

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082523\
 Data File : BF134940.D
 Acq On : 25 Aug 2023 14:47
 Operator : CG\JU
 Sample : 04146-01MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023

Quant Time: Aug 25 15:08:11 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082223.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 22 19:33:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	79139	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	310832	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	153297	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	289144	20.000	ng	-0.01
76) Chrysene-d12	13.974	240	173839	20.000	ng	0.00
86) Perylene-d12	15.439	264	186721	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	426629	85.966	ng	0.00
7) Phenol-d6	6.428	99	516923	81.514	ng	-0.01
23) Nitrobenzene-d5	7.351	82	308234	54.643	ng	-0.01
42) 2,4,6-Tribromophenol	10.616	330	143015	79.213	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	539016	54.356	ng	-0.01
79) Terphenyl-d14	12.910	244	599111	47.401	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.510	88	87968	40.844	ng	99
3) Pyridine	3.263	79	223012	38.424	ng	99
4) n-Nitrosodimethylamine	3.216	42	117752	45.887	ng	98
6) Aniline	6.451	93	266086	33.949	ng	99
8) 2-Chlorophenol	6.575	128	248345	47.690	ng	99
9) Benzaldehyde	6.340	77	95858	27.561	ng	98
10) Phenol	6.440	94	307726	47.396	ng	89
11) bis(2-Chloroethyl)ether	6.528	93	228658	46.428	ng	99
12) 1,3-Dichlorobenzene	6.728	146	264839	48.762	ng	97
13) 1,4-Dichlorobenzene	6.804	146	269846	49.640	ng	98
14) 1,2-Dichlorobenzene	6.957	146	255650	50.737	ng	97
15) Benzyl Alcohol	6.934	79	210140	47.692	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	319326	44.775	ng	99
17) 2-Methylphenol	7.045	107	191588	42.510	ng	99
18) Hexachloroethane	7.298	117	82928	42.151	ng	96
19) n-Nitroso-di-n-propyla...	7.198	70	160845	43.428	ng	99
20) 3+4-Methylphenols	7.198	107	238646	49.743	ng	96
22) Acetophenone	7.198	105	324330	47.208	ng	# 95
24) Nitrobenzene	7.369	77	245308	43.339	ng	99
25) Isophorone	7.610	82	446669	42.406	ng	98
26) 2-Nitrophenol	7.687	139	107727	38.229	ng	93
27) 2,4-Dimethylphenol	7.728	122	194912	42.408	ng	96
28) bis(2-Chloroethoxy)met...	7.822	93	273688	43.596	ng	100
29) 2,4-Dichlorophenol	7.928	162	194386	42.805	ng	99
30) 1,2,4-Trichlorobenzene	8.010	180	221589	45.962	ng	99
31) Naphthalene	8.092	128	694609	44.754	ng	99
32) Benzoic acid	7.840	122	131387	38.736	ng	97
33) 4-Chloroaniline	8.139	127	172054	25.837	ng	98
34) Hexachlorobutadiene	8.204	225	131554	45.880	ng	99
35) Caprolactam	8.504	113	65509m	46.211	ng	
36) 4-Chloro-3-methylphenol	8.628	107	204803	42.736	ng	99
37) 2-Methylnaphthalene	8.781	142	439582	42.469	ng	99
38) 1-Methylnaphthalene	8.881	142	412116	42.580	ng	98
40) 1,2,4,5-Tetrachloroben...	8.945	216	211982	45.381	ng	99
41) Hexachlorocyclopentadiene	8.934	237	142323	68.818	ng	98
43) 2,4,6-Trichlorophenol	9.063	196	133830	43.381	ng	98

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Instrument :
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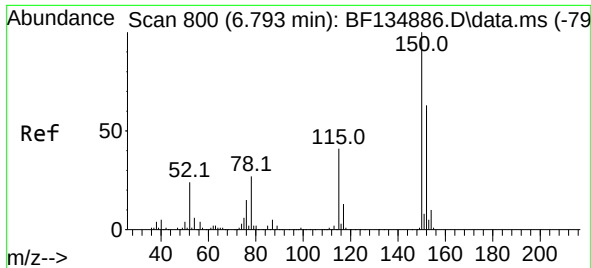
Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 08/26/2023
 Supervised By :mohammad ahmed 08/26/2023

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.104	196	143213	40.097	ng	96
46) 1,1'-Biphenyl	9.245	154	547243	45.217	ng	99
47) 2-Chloronaphthalene	9.269	162	405029	44.813	ng	98
48) 2-Nitroaniline	9.369	65	135809	45.711	ng	95
49) Acenaphthylene	9.686	152	652952	46.911	ng	100
50) Dimethylphthalate	9.551	163	492565	45.140	ng	99
51) 2,6-Dinitrotoluene	9.616	165	106071	44.073	ng	95
52) Acenaphthene	9.863	154	391173	44.611	ng	100
53) 3-Nitroaniline	9.781	138	111594	42.453	ng	97
54) 2,4-Dinitrophenol	9.892	184	77856	68.371	ng	# 88
55) Dibenzofuran	10.033	168	582458	45.624	ng	98
56) 4-Nitrophenol	9.951	139	173051	94.467	ng	98
57) 2,4-Dinitrotoluene	10.022	165	137576	46.223	ng	95
58) Fluorene	10.381	166	451869	46.668	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.151	232	121544	43.678	ng	98
60) Diethylphthalate	10.257	149	472764	47.289	ng	97
61) 4-Chlorophenyl-phenyle...	10.369	204	220848	45.499	ng	95
62) 4-Nitroaniline	10.398	138	118432	48.196	ng	99
63) Azobenzene	10.533	77	441477	44.452	ng	96
65) 4,6-Dinitro-2-methylph...	10.428	198	58588	34.340	ng	96
66) n-Nitrosodiphenylamine	10.492	169	404756	43.470	ng	100
67) 4-Bromophenyl-phenylether	10.863	248	142620	42.754	ng	95
68) Hexachlorobenzene	10.928	284	157747	44.463	ng	96
69) Atrazine	11.022	200	137014	54.189	ng	99
70) Pentachlorophenol	11.122	266	142856	66.909	ng	97
71) Phenanthrene	11.345	178	709416	46.821	ng	99
72) Anthracene	11.392	178	705610	45.452	ng	99
73) Carbazole	11.551	167	624511	48.819	ng	99
74) Di-n-butylphthalate	11.892	149	746101	50.854	ng	99
75) Fluoranthene	12.539	202	769460	53.597	ng	99
77) Benzidine	12.663	184	164311	58.256	ng	100
78) Pyrene	12.769	202	755783	41.005	ng	99
80) Butylbenzylphthalate	13.398	149	277194	49.362	ng	99
81) Benzo(a)anthracene	13.963	228	541445	45.651	ng	100
82) 3,3'-Dichlorobenzidine	13.927	252	158659	42.265	ng	99
83) Chrysene	13.998	228	527803	45.102	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	339245	55.769	ng	100
85) Di-n-octyl phthalate	14.580	149	539886	54.428	ng	99
87) Indeno(1,2,3-cd)pyrene	16.933	276	550397	41.239	ng	99
88) Benzo(b)fluoranthene	15.015	252	520602	49.418	ng	98
89) Benzo(k)fluoranthene	15.045	252	488566	47.228	ng	99
90) Benzo(a)pyrene	15.380	252	458809	43.627	ng	99
91) Dibenzo(a,h)anthracene	16.951	278	457925	42.404	ng	98
92) Benzo(g,h,i)perylene	17.386	276	426897	38.617	ng	99

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



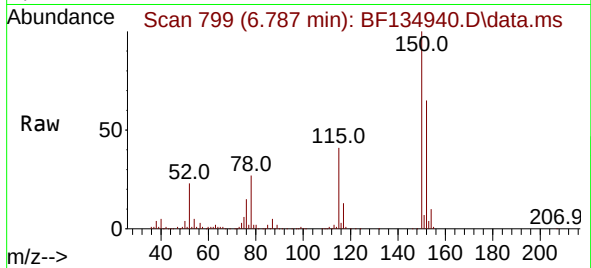
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

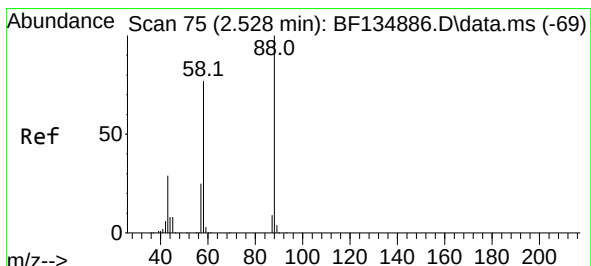
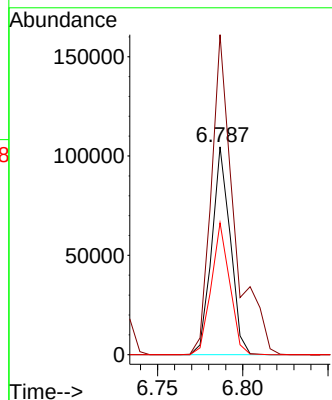
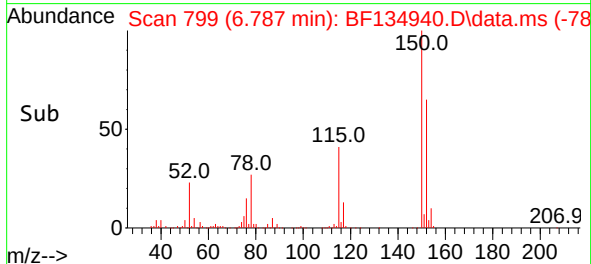


Tgt Ion:152 Resp: 79139
Ion Ratio Lower Upper
152 100
150 154.0 126.1 189.1
115 63.4 51.1 76.7

Manual Integrations

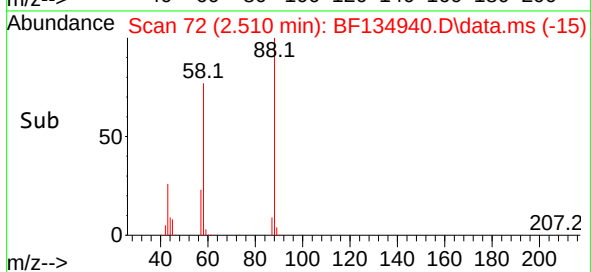
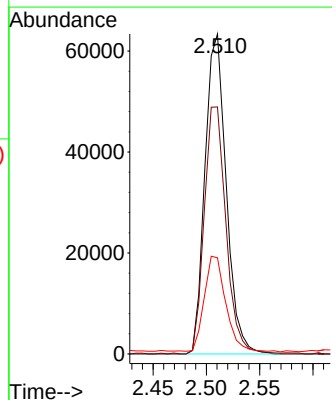
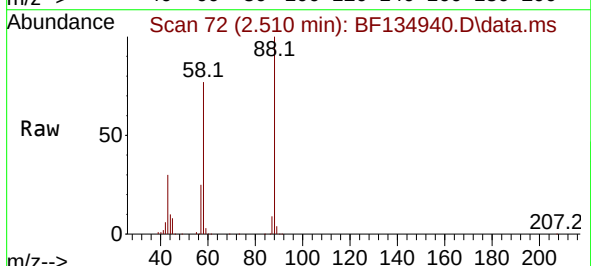
APPROVED

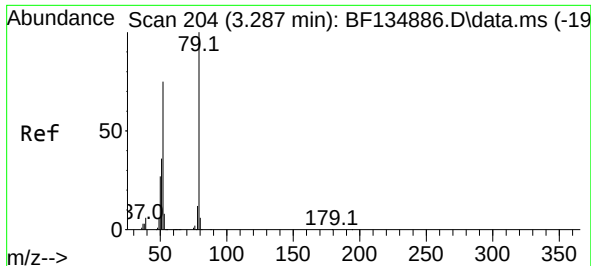
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#2
1,4-Dioxane
Concen: 40.844 ng
RT: 2.510 min Scan# 72
Delta R.T. -0.018 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion: 88 Resp: 87968
Ion Ratio Lower Upper
88 100
58 79.2 62.6 93.8
43 30.4 23.3 34.9





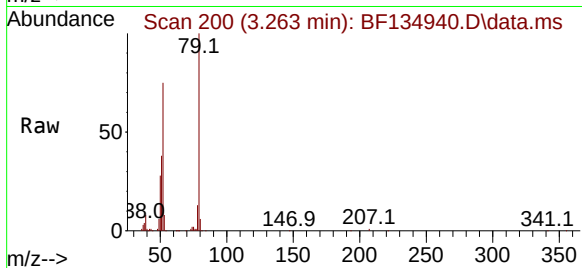
#3
Pyridine
Concen: 38.424 ng
RT: 3.263 min Scan# 204
Delta R.T. -0.024 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

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72-12013MSD



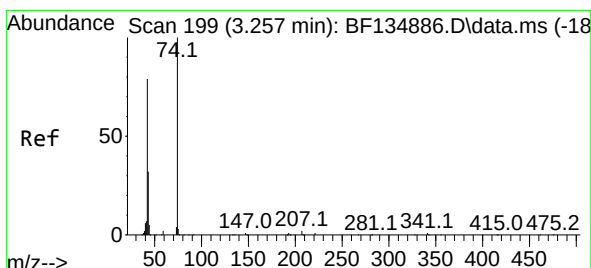
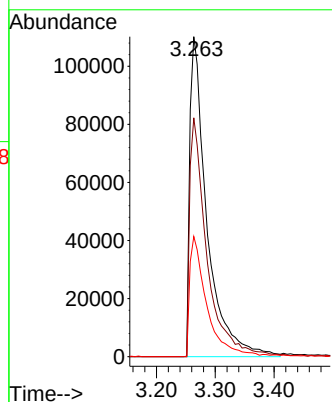
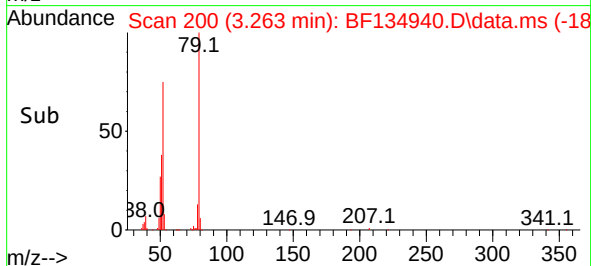
Tgt Ion: 79 Resp: 223012
Ion Ratio Lower Upper
79 100
52 74.7 60.1 90.1
51 37.6 29.4 44.0

Manual Integrations

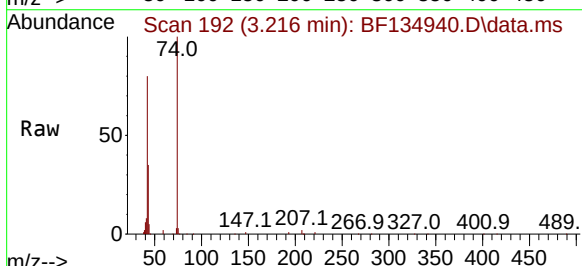
APPROVED

Reviewed By :Yogesh Patel 08/26/2023

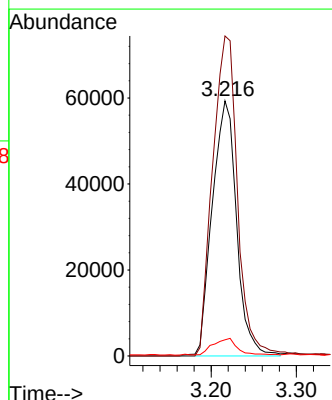
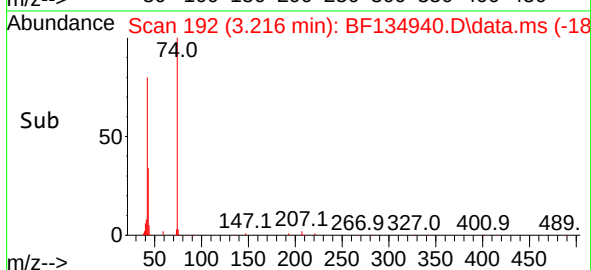
Supervised By :mohammad ahmed 08/26/2023

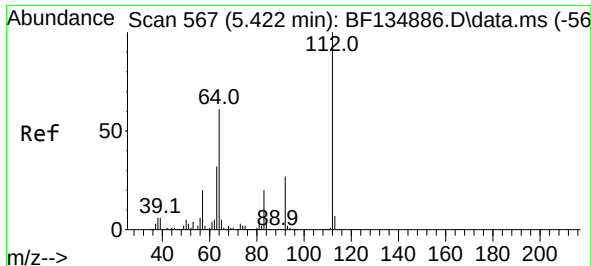


#4
n-Nitrosodimethylamine
Concen: 45.887 ng
RT: 3.216 min Scan# 192
Delta R.T. -0.041 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47



Tgt Ion: 42 Resp: 117752
Ion Ratio Lower Upper
42 100
74 125.5 101.8 152.8
44 6.4 5.4 8.0





#5
2-Fluorophenol
Concen: 85.966 ng
RT: 5.416 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

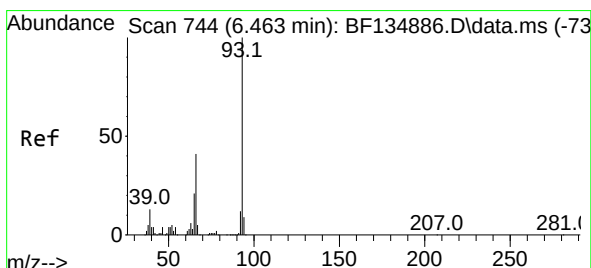
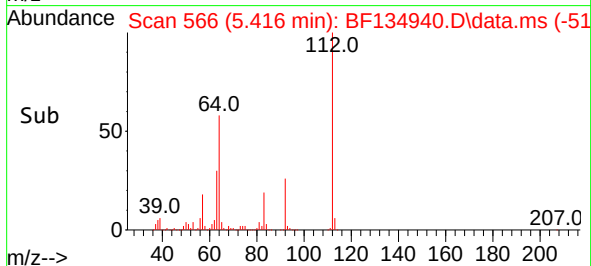
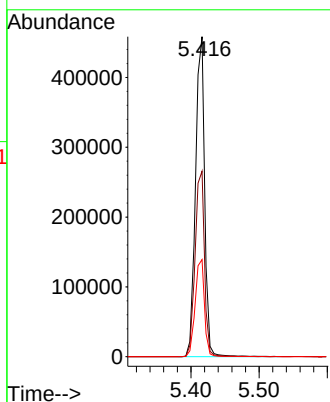
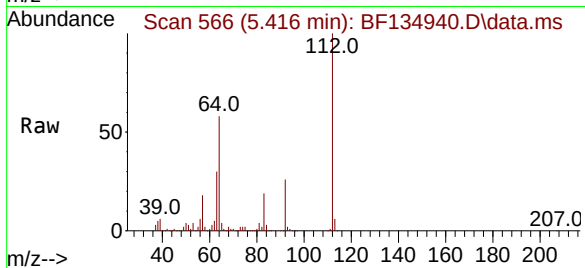
72-12013MSD

Tgt Ion:112 Resp: 426629
Ion Ratio Lower Upper
112 100
64 58.0 48.6 73.0
63 30.3 25.7 38.5

Manual Integrations

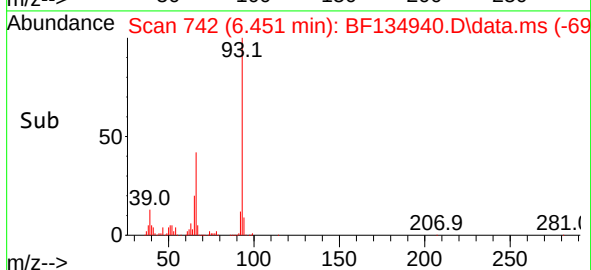
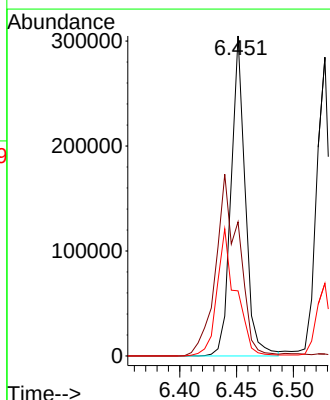
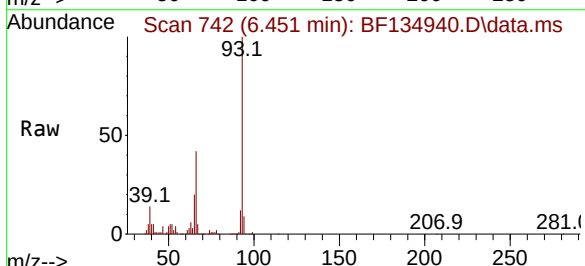
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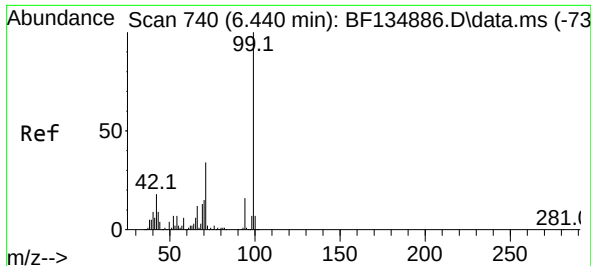
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#6
Aniline
Concen: 33.949 ng
RT: 6.451 min Scan# 742
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

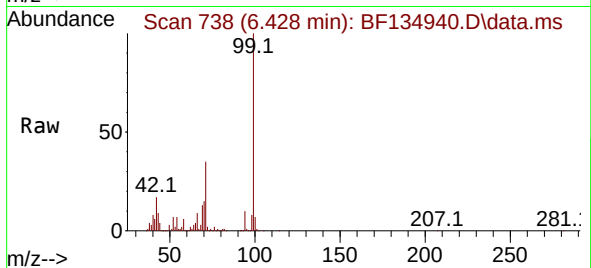
Tgt Ion: 93 Resp: 266086
Ion Ratio Lower Upper
93 100
66 41.9 32.7 49.1
65 20.4 16.7 25.1





#7
Phenol-d6
Concen: 81.514 ng
RT: 6.428 min Scan# 713
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

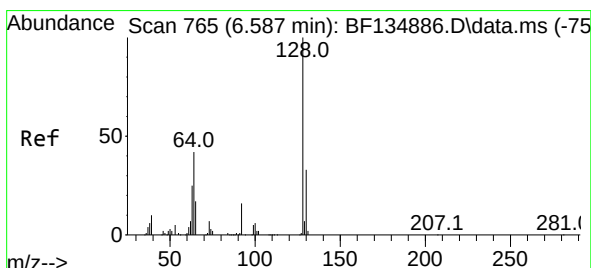
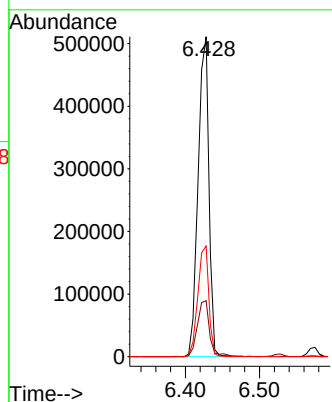
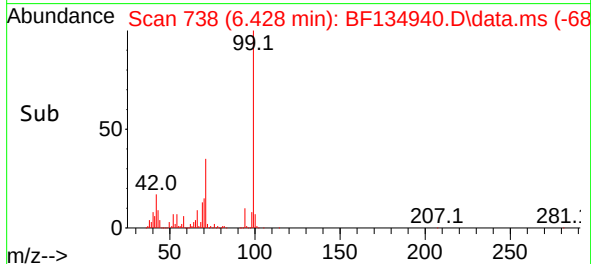
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ClientSampleId :
72-12013MSD



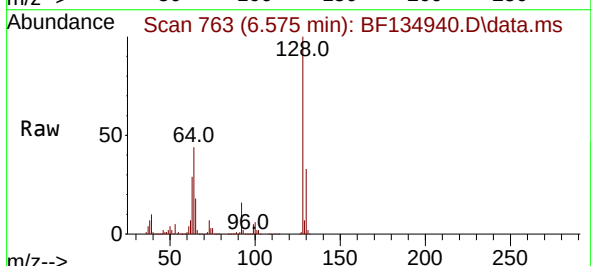
Tgt Ion: 99 Resp: 516923
Ion Ratio Lower Upper
99 100
42 17.5 14.6 22.0
71 34.5 27.6 41.4

Manual Integrations
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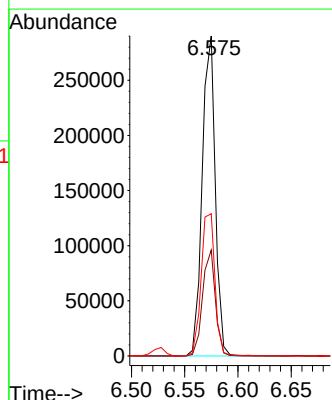
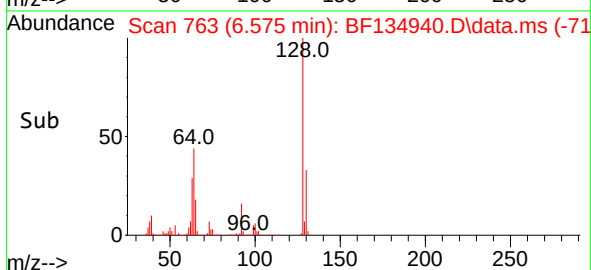
Reviewed By :Yogesh Patel 08/26/2023
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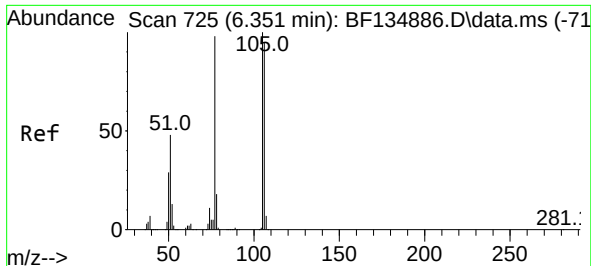


#8
2-Chlorophenol
Concen: 47.690 ng
RT: 6.575 min Scan# 763
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47



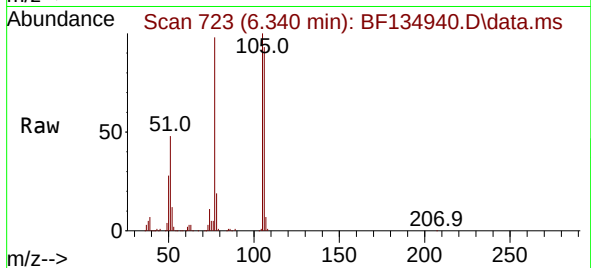
Tgt Ion:128 Resp: 248345
Ion Ratio Lower Upper
128 100
130 33.1 13.0 53.0
64 44.5 23.4 63.4





#9
Benzaldehyde
Concen: 27.561 ng
RT: 6.340 min Scan# 71
Delta R.T. -0.011 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

