

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
 Data File : BF134060.D
 Acq On : 30 Jun 2023 19:29
 Operator : CG\JU
 Sample : 03428-02MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MSD

Quant Time: Jul 01 04:31:15 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF062623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 30 18:35:29 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh
 Patel
 07/03/2023

Supervised By :Mohammad
 ahmed
 07/07/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	98424	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	376888	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	196034	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	382675	20.000	ng	0.00
76) Chrysene-d12	14.039	240	175914	20.000	ng	-0.01
86) Perylene-d12	15.545	264	209534	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	785014	133.417	ng	0.02
7) Phenol-d6	6.493	99	896766	123.931	ng	0.00
23) Nitrobenzene-d5	7.416	82	710142	101.570	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	362902	147.649	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1306243	96.878	ng	0.00
79) Terphenyl-d14	12.980	244	1411722	129.157	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	2.834	88	99785	41.130	ng	# 80
3) Pyridine	3.569	79	227927	36.068	ng	97
4) n-Nitrosodimethylamine	3.505	42	181974	50.419	ng	99
6) Aniline	6.516	93	219332m	24.909	ng	
8) 2-Chlorophenol	6.634	128	308123	51.587	ng	100
9) Benzaldehyde	6.404	77	120035	27.828	ng	96
10) Phenol	6.504	94	325578	42.793	ng	97
11) bis(2-Chloroethyl)ether	6.587	93	274960	49.089	ng	99
12) 1,3-Dichlorobenzene	6.787	146	309925	48.671	ng	98
13) 1,4-Dichlorobenzene	6.863	146	320872	49.889	ng	99
14) 1,2-Dichlorobenzene	7.016	146	301182	50.000	ng	99
15) Benzyl Alcohol	6.993	79	295837	53.033	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.122	45	481747	48.615	ng	94
17) 2-Methylphenol	7.104	107	248020	46.371	ng	96
18) Hexachloroethane	7.357	117	119999	50.318	ng	96
19) n-Nitroso-di-n-propyla...	7.263	70	229013	49.906	ng	99
20) 3+4-Methylphenols	7.257	107	314899	48.530	ng	# 82
22) Acetophenone	7.257	105	435418	50.799	ng	96
24) Nitrobenzene	7.434	77	347465	49.179	ng	98
25) Isophorone	7.669	82	628555	49.466	ng	97
26) 2-Nitrophenol	7.745	139	173370	51.152	ng	93
27) 2,4-Dimethylphenol	7.787	122	280892	52.356	ng	94
28) bis(2-Chloroethoxy)met...	7.875	93	371107	50.438	ng	99
29) 2,4-Dichlorophenol	7.992	162	274386	51.576	ng	98
30) 1,2,4-Trichlorobenzene	8.069	180	274963	50.090	ng	99
31) Naphthalene	8.151	128	875758	48.106	ng	99
32) Benzoic acid	7.945	122	176181	43.824	ng	97
33) 4-Chloroaniline	8.198	127	146962	18.872	ng	96
34) Hexachlorobutadiene	8.263	225	172270	49.749	ng	99
35) Caprolactam	8.581	113	79317m	45.280	ng	
36) 4-Chloro-3-methylphenol	8.692	107	308388	51.600	ng	98
37) 2-Methylnaphthalene	8.845	142	606800	47.135	ng	100
38) 1-Methylnaphthalene	8.939	142	563909	47.118	ng	100
40) 1,2,4,5-Tetrachloroben...	9.010	216	288686	49.706	ng	98
41) Hexachlorocyclopentadiene	8.992	237	301867	109.557	ng	97
43) 2,4,6-Trichlorophenol	9.122	196	202774	51.288	ng	99

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Manual Integrations
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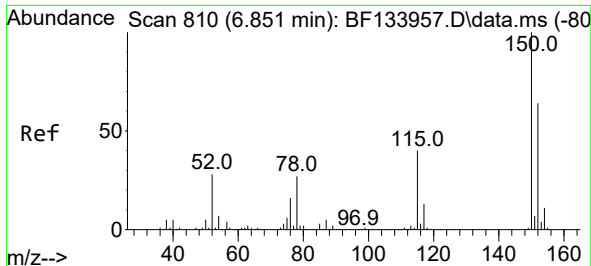
Reviewed By :Yogesh
 Patel
 07/03/2023

Supervised By :mohammad
 ahmed
 07/07/2023

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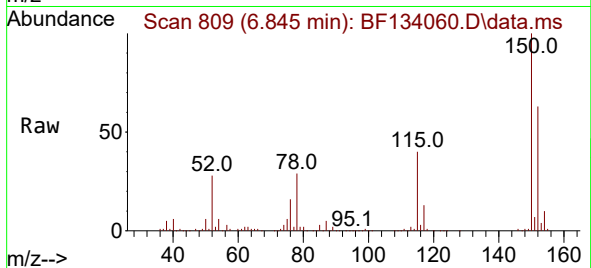
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	219766	47.256	ng	95
46) 1,1'-Biphenyl	9.310	154	765781	48.698	ng	98
47) 2-Chloronaphthalene	9.334	162	529391	46.012	ng	97
48) 2-Nitroaniline	9.434	65	211813	50.514	ng	98
49) Acenaphthylene	9.751	152	958536	48.770	ng	99
50) Dimethylphthalate	9.616	163	730980	51.368	ng	99
51) 2,6-Dinitrotoluene	9.675	165	159984	52.198	ng	# 85
52) Acenaphthene	9.922	154	564840	49.528	ng	98
53) 3-Nitroaniline	9.845	138	110823	30.140	ng	97
54) 2,4-Dinitrophenol	9.957	184	157371	88.478	ng	90
55) Dibenzofuran	10.098	168	865138	48.539	ng	99
56) 4-Nitrophenol	10.016	139	224472	87.277	ng	91
57) 2,4-Dinitrotoluene	10.086	165	210172	51.924	ng	92
58) Fluorene	10.439	166	690288	49.781	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.216	232	189033	51.531	ng	98
60) Diethylphthalate	10.316	149	763537	51.501	ng	99
61) 4-Chlorophenyl-phenyle...	10.428	204	336321	50.329	ng	95
62) 4-Nitroaniline	10.469	138	169331	45.696	ng	94
63) Azobenzene	10.592	77	706361	50.369	ng	97
65) 4,6-Dinitro-2-methylph...	10.498	198	108255	51.888	ng	94
66) n-Nitrosodiphenylamine	10.557	169	615949	50.378	ng	99
67) 4-Bromophenyl-phenylether	10.922	248	213289	52.439	ng	92
68) Hexachlorobenzene	10.986	284	237276	54.943	ng	95
69) Atrazine	11.086	200	201537	59.592	ng	97
70) Pentachlorophenol	11.186	266	224338	86.880	ng	99
71) Phenanthrene	11.410	178	970955	50.401	ng	100
72) Anthracene	11.463	178	1010618	50.437	ng	99
73) Carbazole	11.616	167	900005	49.073	ng	99
74) Di-n-butylphthalate	11.945	149	1197178	54.891	ng	99
75) Fluoranthene	12.604	202	979825	47.047	ng	98
77) Benzidine	12.727	184	198435	47.407	ng	99
78) Pyrene	12.833	202	949154	57.977	ng	99
80) Butylbenzylphthalate	13.457	149	375181	61.105	ng	95
81) Benzo(a)anthracene	14.033	228	621482	50.941	ng	98
82) 3,3'-Dichlorobenzidine	13.992	252	163682	42.348	ng	# 99
83) Chrysene	14.069	228	586745	49.655	ng	100
84) Bis(2-ethylhexyl)phtha...	14.016	149	457387	64.830	ng	98
85) Di-n-octyl phthalate	14.639	149	698266	67.357	ng	99
87) Indeno(1,2,3-cd)pyrene	17.098	276	836783	57.552	ng	99
88) Benzo(b)fluoranthene	15.104	252	635880	51.610	ng	99
89) Benzo(k)fluoranthene	15.133	252	628281	50.084	ng	98
90) Benzo(a)pyrene	15.480	252	583661	48.989	ng	99
91) Dibenzo(a,h)anthracene	17.115	278	686496	57.806	ng	98
92) Benzo(g,h,i)perylene	17.574	276	666143	54.393	ng	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.845 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

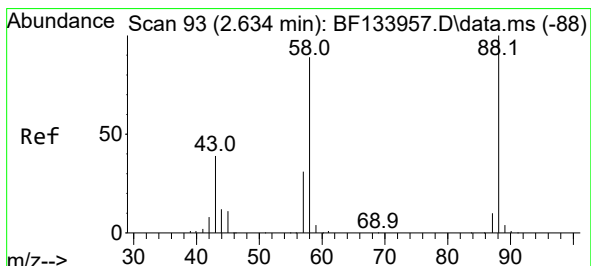
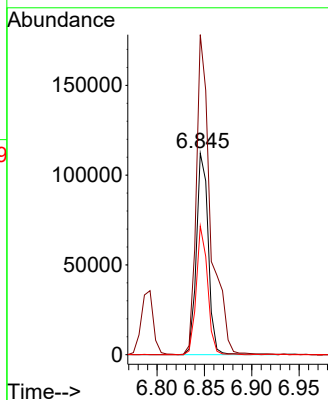
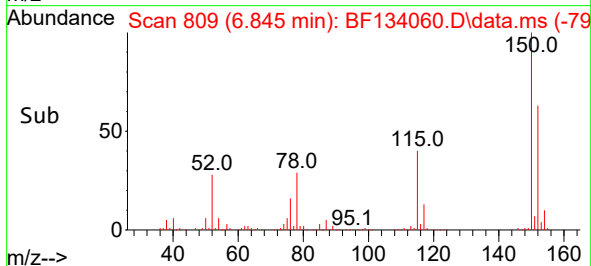


Tgt Ion:152 Resp: 98424
Ion Ratio Lower Upper
152 100
150 158.8 124.5 186.7
115 63.9 50.2 75.2

Manual Integrations
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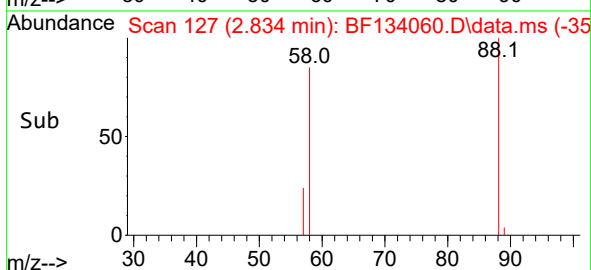
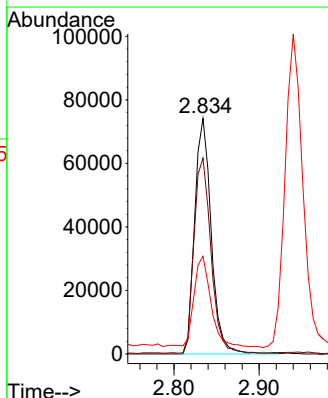
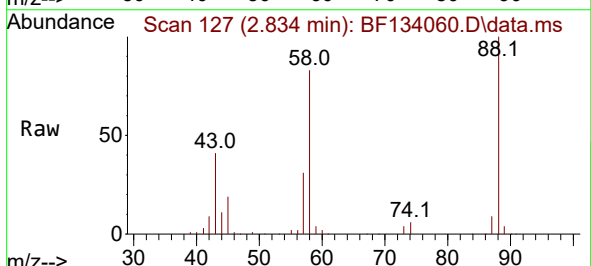
Reviewed By :Yogesh
Patel
07/03/2023

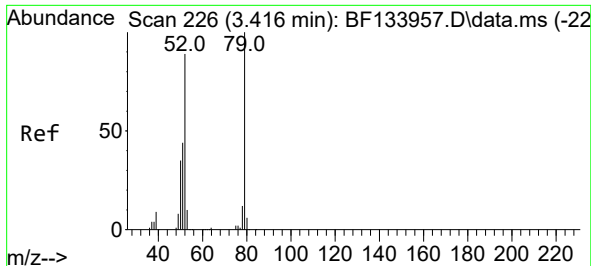
Supervised By :mohammad
ahmed
07/07/2023



#2
1,4-Dioxane
Concen: 41.130 ng
RT: 2.834 min Scan# 127
Delta R.T. 0.188 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion: 88 Resp: 99785
Ion Ratio Lower Upper
88 100
58 85.1 68.8 103.2
43 0.0 30.7 46.1#





#3

Pyridine

Concen: 36.068 ng

RT: 3.569 min Scan# 21

Delta R.T. 0.135 min

Lab File: BF134060.D

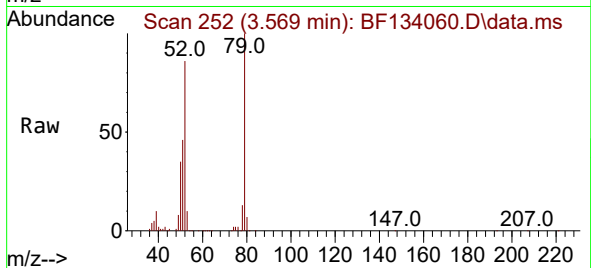
Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD



Tgt Ion:	79	Resp:	22792
Ion Ratio	100	Lower	Upper
79	100		
52	85.5	71.1	106.7
51	46.0	35.2	52.8

Manual Integrations
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Reviewed By :Yogesh

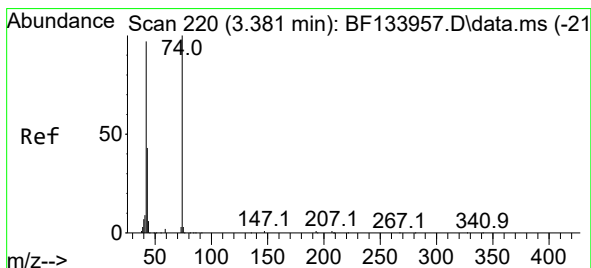
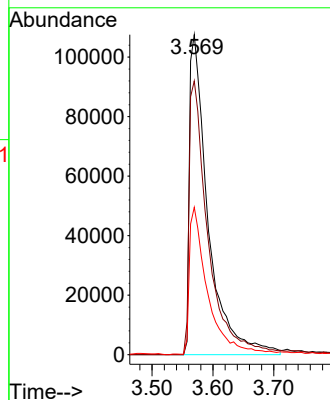
Patel

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Supervised By :mohammad

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07/07/2023



#4

n-Nitrosodimethylamine

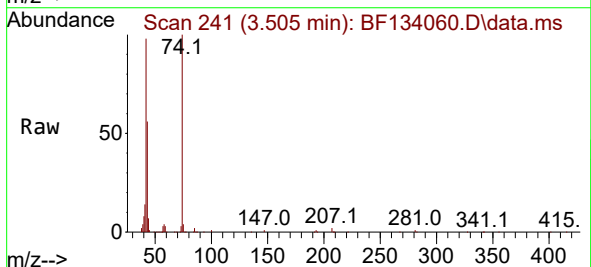
Concen: 50.419 ng

RT: 3.505 min Scan# 241

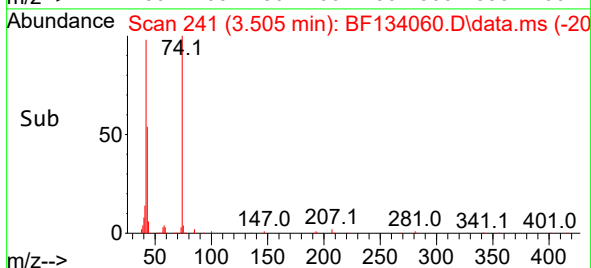
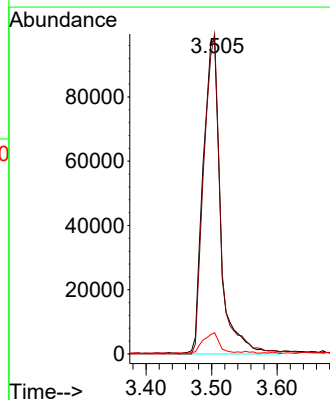
Delta R.T. 0.100 min

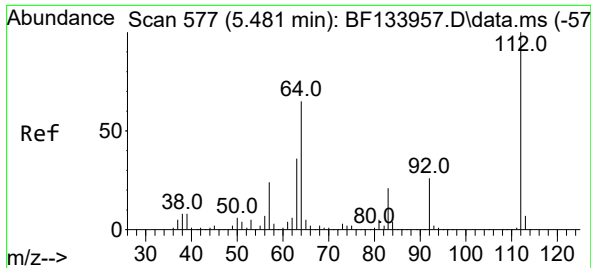
Lab File: BF134060.D

Acq: 30 Jun 2023 19:29



Tgt Ion:	42	Resp:	181974
Ion Ratio	100	Lower	Upper
42	100		
74	102.0	82.4	123.6
44	6.8	4.9	7.3





#5
2-Fluorophenol
Concen: 133.417 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

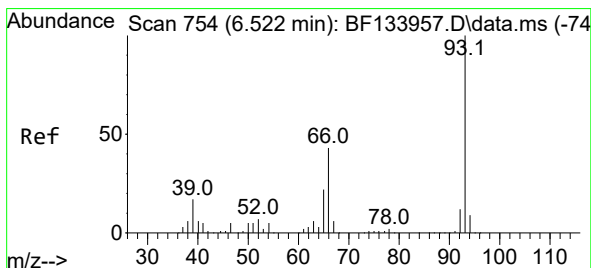
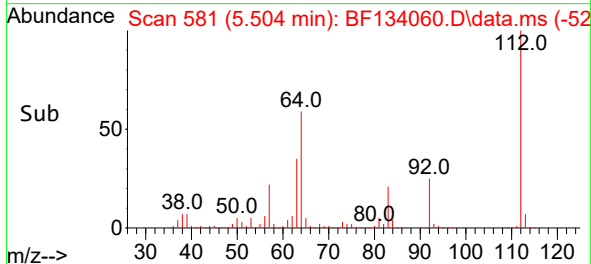
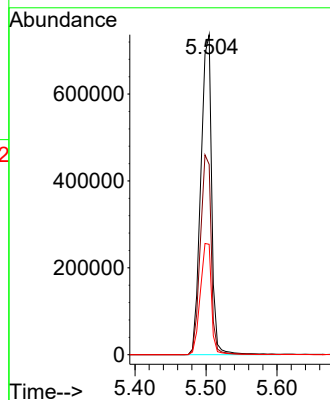
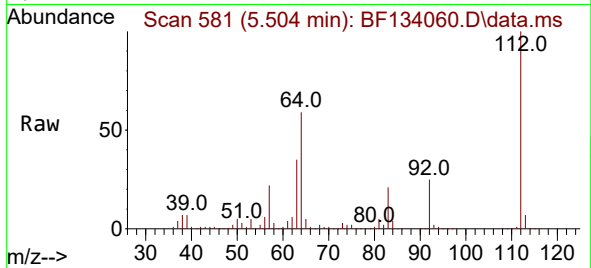
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

Tgt Ion:112 Resp: 785014
Ion Ratio Lower Upper
112 100
64 59.5 52.1 78.1
63 34.5 28.6 42.8

Manual Integrations
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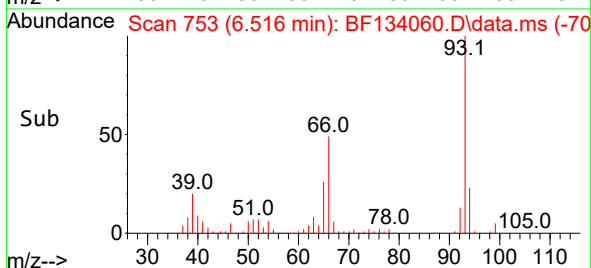
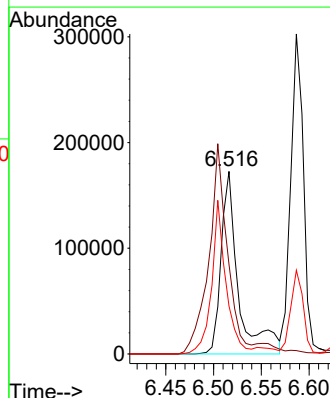
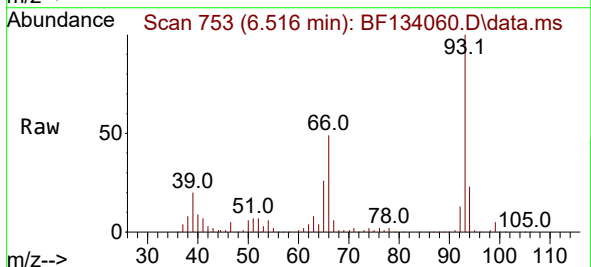
Reviewed By :Yogesh
Patel
07/03/2023

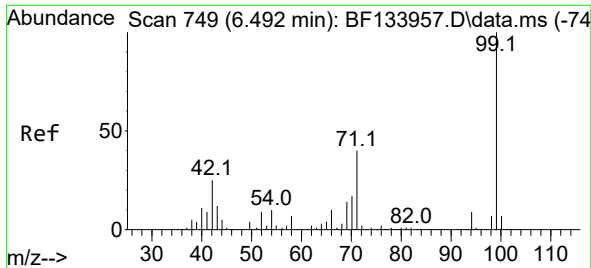
Supervised By :mohammad
ahmed
07/07/2023



#6
Aniline
Concen: 24.909 ng m
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

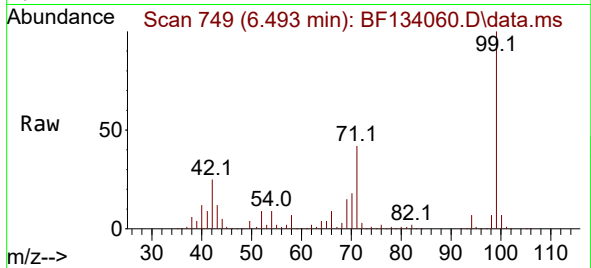
Tgt Ion: 93 Resp: 219332
Ion Ratio Lower Upper
93 100
66 49.0 34.5 51.7
65 26.2 17.8 26.6





#7
Phenol-d6
Concen: 123.931 ng
RT: 6.493 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
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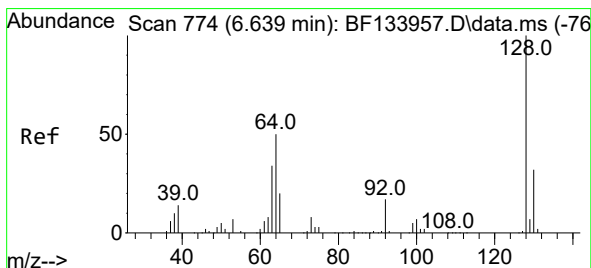
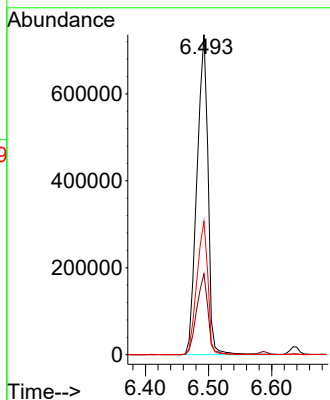
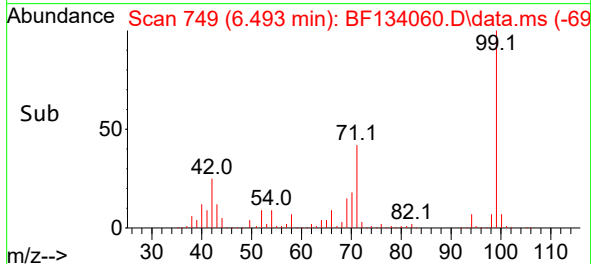


Tgt Ion: 99 Resp: 896760
Ion Ratio Lower Upper
99 100
42 25.3 19.8 29.6
71 41.6 31.9 47.9

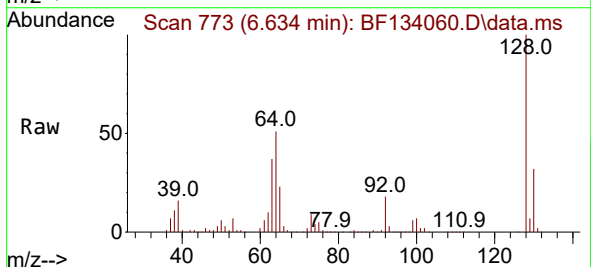
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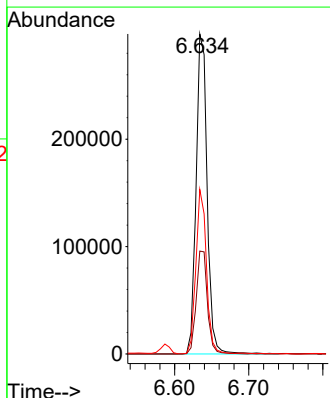
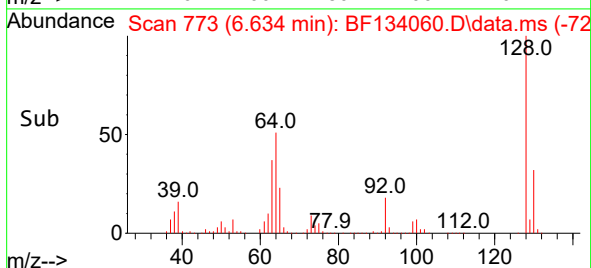
Supervised By :mohammad
ahmed
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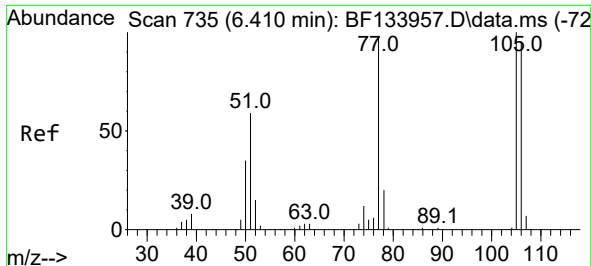


#8
2-Chlorophenol
Concen: 51.587 ng
RT: 6.634 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29



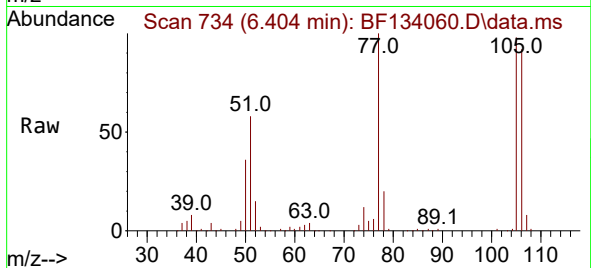
Tgt Ion:128 Resp: 308123
Ion Ratio Lower Upper
128 100
130 32.2 11.7 51.7
64 51.4 31.3 71.3





#9
Benzaldehyde
Concen: 27.828 ng
RT: 6.404 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

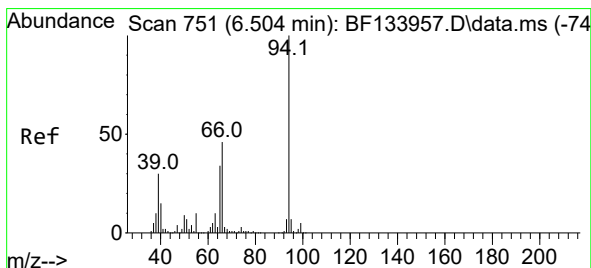
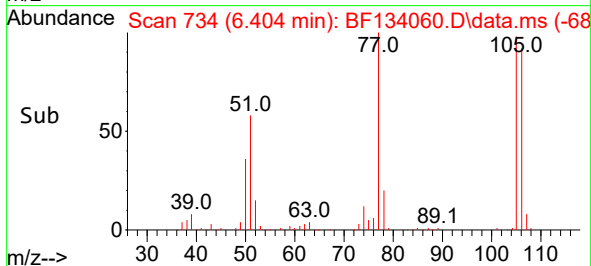
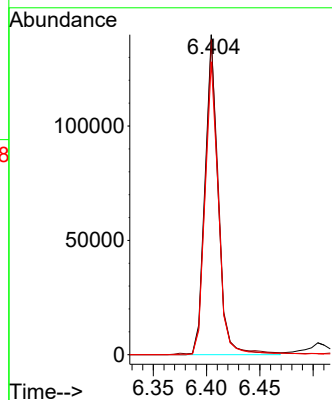


