

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091522\
 Data File : BF130274.D
 Acq On : 15 Sep 2022 16:42
 Operator : CG\JU
 Sample : N4600-02MS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MS

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 09/16/2022
 Supervised By : Jagrut Upadhyay 09/16/2022

Quant Time: Sep 16 03:29:52 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 14 14:55:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.675	152	103285	20.000	ng	0.00
21) Naphthalene-d8	7.957	136	399739	20.000	ng	0.00
39) Acenaphthene-d10	9.710	164	209023	20.000	ng	0.00
64) Phenanthrene-d10	11.192	188	349547	20.000	ng	0.00
76) Chrysene-d12	13.816	240	181547	20.000	ng	0.00
86) Perylene-d12	15.210	264	166587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.299	112	741556	124.529	ng	0.02
7) Phenol-d6	6.316	99	845339	113.454	ng	0.00
23) Nitrobenzene-d5	7.245	82	653876	83.568	ng	0.00
42) 2,4,6-Tribromophenol	10.498	330	310003	154.782	ng	0.00
45) 2-Fluorobiphenyl	9.039	172	1208740	84.209	ng	0.00
79) Terphenyl-d14	12.775	244	1096910	100.085	ng	0.00
Target Compounds						
2) 1,4-Dioxane	2.516	88	100405	36.713	ng	Qvalue # 84
3) Pyridine	3.175	79	216843	30.395	ng	97
4) n-Nitrosodimethylamine	3.099	42	151399	39.019	ng	100
6) Aniline	6.340	93	142228	15.492	ng	# 85
8) 2-Chlorophenol	6.457	128	298675	44.030	ng	99
9) Benzaldehyde	6.228	77	166659	33.392	ng	96
10) Phenol	6.328	94	308779	35.363	ng	98
11) bis(2-Chloroethyl)ether	6.422	93	278240	44.179	ng	94
12) 1,3-Dichlorobenzene	6.616	146	307942	41.257	ng	99
13) 1,4-Dichlorobenzene	6.693	146	318545	41.851	ng	99
14) 1,2-Dichlorobenzene	6.845	146	305026	42.899	ng	98
15) Benzyl Alcohol	6.828	79	188617	31.928	ng	95
16) 2,2'-oxybis(1-Chloropr...	6.957	45	378112	41.162	ng	91
17) 2-Methylphenol	6.940	107	267429	48.498	ng	98
18) Hexachloroethane	7.187	117	122406	40.798	ng	98
19) n-Nitroso-di-n-propyla...	7.098	70	221232	44.002	ng	94
20) 3+4-Methylphenols	7.093	107	304780	42.547	ng	94
22) Acetophenone	7.093	105	448043	45.845	ng	# 97
24) Nitrobenzene	7.263	77	333513	41.978	ng	96
25) Isophorone	7.504	82	594467	47.138	ng	99
26) 2-Nitrophenol	7.575	139	158500	48.666	ng	98
27) 2,4-Dimethylphenol	7.622	122	265164	52.877	ng	97
28) bis(2-Chloroethoxy)met...	7.716	93	350136	49.307	ng	99
29) 2,4-Dichlorophenol	7.822	162	250896	45.656	ng	95
30) 1,2,4-Trichlorobenzene	7.898	180	253741	42.708	ng	96
31) Naphthalene	7.981	128	885202	42.983	ng	99
32) Benzoic acid	7.740	122	161383m	41.615	ng	
33) 4-Chloroaniline	8.034	127	52441	6.695	ng	96
34) Hexachlorobutadiene	8.098	225	160926	42.382	ng	99
35) Caprolactam	8.404	113	64864m	41.173	ng	
36) 4-Chloro-3-methylphenol	8.522	107	283721	46.579	ng	99
37) 2-Methylnaphthalene	8.675	142	583180	44.414	ng	100
38) 1-Methylnaphthalene	8.769	142	550982	43.681	ng	99
40) 1,2,4,5-Tetrachloroben...	8.839	216	262292	45.981	ng	99
41) Hexachlorocyclopentadiene	8.828	237	334893	109.655	ng	100
43) 2,4,6-Trichlorophenol	8.951	196	178775	44.906	ng	97

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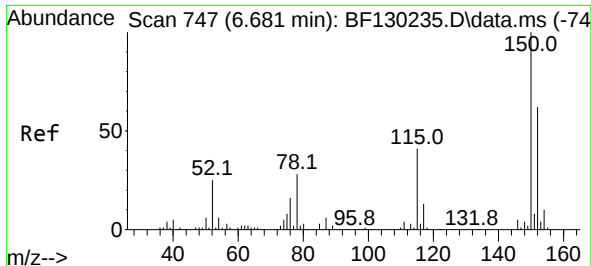
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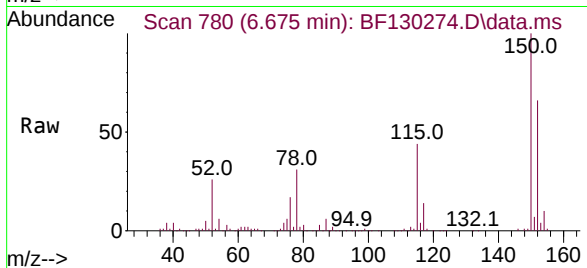
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	8.992	196	193973	45.151	ng	98
46) 1,1'-Biphenyl	9.139	154	712871	45.665	ng	97
47) 2-Chloronaphthalene	9.157	162	554858	43.938	ng	99
48) 2-Nitroaniline	9.263	65	186621	44.308	ng	88
49) Acenaphthylene	9.575	152	840159	44.373	ng	100
50) Dimethylphthalate	9.445	163	652217	45.172	ng	99
51) 2,6-Dinitrotoluene	9.504	165	143907	47.657	ng	89
52) Acenaphthene	9.745	154	607885m	48.865	ng	
53) 3-Nitroaniline	9.669	138	70196	20.862	ng	94
54) 2,4-Dinitrophenol	9.775	184	138472	84.181	ng	97
55) Dibenzofuran	9.916	168	762383	44.060	ng	99
56) 4-Nitrophenol	9.834	139	198338	80.931	ng	95
57) 2,4-Dinitrotoluene	9.904	165	191509	49.625	ng	97
58) Fluorene	10.257	166	625139	44.176	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.034	232	152625	45.389	ng	96
60) Diethylphthalate	10.145	149	646626	44.660	ng	99
61) 4-Chlorophenyl-phenyle...	10.251	204	285350	45.966	ng	94
62) 4-Nitroaniline	10.286	138	138788	41.060	ng	96
63) Azobenzene	10.416	77	621975	41.718	ng	95
65) 4,6-Dinitro-2-methylph...	10.310	198	87122	44.774	ng	87
66) n-Nitrosodiphenylamine	10.375	169	523269	44.797	ng	100
67) 4-Bromophenyl-phenylether	10.739	248	179294	46.497	ng	94
68) Hexachlorobenzene	10.798	284	203119	46.468	ng	92
69) Atrazine	10.904	200	173767	50.905	ng	98
70) Pentachlorophenol	10.992	266	216289	92.198	ng	99
71) Phenanthrene	11.216	178	865460	44.100	ng	99
72) Anthracene	11.269	178	859591	45.388	ng	99
73) Carbazole	11.428	167	762956	44.639	ng	99
74) Di-n-butylphthalate	11.763	149	940527	45.633	ng	99
75) Fluoranthene	12.398	202	807732	42.594	ng	97
77) Benzidine	12.522	184	104157	19.764	ng	99
78) Pyrene	12.627	202	792917	49.926	ng	99
80) Butylbenzylphthalate	13.251	149	306860	52.155	ng	100
81) Benzo(a)anthracene	13.810	228	540751	44.774	ng	99
82) 3,3'-Dichlorobenzidine	13.774	252	106304	32.335	ng	98
83) Chrysene	13.845	228	504825	44.022	ng	99
84) Bis(2-ethylhexyl)phtha...	13.810	149	355972	52.821	ng	100
85) Di-n-octyl phthalate	14.421	149	473410	45.928	ng	97
87) Indeno(1,2,3-cd)pyrene	16.539	276	577157	48.856	ng	99
88) Benzo(b)fluoranthene	14.816	252	501580	46.131	ng	100
89) Benzo(k)fluoranthene	14.845	252	446660	41.760	ng	99
90) Benzo(a)pyrene	15.151	252	422221	49.015	ng	99
91) Dibenzo(a,h)anthracene	16.562	278	498693	51.459	ng	99
92) Benzo(g,h,i)perylene	16.945	276	498788	51.093	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.675 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

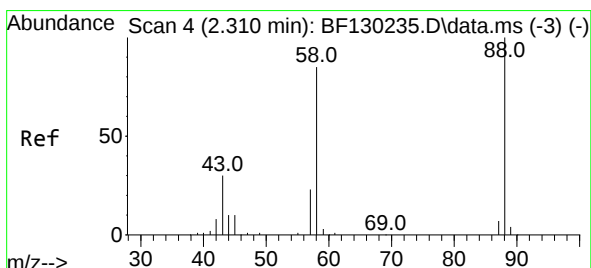
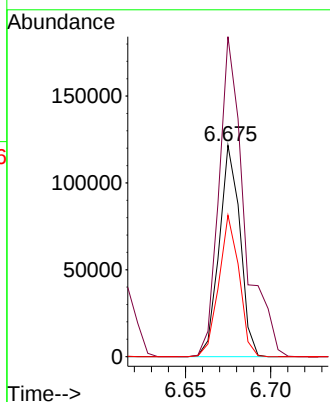
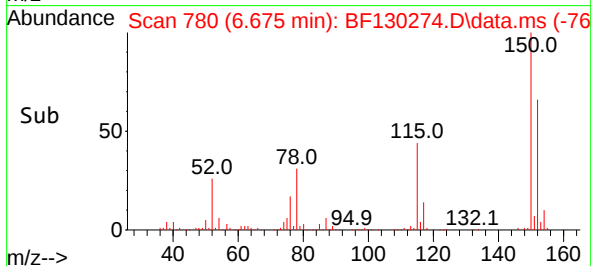
Instrument :
BNA_F
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OH-SOIL-0913MS



Tgt Ion:152 Resp: 103285
Ion Ratio Lower Upper
152 100
150 151.4 122.8 184.2
115 66.9 53.8 80.8

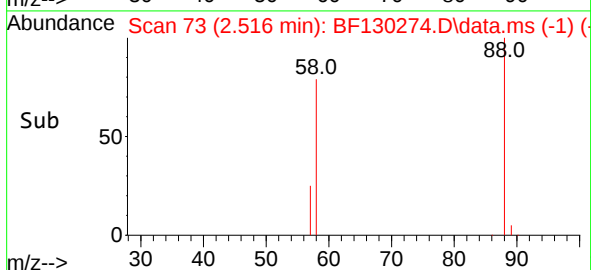
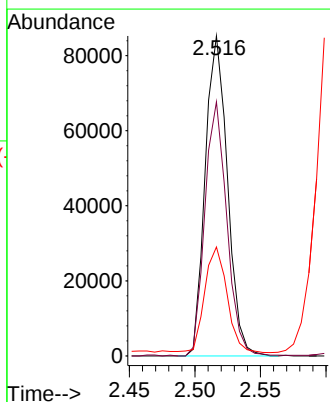
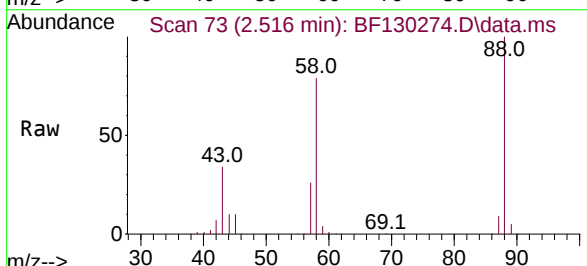
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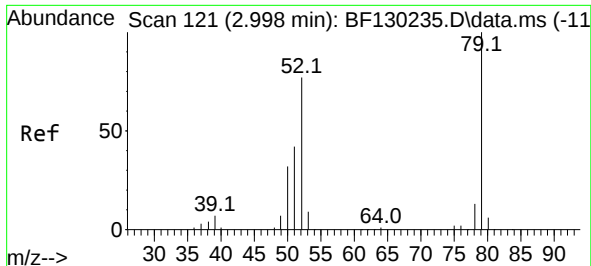
Reviewed By :Christian Giraldo 09/16/2022
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#2
1,4-Dioxane
Concen: 36.713 ng
RT: 2.516 min Scan# 73
Delta R.T. 0.206 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

