

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF063023\
 Data File : BF134059.D
 Acq On : 30 Jun 2023 18:53
 Operator : CG\JU
 Sample : 03428-02MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/03/2023
 Supervised By :mohammad ahmed 07/07/2023

Quant Time: Jun 30 19:15:38 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.845	152	102799	20.000	ng	0.00
21) Naphthalene-d8	8.128	136	400175	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	205285	20.000	ng	0.00
64) Phenanthrene-d10	11.380	188	399019	20.000	ng	0.00
76) Chrysene-d12	14.039	240	176919	20.000	ng	-0.01
86) Perylene-d12	15.545	264	217312	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	829247	134.937	ng	0.02
7) Phenol-d6	6.492	99	947122	125.319	ng	0.00
23) Nitrobenzene-d5	7.416	82	742451	100.011	ng	0.00
42) 2,4,6-Tribromophenol	10.686	330	381055	148.048	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1360426	96.350	ng	0.00
79) Terphenyl-d14	12.980	244	1460068	132.821	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.828	88	105791	41.749	ng	# 79
3) Pyridine	3.569	79	252737	38.292	ng	95
4) n-Nitrosodimethylamine	3.498	42	187953	49.859	ng	96
6) Aniline	6.516	93	227696m	24.758	ng	
8) 2-Chlorophenol	6.639	128	327861	52.556	ng	96
9) Benzaldehyde	6.404	77	120789	26.579	ng	99
10) Phenol	6.504	94	340409	42.838	ng	94
11) bis(2-Chloroethyl)ether	6.586	93	299345	51.168	ng	99
12) 1,3-Dichlorobenzene	6.792	146	328337	49.368	ng	97
13) 1,4-Dichlorobenzene	6.863	146	334252	49.757	ng	99
14) 1,2-Dichlorobenzene	7.016	146	319640	50.806	ng	99
15) Benzyl Alcohol	6.992	79	307561	52.788	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.122	45	514716	49.732	ng	94
17) 2-Methylphenol	7.104	107	266883	47.774	ng	98
18) Hexachloroethane	7.357	117	125561	50.409	ng	97
19) n-Nitroso-di-n-propyla...	7.263	70	244150	50.941	ng	98
20) 3+4-Methylphenols	7.257	107	328212	48.429	ng	# 81
22) Acetophenone	7.257	105	458550	50.385	ng	97
24) Nitrobenzene	7.433	77	362423	48.311	ng	96
25) Isophorone	7.669	82	660767	48.975	ng	97
26) 2-Nitrophenol	7.745	139	183736	51.056	ng	95
27) 2,4-Dimethylphenol	7.786	122	299804	52.629	ng	100
28) bis(2-Chloroethoxy)met...	7.875	93	388895	49.780	ng	99
29) 2,4-Dichlorophenol	7.992	162	289248	51.206	ng	96
30) 1,2,4-Trichlorobenzene	8.069	180	289432	49.657	ng	99
31) Naphthalene	8.151	128	918164	47.500	ng	100
32) Benzoic acid	7.945	122	184343	43.186	ng	97
33) 4-Chloroaniline	8.198	127	145882	17.643	ng	98
34) Hexachlorobutadiene	8.263	225	183816	49.995	ng	99
35) Caprolactam	8.580	113	81047m	43.575	ng	
36) 4-Chloro-3-methylphenol	8.692	107	320665	50.532	ng	99
37) 2-Methylnaphthalene	8.845	142	631109	46.170	ng	98
38) 1-Methylnaphthalene	8.945	142	597196	46.996	ng	99
40) 1,2,4,5-Tetrachloroben...	9.010	216	301087	49.505	ng	98
41) Hexachlorocyclopentadiene	8.992	237	317885	110.171	ng	99
43) 2,4,6-Trichlorophenol	9.127	196	207915	50.219	ng	98

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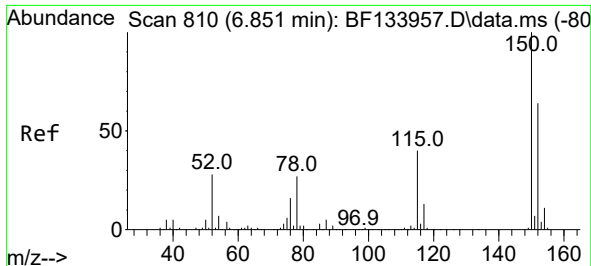
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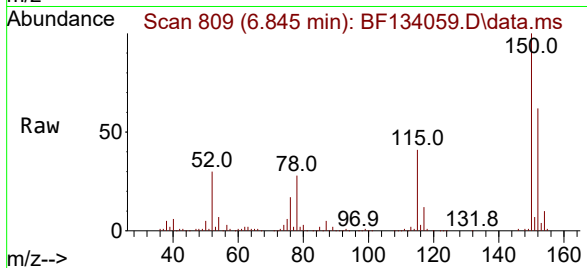
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.169	196	228945	47.011	ng	97
46) 1,1'-Biphenyl	9.310	154	807915	49.062	ng	98
47) 2-Chloronaphthalene	9.333	162	552562	45.862	ng	96
48) 2-Nitroaniline	9.433	65	223668	50.937	ng	97
49) Acenaphthylene	9.751	152	1004539	48.807	ng	99
50) Dimethylphthalate	9.616	163	755535	50.701	ng	100
51) 2,6-Dinitrotoluene	9.680	165	167513	52.192	ng	98
52) Acenaphthene	9.922	154	592619	49.622	ng	100
53) 3-Nitroaniline	9.845	138	117041	30.397	ng	98
54) 2,4-Dinitrophenol	9.963	184	163472	87.798	ng	93
55) Dibenzofuran	10.098	168	904372	48.454	ng	99
56) 4-Nitrophenol	10.022	139	229011	85.029	ng	94
57) 2,4-Dinitrotoluene	10.086	165	217982	51.427	ng	90
58) Fluorene	10.439	166	724329	49.882	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.216	232	196230	51.082	ng	97
60) Diethylphthalate	10.316	149	797564	51.372	ng	99
61) 4-Chlorophenyl-phenyle...	10.433	204	345615	49.389	ng	99
62) 4-Nitroaniline	10.469	138	176103	45.382	ng	93
63) Azobenzene	10.592	77	737361	50.210	ng	96
65) 4,6-Dinitro-2-methylph...	10.498	198	112269	51.608	ng	91
66) n-Nitrosodiphenylamine	10.557	169	647444	50.785	ng	99
67) 4-Bromophenyl-phenylether	10.921	248	222614	52.490	ng	92
68) Hexachlorobenzene	10.992	284	246921	54.834	ng	94
69) Atrazine	11.086	200	209246	59.337	ng	99
70) Pentachlorophenol	11.186	266	234629	87.143	ng	99
71) Phenanthrene	11.410	178	1005036	50.033	ng	100
72) Anthracene	11.463	178	1045331	50.032	ng	100
73) Carbazole	11.616	167	933430	48.810	ng	98
74) Di-n-butylphthalate	11.945	149	1224261	53.834	ng	99
75) Fluoranthene	12.604	202	984404	45.330	ng	99
77) Benzidine	12.727	184	200887	47.720	ng	98
78) Pyrene	12.833	202	960782	58.354	ng	99
80) Butylbenzylphthalate	13.457	149	377812	61.184	ng	97
81) Benzo(a)anthracene	14.033	228	619519	50.492	ng	99
82) 3,3'-Dichlorobenzidine	13.992	252	159062	40.919	ng	# 96
83) Chrysene	14.068	228	582132	48.985	ng	99
84) Bis(2-ethylhexyl)phtha...	14.015	149	456988	64.405	ng	99
85) Di-n-octyl phthalate	14.639	149	693773	66.543	ng	99
87) Indeno(1,2,3-cd)pyrene	17.098	276	866272	57.448	ng	98
88) Benzo(b)fluoranthene	15.104	252	653386	51.133	ng	99
89) Benzo(k)fluoranthene	15.133	252	623725	47.942	ng	98
90) Benzo(a)pyrene	15.480	252	602367	48.750	ng	99
91) Dibenzo(a,h)anthracene	17.121	278	710642	57.698	ng	97
92) Benzo(g,h,i)perylene	17.574	276	698956	55.030	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: BF134059.D
Acq: 30 Jun 2023 18:53

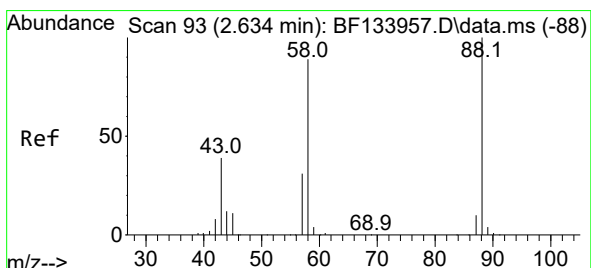
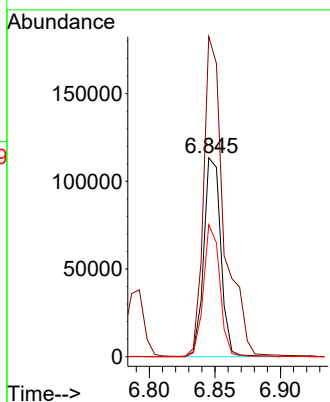
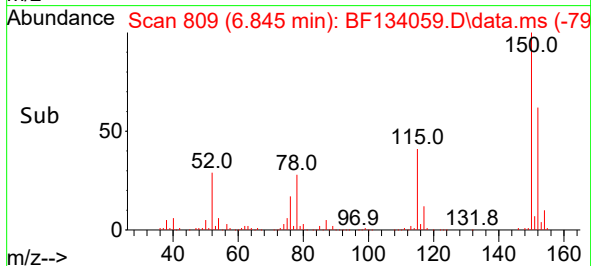
Instrument :
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Tgt Ion:152 Resp: 102799
Ion Ratio Lower Upper
152 100
150 160.9 124.5 186.7
115 66.4 50.2 75.2

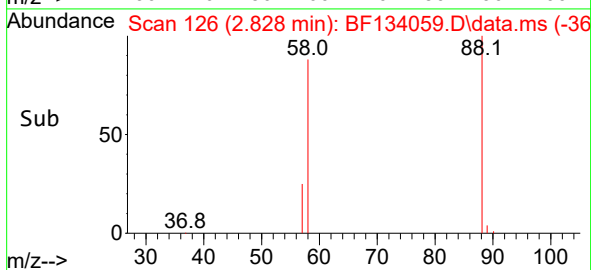
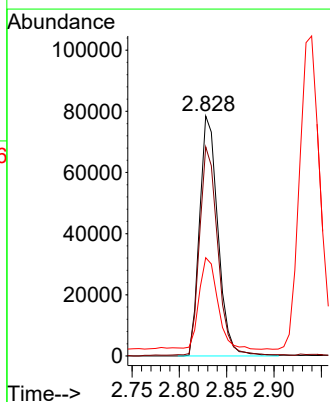
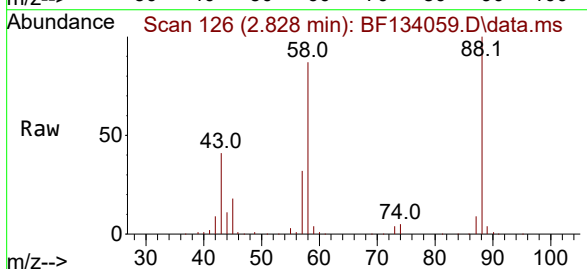
Manual Integrations
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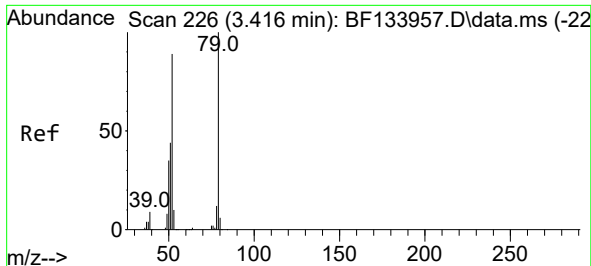
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#2
1,4-Dioxane
Concen: 41.749 ng
RT: 2.828 min Scan# 126
Delta R.T. 0.182 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

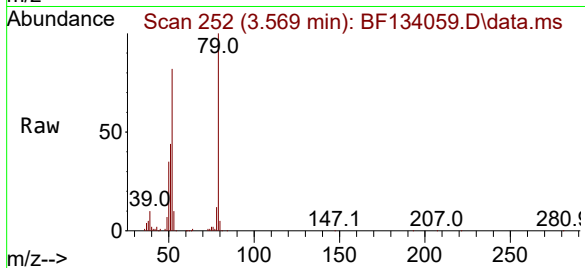
Tgt Ion: 88 Resp: 105791
Ion Ratio Lower Upper
88 100
58 88.0 68.8 103.2
43 0.0 30.7 46.1#





#3
 Pyridine
 Concen: 38.292 ng
 RT: 3.569 min Scan# 21
 Delta R.T. 0.135 min
 Lab File: BF134059.D
 Acq: 30 Jun 2023 18:53

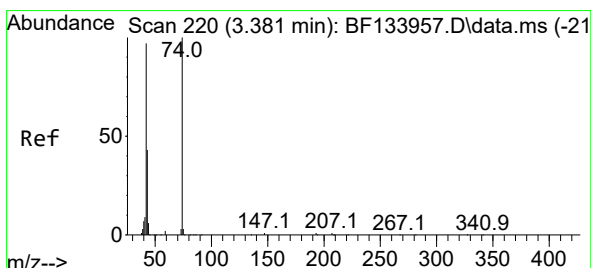
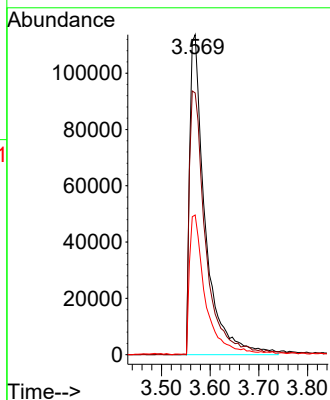
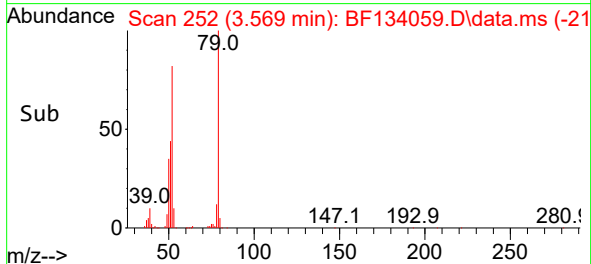
Instrument :
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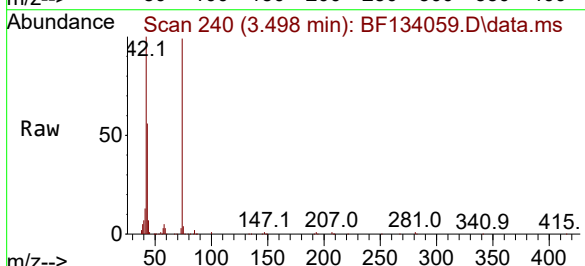
Tgt Ion: 79 Resp: 25273
 Ion Ratio Lower Upper
 79 100
 52 81.8 71.1 106.7
 51 43.7 35.2 52.8

Manual Integrations
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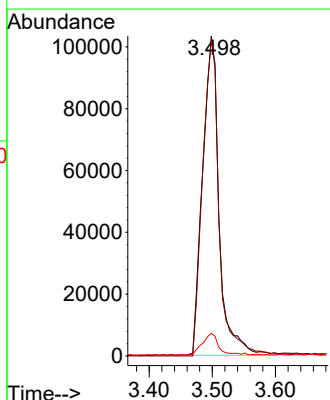
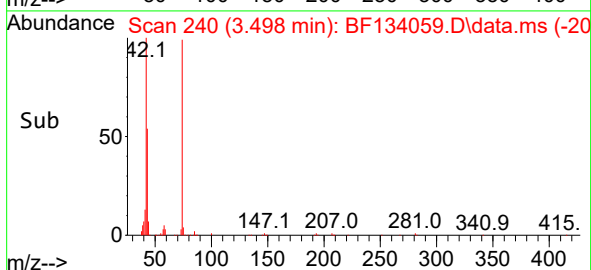
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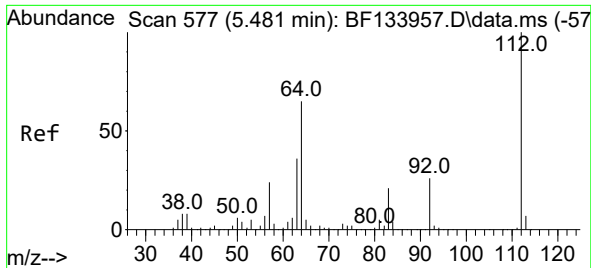


#4
 n-Nitrosodimethylamine
 Concen: 49.859 ng
 RT: 3.498 min Scan# 240
 Delta R.T. 0.094 min
 Lab File: BF134059.D
 Acq: 30 Jun 2023 18:53



Tgt Ion: 42 Resp: 187953
 Ion Ratio Lower Upper
 42 100
 74 98.8 82.4 123.6
 44 7.1 4.9 7.3





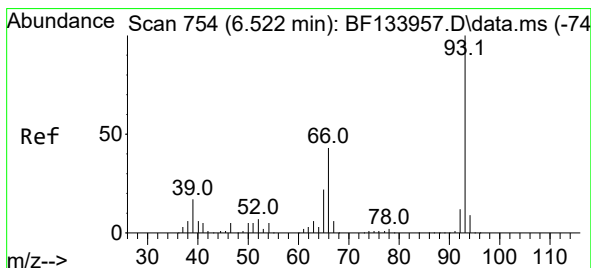
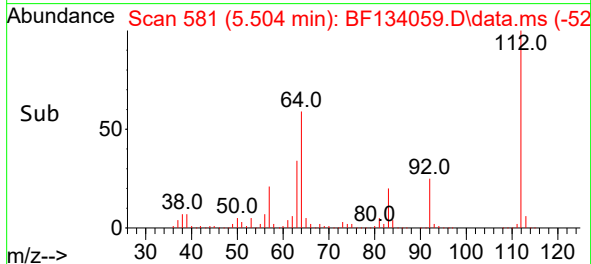
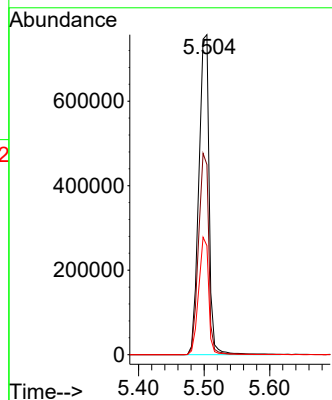
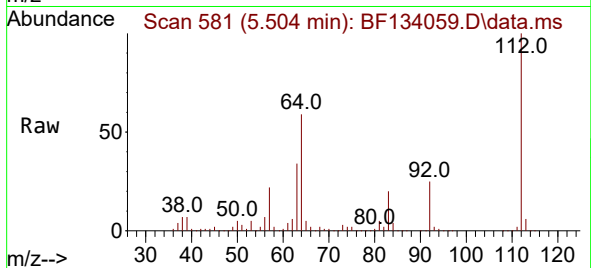
#5
2-Fluorophenol
Concen: 134.937 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.017 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

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ClientSampleId :
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Tgt Ion:112 Resp: 82924
Ion Ratio Lower Upper
112 100
64 59.4 52.1 78.1
63 34.0 28.6 42.8

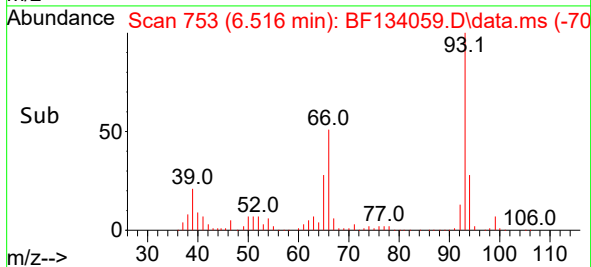
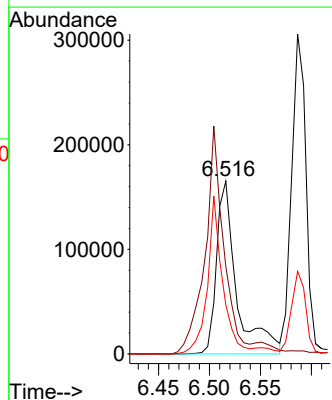
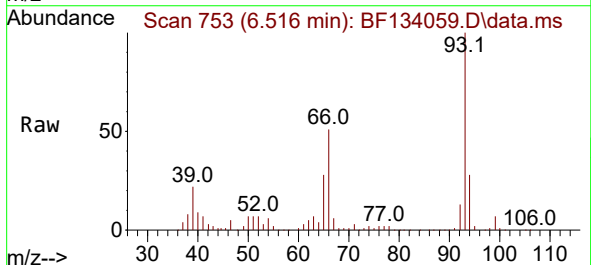
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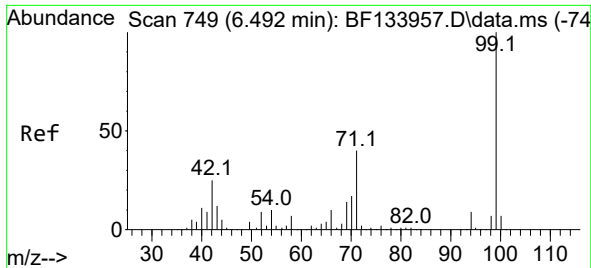
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#6
Aniline
Concen: 24.758 ng m
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

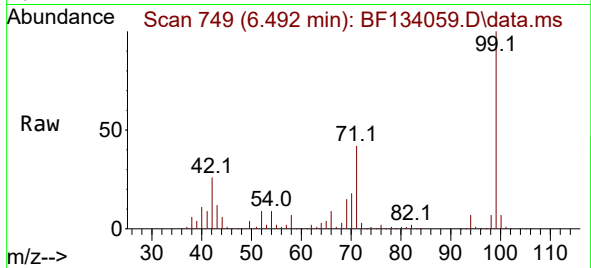
Tgt Ion: 93 Resp: 227696
Ion Ratio Lower Upper
93 100
66 50.7 34.5 51.7
65 28.4 17.8 26.6





#7
Phenol-d6
Concen: 125.319 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

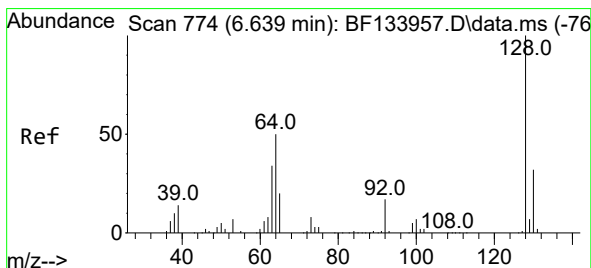
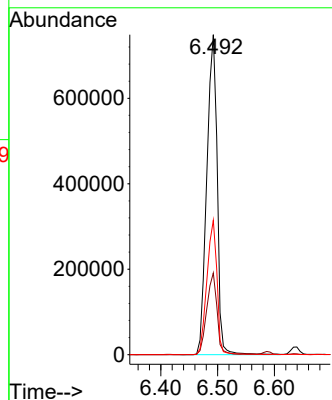
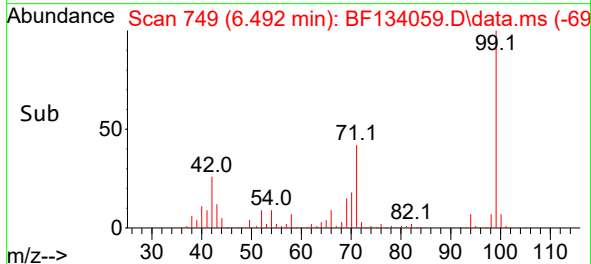
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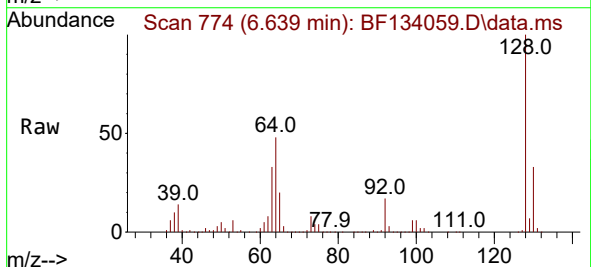
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Ion Ratio Lower Upper
99 100
42 25.5 19.8 29.6
71 42.0 31.9 47.9

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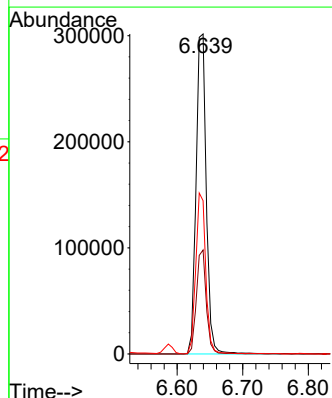
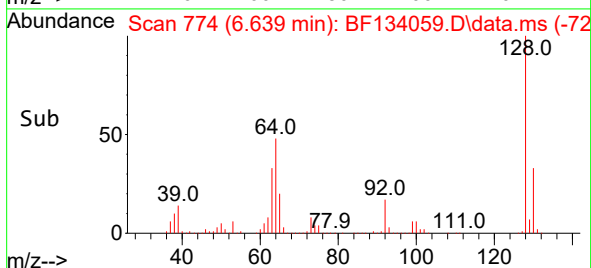
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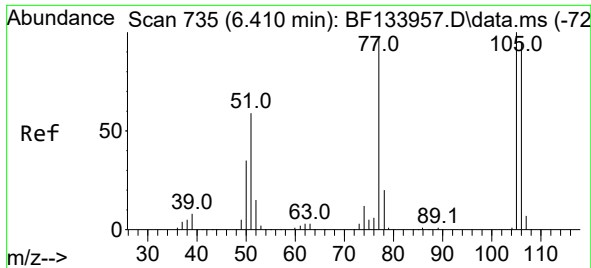


#8
2-Chlorophenol
Concen: 52.556 ng
RT: 6.639 min Scan# 774
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



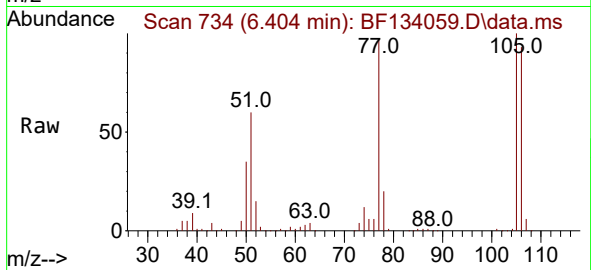
Tgt Ion:128 Resp: 327861
Ion Ratio Lower Upper
128 100
130 32.5 11.7 51.7
64 47.9 31.3 71.3





#9
Benzaldehyde
Concen: 26.579 ng
RT: 6.404 min Scan# 734
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

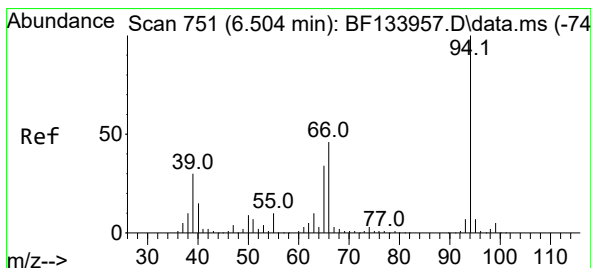
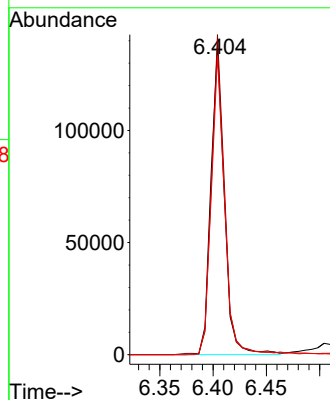
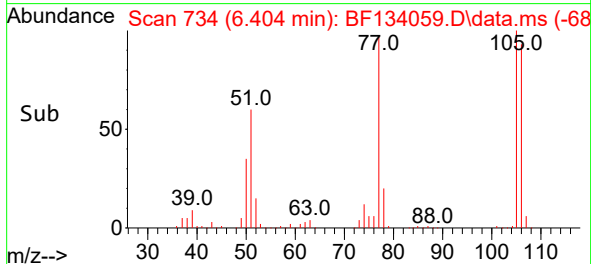
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 77 Resp: 120789
Ion Ratio Lower Upper
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105 103.3 82.0 122.0
106 96.6 76.9 116.9