Tgt Ion: 77 Resp: 120035
Ion Ratio Lower Upper
77 100
105 98.4 82.0 122.0
106 91.5 76.9 116.9

Manual Integrations
APPROVED

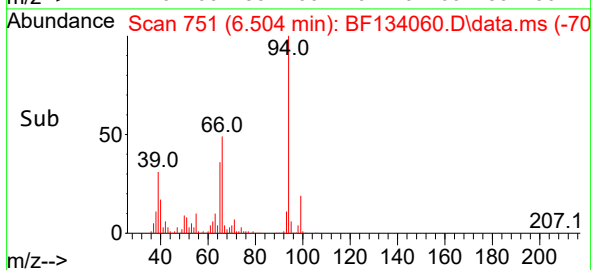
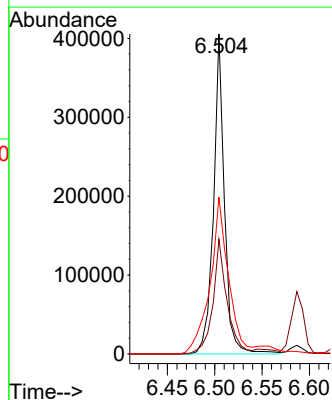
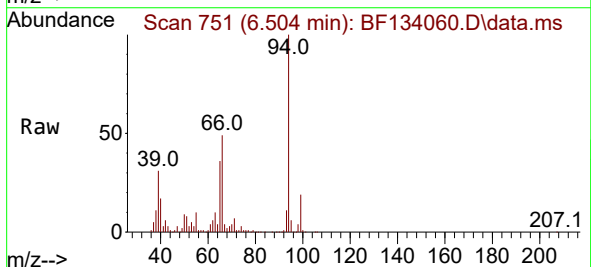
Reviewed By :Yogesh
Patel
07/03/2023

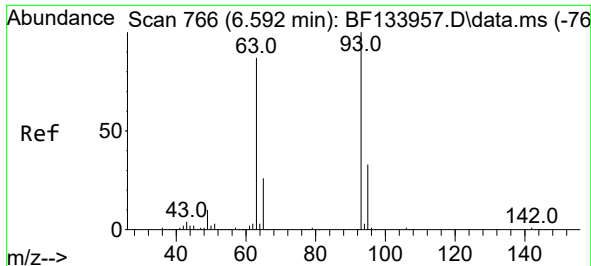
Supervised By :mohammad
ahmed
07/07/2023



#10
Phenol
Concen: 42.793 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion: 94 Resp: 325578
Ion Ratio Lower Upper
94 100
65 35.8 14.2 54.2
66 49.0 26.4 66.4





#11

bis(2-Chloroethyl)ether

Concen: 49.089 ng

RT: 6.587 min Scan# 70

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

Tgt Ion: 93 Resp: 274960

Ion Ratio Lower Upper

93 100

63 86.2 66.5 106.5

95 32.0 12.9 52.9

Manual Integrations

APPROVED

Reviewed By :Yogesh

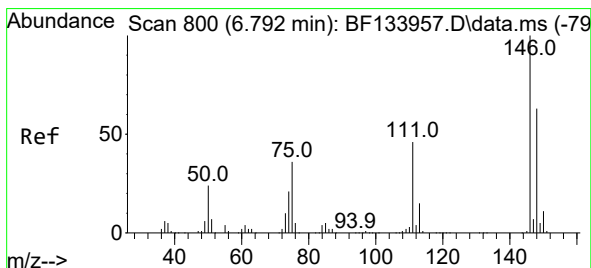
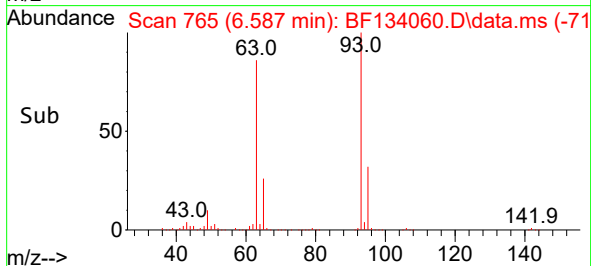
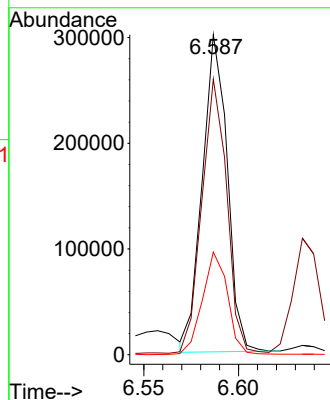
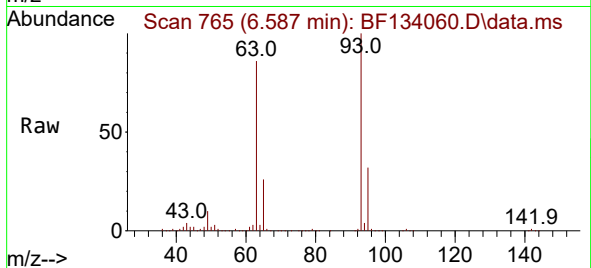
Patel

07/03/2023

Supervised By :mohammad

ahmed

07/07/2023



#12

1,3-Dichlorobenzene

Concen: 48.671 ng

RT: 6.787 min Scan# 799

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

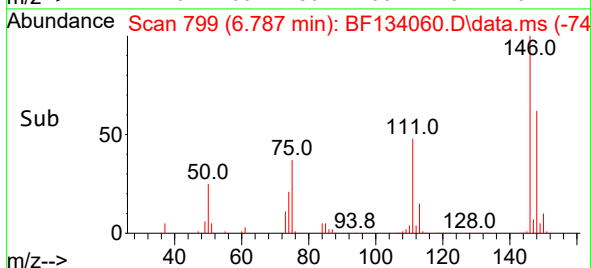
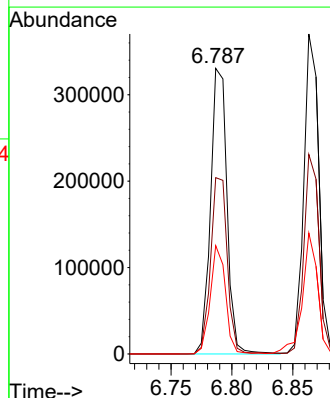
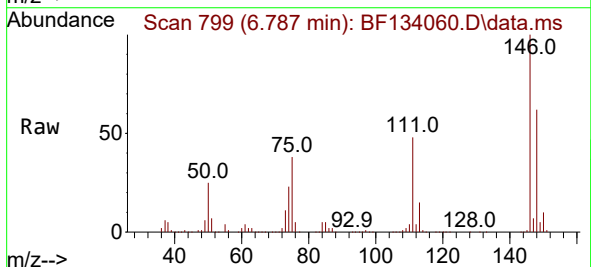
Tgt Ion:146 Resp: 309925

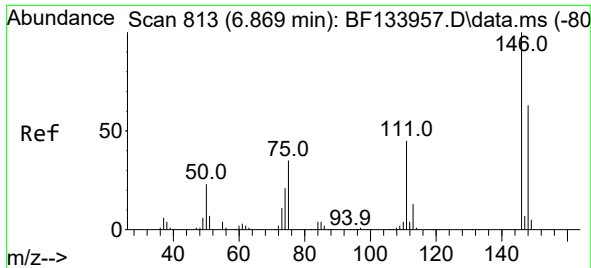
Ion Ratio Lower Upper

146 100

148 61.7 50.5 75.7

75 37.9 29.0 43.6





#13
1,4-Dichlorobenzene
Concen: 49.889 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

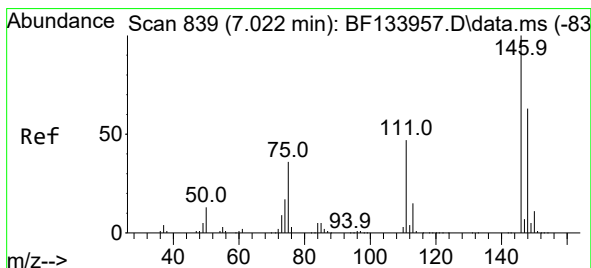
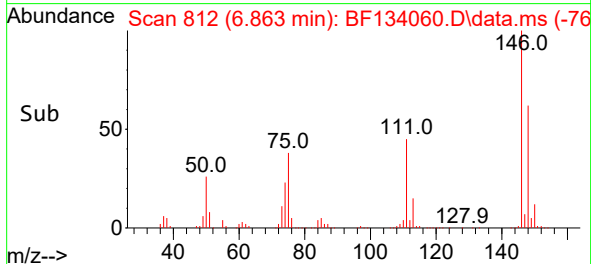
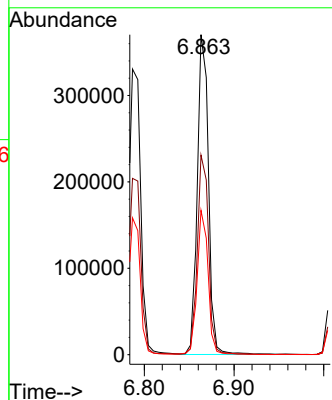
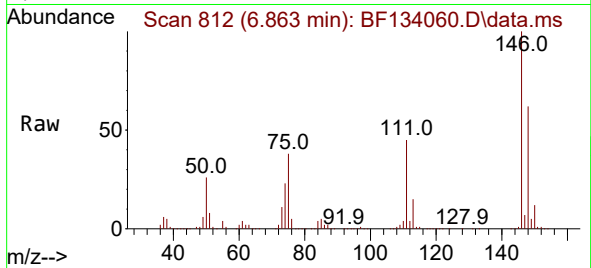
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

Tgt Ion:146 Resp: 320872
Ion Ratio Lower Upper
146 100
148 62.4 50.2 75.2
111 45.1 35.8 53.6

Manual Integrations
APPROVED

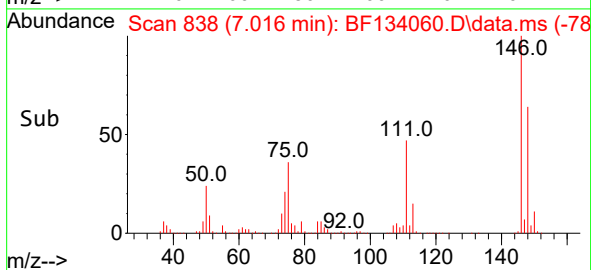
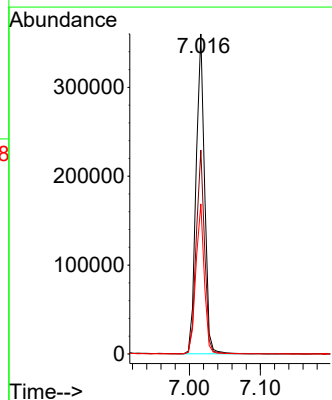
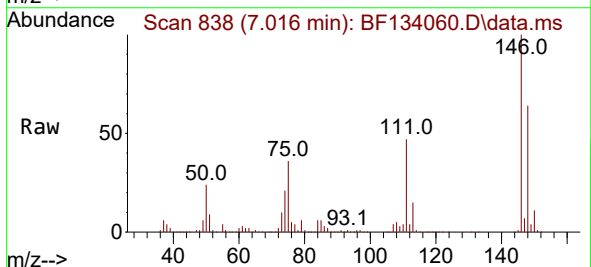
Reviewed By :Yogesh
Patel
07/03/2023

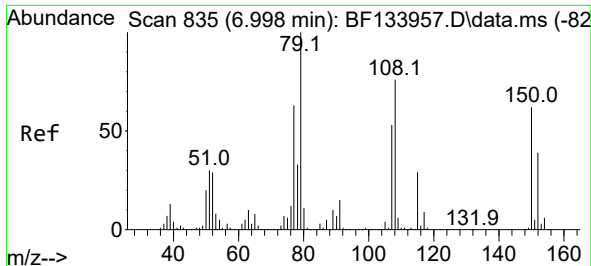
Supervised By :mohammad
ahmed
07/07/2023



#14
1,2-Dichlorobenzene
Concen: 50.000 ng
RT: 7.016 min Scan# 838
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

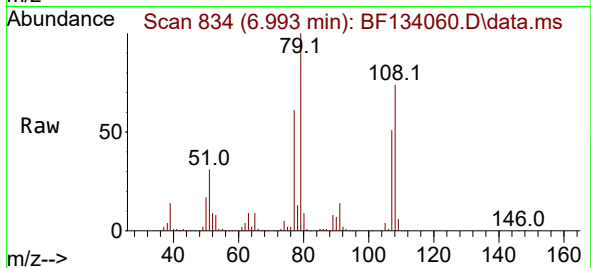
Tgt Ion:146 Resp: 301182
Ion Ratio Lower Upper
146 100
148 63.7 50.6 76.0
111 46.9 38.0 57.0





#15
Benzyl Alcohol
Concen: 53.033 ng
RT: 6.993 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

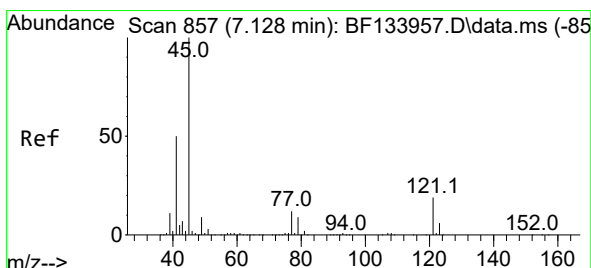
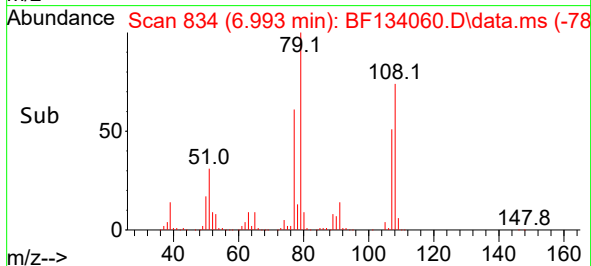
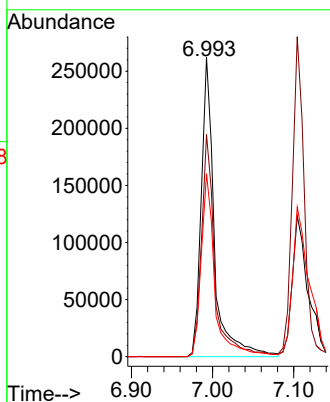


Tgt Ion: 79 Resp: 29583
Ion Ratio Lower Upper
79 100
108 74.2 60.7 91.1
77 61.1 50.6 75.8

Manual Integrations
APPROVED

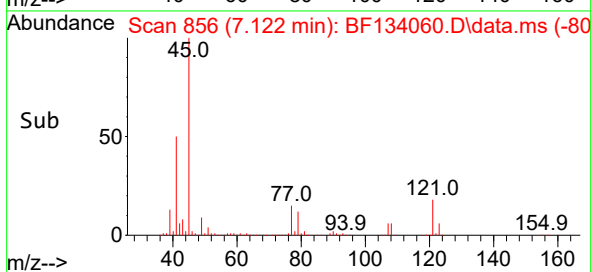
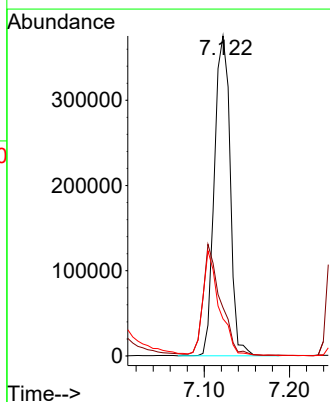
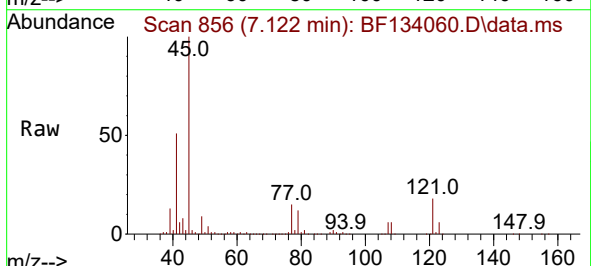
Reviewed By :Yogesh
Patel
07/03/2023

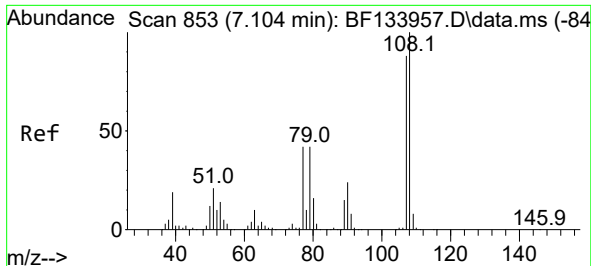
Supervised By :mohammad
ahmed
07/07/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 48.615 ng
RT: 7.122 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

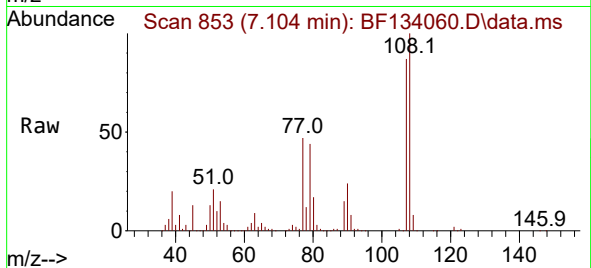
Tgt Ion: 45 Resp: 481747
Ion Ratio Lower Upper
45 100
77 15.1 0.0 32.9
79 11.6 0.0 29.5





#17
2-Methylphenol
Concen: 46.371 ng
RT: 7.104 min Scan# 853
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

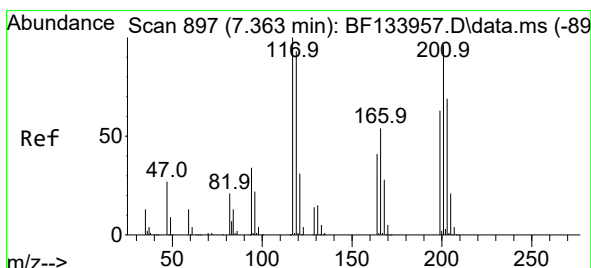
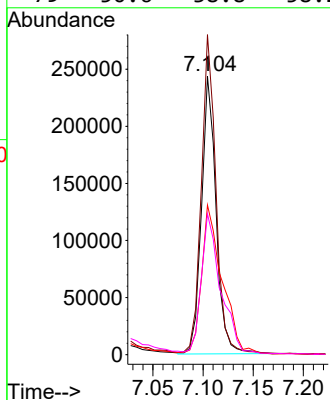
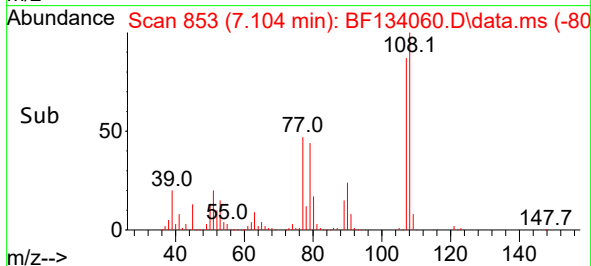


Tgt Ion:107 Resp: 248020
Ion Ratio Lower Upper
107 100
108 115.0 90.6 136.0
77 53.8 38.3 57.5
79 50.6 38.8 58.2

Manual Integrations
APPROVED

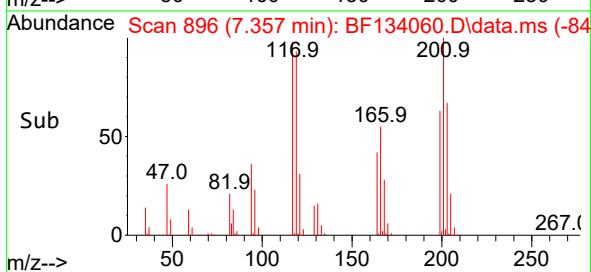
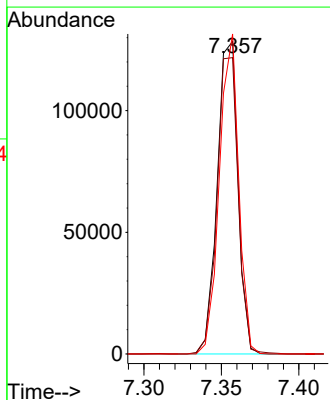
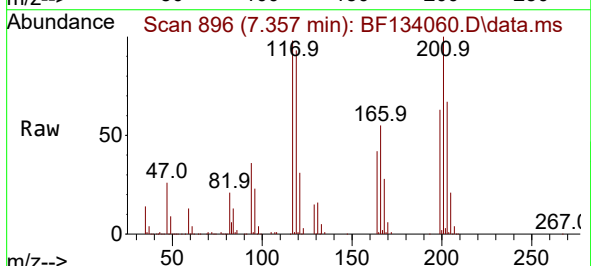
Reviewed By :Yogesh
Patel
07/03/2023

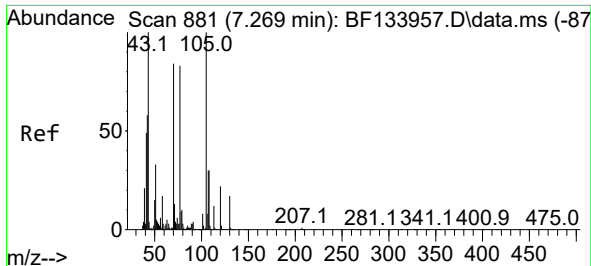
Supervised By :mohammad
ahmed
07/07/2023



#18
Hexachloroethane
Concen: 50.318 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

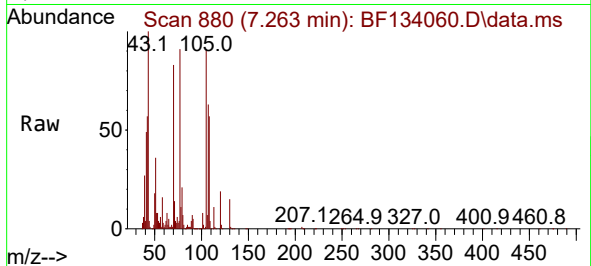
Tgt Ion:117 Resp: 119999
Ion Ratio Lower Upper
117 100
119 94.8 74.2 111.4
201 102.4 77.2 115.8





#19
n-Nitroso-di-n-propylamine
Concen: 49.906 ng
RT: 7.263 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

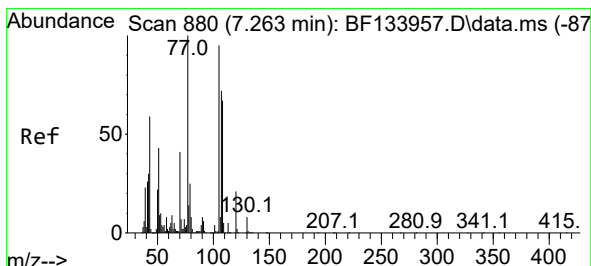
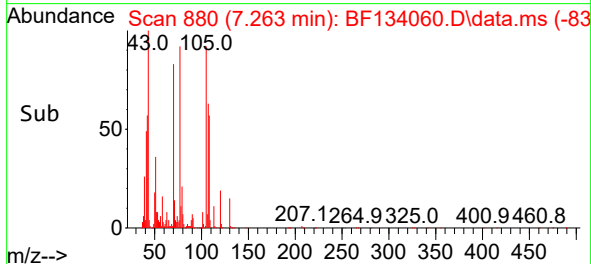
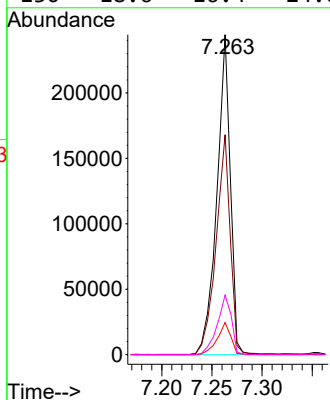


Tgt Ion: 70 Resp: 22901
Ion Ratio Lower Upper
70 100
42 68.8 54.7 82.1
101 10.0 7.7 11.5
130 18.6 16.4 24.6

Manual Integrations
APPROVED

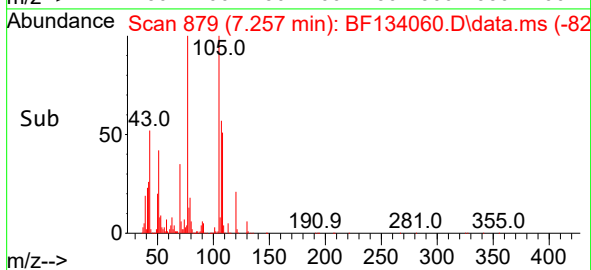
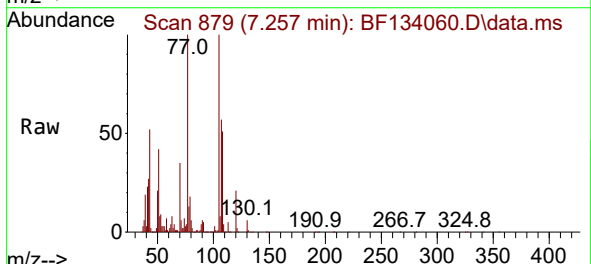
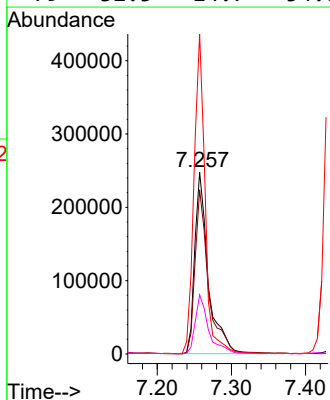
Reviewed By :Yogesh
Patel
07/03/2023

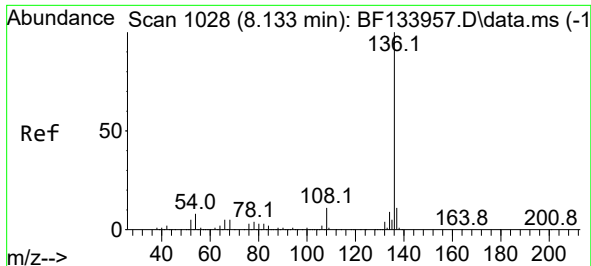
Supervised By :mohammad
ahmed
07/07/2023



#20
3+4-Methylphenols
Concen: 48.530 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

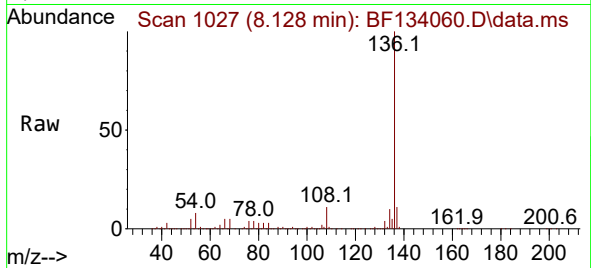
Tgt Ion:107 Resp: 314899
Ion Ratio Lower Upper
107 100
108 90.4 73.2 113.2
77 176.1 118.3 158.3#
79 32.5 14.7 54.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