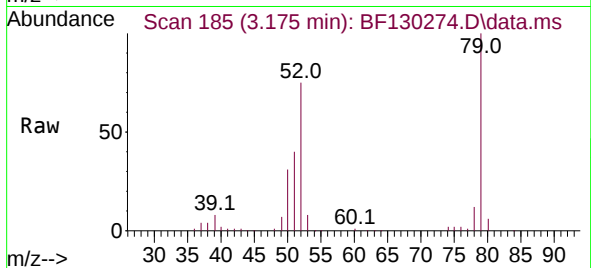
Tgt Ion: 88 Resp: 100405
Ion Ratio Lower Upper
88 100
58 78.4 61.3 91.9
43 0.0 23.0 34.6





#3
Pyridine
Concen: 30.395 ng
RT: 3.175 min Scan# 185
Delta R.T. 0.177 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

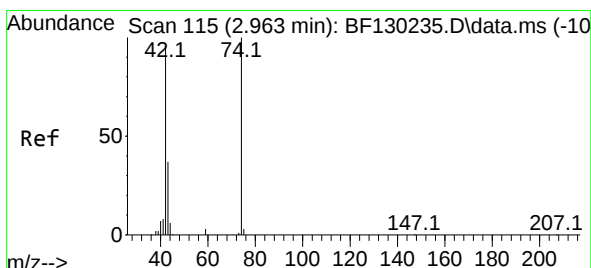
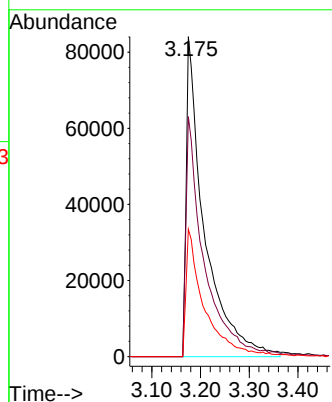
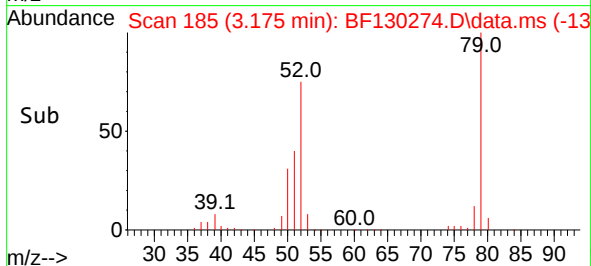
Instrument :
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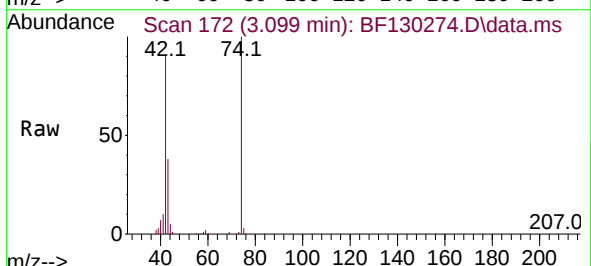
Tgt Ion: 79 Resp: 21684
Ion Ratio Lower Upper
79 100
52 75.0 62.4 93.6
51 39.8 32.2 48.4

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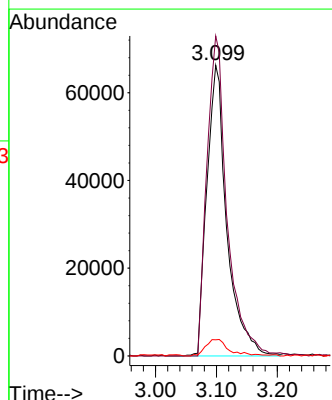
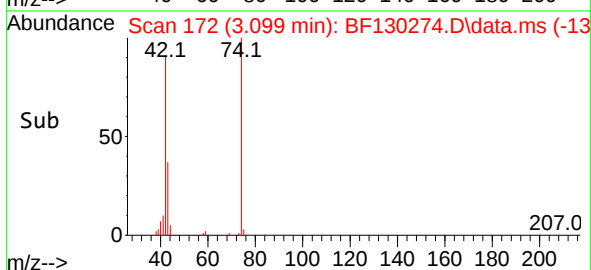
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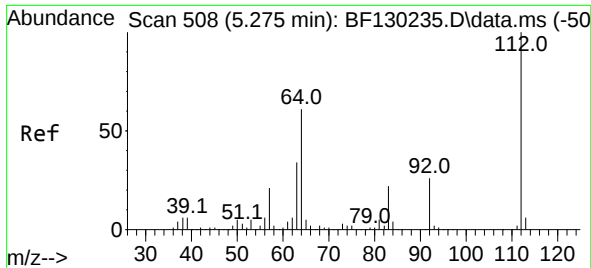


#4
n-Nitrosodimethylamine
Concen: 39.019 ng
RT: 3.099 min Scan# 172
Delta R.T. 0.135 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



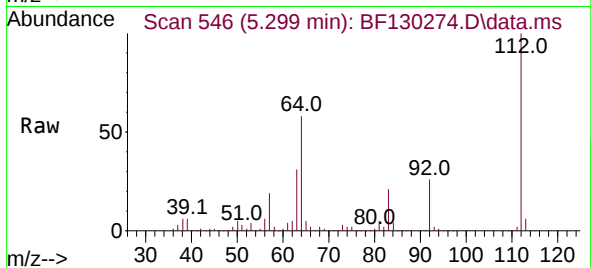
Tgt Ion: 42 Resp: 151399
Ion Ratio Lower Upper
42 100
74 110.1 88.4 132.6
44 5.5 5.0 7.4





#5
2-Fluorophenol
Concen: 124.529 ng
RT: 5.299 min Scan# 54
Delta R.T. 0.024 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

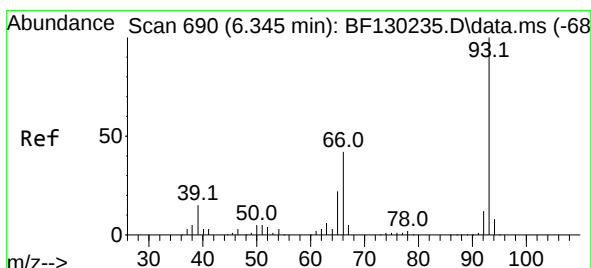
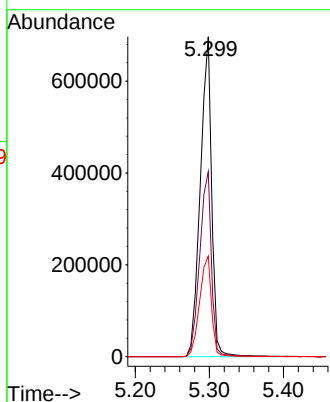
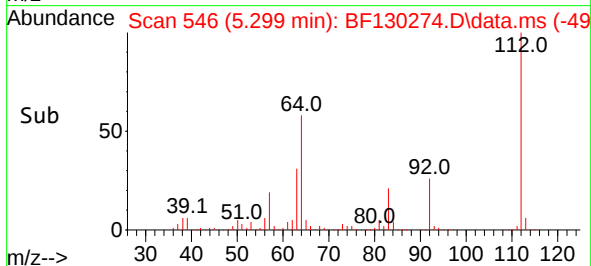
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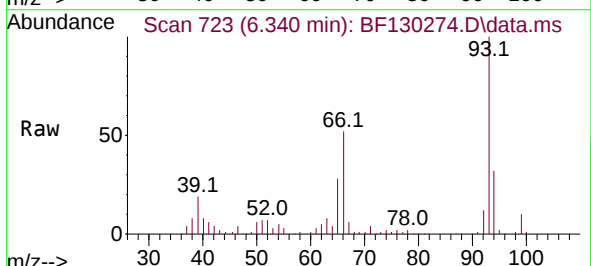
Tgt Ion:112 Resp: 741556
Ion Ratio Lower Upper
112 100
64 57.8 51.4 77.0
63 31.4 28.8 43.2

Manual Integrations
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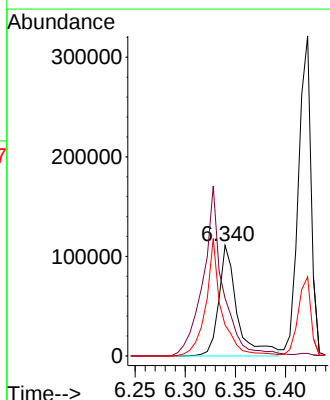
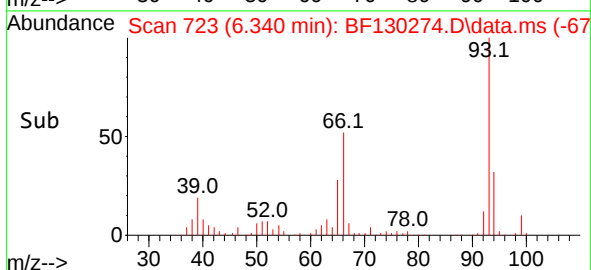
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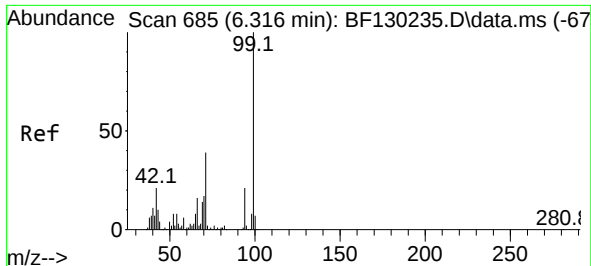


#6
Aniline
Concen: 15.492 ng
RT: 6.340 min Scan# 723
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



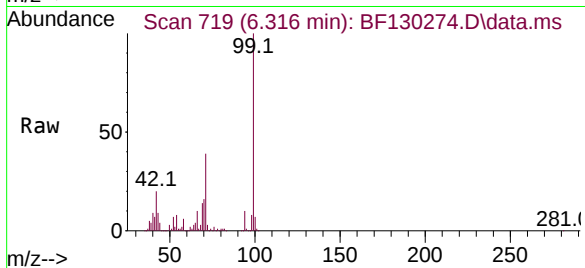
Tgt Ion: 93 Resp: 142228
Ion Ratio Lower Upper
93 100
66 52.1 34.2 51.4#
65 27.9 16.6 24.8#





#7
Phenol-d6
Concen: 113.454 ng
RT: 6.316 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