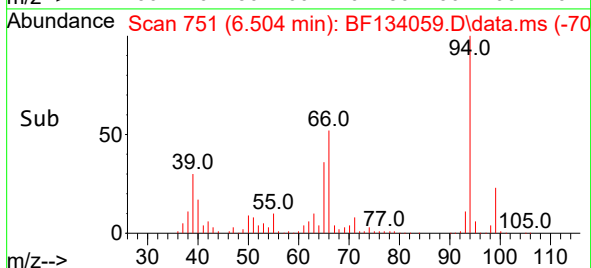
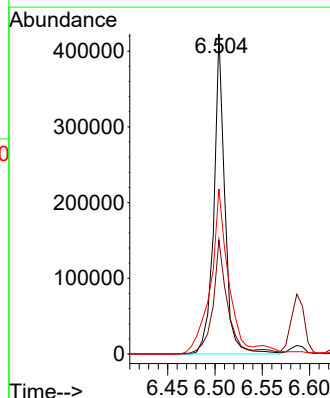
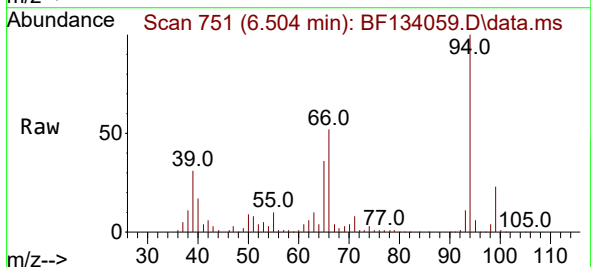
Manual Integrations
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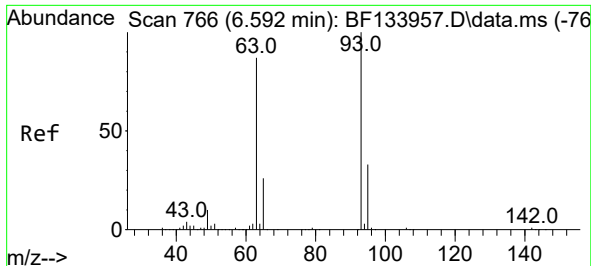
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#10
Phenol
Concen: 42.838 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

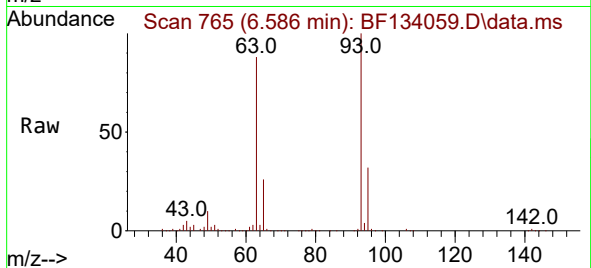
Tgt Ion: 94 Resp: 340409
Ion Ratio Lower Upper
94 100
65 35.7 14.2 54.2
66 51.5 26.4 66.4





#11
bis(2-Chloroethyl)ether
Concen: 51.168 ng
RT: 6.586 min Scan# 765
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

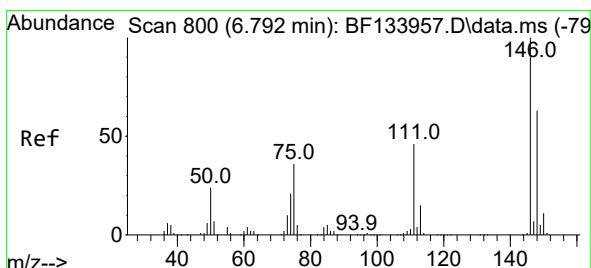
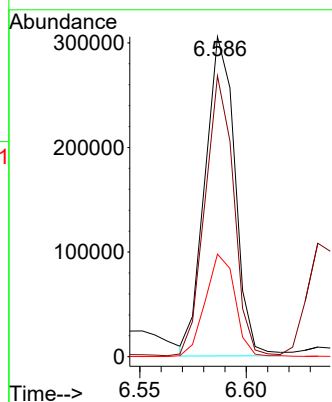
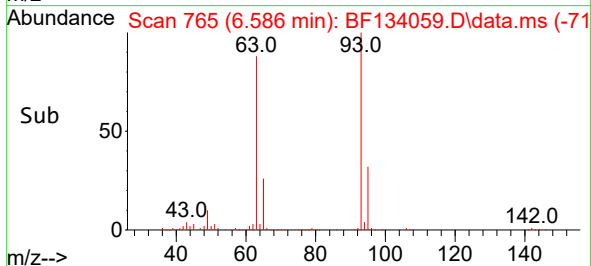
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion: 93 Resp: 299345
Ion Ratio Lower Upper
93 100
63 87.8 66.5 106.5
95 32.1 12.9 52.9

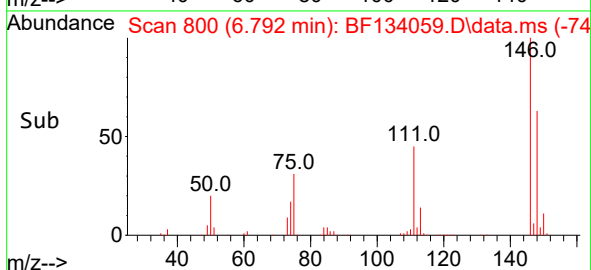
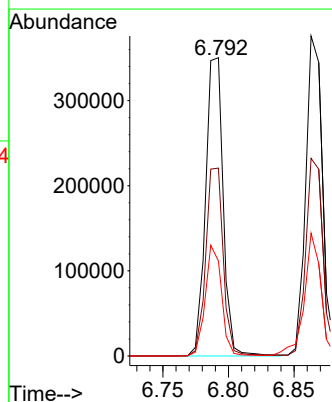
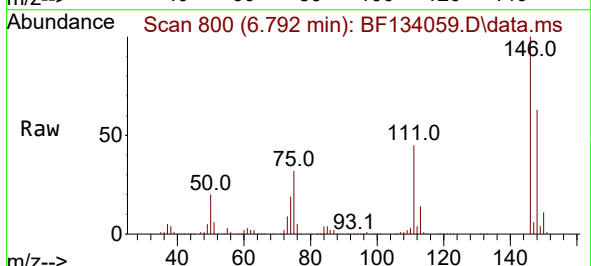
Manual Integrations
APPROVED

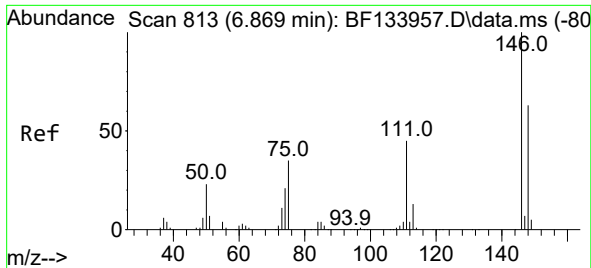
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#12
1,3-Dichlorobenzene
Concen: 49.368 ng
RT: 6.792 min Scan# 800
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

Tgt Ion:146 Resp: 328337
Ion Ratio Lower Upper
146 100
148 63.0 50.5 75.7
75 31.8 29.0 43.6





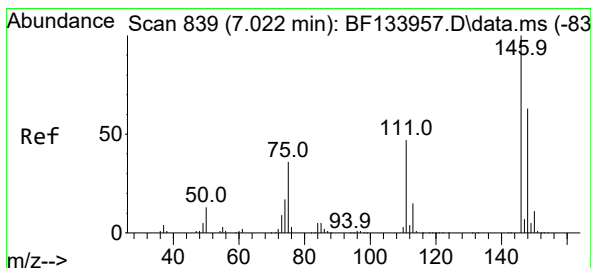
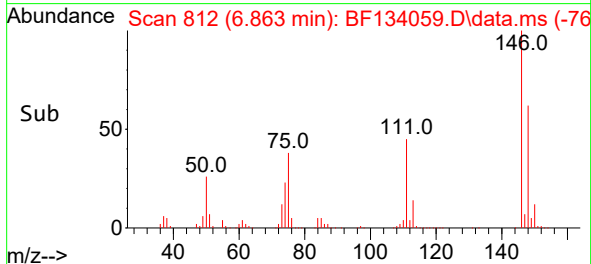
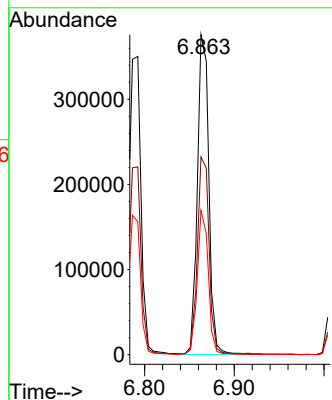
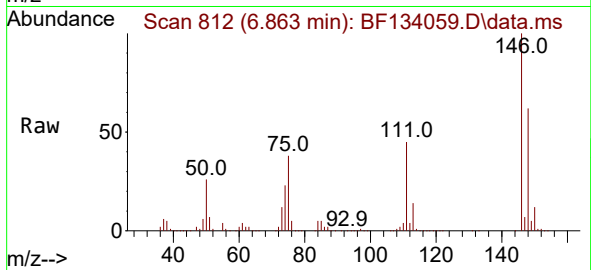
#13
1,4-Dichlorobenzene
Concen: 49.757 ng
RT: 6.863 min Scan# 813
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

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

Tgt Ion:146 Resp: 33425
Ion Ratio Lower Upper
146 100
148 61.8 50.2 75.2
111 45.1 35.8 53.6

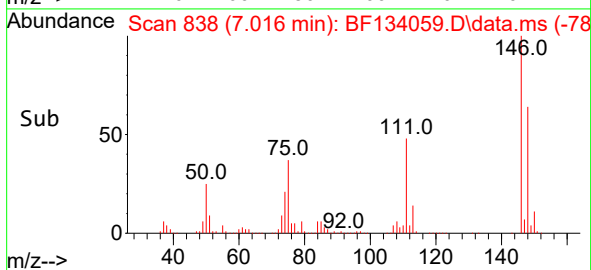
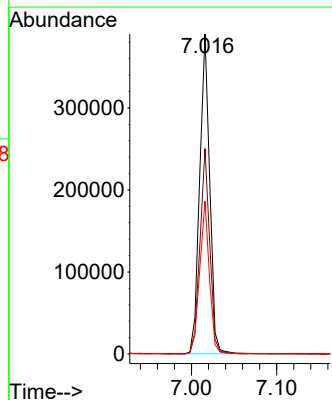
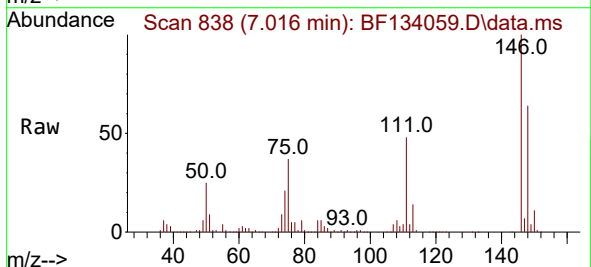
Manual Integrations
APPROVED

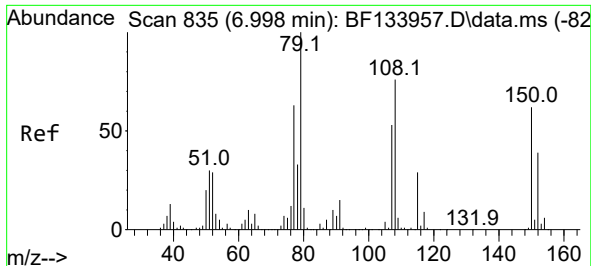
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#14
1,2-Dichlorobenzene
Concen: 50.806 ng
RT: 7.016 min Scan# 838
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

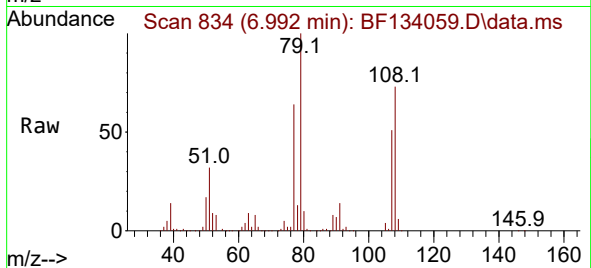
Tgt Ion:146 Resp: 319640
Ion Ratio Lower Upper
146 100
148 64.2 50.6 76.0
111 47.8 38.0 57.0





#15
Benzyl Alcohol
Concen: 52.788 ng
RT: 6.992 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

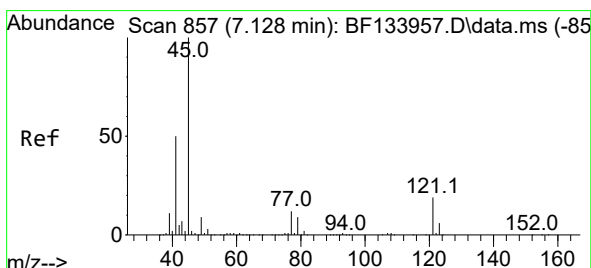
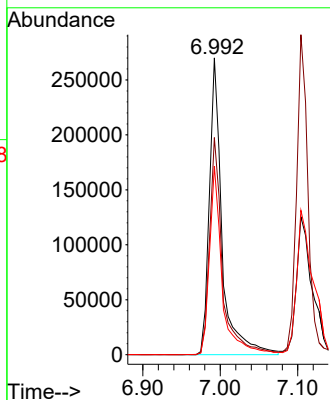
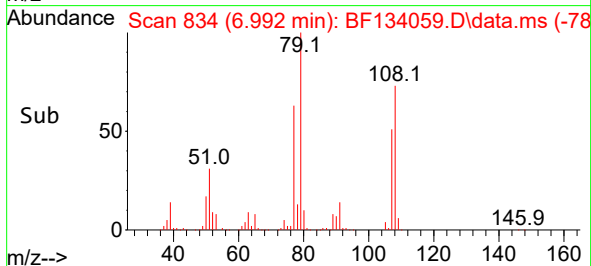
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion: 79 Resp: 30756
Ion Ratio Lower Upper
79 100
108 73.2 60.7 91.1
77 63.5 50.6 75.8

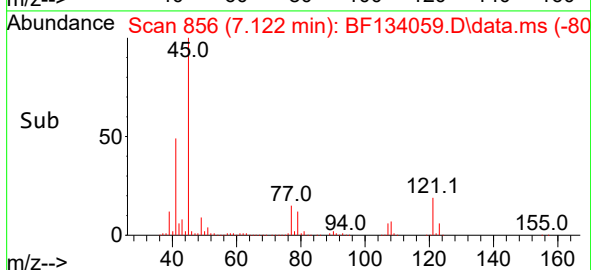
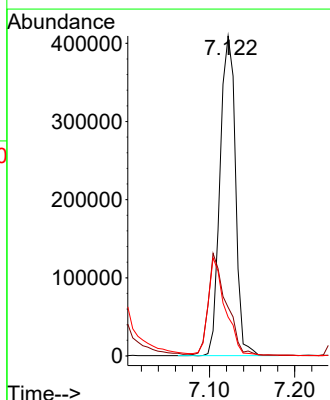
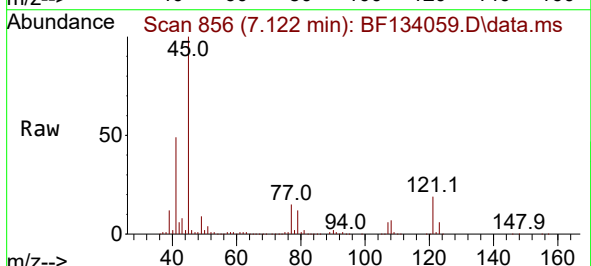
Manual Integrations
APPROVED

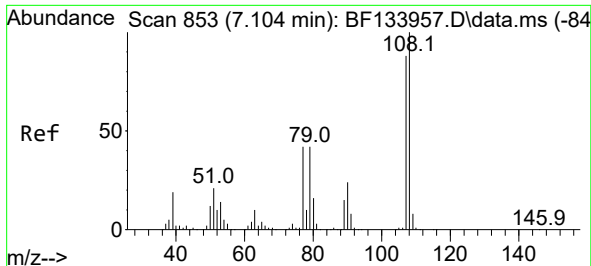
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.732 ng
RT: 7.122 min Scan# 856
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

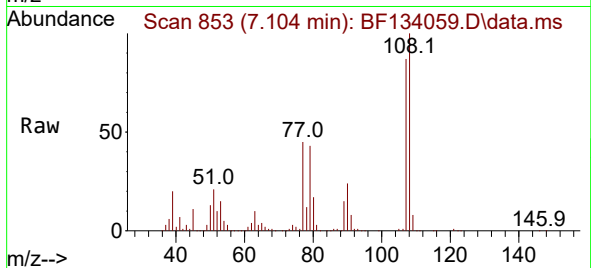
Tgt Ion: 45 Resp: 514716
Ion Ratio Lower Upper
45 100
77 15.2 0.0 32.9
79 12.2 0.0 29.5





#17
2-Methylphenol
Concen: 47.774 ng
RT: 7.104 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

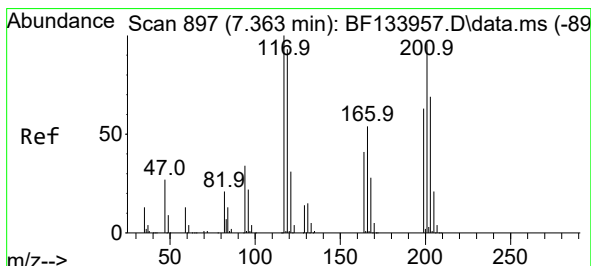
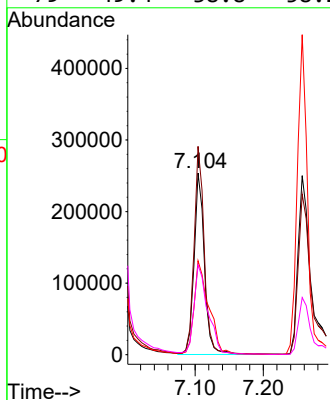
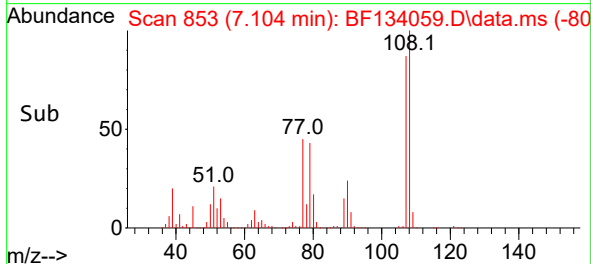
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion:107 Resp: 26688
Ion Ratio Lower Upper
107 100
108 114.8 90.6 136.0
77 51.7 38.3 57.5
79 49.4 38.8 58.2

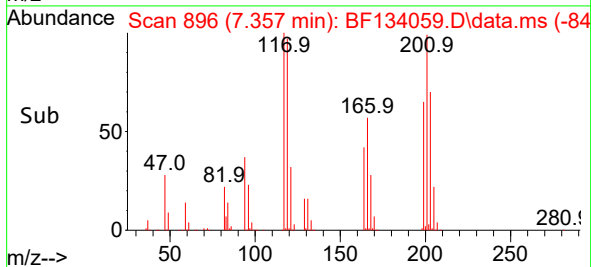
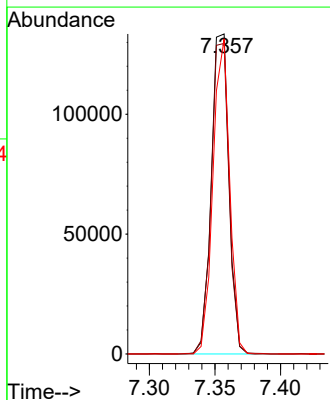
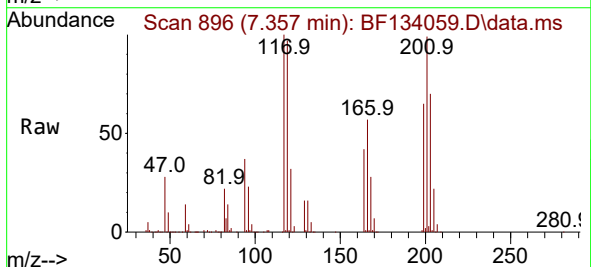
Manual Integrations
APPROVED

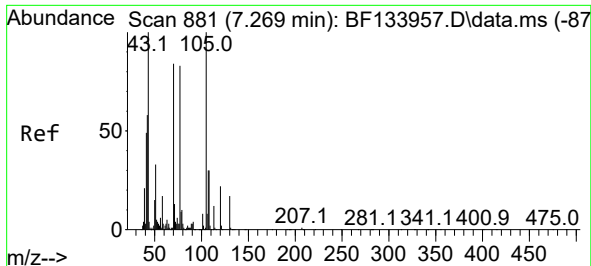
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#18
Hexachloroethane
Concen: 50.409 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

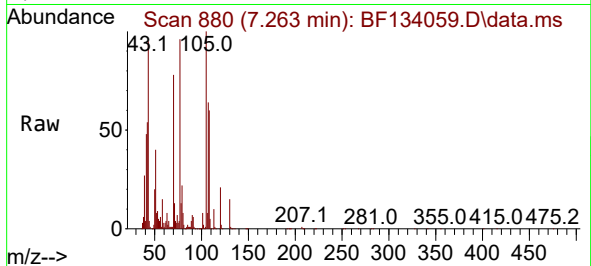
Tgt Ion:117 Resp: 125561
Ion Ratio Lower Upper
117 100
119 97.0 74.2 111.4
201 98.5 77.2 115.8





#19
n-Nitroso-di-n-propylamine
Concen: 50.941 ng
RT: 7.263 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

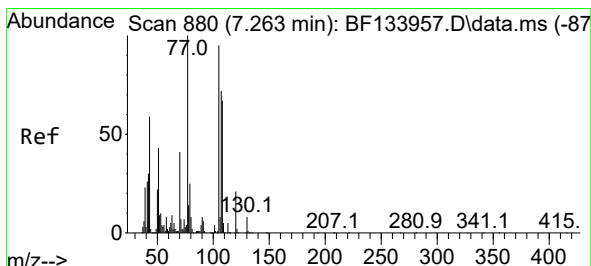
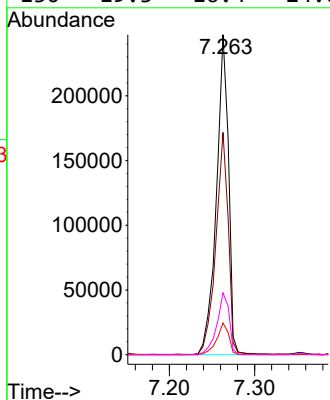
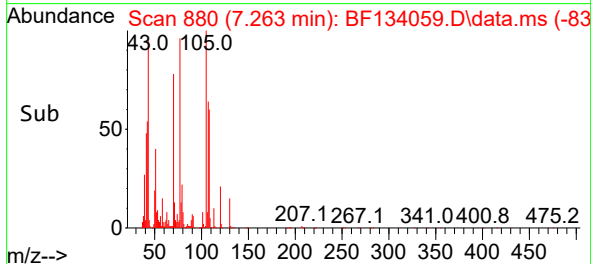
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



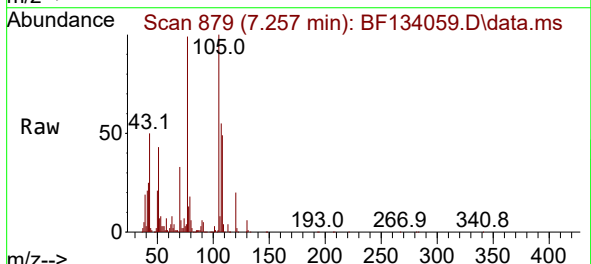
Tgt Ion: 70 Resp: 244150
Ion Ratio Lower Upper
70 100
42 69.5 54.7 82.1
101 9.9 7.7 11.5
130 19.3 16.4 24.6

Manual Integrations
APPROVED

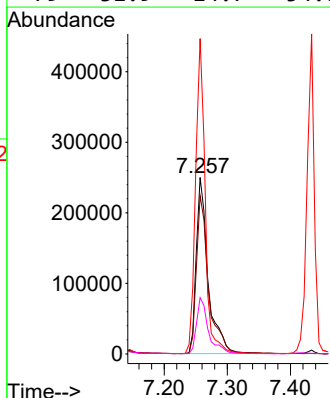
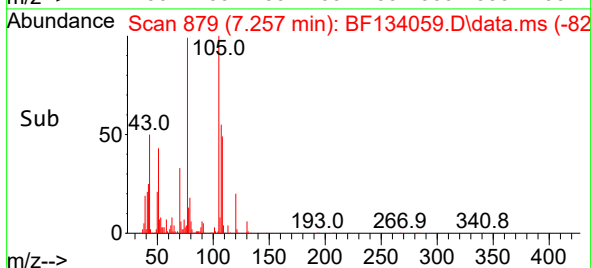
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

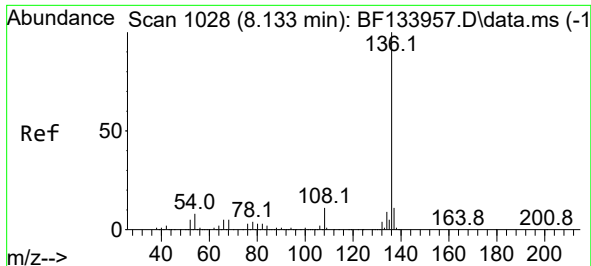


#20
3+4-Methylphenols
Concen: 48.429 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



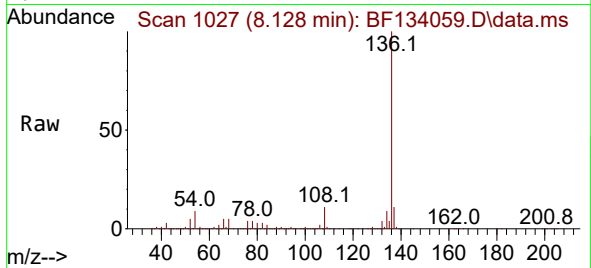
Tgt Ion:107 Resp: 328212
Ion Ratio Lower Upper
107 100
108 89.6 73.2 113.2
77 178.7 118.3 158.3#
79 31.9 14.7 54.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.128 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