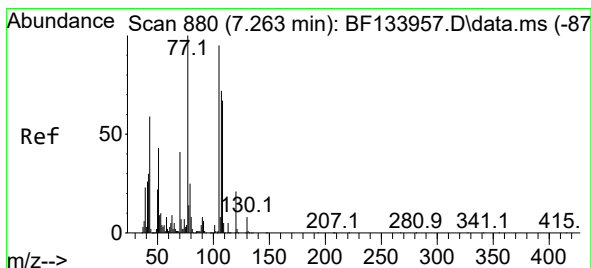
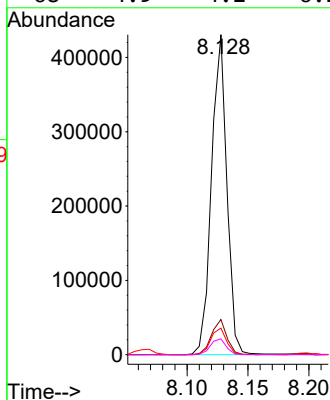
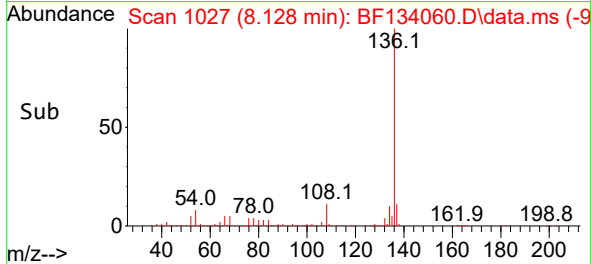


Tgt Ion:136 Resp: 376888
Ion Ratio Lower Upper
136 100
137 11.0 8.6 12.8
54 8.3 6.5 9.7
68 4.9 4.2 6.2

Manual Integrations
APPROVED

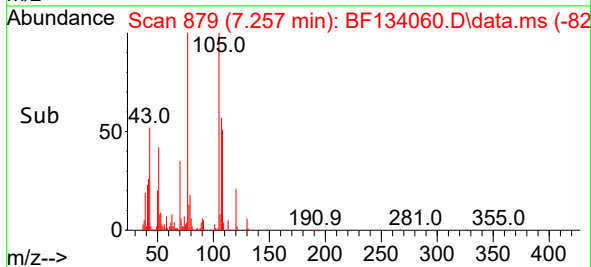
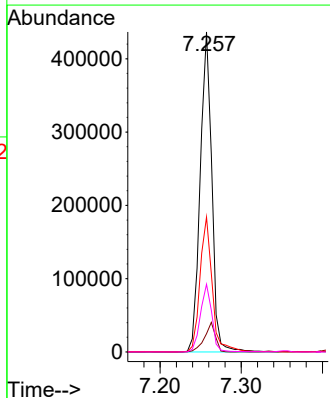
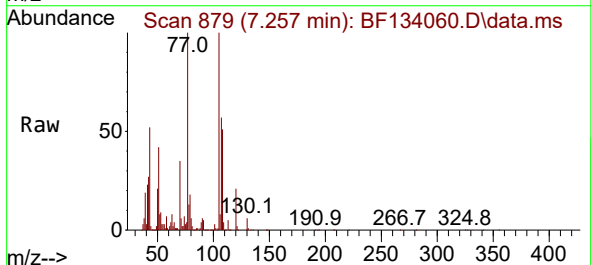
Reviewed By :Yogesh
Patel
07/03/2023

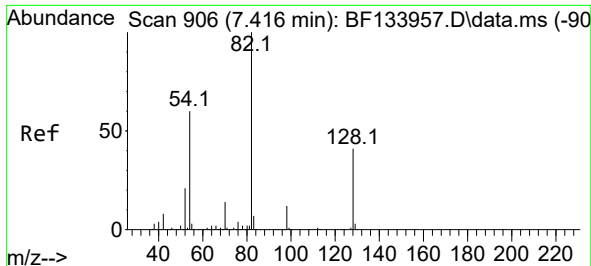
Supervised By :mohammad
ahmed
07/07/2023



#22
Acetophenone
Concen: 50.799 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:105 Resp: 435418
Ion Ratio Lower Upper
105 100
71 5.7 5.5 8.3
51 42.1 36.5 54.7
120 21.2 17.3 25.9





#23

Nitrobenzene-d5

Concen: 101.570 ng

RT: 7.416 min Scan# 906

Delta R.T. -0.006 min

Lab File: BF134060.D

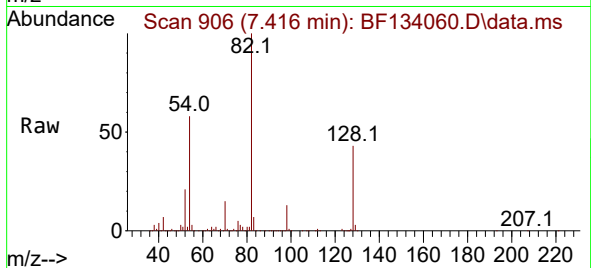
Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD



Tgt Ion: 82 Resp: 71014

Ion	Ratio	Lower	Upper
82	100		
128	42.6	32.5	48.7
54	58.0	48.2	72.2

Manual Integrations
APPROVED

Reviewed By :Yogesh

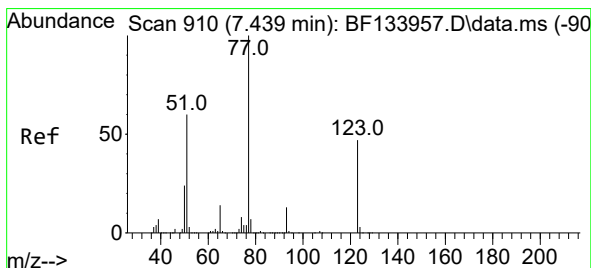
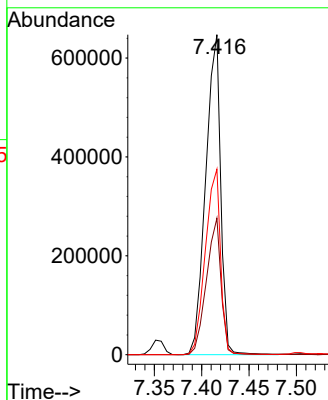
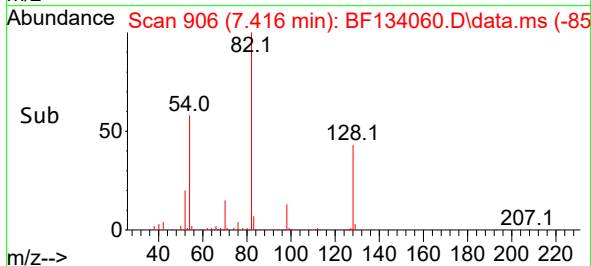
Patel

07/03/2023

Supervised By :mohammad

ahmed

07/07/2023



#24

Nitrobenzene

Concen: 49.179 ng

RT: 7.434 min Scan# 909

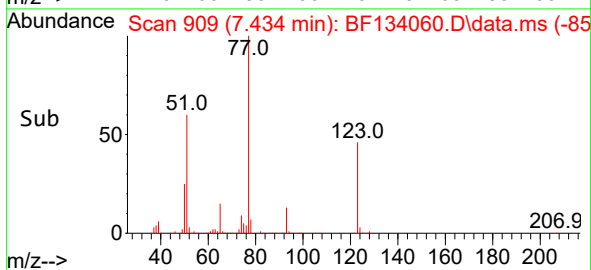
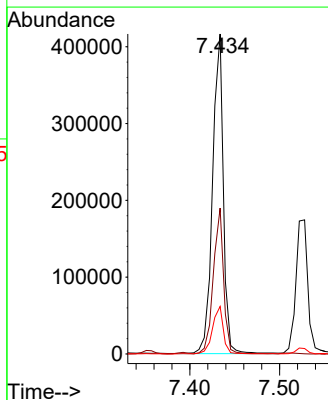
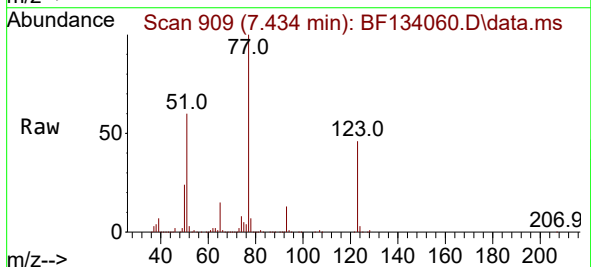
Delta R.T. -0.006 min

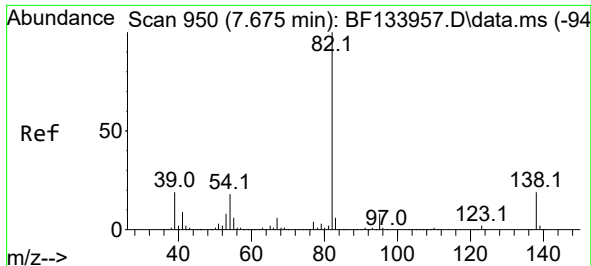
Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Tgt Ion: 77 Resp: 347465

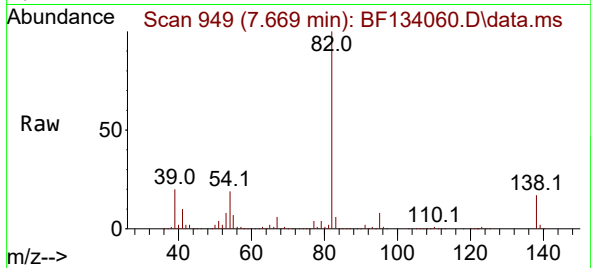
Ion	Ratio	Lower	Upper
77	100		
123	45.6	37.8	56.6
65	14.9	11.3	16.9





#25
Isophorone
Concen: 49.466 ng
RT: 7.669 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

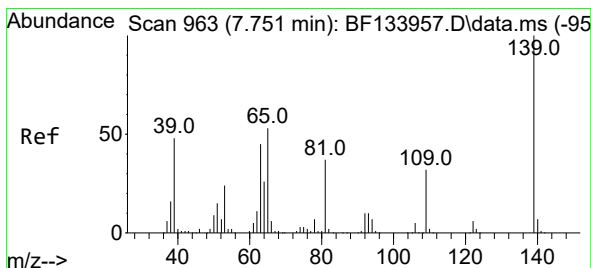
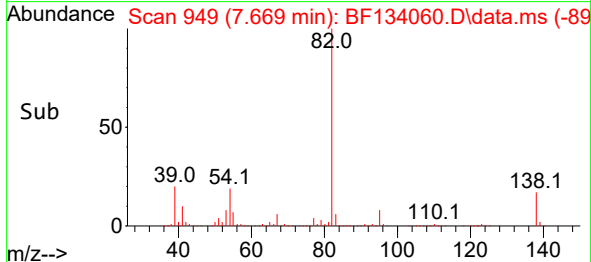
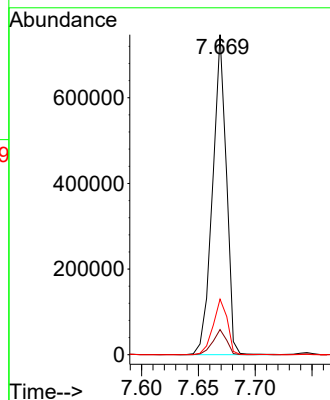


Tgt Ion: 82 Resp: 62855
Ion Ratio Lower Upper
82 100
95 7.9 6.1 9.1
138 17.3 15.2 22.8

Manual Integrations
APPROVED

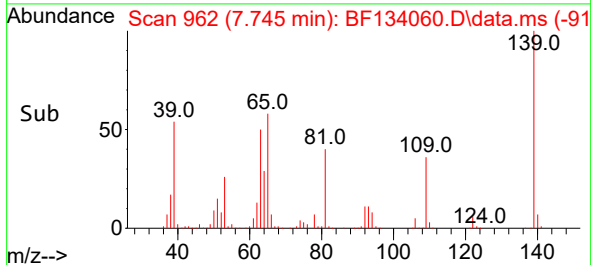
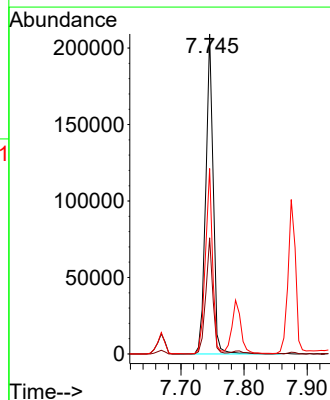
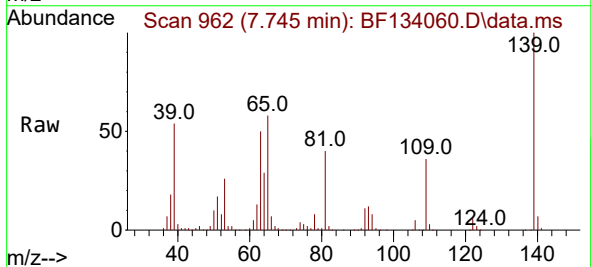
Reviewed By :Yogesh
Patel
07/03/2023

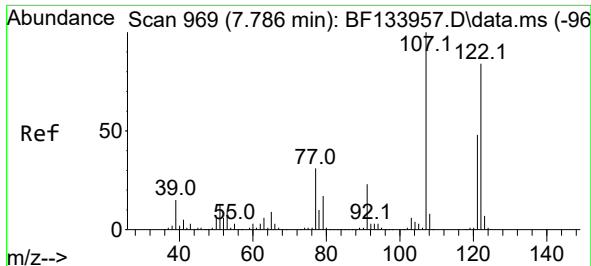
Supervised By :mohammad
ahmed
07/07/2023



#26
2-Nitrophenol
Concen: 51.152 ng
RT: 7.745 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

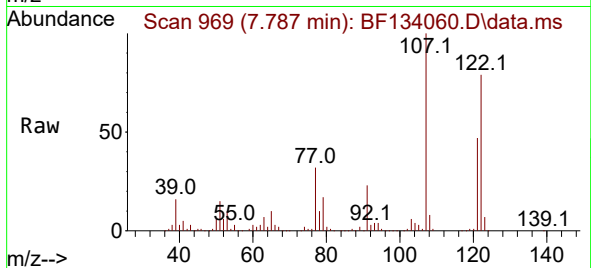
Tgt Ion:139 Resp: 173370
Ion Ratio Lower Upper
139 100
109 36.3 25.8 38.8
65 57.9 42.4 63.6





#27
2,4-Dimethylphenol
Concen: 52.356 ng
RT: 7.787 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

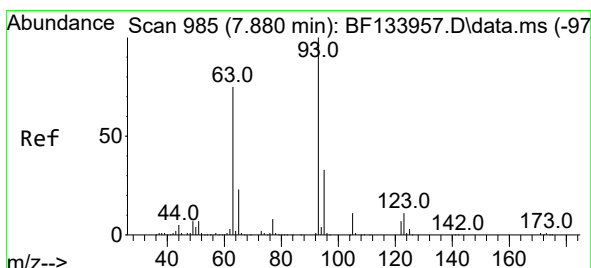
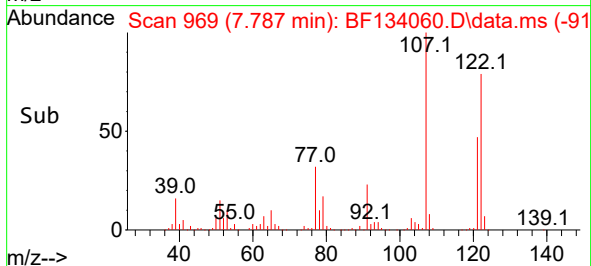
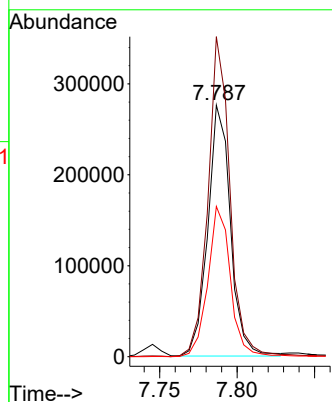


Tgt Ion:122 Resp: 280892
Ion Ratio Lower Upper
122 100
107 127.2 95.5 143.3
121 59.7 45.5 68.3

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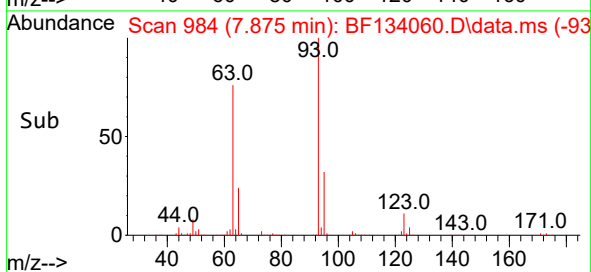
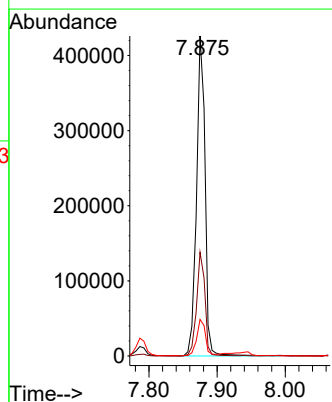
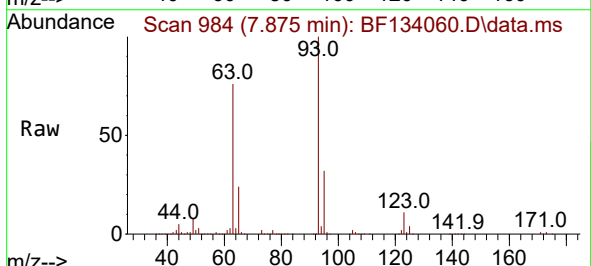
Reviewed By :Yogesh
Patel
07/03/2023

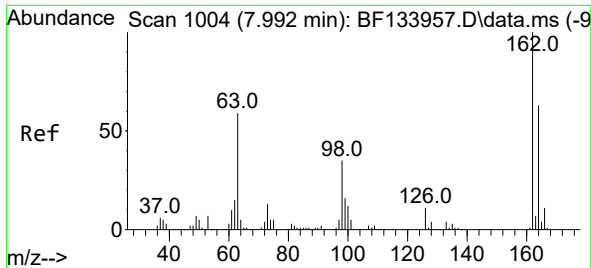
Supervised By :mohammad
ahmed
07/07/2023



#28
bis(2-Chloroethoxy)methane
Concen: 50.438 ng
RT: 7.875 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion: 93 Resp: 371107
Ion Ratio Lower Upper
93 100
95 32.4 26.5 39.7
123 11.4 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 51.576 ng

RT: 7.992 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF134060.D

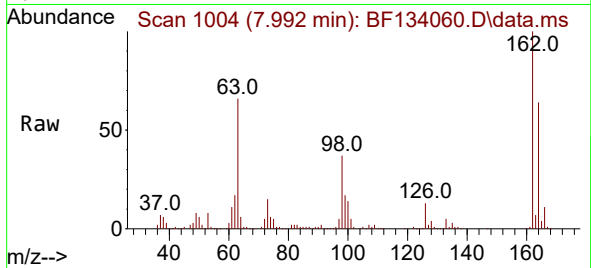
Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD



Tgt Ion:162	Resp:	274380
Ion Ratio	Lower	Upper
162	100	
164	64.1	43.2 83.2
98	37.0	14.9 54.9

Manual Integrations

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Reviewed By :Yogesh

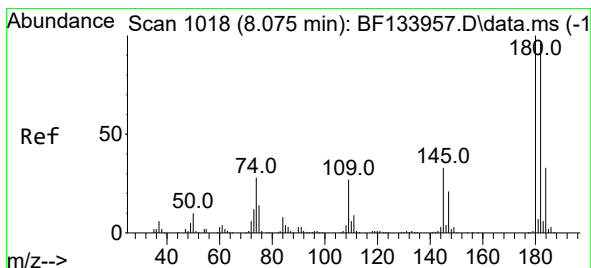
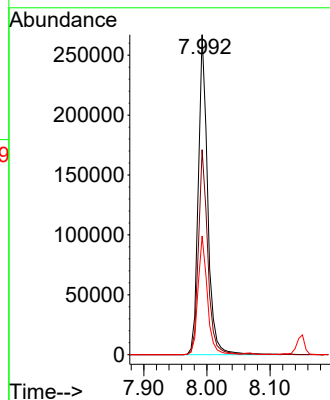
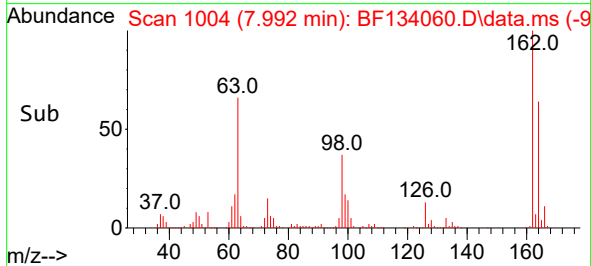
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Supervised By :mohammad

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#30

1,2,4-Trichlorobenzene

Concen: 50.090 ng

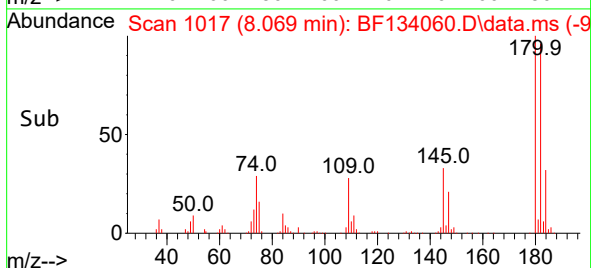
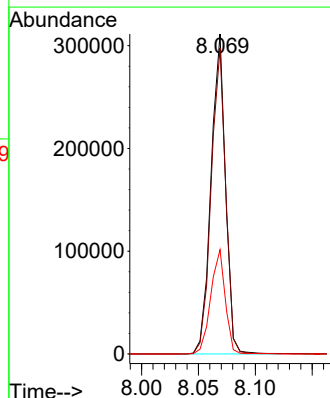
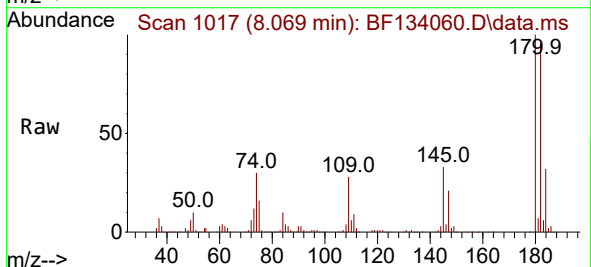
RT: 8.069 min Scan# 1017

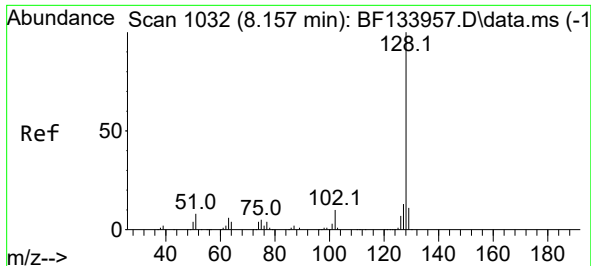
Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

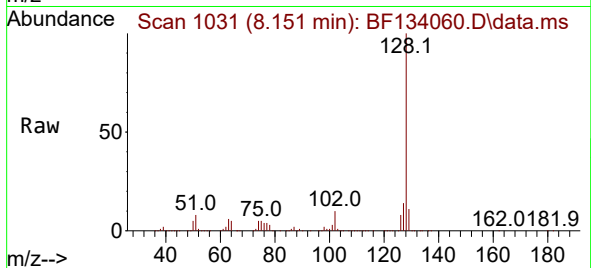
Tgt Ion:180	Resp:	274963
Ion Ratio	Lower	Upper
180	100	
182	95.6	77.1 115.7
145	32.6	26.0 39.0





#31
Naphthalene
Concen: 48.106 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

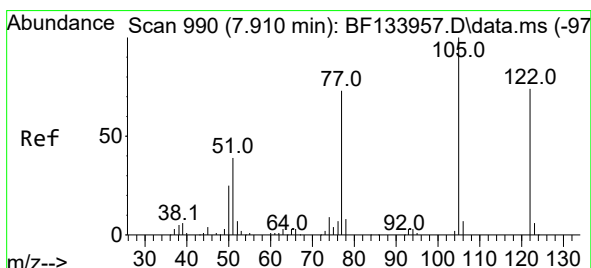
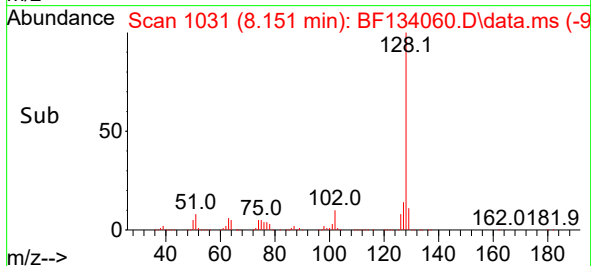
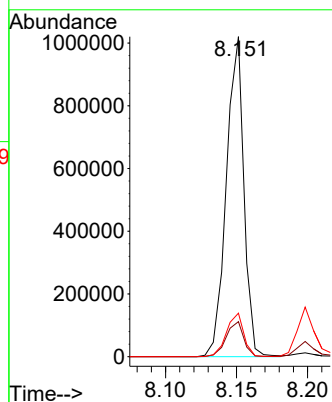


Tgt Ion:128 Resp: 875758
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 13.6 10.6 15.8

Manual Integrations
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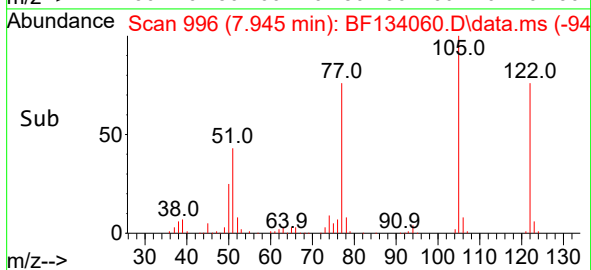
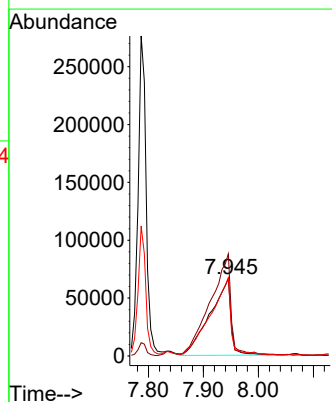
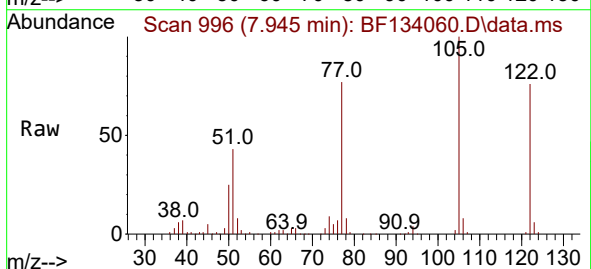
Reviewed By :Yogesh
Patel
07/03/2023

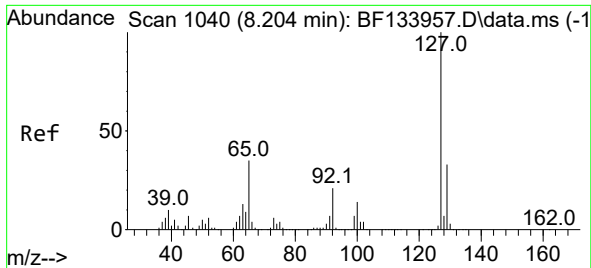
Supervised By :mohammad
ahmed
07/07/2023



#32
Benzoic acid
Concen: 43.824 ng
RT: 7.945 min Scan# 996
Delta R.T. 0.029 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:122 Resp: 176181
Ion Ratio Lower Upper
122 100
105 132.0 109.7 149.7
77 101.1 76.0 116.0





#33
4-Chloroaniline
Concen: 18.872 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