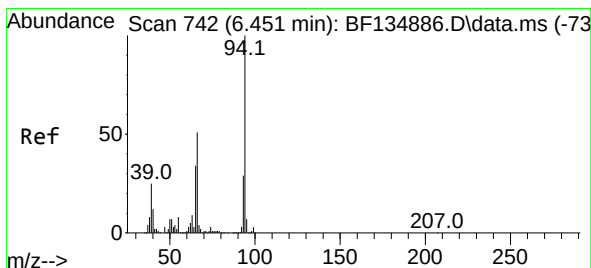
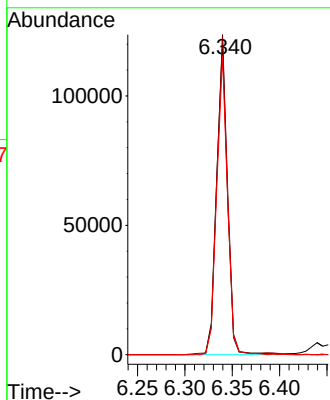
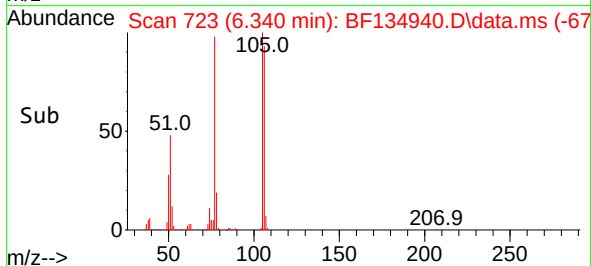
Instrument :
BNA_F
ClientSampleId :
72-12013MSD



Tgt Ion: 77 Resp: 9585
Ion Ratio Lower Upper
77 100
105 101.6 82.4 122.4
106 94.8 77.2 117.2

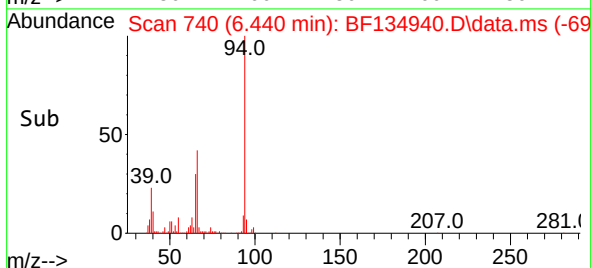
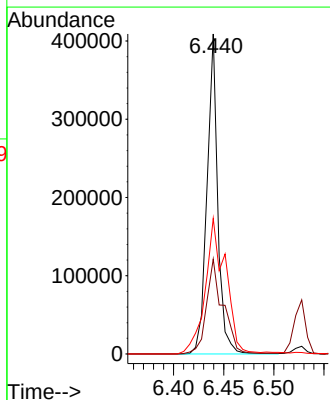
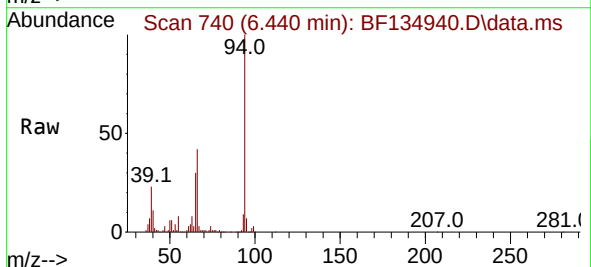
Manual Integrations
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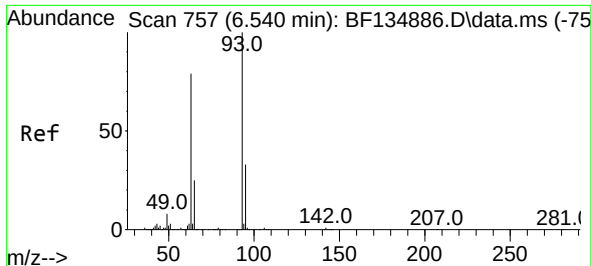
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#10
Phenol
Concen: 47.396 ng
RT: 6.440 min Scan# 740
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion: 94 Resp: 307726
Ion Ratio Lower Upper
94 100
65 29.6 14.0 54.0
66 42.3 31.1 71.1





#11

bis(2-Chloroethyl)ether

Concen: 46.428 ng

RT: 6.528 min Scan# 755

Delta R.T. -0.012 min

Lab File: BF134940.D

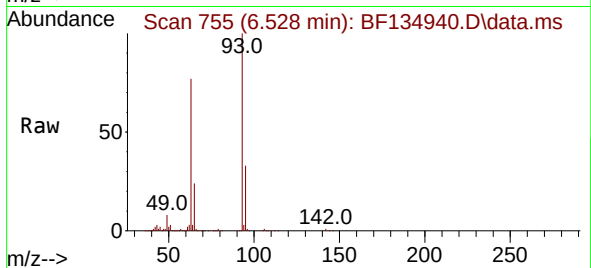
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD



Tgt Ion: 93 Resp: 228658

Ion Ratio Lower Upper

93 100

63 77.4 58.7 98.7

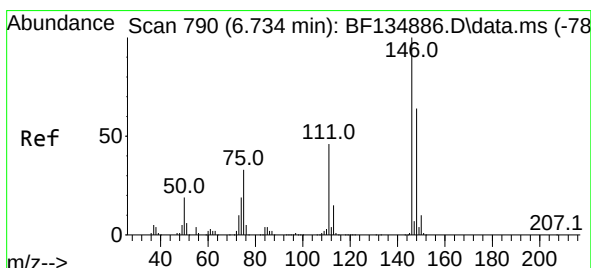
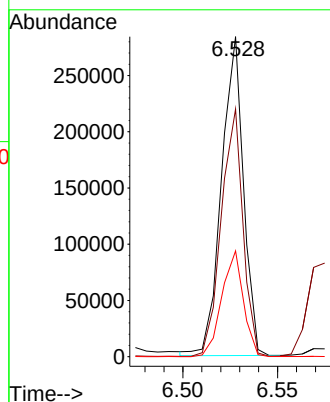
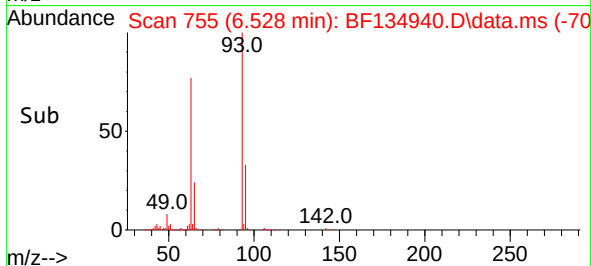
95 33.1 12.4 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#12

1,3-Dichlorobenzene

Concen: 48.762 ng

RT: 6.728 min Scan# 789

Delta R.T. -0.006 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

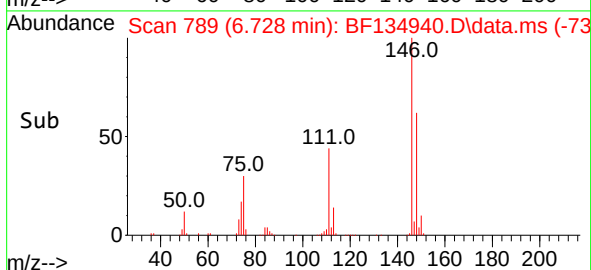
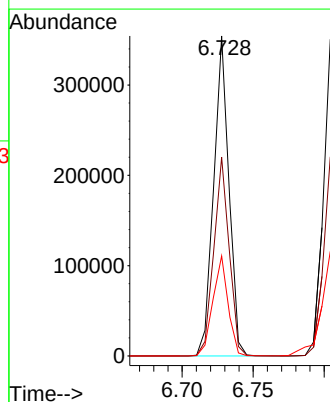
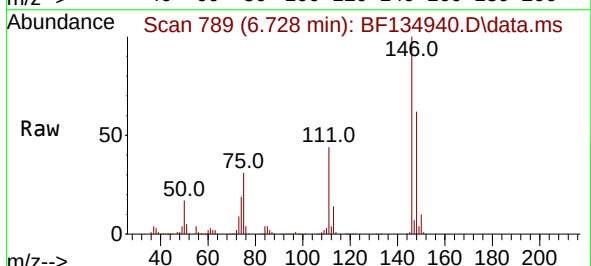
Tgt Ion:146 Resp: 264839

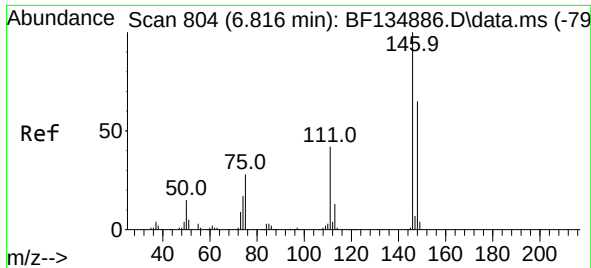
Ion Ratio Lower Upper

146 100

148 62.2 51.2 76.8

75 31.2 26.4 39.6





#13

1,4-Dichlorobenzene

Concen: 49.640 ng

RT: 6.804 min Scan# 804

Delta R.T. -0.012 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

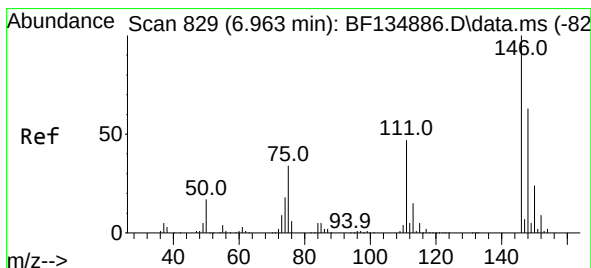
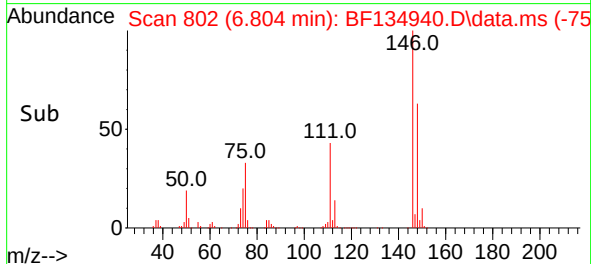
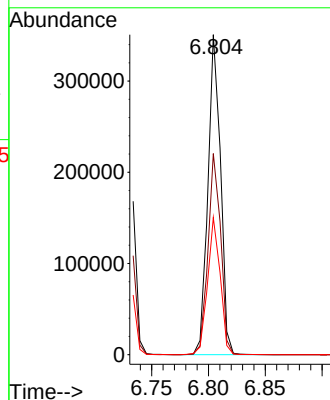
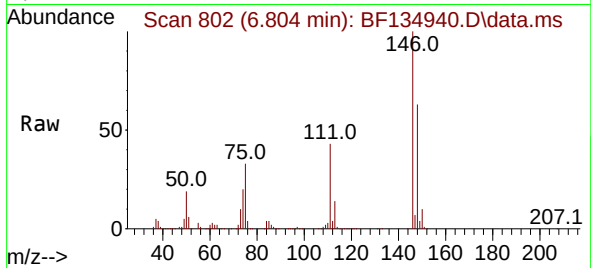
Tgt Ion:146 Resp: 269840
 Ion Ratio Lower Upper
 146 100
 148 62.9 52.1 78.1
 111 42.9 33.4 50.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#14

1,2-Dichlorobenzene

Concen: 50.737 ng

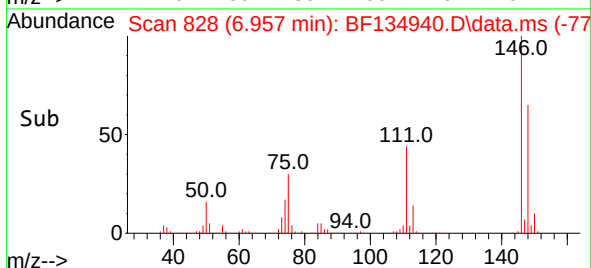
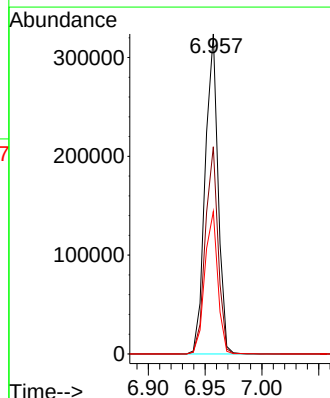
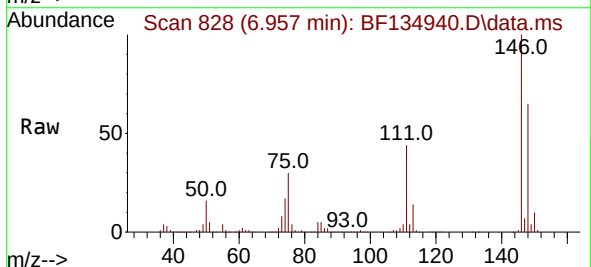
RT: 6.957 min Scan# 828

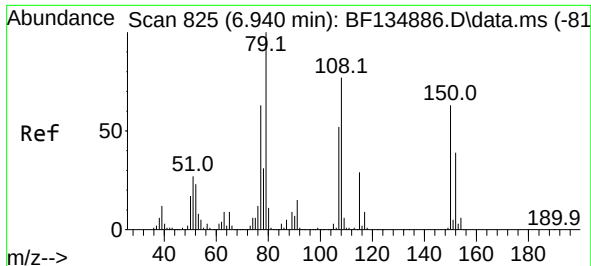
Delta R.T. -0.006 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

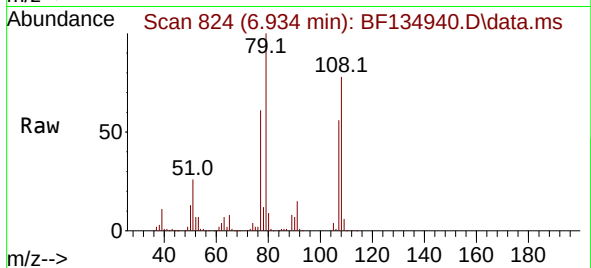
Tgt Ion:146 Resp: 255650
 Ion Ratio Lower Upper
 146 100
 148 64.8 50.5 75.7
 111 44.5 37.5 56.3





#15
Benzyl Alcohol
Concen: 47.692 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

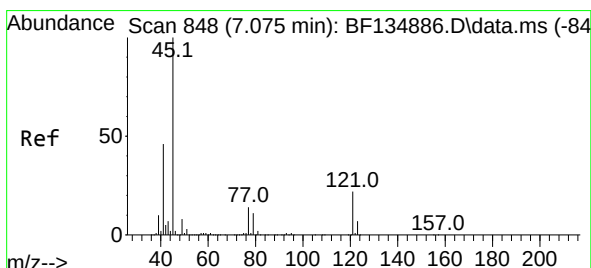
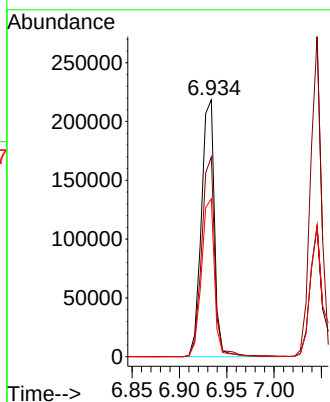
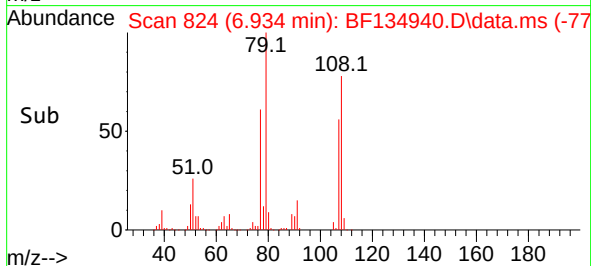
Instrument :
BNA_F
ClientSampleId :
72-12013MSD



Tgt Ion: 79 Resp: 210140
Ion Ratio Lower Upper
79 100
108 77.8 61.4 92.2
77 61.4 50.1 75.1

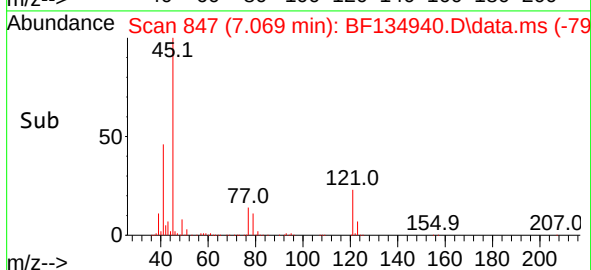
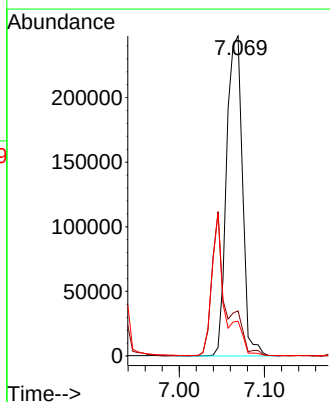
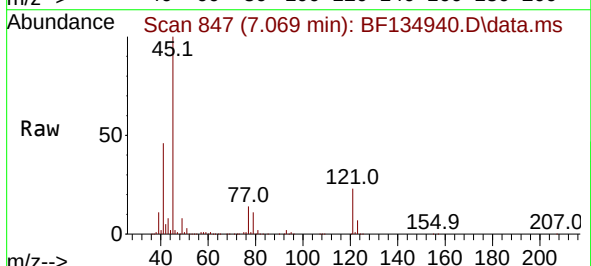
Manual Integrations
APPROVED

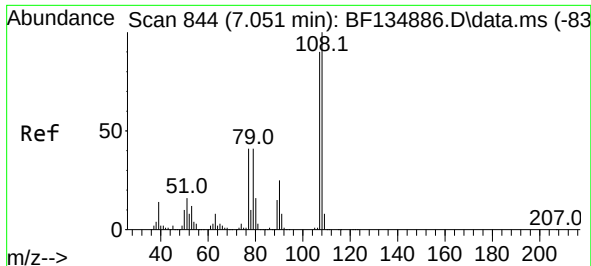
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.775 ng
RT: 7.069 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion: 45 Resp: 319326
Ion Ratio Lower Upper
45 100
77 14.1 0.0 33.9
79 10.9 0.0 31.1





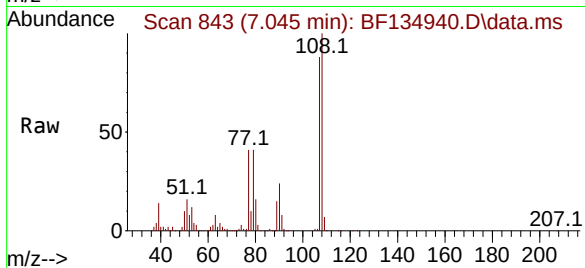
#17
2-Methylphenol
Concen: 42.510 ng
RT: 7.045 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

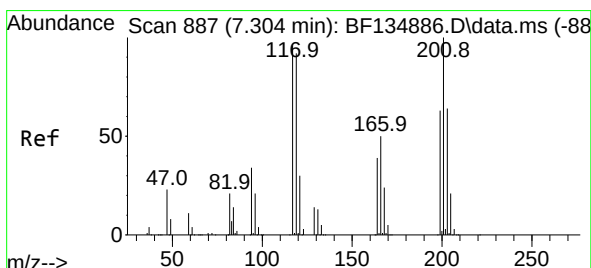
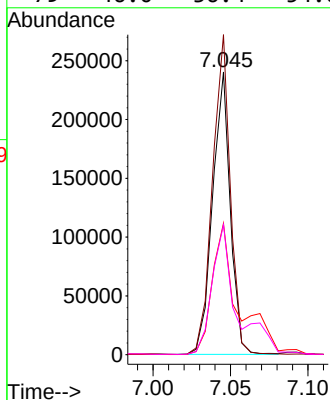
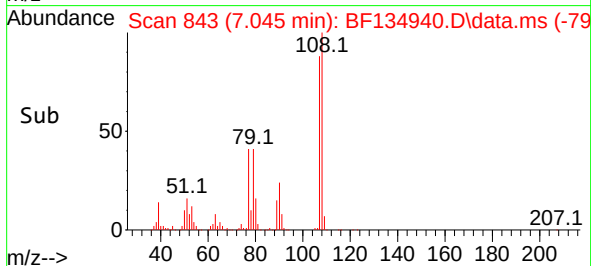


Tgt Ion:107 Resp: 191588
Ion Ratio Lower Upper
107 100
108 113.2 89.0 133.6
77 46.5 36.5 54.7
79 46.0 36.4 54.6

Manual Integrations

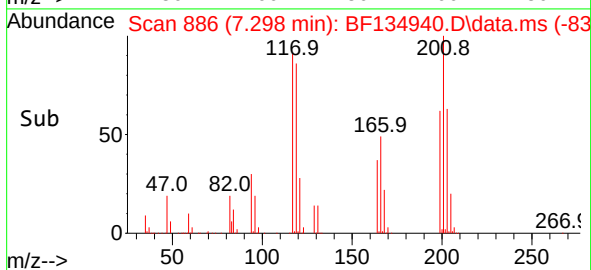
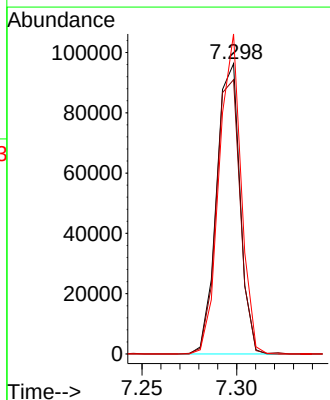
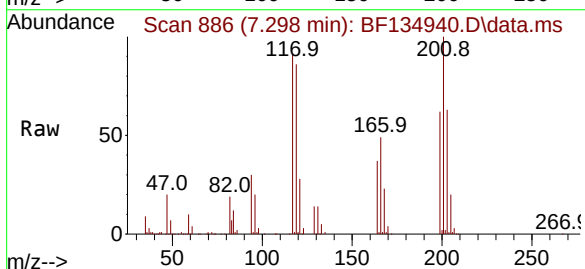
APPROVED

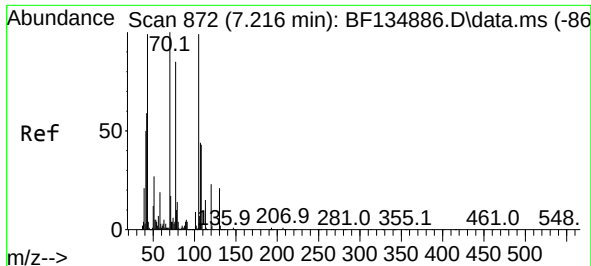
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#18
Hexachloroethane
Concen: 42.151 ng
RT: 7.298 min Scan# 886
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

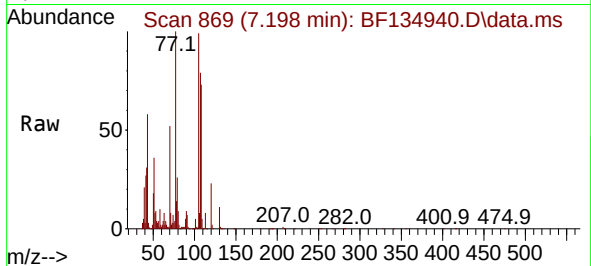
Tgt Ion:117 Resp: 82928
Ion Ratio Lower Upper
117 100
119 94.5 76.6 114.8
201 110.2 83.4 125.2





#19
n-Nitroso-di-n-propylamine
Concen: 43.428 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.018 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

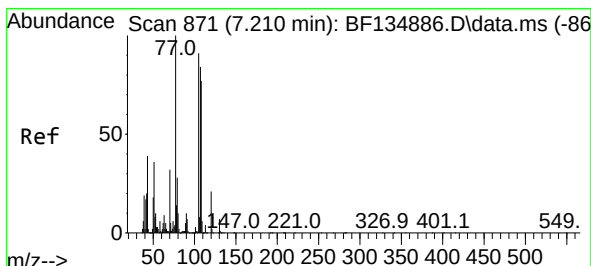
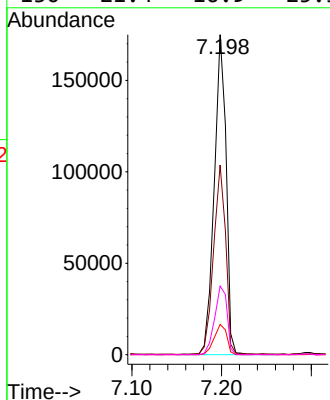
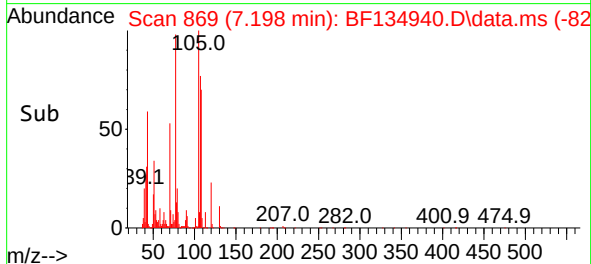
Instrument :
BNA_F
ClientSampleId :
72-12013MSD



Tgt Ion: 70 Resp: 160849
Ion Ratio Lower Upper
70 100
42 59.3 46.9 70.3
101 9.4 7.5 11.3
130 21.4 16.9 25.3

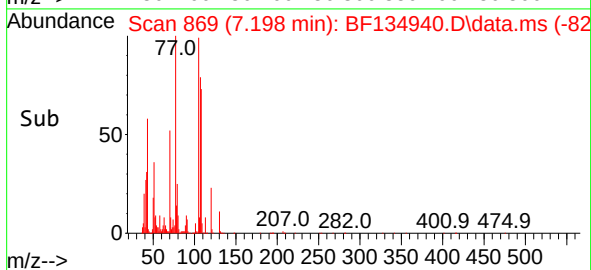
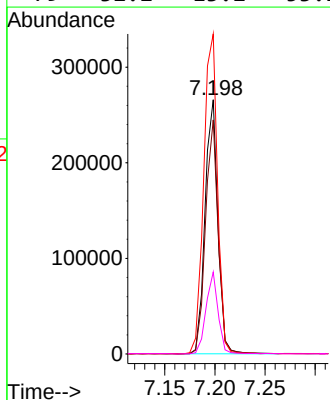
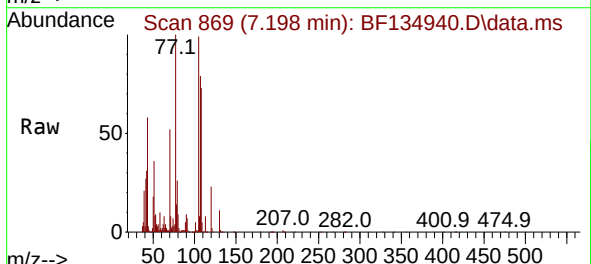
Manual Integrations
APPROVED

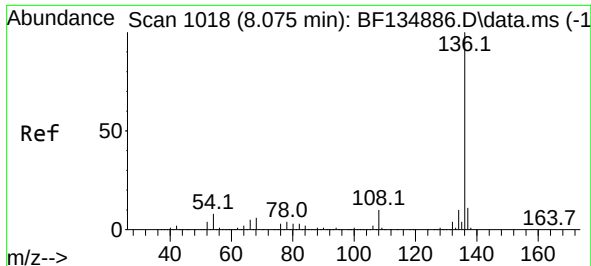
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#20
3+4-Methylphenols
Concen: 49.743 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:107 Resp: 238646
Ion Ratio Lower Upper
107 100
108 92.1 71.7 111.7
77 125.9 98.4 138.4
79 32.2 13.2 53.2





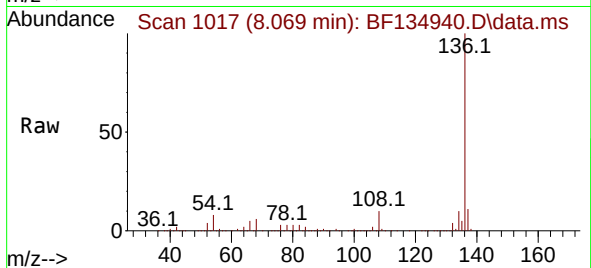
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