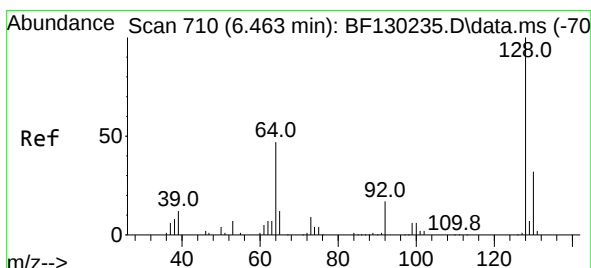
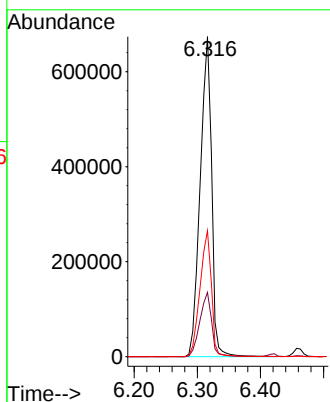
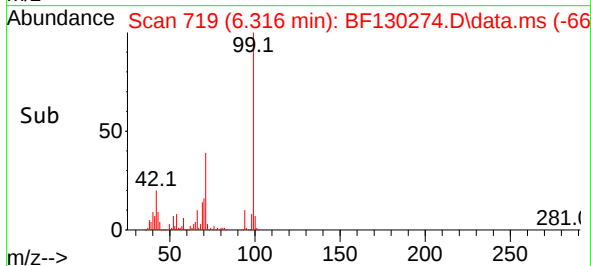
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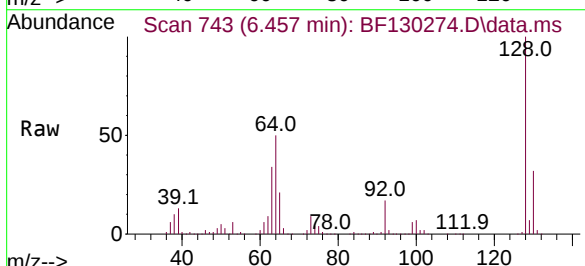
Tgt Ion: 99 Resp: 845339
Ion Ratio Lower Upper
99 100
42 20.1 17.0 25.6
71 39.3 32.3 48.5

Manual Integrations
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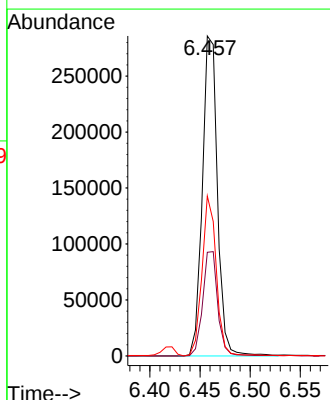
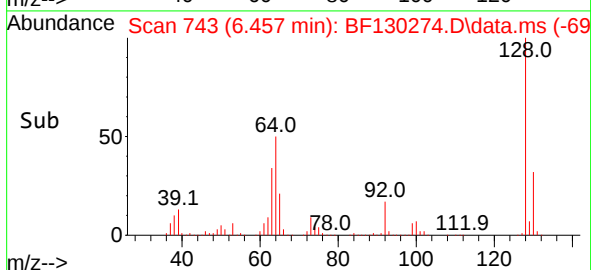
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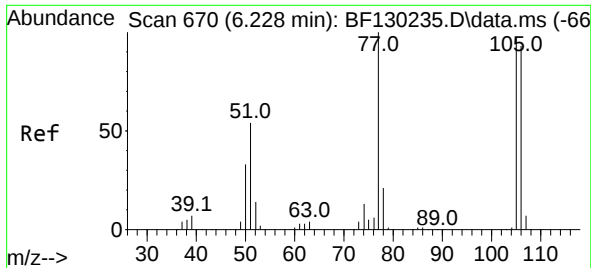


#8
2-Chlorophenol
Concen: 44.030 ng
RT: 6.457 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



Tgt Ion:128 Resp: 298675
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 50.0 31.6 71.6





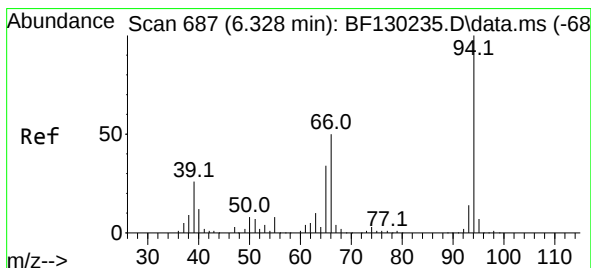
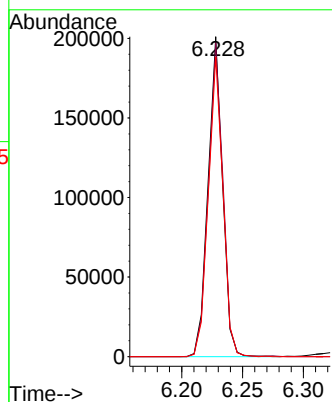
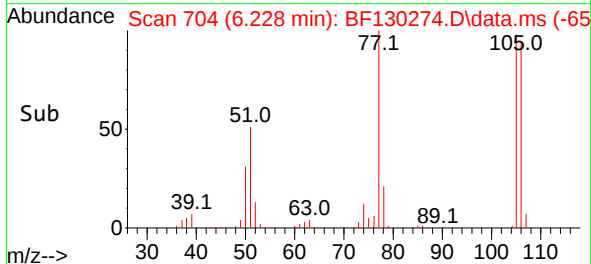
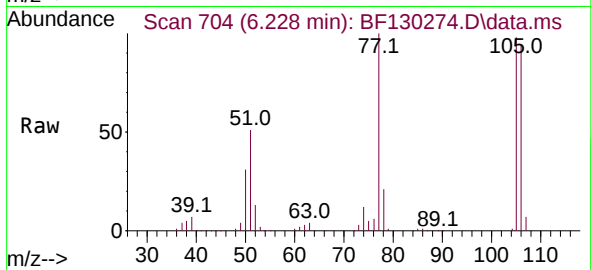
#9
Benzaldehyde
Concen: 33.392 ng
RT: 6.228 min Scan# 704
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Instrument :
BNA_F
Client Sample Id :
OH-SOIL-0913MS

Tgt Ion: 77 Resp: 166659
Ion Ratio Lower Upper
77 100
105 98.1 75.1 115.1
106 93.7 69.7 109.7

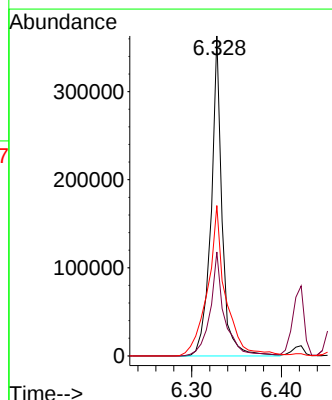
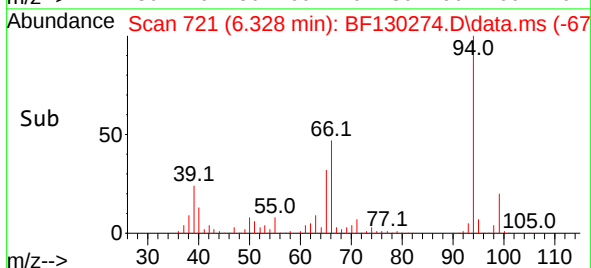
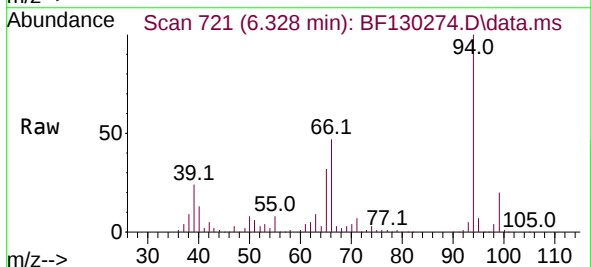
Manual Integrations
APPROVED

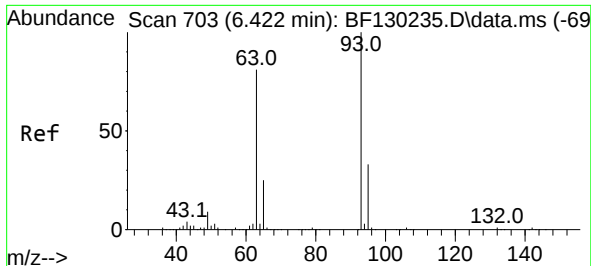
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#10
Phenol
Concen: 35.363 ng
RT: 6.328 min Scan# 721
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion: 94 Resp: 308779
Ion Ratio Lower Upper
94 100
65 32.5 14.1 54.1
66 47.0 28.1 68.1





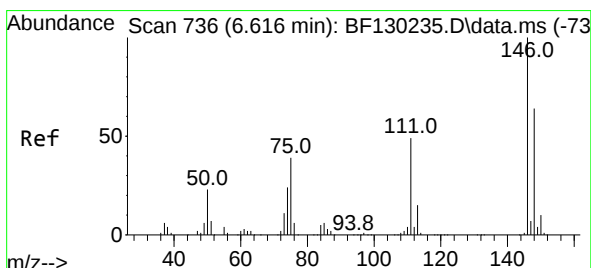
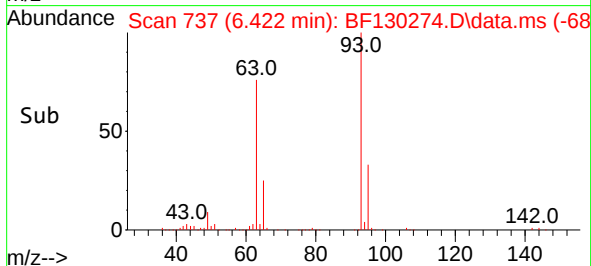
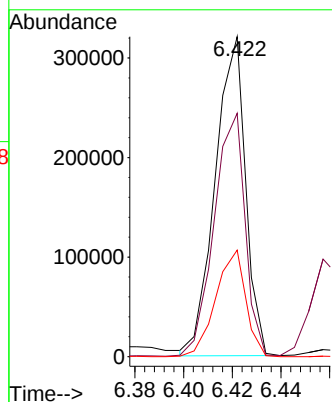
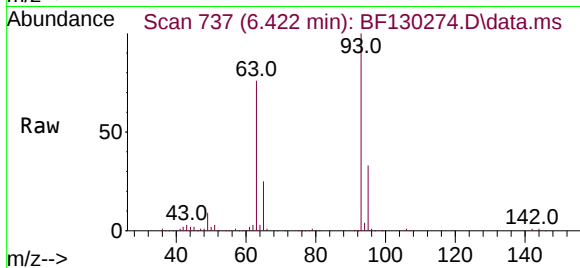
#11
bis(2-Chloroethyl)ether
Concen: 44.179 ng
RT: 6.422 min Scan# 703
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

Tgt Ion: 93 Resp: 278240
Ion Ratio Lower Upper
93 100
63 76.0 62.5 102.5
95 33.3 12.5 52.5