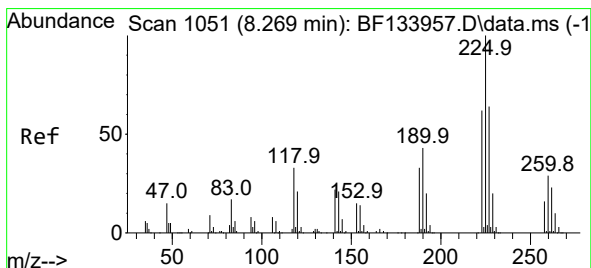
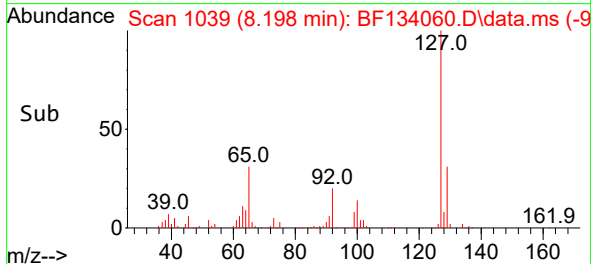
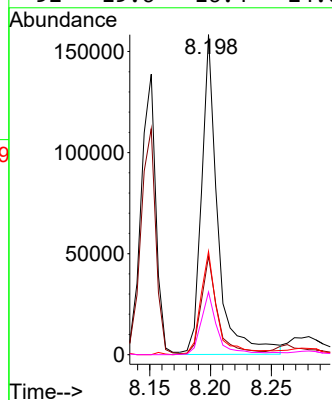
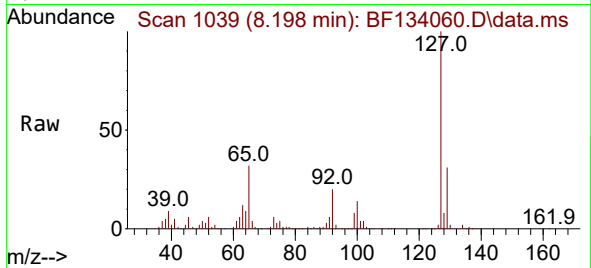
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

Tgt Ion:	127	Resp:	146962
Ion Ratio	Lower	Upper	
127	100		
129	30.7	26.4	39.6
65	32.3	27.8	41.8
92	19.6	16.4	24.6

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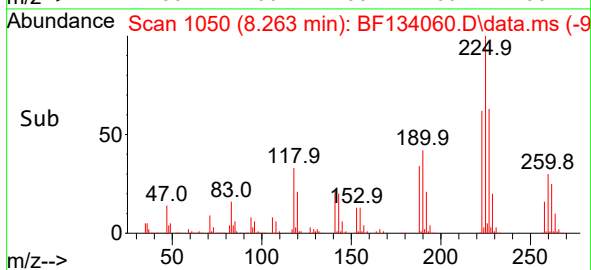
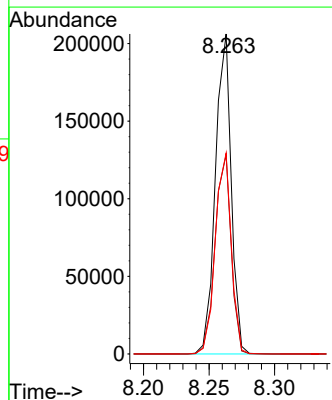
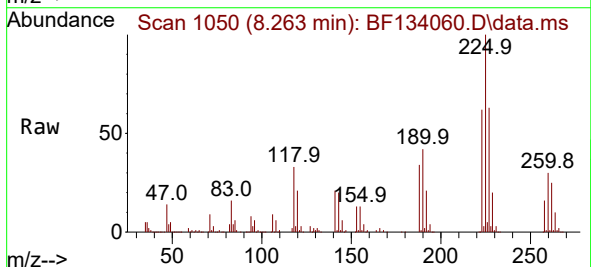
Reviewed By :Yogesh
Patel
07/03/2023

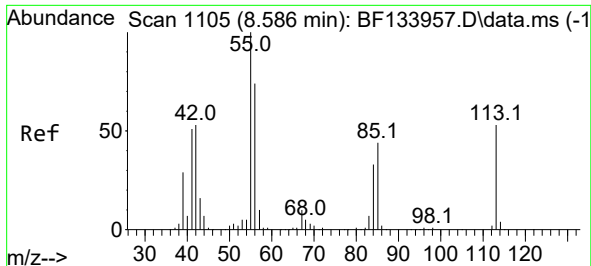
Supervised By :mohammad
ahmed
07/07/2023



#34
Hexachlorobutadiene
Concen: 49.749 ng
RT: 8.263 min Scan# 1050
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

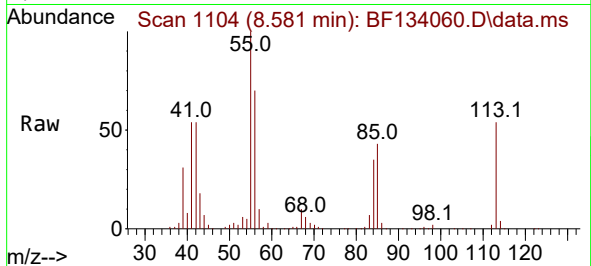
Tgt Ion:	225	Resp:	172270
Ion Ratio	Lower	Upper	
225	100		
223	62.3	49.8	74.8
227	62.7	51.0	76.4





#35
Caprolactam
Concen: 45.280 ng m
RT: 8.581 min Scan# 1104
Delta R.T. -0.012 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

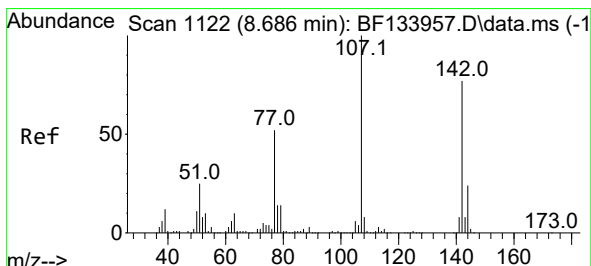
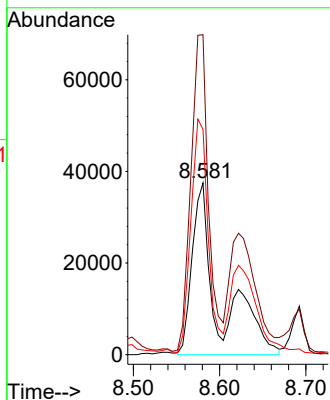
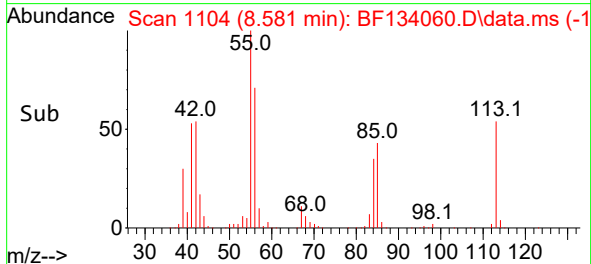


Tgt Ion:113 Resp: 7931
Ion Ratio Lower Upper
113 100
55 186.4 170.2 210.2
56 131.3 121.4 161.4

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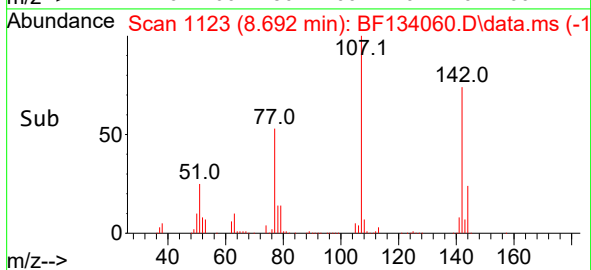
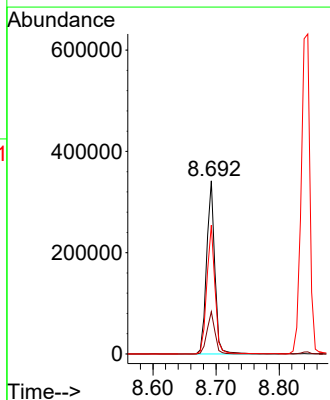
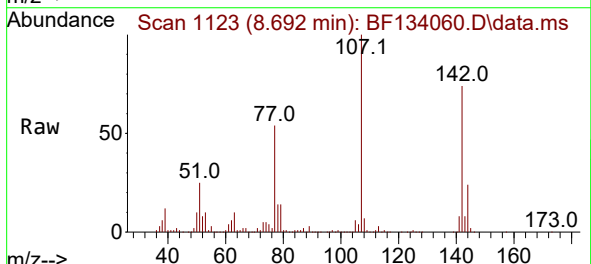
Reviewed By :Yogesh
Patel
07/03/2023

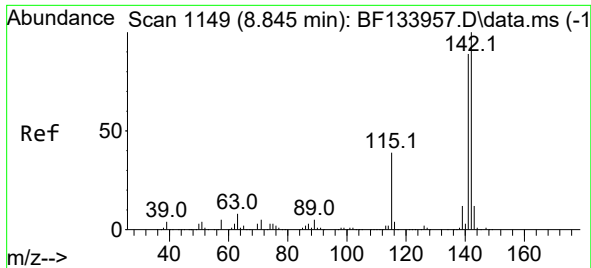
Supervised By :mohammad
ahmed
07/07/2023



#36
4-Chloro-3-methylphenol
Concen: 51.600 ng
RT: 8.692 min Scan# 1123
Delta R.T. 0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

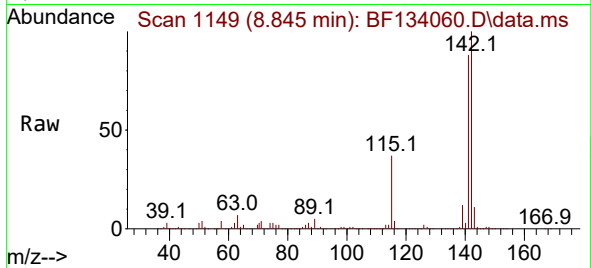
Tgt Ion:107 Resp: 308388
Ion Ratio Lower Upper
107 100
144 24.4 19.6 29.4
142 74.4 61.4 92.2





#37
2-Methylnaphthalene
Concen: 47.135 ng
RT: 8.845 min Scan# 1149
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

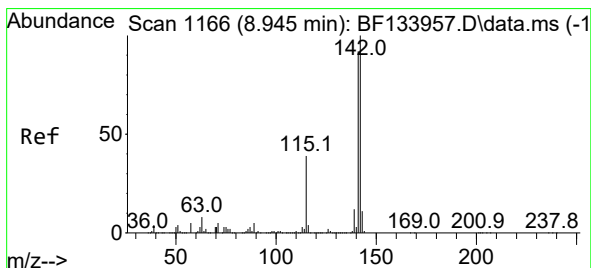
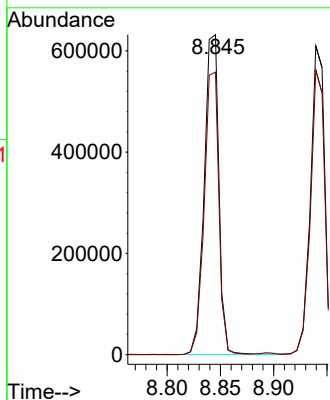
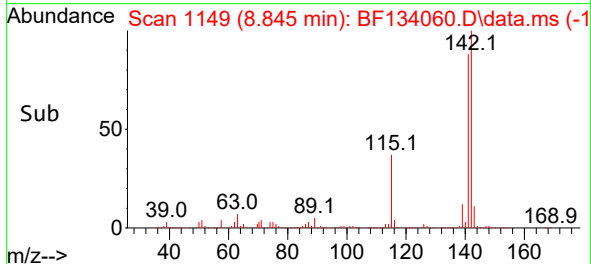


Tgt Ion:142 Resp: 606800
Ion Ratio Lower Upper
142 100
141 88.3 71.0 106.4

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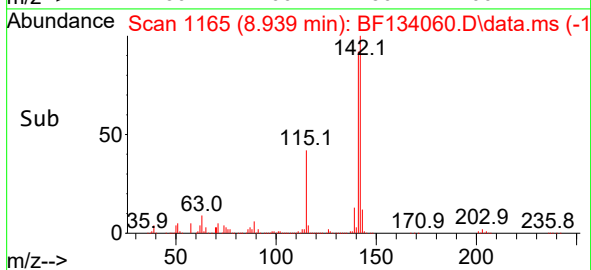
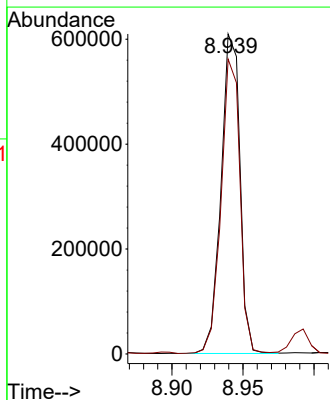
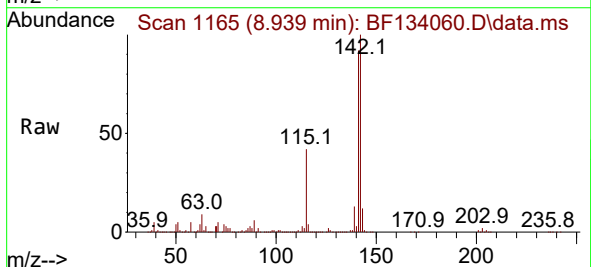
Reviewed By :Yogesh
Patel
07/03/2023

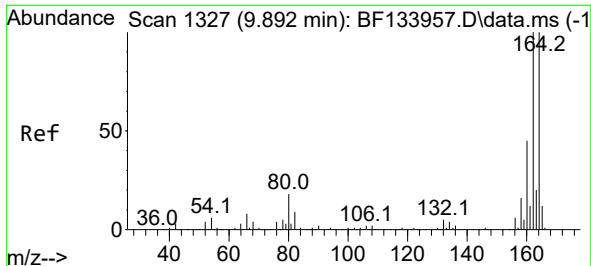
Supervised By :mohammad
ahmed
07/07/2023



#38
1-Methylnaphthalene
Concen: 47.118 ng
RT: 8.939 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:142 Resp: 563909
Ion Ratio Lower Upper
142 100
141 92.1 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 1177

Delta R.T. -0.006 min

Lab File: BF134060.D

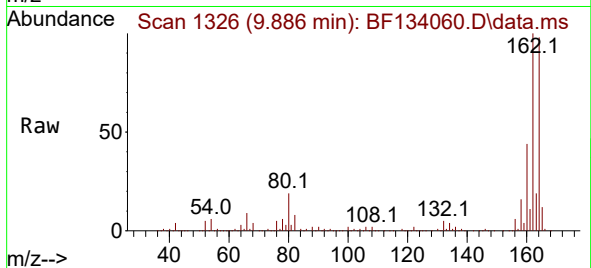
Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD



Tgt Ion:164	Resp:	196034
Ion Ratio	Lower	Upper
164	100	
162	102.1	80.0 120.0
160	45.3	35.9 53.9

Manual Integrations
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Reviewed By :Yogesh

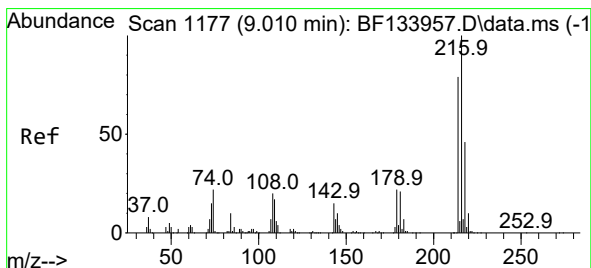
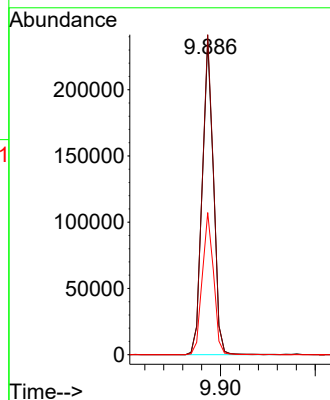
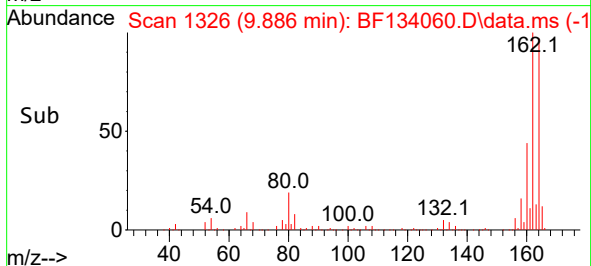
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#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.706 ng

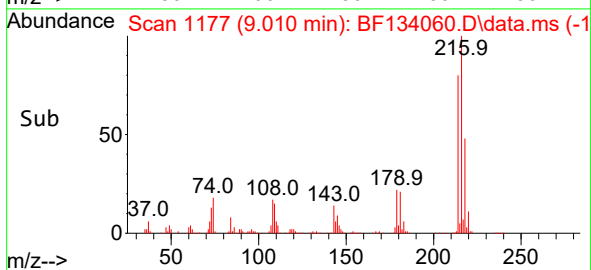
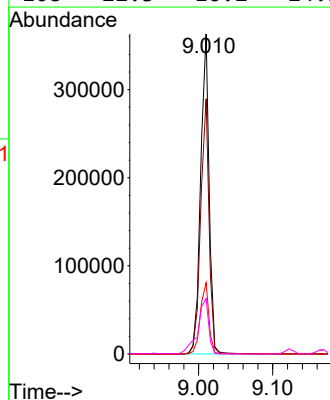
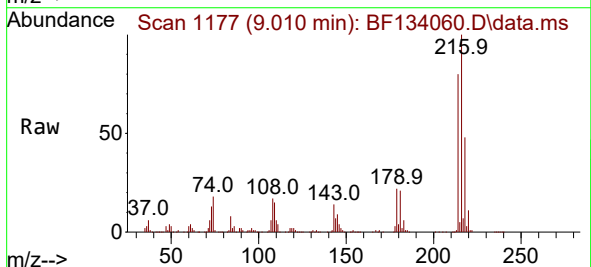
RT: 9.010 min Scan# 1177

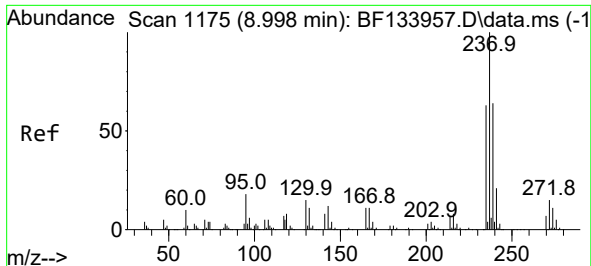
Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

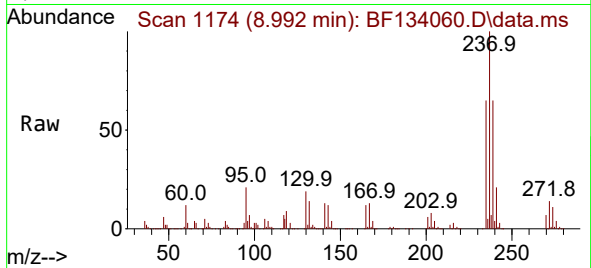
Tgt Ion:216	Resp:	288686
Ion Ratio	Lower	Upper
216	100	
214	78.9	64.1 96.1
179	22.4	17.3 25.9
108	22.3	16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 109.557 ng
RT: 8.992 min Scan# 1174
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

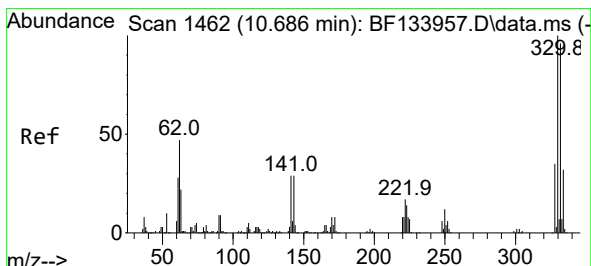
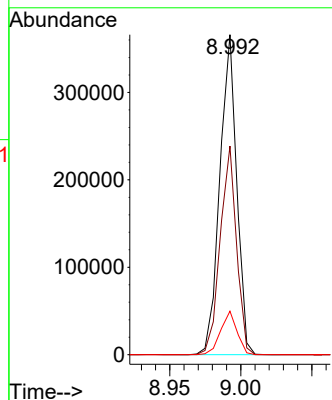
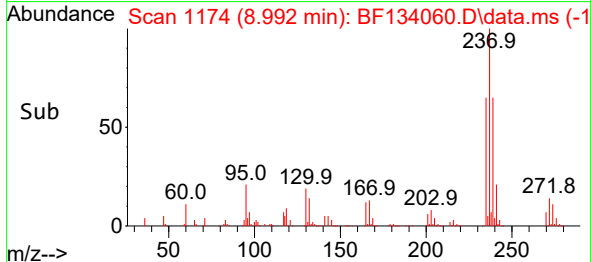


Tgt Ion:237 Resp: 30186
Ion Ratio Lower Upper
237 100
235 65.2 42.8 82.8
272 13.6 0.0 34.6

Manual Integrations
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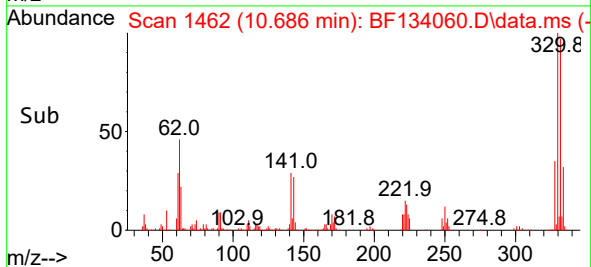
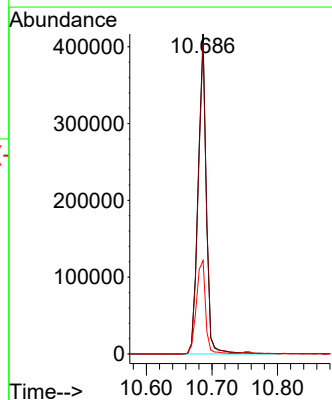
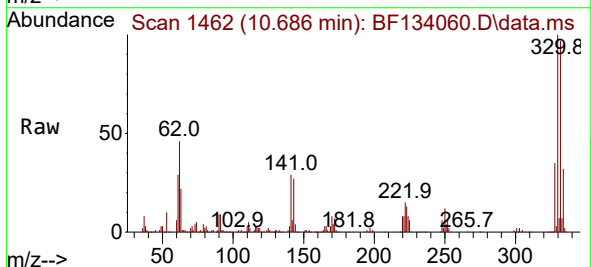
Reviewed By :Yogesh
Patel
07/03/2023

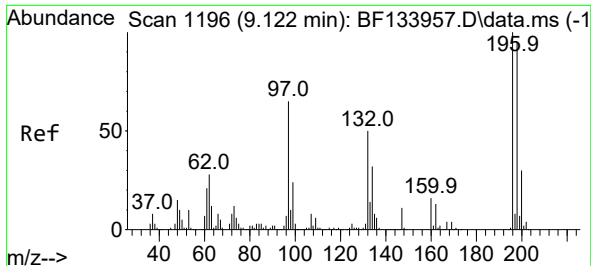
Supervised By :mohammad
ahmed
07/07/2023



#42
2,4,6-Tribromophenol
Concen: 147.649 ng
RT: 10.686 min Scan# 1462
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:330 Resp: 362902
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 32.9 26.3 39.5





#43

2,4,6-Trichlorophenol

Concen: 51.288 ng

RT: 9.122 min Scan# 1196

Delta R.T. -0.006 min

Lab File: BF134060.D

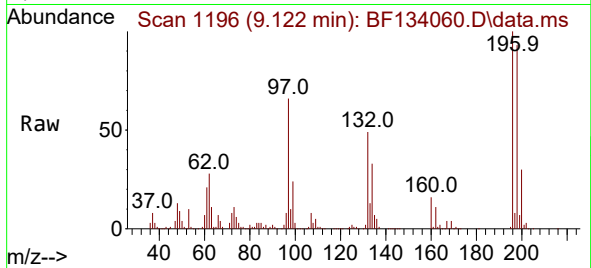
Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD



Tgt Ion:196 Resp: 202774

Ion Ratio Lower Upper

196 100

198 93.3 75.6 113.4

200 29.5 24.4 36.6

Manual Integrations

APPROVED

Reviewed By :Yogesh

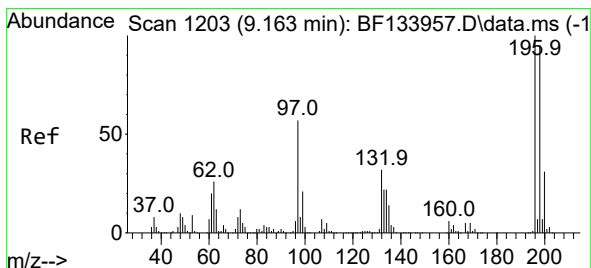
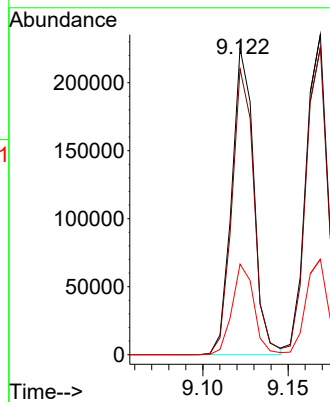
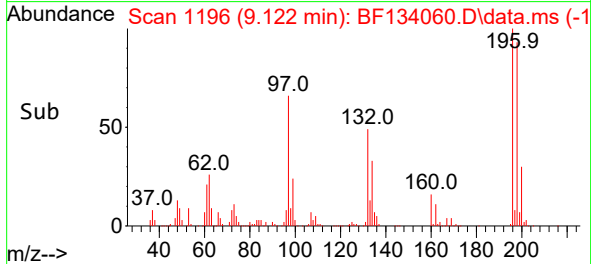
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Supervised By :mohammad

ahmed

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#44

2,4,5-Trichlorophenol

Concen: 47.256 ng

RT: 9.169 min Scan# 1204

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Tgt Ion:196 Resp: 219766

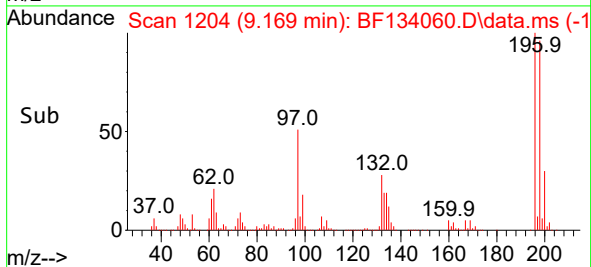
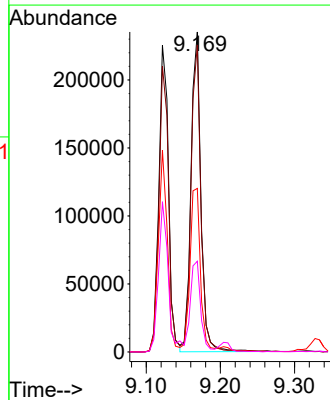
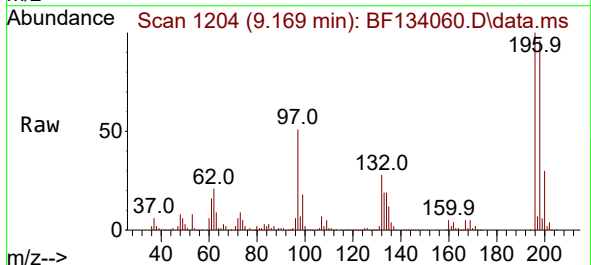
Ion Ratio Lower Upper