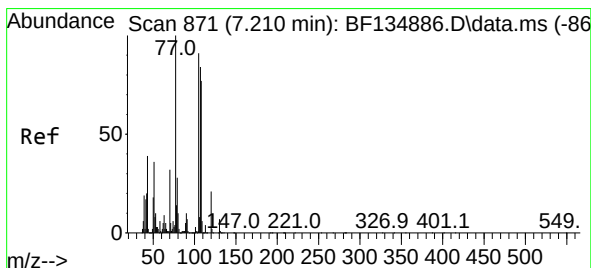
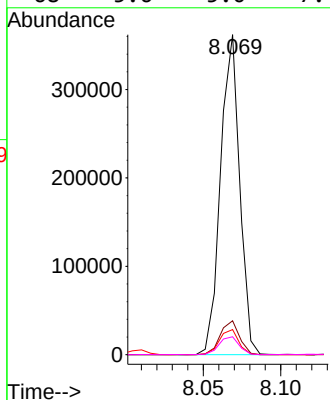
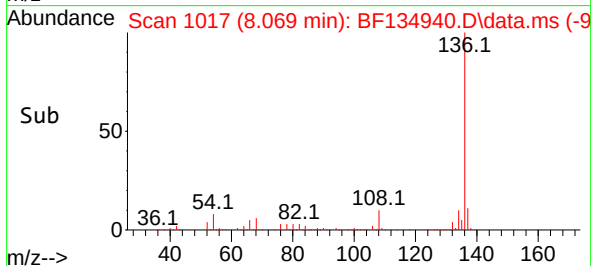


Tgt Ion:136 Resp: 31083
Ion Ratio Lower Upper
136 100
137 10.6 8.9 13.3
54 7.9 6.6 9.8
68 5.6 5.0 7.4

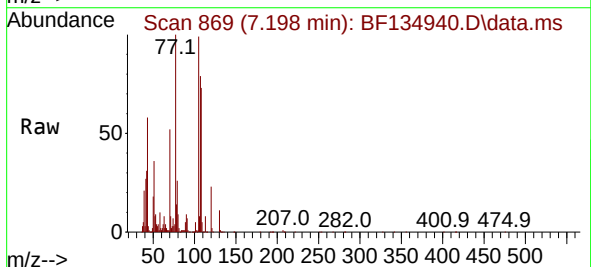
Manual Integrations

APPROVED

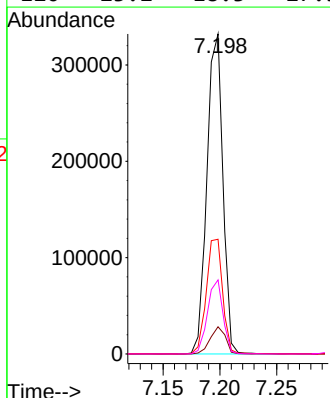
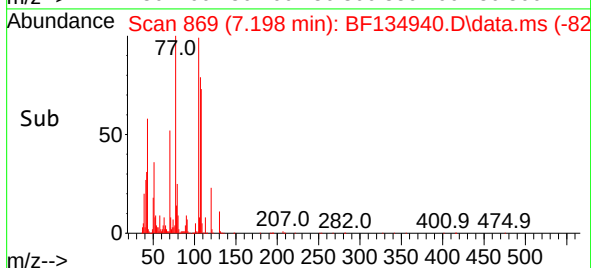
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023

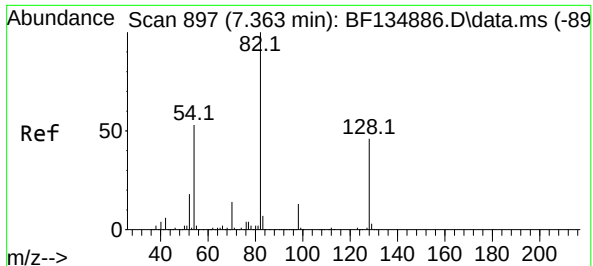


#22
Acetophenone
Concen: 47.208 ng
RT: 7.198 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47



Tgt Ion:105 Resp: 324330
Ion Ratio Lower Upper
105 100
71 8.5 4.6 6.8#
51 35.9 32.2 48.2
120 23.2 18.3 27.5





#23

Nitrobenzene-d5

Concen: 54.643 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.012 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

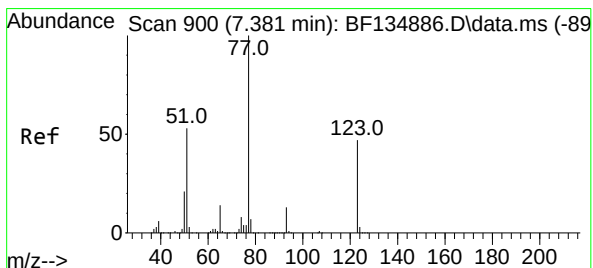
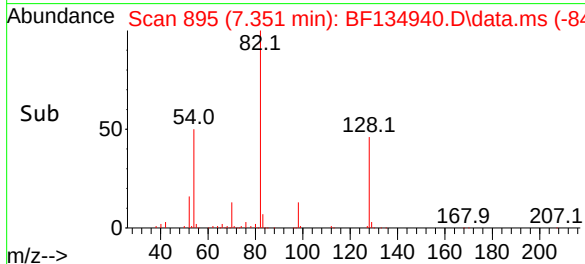
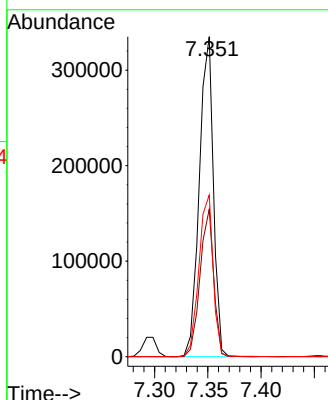
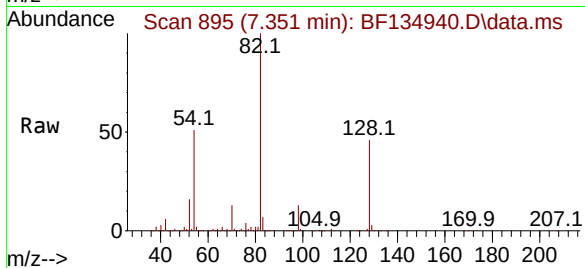
Tgt Ion:	82	Resp:	308234
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.6	54.8
54	50.6	42.6	63.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#24

Nitrobenzene

Concen: 43.339 ng

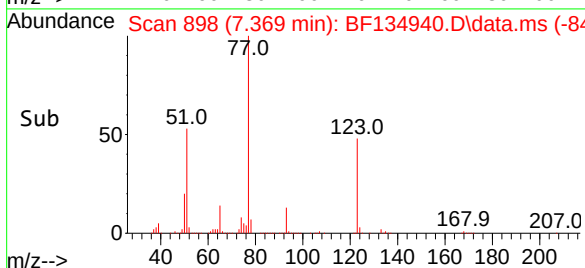
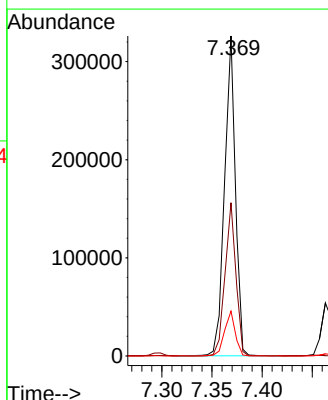
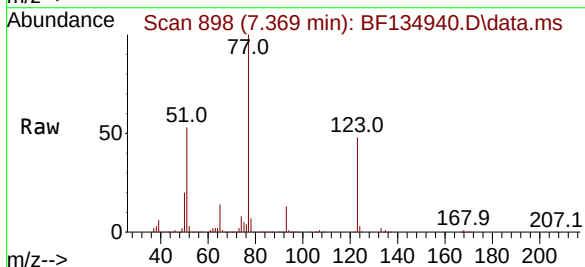
RT: 7.369 min Scan# 898

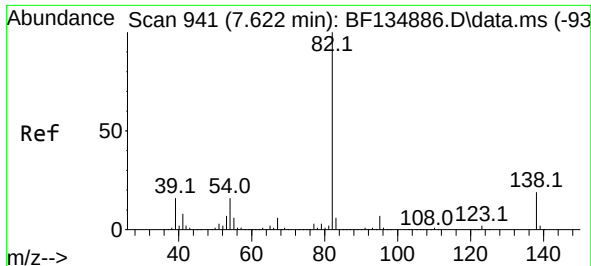
Delta R.T. -0.012 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

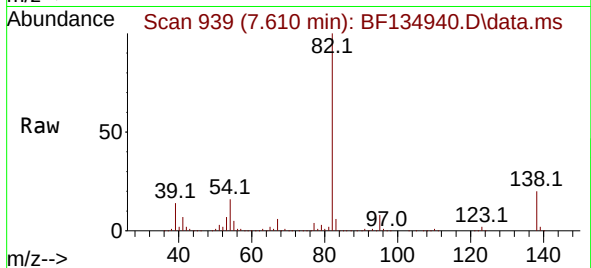
Tgt Ion:	77	Resp:	245308
Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.9	56.9
65	14.0	11.1	16.7





#25
Isophorone
Concen: 42.406 ng
RT: 7.610 min Scan# 910
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

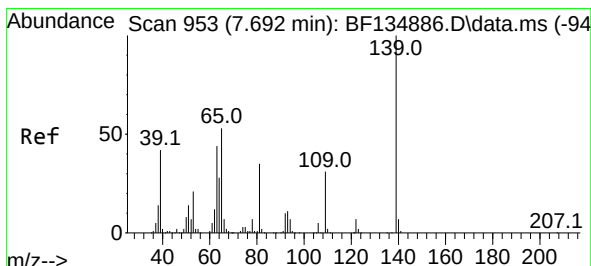
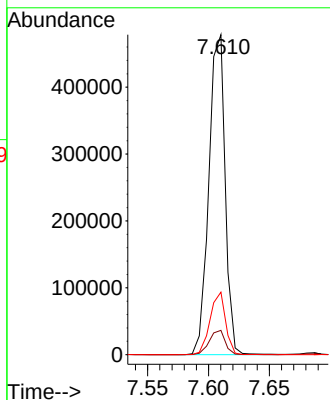
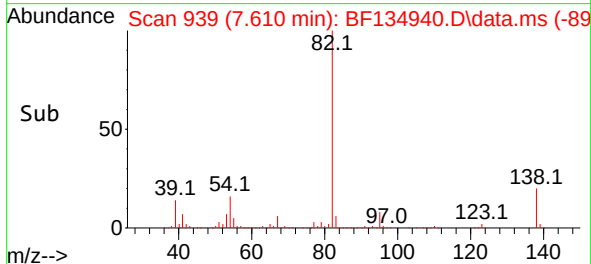
Instrument :
BNA_F
ClientSampleId :
72-12013MSD



Tgt Ion: 82 Resp: 446669
Ion Ratio Lower Upper
82 100
95 7.6 5.9 8.9
138 19.5 14.9 22.3

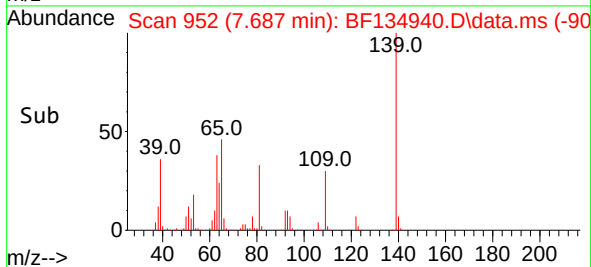
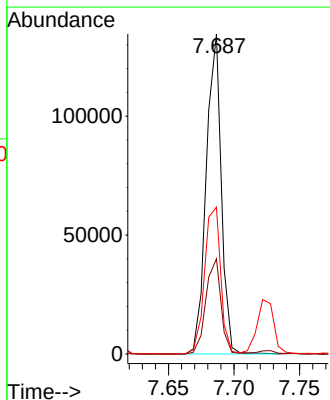
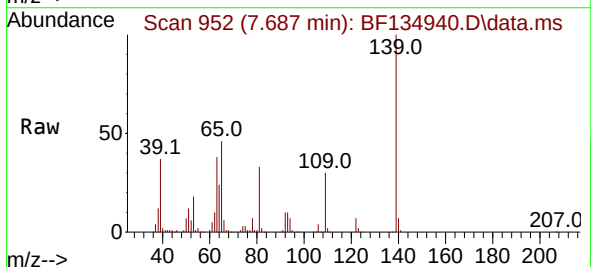
Manual Integrations
APPROVED

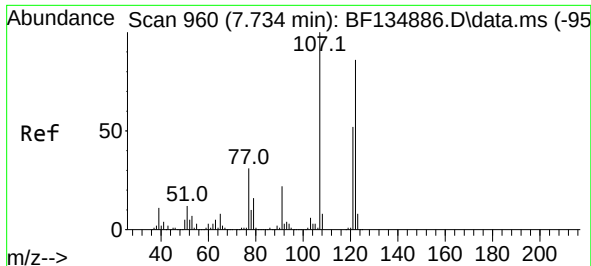
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#26
2-Nitrophenol
Concen: 38.229 ng
RT: 7.687 min Scan# 952
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:139 Resp: 107727
Ion Ratio Lower Upper
139 100
109 29.7 24.5 36.7
65 45.9 42.4 63.6





#27

2,4-Dimethylphenol

Concen: 42.408 ng

RT: 7.728 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF134940.D

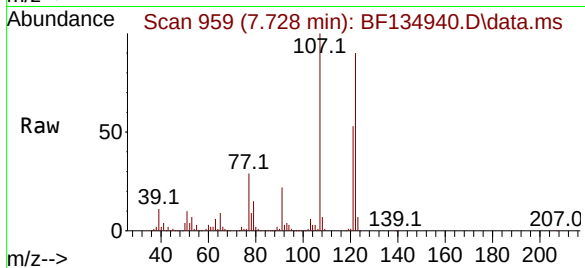
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD



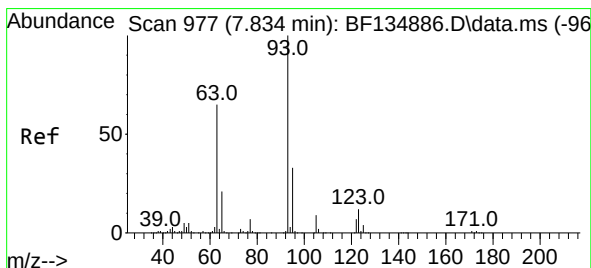
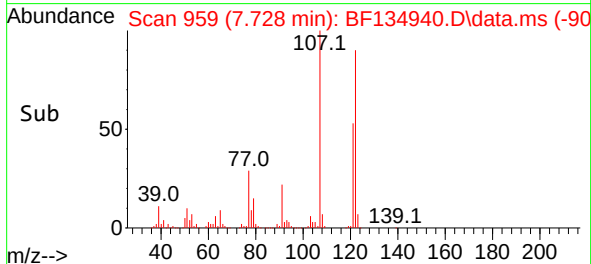
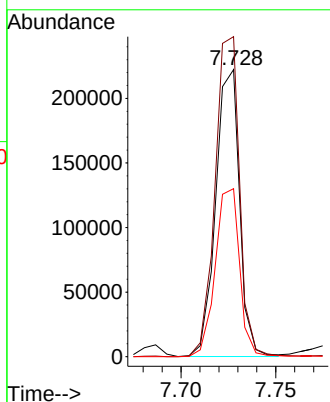
Tgt Ion	Ratio	Lower	Upper
122	100		
107	111.5	92.9	139.3
121	58.5	48.4	72.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#28

bis(2-Chloroethoxy)methane

Concen: 43.596 ng

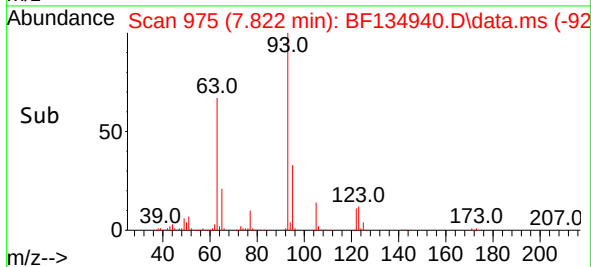
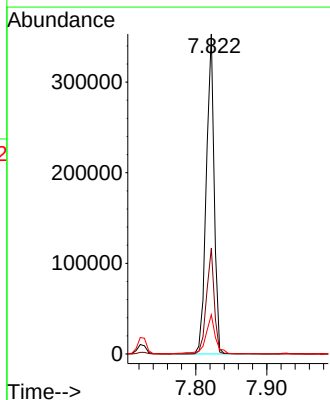
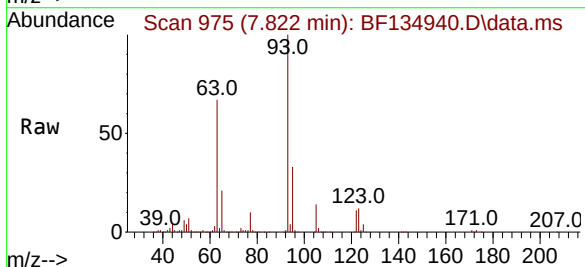
RT: 7.822 min Scan# 975

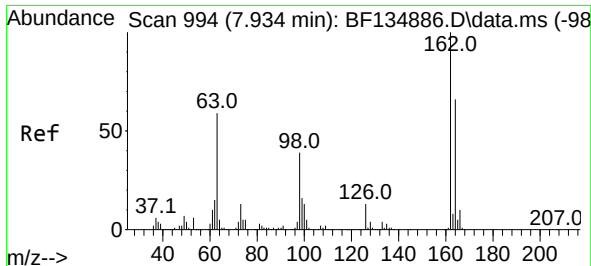
Delta R.T. -0.012 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.3	39.5
123	12.2	9.9	14.9





#29

2,4-Dichlorophenol

Concen: 42.805 ng

RT: 7.928 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF134940.D

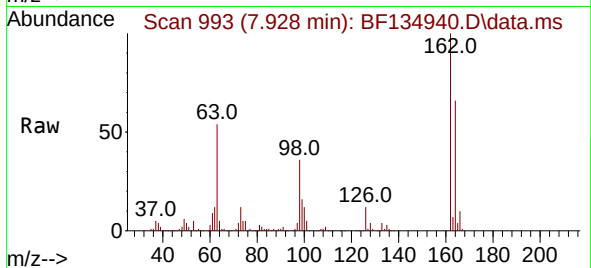
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD



Tgt Ion:162 Resp: 194386

Ion Ratio Lower Upper

162 100

164 65.6 45.6 85.6

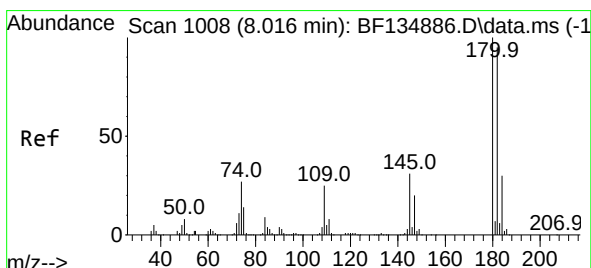
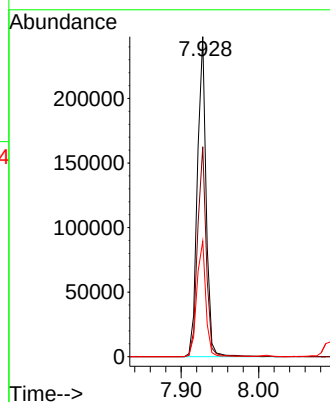
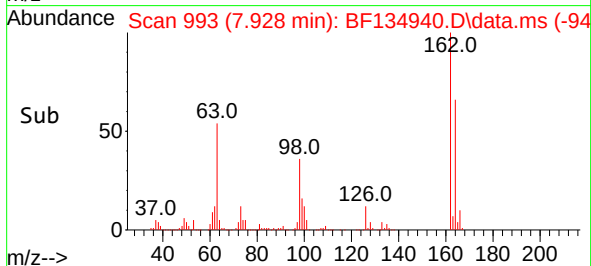
98 36.1 18.5 58.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#30

1,2,4-Trichlorobenzene

Concen: 45.962 ng

RT: 8.010 min Scan# 1007

Delta R.T. -0.006 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

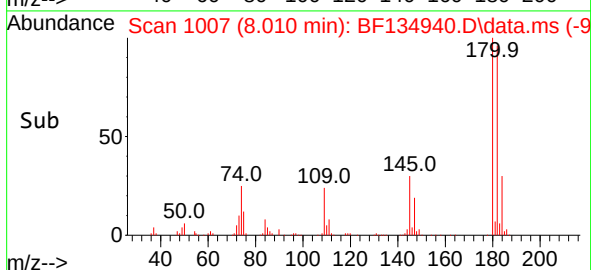
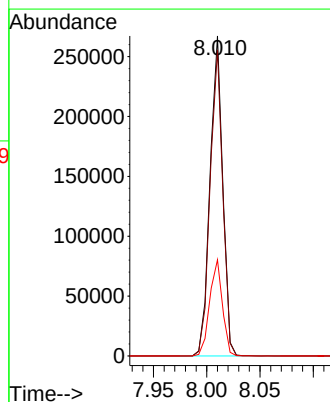
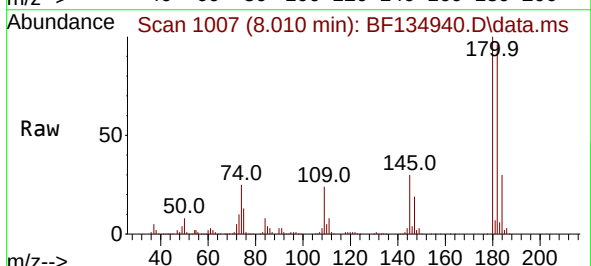
Tgt Ion:180 Resp: 221589

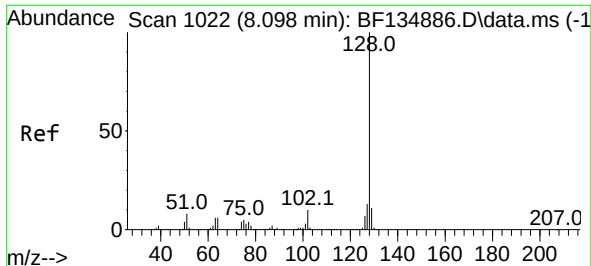
Ion Ratio Lower Upper

180 100

182 95.7 76.0 114.0

145 30.0 24.6 37.0





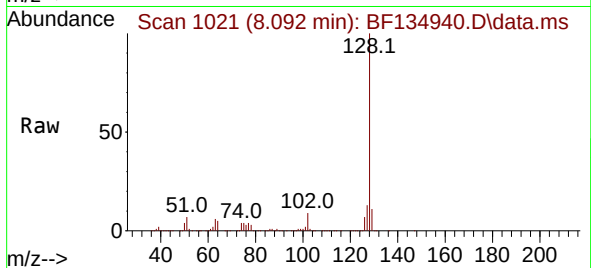
#31
Naphthalene
Concen: 44.754 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

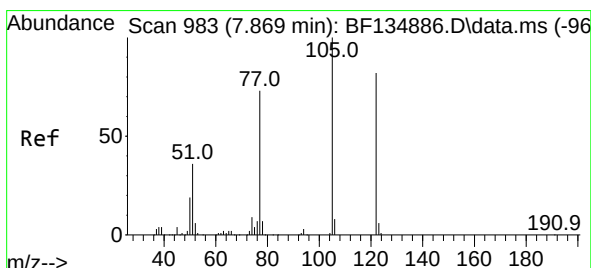
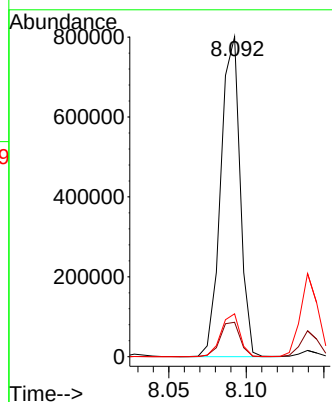
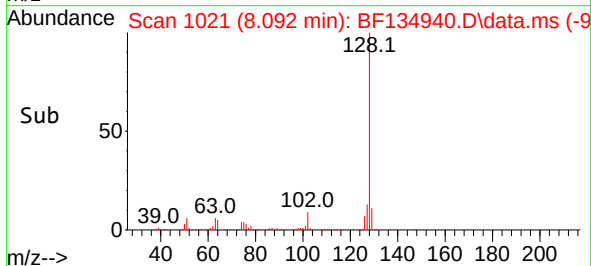


Tgt Ion:128 Resp: 694609
Ion Ratio Lower Upper
128 100
129 10.7 9.0 13.4
127 13.4 10.6 16.0

Manual Integrations

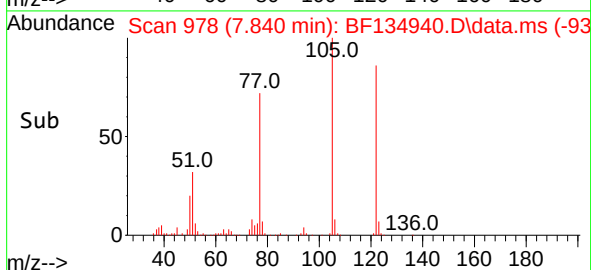
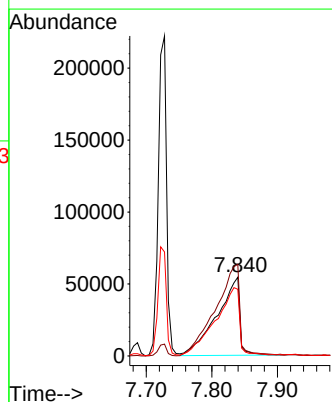
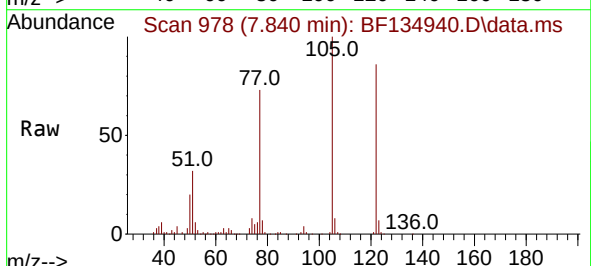
APPROVED

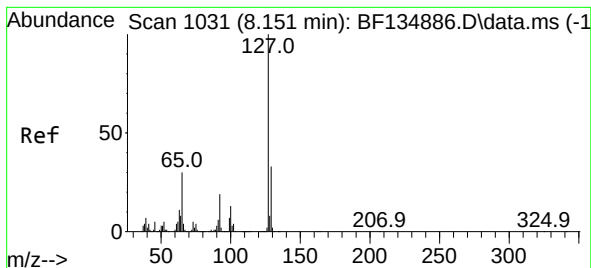
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#32
Benzoic acid
Concen: 38.736 ng
RT: 7.840 min Scan# 978
Delta R.T. -0.029 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:122 Resp: 131387
Ion Ratio Lower Upper
122 100
105 116.4 98.6 138.6
77 84.7 68.6 108.6





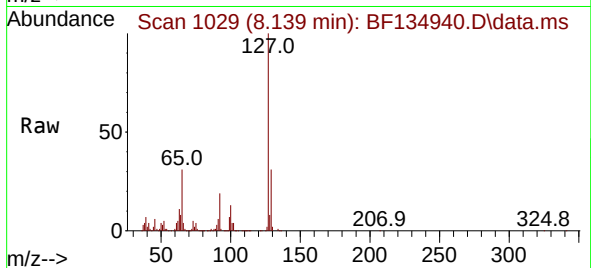
#33
4-Chloroaniline
Concen: 25.837 ng
RT: 8.139 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