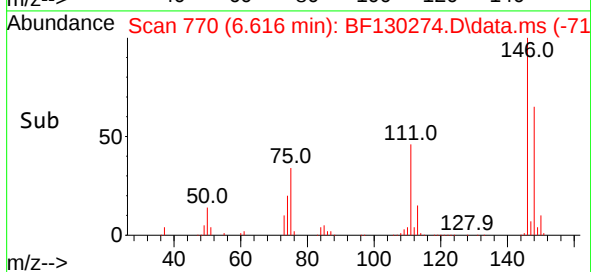
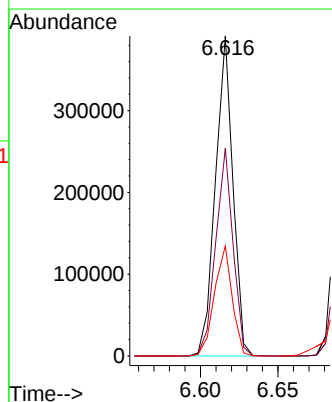
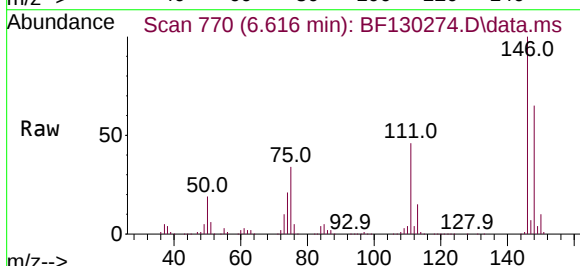
Manual Integrations
APPROVED

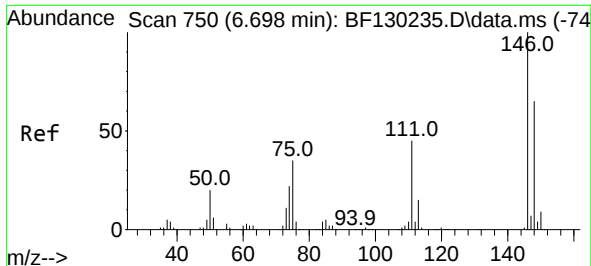
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#12
1,3-Dichlorobenzene
Concen: 41.257 ng
RT: 6.616 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:146 Resp: 307942
Ion Ratio Lower Upper
146 100
148 64.9 51.4 77.2
75 34.4 28.8 43.2





#13

1,4-Dichlorobenzene

Concen: 41.851 ng

RT: 6.693 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

Tgt Ion:146 Resp: 31854

Ion Ratio Lower Upper

146 100

148 62.4 50.3 75.5

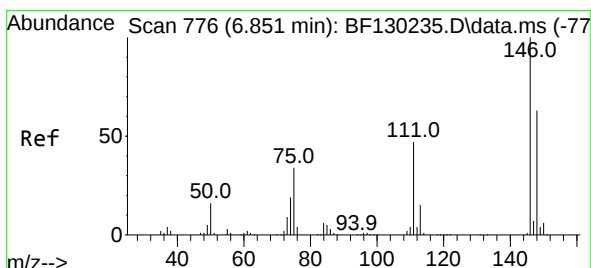
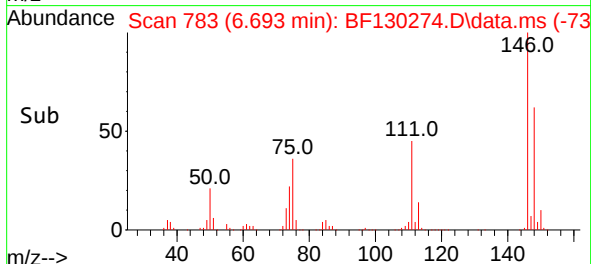
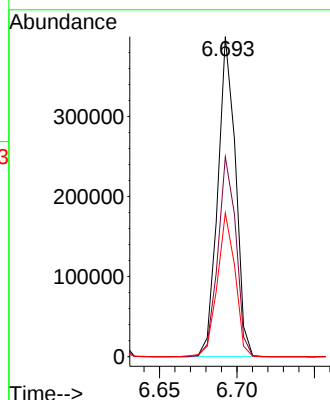
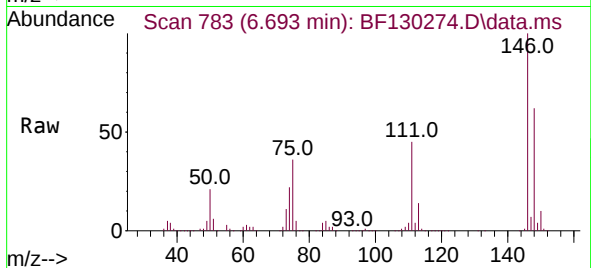
111 44.9 36.3 54.5

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#14

1,2-Dichlorobenzene

Concen: 42.899 ng

RT: 6.845 min Scan# 809

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

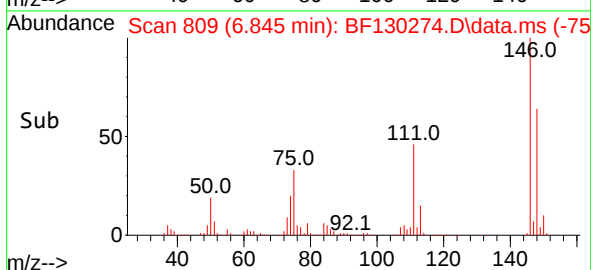
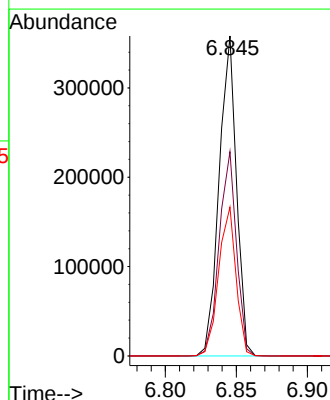
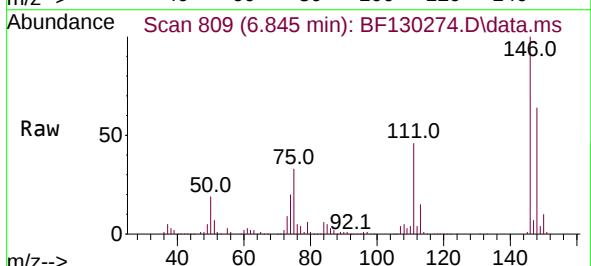
Tgt Ion:146 Resp: 305026

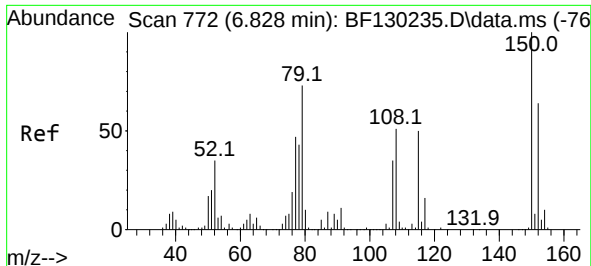
Ion Ratio Lower Upper

146 100

148 63.8 51.6 77.4

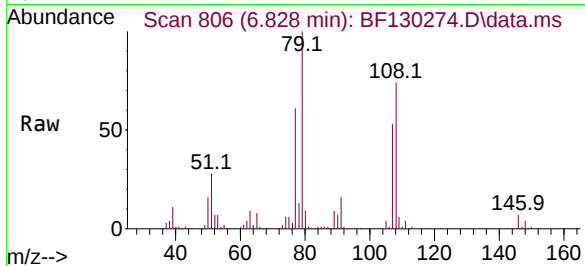
111 46.5 39.2 58.8





#15
Benzyl Alcohol
Concen: 31.928 ng
RT: 6.828 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

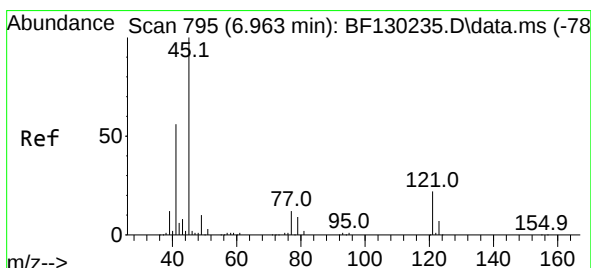
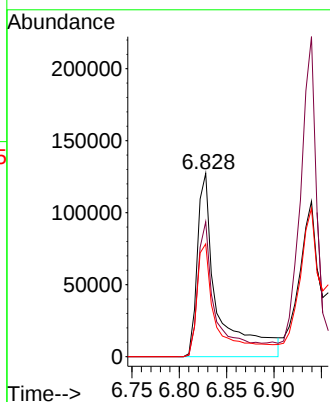
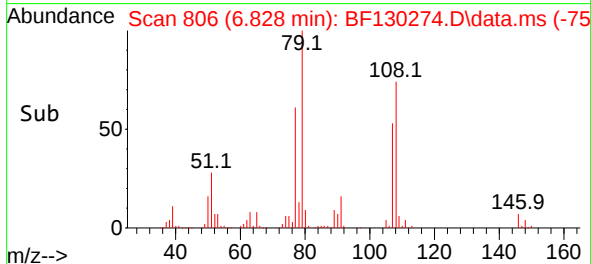
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



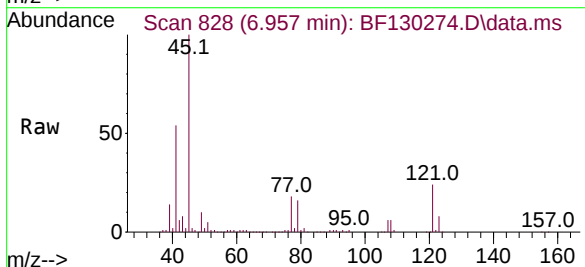
Tgt Ion: 79 Resp: 188617
Ion Ratio Lower Upper
79 100
108 73.5 54.0 81.0
77 61.5 51.3 76.9

Manual Integrations
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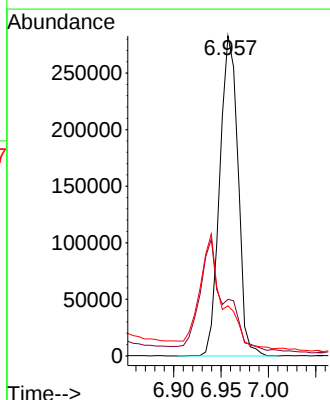
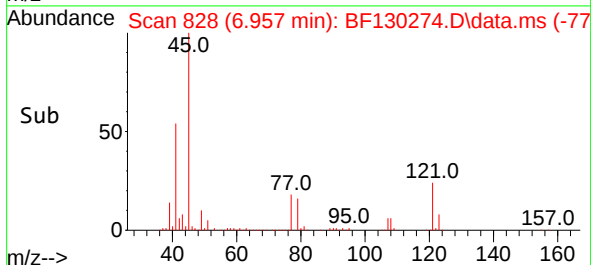
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

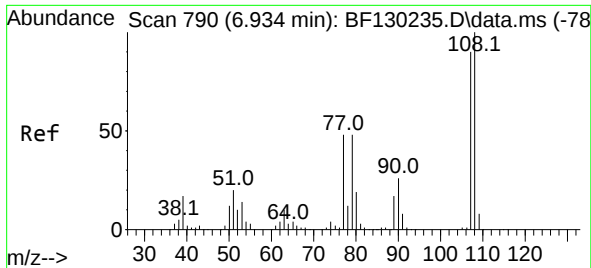


#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.162 ng
RT: 6.957 min Scan# 828
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



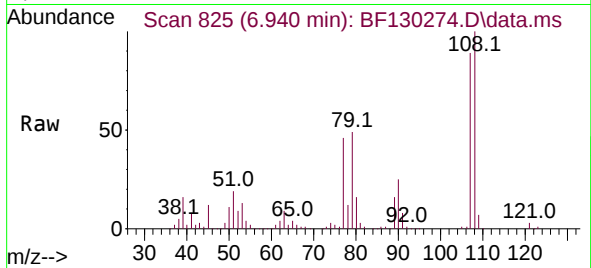
Tgt Ion: 45 Resp: 378112
Ion Ratio Lower Upper
45 100
77 17.7 0.0 34.9
79 15.7 0.0 31.0