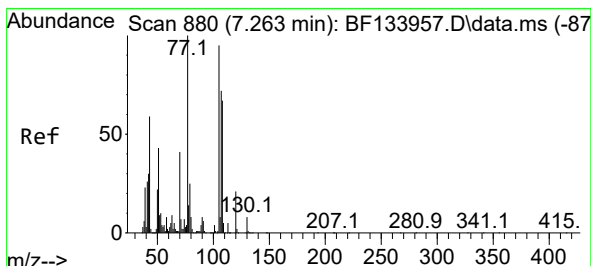
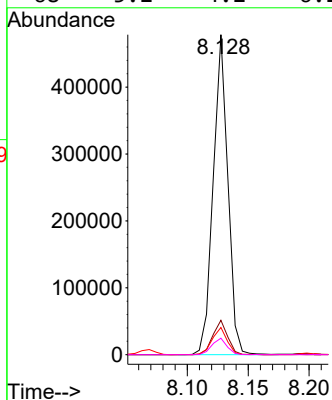
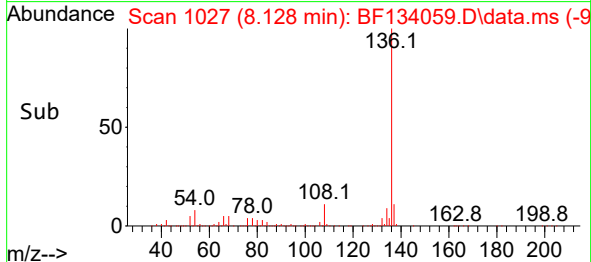
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion:136 Resp: 400175
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 8.5 6.5 9.7
68 5.2 4.2 6.2

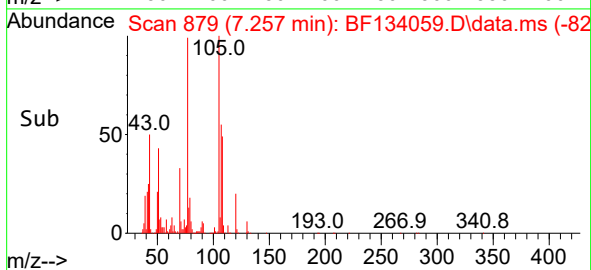
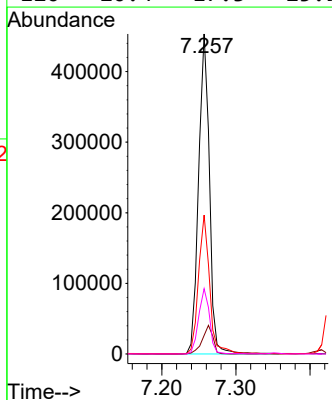
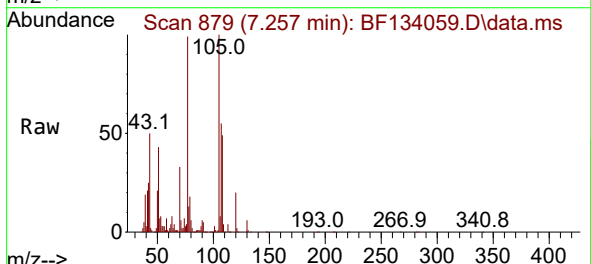
Manual Integrations
APPROVED

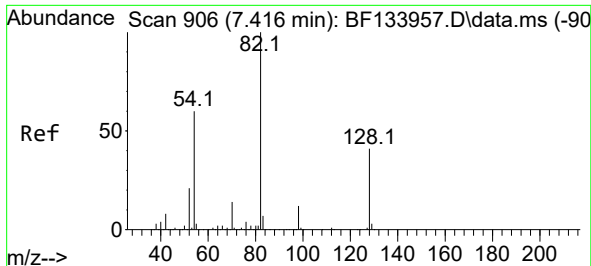
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#22
Acetophenone
Concen: 50.385 ng
RT: 7.257 min Scan# 879
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

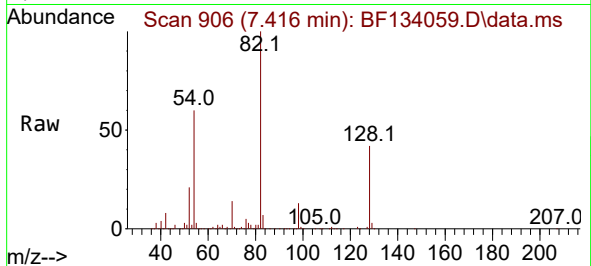
Tgt Ion:105 Resp: 458550
Ion Ratio Lower Upper
105 100
71 5.8 5.5 8.3
51 43.4 36.5 54.7
120 20.4 17.3 25.9





#23
Nitrobenzene-d5
Concen: 100.011 ng
RT: 7.416 min Scan# 906
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

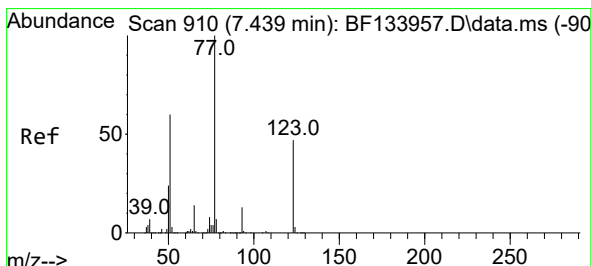
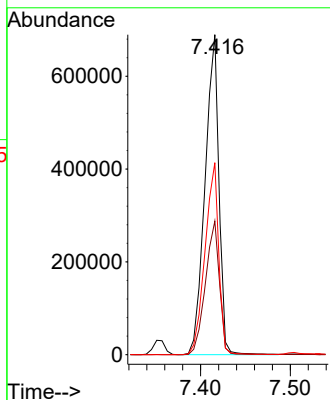
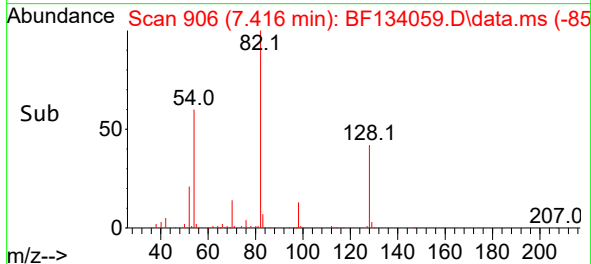
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



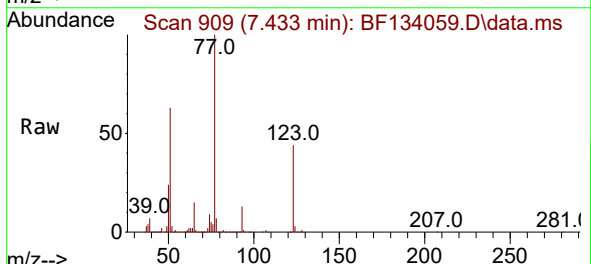
Tgt Ion: 82 Resp: 74245
Ion Ratio Lower Upper
82 100
128 41.8 32.5 48.7
54 60.0 48.2 72.2

Manual Integrations
APPROVED

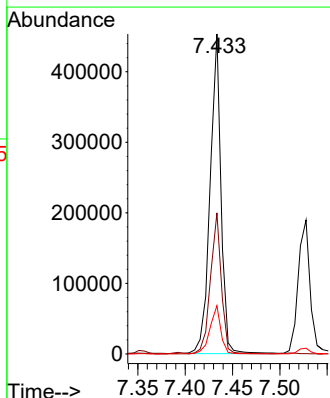
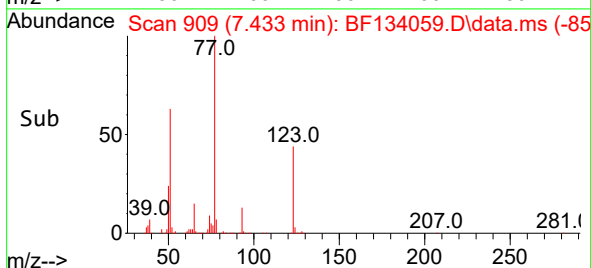
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

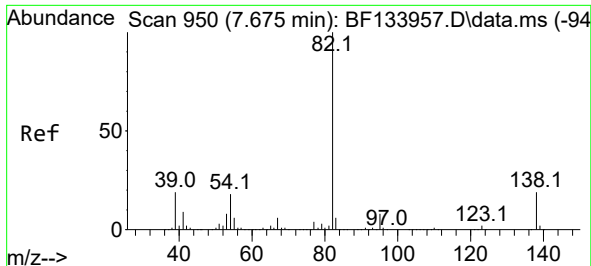


#24
Nitrobenzene
Concen: 48.311 ng
RT: 7.433 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



Tgt Ion: 77 Resp: 362423
Ion Ratio Lower Upper
77 100
123 44.1 37.8 56.6
65 15.1 11.3 16.9





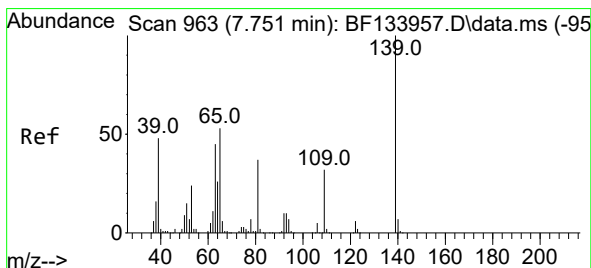
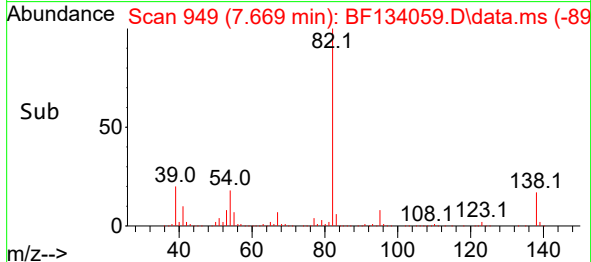
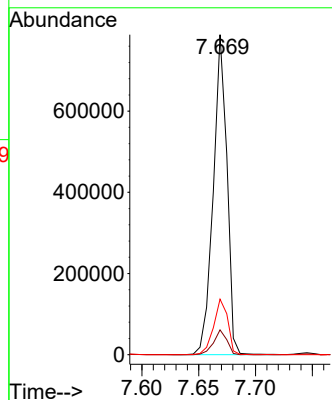
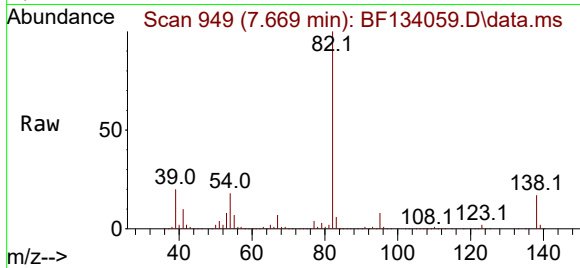
#25
Isophorone
Concen: 48.975 ng
RT: 7.669 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

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

Tgt Ion: 82 Resp: 66076
Ion Ratio Lower Upper
82 100
95 7.8 6.1 9.1
138 17.3 15.2 22.8

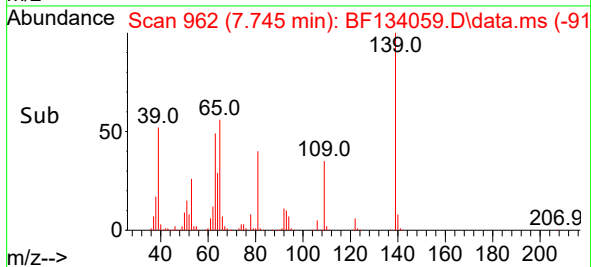
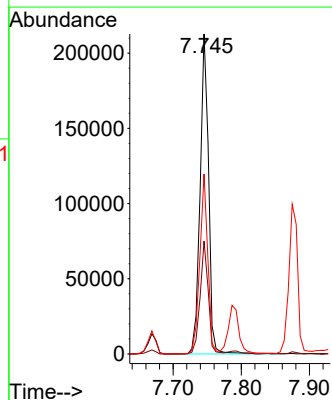
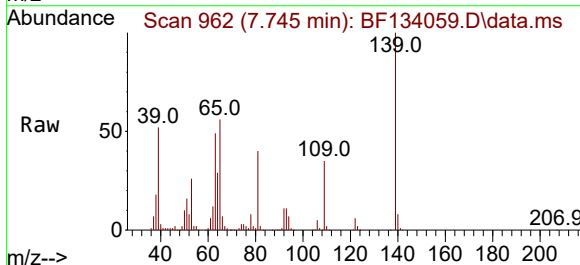
Manual Integrations
APPROVED

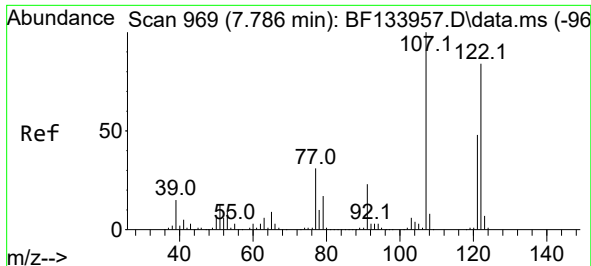
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#26
2-Nitrophenol
Concen: 51.056 ng
RT: 7.745 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

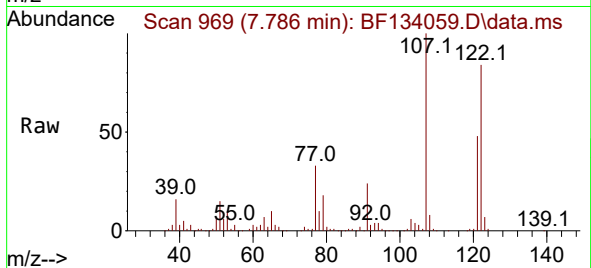
Tgt Ion:139 Resp: 183736
Ion Ratio Lower Upper
139 100
109 35.3 25.8 38.8
65 56.2 42.4 63.6





#27
2,4-Dimethylphenol
Concen: 52.629 ng
RT: 7.786 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

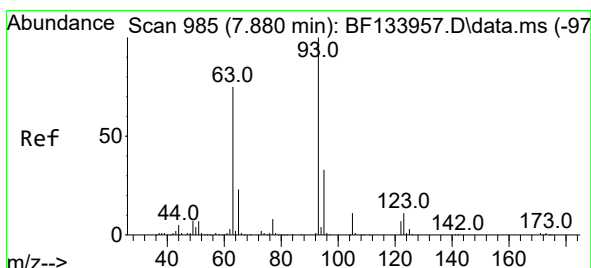
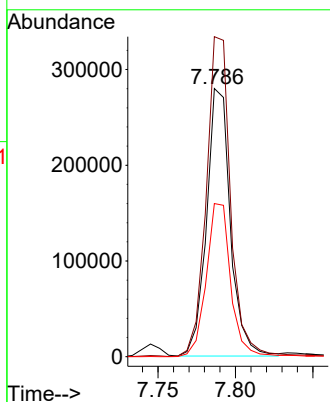
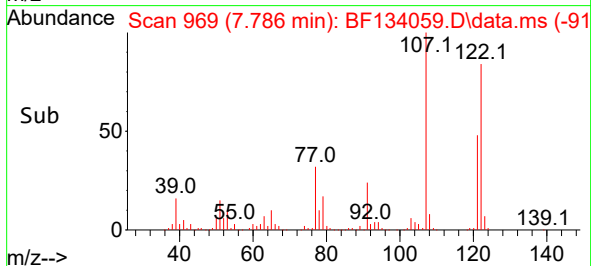
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion:122 Resp: 299804
Ion Ratio Lower Upper
122 100
107 119.3 95.5 143.3
121 57.1 45.5 68.3

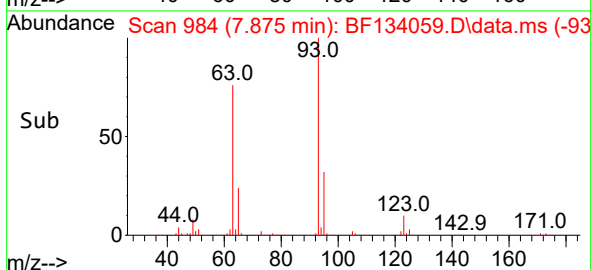
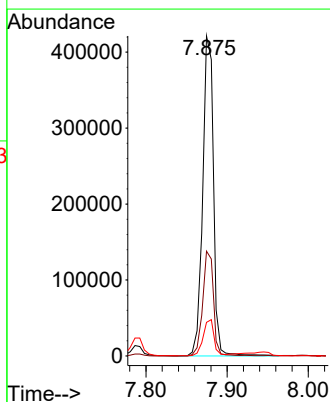
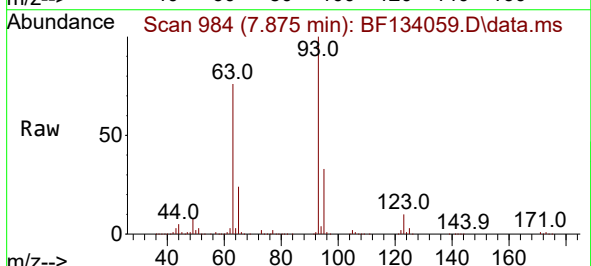
Manual Integrations
APPROVED

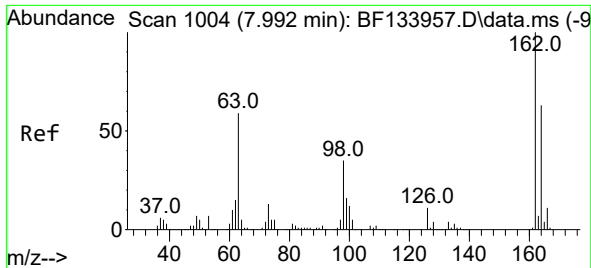
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#28
bis(2-Chloroethoxy)methane
Concen: 49.780 ng
RT: 7.875 min Scan# 984
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

Tgt Ion: 93 Resp: 388895
Ion Ratio Lower Upper
93 100
95 32.7 26.5 39.7
123 10.5 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 51.206 ng

RT: 7.992 min Scan# 1004

Delta R.T. -0.000 min

Lab File: BF134059.D

Acq: 30 Jun 2023 18:53

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MS

Tgt Ion:162 Resp: 28924

Ion Ratio Lower Upper

162 100

164 62.0 43.2 83.2

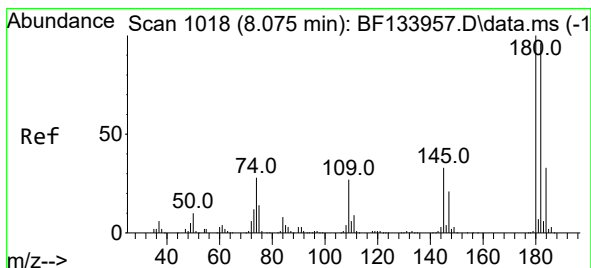
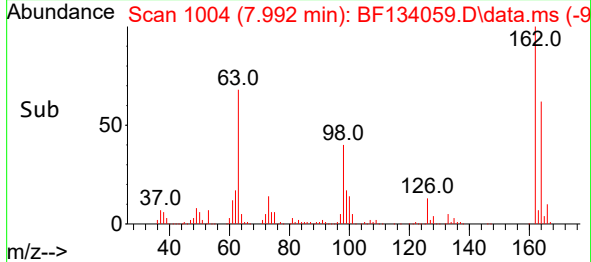
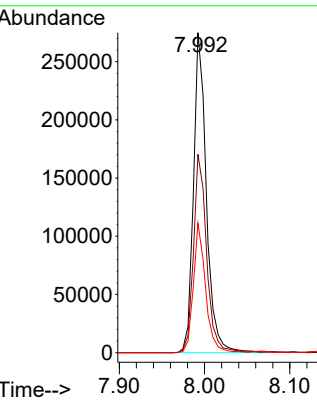
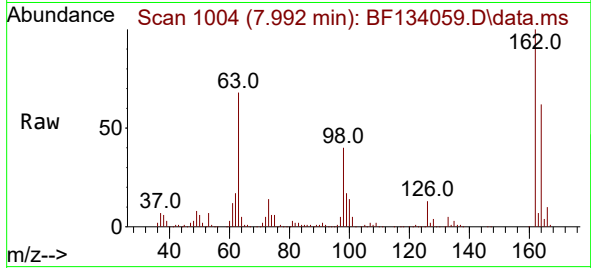
98 40.5 14.9 54.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/07/2023



#30

1,2,4-Trichlorobenzene

Concen: 49.657 ng

RT: 8.069 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF134059.D

Acq: 30 Jun 2023 18:53

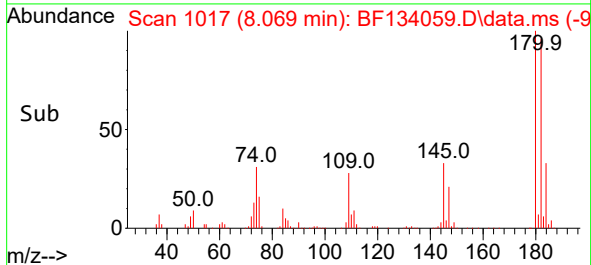
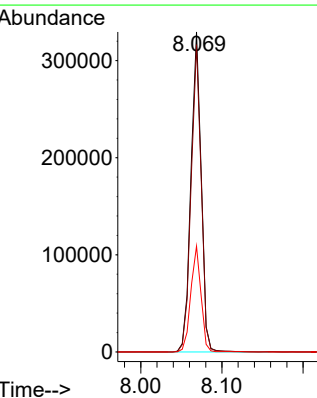
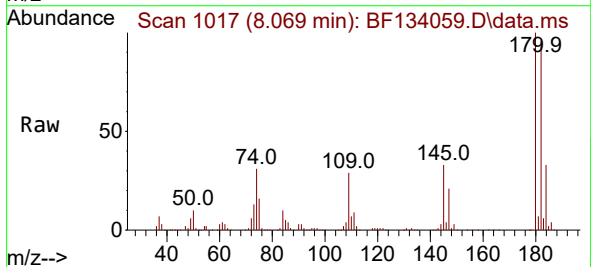
Tgt Ion:180 Resp: 289432

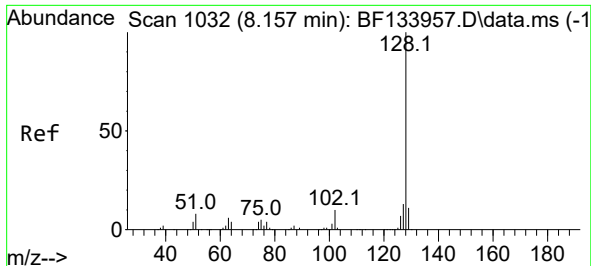
Ion Ratio Lower Upper

180 100

182 96.0 77.1 115.7

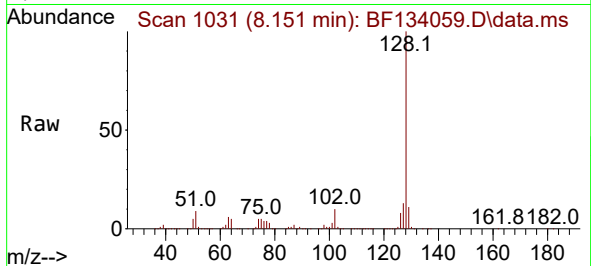
145 33.1 26.0 39.0





#31
Naphthalene
Concen: 47.500 ng
RT: 8.151 min Scan# 1032
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

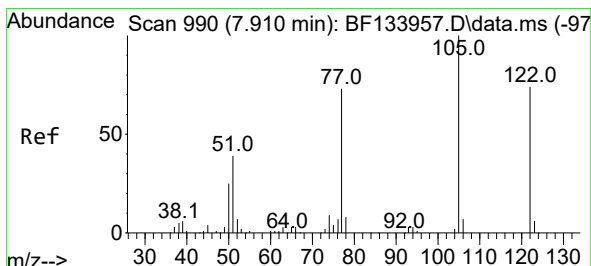
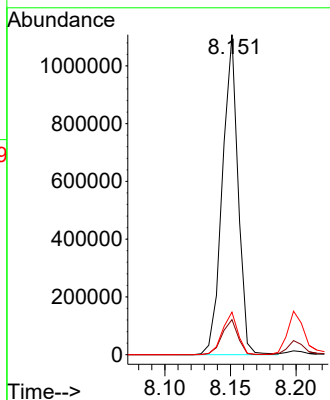
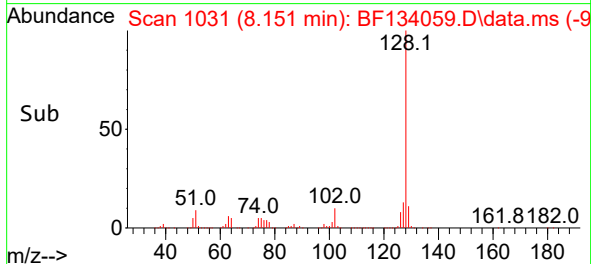
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion:128 Resp: 918164
Ion Ratio Lower Upper
128 100
129 10.9 8.7 13.1
127 13.3 10.6 15.8

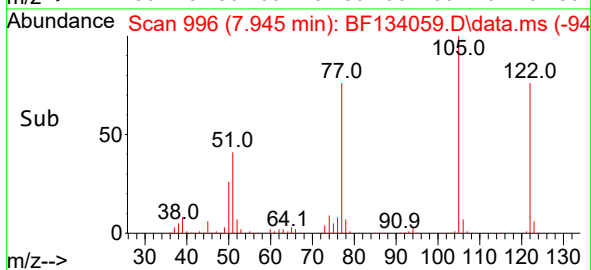
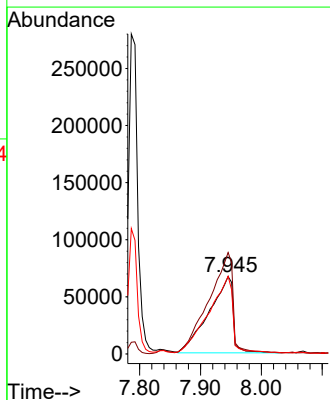
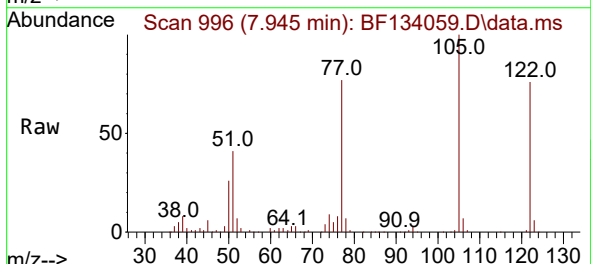
Manual Integrations
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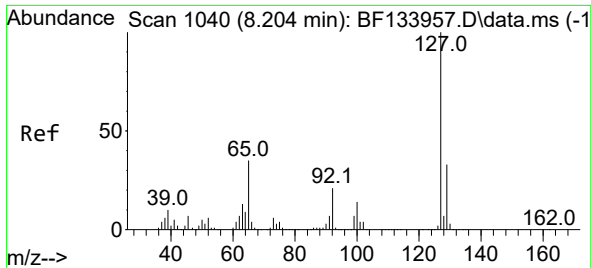
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#32
Benzoic acid
Concen: 43.186 ng
RT: 7.945 min Scan# 996
Delta R.T. 0.029 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

Tgt Ion:122 Resp: 184343
Ion Ratio Lower Upper
122 100
105 131.1 109.7 149.7
77 100.3 76.0 116.0