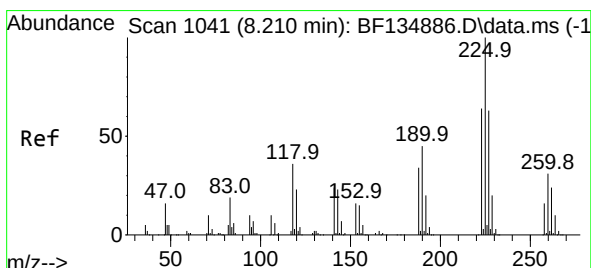
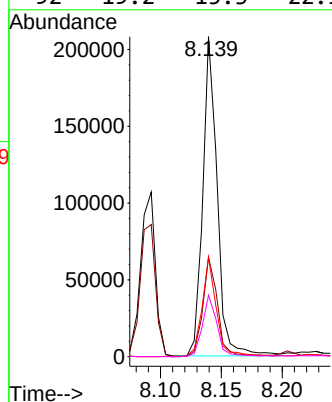
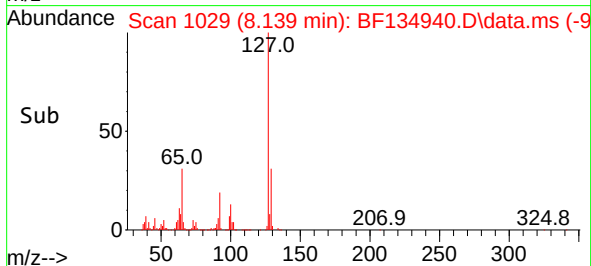


Tgt Ion:127 Resp: 172054
Ion Ratio Lower Upper
127 100
129 31.1 26.4 39.6
65 31.1 23.8 35.8
92 19.2 15.3 22.9

Manual Integrations

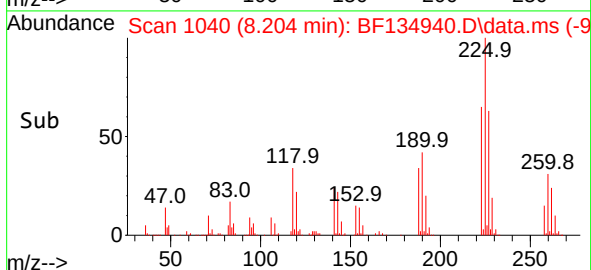
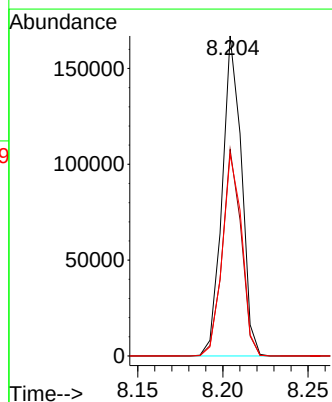
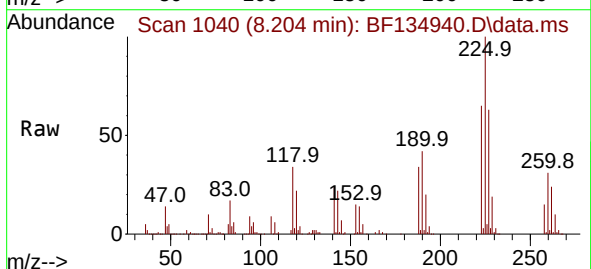
APPROVED

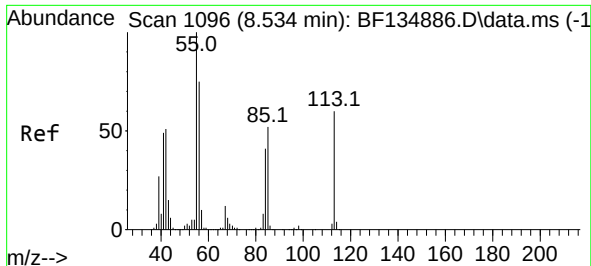
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#34
Hexachlorobutadiene
Concen: 45.880 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

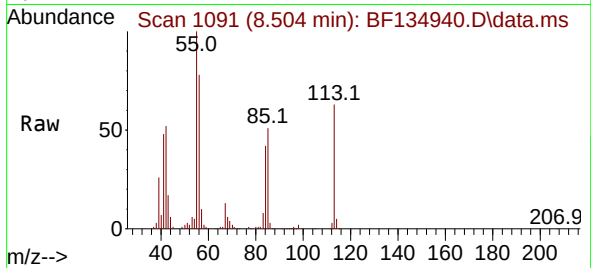
Tgt Ion:225 Resp: 131554
Ion Ratio Lower Upper
225 100
223 64.6 51.1 76.7
227 63.0 50.1 75.1





#35
Caprolactam
Concen: 46.211 ng m
RT: 8.504 min Scan# 1096
Delta R.T. -0.029 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

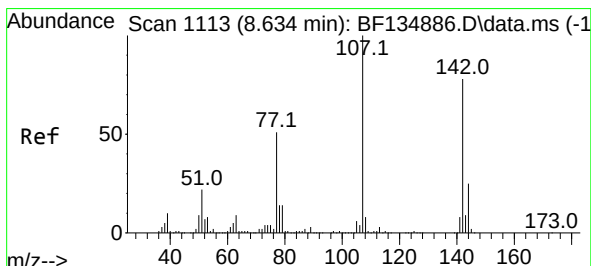
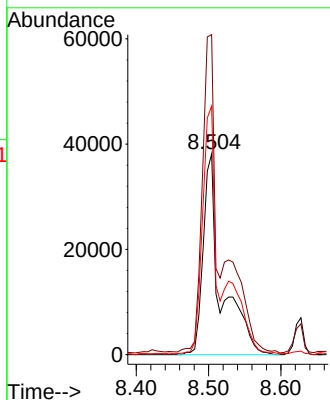
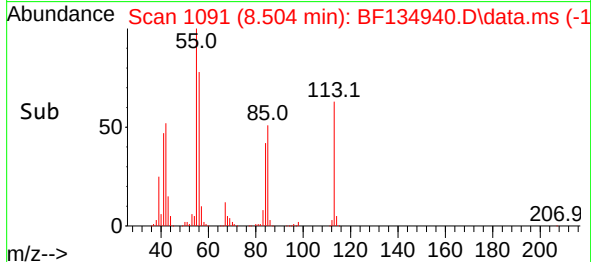
Instrument :
BNA_F
ClientSampleId :
72-12013MSD



Tgt Ion:113 Resp: 65509
Ion Ratio Lower Upper
113 100
55 159.4 147.2 187.2
56 123.9 106.0 146.0

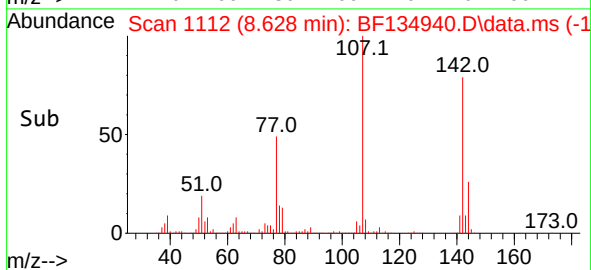
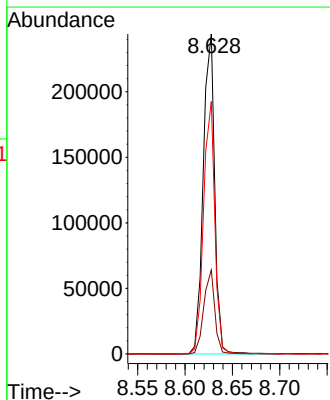
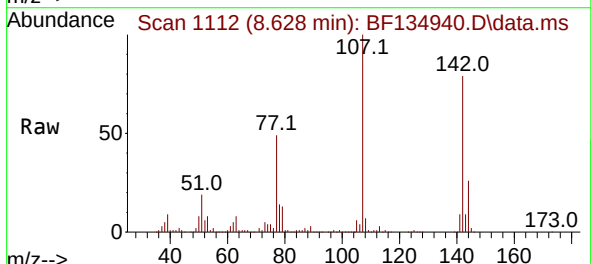
Manual Integrations
APPROVED

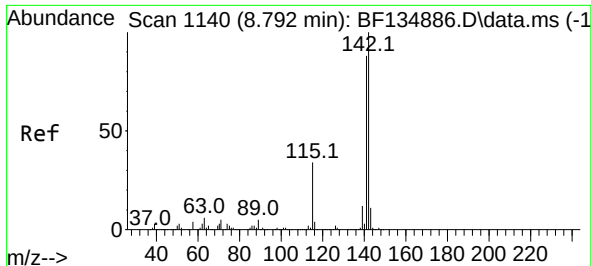
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#36
4-Chloro-3-methylphenol
Concen: 42.736 ng
RT: 8.628 min Scan# 1112
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:107 Resp: 204803
Ion Ratio Lower Upper
107 100
144 26.2 20.2 30.2
142 78.9 62.5 93.7





#37
2-Methylnaphthalene
Concen: 42.469 ng
RT: 8.781 min Scan# 1138
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

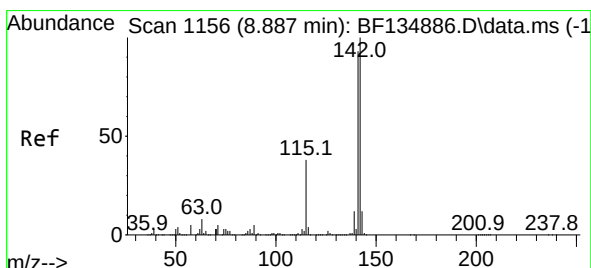
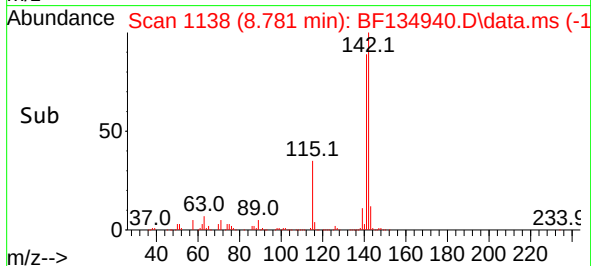
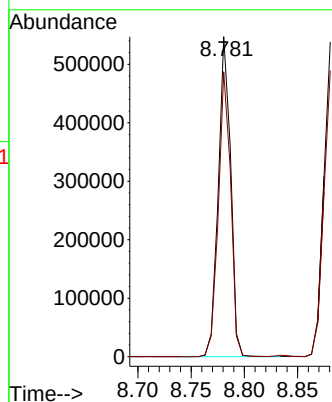
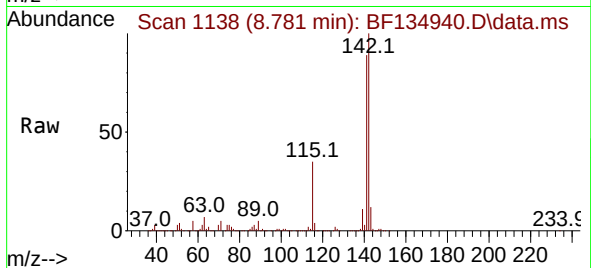
72-12013MSD

Tgt Ion:142 Resp: 43958
Ion Ratio Lower Upper
142 100
141 89.1 70.2 105.2

Manual Integrations

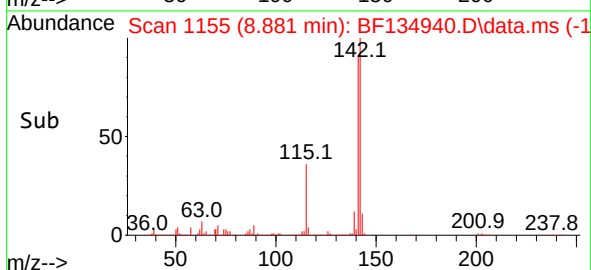
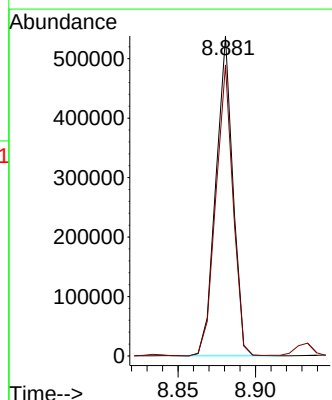
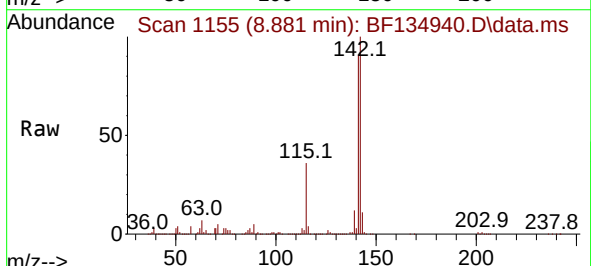
APPROVED

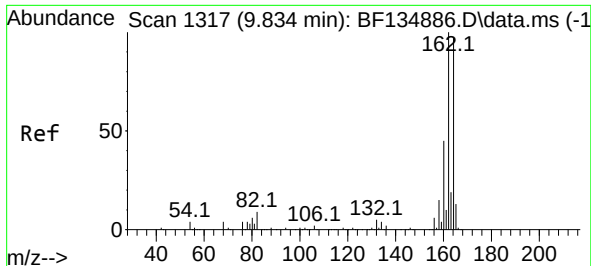
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#38
1-Methylnaphthalene
Concen: 42.580 ng
RT: 8.881 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:142 Resp: 412116
Ion Ratio Lower Upper
142 100
141 91.0 74.1 111.1





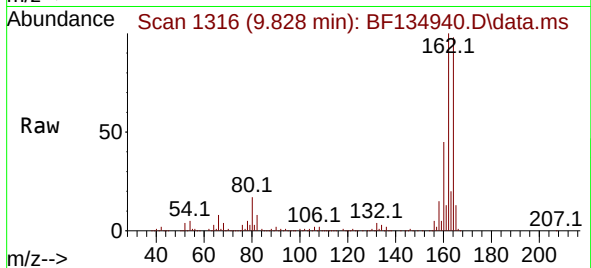
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

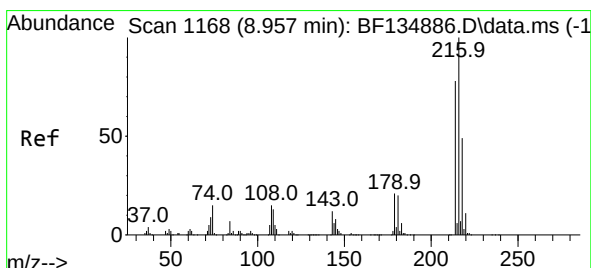
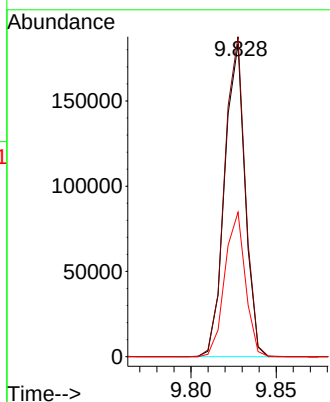
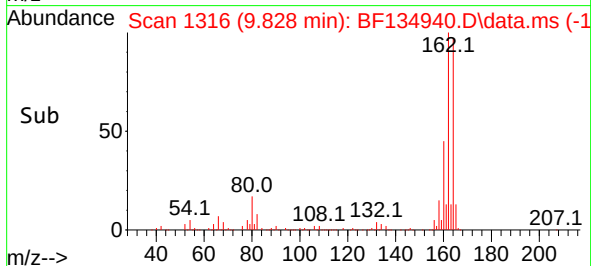


Tgt Ion:164 Resp: 15329
Ion Ratio Lower Upper
164 100
162 102.3 82.6 123.8
160 46.2 37.0 55.4

Manual Integrations

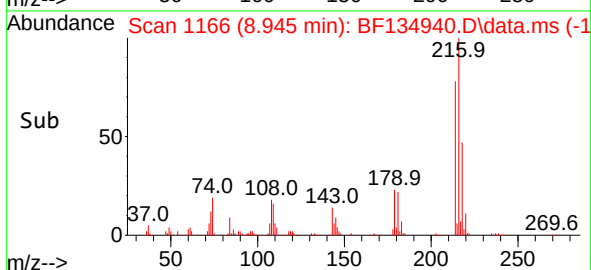
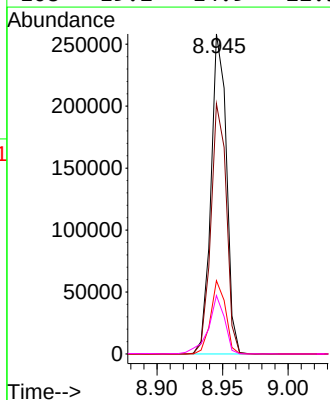
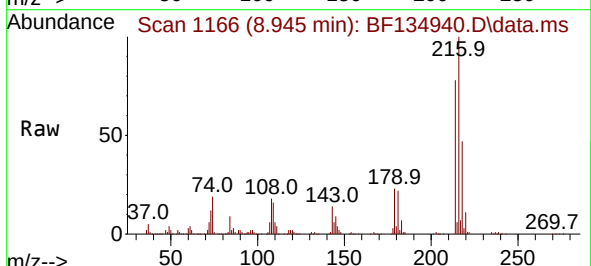
APPROVED

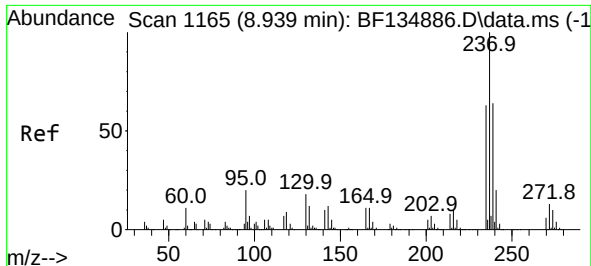
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.381 ng
RT: 8.945 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:216 Resp: 211982
Ion Ratio Lower Upper
216 100
214 78.5 63.1 94.7
179 22.0 17.3 25.9
108 19.2 14.9 22.3





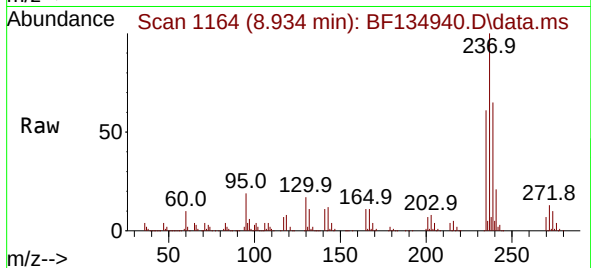
#41
Hexachlorocyclopentadiene
Concen: 68.818 ng
RT: 8.934 min Scan# 1165
Delta R.T. -0.005 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

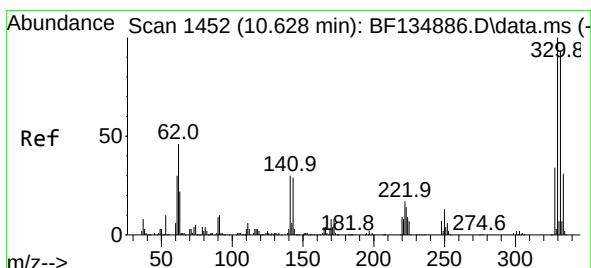
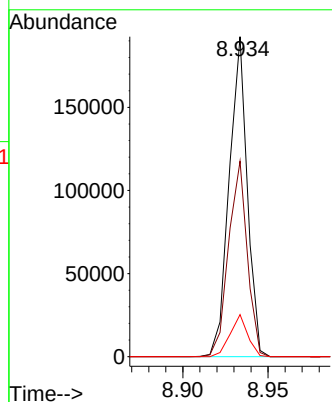
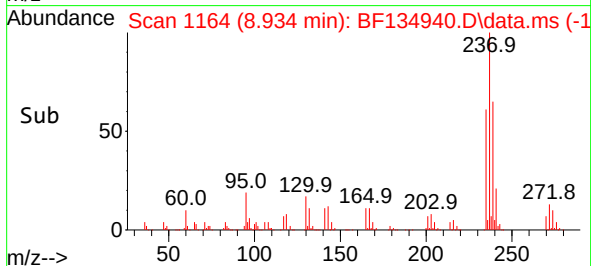


Tgt Ion: 237 Resp: 142320
Ion Ratio Lower Upper
237 100
235 61.1 43.1 83.1
272 13.1 0.0 32.6

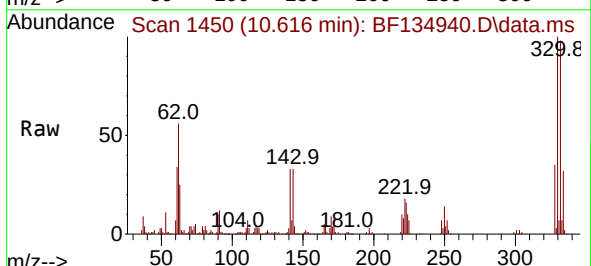
Manual Integrations

APPROVED

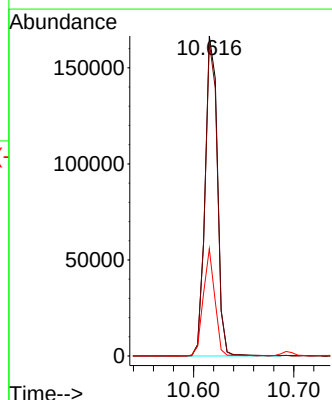
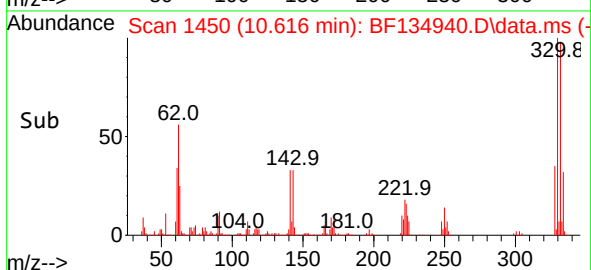
Reviewed By : Yogesh Patel 08/26/2023
Supervised By : mohammad ahmed 08/26/2023

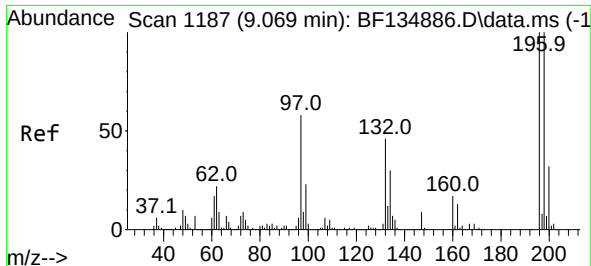


#42
2,4,6-Tribromophenol
Concen: 79.213 ng
RT: 10.616 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47



Tgt Ion: 330 Resp: 143015
Ion Ratio Lower Upper
330 100
332 97.9 76.3 114.5
141 31.4 23.4 35.2





#43
2,4,6-Trichlorophenol
Concen: 43.381 ng
RT: 9.063 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

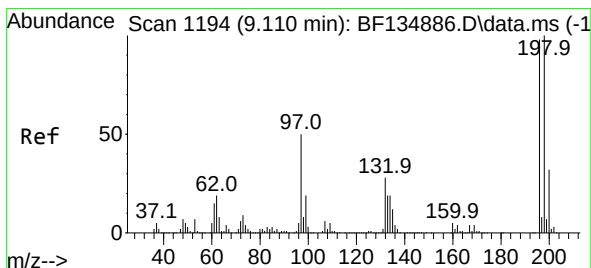
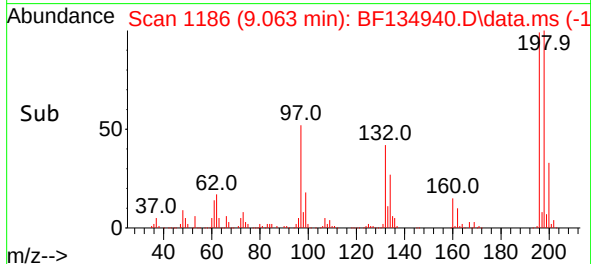
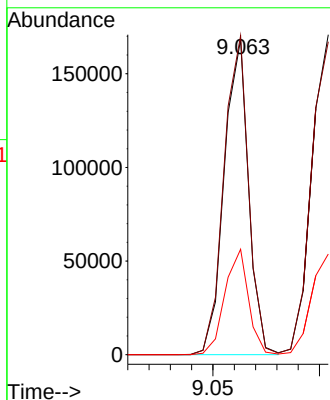
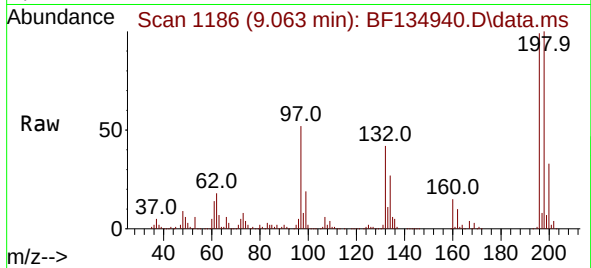
72-12013MSD

Tgt Ion:196 Resp: 133830
Ion Ratio Lower Upper
196 100
198 101.2 79.8 119.6
200 33.4 25.8 38.6

Manual Integrations

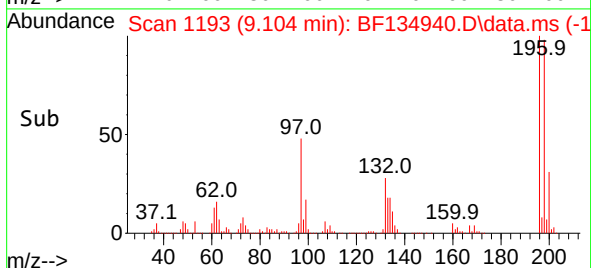
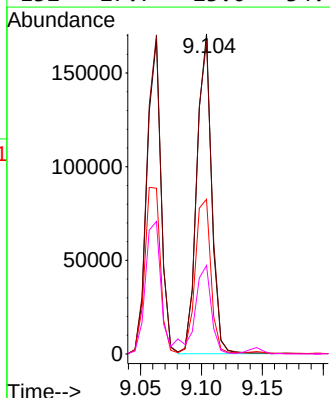
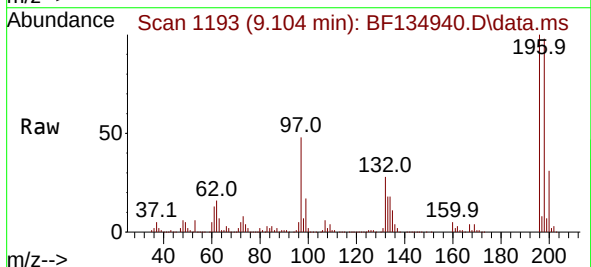
APPROVED

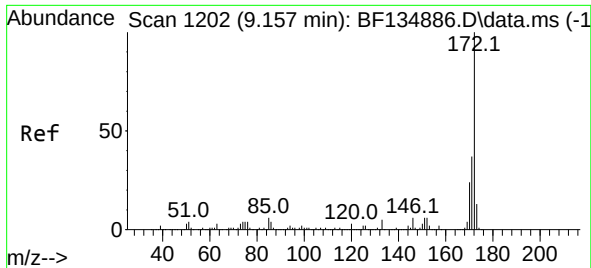
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#44
2,4,5-Trichlorophenol
Concen: 40.097 ng
RT: 9.104 min Scan# 1193
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:196 Resp: 143213
Ion Ratio Lower Upper
196 100
198 97.8 81.8 122.6
97 48.3 41.3 61.9
132 27.7 23.0 34.4