#17
2-Methylphenol
Concen: 48.498 ng
RT: 6.940 min Scan# 811
Delta R.T. 0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

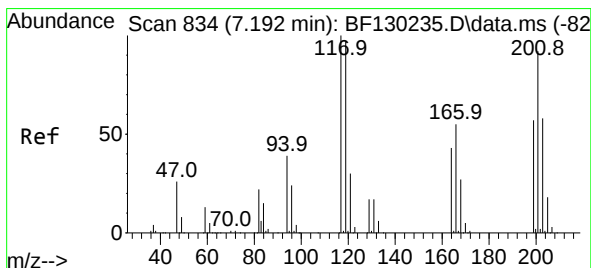
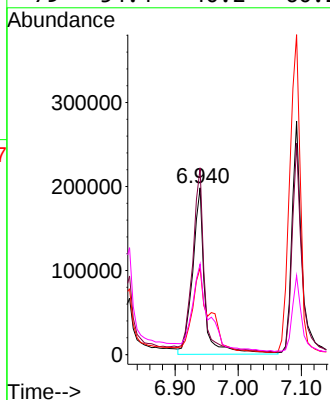
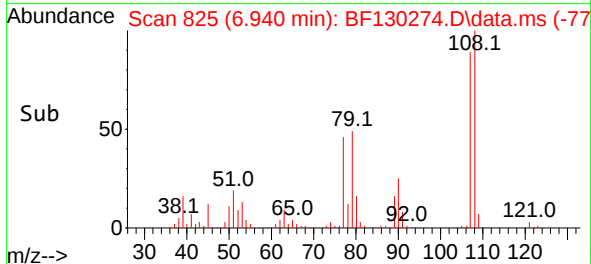
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



Tgt Ion	Ratio	Lower	Upper
107	100		
108	112.0	89.4	134.0
77	52.0	40.6	60.8
79	54.4	40.2	60.2

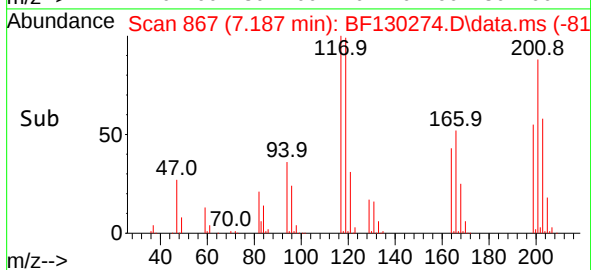
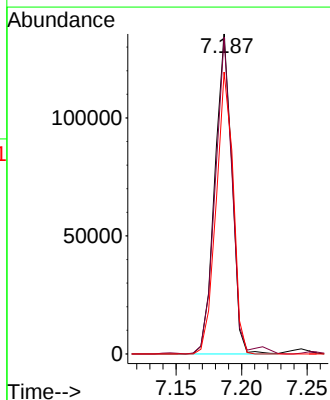
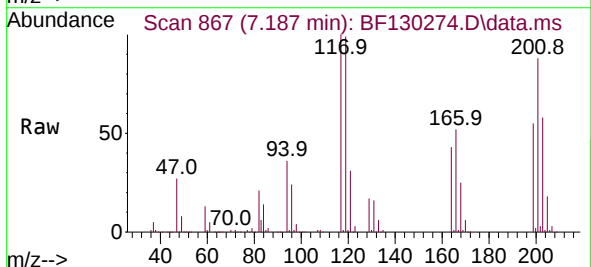
Manual Integrations
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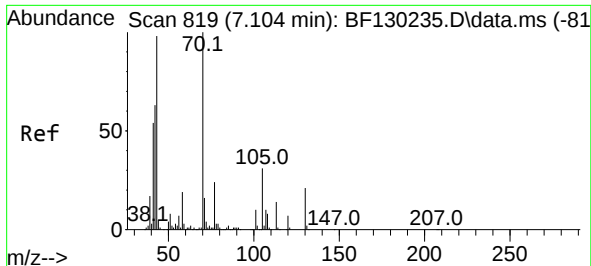
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#18
Hexachloroethane
Concen: 40.798 ng
RT: 7.187 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

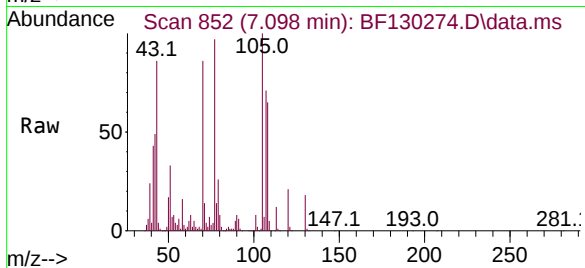
Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.9	77.8	116.6
201	88.1	68.7	103.1





#19
n-Nitroso-di-n-propylamine
Concen: 44.002 ng
RT: 7.098 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

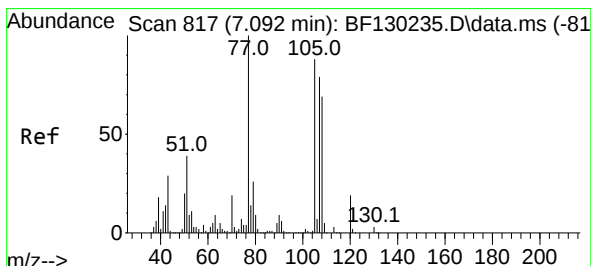
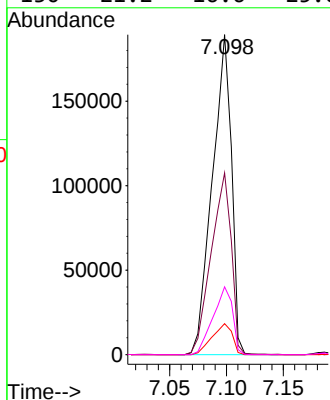
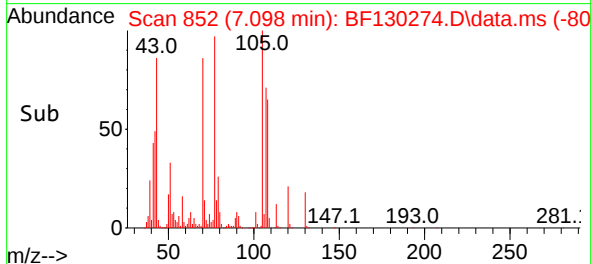
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



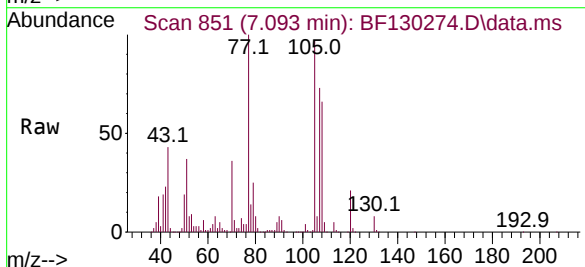
Tgt Ion: 70 Resp: 221232
Ion Ratio Lower Upper
70 100
42 56.8 50.8 76.2
101 9.7 8.2 12.4
130 21.2 16.6 25.0

Manual Integrations
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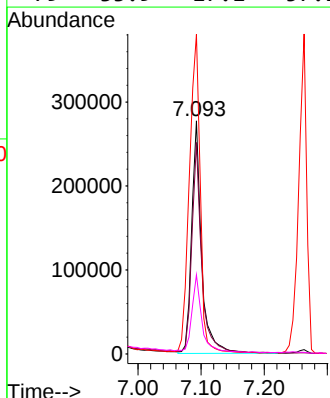
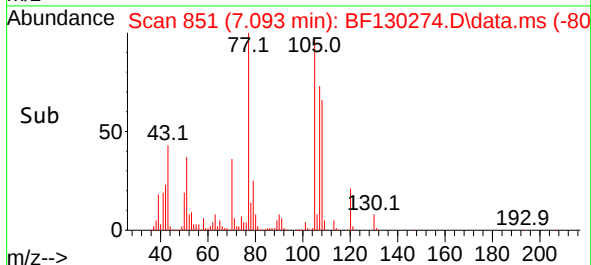
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

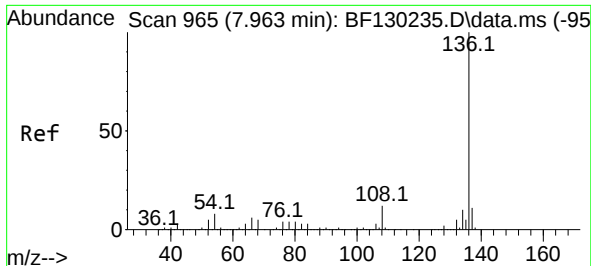


#20
3+4-Methylphenols
Concen: 42.547 ng
RT: 7.093 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



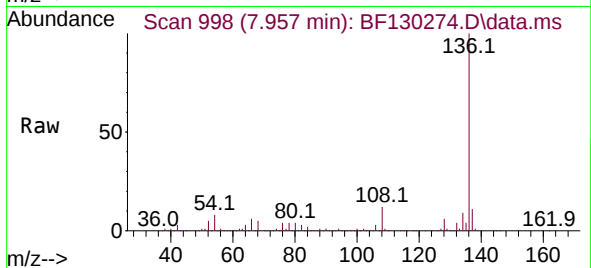
Tgt Ion:107 Resp: 304780
Ion Ratio Lower Upper
107 100
108 90.7 74.8 114.8
77 137.2 125.8 165.8
79 33.9 17.1 57.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.957 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

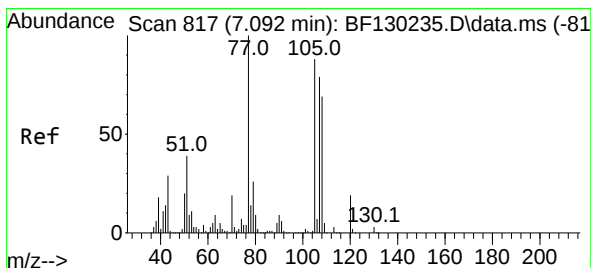
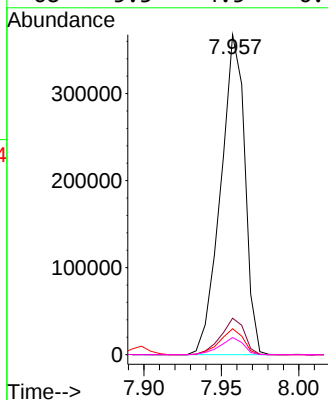
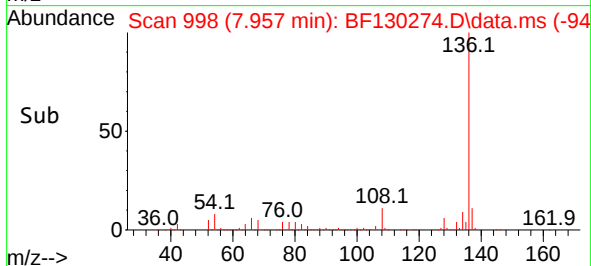
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



Tgt Ion:136 Resp: 399739
Ion Ratio Lower Upper
136 100
137 11.4 9.1 13.7
54 8.1 7.1 10.7
68 5.3 4.5 6.7