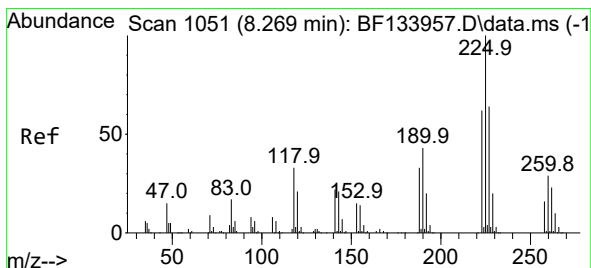
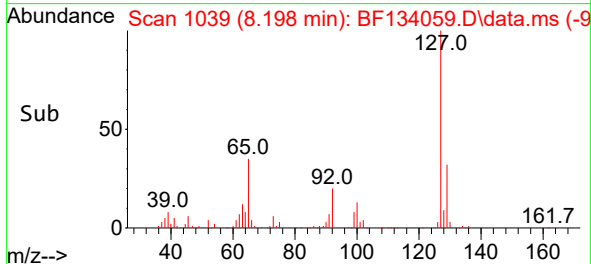
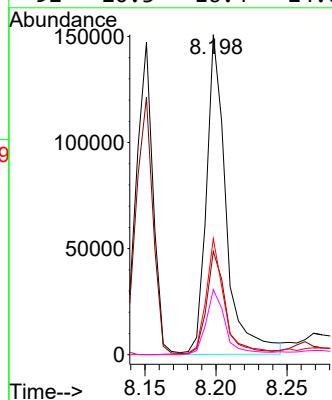
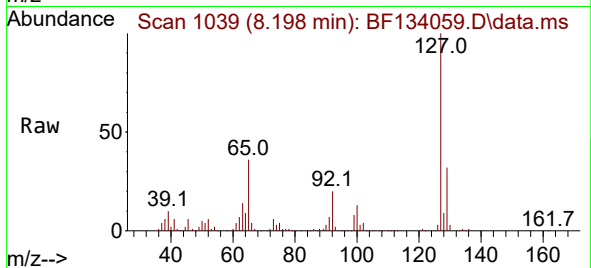
#33
4-Chloroaniline
Concen: 17.643 ng
RT: 8.198 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

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

Tgt Ion:127 Resp: 14588
Ion Ratio Lower Upper
127 100
129 32.2 26.4 39.6
65 36.2 27.8 41.8
92 20.3 16.4 24.6

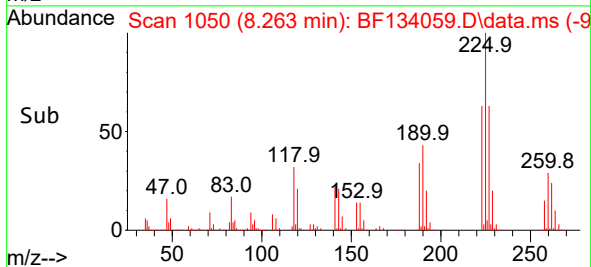
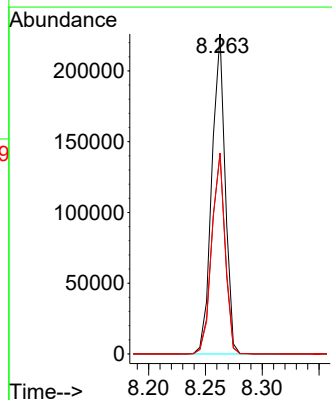
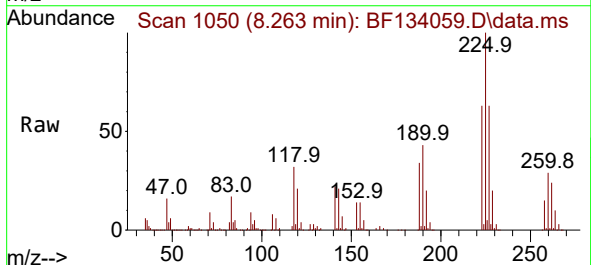
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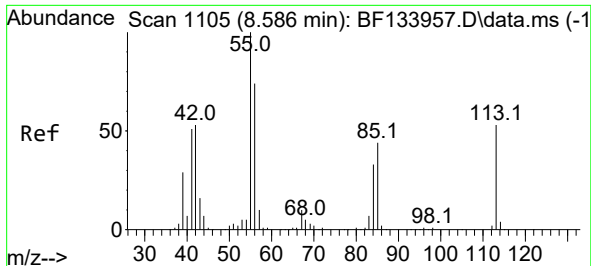
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#34
Hexachlorobutadiene
Concen: 49.995 ng
RT: 8.263 min Scan# 1050
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

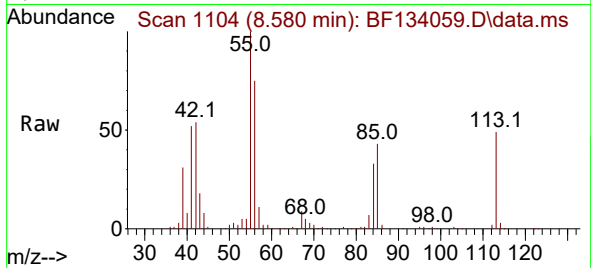
Tgt Ion:225 Resp: 183816
Ion Ratio Lower Upper
225 100
223 62.6 49.8 74.8
227 62.8 51.0 76.4





#35
 Caprolactam
 Concen: 43.575 ng m
 RT: 8.580 min Scan# 1104
 Delta R.T. -0.012 min
 Lab File: BF134059.D
 Acq: 30 Jun 2023 18:53

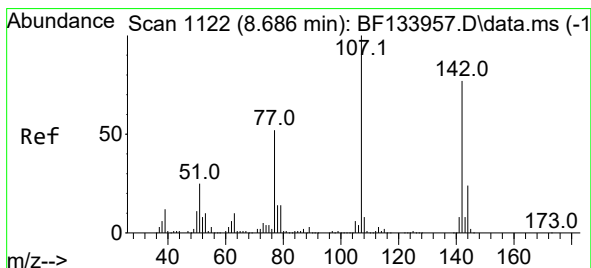
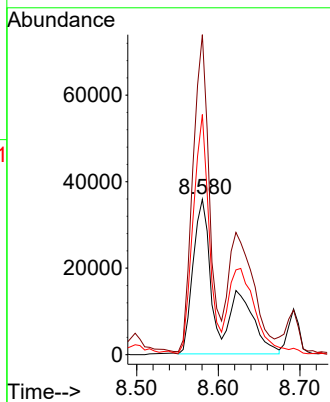
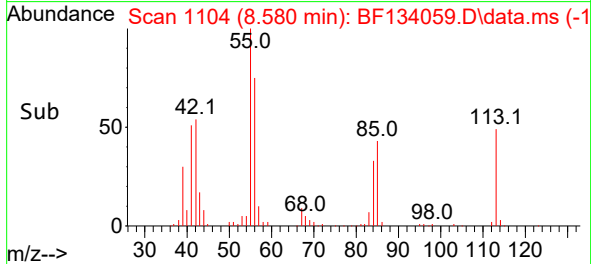
Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MS



Tgt Ion:113 Resp: 8104
 Ion Ratio Lower Upper
 113 100
 55 205.9 170.2 210.2
 56 154.5 121.4 161.4

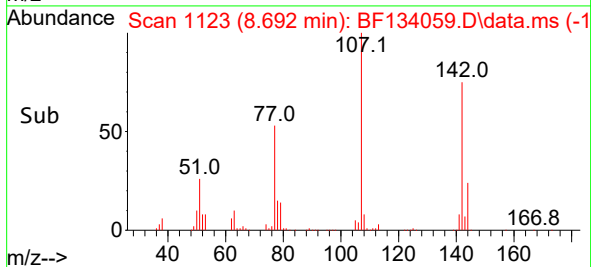
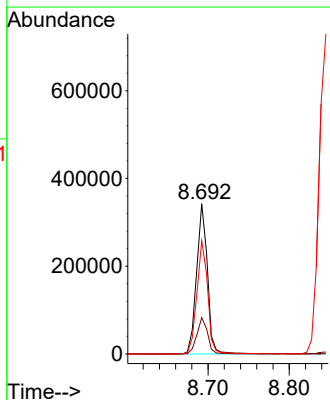
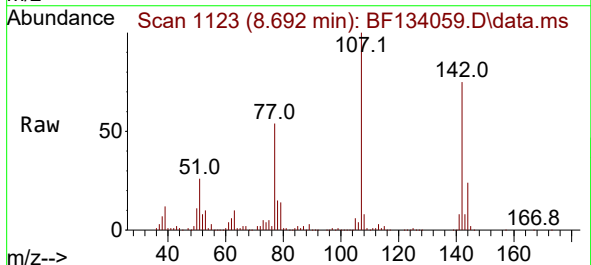
Manual Integrations
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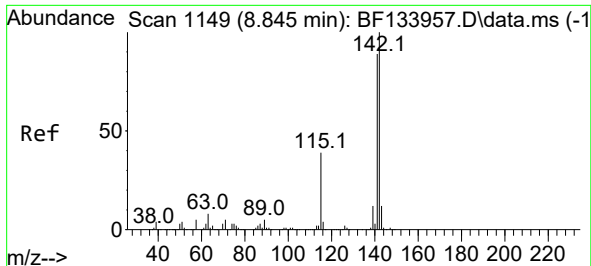
Reviewed By :Yogesh Patel 07/03/2023
 Supervised By :mohammad ahmed 07/07/2023



#36
 4-Chloro-3-methylphenol
 Concen: 50.532 ng
 RT: 8.692 min Scan# 1123
 Delta R.T. 0.006 min
 Lab File: BF134059.D
 Acq: 30 Jun 2023 18:53

Tgt Ion:107 Resp: 320665
 Ion Ratio Lower Upper
 107 100
 144 24.2 19.6 29.4
 142 75.4 61.4 92.2





#37

2-Methylnaphthalene

Concen: 46.170 ng

RT: 8.845 min Scan# 1149

Delta R.T. -0.000 min

Lab File: BF134059.D

Acq: 30 Jun 2023 18:53

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MS

Tgt Ion:142 Resp: 631109

Ion Ratio Lower Upper

142 100

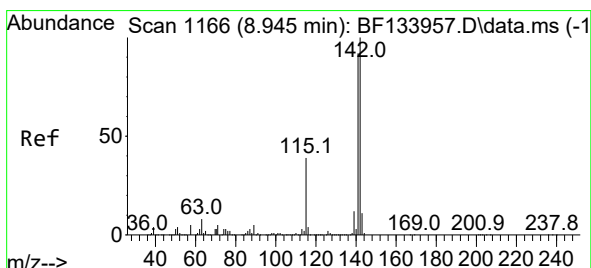
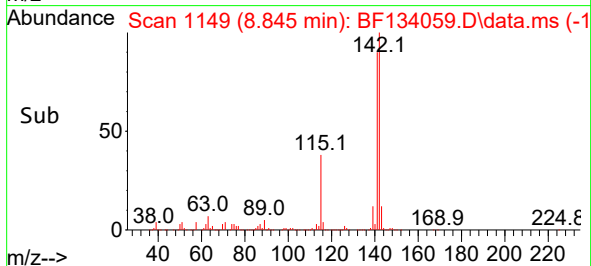
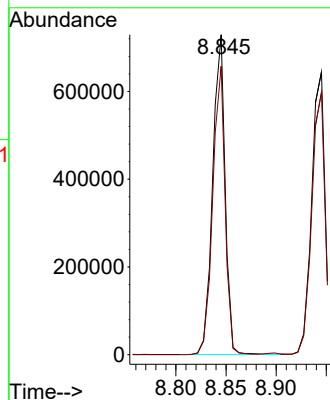
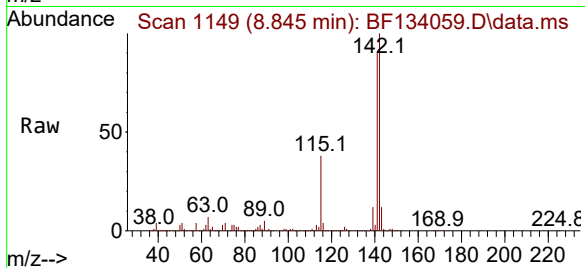
141 90.2 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/07/2023



#38

1-Methylnaphthalene

Concen: 46.996 ng

RT: 8.945 min Scan# 1166

Delta R.T. -0.000 min

Lab File: BF134059.D

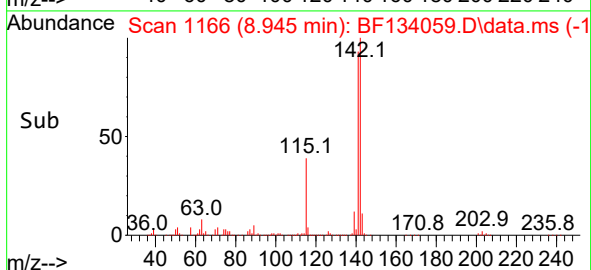
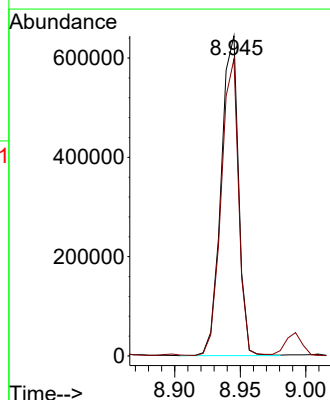
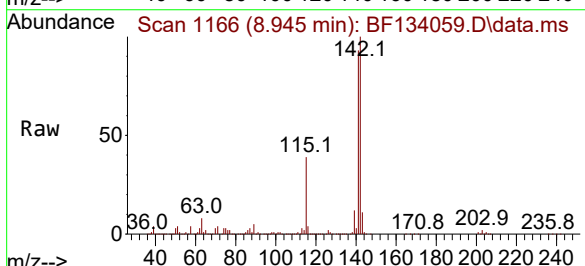
Acq: 30 Jun 2023 18:53

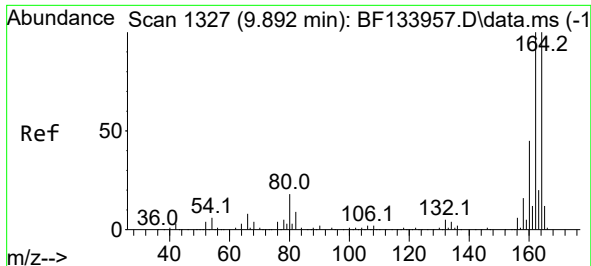
Tgt Ion:142 Resp: 597196

Ion Ratio Lower Upper

142 100

141 92.8 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.886 min Scan# 11326

Delta R.T. -0.006 min

Lab File: BF134059.D

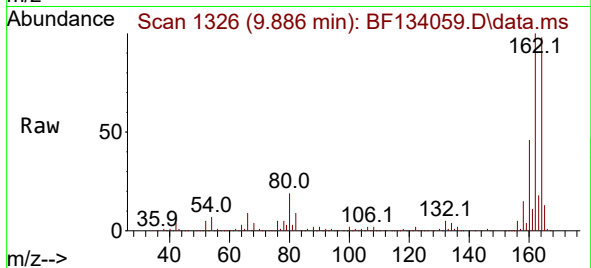
Acq: 30 Jun 2023 18:53

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MS



Tgt Ion:164 Resp: 20528

Ion Ratio Lower Upper

164 100

162 102.0 80.0 120.0

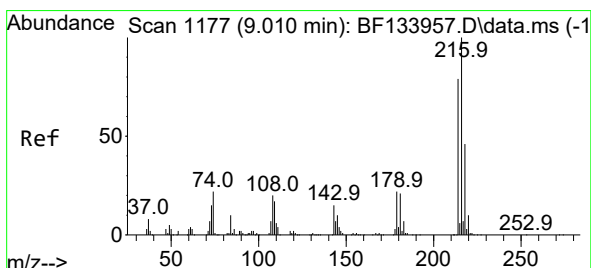
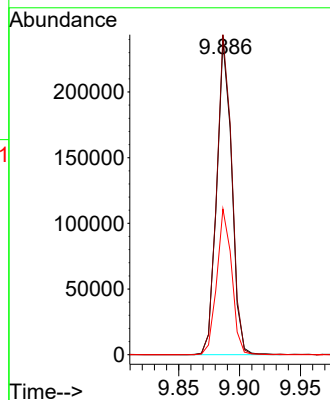
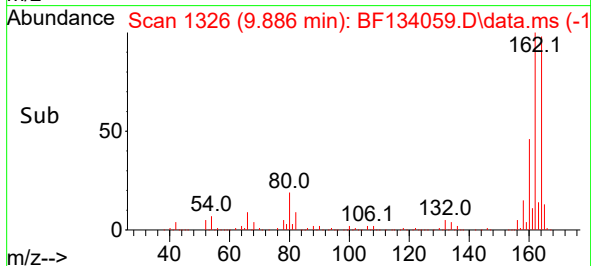
160 46.5 35.9 53.9

Manual Integrations

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Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/07/2023



#40

1,2,4,5-Tetrachlorobenzene

Concen: 49.505 ng

RT: 9.010 min Scan# 1177

Delta R.T. -0.000 min

Lab File: BF134059.D

Acq: 30 Jun 2023 18:53

Tgt Ion:216 Resp: 301087

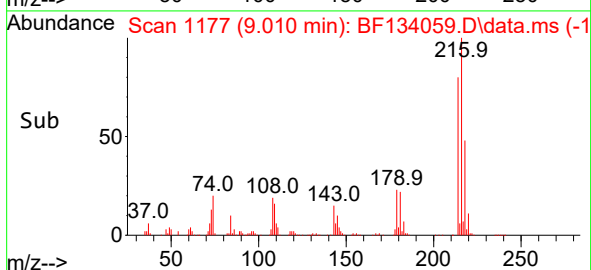
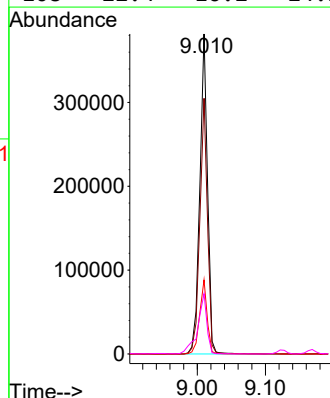
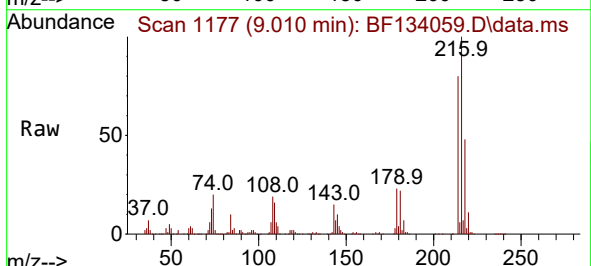
Ion Ratio Lower Upper

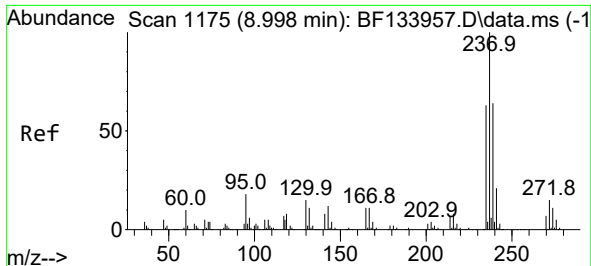
216 100

214 79.0 64.1 96.1

179 22.6 17.3 25.9

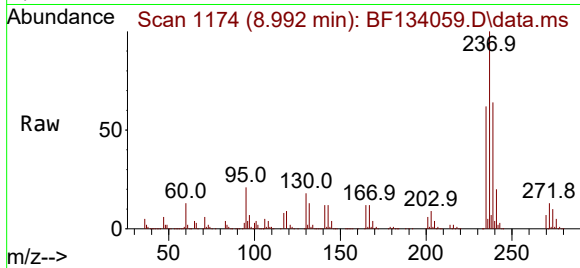
108 22.4 16.2 24.2





#41
Hexachlorocyclopentadiene
Concen: 110.171 ng
RT: 8.992 min Scan# 1174
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

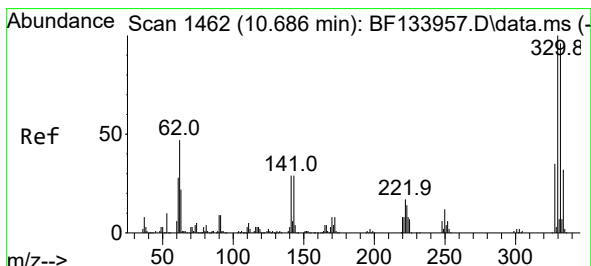
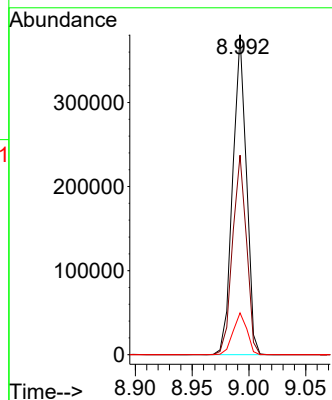
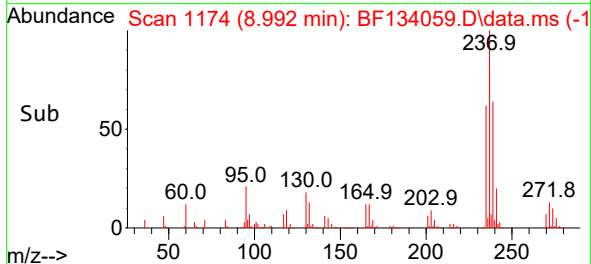
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion: 237 Resp: 31788
Ion Ratio Lower Upper
237 100
235 62.4 42.8 82.8
272 13.0 0.0 34.6

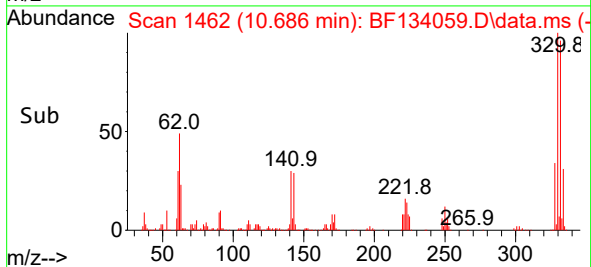
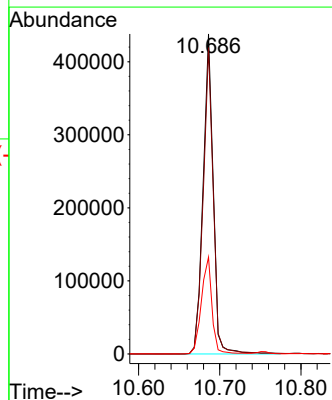
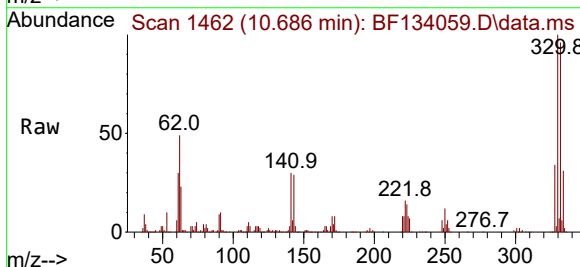
Manual Integrations
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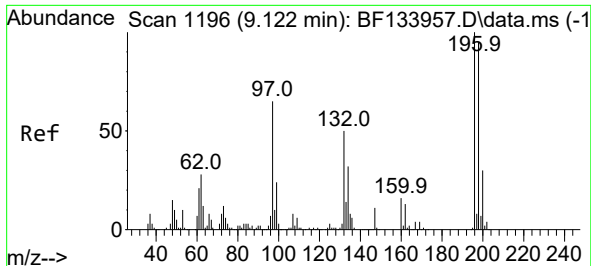
Reviewed By : Yogesh Patel 07/03/2023
Supervised By : mohammad ahmed 07/07/2023



#42
2,4,6-Tribromophenol
Concen: 148.048 ng
RT: 10.686 min Scan# 1462
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

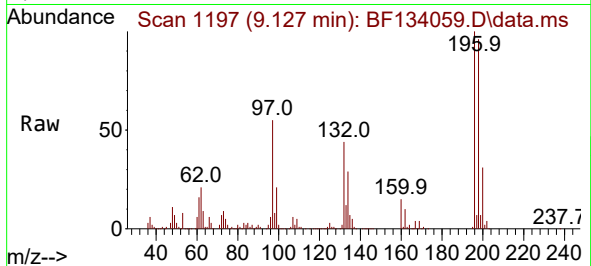
Tgt Ion: 330 Resp: 381055
Ion Ratio Lower Upper
330 100
332 95.6 77.0 115.6
141 31.8 26.3 39.5





#43
2,4,6-Trichlorophenol
Concen: 50.219 ng
RT: 9.127 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

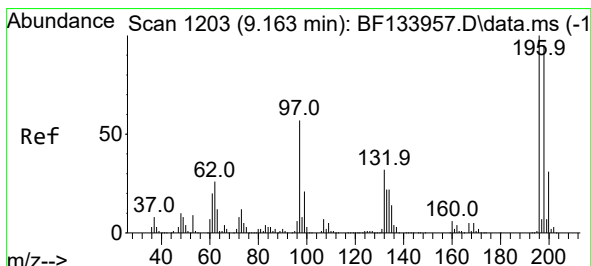
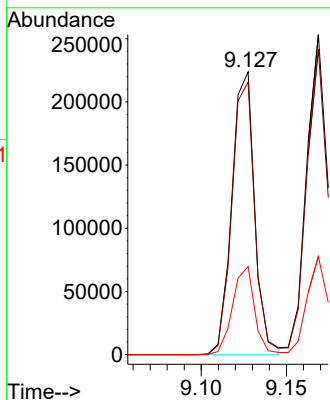
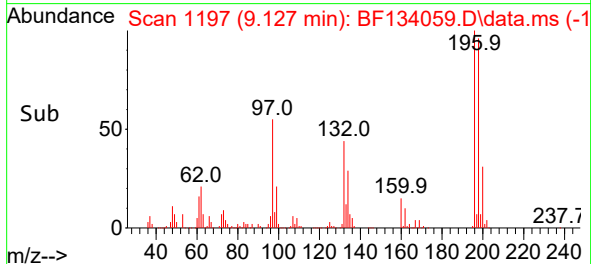
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



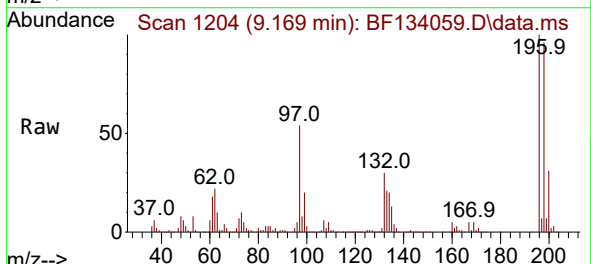
Tgt Ion:196 Resp: 207915
Ion Ratio Lower Upper
196 100
198 96.4 75.6 113.4
200 31.2 24.4 36.6

Manual Integrations
APPROVED

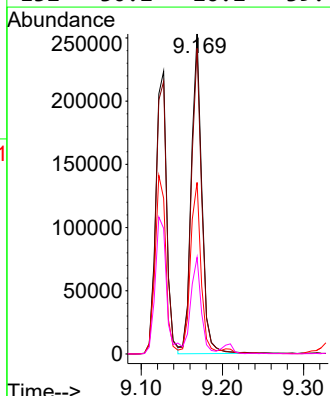
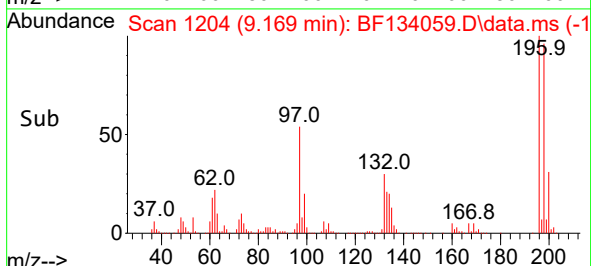
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

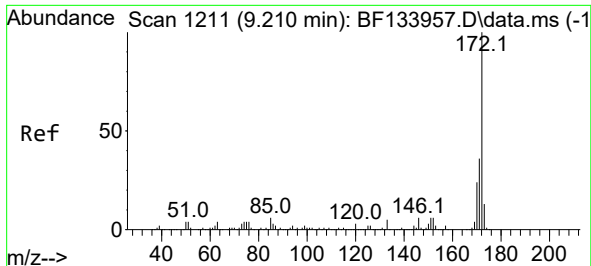


#44
2,4,5-Trichlorophenol
Concen: 47.011 ng
RT: 9.169 min Scan# 1204
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