#45
2-Fluorobiphenyl
Concen: 54.356 ng
RT: 9.145 min Scan# 1200
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

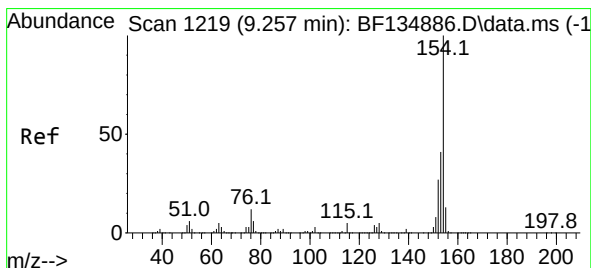
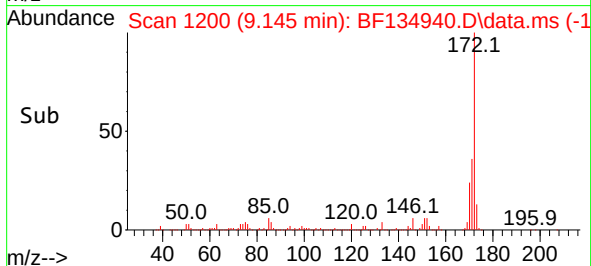
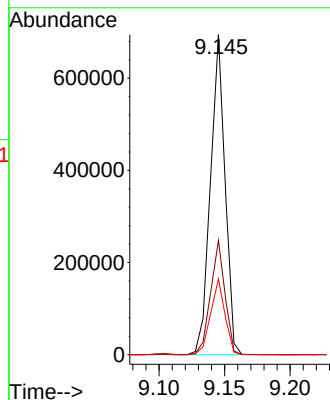
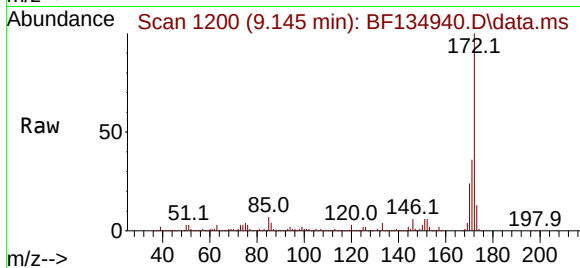
72-12013MSD

Tgt Ion:172 Resp: 539010
Ion Ratio Lower Upper
172 100
171 35.7 29.4 44.0
170 23.7 19.6 29.4

Manual Integrations

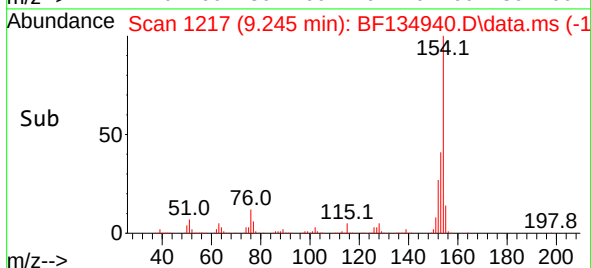
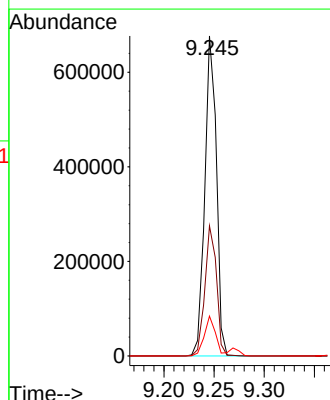
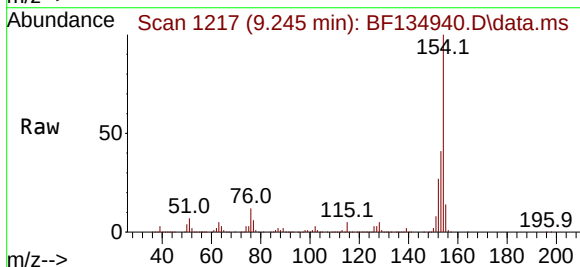
APPROVED

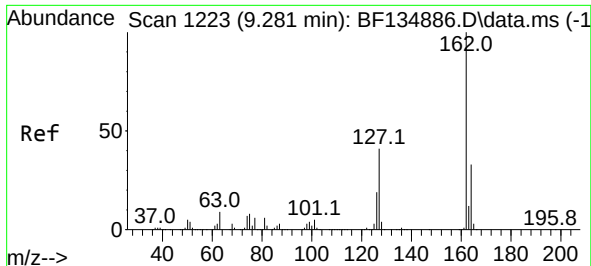
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#46
1,1'-Biphenyl
Concen: 45.217 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:154 Resp: 547243
Ion Ratio Lower Upper
154 100
153 40.7 21.3 61.3
76 12.5 0.0 31.8





#47

2-Chloronaphthalene

Concen: 44.813 ng

RT: 9.269 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

Tgt Ion:162 Resp: 405029

Ion Ratio Lower Upper

162 100

127 43.4 33.4 50.0

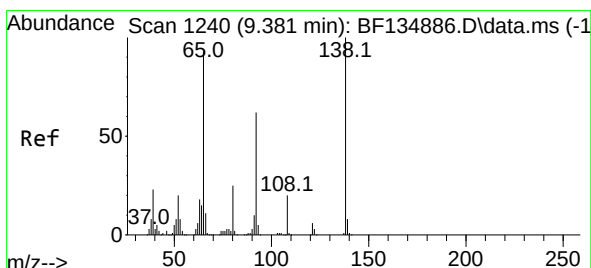
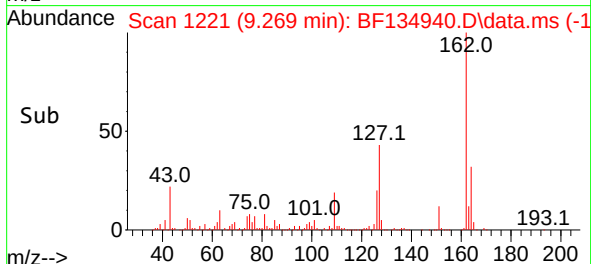
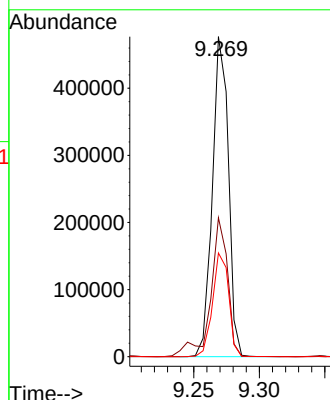
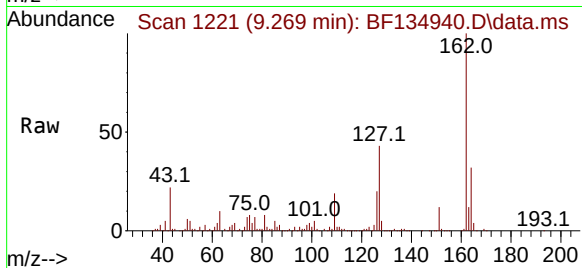
164 32.4 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#48

2-Nitroaniline

Concen: 45.711 ng

RT: 9.369 min Scan# 1238

Delta R.T. -0.012 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

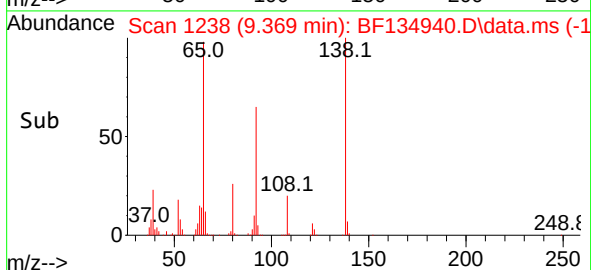
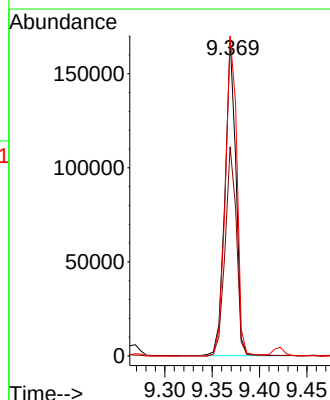
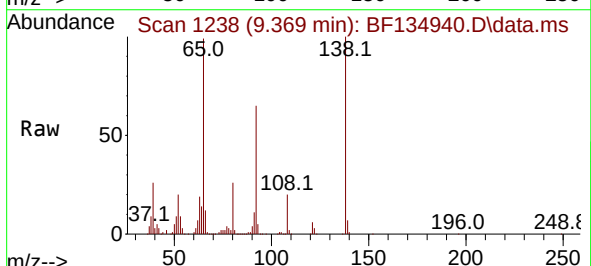
Tgt Ion: 65 Resp: 135809

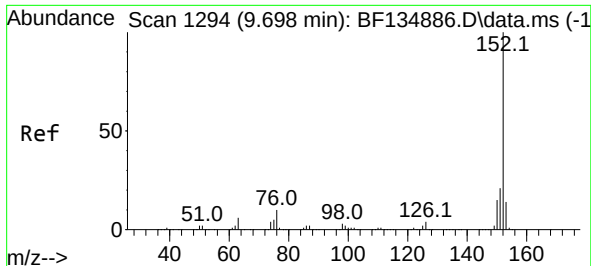
Ion Ratio Lower Upper

65 100

92 66.0 53.8 80.8

138 101.0 86.5 129.7





#49

Acenaphthylene

Concen: 46.911 ng

RT: 9.686 min Scan# 1292

Delta R.T. -0.012 min

Lab File: BF134940.D

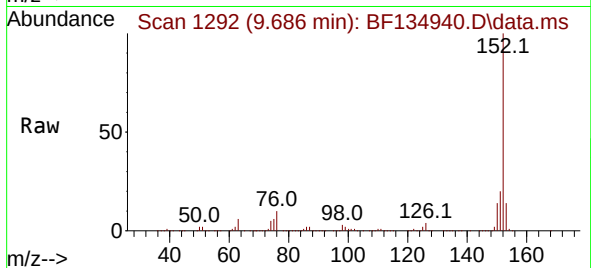
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD



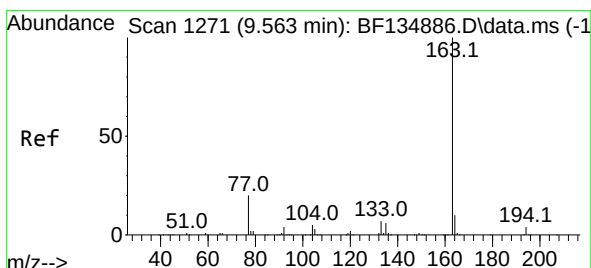
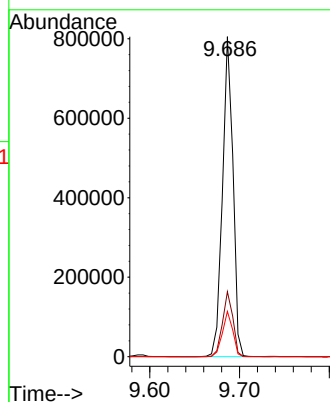
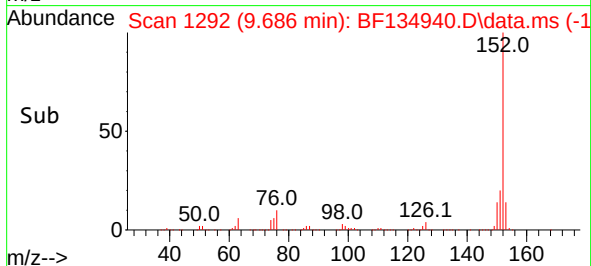
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.5	24.7
153	14.1	11.3	16.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#50

Dimethylphthalate

Concen: 45.140 ng

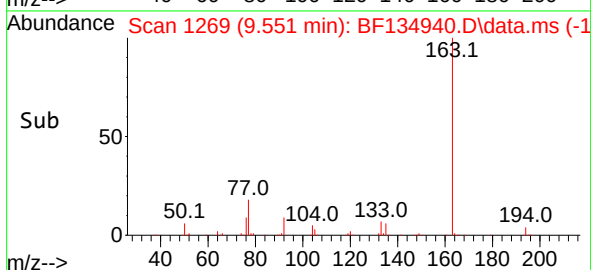
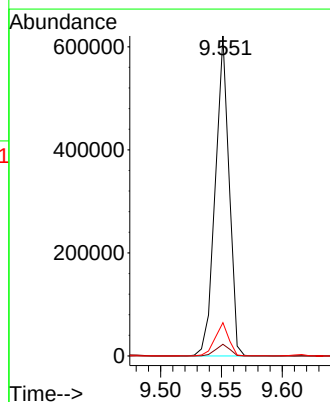
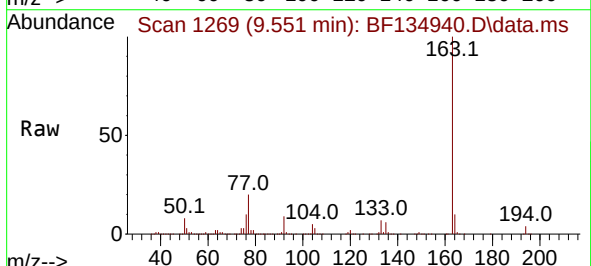
RT: 9.551 min Scan# 1269

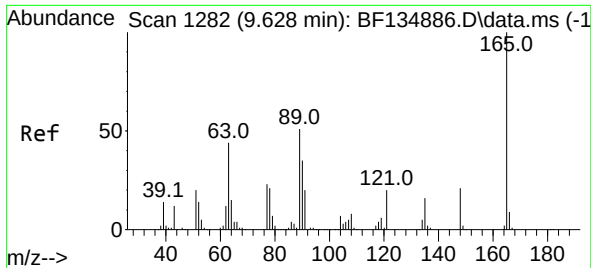
Delta R.T. -0.012 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.6	3.2	4.8
164	10.4	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 44.073 ng
RT: 9.616 min Scan# 1280
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

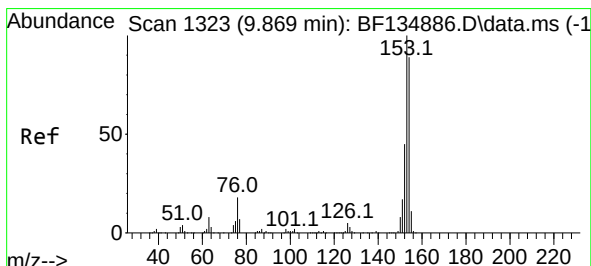
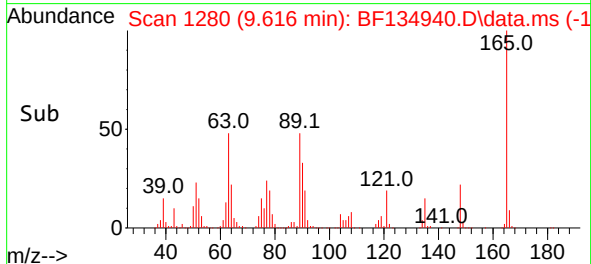
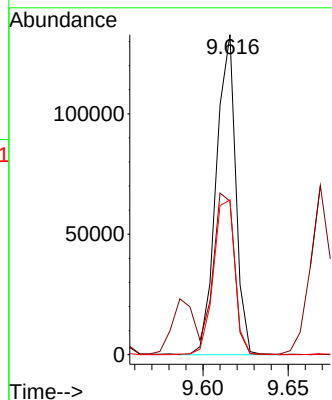
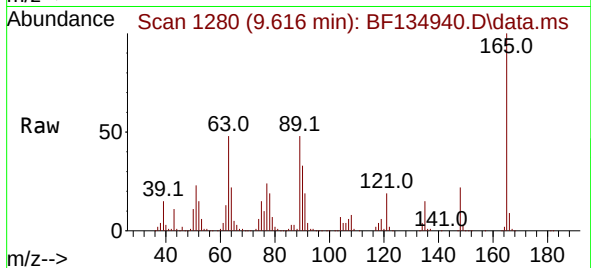
72-12013MSD

Tgt Ion:165 Resp: 106073
Ion Ratio Lower Upper
165 100
63 48.0 41.4 62.2
89 48.4 40.9 61.3

Manual Integrations

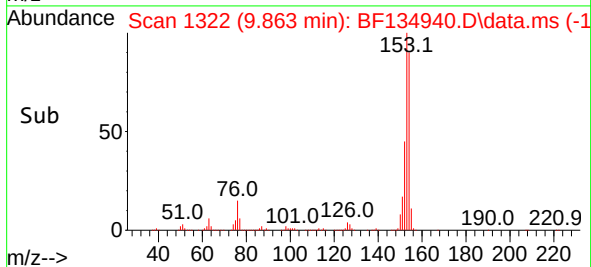
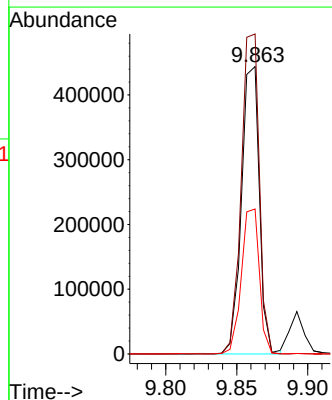
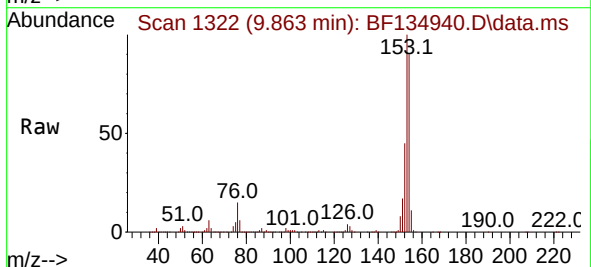
APPROVED

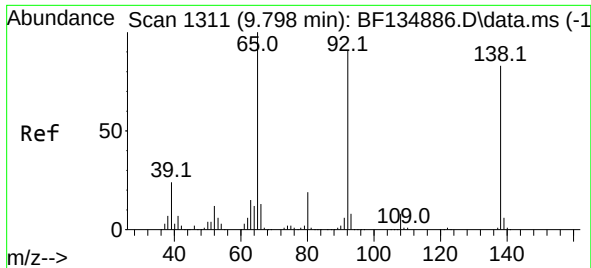
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#52
Acenaphthene
Concen: 44.611 ng
RT: 9.863 min Scan# 1322
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:154 Resp: 391173
Ion Ratio Lower Upper
154 100
153 111.4 89.6 134.4
152 50.5 40.5 60.7





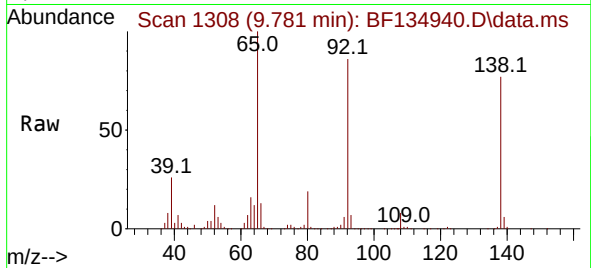
#53
3-Nitroaniline
Concen: 42.453 ng
RT: 9.781 min Scan# 111594
Delta R.T. -0.018 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

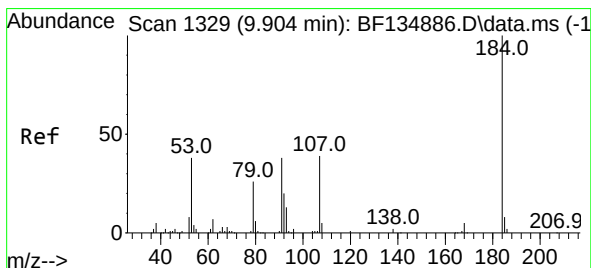
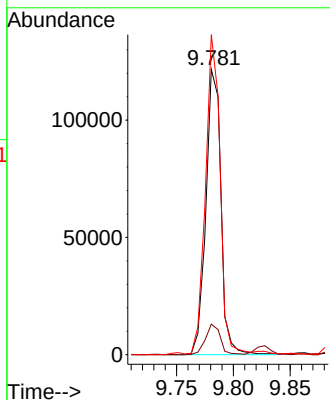
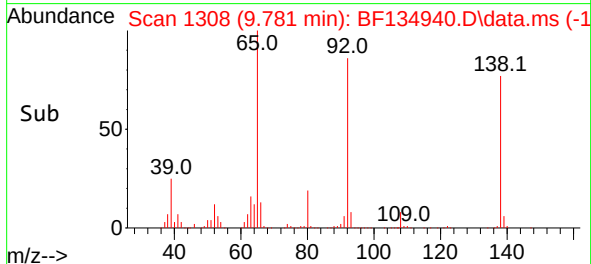


Tgt Ion:138 Resp: 111594
Ion Ratio Lower Upper
138 100
108 10.7 8.0 12.0
92 112.2 87.6 131.4

Manual Integrations

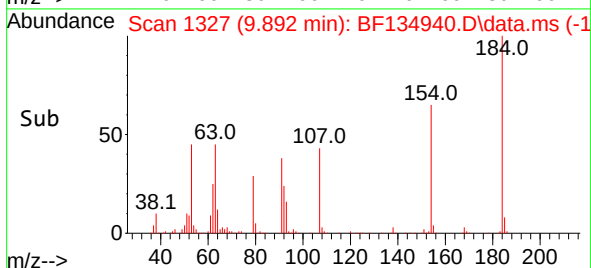
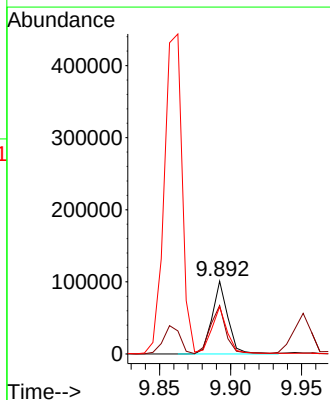
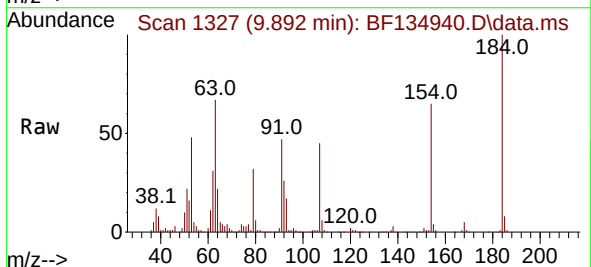
APPROVED

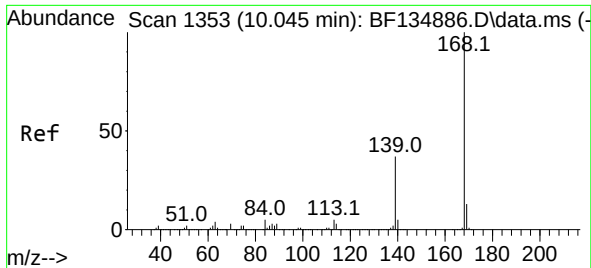
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#54
2,4-Dinitrophenol
Concen: 68.371 ng
RT: 9.892 min Scan# 1327
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:184 Resp: 77856
Ion Ratio Lower Upper
184 100
63 66.7 42.8 64.2#
154 65.0 48.0 72.0





#55
Dibenzenofuran
Concen: 45.624 ng
RT: 10.033 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

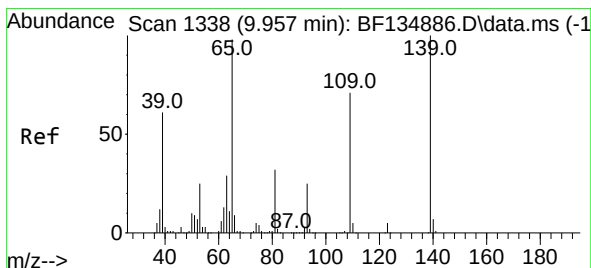
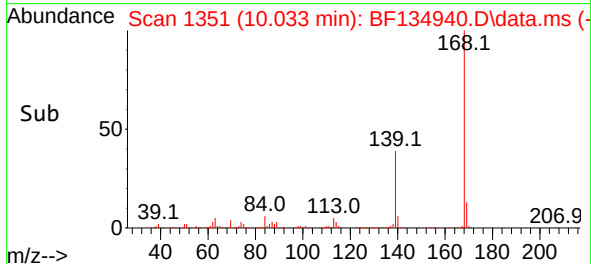
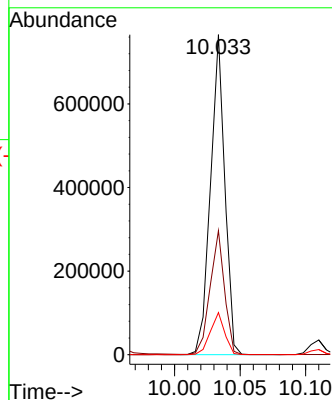
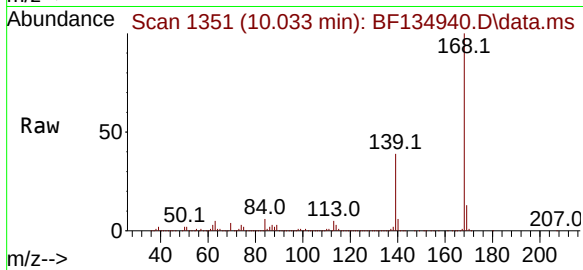
ClientSampleId :

72-12013MSD

Tgt Ion:168 Resp: 582458
Ion Ratio Lower Upper
168 100
139 38.8 29.5 44.3
169 13.2 10.7 16.1

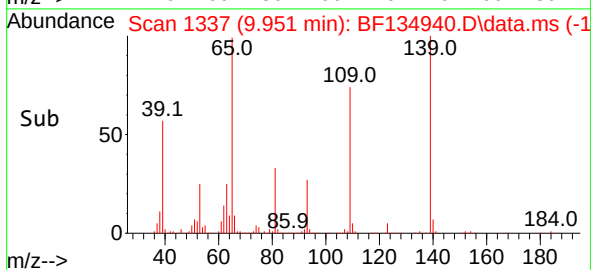
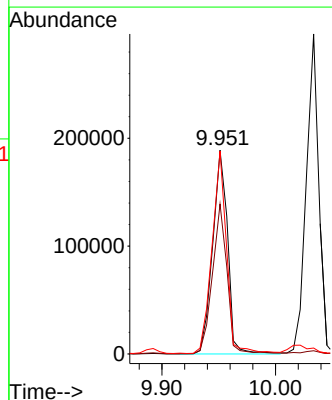
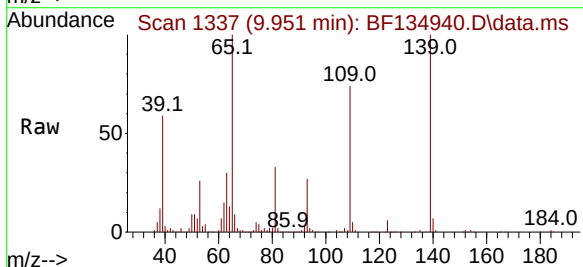
Manual Integrations
APPROVED

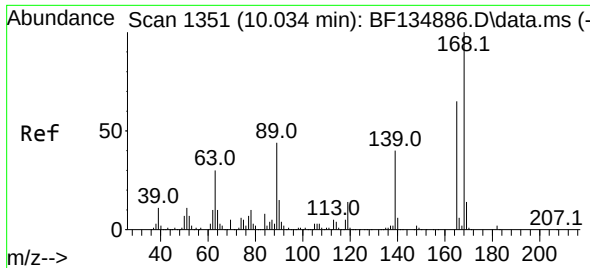
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#56
4-Nitrophenol
Concen: 94.467 ng
RT: 9.951 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:139 Resp: 173051
Ion Ratio Lower Upper
139 100
109 73.6 51.0 91.0
65 99.6 78.5 118.5