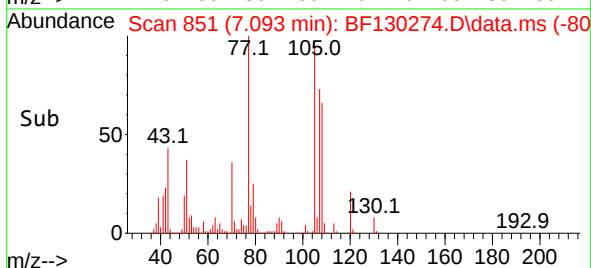
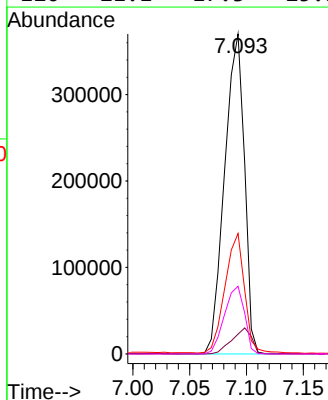
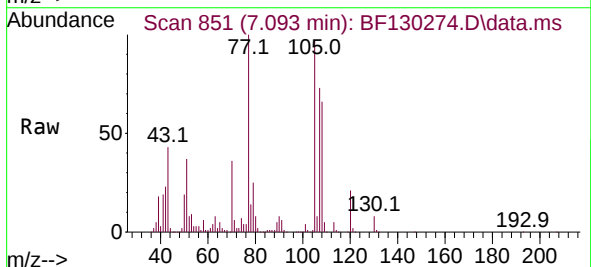
Manual Integrations
APPROVED

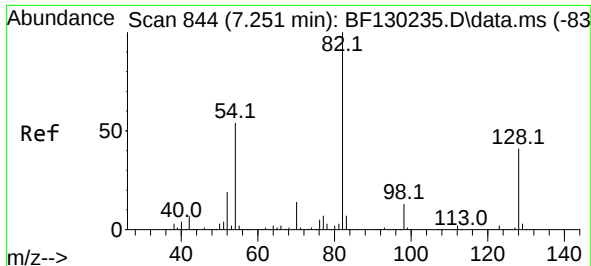
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#22
Acetophenone
Concen: 45.845 ng
RT: 7.093 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:105 Resp: 448043
Ion Ratio Lower Upper
105 100
71 6.2 3.9 5.9#
51 37.6 32.2 48.2
120 21.1 17.3 25.9





#23

Nitrobenzene-d5

Concen: 83.568 ng

RT: 7.245 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

Tgt Ion: 82 Resp: 653876

Ion Ratio Lower Upper

82 100

128 41.7 32.6 49.0

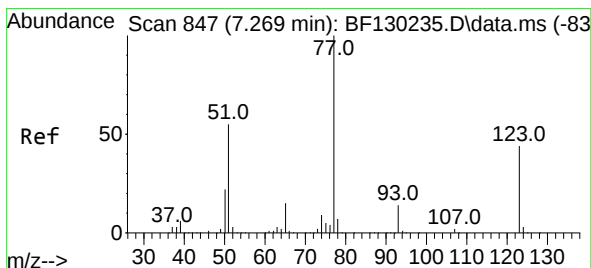
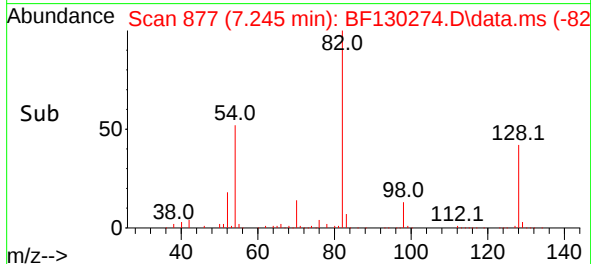
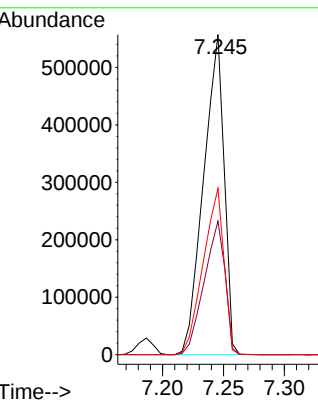
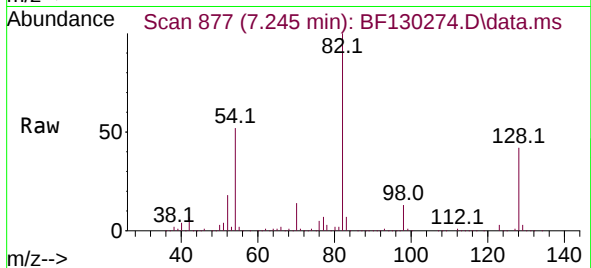
54 51.9 43.8 65.6

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#24

Nitrobenzene

Concen: 41.978 ng

RT: 7.263 min Scan# 880

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

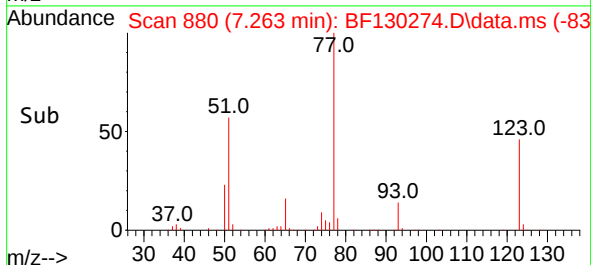
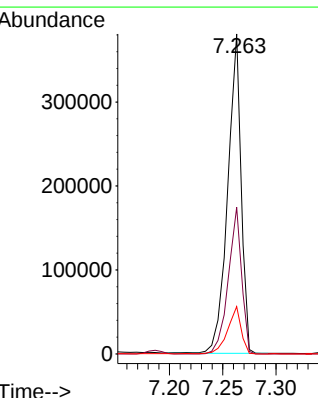
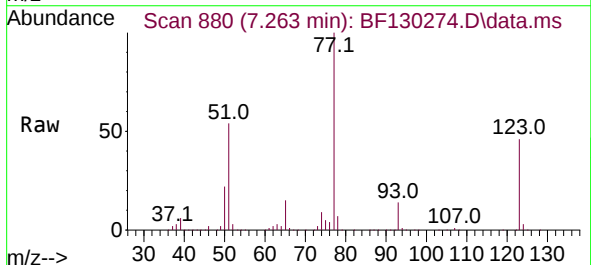
Tgt Ion: 77 Resp: 333513

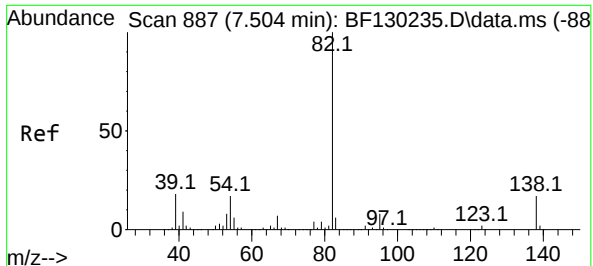
Ion Ratio Lower Upper

77 100

123 45.8 34.3 51.5

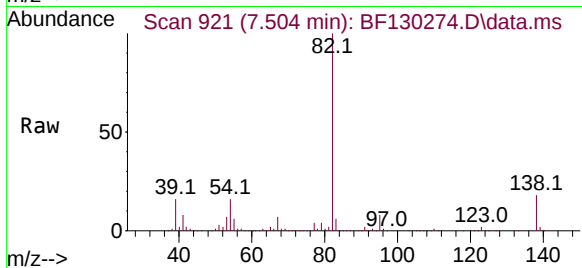
65 14.8 12.0 18.0





#25
Isophorone
Concen: 47.138 ng
RT: 7.504 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

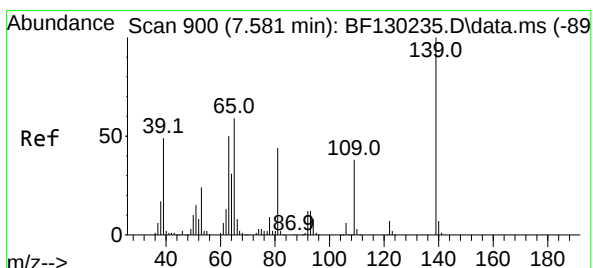
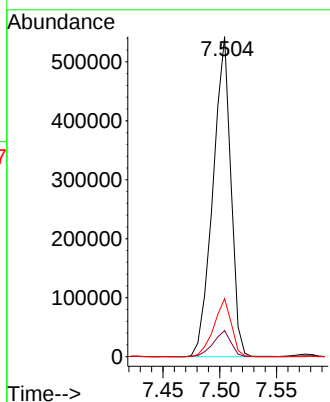
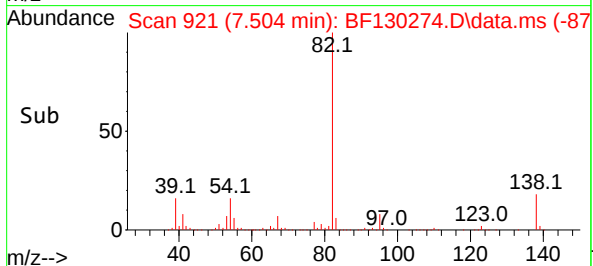
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



Tgt Ion: 82 Resp: 594462
Ion Ratio Lower Upper
82 100
95 8.1 6.4 9.6
138 18.1 13.8 20.6

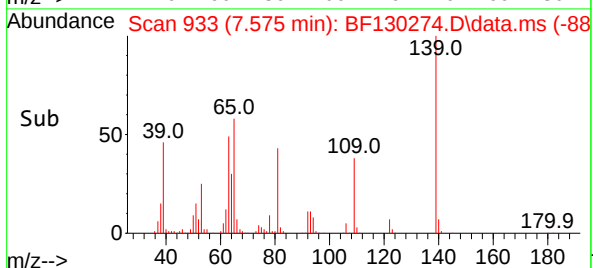
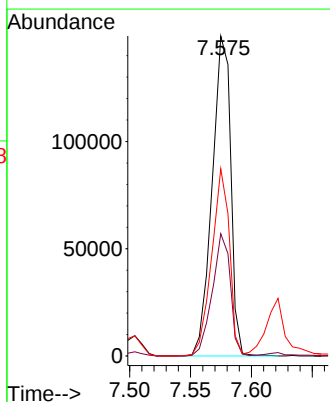
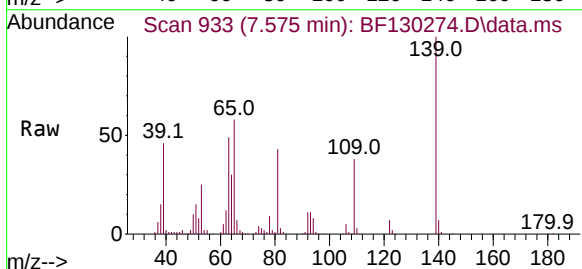
Manual Integrations
APPROVED

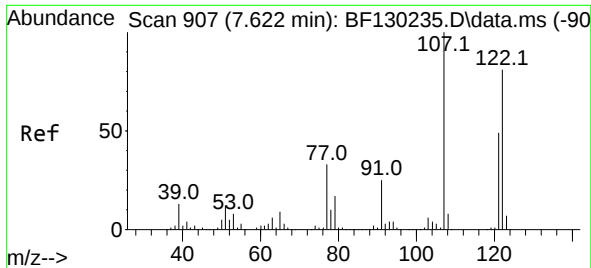
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#26
2-Nitrophenol
Concen: 48.666 ng
RT: 7.575 min Scan# 933
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:139 Resp: 158500
Ion Ratio Lower Upper
139 100
109 38.2 30.2 45.4
65 58.5 48.9 73.3