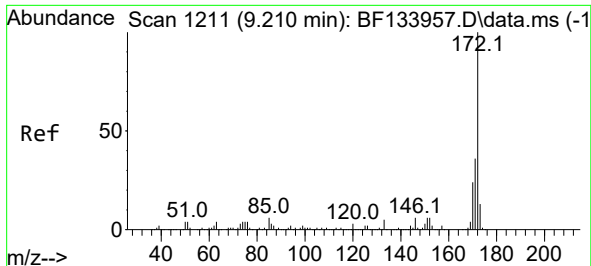
196 100

198 96.0 75.7 113.5

97 51.1 45.8 68.6

132 28.4 26.2 39.4





#45

2-Fluorobiphenyl

Concen: 96.878 ng

RT: 9.210 min Scan# 1211

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

Tgt Ion:172 Resp: 130624

Ion Ratio Lower Upper

172 100

171 35.2 28.6 43.0

170 23.9 19.4 29.0

Manual Integrations

APPROVED

Reviewed By :Yogesh

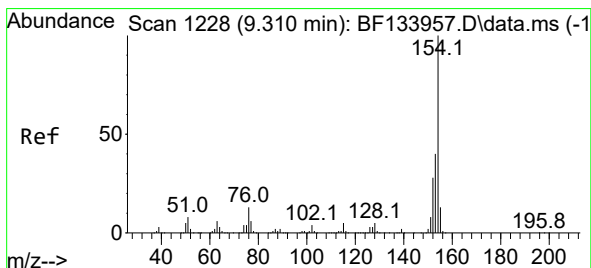
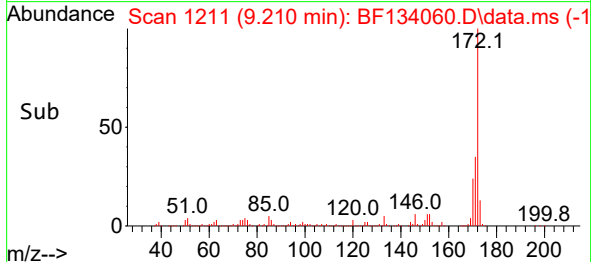
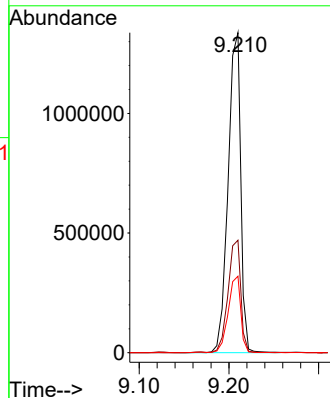
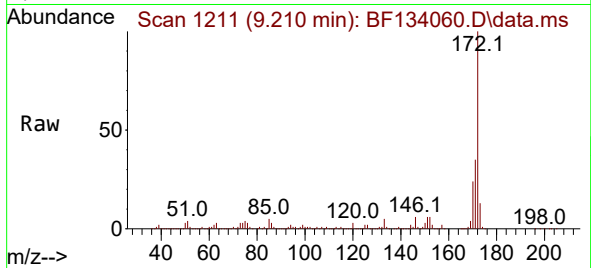
Patel

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Supervised By :mohammad

ahmed

07/07/2023



#46

1,1'-Biphenyl

Concen: 48.698 ng

RT: 9.310 min Scan# 1228

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

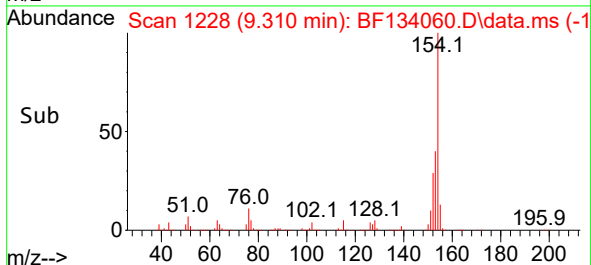
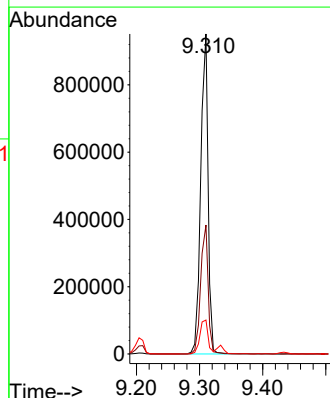
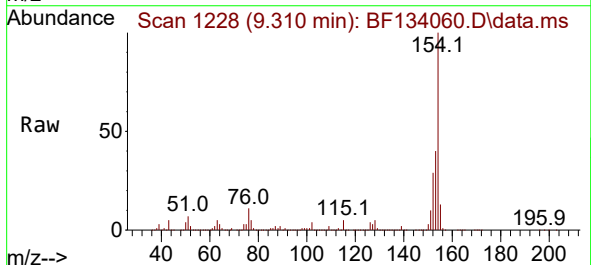
Tgt Ion:154 Resp: 765781

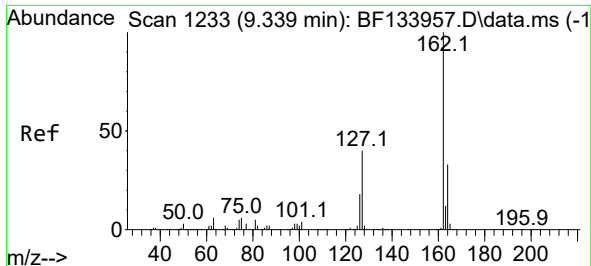
Ion Ratio Lower Upper

154 100

153 40.3 19.8 59.8

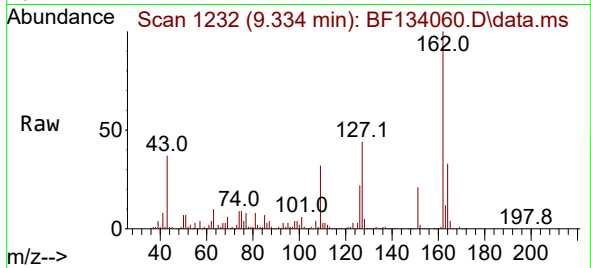
76 10.6 0.0 32.9





#47
2-Chloronaphthalene
Concen: 46.012 ng
RT: 9.334 min Scan# 1233
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

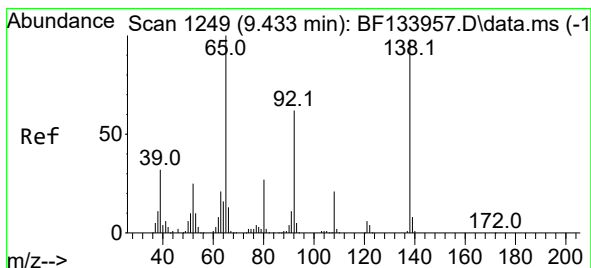
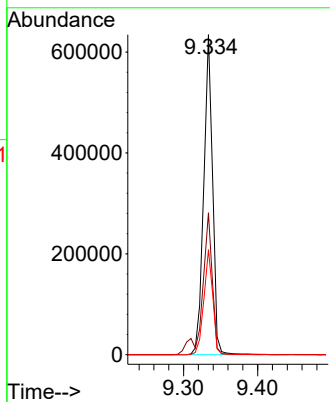
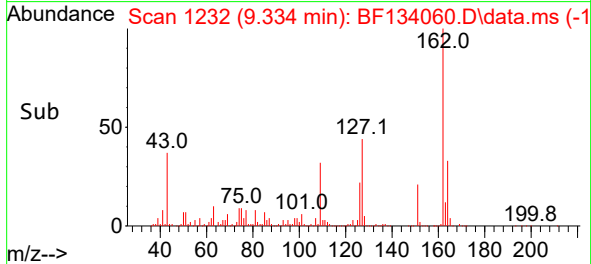


Tgt Ion:162 Resp: 52939
Ion Ratio Lower Upper
162 100
127 44.4 32.9 49.3
164 32.8 26.1 39.1

Manual Integrations
APPROVED

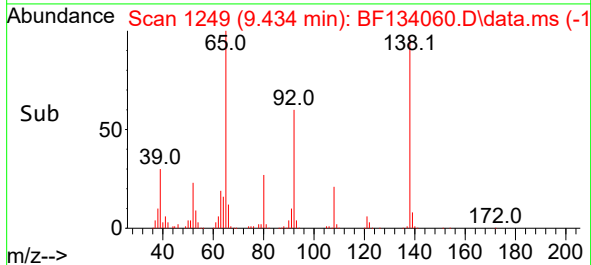
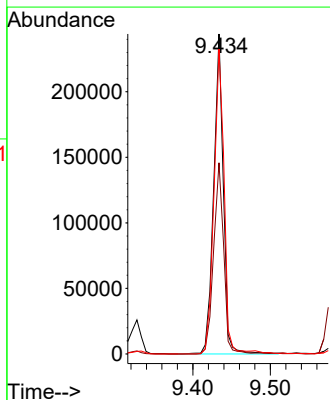
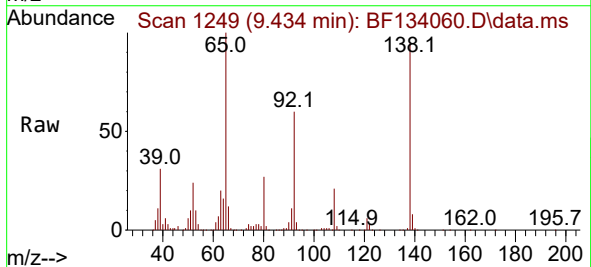
Reviewed By :Yogesh
Patel
07/03/2023

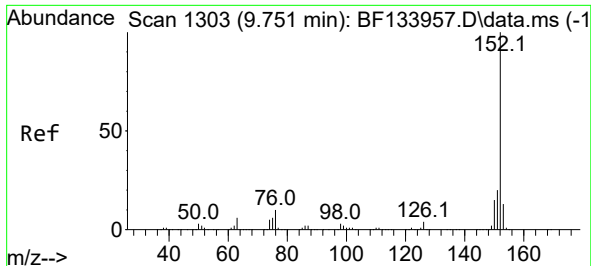
Supervised By :mohammad
ahmed
07/07/2023



#48
2-Nitroaniline
Concen: 50.514 ng
RT: 9.434 min Scan# 1249
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

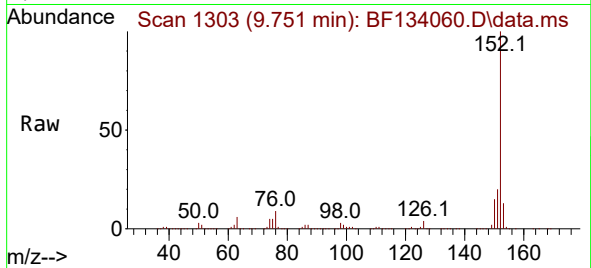
Tgt Ion: 65 Resp: 211813
Ion Ratio Lower Upper
65 100
92 59.7 49.5 74.3
138 95.3 78.0 117.0





#49
Acenaphthylene
Concen: 48.770 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

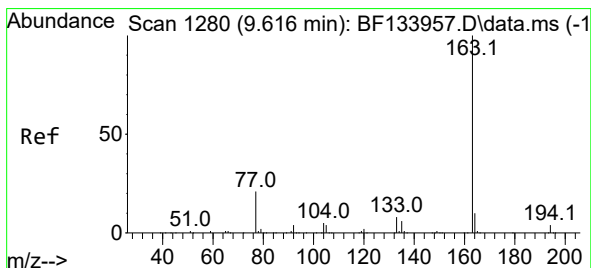
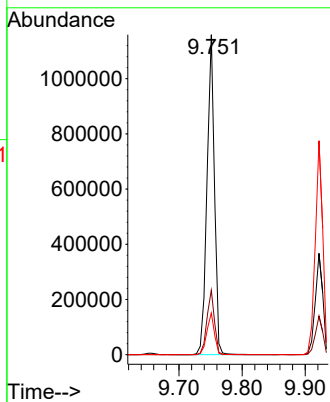
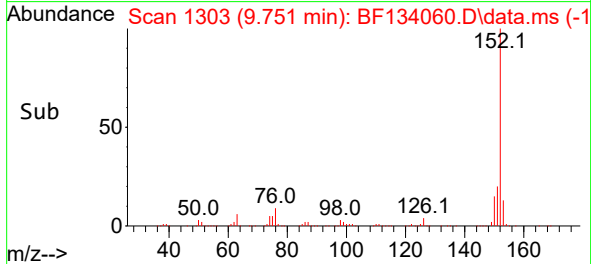


Tgt Ion:152 Resp: 958530
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.2
153 13.0 10.8 16.2

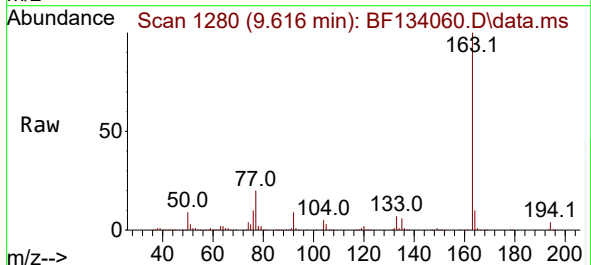
Manual Integrations
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Reviewed By :Yogesh
Patel
07/03/2023

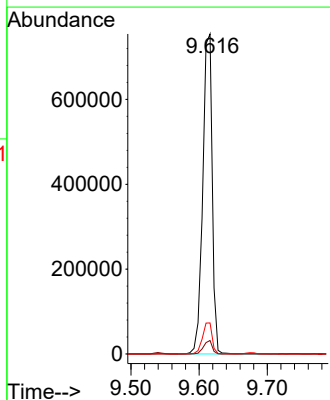
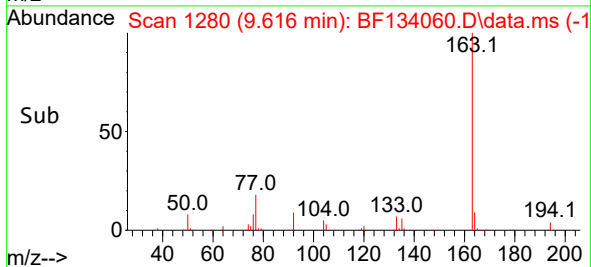
Supervised By :mohammad
ahmed
07/07/2023

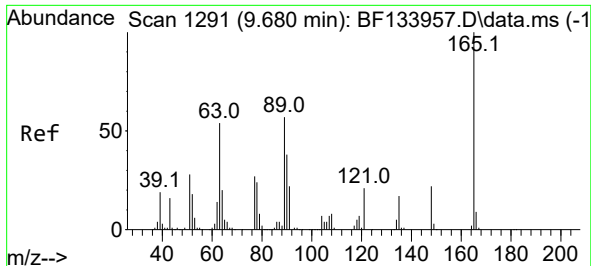


#50
Dimethylphthalate
Concen: 51.368 ng
RT: 9.616 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29



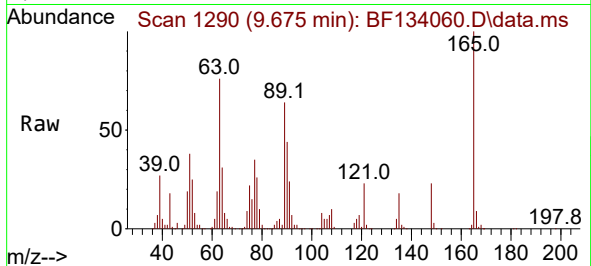
Tgt Ion:163 Resp: 730980
Ion Ratio Lower Upper
163 100
194 4.2 3.0 4.6
164 9.7 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 52.198 ng
RT: 9.675 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

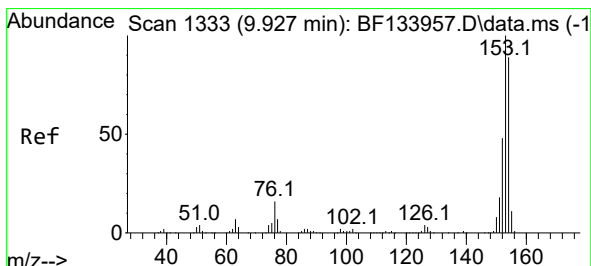
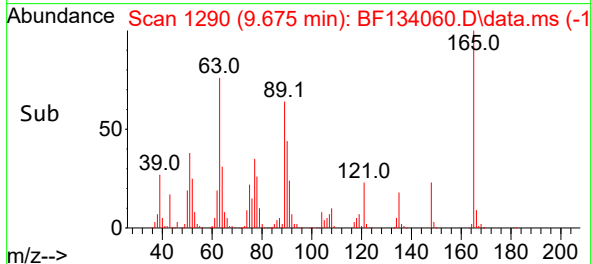
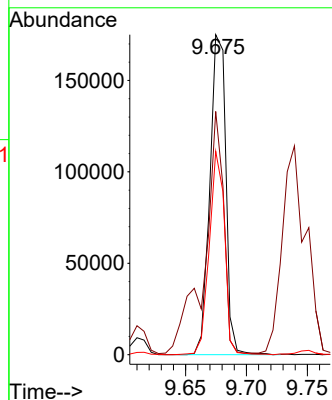


Tgt Ion:165 Resp: 159984
Ion Ratio Lower Upper
165 100
63 76.0 48.5 72.7
89 63.6 45.5 68.3

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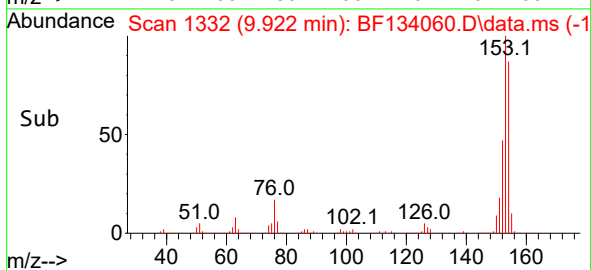
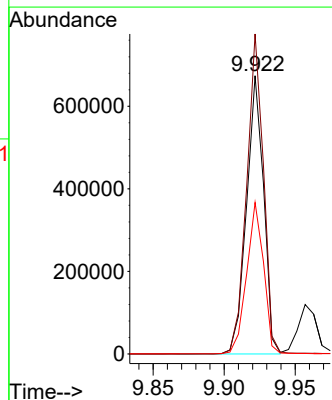
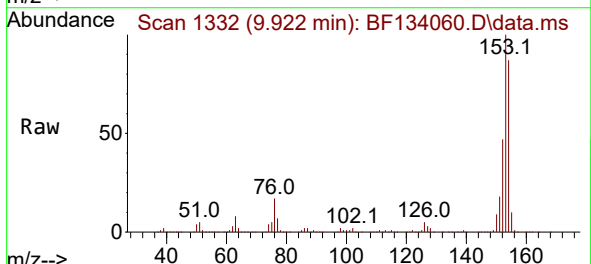
Reviewed By :Yogesh
Patel
07/03/2023

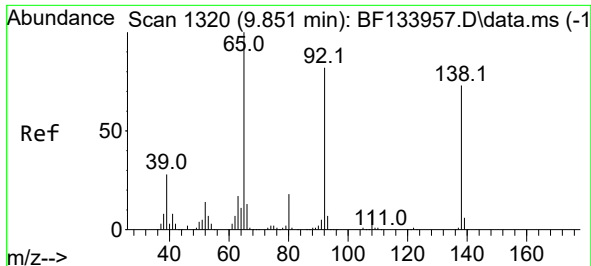
Supervised By :mohammad
ahmed
07/07/2023



#52
Acenaphthene
Concen: 49.528 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

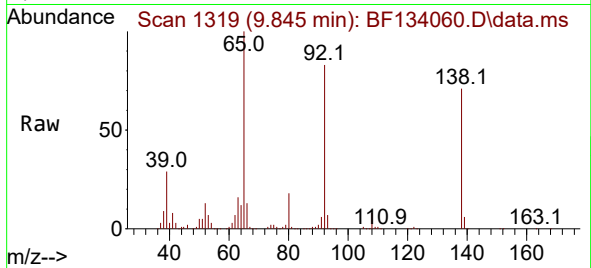
Tgt Ion:154 Resp: 564840
Ion Ratio Lower Upper
154 100
153 115.0 89.4 134.2
152 54.4 42.8 64.2





#53
3-Nitroaniline
Concen: 30.140 ng
RT: 9.845 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

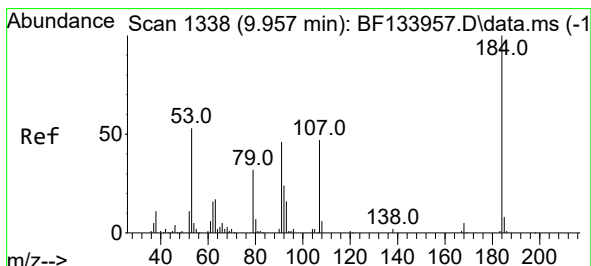
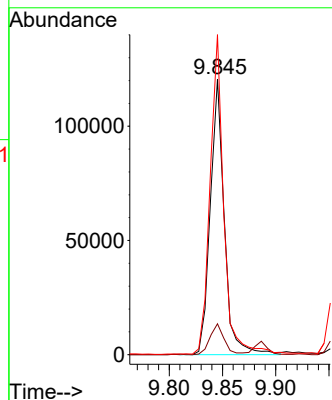
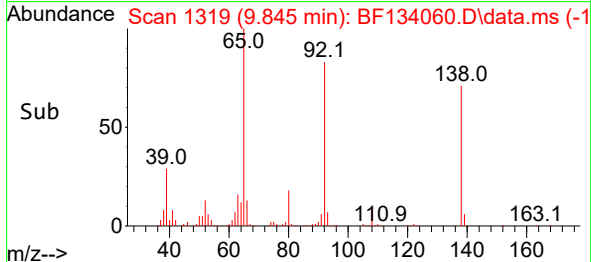


Tgt Ion:138 Resp: 11082
Ion Ratio Lower Upper
138 100
108 11.2 8.4 12.6
92 116.0 90.1 135.1

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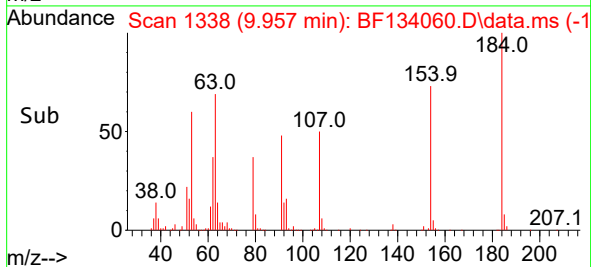
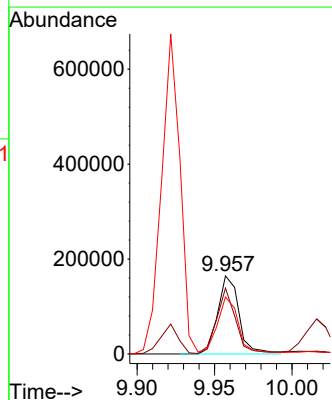
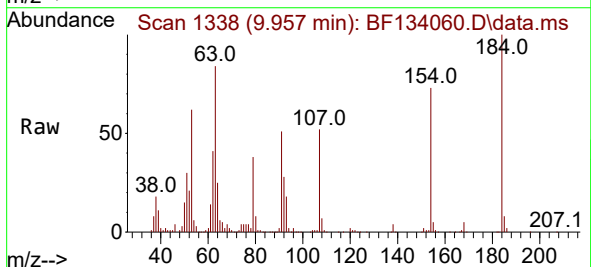
Reviewed By :Yogesh
Patel
07/03/2023

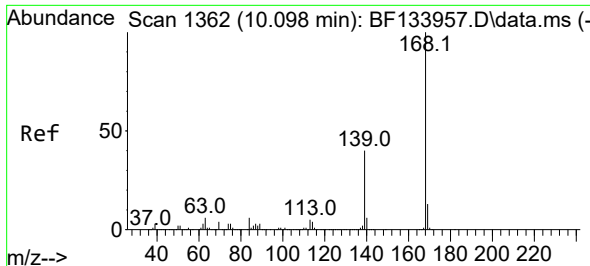
Supervised By :mohammad
ahmed
07/07/2023



#54
2,4-Dinitrophenol
Concen: 88.478 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

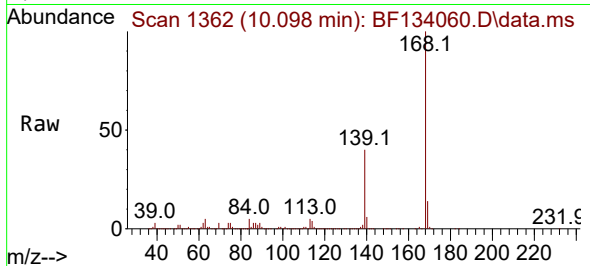
Tgt Ion:184 Resp: 157371
Ion Ratio Lower Upper
184 100
63 84.1 56.9 85.3
154 72.8 55.4 83.0





#55
Dibenzenofuran
Concen: 48.539 ng
RT: 10.098 min Scan# 1362
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

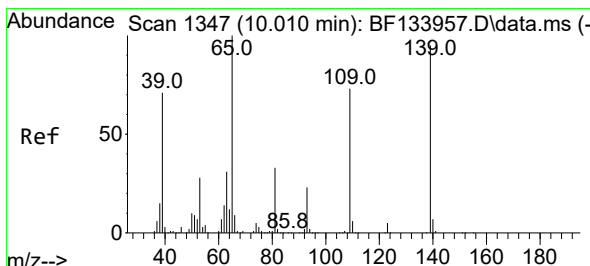
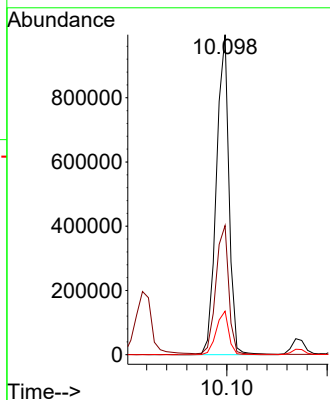
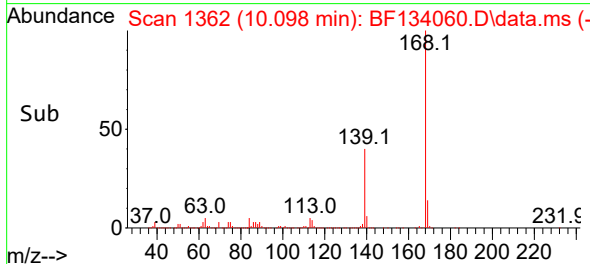


Tgt Ion:168 Resp: 865138
Ion Ratio Lower Upper
168 100
139 40.4 32.0 48.0
169 13.6 10.6 16.0

Manual Integrations
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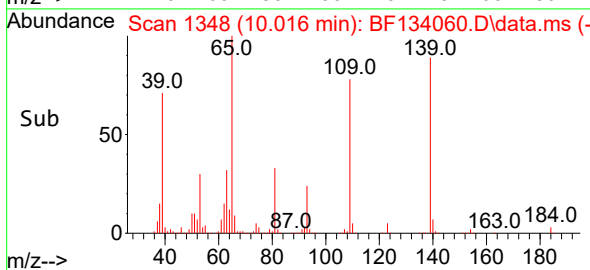
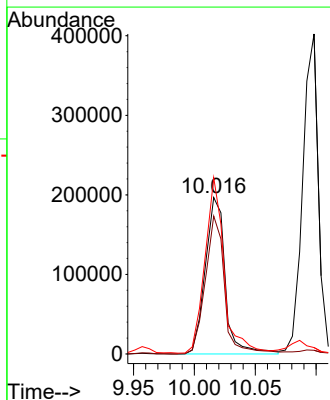
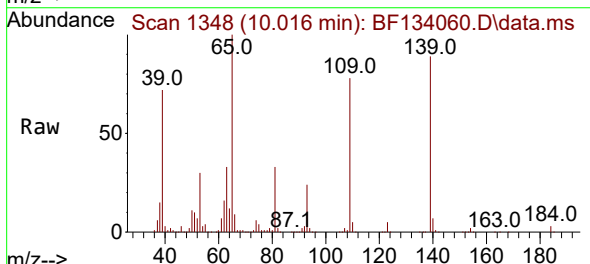
Reviewed By :Yogesh
Patel
07/03/2023