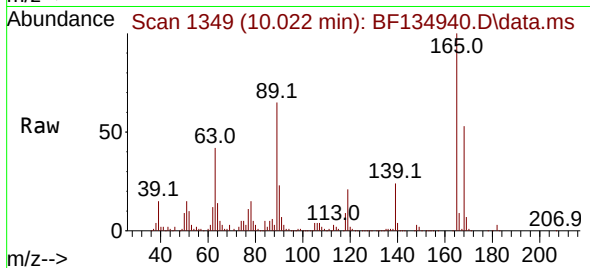
#57
2,4-Dinitrotoluene
Concen: 46.223 ng
RT: 10.022 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

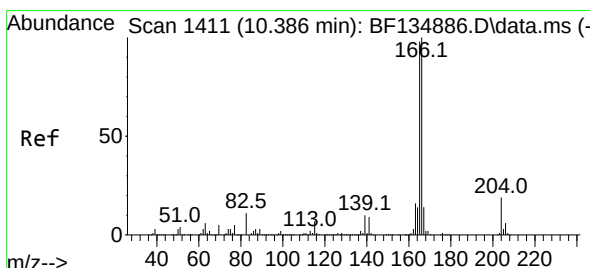
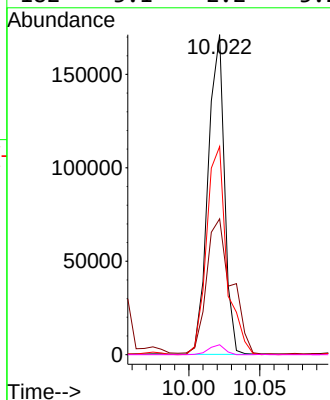
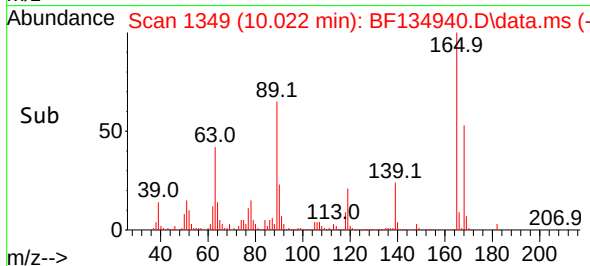


Tgt Ion:165 Resp: 137570
Ion Ratio Lower Upper
165 100
63 42.5 37.7 56.5
89 65.0 54.2 81.4
182 3.1 2.2 3.2

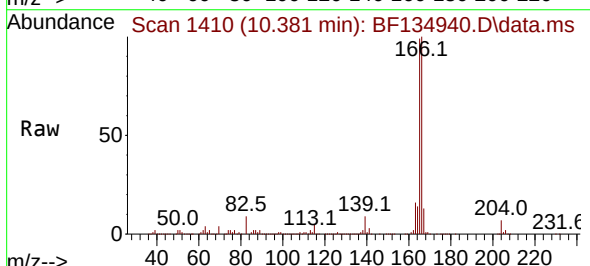
Manual Integrations

APPROVED

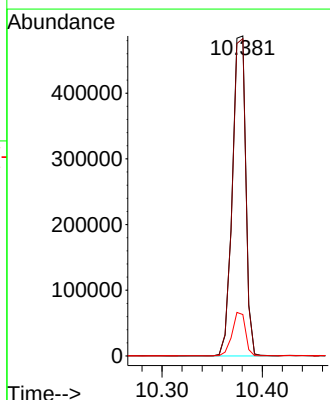
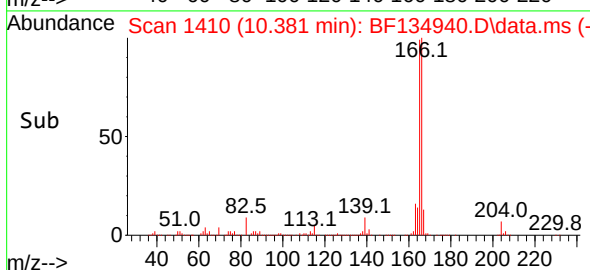
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023

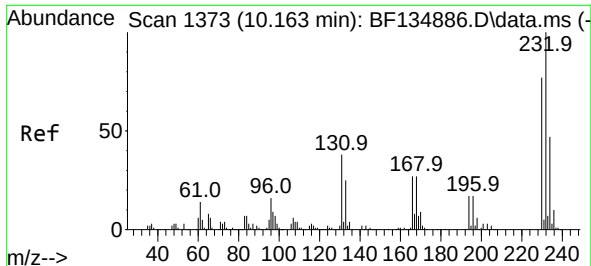


#58
Fluorene
Concen: 46.668 ng
RT: 10.381 min Scan# 1410
Delta R.T. -0.005 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47



Tgt Ion:166 Resp: 451869
Ion Ratio Lower Upper
166 100
165 99.1 78.5 117.7
167 13.0 11.0 16.6





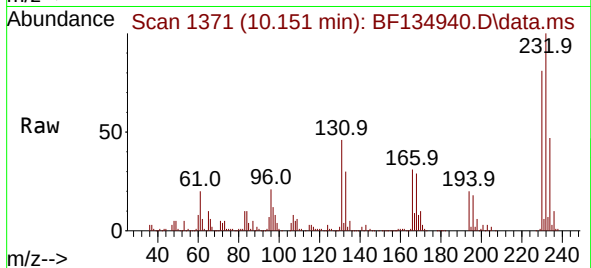
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.678 ng
RT: 10.151 min Scan# 1371
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

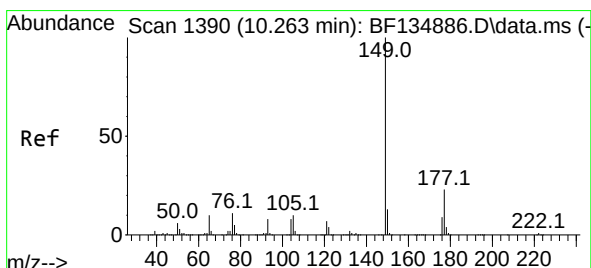
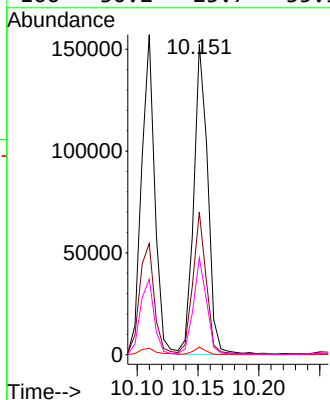
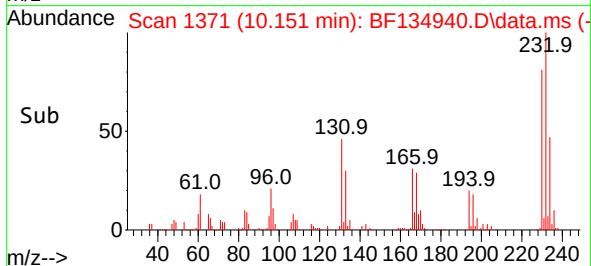


Tgt Ion:232 Resp: 121544
Ion Ratio Lower Upper
232 100
131 44.1 33.9 50.9
130 2.3 1.6 2.4
166 30.2 23.7 35.5

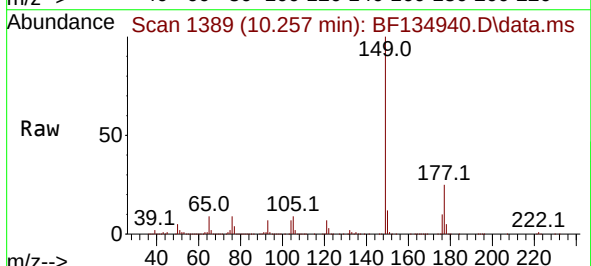
Manual Integrations

APPROVED

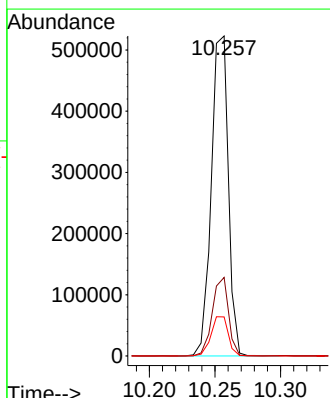
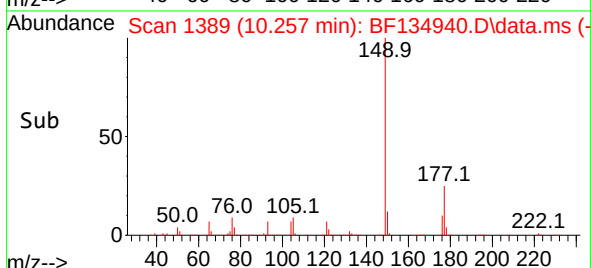
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023

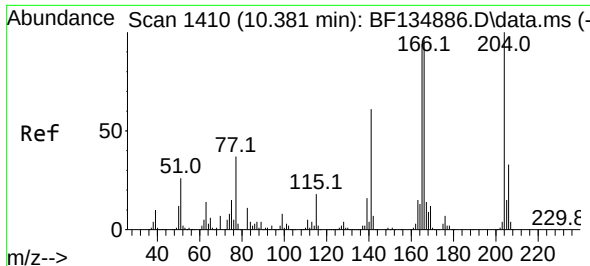


#60
Diethylphthalate
Concen: 47.289 ng
RT: 10.257 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47



Tgt Ion:149 Resp: 472764
Ion Ratio Lower Upper
149 100
177 24.5 18.4 27.6
150 12.2 10.3 15.5





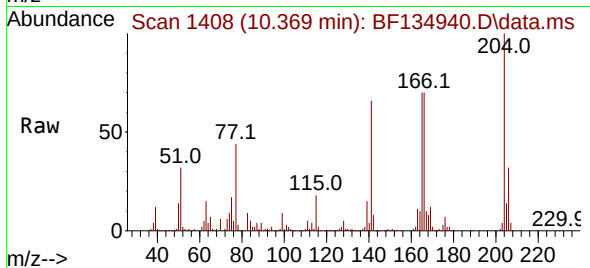
#61
4-Chlorophenyl-phenylether
Concen: 45.499 ng
RT: 10.369 min Scan# 1408
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

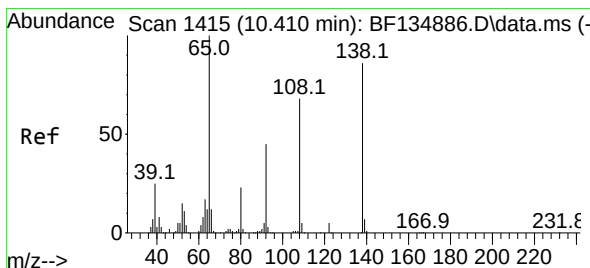
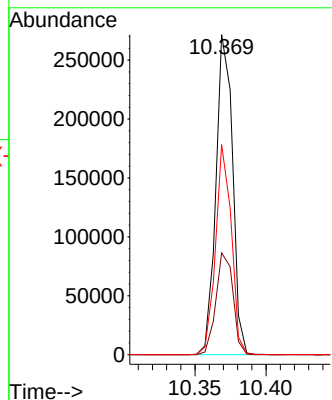
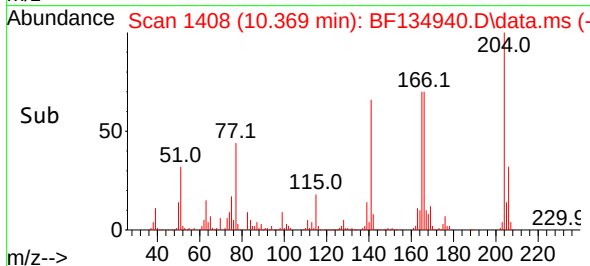


Tgt Ion:204 Resp: 220848
Ion Ratio Lower Upper
204 100
206 31.8 26.3 39.5
141 65.6 48.6 73.0

Manual Integrations

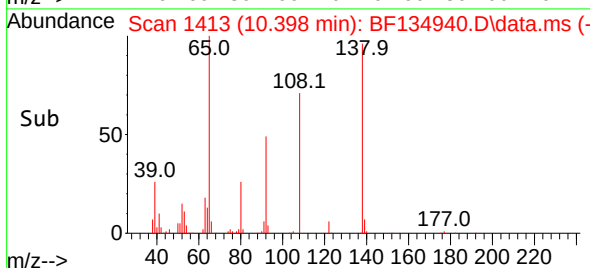
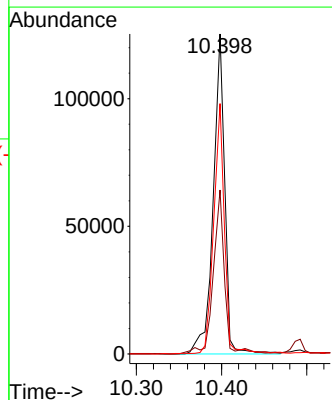
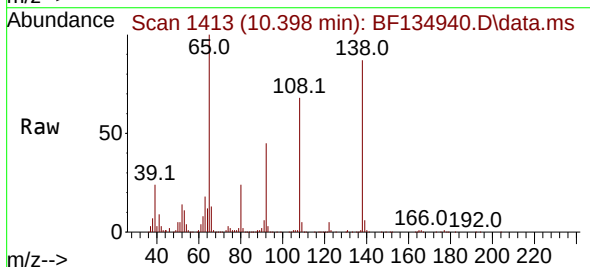
APPROVED

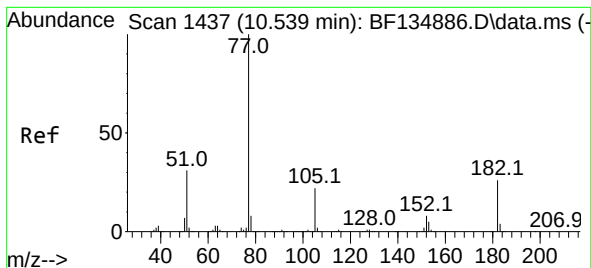
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#62
4-Nitroaniline
Concen: 48.196 ng
RT: 10.398 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:138 Resp: 118432
Ion Ratio Lower Upper
138 100
92 51.3 32.5 72.5
108 78.2 58.6 98.6





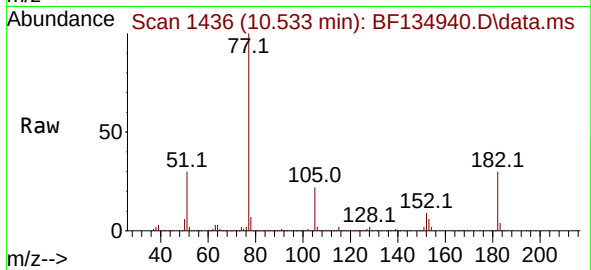
#63
Azobenzene
Concen: 44.452 ng
RT: 10.533 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

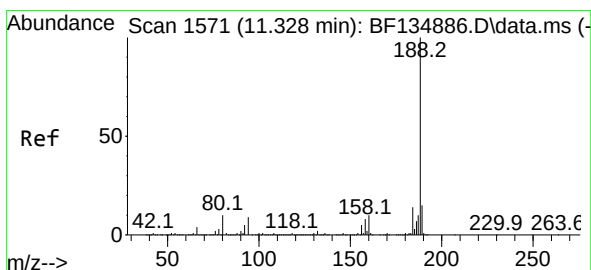
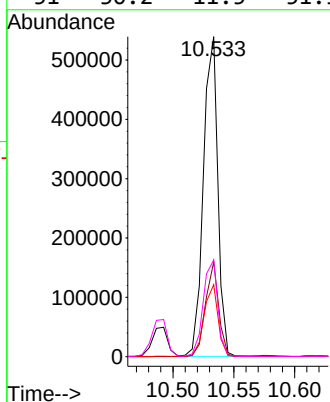
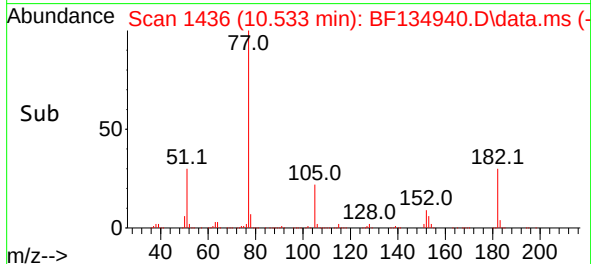


Tgt Ion: 77 Resp: 441477
Ion Ratio Lower Upper
77 100
182 29.6 5.8 45.8
105 22.5 1.6 41.6
51 30.2 11.5 51.5

Manual Integrations

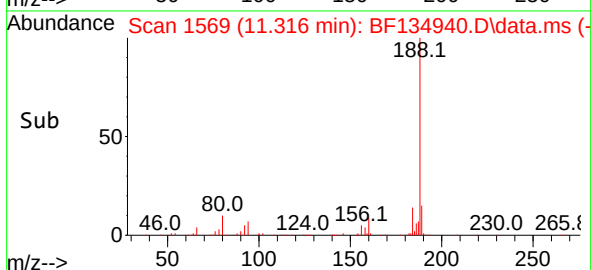
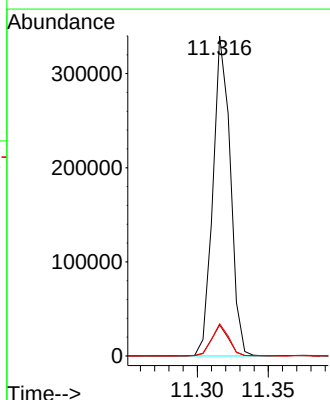
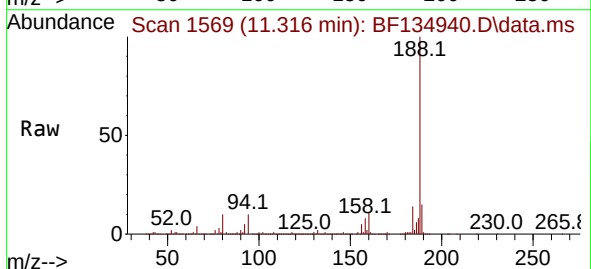
APPROVED

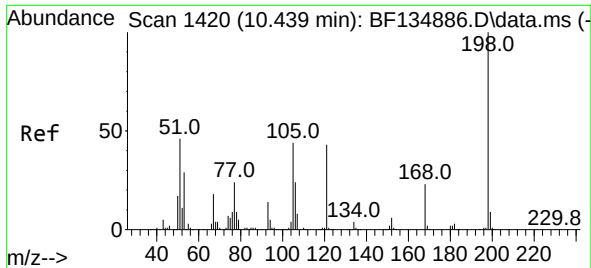
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

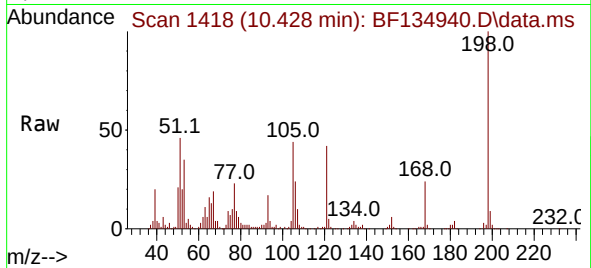
Tgt Ion:188 Resp: 289144
Ion Ratio Lower Upper
188 100
94 9.7 7.5 11.3
80 10.0 7.8 11.6





#65
4,6-Dinitro-2-methylphenol
Concen: 34.340 ng
RT: 10.428 min Scan# 1418
Delta R.T. -0.011 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

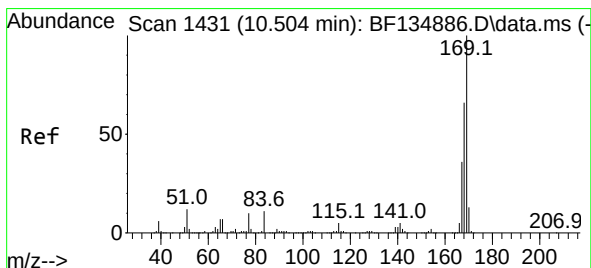
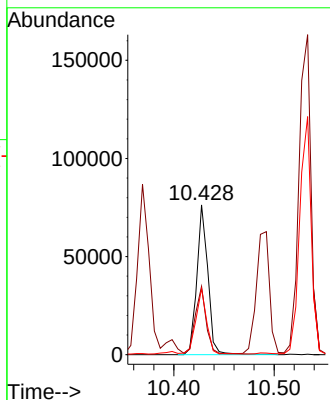
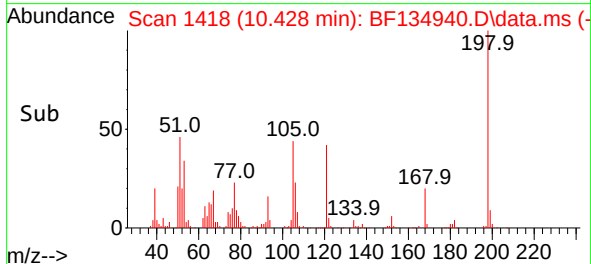
Instrument :
BNA_F
ClientSampleId :
72-12013MSD



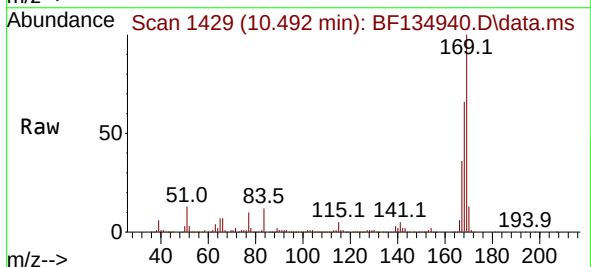
Tgt Ion:198 Resp: 58588
Ion Ratio Lower Upper
198 100
51 45.6 30.3 70.3
105 44.2 24.5 64.5

Manual Integrations
APPROVED

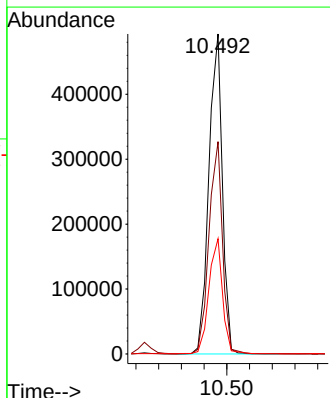
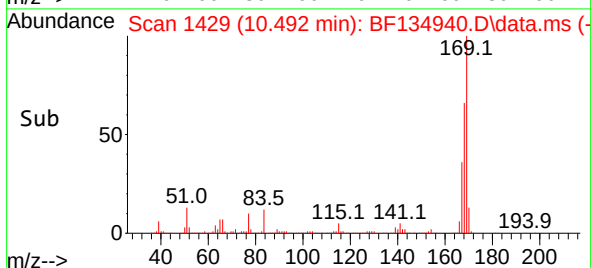
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023

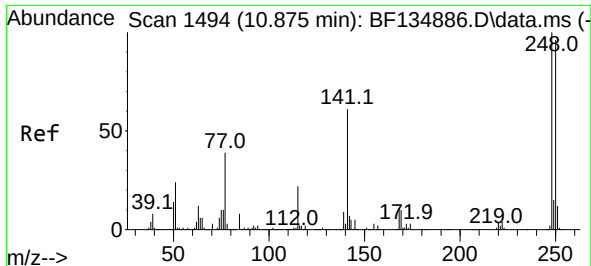


#66
n-Nitrosodiphenylamine
Concen: 43.470 ng
RT: 10.492 min Scan# 1429
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47



Tgt Ion:169 Resp: 404756
Ion Ratio Lower Upper
169 100
168 66.4 53.0 79.6
167 36.0 29.0 43.6





#67
4-Bromophenyl-phenylether
Concen: 42.754 ng
RT: 10.863 min Scan# 1492
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

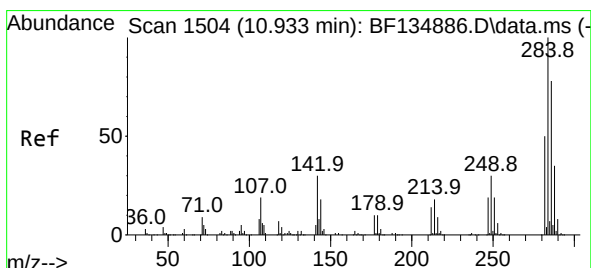
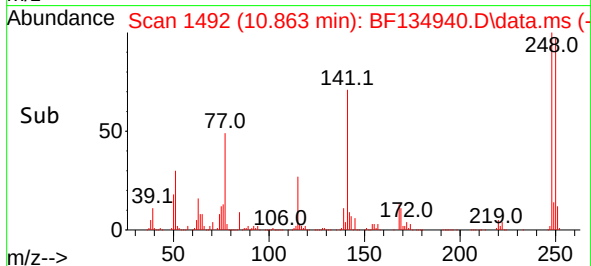
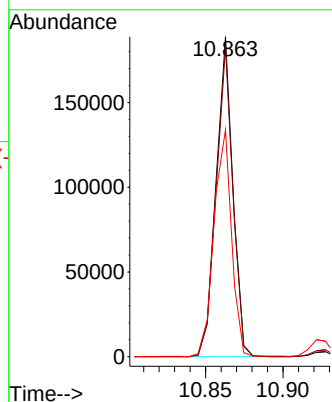
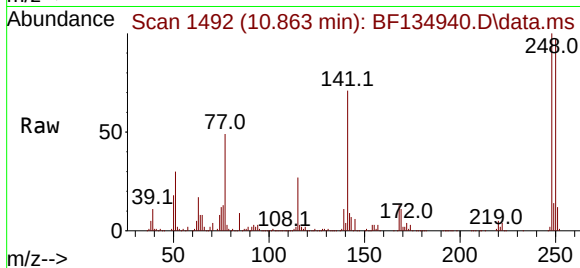
72-12013MSD

Tgt Ion:248 Resp: 142620
Ion Ratio Lower Upper
248 100
250 96.7 77.1 115.7
141 70.9 49.0 73.4

Manual Integrations

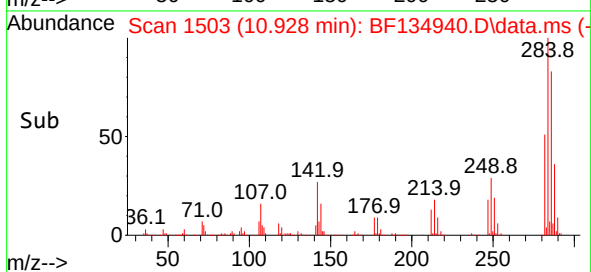
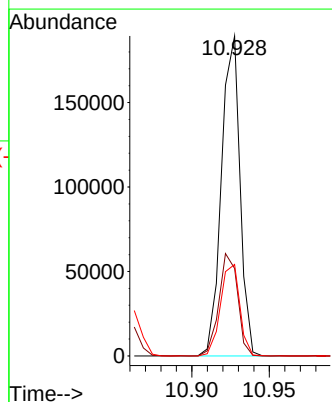
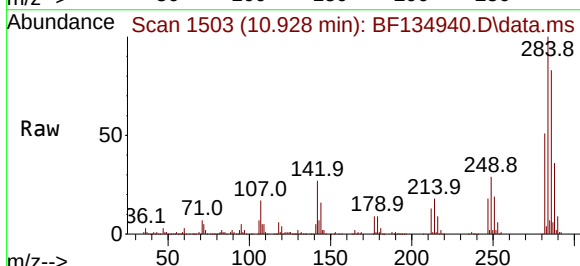
APPROVED