#27

2,4-Dimethylphenol

Concen: 52.877 ng

RT: 7.622 min Scan# 94

Delta R.T. 0.000 min

Lab File: BF130274.D

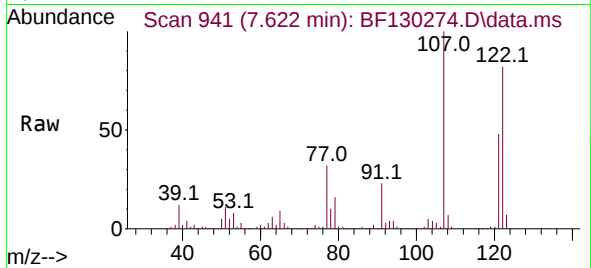
Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS



Tgt Ion:122 Resp: 265164

Ion Ratio Lower Upper

122 100

107 121.8 100.2 150.2

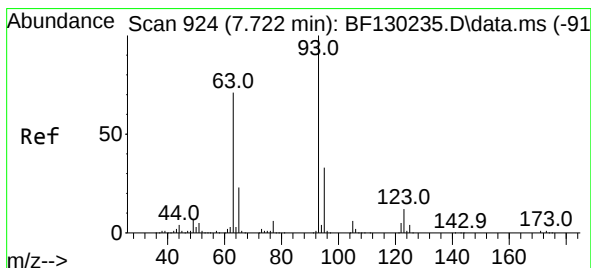
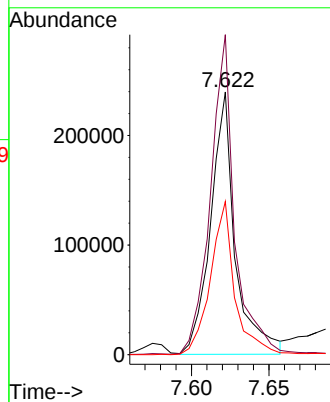
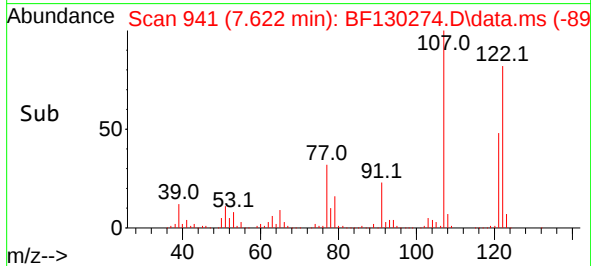
121 58.3 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#28

bis(2-Chloroethoxy)methane

Concen: 49.307 ng

RT: 7.716 min Scan# 957

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

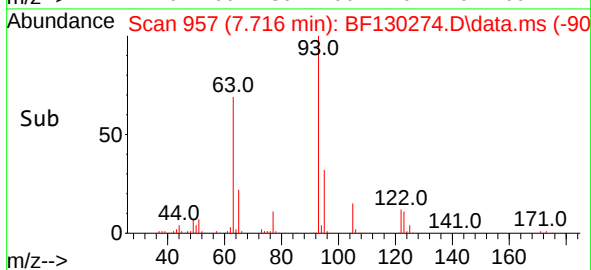
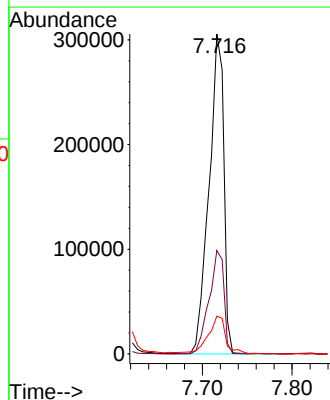
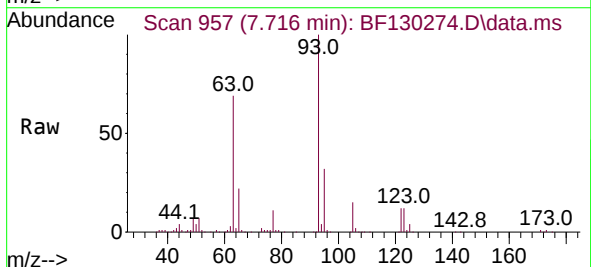
Tgt Ion: 93 Resp: 350136

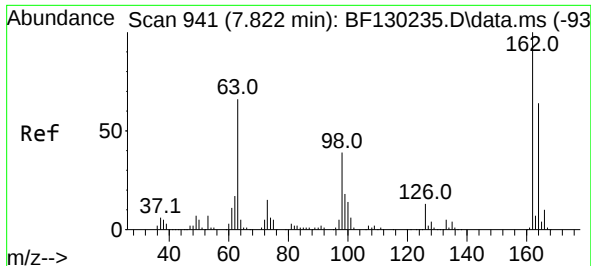
Ion Ratio Lower Upper

93 100

95 32.4 26.3 39.5

123 11.8 9.4 14.2





#29

2,4-Dichlorophenol

Concen: 45.656 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

Tgt Ion:162 Resp: 250896

Ion Ratio Lower Upper

162 100

164 64.8 42.2 82.2

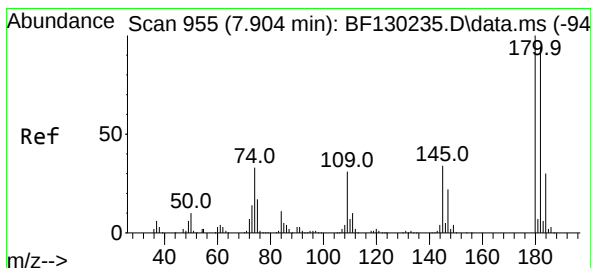
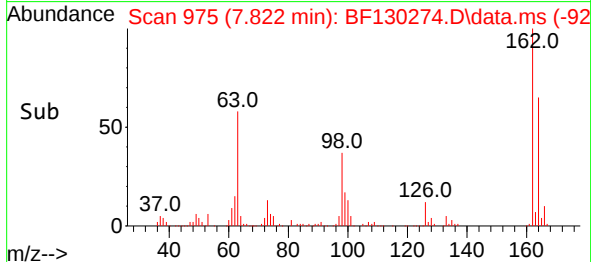
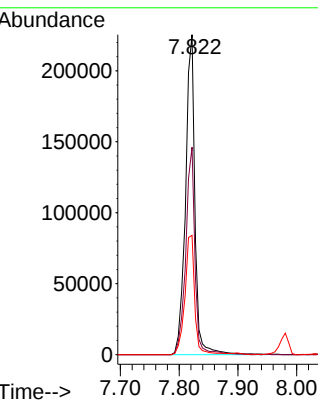
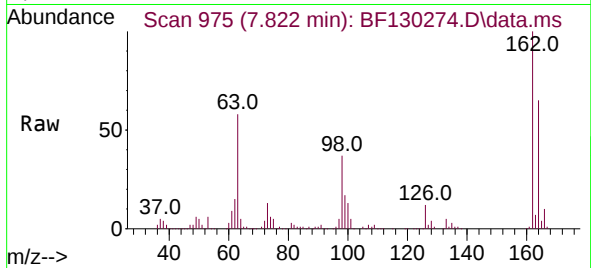
98 37.3 21.7 61.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#30

1,2,4-Trichlorobenzene

Concen: 42.708 ng

RT: 7.898 min Scan# 988

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

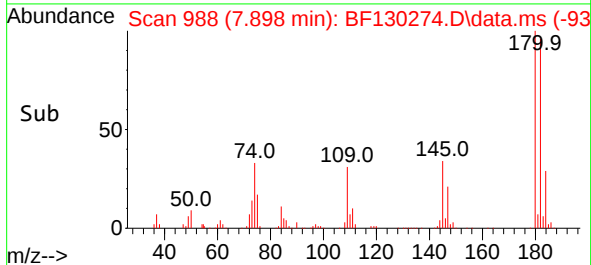
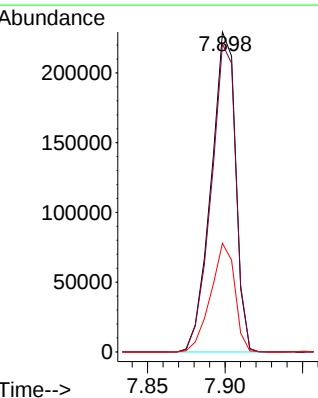
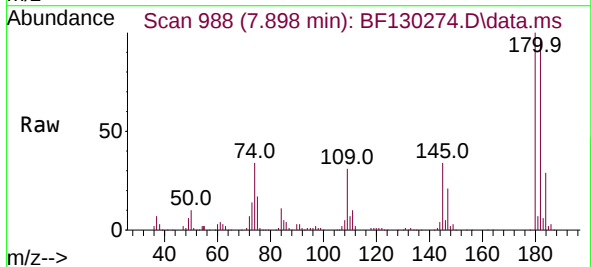
Tgt Ion:180 Resp: 253741

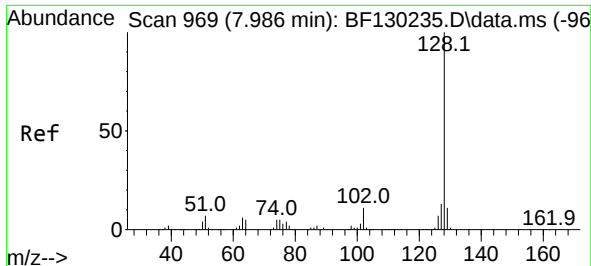
Ion Ratio Lower Upper

180 100

182 96.2 73.3 109.9

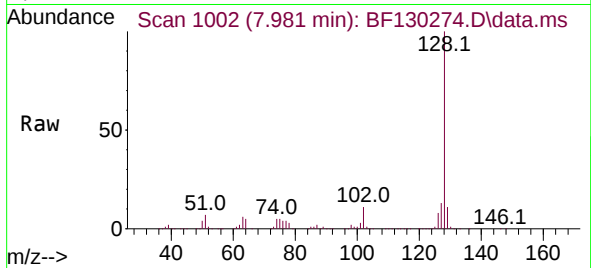
145 33.9 28.3 42.5





#31
Naphthalene
Concen: 42.983 ng
RT: 7.981 min Scan# 1002
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

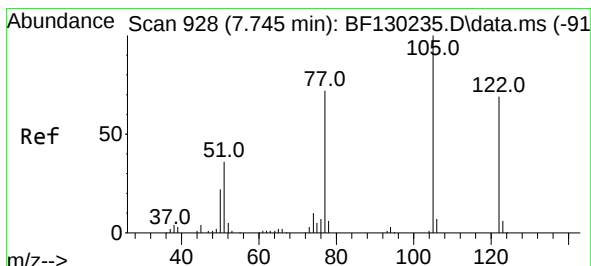
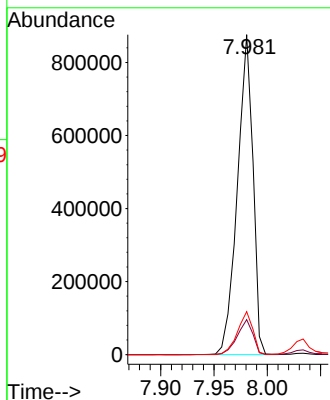
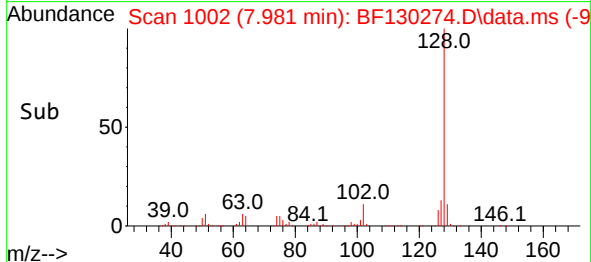
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