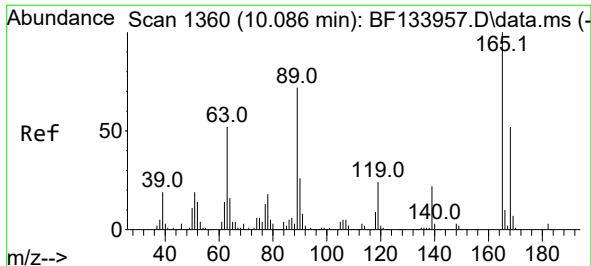
Supervised By :mohammad
ahmed
07/07/2023



#56
4-Nitrophenol
Concen: 87.277 ng
RT: 10.016 min Scan# 1348
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

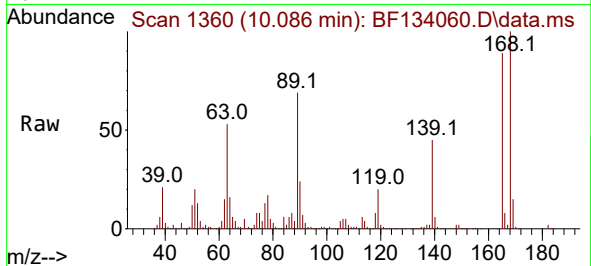
Tgt Ion:139 Resp: 224472
Ion Ratio Lower Upper
139 100
109 88.2 56.8 96.8
65 112.7 86.1 126.1





#57
2,4-Dinitrotoluene
Concen: 51.924 ng
RT: 10.086 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

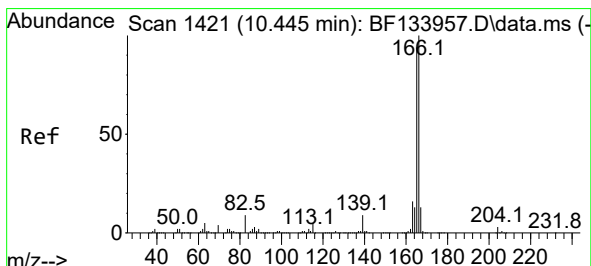
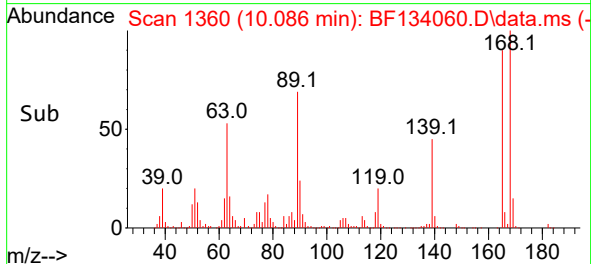
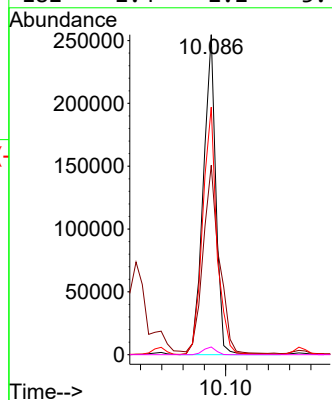


Tgt Ion:165 Resp: 210172
Ion Ratio Lower Upper
165 100
63 59.2 42.2 63.2
89 77.3 57.4 86.2
182 2.4 2.2 3.4

Manual Integrations
APPROVED

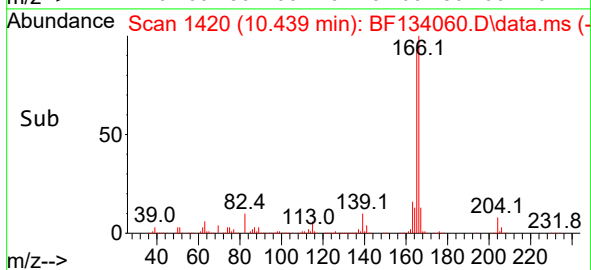
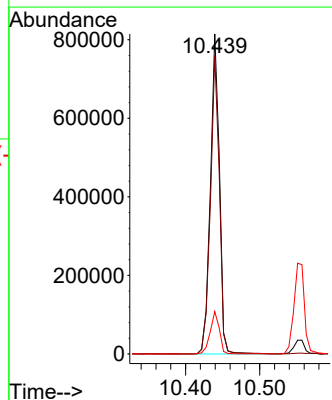
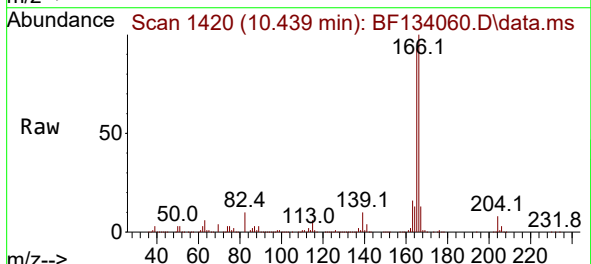
Reviewed By :Yogesh
Patel
07/03/2023

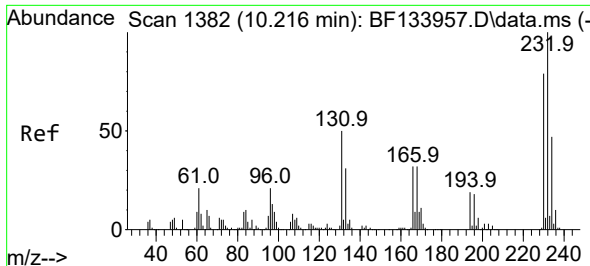
Supervised By :mohammad
ahmed
07/07/2023



#58
Fluorene
Concen: 49.781 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

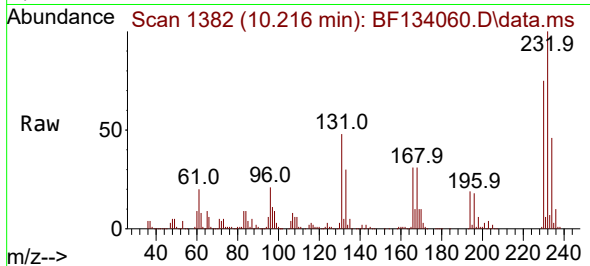
Tgt Ion:166 Resp: 690288
Ion Ratio Lower Upper
166 100
165 93.3 75.0 112.4
167 13.3 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 51.531 ng
RT: 10.216 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

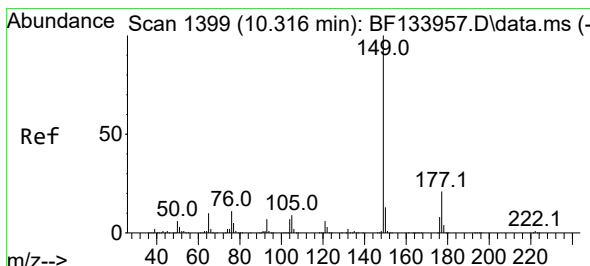
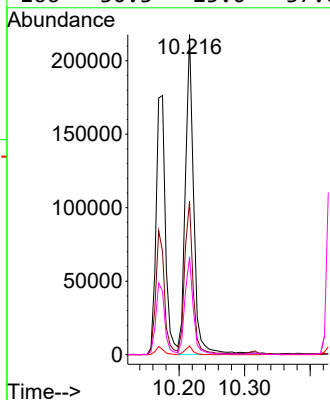


Tgt Ion:232 Resp: 189031
Ion Ratio Lower Upper
232 100
131 47.8 39.3 58.9
130 2.6 1.8 2.6
166 30.3 25.0 37.6

Manual Integrations
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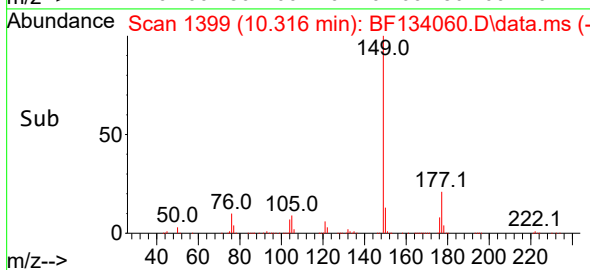
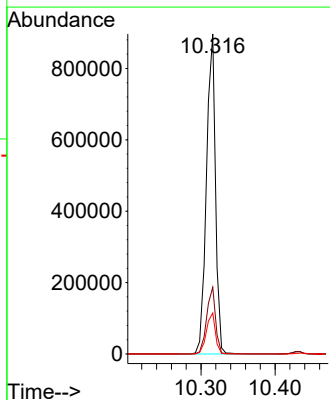
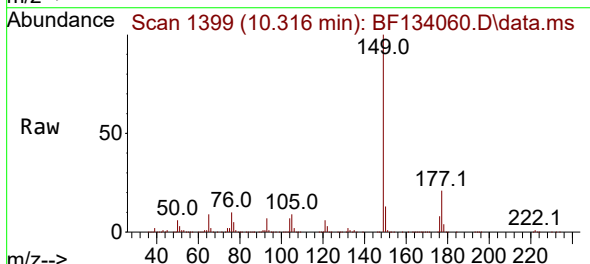
Reviewed By :Yogesh
Patel
07/03/2023

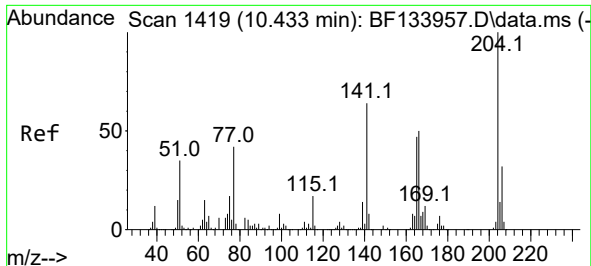
Supervised By :mohammad
ahmed
07/07/2023



#60
Diethylphthalate
Concen: 51.501 ng
RT: 10.316 min Scan# 1399
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

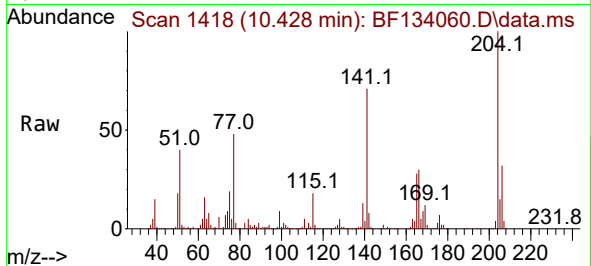
Tgt Ion:149 Resp: 763537
Ion Ratio Lower Upper
149 100
177 20.9 17.0 25.6
150 12.8 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 50.329 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

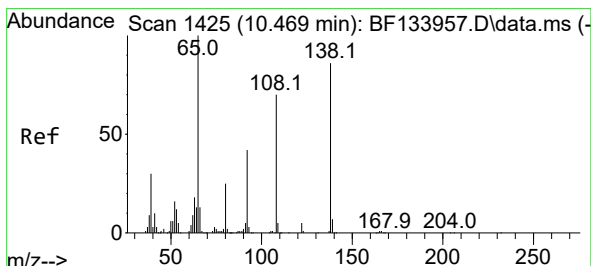
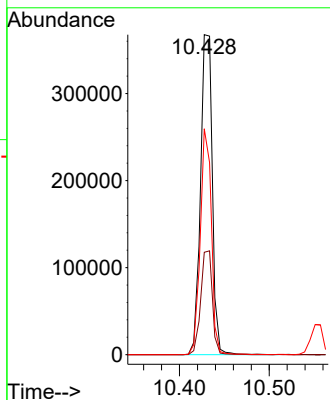
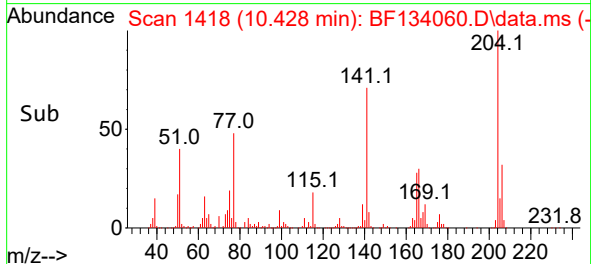


Tgt Ion:204 Resp: 33632
Ion Ratio Lower Upper
204 100
206 32.0 25.8 38.6
141 70.6 51.5 77.3

Manual Integrations
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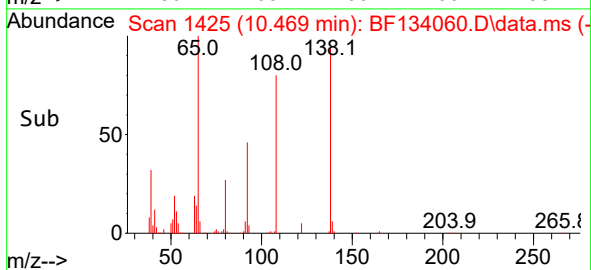
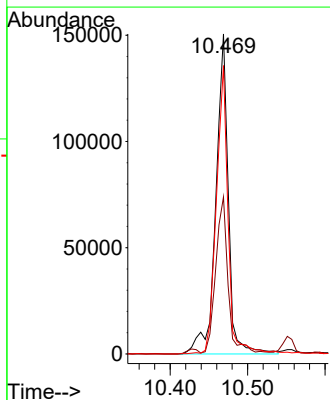
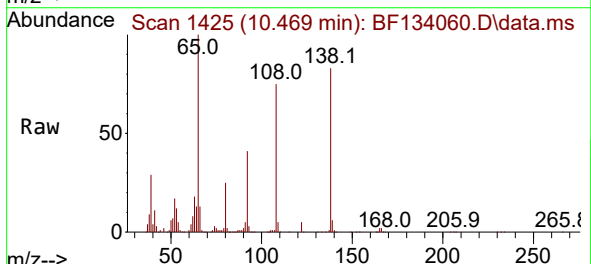
Reviewed By :Yogesh
Patel
07/03/2023

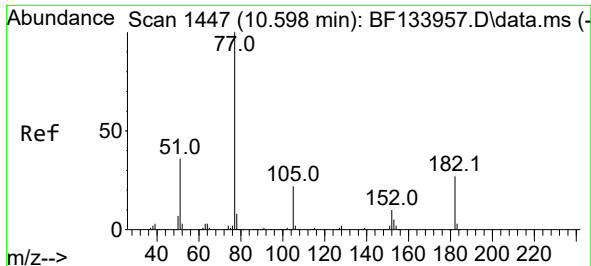
Supervised By :mohammad
ahmed
07/07/2023



#62
4-Nitroaniline
Concen: 45.696 ng
RT: 10.469 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

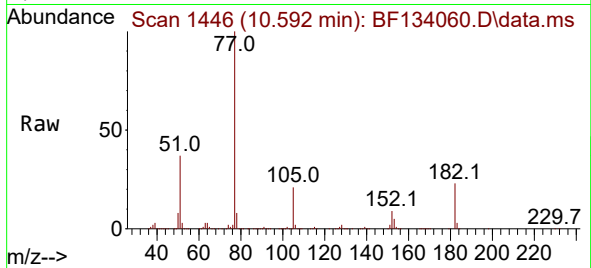
Tgt Ion:138 Resp: 169331
Ion Ratio Lower Upper
138 100
92 49.0 29.7 69.7
108 90.1 62.1 102.1





#63
Azobenzene
Concen: 50.369 ng
RT: 10.592 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

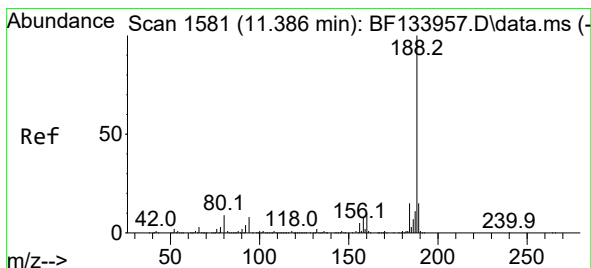
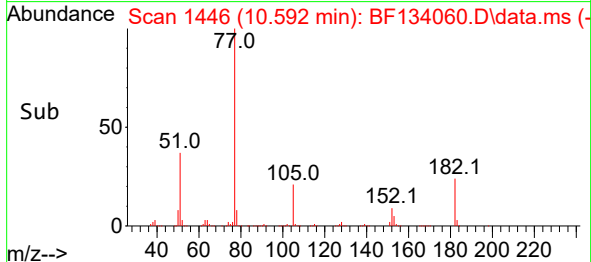
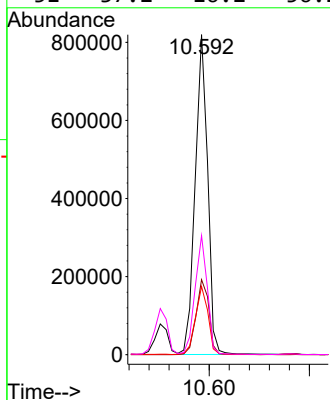


Tgt Ion: 77 Resp: 70636
Ion Ratio Lower Upper
77 100
182 23.5 6.8 46.8
105 21.3 2.3 42.3
51 37.2 16.2 56.2

Manual Integrations
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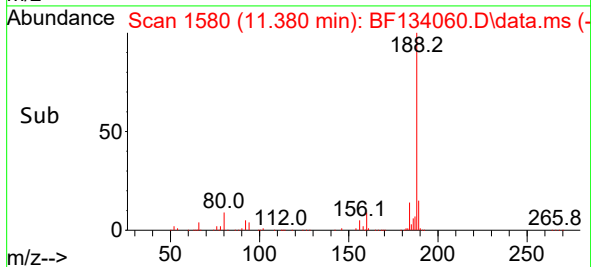
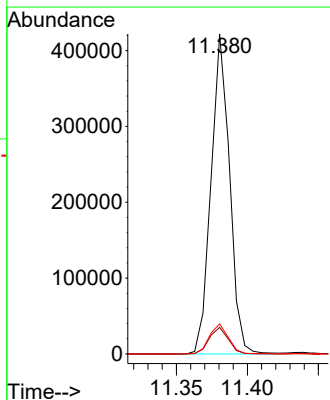
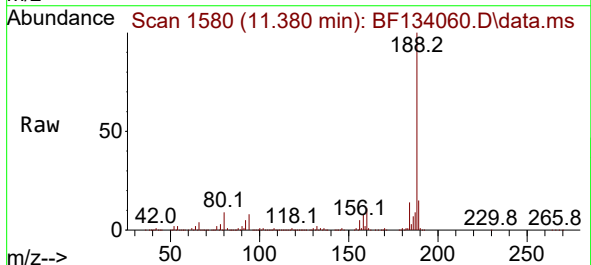
Reviewed By :Yogesh
Patel
07/03/2023

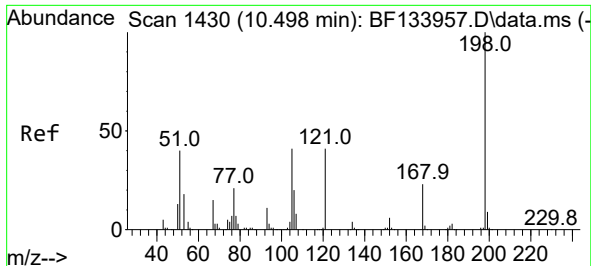
Supervised By :mohammad
ahmed
07/07/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:188 Resp: 382675
Ion Ratio Lower Upper
188 100
94 8.3 6.4 9.6
80 9.4 7.3 10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 51.888 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

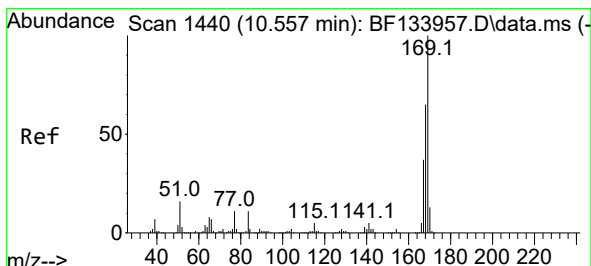
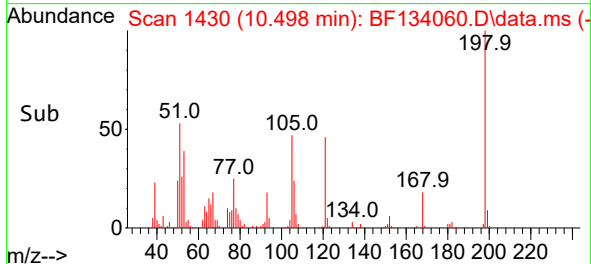
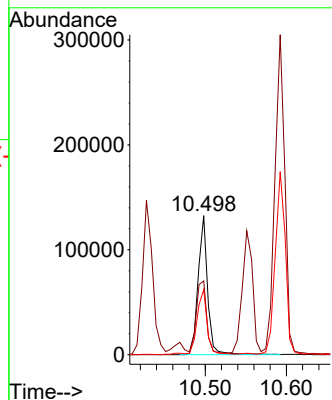
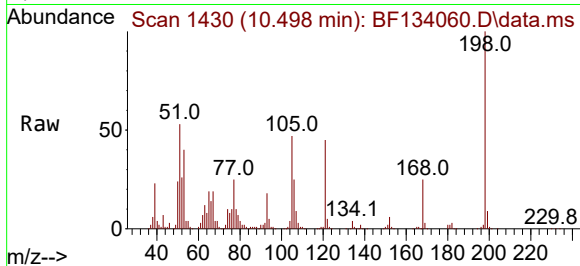
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

Tgt Ion:198 Resp: 10825
Ion Ratio Lower Upper
198 100
51 53.0 29.3 69.3
105 46.7 22.4 62.4

Manual Integrations
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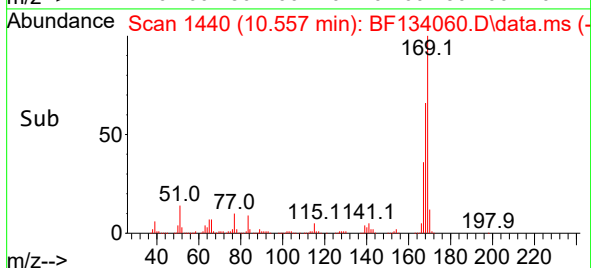
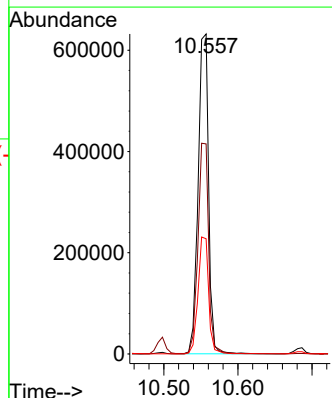
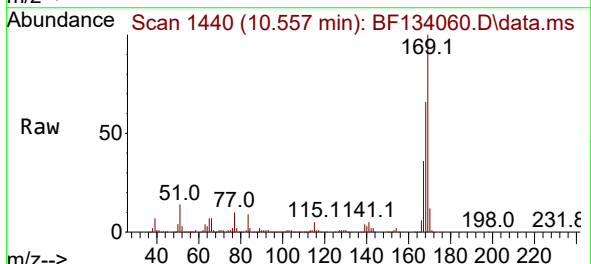
Reviewed By :Yogesh
Patel
07/03/2023

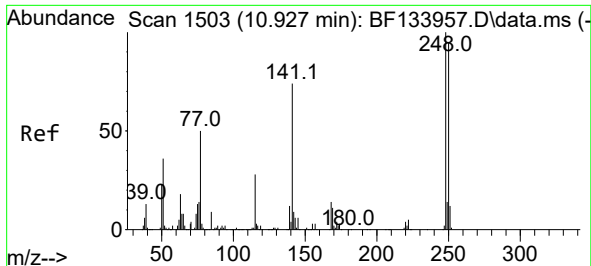
Supervised By :mohammad
ahmed
07/07/2023



#66
n-Nitrosodiphenylamine
Concen: 50.378 ng
RT: 10.557 min Scan# 1440
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

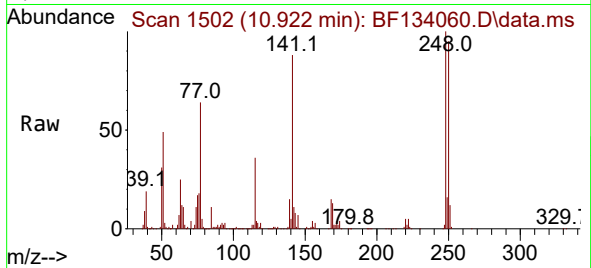
Tgt Ion:169 Resp: 615949
Ion Ratio Lower Upper
169 100
168 65.7 52.3 78.5
167 36.0 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 52.439 ng
RT: 10.922 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

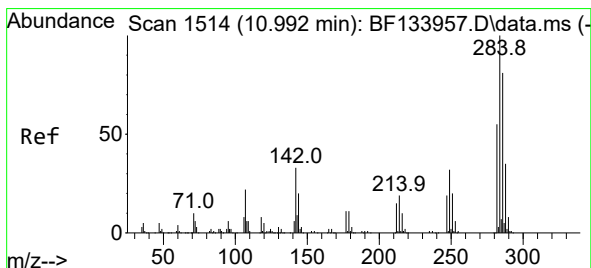
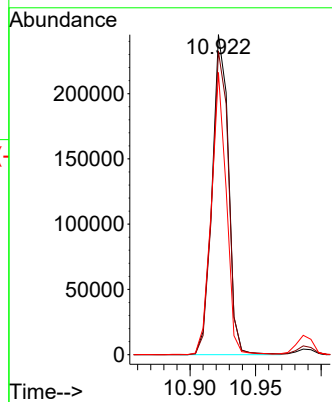
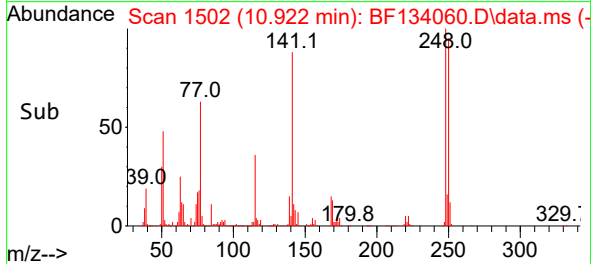


Tgt Ion:248 Resp: 213289
Ion Ratio Lower Upper
248 100
250 94.8 76.2 114.4
141 88.2 59.0 88.4

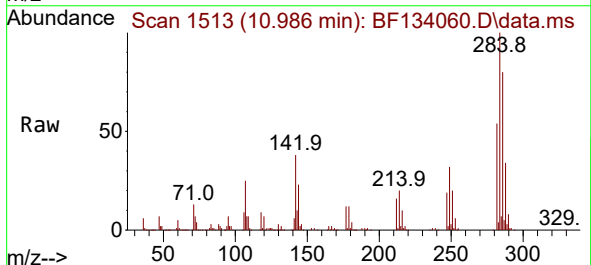
Manual Integrations
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Reviewed By :Yogesh
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07/03/2023