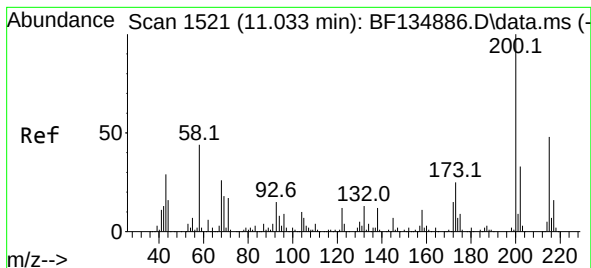
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#68
Hexachlorobenzene
Concen: 44.463 ng
RT: 10.928 min Scan# 1503
Delta R.T. -0.005 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:284 Resp: 157747
Ion Ratio Lower Upper
284 100
142 27.3 23.9 35.9
249 28.6 24.1 36.1





#69

Atrazine

Concen: 54.189 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.011 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

Tgt Ion:200 Resp: 137014

Ion Ratio Lower Upper

200 100

173 25.8 5.3 45.3

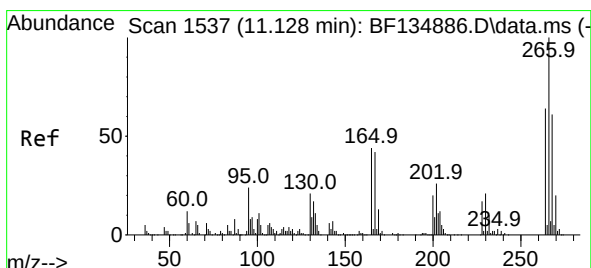
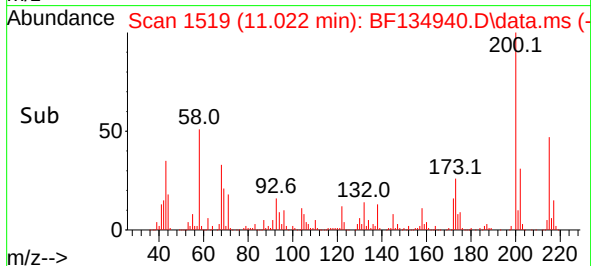
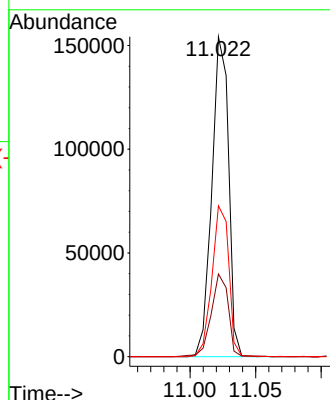
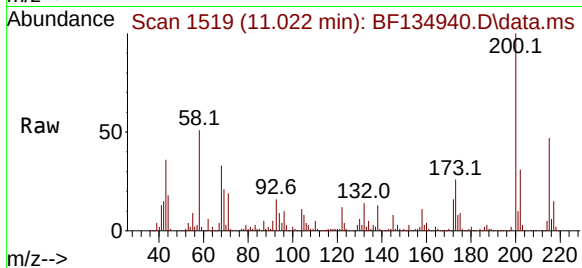
215 47.1 28.3 68.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#70

Pentachlorophenol

Concen: 66.909 ng

RT: 11.122 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

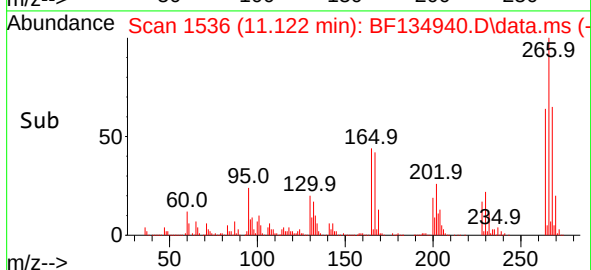
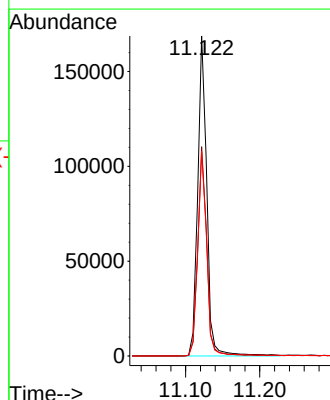
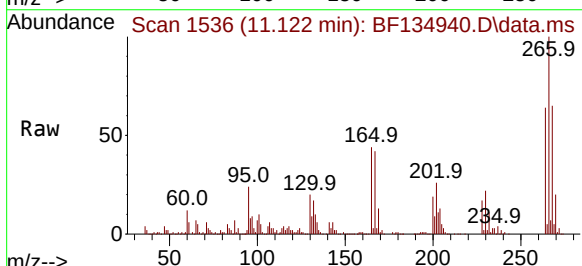
Tgt Ion:266 Resp: 142856

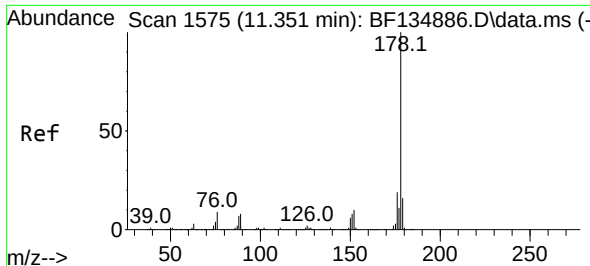
Ion Ratio Lower Upper

266 100

268 65.4 48.9 73.3

264 63.9 51.0 76.6





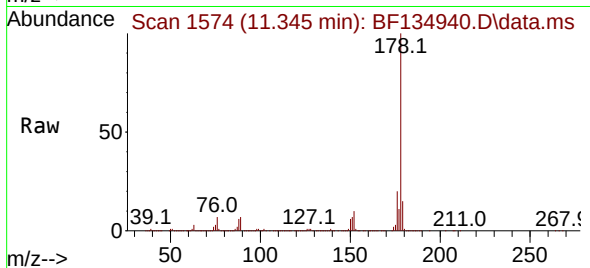
#71
Phenanthrene
Concen: 46.821 ng
RT: 11.345 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

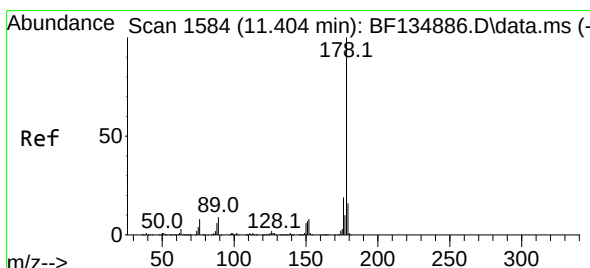
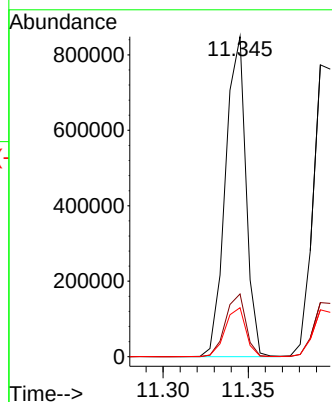
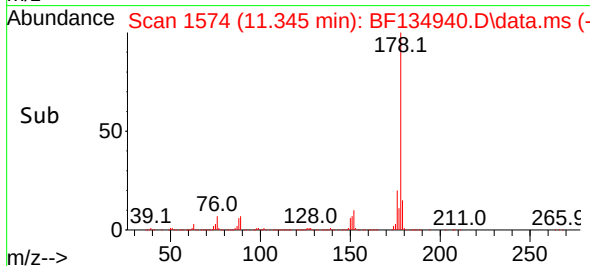


Tgt Ion:178 Resp: 709410
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.3 12.6 19.0

Manual Integrations

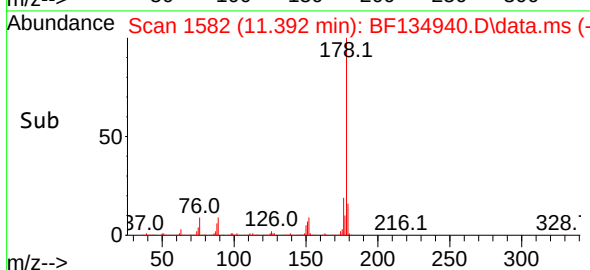
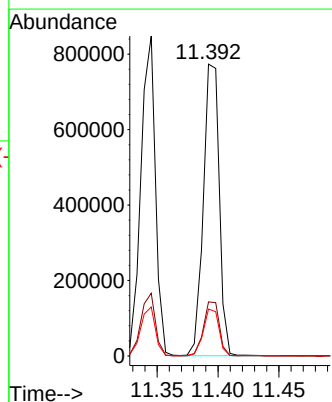
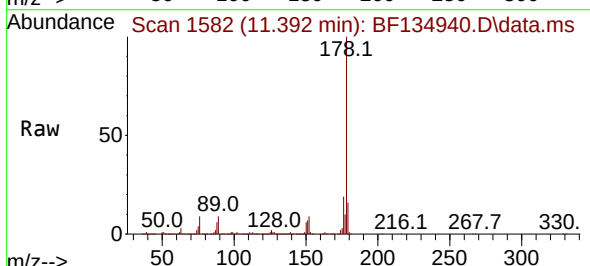
APPROVED

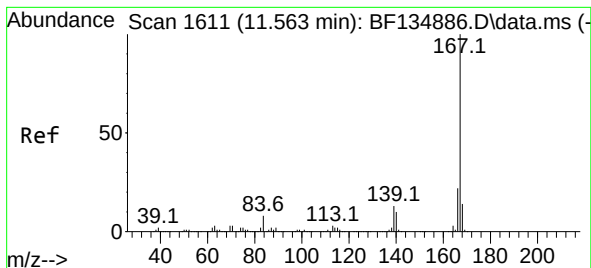
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#72
Anthracene
Concen: 45.452 ng
RT: 11.392 min Scan# 1582
Delta R.T. -0.012 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:178 Resp: 705610
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 16.0 12.5 18.7





#73

Carbazole

Concen: 48.819 ng

RT: 11.551 min Scan# 1609

Delta R.T. -0.012 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

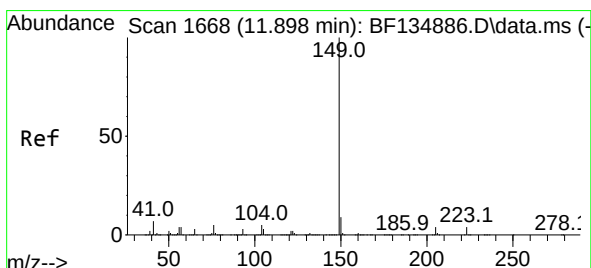
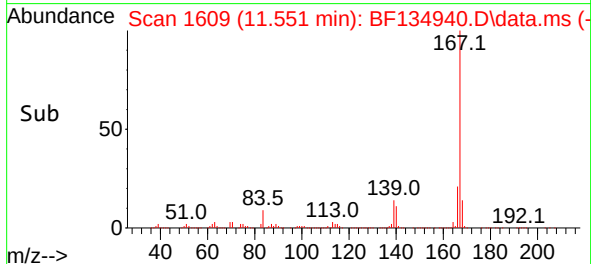
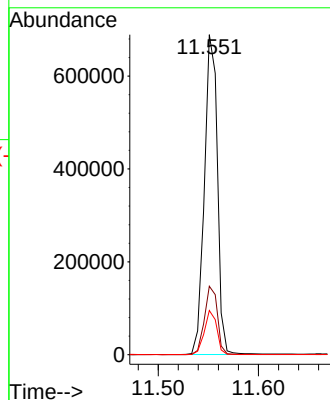
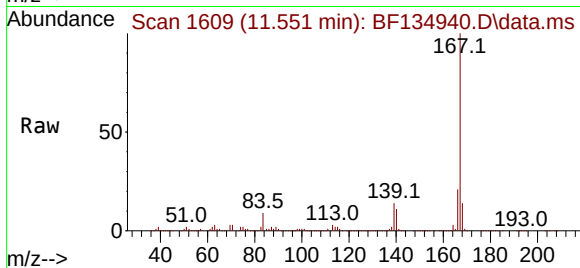
Tgt Ion:	167	Resp:	62451
Ion Ratio	Lower	Upper	
167	100		
166	21.4	17.4	26.2
139	13.8	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#74

Di-n-butylphthalate

Concen: 50.854 ng

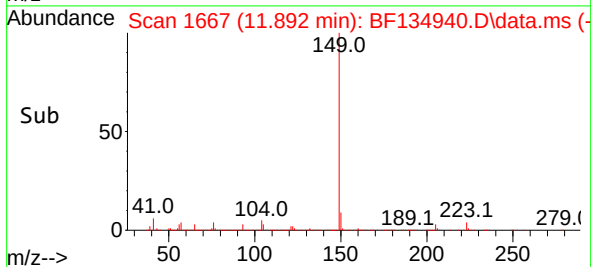
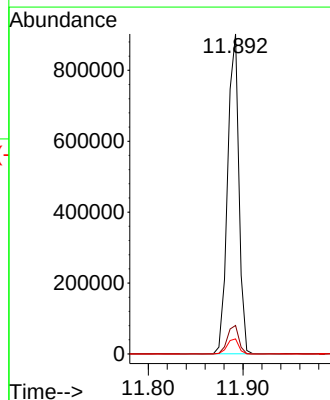
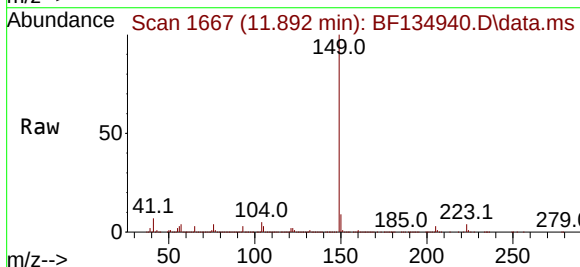
RT: 11.892 min Scan# 1667

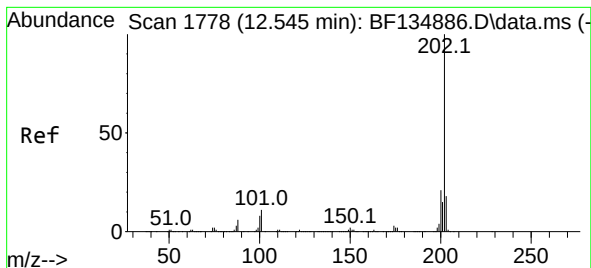
Delta R.T. -0.006 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

Tgt Ion:	149	Resp:	746101
Ion Ratio	Lower	Upper	
149	100		
150	8.9	7.4	11.2
104	4.7	4.1	6.1





#75

Fluoranthene

Concen: 53.597 ng

RT: 12.539 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

Tgt Ion:202 Resp: 769460

Ion Ratio Lower Upper

202 100

101 10.0 0.0 30.5

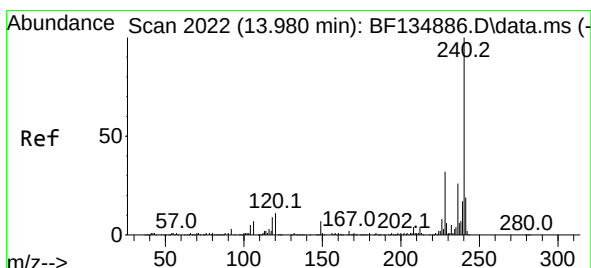
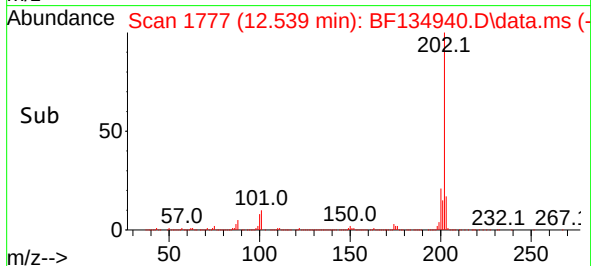
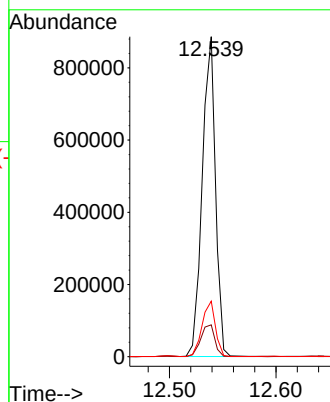
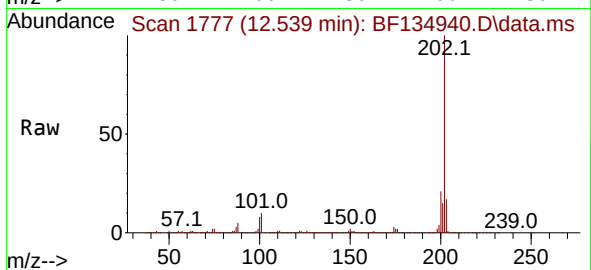
203 17.4 0.0 37.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.974 min Scan# 2021

Delta R.T. -0.006 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

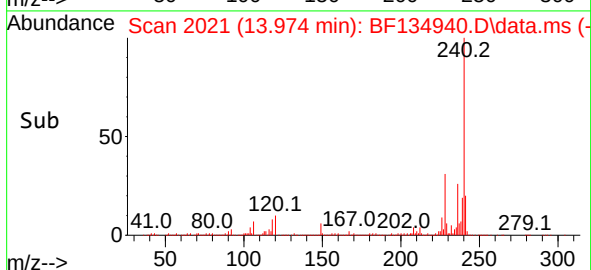
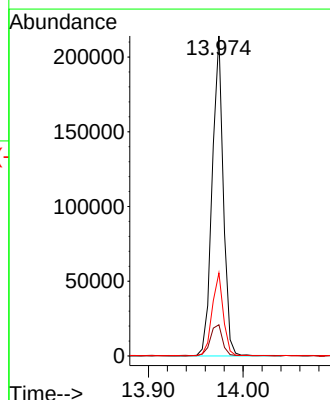
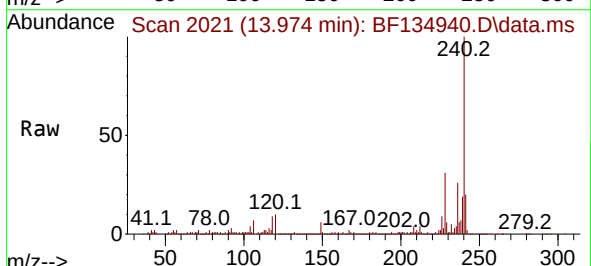
Tgt Ion:240 Resp: 173839

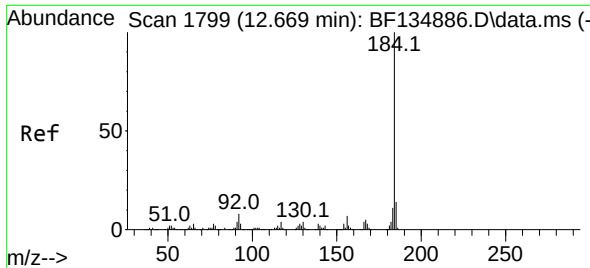
Ion Ratio Lower Upper

240 100

120 9.8 8.6 12.8

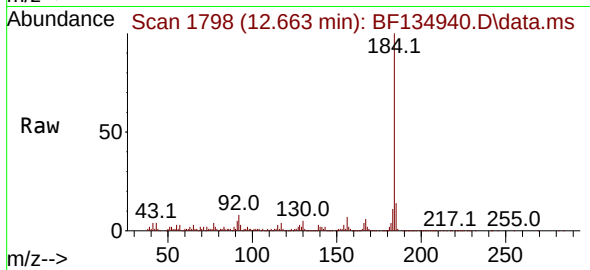
236 25.9 20.6 31.0





#77
Benzidine
Concen: 58.256 ng
RT: 12.663 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

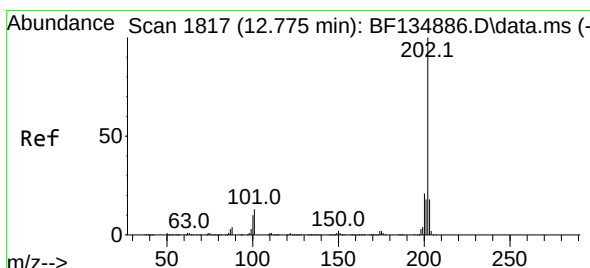
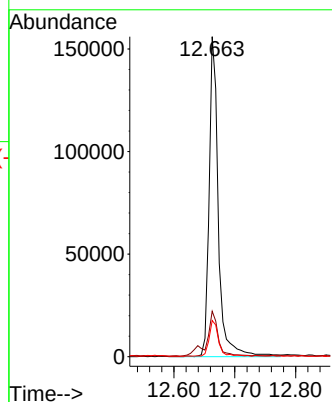
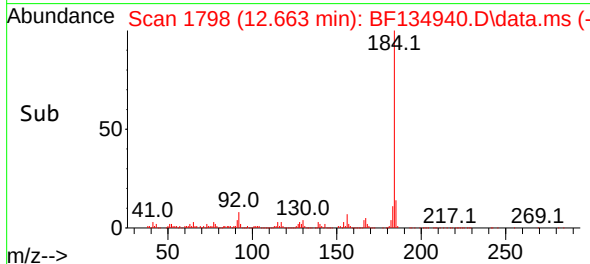
Instrument :
BNA_F
ClientSampleId :
72-12013MSD



Tgt Ion:184 Resp: 16431
Ion Ratio Lower Upper
184 100
185 14.2 11.4 17.0
183 11.3 9.0 13.4

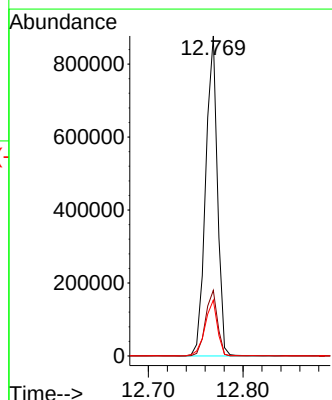
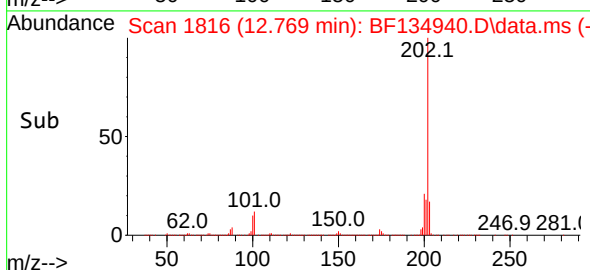
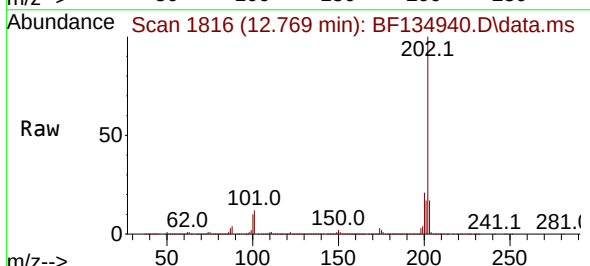
Manual Integrations
APPROVED

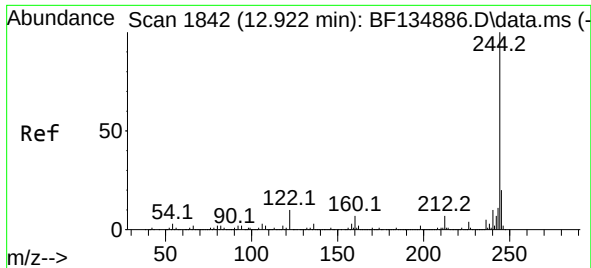
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#78
Pyrene
Concen: 41.005 ng
RT: 12.769 min Scan# 1816
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:202 Resp: 755783
Ion Ratio Lower Upper
202 100
200 20.5 17.1 25.7
203 17.4 14.2 21.2





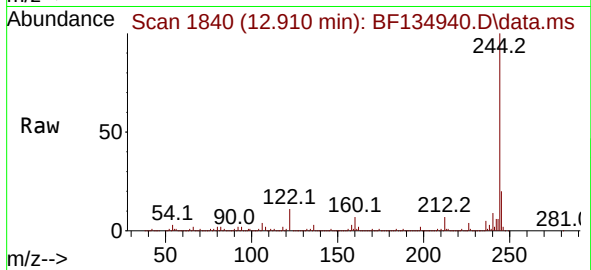
#79
 Terphenyl-d14
 Concen: 47.401 ng
 RT: 12.910 min Scan# 1842
 Delta R.T. -0.012 min
 Lab File: BF134940.D
 Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

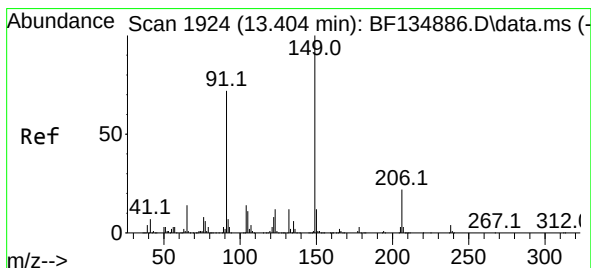
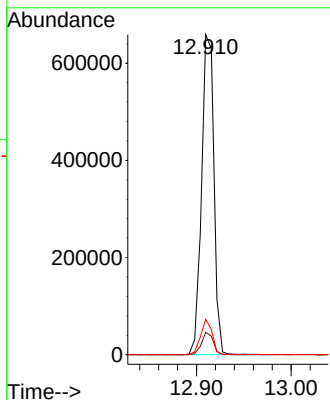
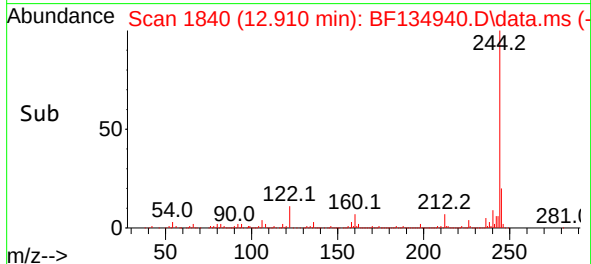


Tgt Ion:244 Resp: 59911
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 11.0 8.2 12.4

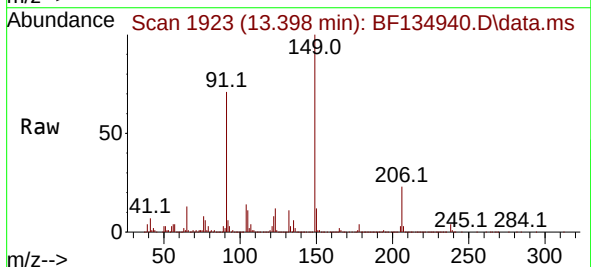
Manual Integrations

APPROVED

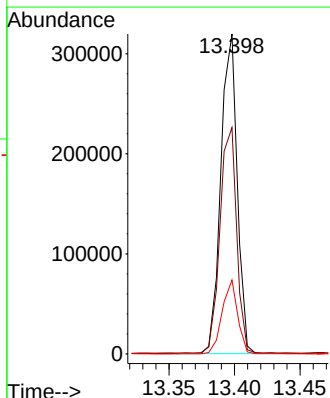
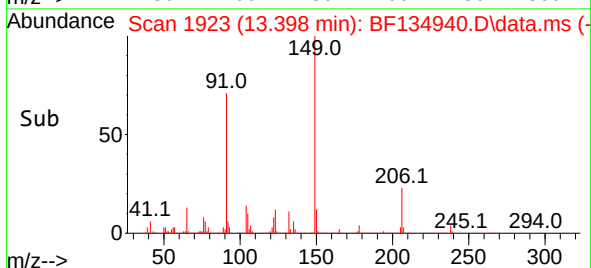
Reviewed By :Yogesh Patel 08/26/2023
 Supervised By :mohammad ahmed 08/26/2023