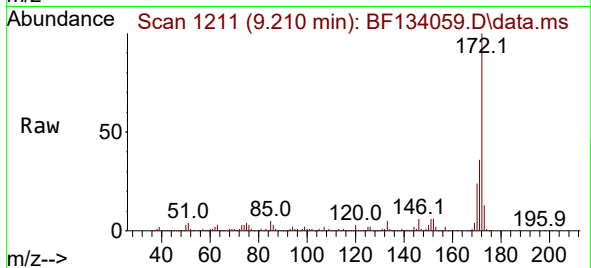
Tgt Ion:196 Resp: 228945
Ion Ratio Lower Upper
196 100
198 95.5 75.7 113.5
97 53.6 45.8 68.6
132 30.2 26.2 39.4





#45
2-Fluorobiphenyl
Concen: 96.350 ng
RT: 9.210 min Scan# 1211
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

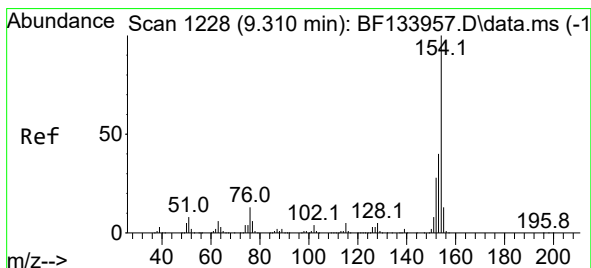
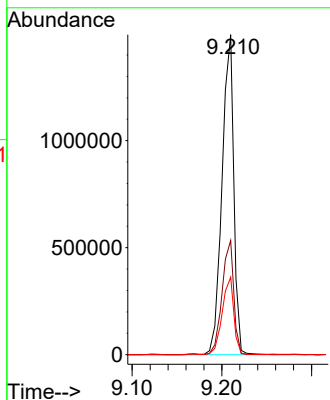
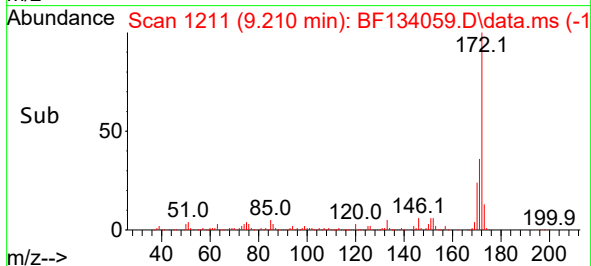
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



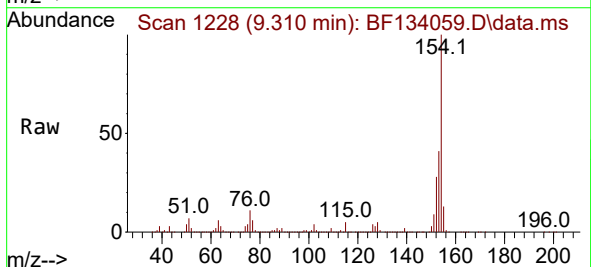
Tgt Ion:172 Resp: 1360420
Ion Ratio Lower Upper
172 100
171 35.7 28.6 43.0
170 24.2 19.4 29.0

Manual Integrations
APPROVED

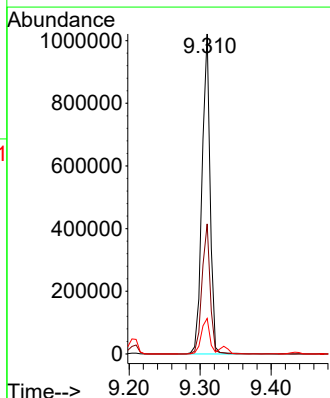
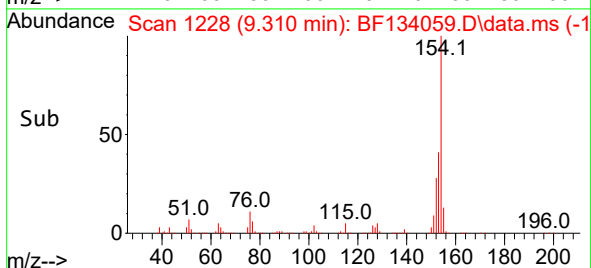
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

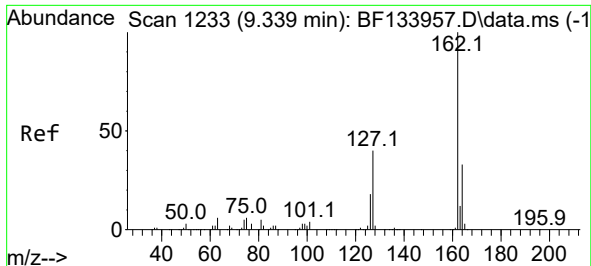


#46
1,1'-Biphenyl
Concen: 49.062 ng
RT: 9.310 min Scan# 1228
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



Tgt Ion:154 Resp: 807915
Ion Ratio Lower Upper
154 100
153 40.6 19.8 59.8
76 11.1 0.0 32.9





#47

2-Chloronaphthalene

Concen: 45.862 ng

RT: 9.333 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF134059.D

Acq: 30 Jun 2023 18:53

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MS

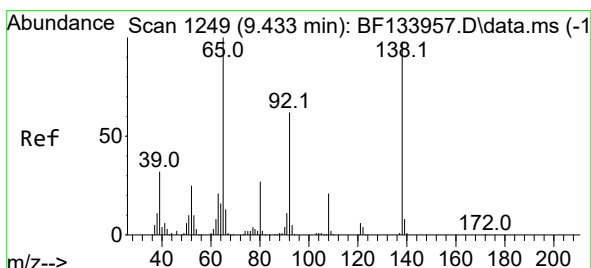
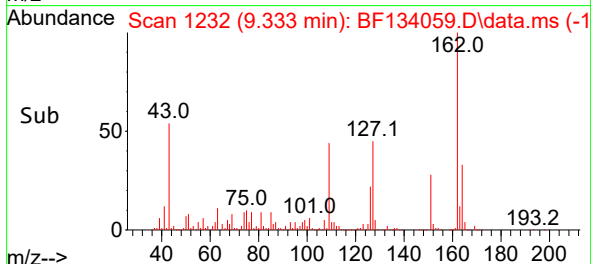
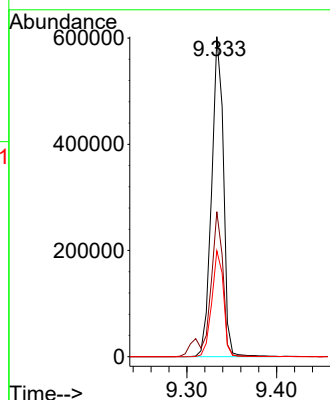
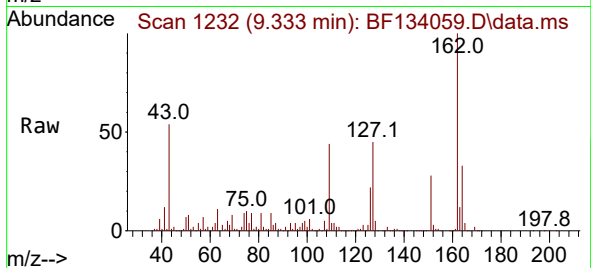
Tgt Ion:	162	Resp:	55256
Ion Ratio	Lower	Upper	
162	100		
127	45.3	32.9	49.3
164	33.1	26.1	39.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/07/2023



#48

2-Nitroaniline

Concen: 50.937 ng

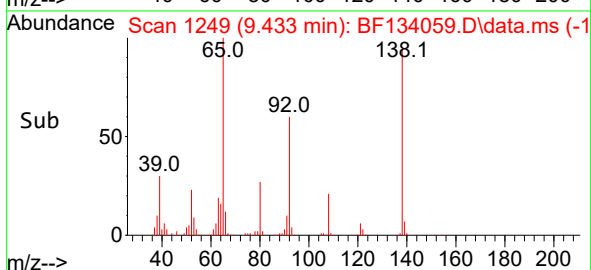
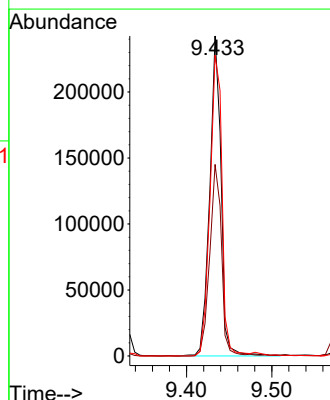
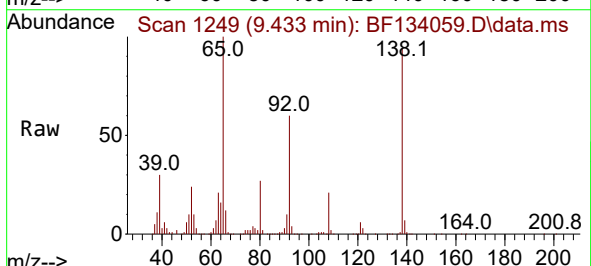
RT: 9.433 min Scan# 1249

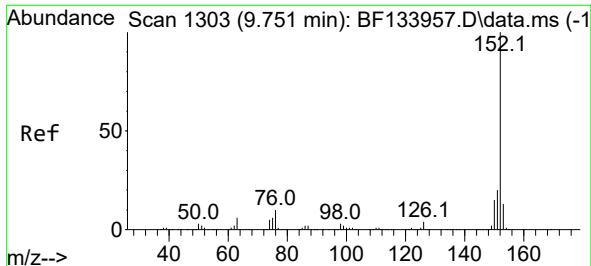
Delta R.T. -0.006 min

Lab File: BF134059.D

Acq: 30 Jun 2023 18:53

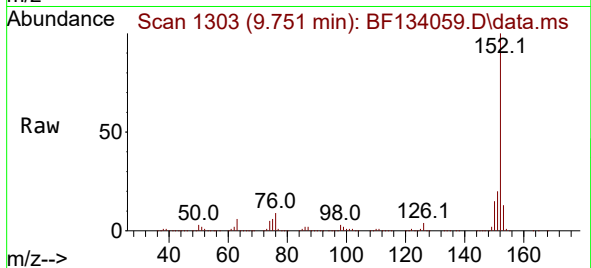
Tgt Ion:	65	Resp:	223668
Ion Ratio	Lower	Upper	
65	100		
92	59.8	49.5	74.3
138	93.9	78.0	117.0





#49
Acenaphthylene
Concen: 48.807 ng
RT: 9.751 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

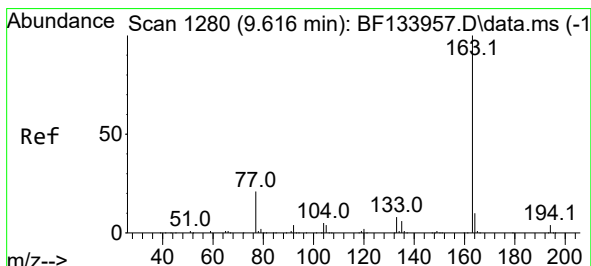
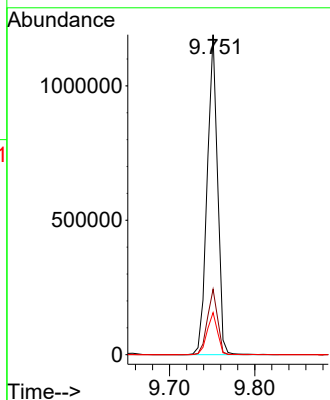
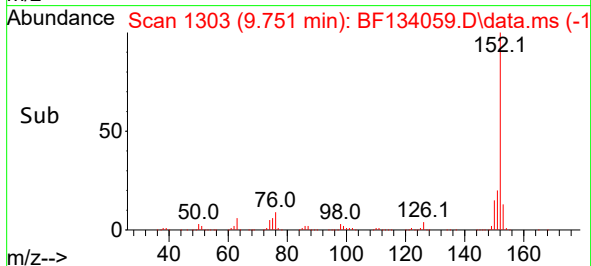
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



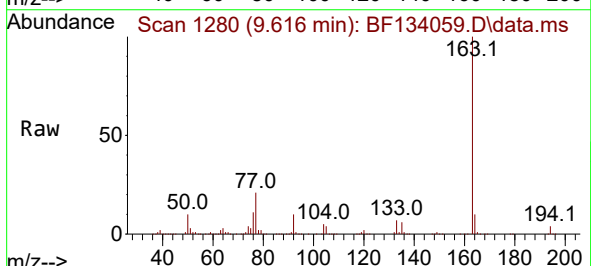
Tgt Ion:152 Resp: 1004535
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 13.2 10.8 16.2

Manual Integrations
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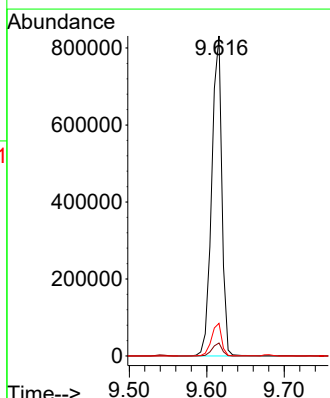
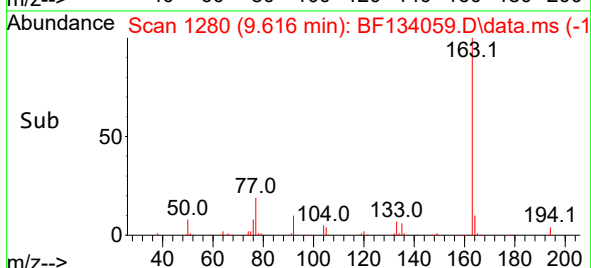
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

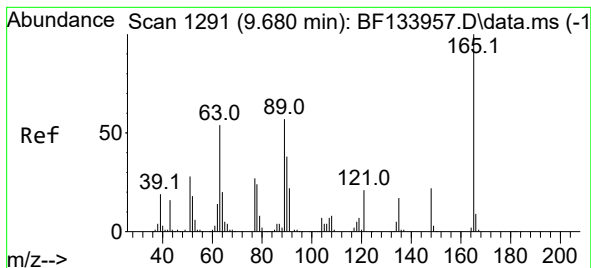


#50
Dimethylphthalate
Concen: 50.701 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



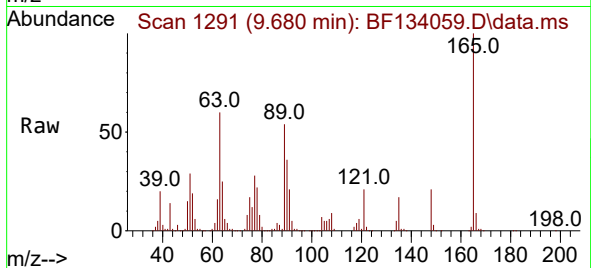
Tgt Ion:163 Resp: 755535
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.2 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 52.192 ng
RT: 9.680 min Scan# 1291
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

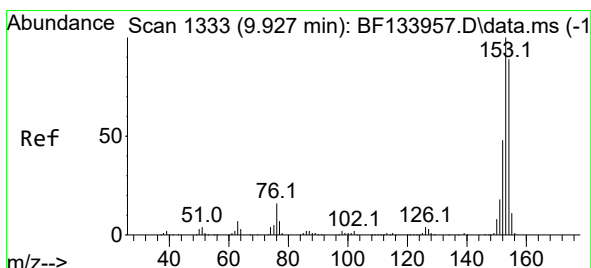
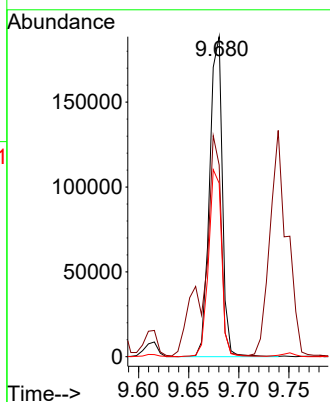
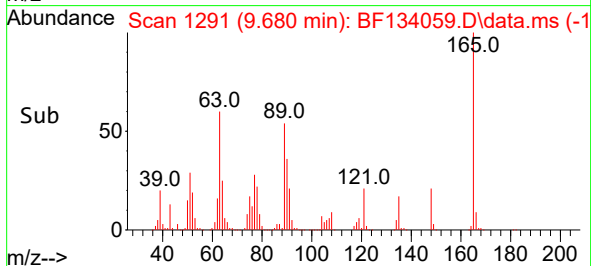
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion:165 Resp: 16751
Ion Ratio Lower Upper
165 100
63 59.9 48.5 72.7
89 54.2 45.5 68.3

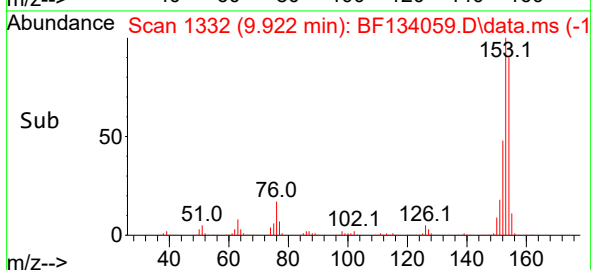
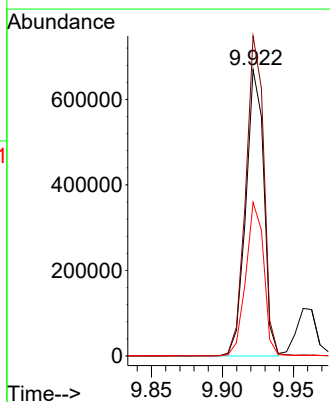
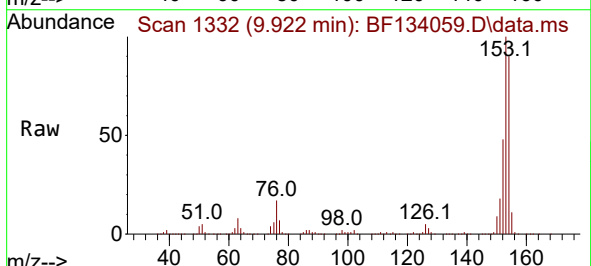
Manual Integrations
APPROVED

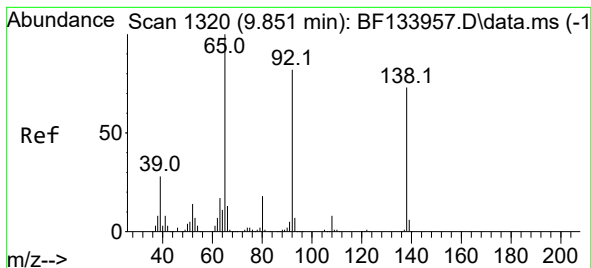
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#52
Acenaphthene
Concen: 49.622 ng
RT: 9.922 min Scan# 1332
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

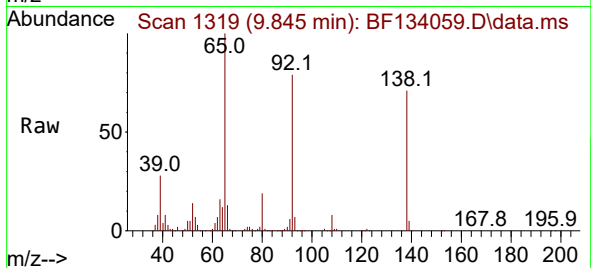
Tgt Ion:154 Resp: 592619
Ion Ratio Lower Upper
154 100
153 111.7 89.4 134.2
152 53.6 42.8 64.2





#53
3-Nitroaniline
Concen: 30.397 ng
RT: 9.845 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

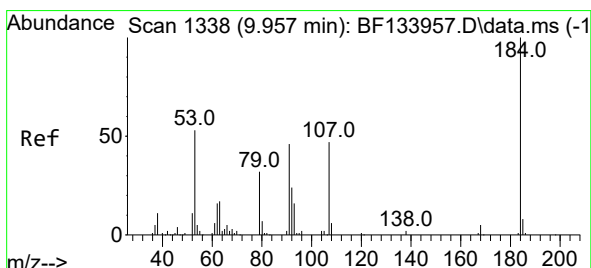
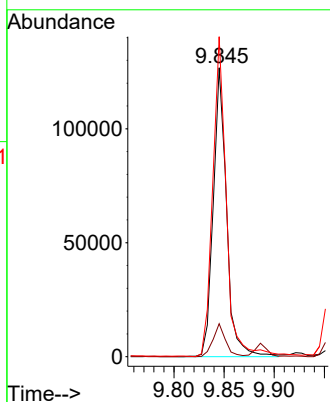
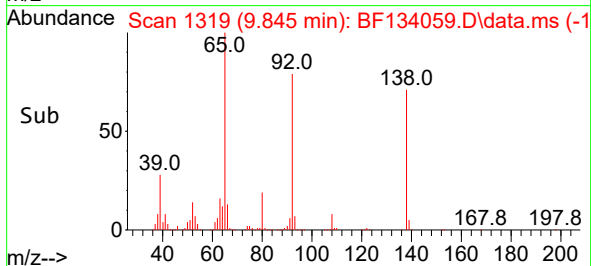
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



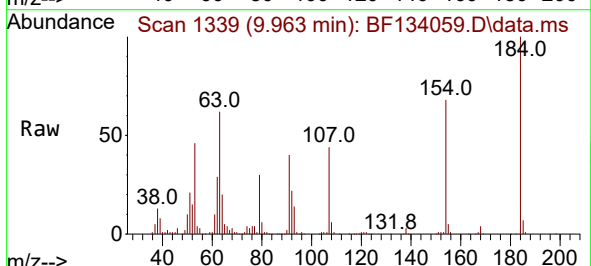
Tgt Ion:138 Resp: 11704
Ion Ratio Lower Upper
138 100
108 11.4 8.4 12.6
92 110.7 90.1 135.1

Manual Integrations
APPROVED

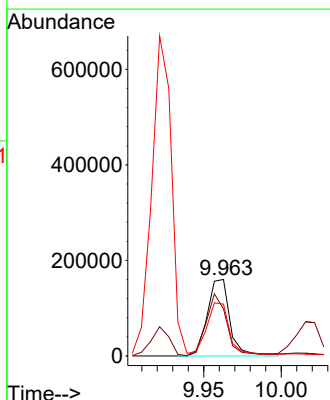
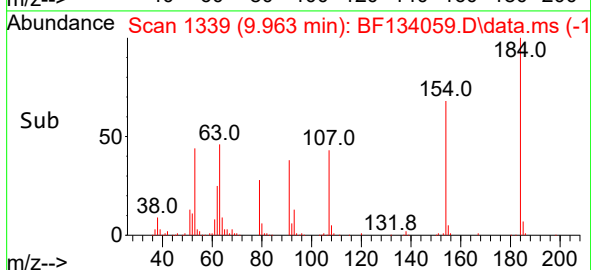
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

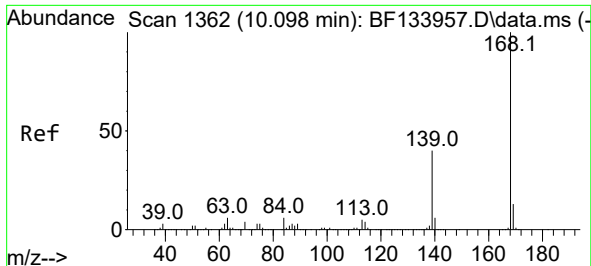


#54
2,4-Dinitrophenol
Concen: 87.798 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



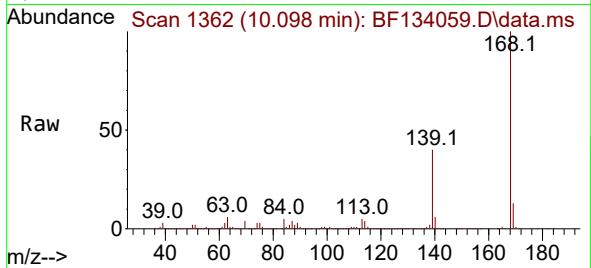
Tgt Ion:184 Resp: 163472
Ion Ratio Lower Upper
184 100
63 61.8 56.9 85.3
154 67.8 55.4 83.0





#55
Dibenzenofuran
Concen: 48.454 ng
RT: 10.098 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

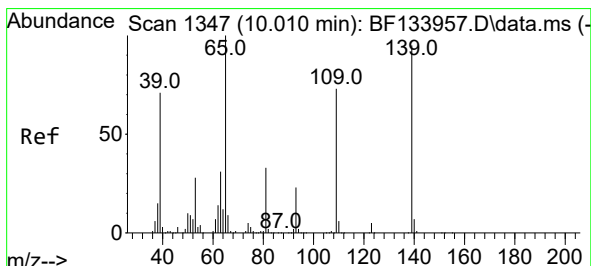
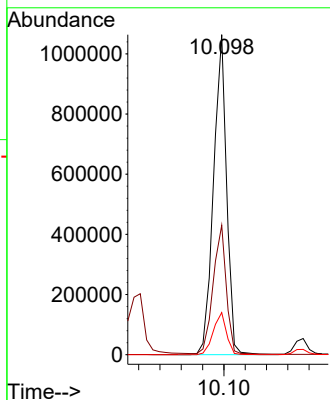
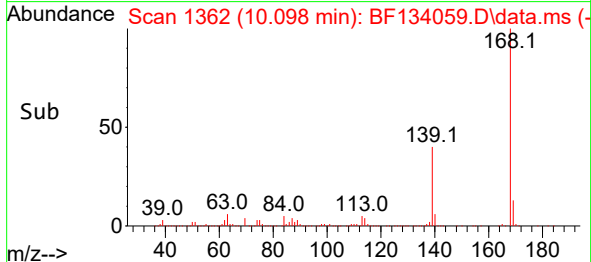
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



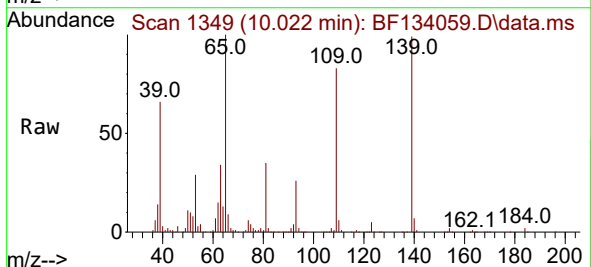
Tgt Ion:168 Resp: 904372
Ion Ratio Lower Upper
168 100
139 40.5 32.0 48.0
169 13.2 10.6 16.0

Manual Integrations
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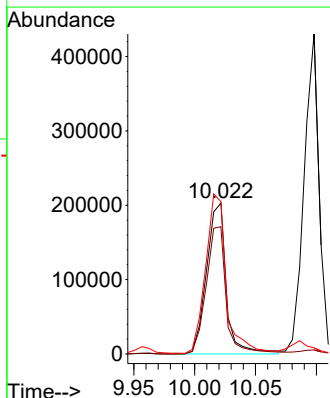
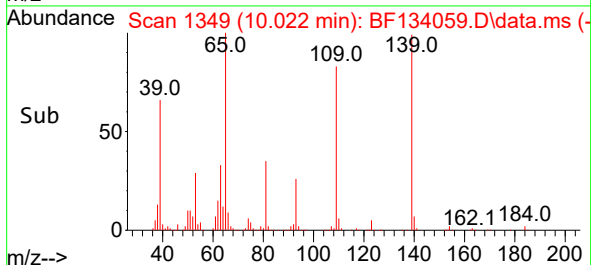
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

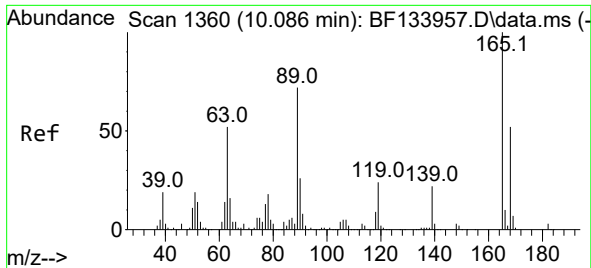


#56
4-Nitrophenol
Concen: 85.029 ng
RT: 10.022 min Scan# 1349
Delta R.T. 0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