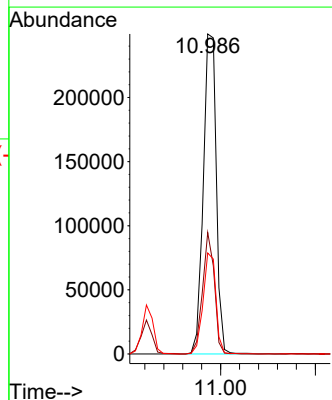
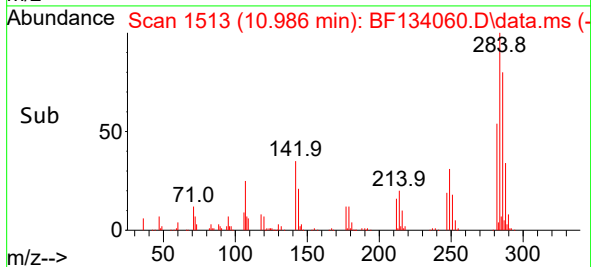
Supervised By :mohammad
ahmed
07/07/2023

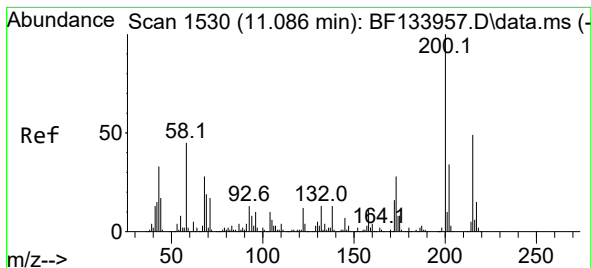


#68
Hexachlorobenzene
Concen: 54.943 ng
RT: 10.986 min Scan# 1513
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29



Tgt Ion:284 Resp: 237276
Ion Ratio Lower Upper
284 100
142 38.0 26.6 40.0
249 31.5 25.5 38.3





#69

Atrazine

Concen: 59.592 ng

RT: 11.086 min Scan# 1530

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

Tgt Ion:200	Resp: 20153
Ion Ratio	Lower Upper
200 100	
173 26.1	8.0 48.0
215 47.8	29.3 69.3

Manual Integrations

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Reviewed By :Yogesh

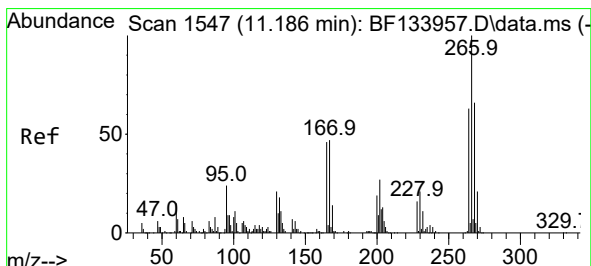
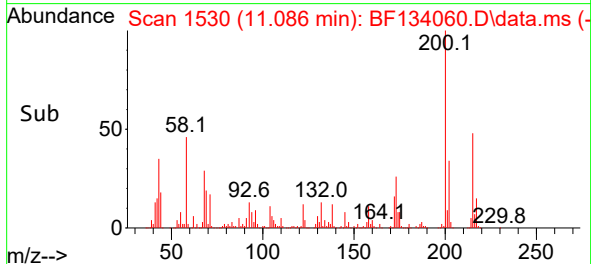
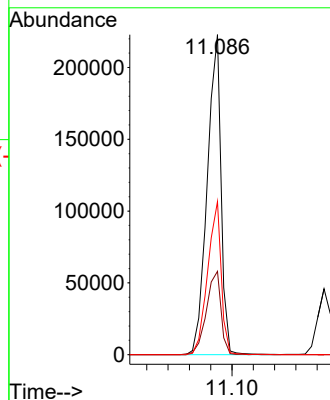
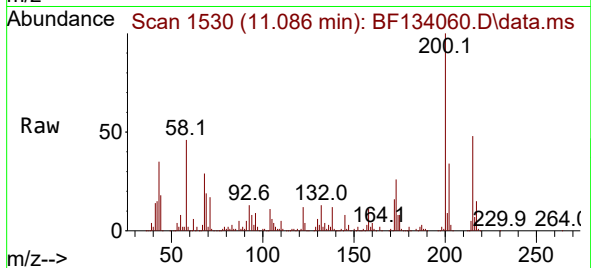
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#70

Pentachlorophenol

Concen: 86.880 ng

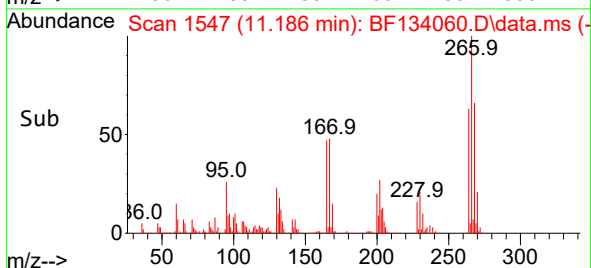
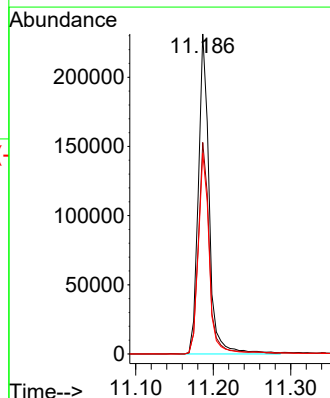
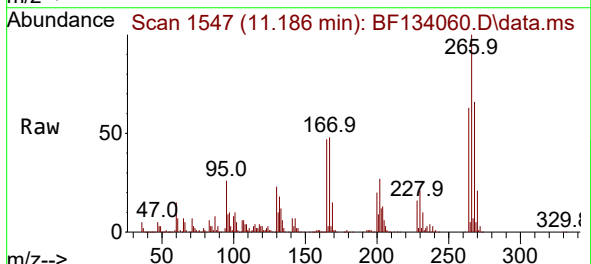
RT: 11.186 min Scan# 1547

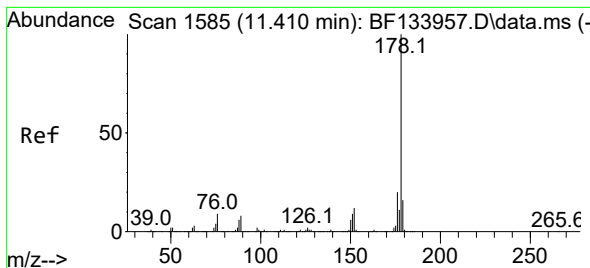
Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Tgt Ion:266	Resp: 224338
Ion Ratio	Lower Upper
266 100	
268 66.1	52.6 79.0
264 62.8	50.6 76.0





#71

Phenanthrene

Concen: 50.401 ng

RT: 11.410 min Scan# 1585

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

Tgt Ion:178 Resp: 97095

Ion Ratio Lower Upper

178 100

176 19.7 16.0 24.0

179 15.3 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh

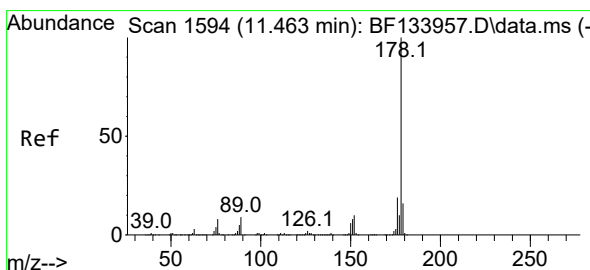
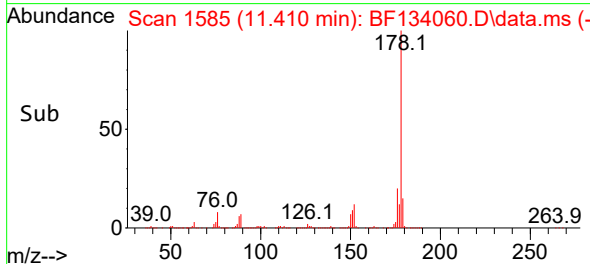
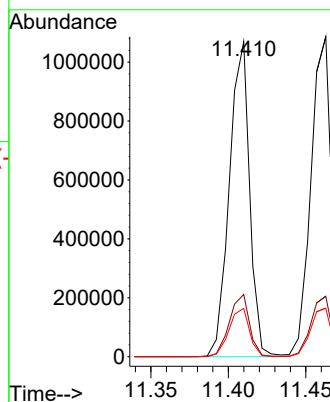
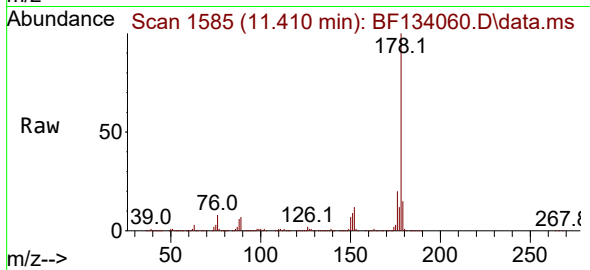
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Supervised By :mohammad

ahmed

07/07/2023



#72

Anthracene

Concen: 50.437 ng

RT: 11.463 min Scan# 1594

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

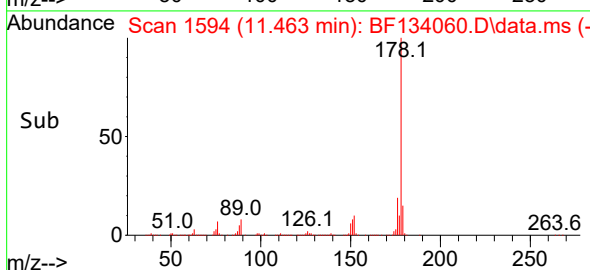
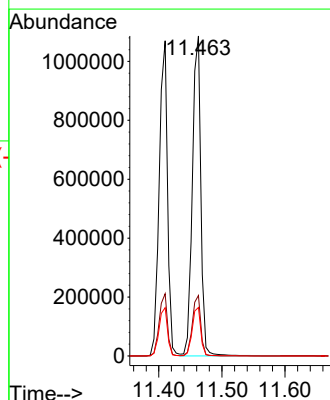
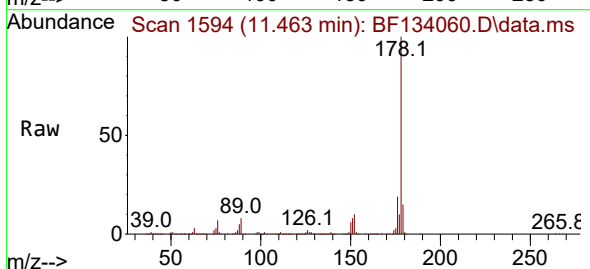
Tgt Ion:178 Resp: 1010618

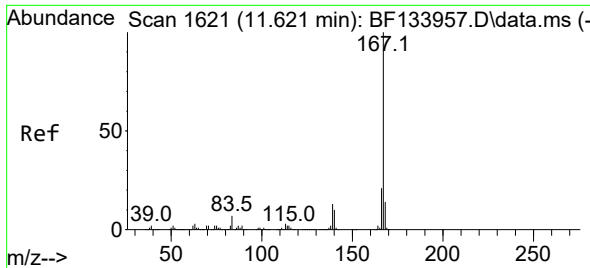
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

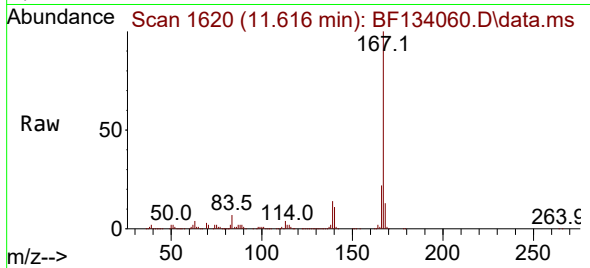
179 15.2 12.4 18.6





#73
 Carbazole
 Concen: 49.073 ng
 RT: 11.616 min Scan# 1620
 Delta R.T. -0.006 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MSD

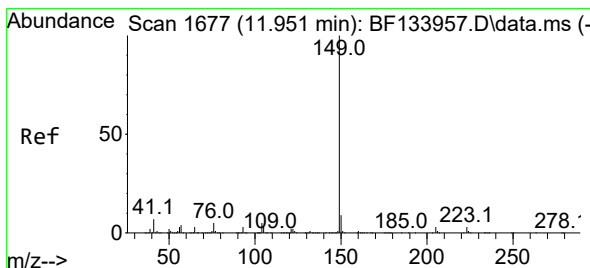
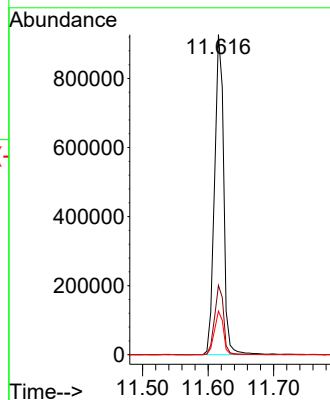


Tgt Ion:167 Resp: 900000
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.0 25.6
 139 13.6 10.4 15.6

Manual Integrations
 APPROVED

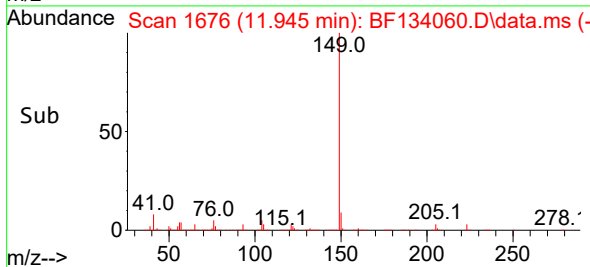
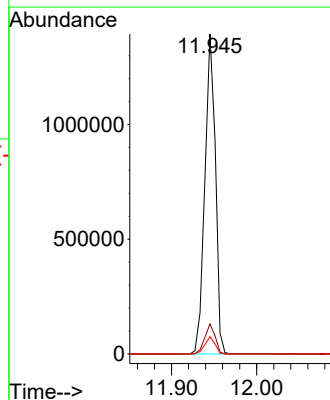
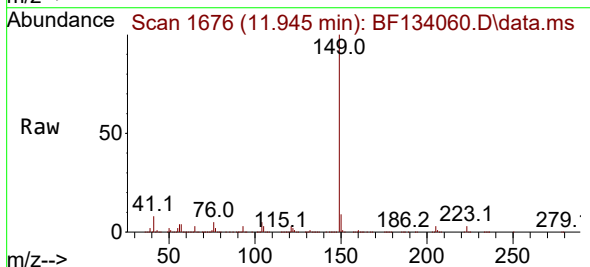
Reviewed By :Yogesh
 Patel
 07/03/2023

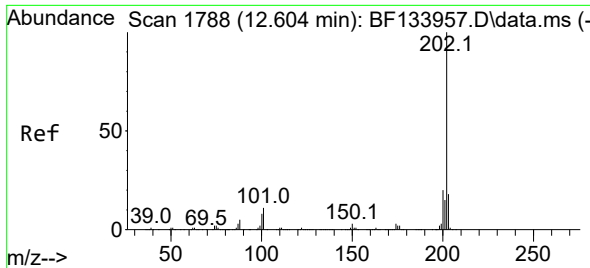
Supervised By :mohammad
 ahmed
 07/07/2023



#74
 Di-n-butylphthalate
 Concen: 54.891 ng
 RT: 11.945 min Scan# 1676
 Delta R.T. -0.006 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

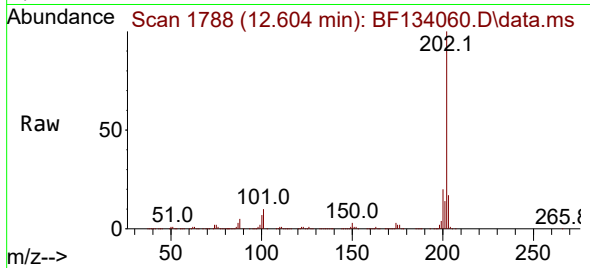
Tgt Ion:149 Resp: 1197178
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.1 10.7
 104 5.4 4.0 6.0





#75
Fluoranthene
Concen: 47.047 ng
RT: 12.604 min Scan# 1788
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

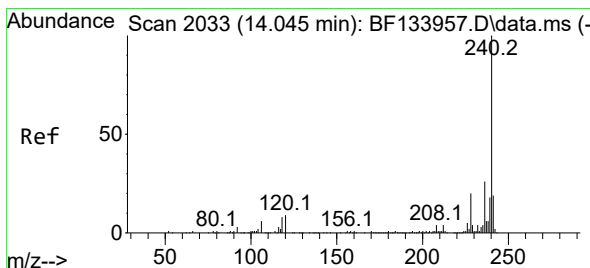
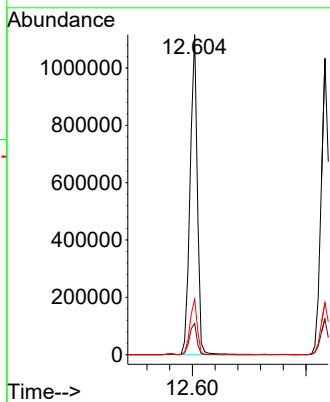
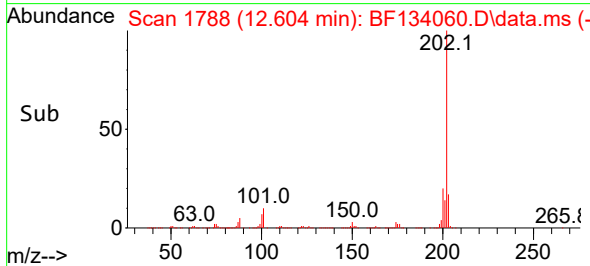


Tgt Ion:202 Resp: 979825
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.0
203 17.4 0.0 37.6

Manual Integrations
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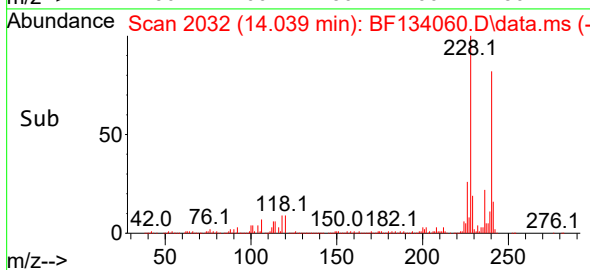
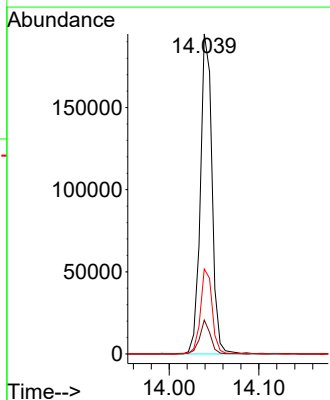
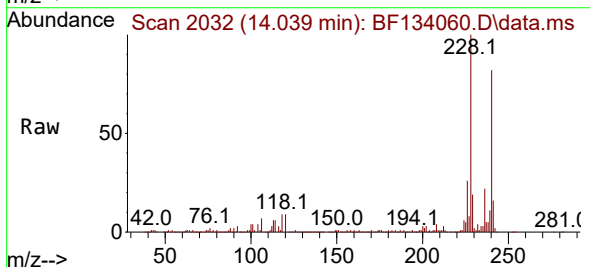
Reviewed By :Yogesh
Patel
07/03/2023

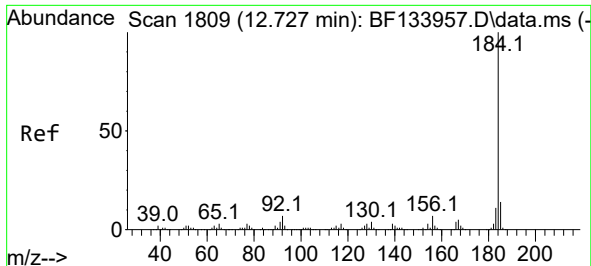
Supervised By :mohammad
ahmed
07/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

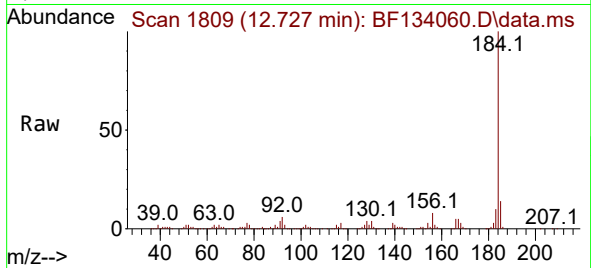
Tgt Ion:240 Resp: 175914
Ion Ratio Lower Upper
240 100
120 10.6 7.4 11.0
236 26.6 21.0 31.6





#77
Benzidine
Concen: 47.407 ng
RT: 12.727 min Scan# 1809
Delta R.T. 0.000 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

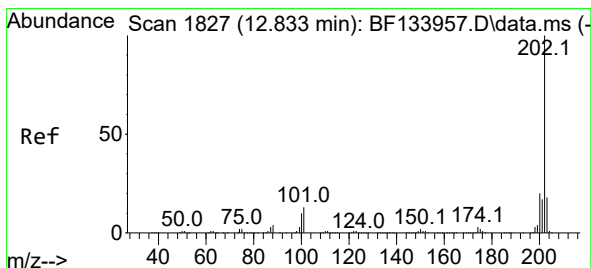
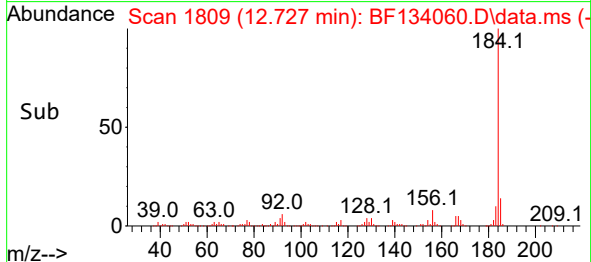
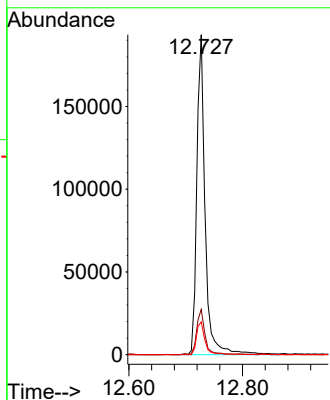


Tgt Ion:184 Resp: 198435
Ion Ratio Lower Upper
184 100
185 14.2 11.6 17.4
183 10.2 8.8 13.2

Manual Integrations
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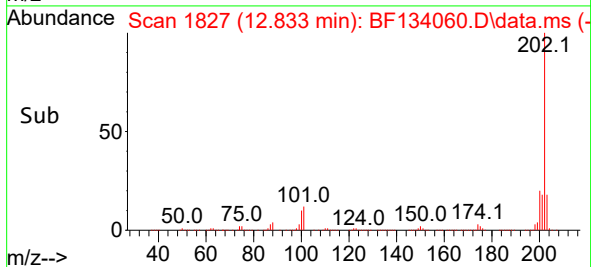
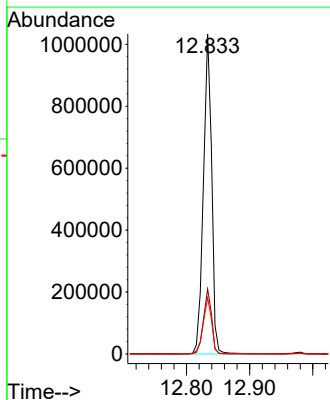
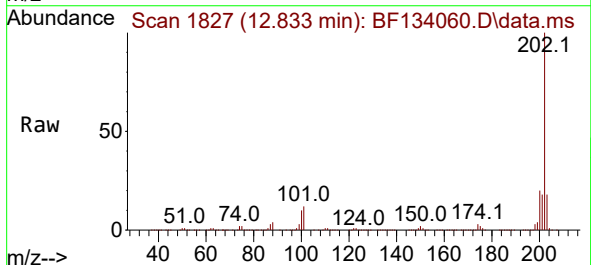
Reviewed By :Yogesh
Patel
07/03/2023

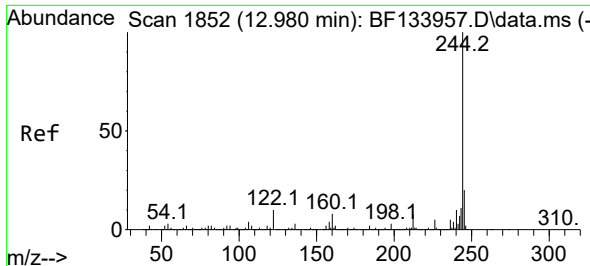
Supervised By :mohammad
ahmed
07/07/2023



#78
Pyrene
Concen: 57.977 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

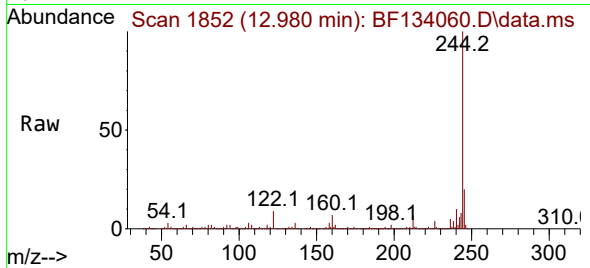
Tgt Ion:202 Resp: 949154
Ion Ratio Lower Upper
202 100
200 20.3 16.1 24.1
203 17.6 14.3 21.5





#79
 Terphenyl-d14
 Concen: 129.157 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MSD

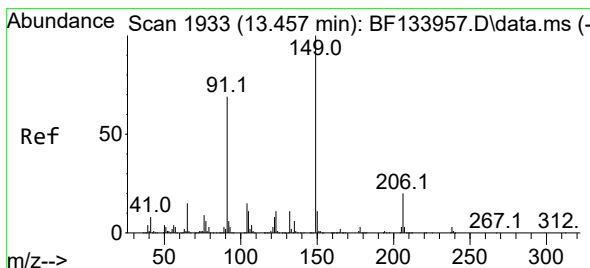
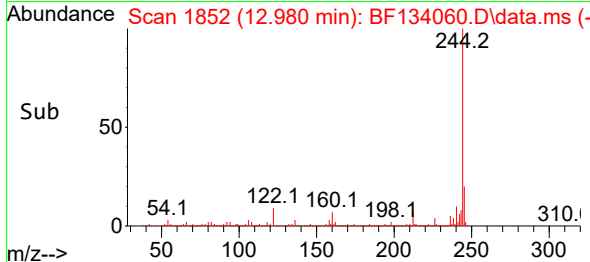
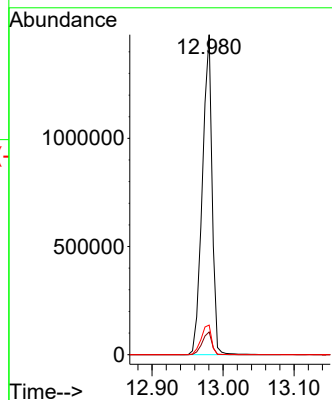


Tgt Ion:244 Resp: 141172
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.0 9.0
 122 9.3 8.3 12.5

Manual Integrations
 APPROVED

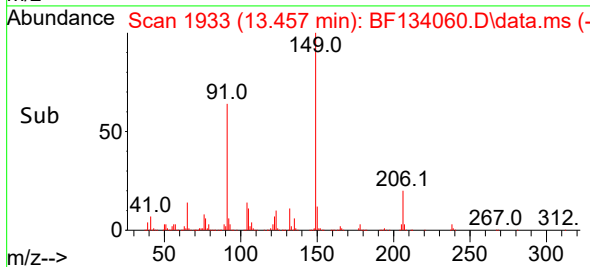
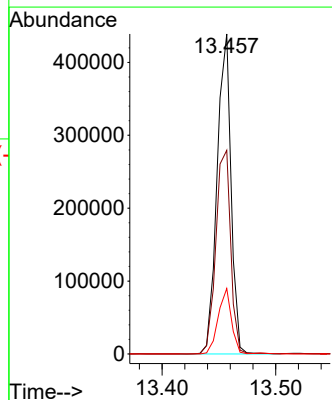
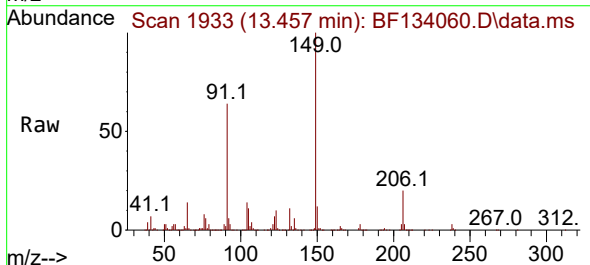
Reviewed By :Yogesh
 Patel
 07/03/2023