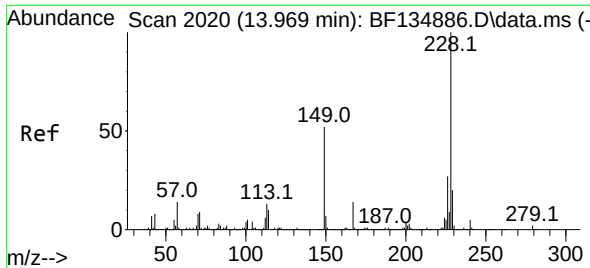


#80
 Butylbenzylphthalate
 Concen: 49.362 ng
 RT: 13.398 min Scan# 1923
 Delta R.T. -0.006 min
 Lab File: BF134940.D
 Acq: 25 Aug 2023 14:47



Tgt Ion:149 Resp: 277194
 Ion Ratio Lower Upper
 149 100
 91 70.8 57.2 85.8
 206 23.1 18.0 27.0





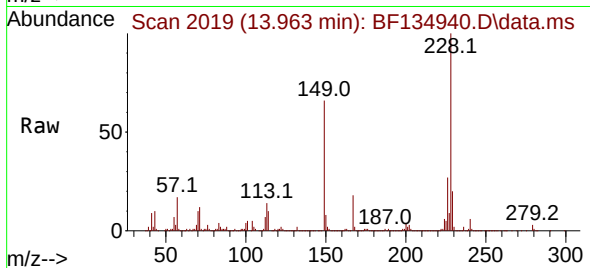
#81
Benzo(a)anthracene
Concen: 45.651 ng
RT: 13.963 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

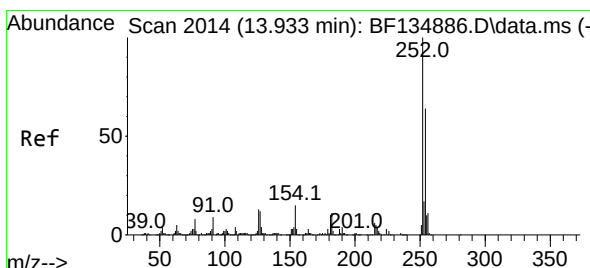
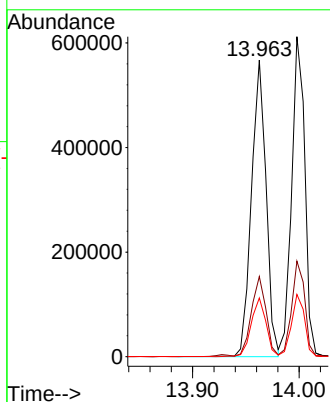
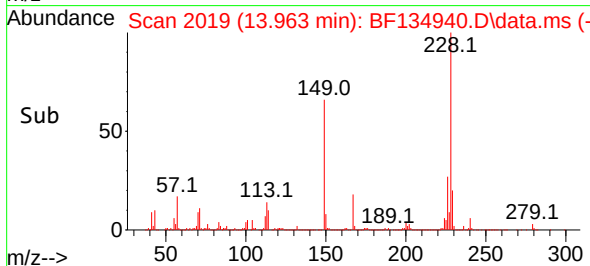


Tgt Ion:228 Resp: 54144
Ion Ratio Lower Upper
228 100
226 27.0 21.8 32.6
229 19.8 15.6 23.4

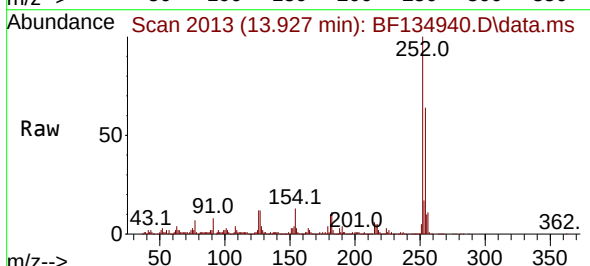
Manual Integrations

APPROVED

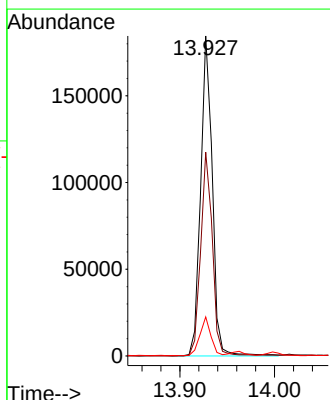
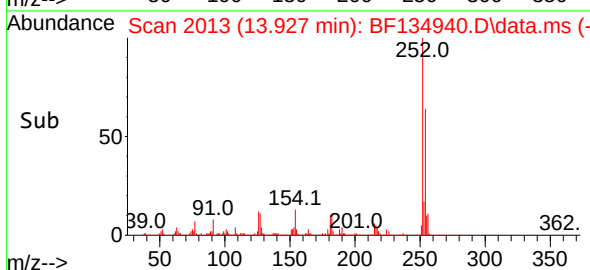
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023

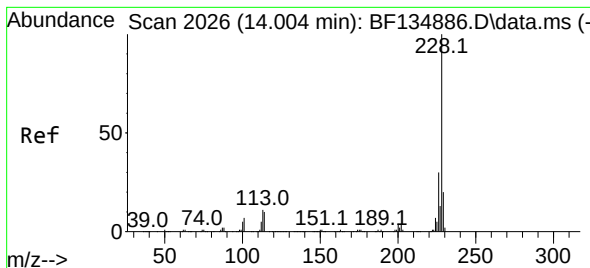


#82
3,3'-Dichlorobenzidine
Concen: 42.265 ng
RT: 13.927 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47



Tgt Ion:252 Resp: 158659
Ion Ratio Lower Upper
252 100
254 63.7 51.6 77.4
126 12.2 10.3 15.5





#83

Chrysene

Concen: 45.102 ng

RT: 13.998 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

Tgt Ion:228 Resp: 52780

Ion Ratio Lower Upper

228 100

226 29.9 24.2 36.2

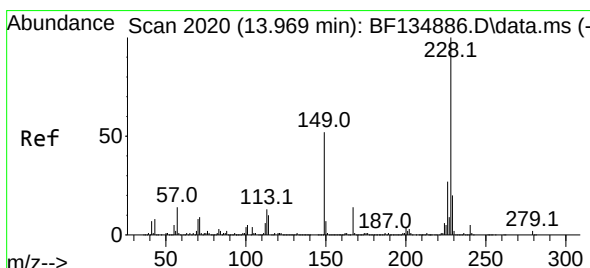
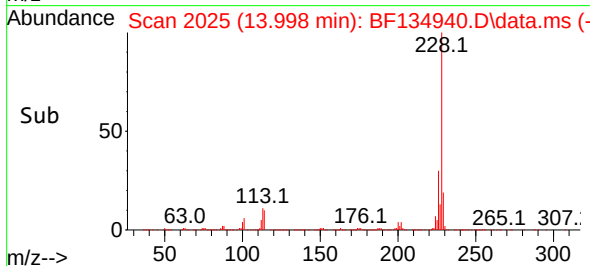
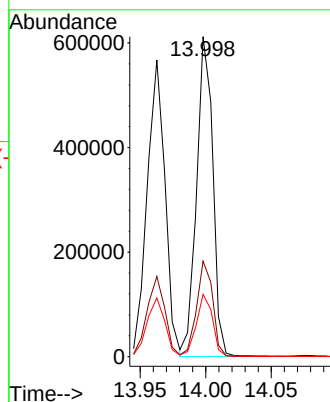
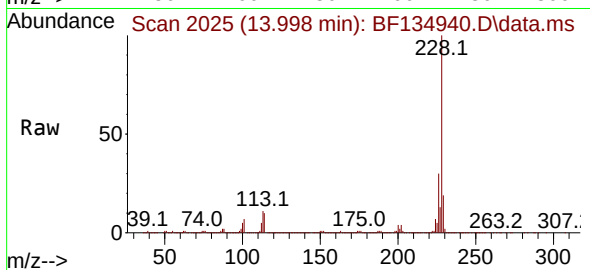
229 19.4 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.769 ng

RT: 13.963 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

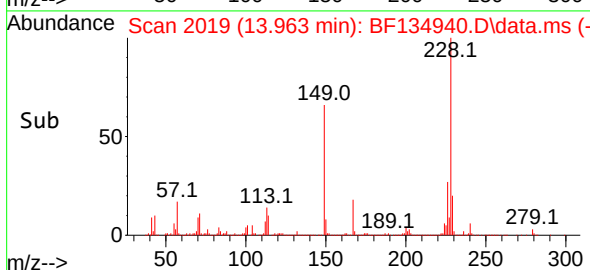
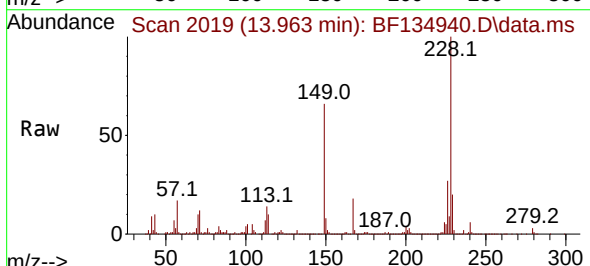
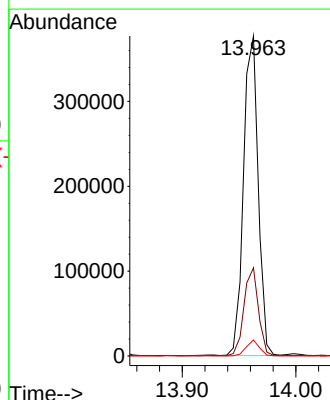
Tgt Ion:149 Resp: 339245

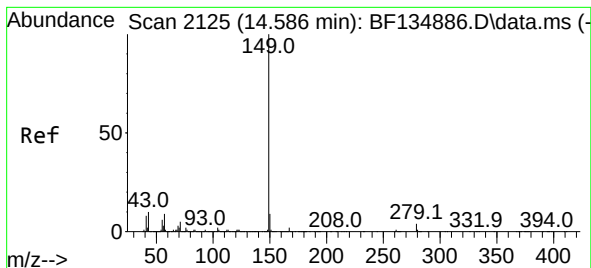
Ion Ratio Lower Upper

149 100

167 27.6 22.1 33.1

279 5.0 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 54.428 ng

RT: 14.580 min Scan# 2125

Delta R.T. -0.006 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

Tgt Ion:149 Resp: 539880

Ion Ratio Lower Upper

149 100

167 1.5 1.2 1.8

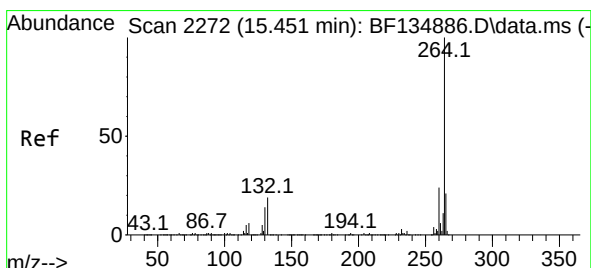
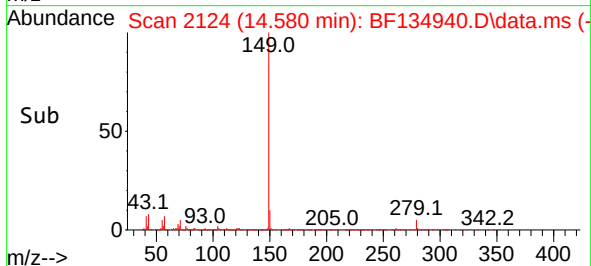
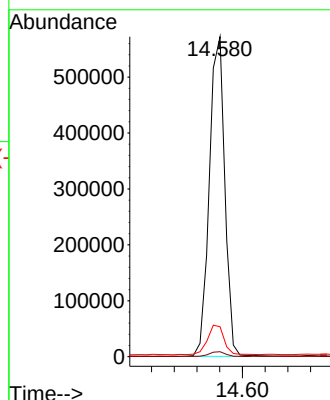
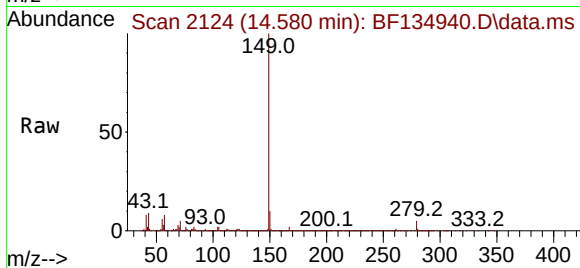
43 9.9 8.3 12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.012 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

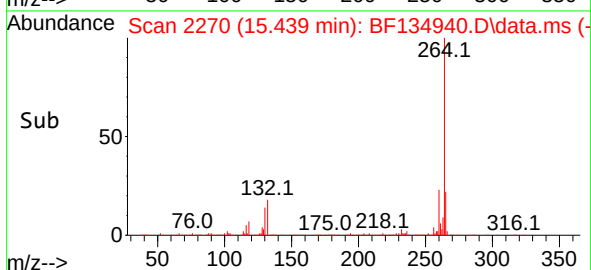
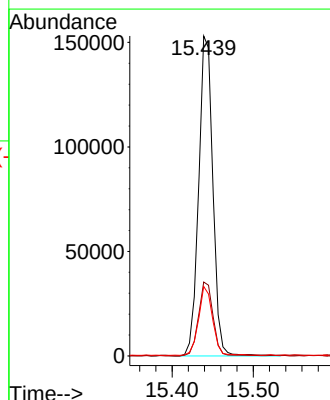
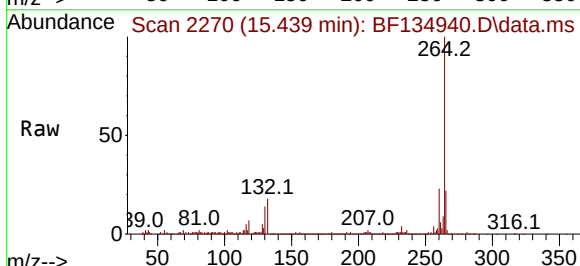
Tgt Ion:264 Resp: 186721

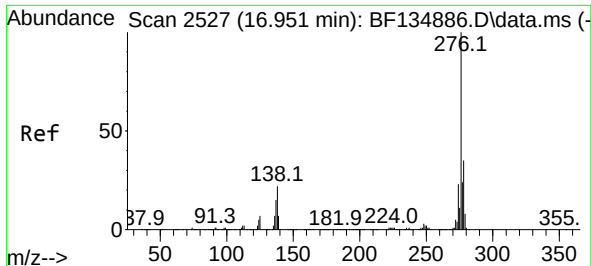
Ion Ratio Lower Upper

264 100

260 23.1 19.0 28.6

265 21.7 17.1 25.7





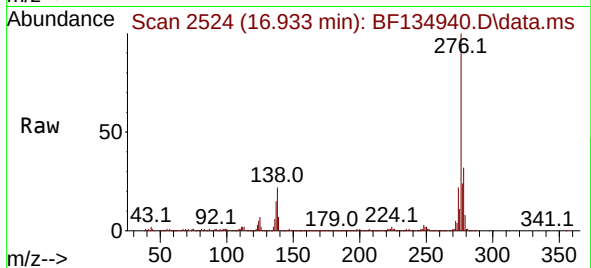
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.239 ng
RT: 16.933 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

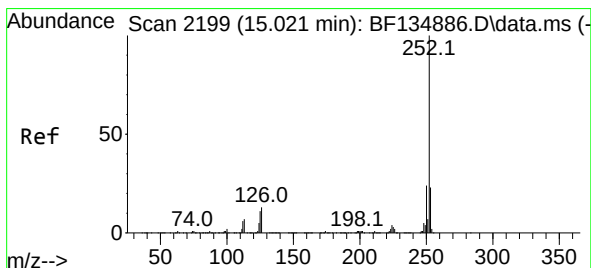
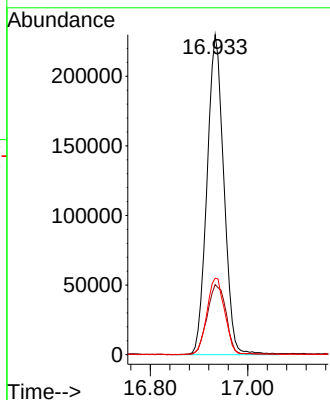
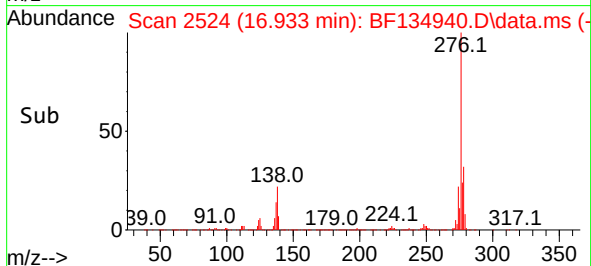


Tgt Ion:276 Resp: 55039
Ion Ratio Lower Upper
276 100
138 24.8 19.7 29.5
277 25.6 20.1 30.1

Manual Integrations

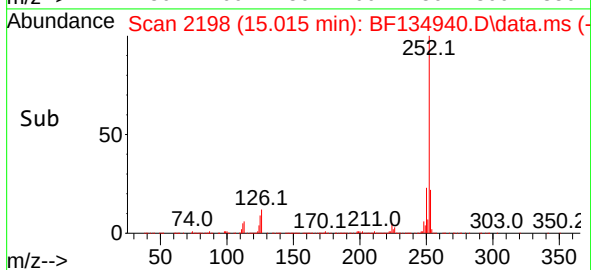
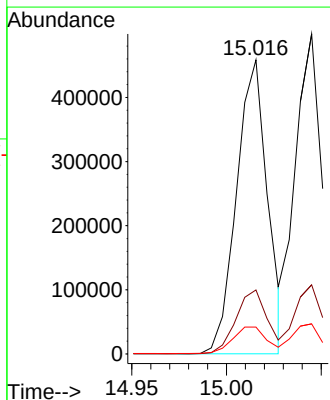
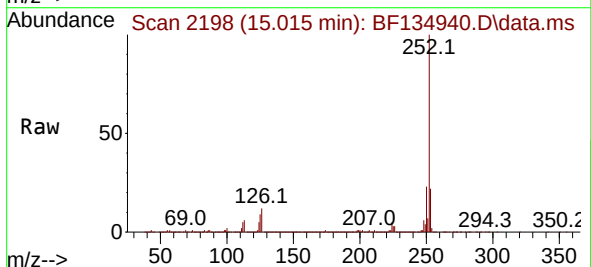
APPROVED

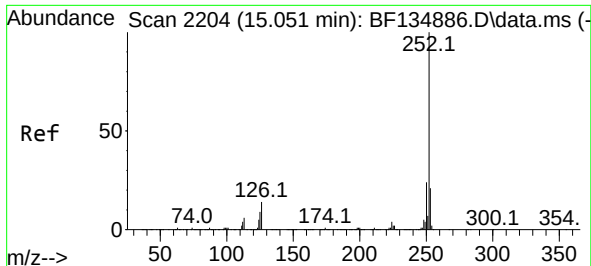
Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#88
Benzo(b)fluoranthene
Concen: 49.418 ng
RT: 15.015 min Scan# 2198
Delta R.T. -0.006 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Tgt Ion:252 Resp: 520602
Ion Ratio Lower Upper
252 100
253 21.7 18.1 27.1
125 9.1 8.4 12.6





#89

Benzo(k)fluoranthene

Concen: 47.228 ng

RT: 15.045 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

Tgt Ion:252 Resp: 488560

Ion Ratio Lower Upper

252 100

253 21.6 17.1 25.7

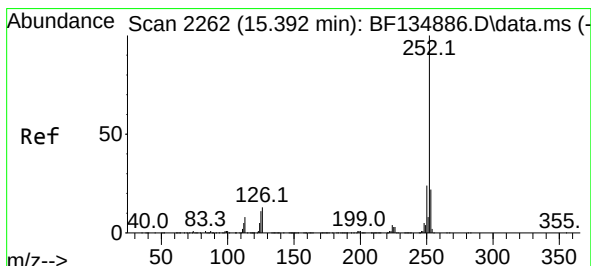
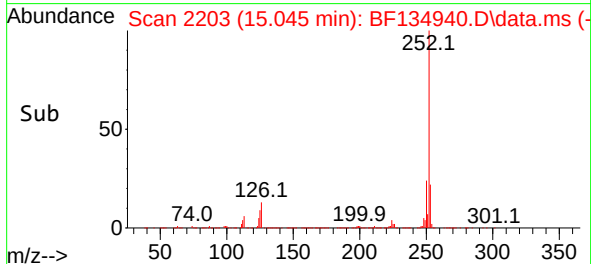
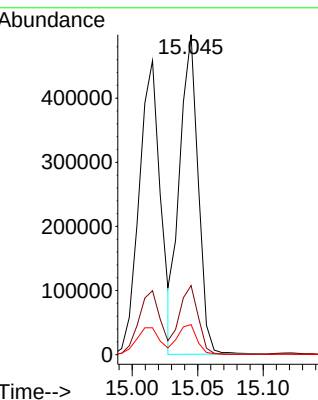
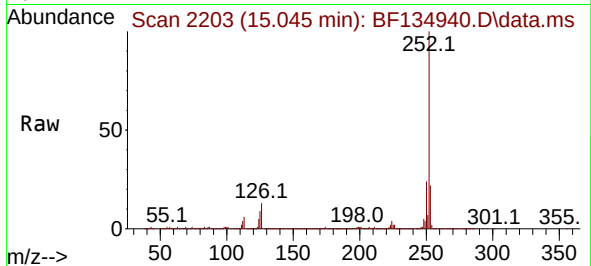
125 9.4 8.0 12.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023

Supervised By :mohammad ahmed 08/26/2023



#90

Benzo(a)pyrene

Concen: 43.627 ng

RT: 15.380 min Scan# 2260

Delta R.T. -0.012 min

Lab File: BF134940.D

Acq: 25 Aug 2023 14:47

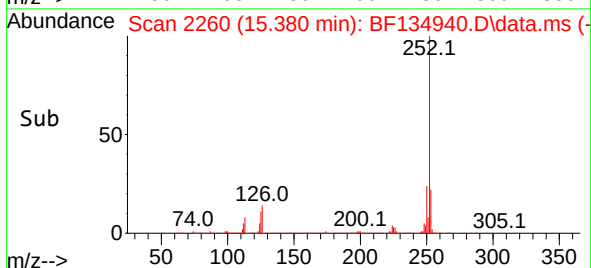
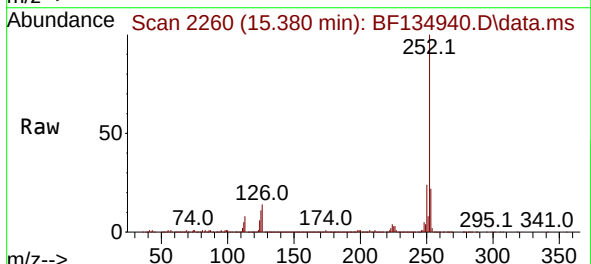
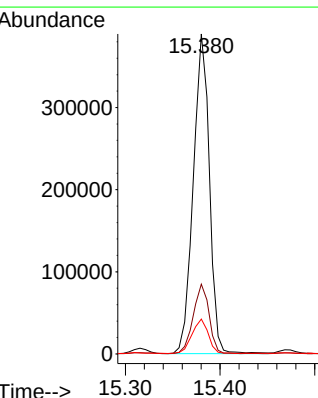
Tgt Ion:252 Resp: 458809

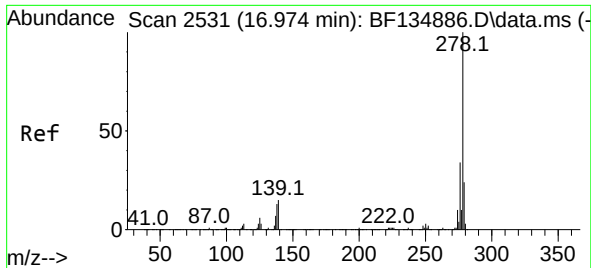
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 10.9 8.4 12.6





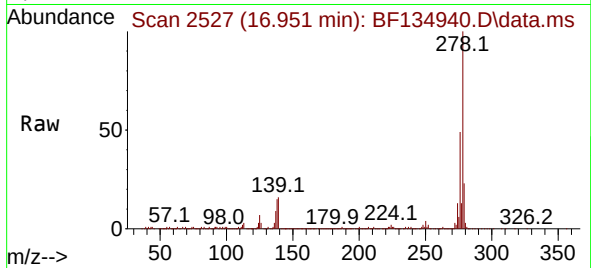
#91
Dibenzo(a,h)anthracene
Concen: 42.404 ng
RT: 16.951 min Scan# 2527
Delta R.T. -0.024 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47

Instrument :

BNA_F

ClientSampleId :

72-12013MSD

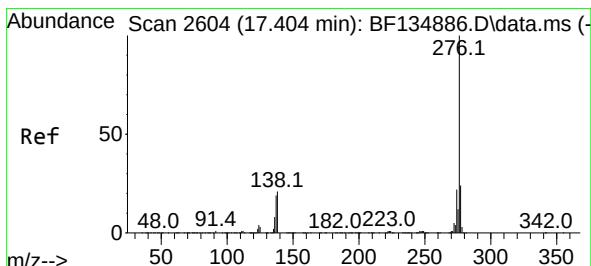
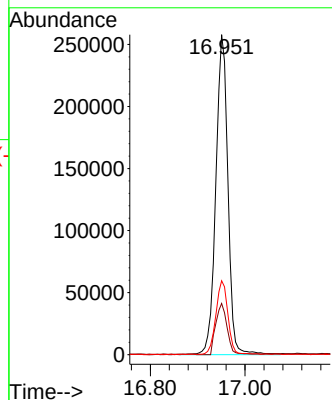
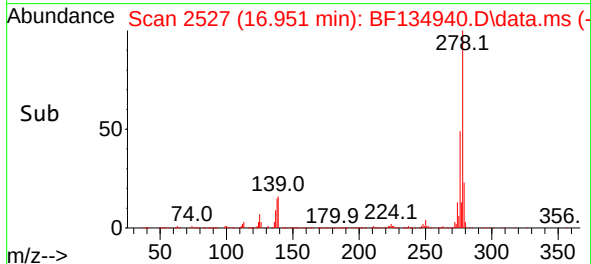


Tgt Ion:278 Resp: 457925
Ion Ratio Lower Upper
278 100
139 16.0 12.2 18.4
279 23.1 19.1 28.7

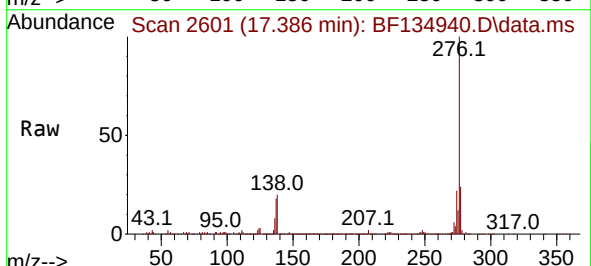
Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 08/26/2023
Supervised By :mohammad ahmed 08/26/2023



#92
Benzo(g,h,i)perylene
Concen: 38.617 ng
RT: 17.386 min Scan# 2601
Delta R.T. -0.018 min
Lab File: BF134940.D
Acq: 25 Aug 2023 14:47



Tgt Ion:276 Resp: 426897
Ion Ratio Lower Upper
276 100
277 24.1 19.2 28.8
138 20.5 17.0 25.6