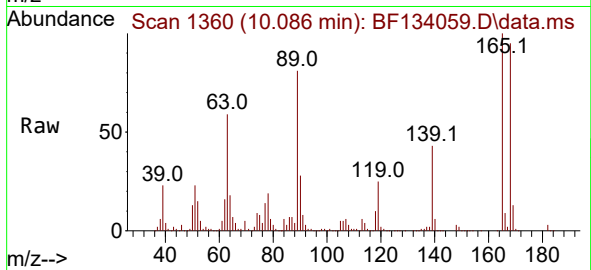
Tgt Ion:139 Resp: 229011
Ion Ratio Lower Upper
139 100
109 84.3 56.8 96.8
65 101.1 86.1 126.1





#57
2,4-Dinitrotoluene
Concen: 51.427 ng
RT: 10.086 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

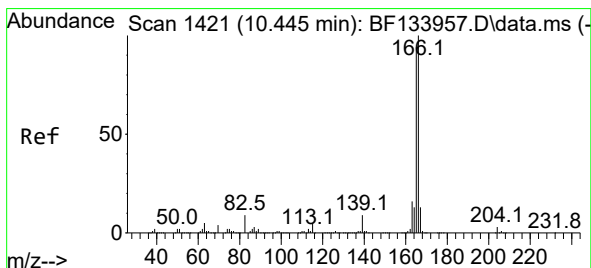
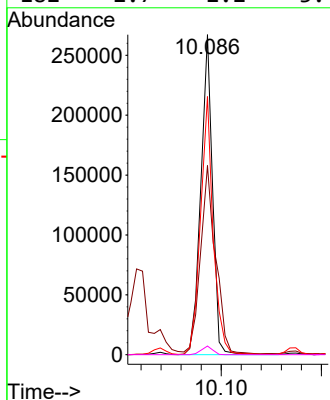
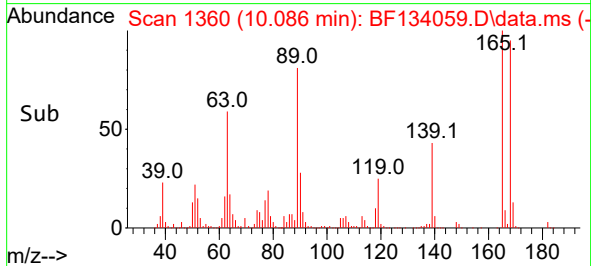
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



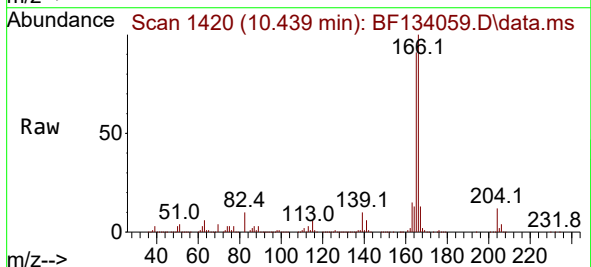
Tgt Ion:165 Resp: 21798
Ion Ratio Lower Upper
165 100
63 59.1 42.2 63.2
89 80.7 57.4 86.2
182 2.7 2.2 3.4

Manual Integrations
APPROVED

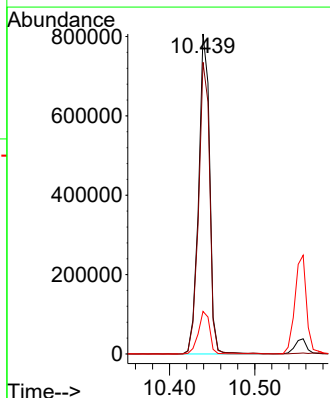
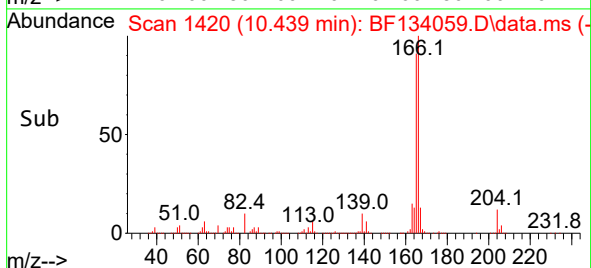
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

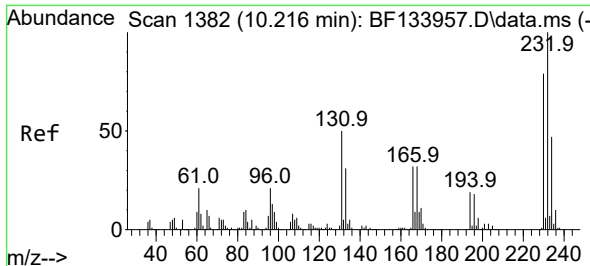


#58
Fluorene
Concen: 49.882 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



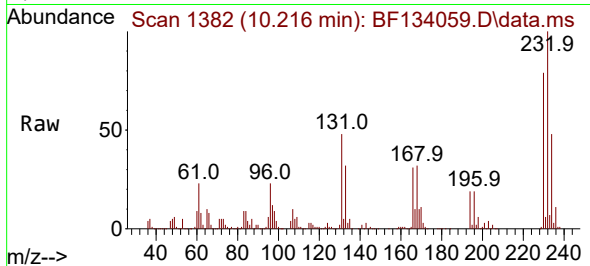
Tgt Ion:166 Resp: 724329
Ion Ratio Lower Upper
166 100
165 91.2 75.0 112.4
167 13.3 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 51.082 ng
RT: 10.216 min Scan# 1382
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

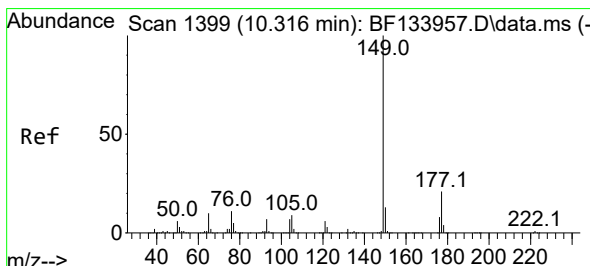
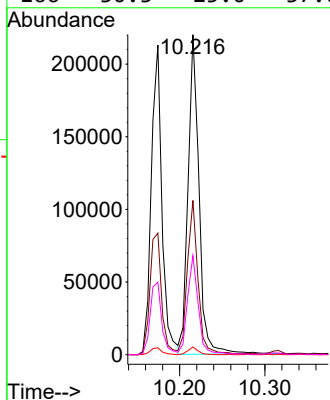
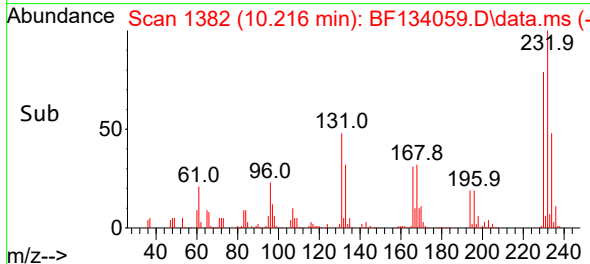
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



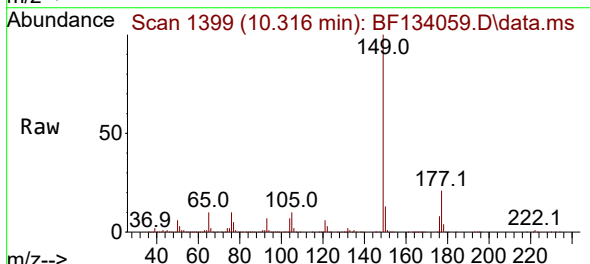
Tgt Ion:232 Resp: 196230
Ion Ratio Lower Upper
232 100
131 46.9 39.3 58.9
130 2.3 1.8 2.6
166 30.3 25.0 37.6

Manual Integrations
APPROVED

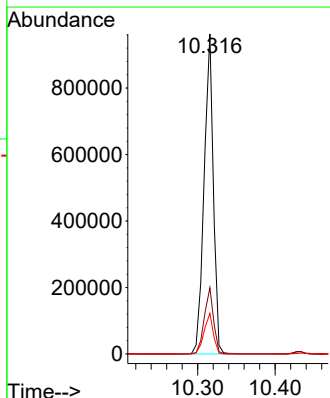
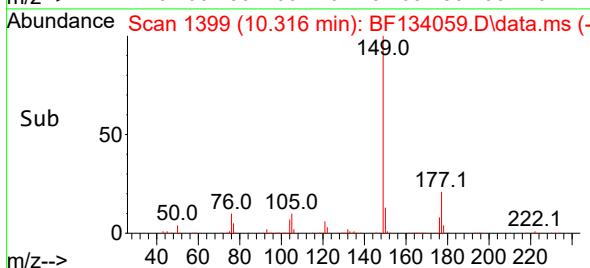
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

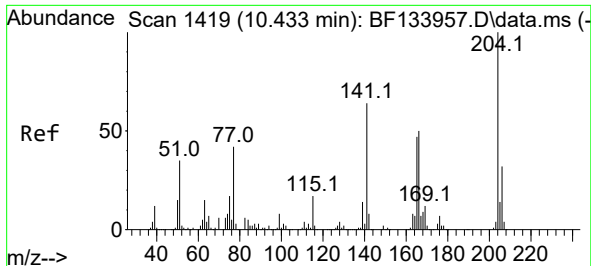


#60
Diethylphthalate
Concen: 51.372 ng
RT: 10.316 min Scan# 1399
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



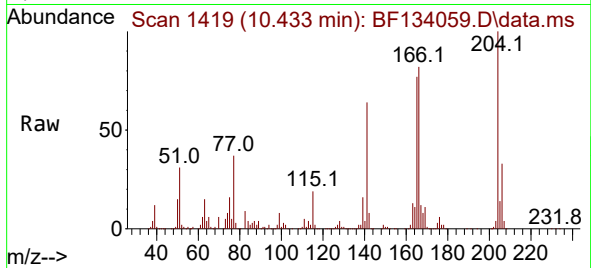
Tgt Ion:149 Resp: 797564
Ion Ratio Lower Upper
149 100
177 20.7 17.0 25.6
150 12.7 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 49.389 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

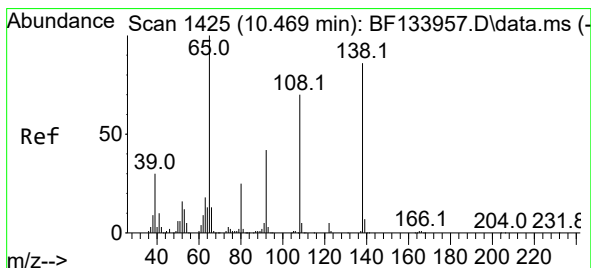
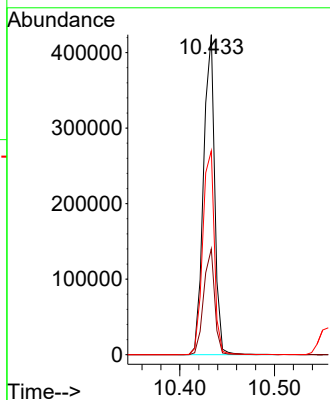
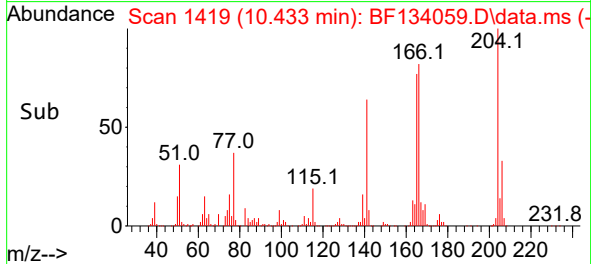
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion:204 Resp: 345615
Ion Ratio Lower Upper
204 100
206 33.0 25.8 38.6
141 63.7 51.5 77.3

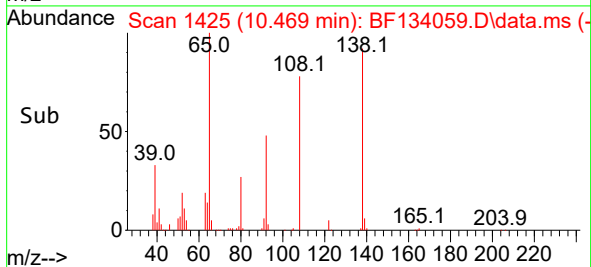
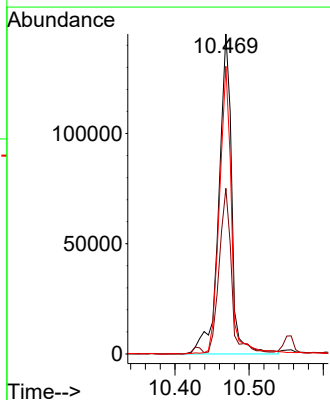
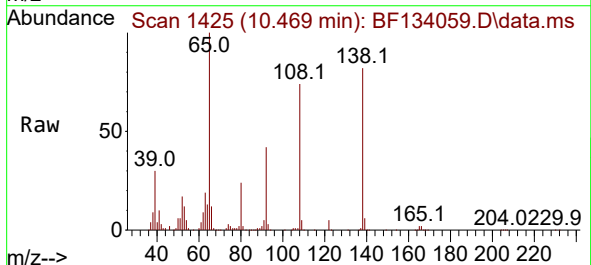
Manual Integrations
APPROVED

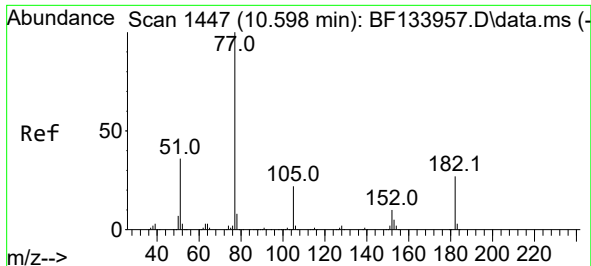
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#62
4-Nitroaniline
Concen: 45.382 ng
RT: 10.469 min Scan# 1425
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

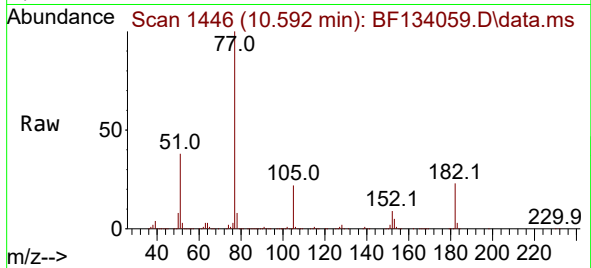
Tgt Ion:138 Resp: 176103
Ion Ratio Lower Upper
138 100
92 51.7 29.7 69.7
108 89.9 62.1 102.1





#63
Azobenzene
Concen: 50.210 ng
RT: 10.592 min Scan# 1447
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

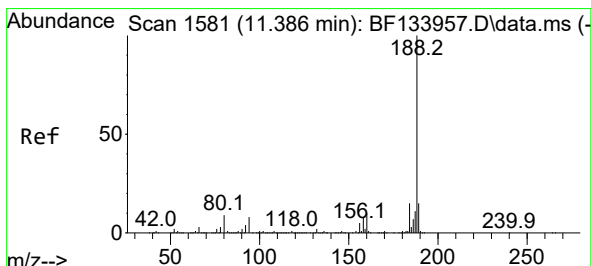
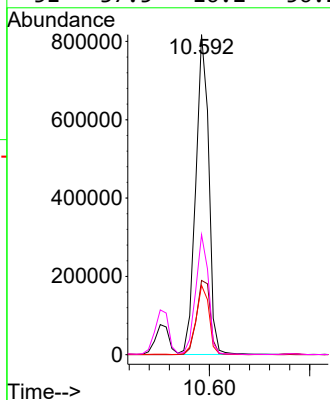
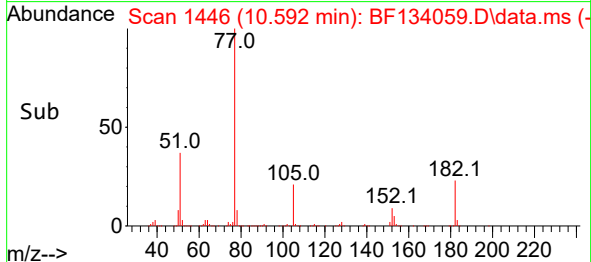
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



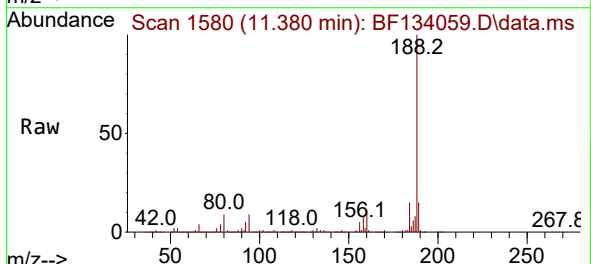
Tgt Ion: 77 Resp: 73736
Ion Ratio Lower Upper
77 100
182 23.2 6.8 46.8
105 21.6 2.3 42.3
51 37.5 16.2 56.2

Manual Integrations
APPROVED

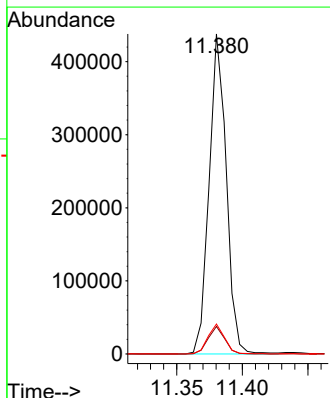
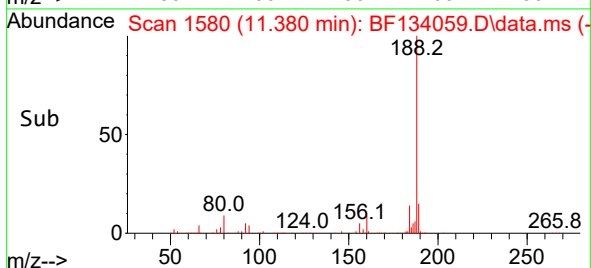
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

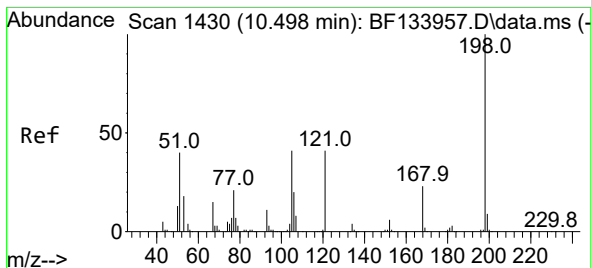


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.380 min Scan# 1580
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



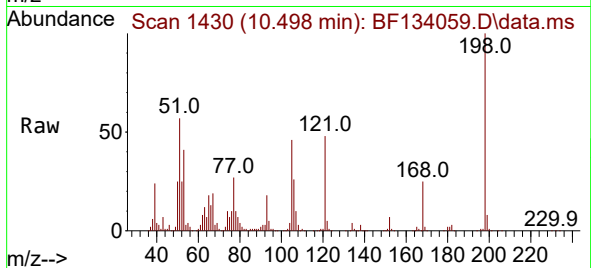
Tgt Ion:188 Resp: 399019
Ion Ratio Lower Upper
188 100
94 8.6 6.4 9.6
80 9.4 7.3 10.9





#65
4,6-Dinitro-2-methylphenol
Concen: 51.608 ng
RT: 10.498 min Scan# 1430
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

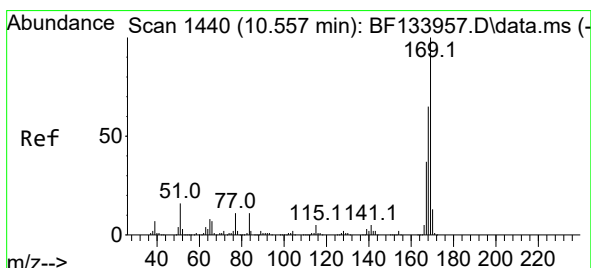
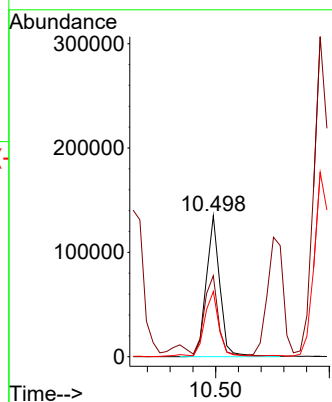
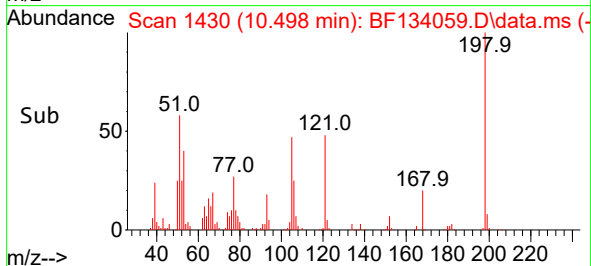
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion:198 Resp: 112269
Ion Ratio Lower Upper
198 100
51 57.4 29.3 69.3
105 46.2 22.4 62.4

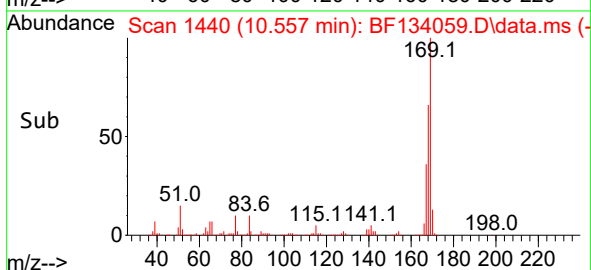
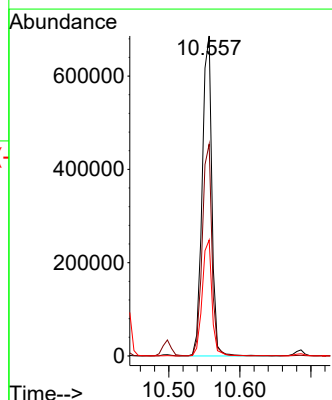
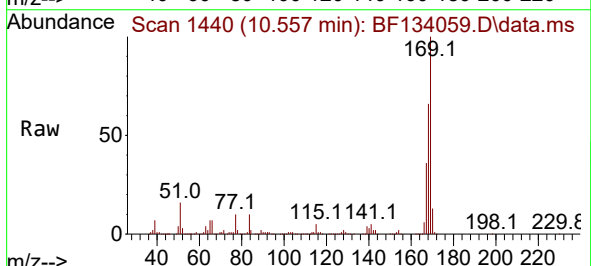
Manual Integrations
APPROVED

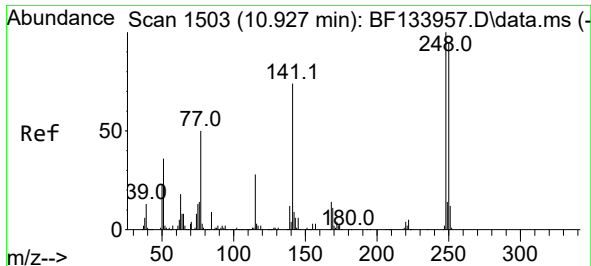
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#66
n-Nitrosodiphenylamine
Concen: 50.785 ng
RT: 10.557 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

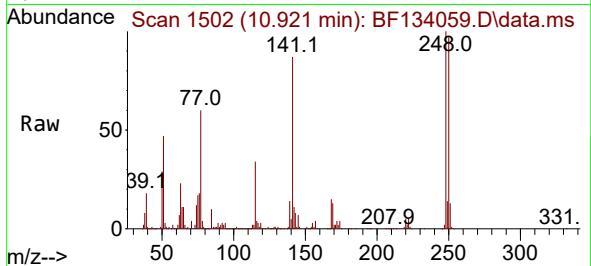
Tgt Ion:169 Resp: 647444
Ion Ratio Lower Upper
169 100
168 66.2 52.3 78.5
167 36.3 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 52.490 ng
RT: 10.921 min Scan# 1502
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

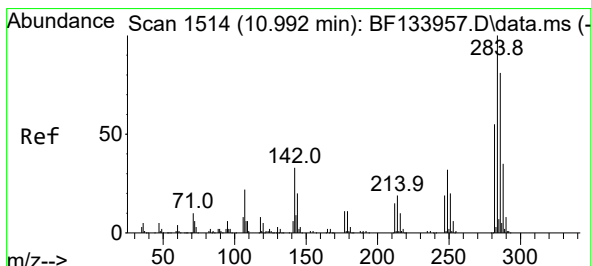
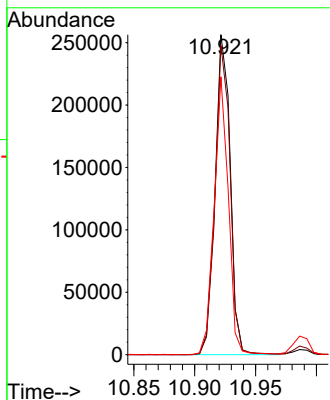
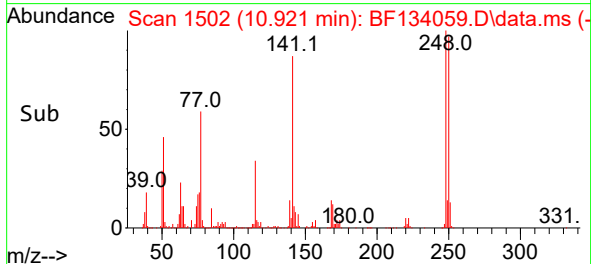
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion:248 Resp: 222614
Ion Ratio Lower Upper
248 100
250 96.7 76.2 114.4
141 86.9 59.0 88.4

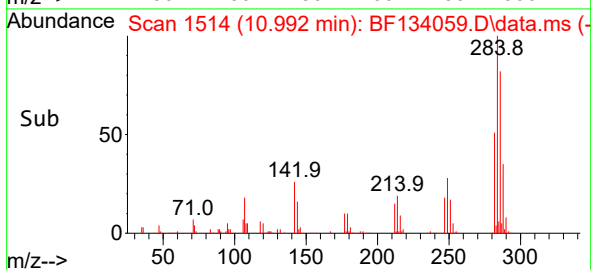
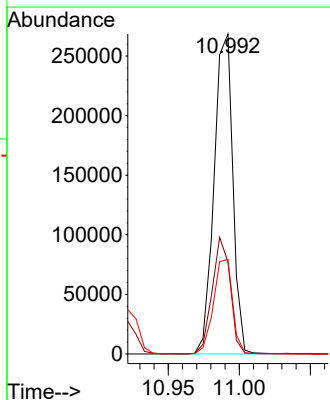
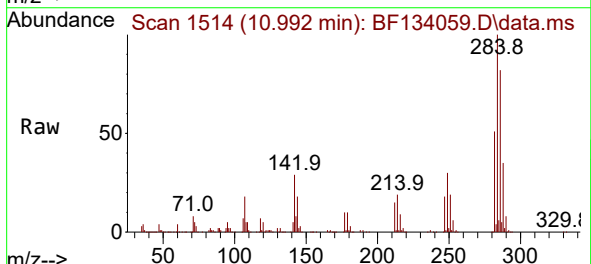
Manual Integrations
APPROVED