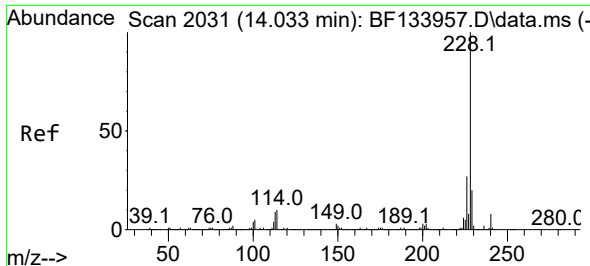
Supervised By :mohammad
 ahmed
 07/07/2023



#80
 Butylbenzylphthalate
 Concen: 61.105 ng
 RT: 13.457 min Scan# 1933
 Delta R.T. 0.000 min
 Lab File: BF134060.D
 Acq: 30 Jun 2023 19:29

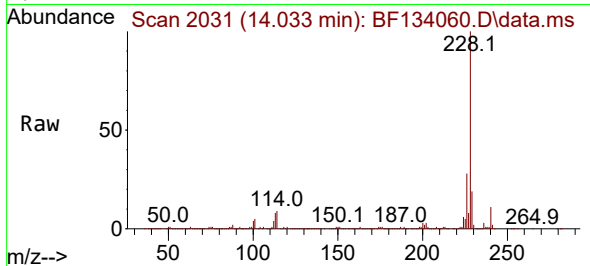
Tgt Ion:149 Resp: 375181
 Ion Ratio Lower Upper
 149 100
 91 63.6 55.1 82.7
 206 20.4 15.7 23.5





#81
Benzo(a)anthracene
Concen: 50.941 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

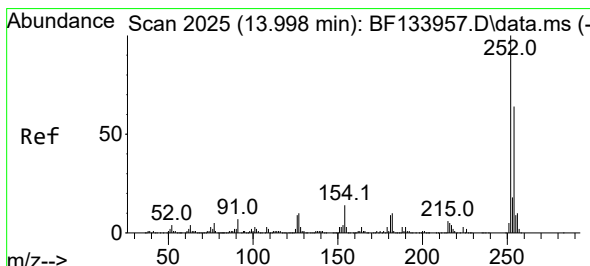
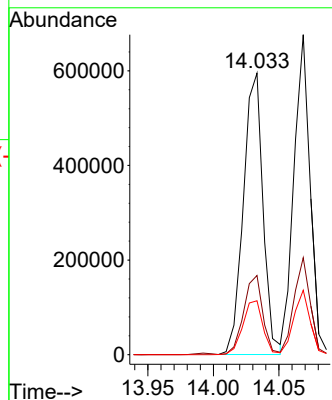
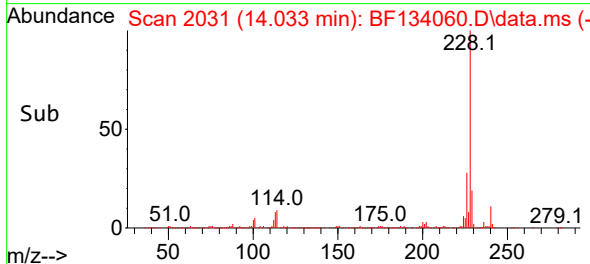


Tgt Ion:228 Resp: 621482
Ion Ratio Lower Upper
228 100
226 28.1 22.0 33.0
229 19.2 16.3 24.5

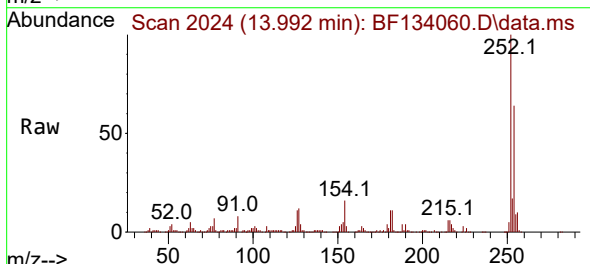
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
07/03/2023

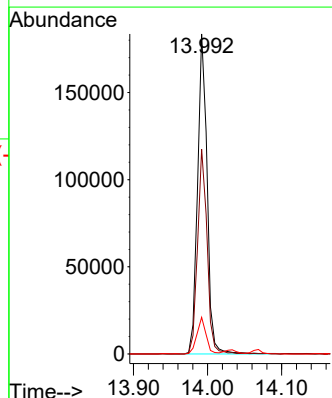
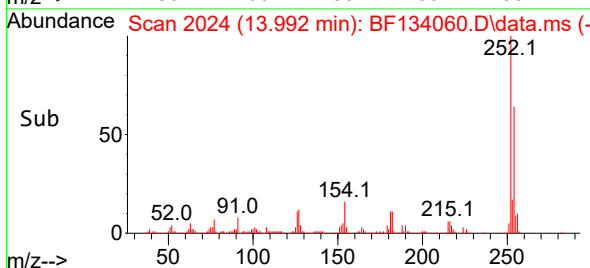
Supervised By :mohammad
ahmed
07/07/2023

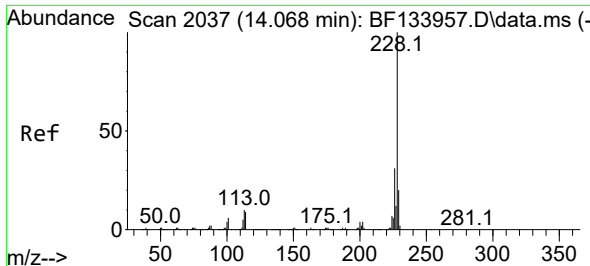


#82
3,3'-Dichlorobenzidine
Concen: 42.348 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29



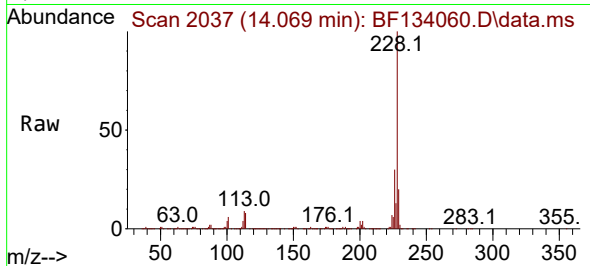
Tgt Ion:252 Resp: 163682
Ion Ratio Lower Upper
252 100
254 64.0 51.4 77.0
126 11.5 7.4 11.2#





#83
Chrysene
Concen: 49.655 ng
RT: 14.069 min Scan# 2037
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

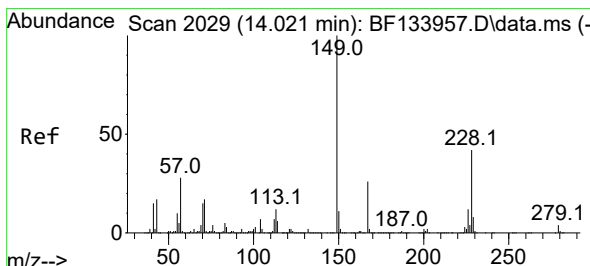
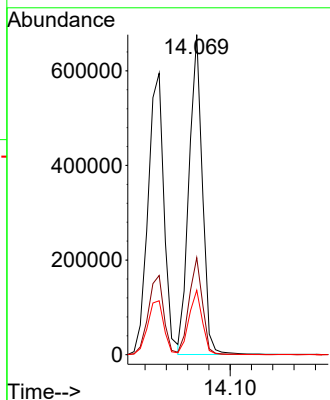
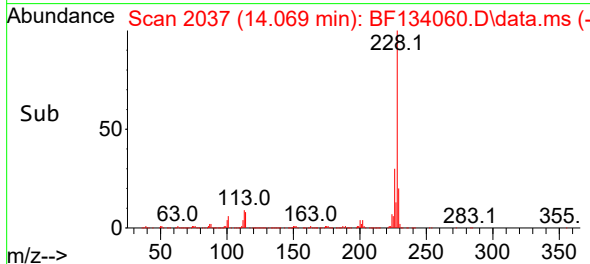


Tgt Ion:228 Resp: 586749
Ion Ratio Lower Upper
228 100
226 30.3 24.4 36.6
229 20.2 16.1 24.1

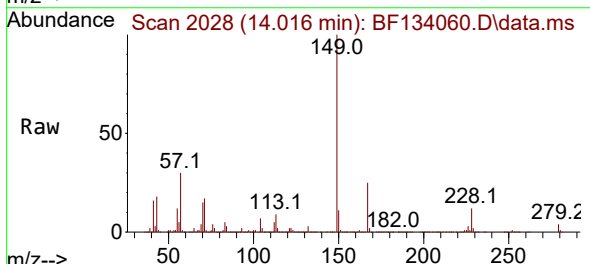
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
07/03/2023

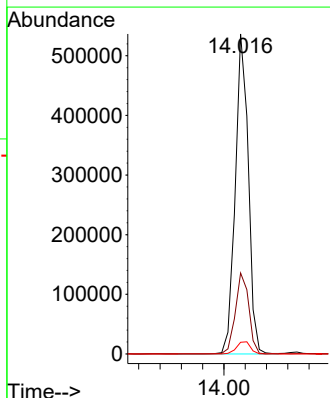
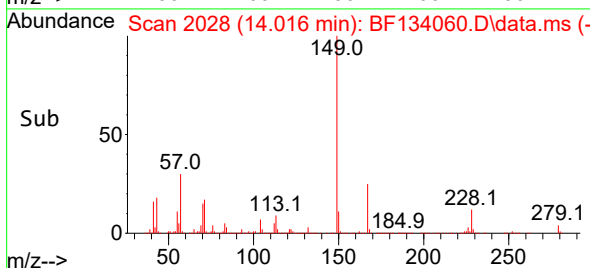
Supervised By :mohammad
ahmed
07/07/2023

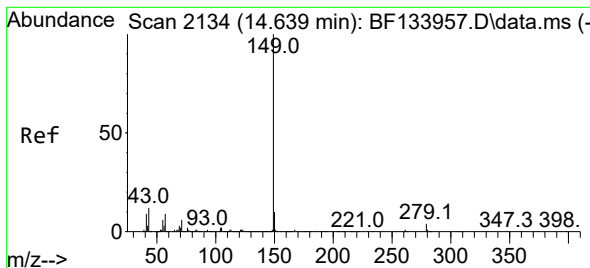


#84
Bis(2-ethylhexyl)phthalate
Concen: 64.830 ng
RT: 14.016 min Scan# 2028
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29



Tgt Ion:149 Resp: 457387
Ion Ratio Lower Upper
149 100
167 25.3 21.0 31.4
279 3.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 67.357 ng

RT: 14.639 min Scan# 2134

Delta R.T. 0.000 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MSD

Tgt Ion:149 Resp: 698260

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.9 9.0 13.4

Manual Integrations

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Reviewed By :Yogesh

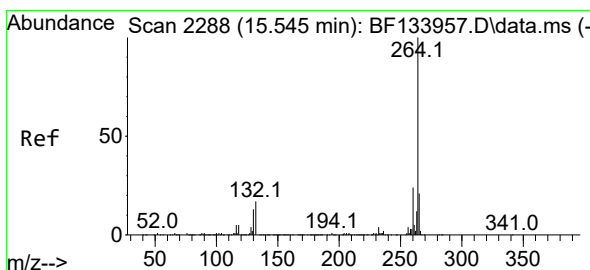
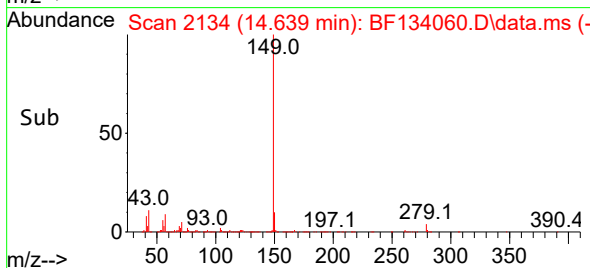
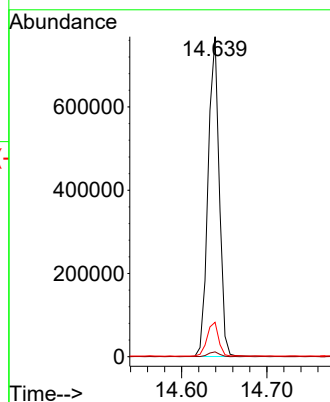
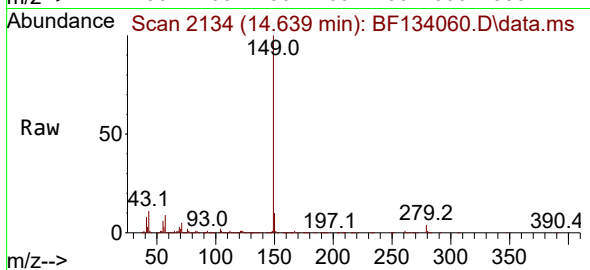
Patel

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Supervised By :mohammad

ahmed

07/07/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 2288

Delta R.T. -0.006 min

Lab File: BF134060.D

Acq: 30 Jun 2023 19:29

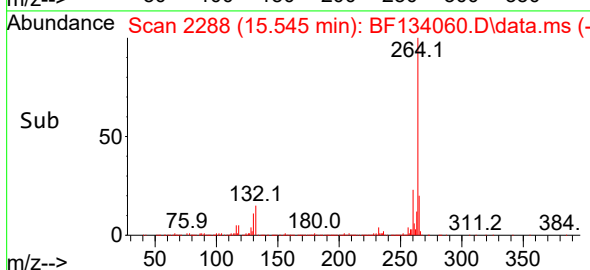
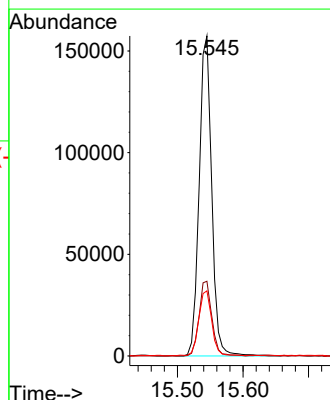
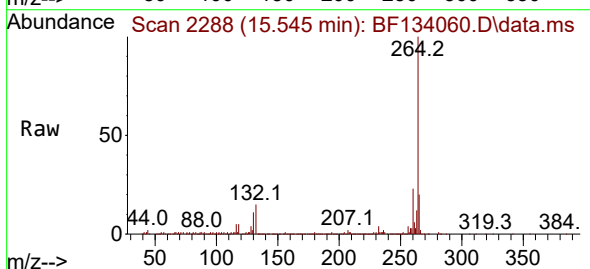
Tgt Ion:264 Resp: 209534

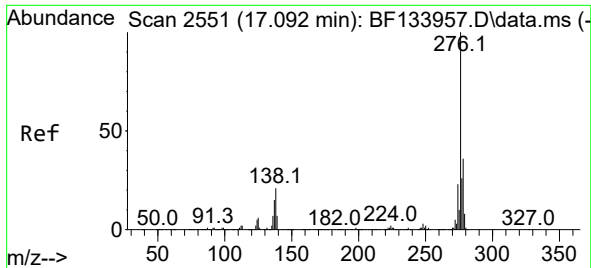
Ion Ratio Lower Upper

264 100

260 23.4 19.5 29.3

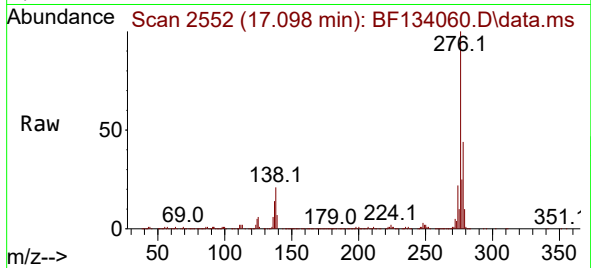
265 20.3 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 57.552 ng
RT: 17.098 min Scan# 2551
Delta R.T. -0.012 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

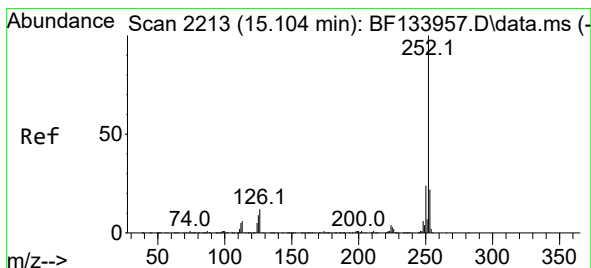
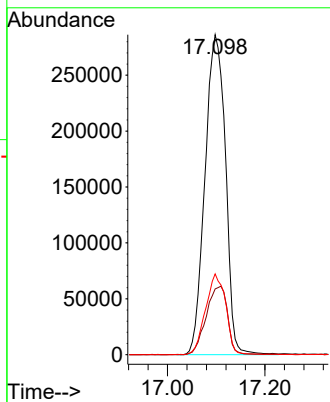
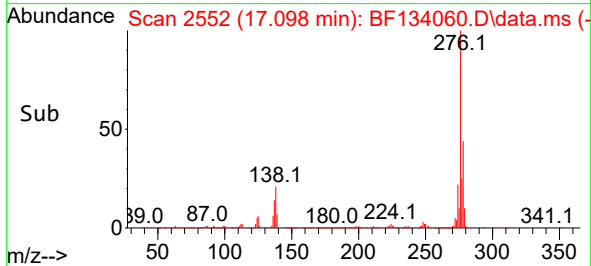


Tgt Ion:276 Resp: 83678
Ion Ratio Lower Upper
276 100
138 22.3 18.7 28.1
277 24.9 19.9 29.9

Manual Integrations
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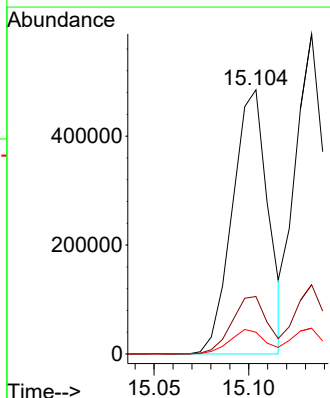
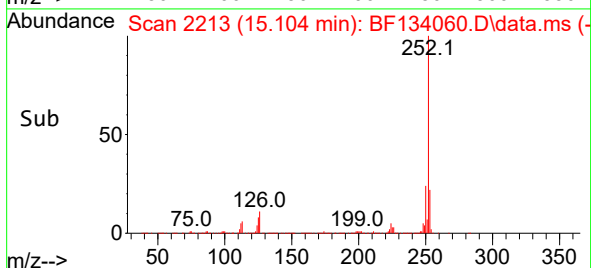
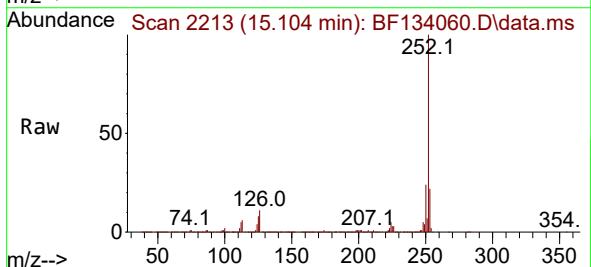
Reviewed By :Yogesh
Patel
07/03/2023

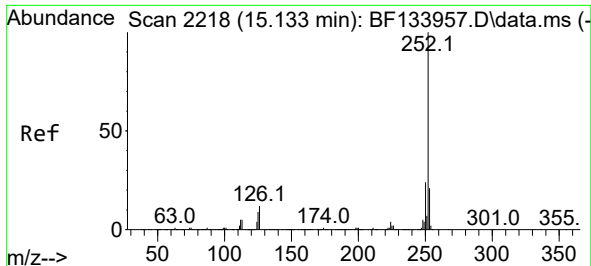
Supervised By :mohammad
ahmed
07/07/2023



#88
Benzo(b)fluoranthene
Concen: 51.610 ng
RT: 15.104 min Scan# 2213
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

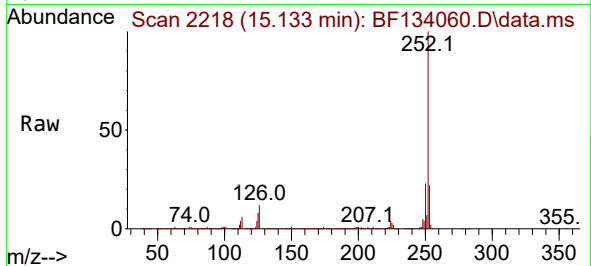
Tgt Ion:252 Resp: 635880
Ion Ratio Lower Upper
252 100
253 21.8 17.4 26.0
125 8.2 7.1 10.7





#89
Benzo(k)fluoranthene
Concen: 50.084 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

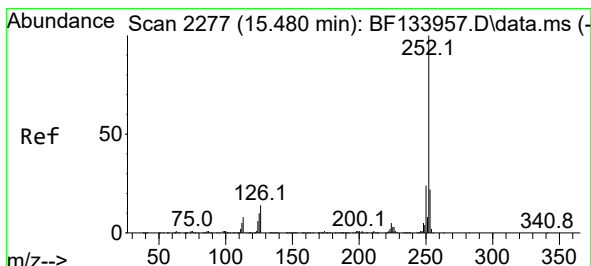
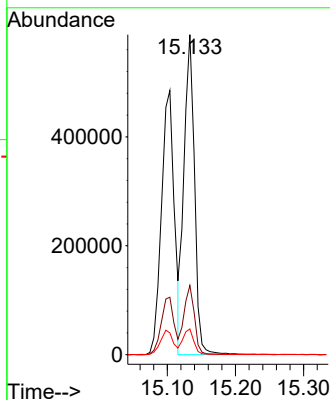
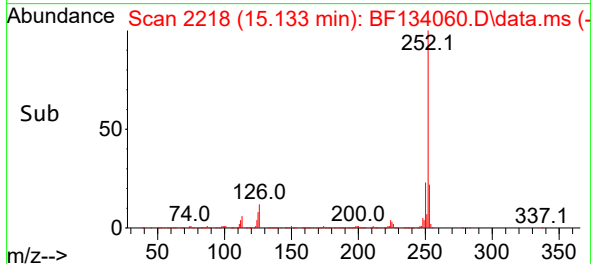


Tgt Ion:252 Resp: 62828
Ion Ratio Lower Upper
252 100
253 21.7 16.9 25.3
125 8.1 7.4 11.2

Manual Integrations
APPROVED

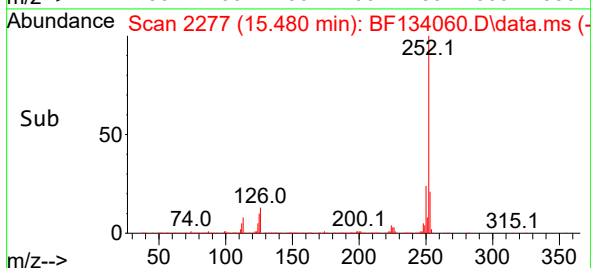
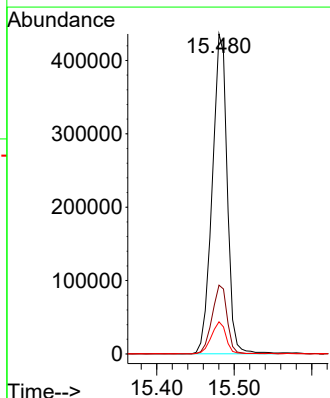
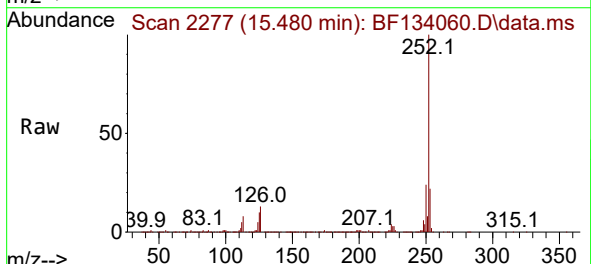
Reviewed By :Yogesh
Patel
07/03/2023

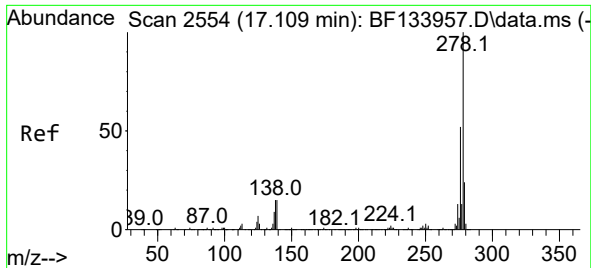
Supervised By :mohammad
ahmed
07/07/2023



#90
Benzo(a)pyrene
Concen: 48.989 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.012 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

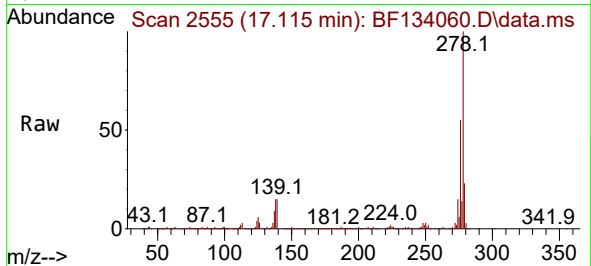
Tgt Ion:252 Resp: 583661
Ion Ratio Lower Upper
252 100
253 21.5 17.4 26.0
125 10.1 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 57.806 ng
RT: 17.115 min Scan# 2555
Delta R.T. -0.012 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MSD

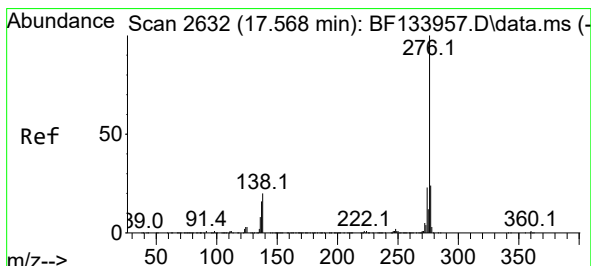
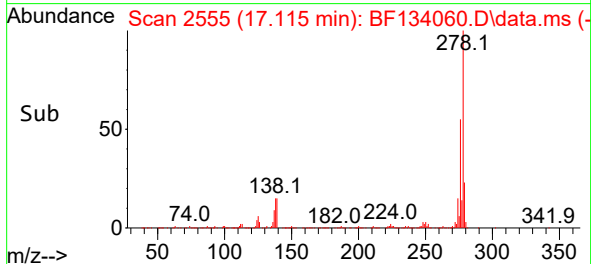
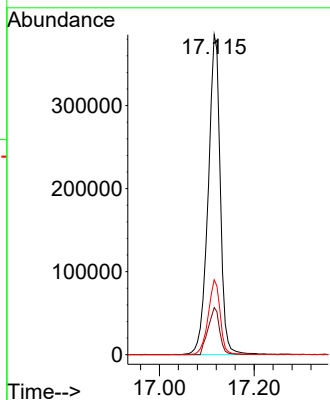


Tgt Ion:278 Resp: 686490
Ion Ratio Lower Upper
278 100
139 14.7 12.2 18.4
279 23.4 19.4 29.2

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel
07/03/2023

Supervised By :mohammad
ahmed
07/07/2023



#92
Benzo(g,h,i)perylene
Concen: 54.393 ng
RT: 17.574 min Scan# 2633
Delta R.T. -0.006 min
Lab File: BF134060.D
Acq: 30 Jun 2023 19:29

Tgt Ion:276 Resp: 666143
Ion Ratio Lower Upper
276 100
277 23.3 19.0 28.6
138 19.0 16.2 24.2