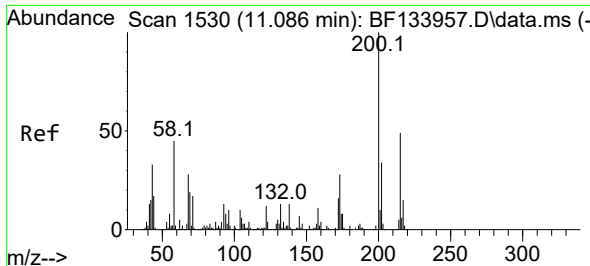
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#68
Hexachlorobenzene
Concen: 54.834 ng
RT: 10.992 min Scan# 1514
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

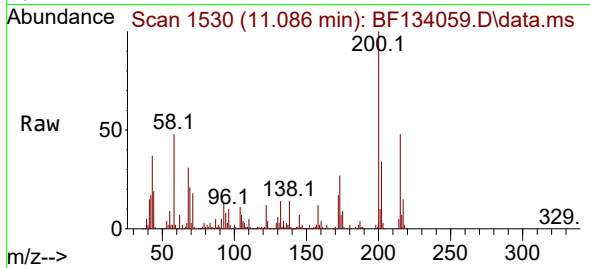
Tgt Ion:284 Resp: 246921
Ion Ratio Lower Upper
284 100
142 28.7 26.6 40.0
249 29.6 25.5 38.3





#69
 Atrazine
 Concen: 59.337 ng
 RT: 11.086 min Scan# 1530
 Delta R.T. -0.000 min
 Lab File: BF134059.D
 Acq: 30 Jun 2023 18:53

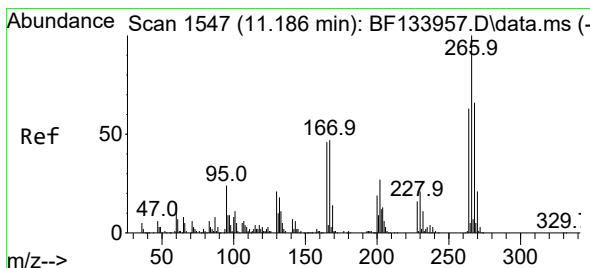
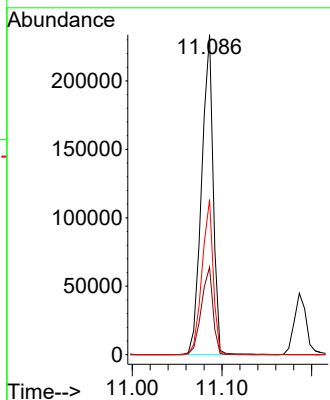
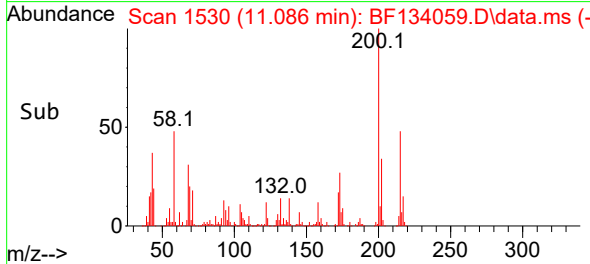
Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MS



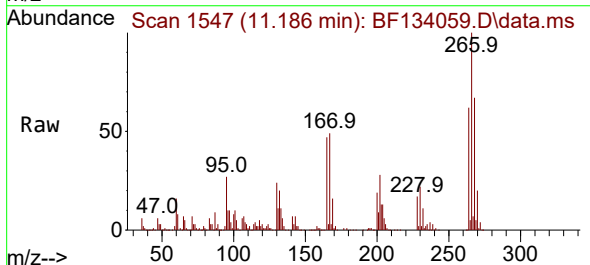
Tgt Ion:200 Resp: 209240
 Ion Ratio Lower Upper
 200 100
 173 27.4 8.0 48.0
 215 48.4 29.3 69.3

Manual Integrations
 APPROVED

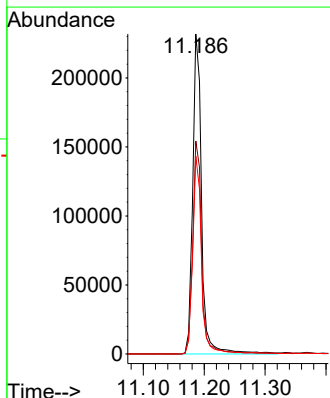
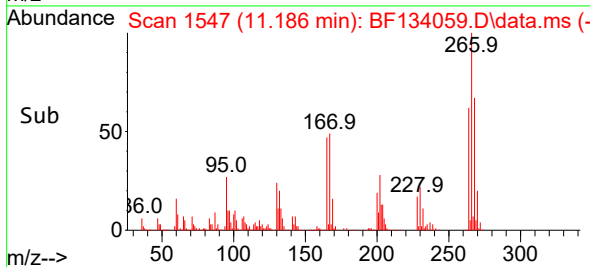
Reviewed By :Yogesh Patel 07/03/2023
 Supervised By :mohammad ahmed 07/07/2023

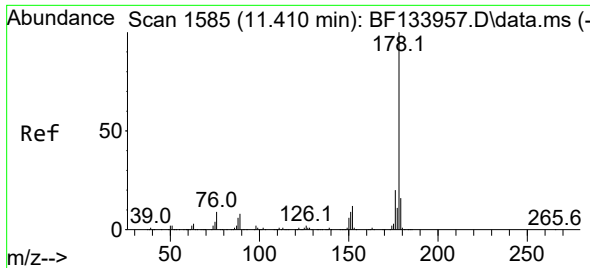


#70
 Pentachlorophenol
 Concen: 87.143 ng
 RT: 11.186 min Scan# 1547
 Delta R.T. -0.006 min
 Lab File: BF134059.D
 Acq: 30 Jun 2023 18:53



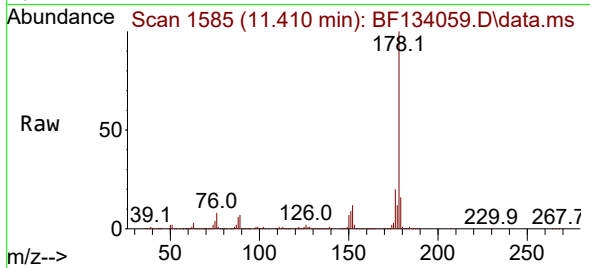
Tgt Ion:266 Resp: 234629
 Ion Ratio Lower Upper
 266 100
 268 66.6 52.6 79.0
 264 61.9 50.6 76.0





#71
Phenanthrene
Concen: 50.033 ng
RT: 11.410 min Scan# 1585
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

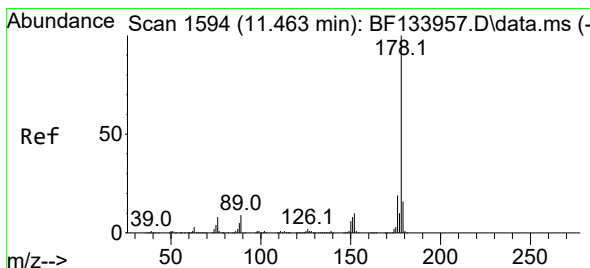
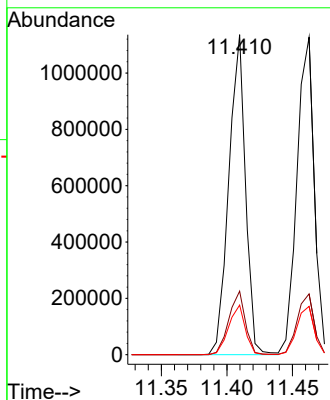
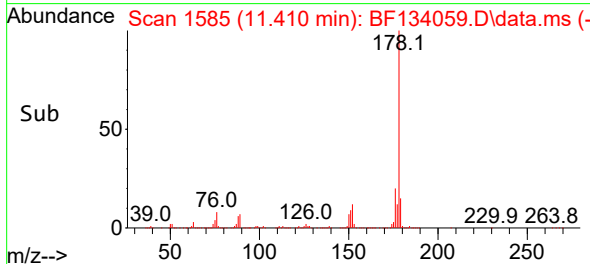
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion:178 Resp: 1005030
Ion Ratio Lower Upper
178 100
176 19.9 16.0 24.0
179 15.5 12.4 18.6

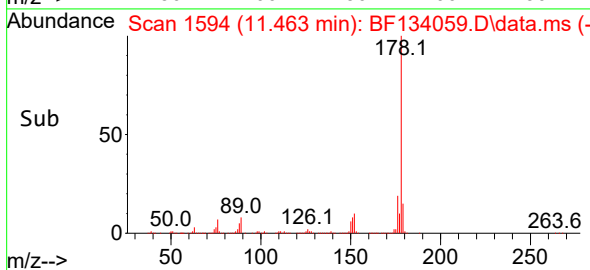
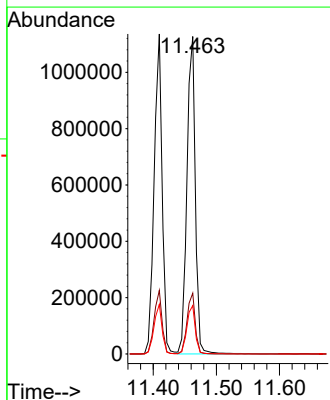
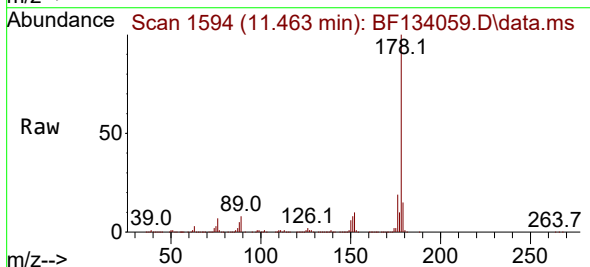
Manual Integrations
APPROVED

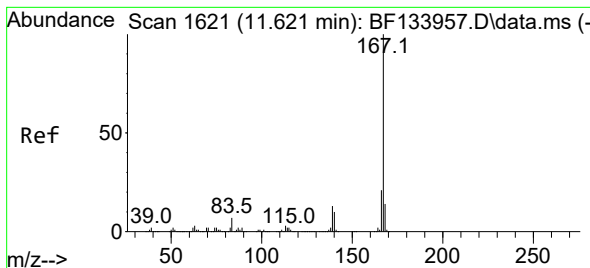
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#72
Anthracene
Concen: 50.032 ng
RT: 11.463 min Scan# 1594
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

Tgt Ion:178 Resp: 1045331
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.2 12.4 18.6





#73

Carbazole

Concen: 48.810 ng

RT: 11.616 min Scan# 1620

Delta R.T. -0.006 min

Lab File: BF134059.D

Acq: 30 Jun 2023 18:53

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MS

Tgt Ion:167 Resp: 933430

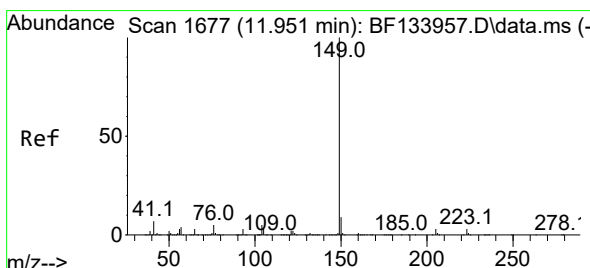
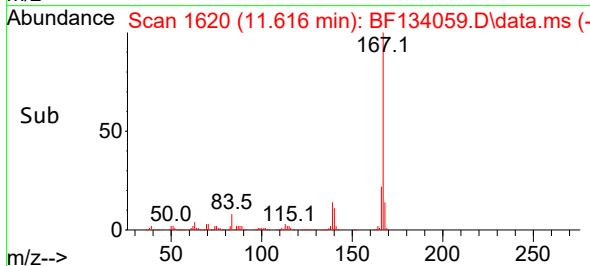
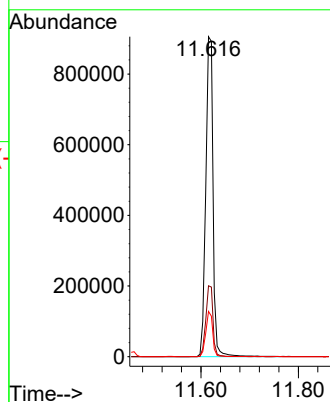
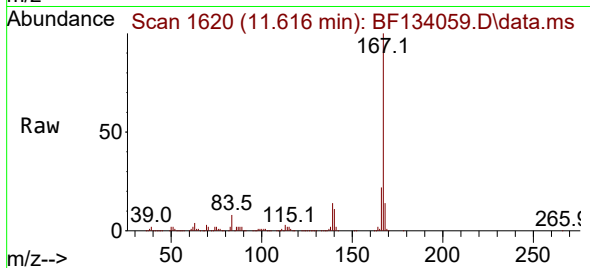
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.0	25.6
139	14.1	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/07/2023



#74

Di-n-butylphthalate

Concen: 53.834 ng

RT: 11.945 min Scan# 1676

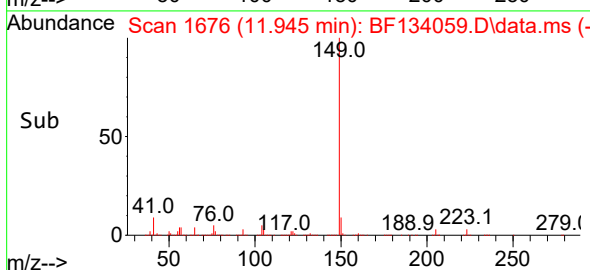
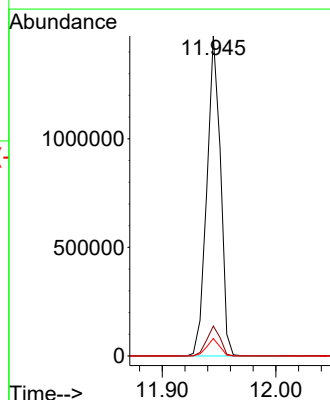
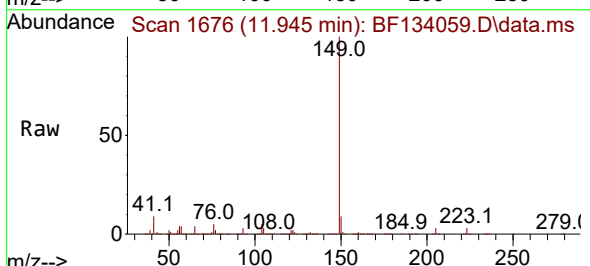
Delta R.T. -0.006 min

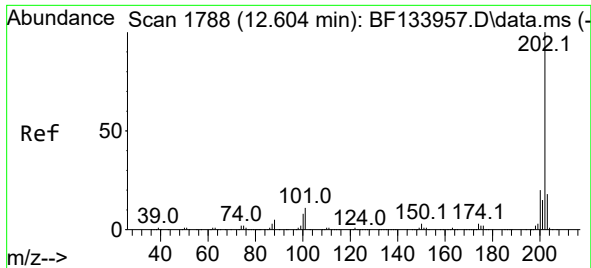
Lab File: BF134059.D

Acq: 30 Jun 2023 18:53

Tgt Ion:149 Resp: 1224261

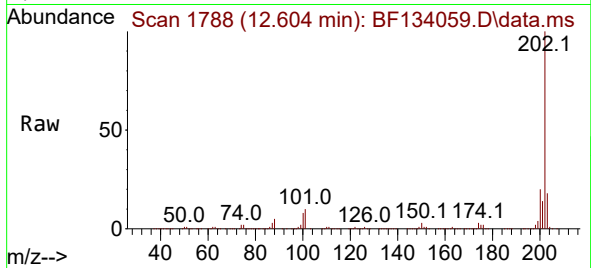
Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.1	10.7
104	5.5	4.0	6.0





#75
Fluoranthene
Concen: 45.330 ng
RT: 12.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

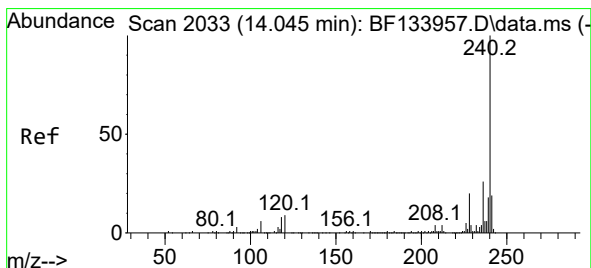
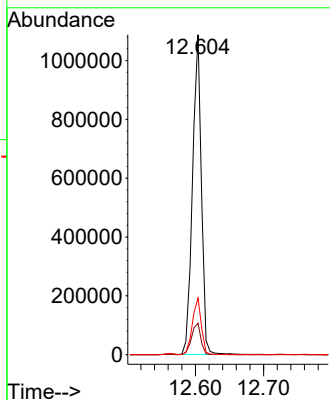
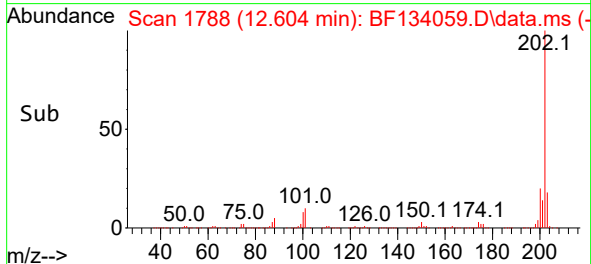
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion:202 Resp: 984404
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.0
203 17.7 0.0 37.6

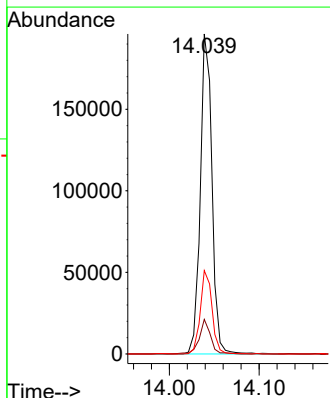
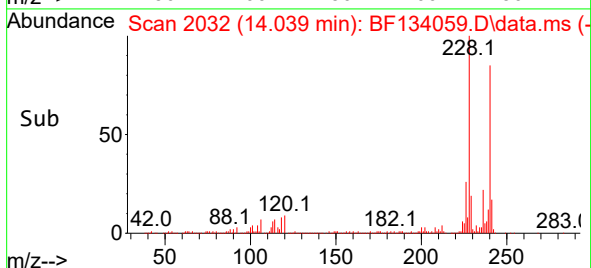
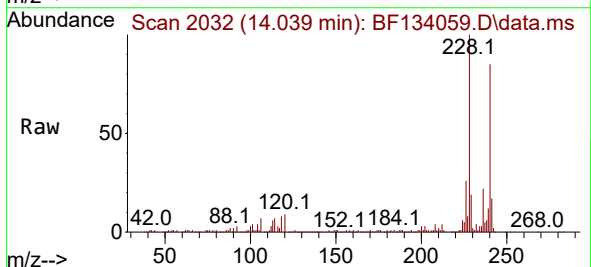
Manual Integrations
APPROVED

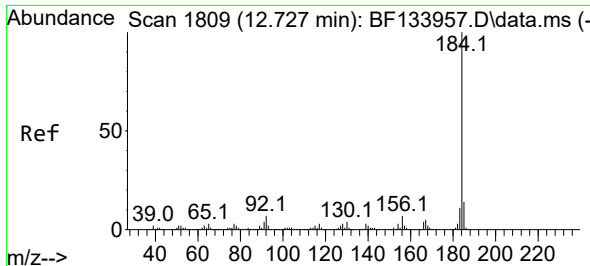
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.012 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

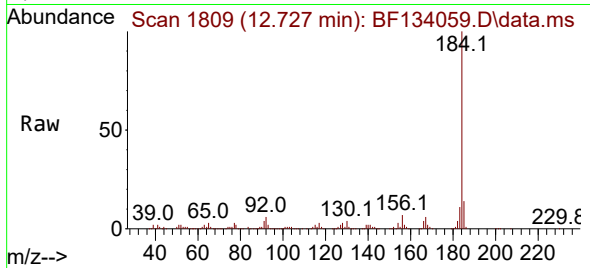
Tgt Ion:240 Resp: 176919
Ion Ratio Lower Upper
240 100
120 10.8 7.4 11.0
236 26.0 21.0 31.6





#77
Benzidine
Concen: 47.720 ng
RT: 12.727 min Scan# 1809
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

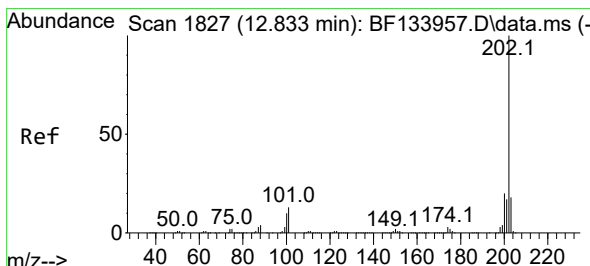
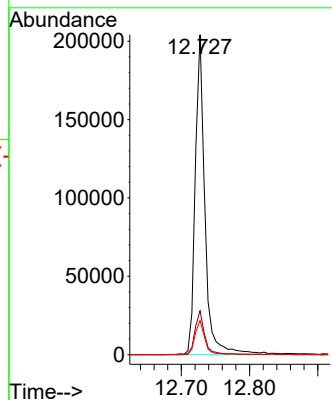
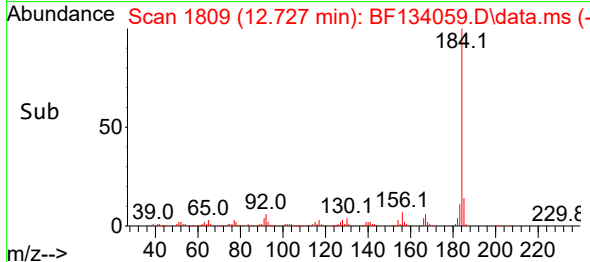
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



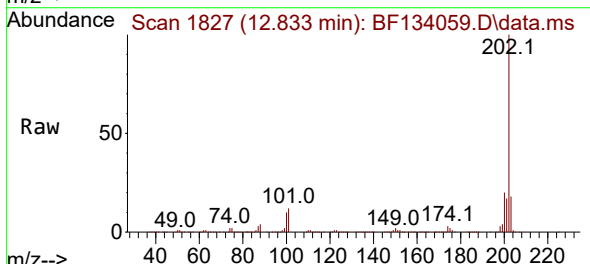
Tgt Ion:184 Resp: 20088
Ion Ratio Lower Upper
184 100
185 13.7 11.6 17.4
183 10.6 8.8 13.2

Manual Integrations
APPROVED

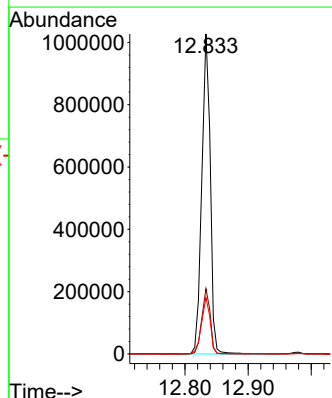
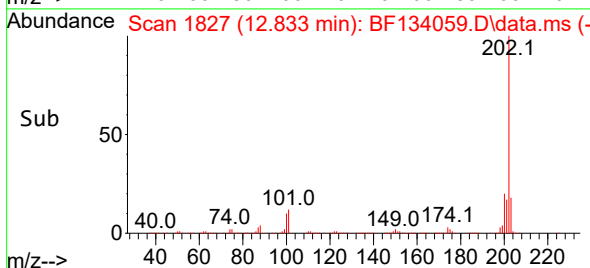
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

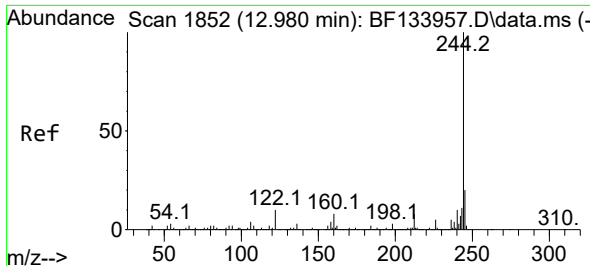


#78
Pyrene
Concen: 58.354 ng
RT: 12.833 min Scan# 1827
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



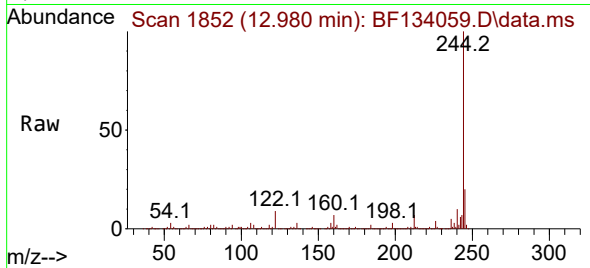
Tgt Ion:202 Resp: 960782
Ion Ratio Lower Upper
202 100
200 20.4 16.1 24.1
203 17.6 14.3 21.5





#79
 Terphenyl-d14
 Concen: 132.821 ng
 RT: 12.980 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF134059.D
 Acq: 30 Jun 2023 18:53

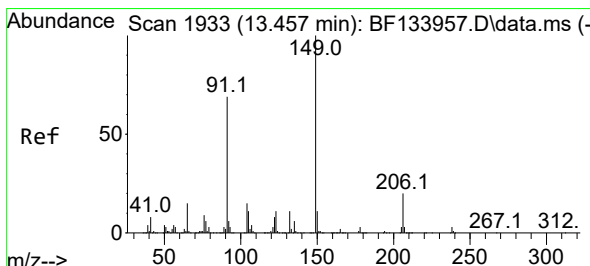
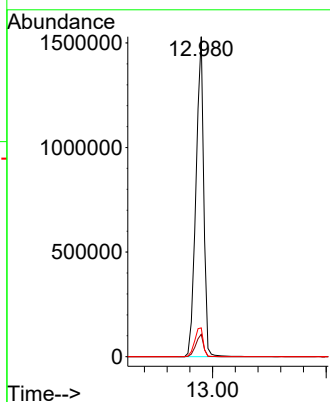
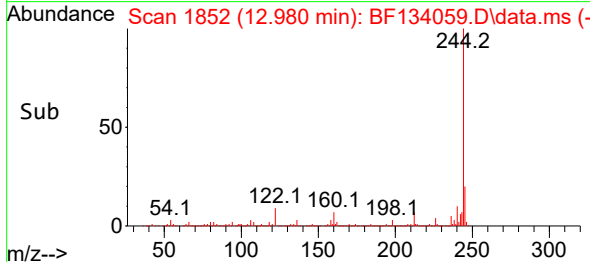
Instrument :
 BNA_F
 ClientSampleId :
 PNNL-APM-0621-1MS



Tgt Ion:244 Resp: 1460068
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 9.0 8.3 12.5

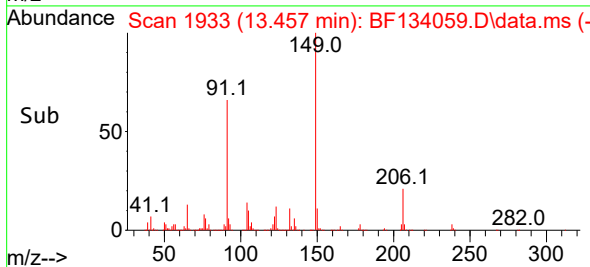
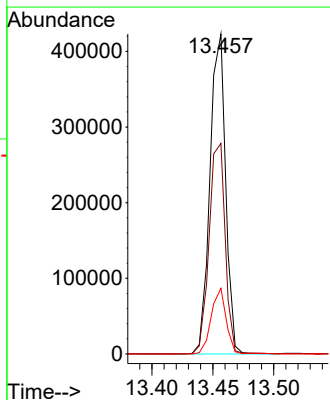
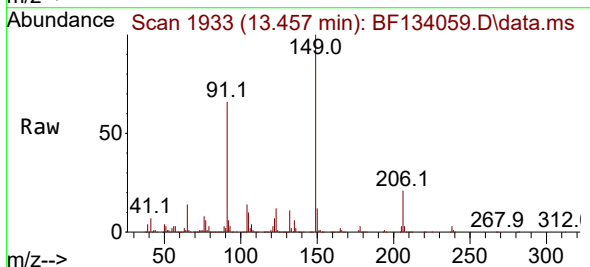
Manual Integrations
 APPROVED

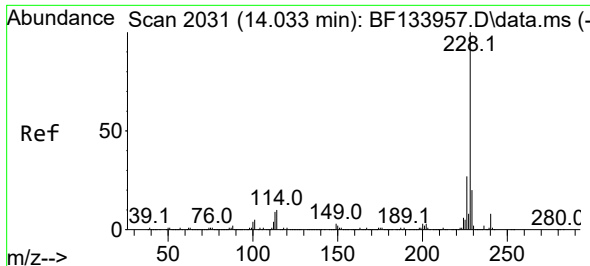
Reviewed By :Yogesh Patel 07/03/2023
 Supervised By :mohammad ahmed 07/07/2023



#80
 Butylbenzylphthalate
 Concen: 61.184 ng
 RT: 13.457 min Scan# 1933
 Delta R.T. -0.000 min
 Lab File: BF134059.D
 Acq: 30 Jun 2023 18:53

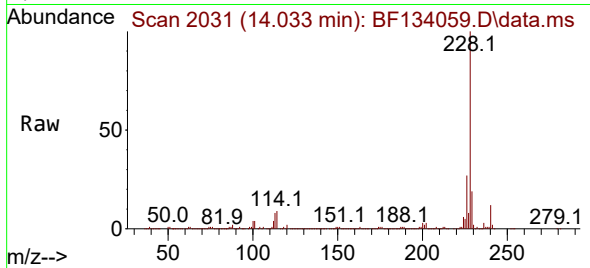
Tgt Ion:149 Resp: 377812
 Ion Ratio Lower Upper
 149 100
 91 65.8 55.1 82.7
 206 20.5 15.7 23.5





#81
Benzo(a)anthracene
Concen: 50.492 ng
RT: 14.033 min Scan# 2031
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

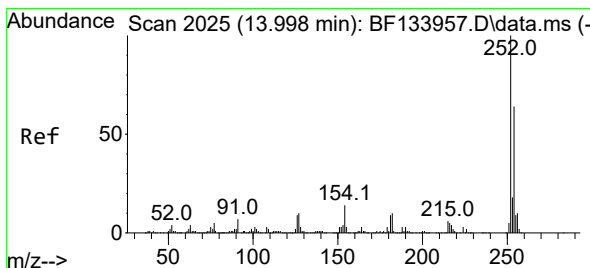
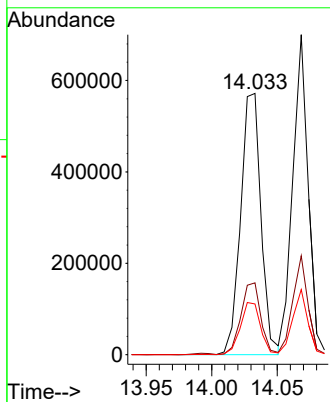
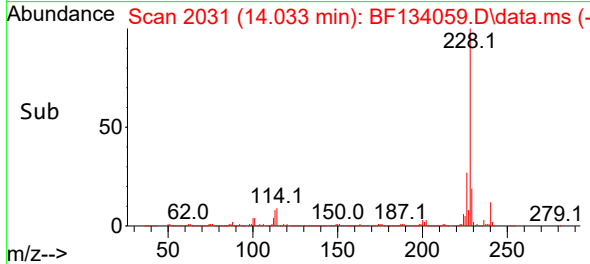
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



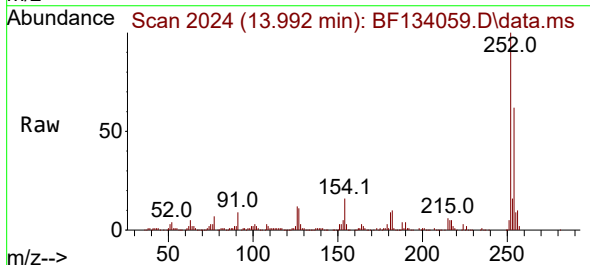
Tgt Ion:228 Resp: 619519
Ion Ratio Lower Upper
228 100
226 27.5 22.0 33.0
229 19.4 16.3 24.5

Manual Integrations
APPROVED

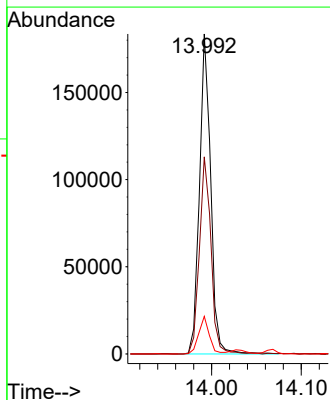
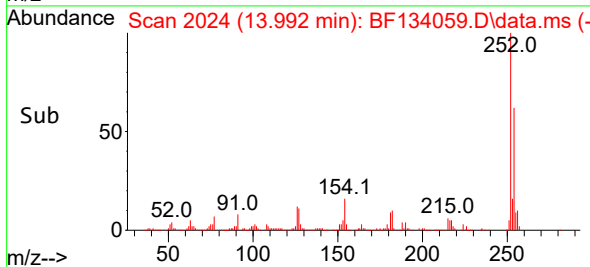
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023

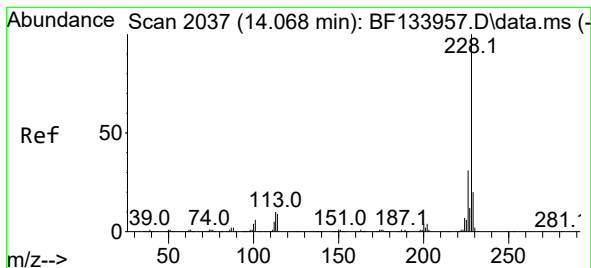


#82
3,3'-Dichlorobenzidine
Concen: 40.919 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53



Tgt Ion:252 Resp: 159062
Ion Ratio Lower Upper
252 100
254 61.6 51.4 77.0
126 11.8 7.4 11.2#





#83

Chrysene

Concen: 48.985 ng

RT: 14.068 min Scan# 2037

Delta R.T. -0.006 min

Lab File: BF134059.D

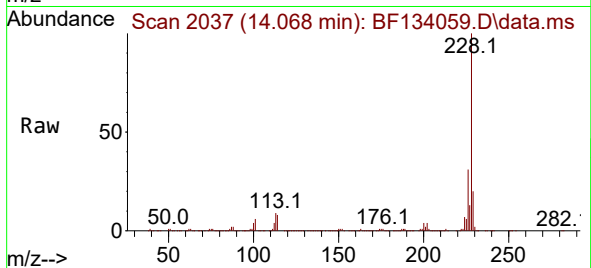
Acq: 30 Jun 2023 18:53

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MS



Tgt Ion:228 Resp: 58213

Ion Ratio Lower Upper

228 100

226 30.9 24.4 36.6

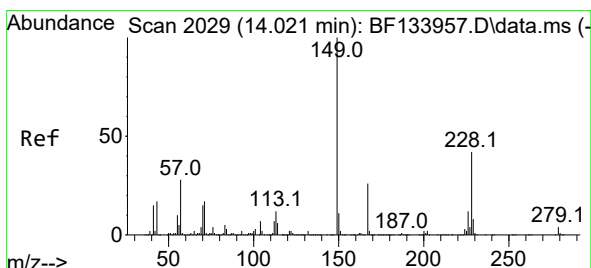
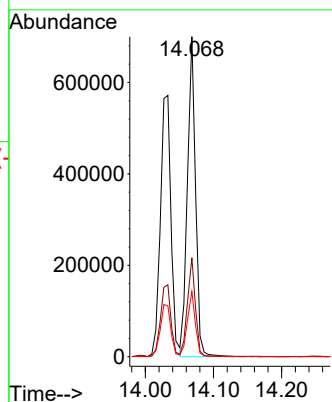
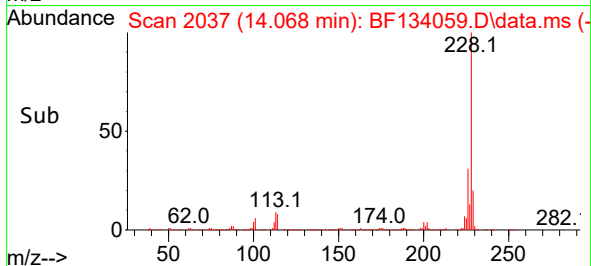
229 20.4 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/07/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 64.405 ng

RT: 14.015 min Scan# 2028

Delta R.T. -0.006 min

Lab File: BF134059.D

Acq: 30 Jun 2023 18:53

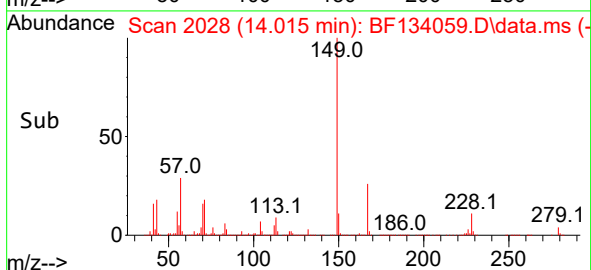
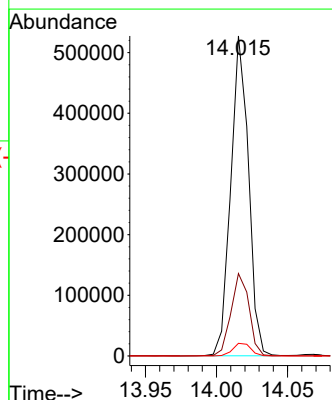
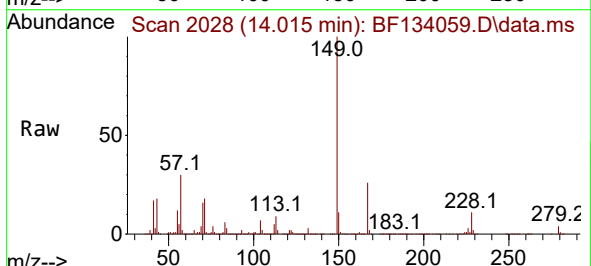
Tgt Ion:149 Resp: 456988

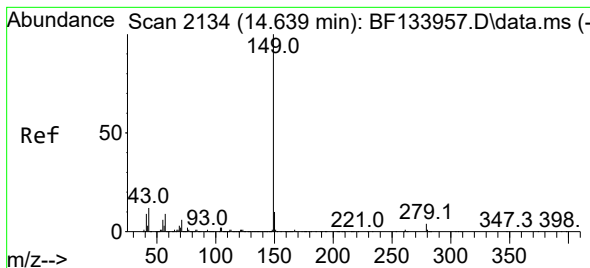
Ion Ratio Lower Upper

149 100

167 25.7 21.0 31.4

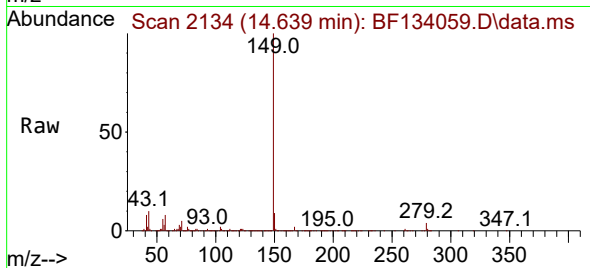
279 3.9 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 66.543 ng
RT: 14.639 min Scan# 2134
Delta R.T. -0.000 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

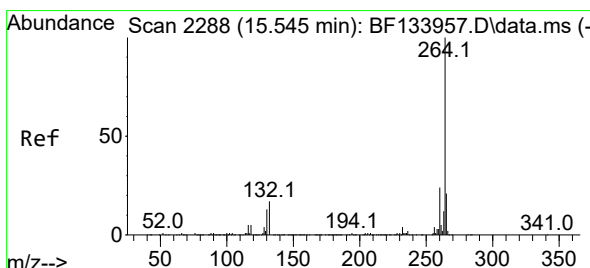
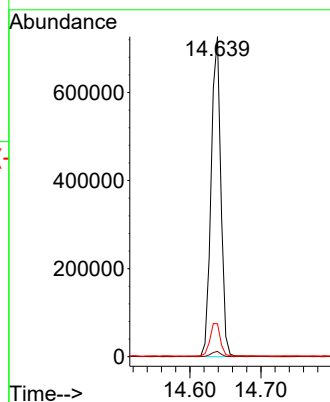
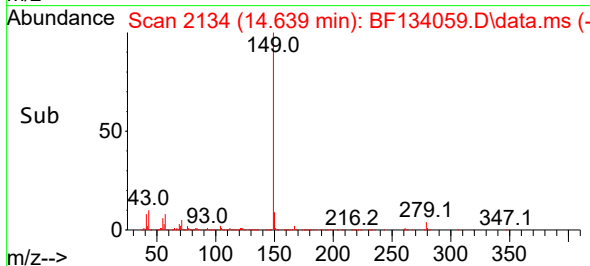
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion:149 Resp: 69377
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 10.8 9.0 13.4

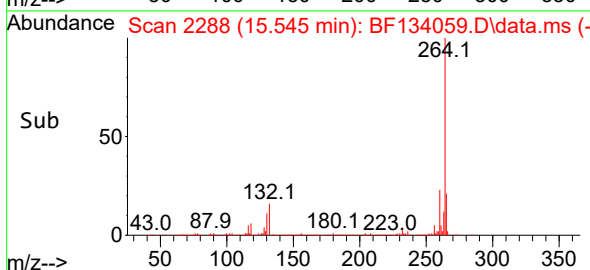
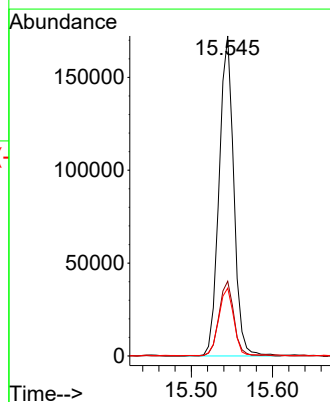
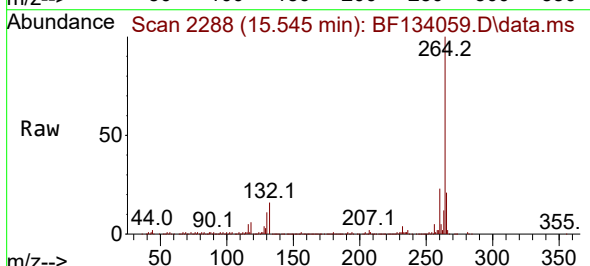
Manual Integrations
APPROVED

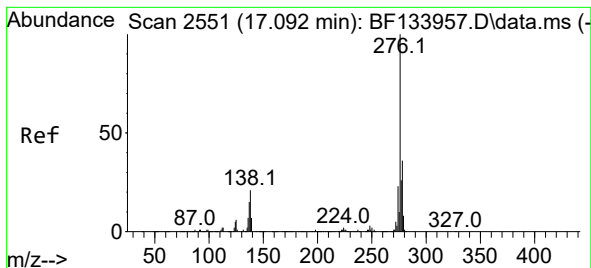
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2288
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

Tgt Ion:264 Resp: 217312
Ion Ratio Lower Upper
264 100
260 23.4 19.5 29.3
265 21.2 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 57.448 ng

RT: 17.098 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF134059.D

Acq: 30 Jun 2023 18:53

Instrument :

BNA_F

ClientSampleId :

PNNL-APM-0621-1MS

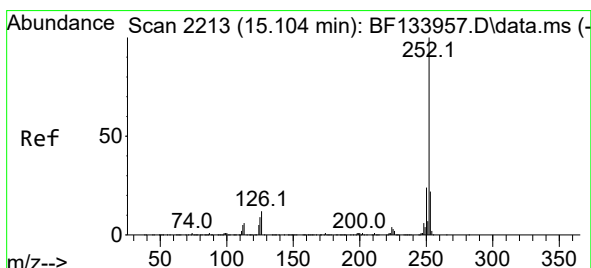
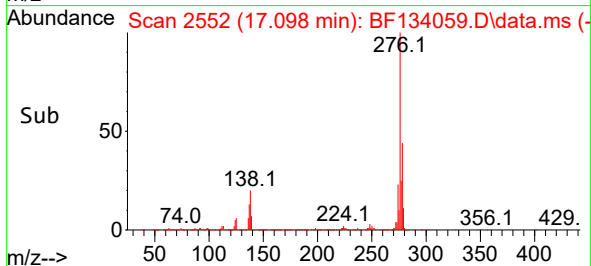
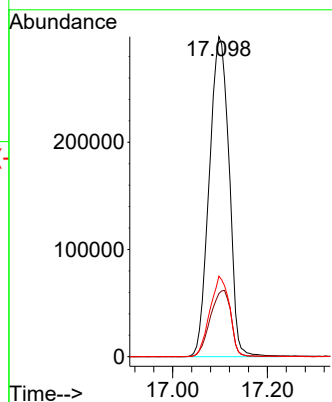
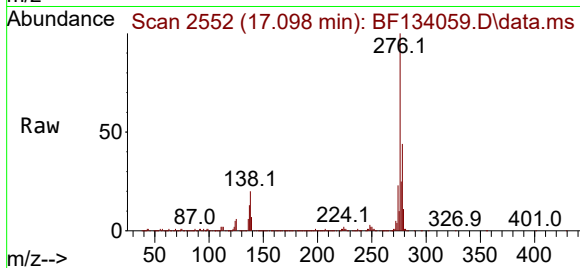
Tgt Ion:	276	Resp:	86627
Ion Ratio	Lower	Upper	
276	100		
138	21.8	18.7	28.1
277	25.1	19.9	29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/03/2023

Supervised By :mohammad ahmed 07/07/2023



#88

Benzo(b)fluoranthene

Concen: 51.133 ng

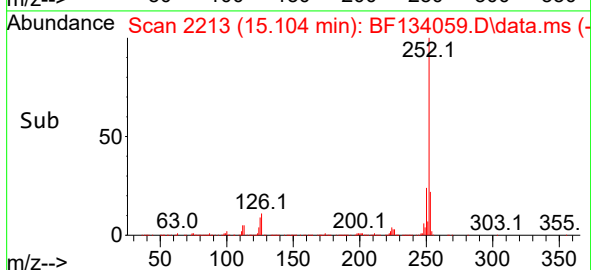
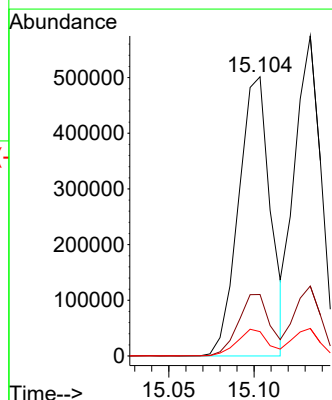
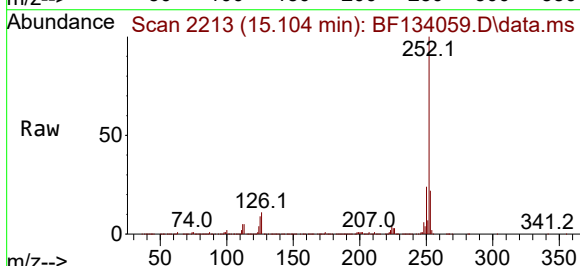
RT: 15.104 min Scan# 2213

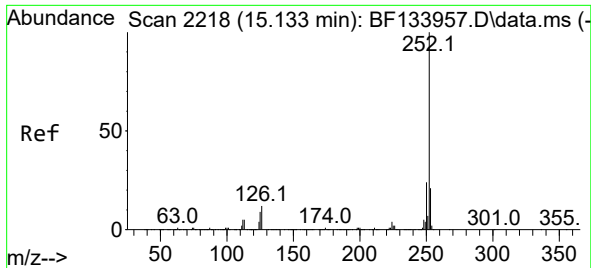
Delta R.T. -0.006 min

Lab File: BF134059.D

Acq: 30 Jun 2023 18:53

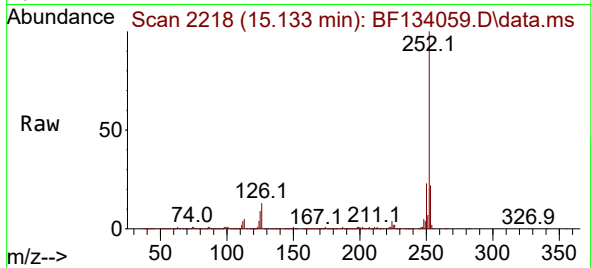
Tgt Ion:	252	Resp:	653386
Ion Ratio	Lower	Upper	
252	100		
253	22.0	17.4	26.0
125	8.7	7.1	10.7





#89
Benzo(k)fluoranthene
Concen: 47.942 ng
RT: 15.133 min Scan# 2218
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

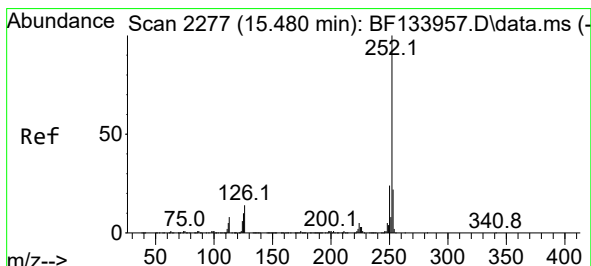
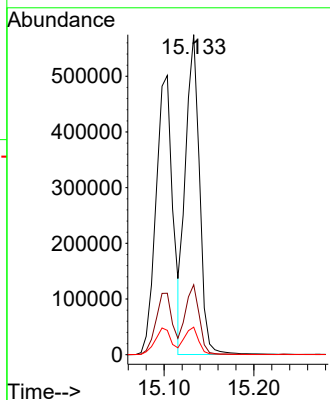
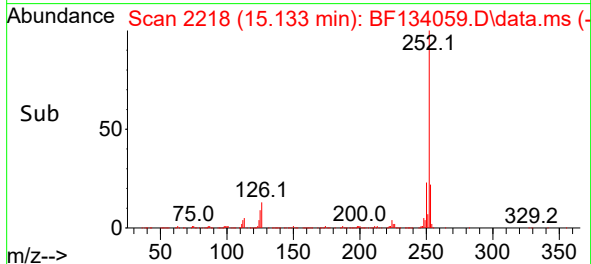
Instrument :
BNA_F
ClientSampleId :
PNNL-APM-0621-1MS



Tgt Ion:252 Resp: 623725
Ion Ratio Lower Upper
252 100
253 21.8 16.9 25.3
125 8.6 7.4 11.2

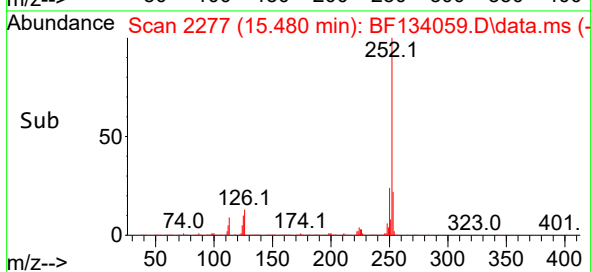
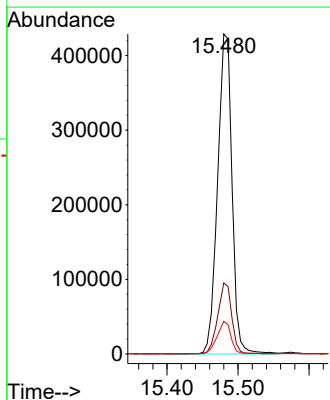
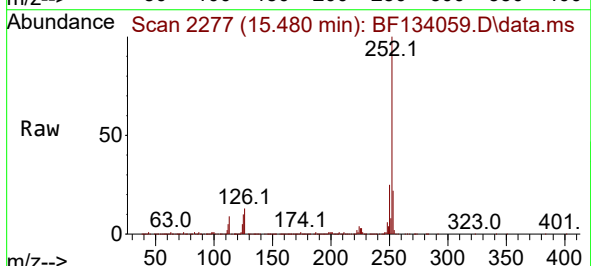
Manual Integrations
APPROVED

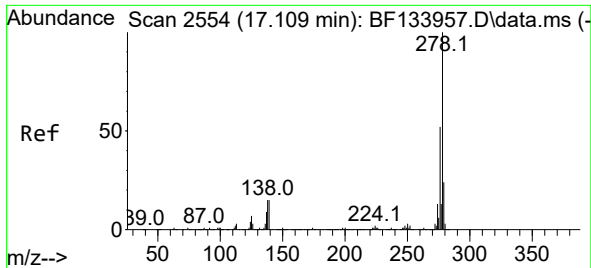
Reviewed By :Yogesh Patel 07/03/2023
Supervised By :mohammad ahmed 07/07/2023



#90
Benzo(a)pyrene
Concen: 48.750 ng
RT: 15.480 min Scan# 2277
Delta R.T. -0.012 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

Tgt Ion:252 Resp: 602367
Ion Ratio Lower Upper
252 100
253 22.2 17.4 26.0
125 10.2 8.4 12.6





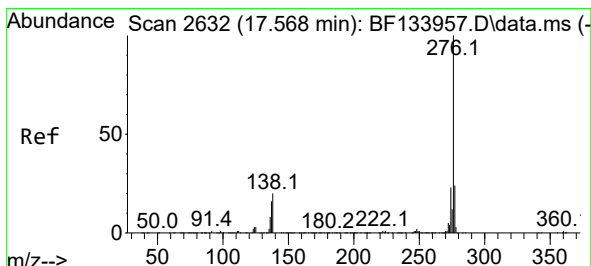
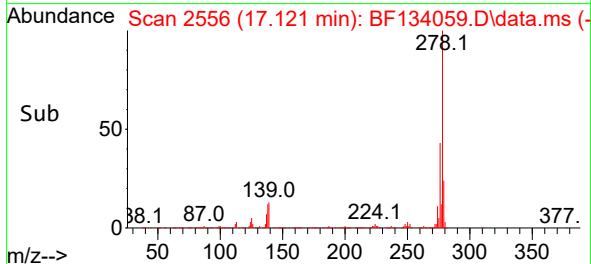
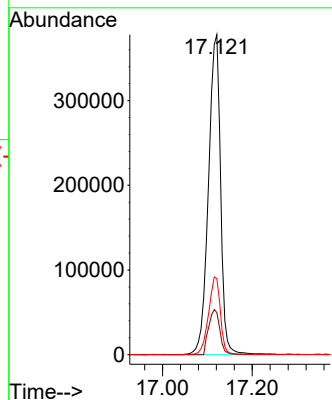
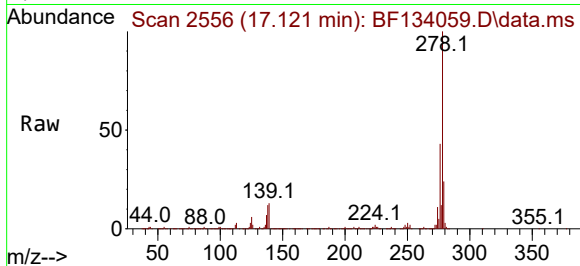
#91
Dibenzo(a,h)anthracene
Concen: 57.698 ng
RT: 17.121 min Scan# 2554
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

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

Tgt Ion:278 Resp: 71064
Ion Ratio Lower Upper
278 100
139 13.2 12.2 18.4
279 23.7 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: 55.030 ng
RT: 17.574 min Scan# 2633
Delta R.T. -0.006 min
Lab File: BF134059.D
Acq: 30 Jun 2023 18:53

Tgt Ion:276 Resp: 698956
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.6
138 18.8 16.2 24.2