Tgt Ion:128 Resp: 885202
Ion Ratio Lower Upper
128 100
129 10.9 9.1 13.7
127 13.4 10.6 16.0

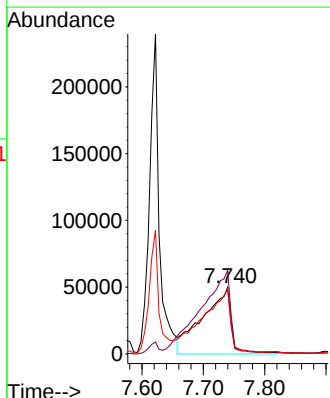
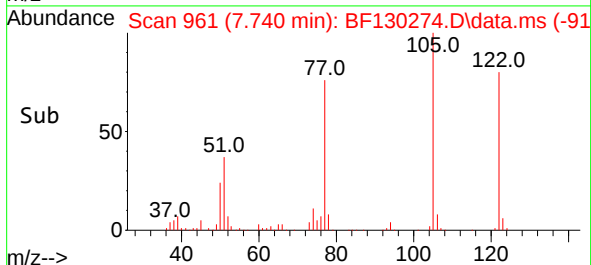
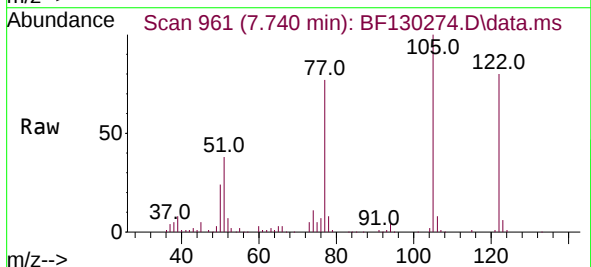
Manual Integrations
APPROVED

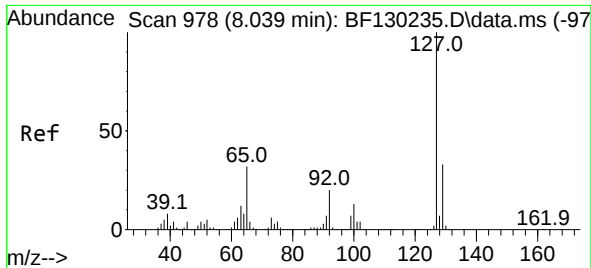
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#32
Benzoic acid
Concen: 41.615 ng m
RT: 7.740 min Scan# 961
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:122 Resp: 161383
Ion Ratio Lower Upper
122 100
105 125.6 112.9 152.9
77 97.1 82.8 122.8





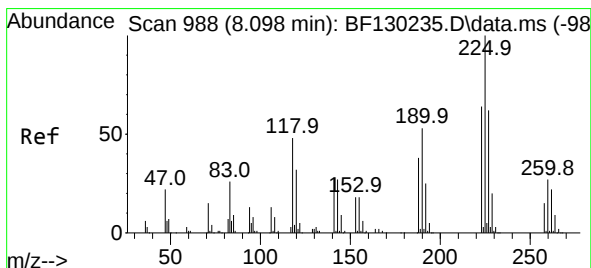
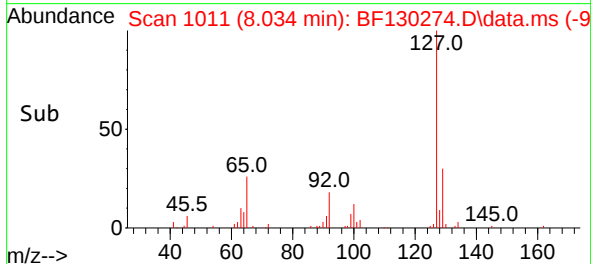
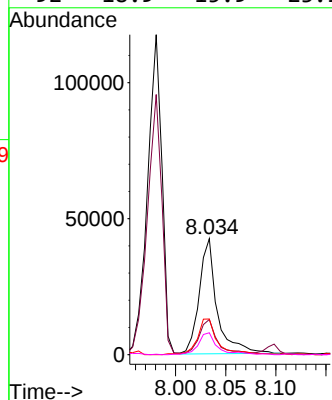
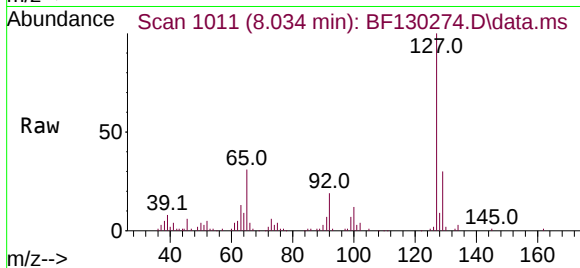
#33
4-Chloroaniline
Concen: 6.695 ng
RT: 8.034 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS

Tgt Ion	Ratio	Lower	Upper
127	100		
129	30.4	25.6	38.4
65	30.7	27.0	40.6
92	18.9	15.9	23.9

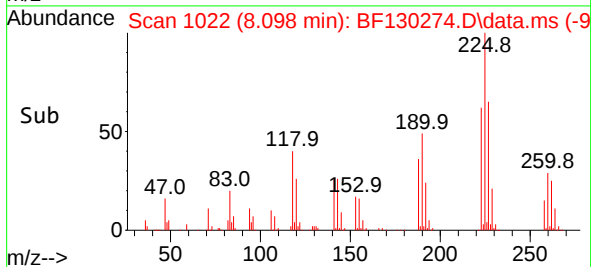
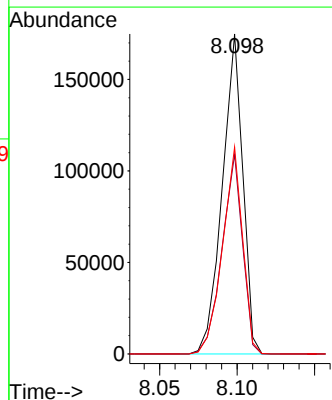
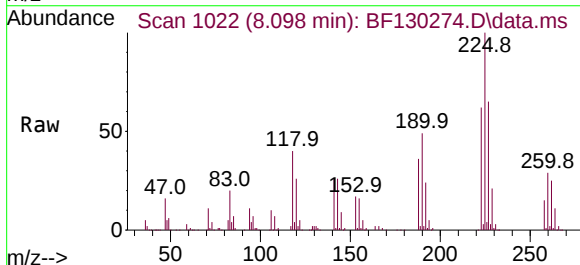
Manual Integrations
APPROVED

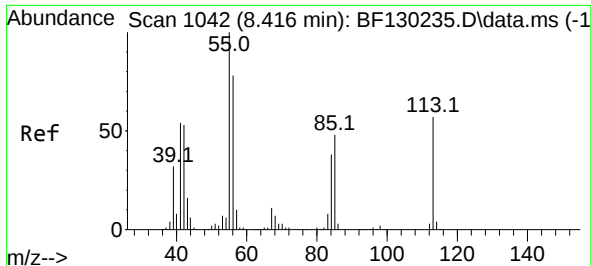
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#34
Hexachlorobutadiene
Concen: 42.382 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

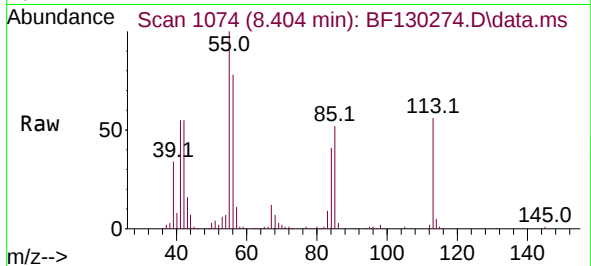
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.3	75.5
227	64.7	51.1	76.7





#35
Caprolactam
Concen: 41.173 ng m
RT: 8.404 min Scan# 1094
Delta R.T. -0.012 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

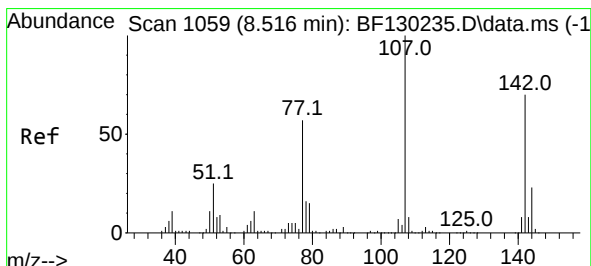
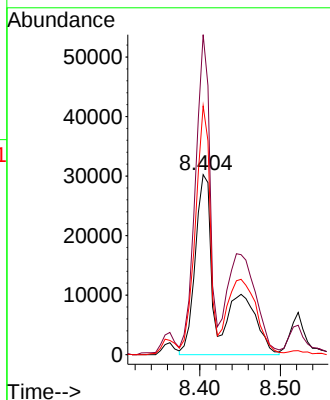
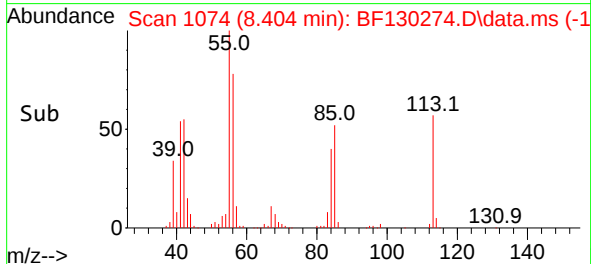
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



Tgt Ion:113 Resp: 64864
Ion Ratio Lower Upper
113 100
55 177.9 155.4 195.4
56 138.3 120.4 160.4

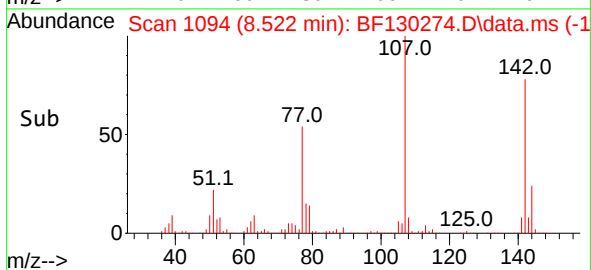
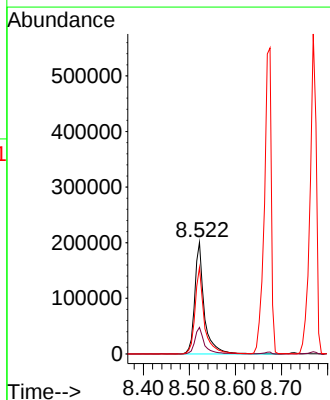
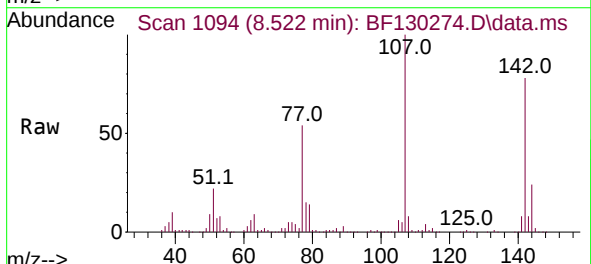
Manual Integrations
APPROVED

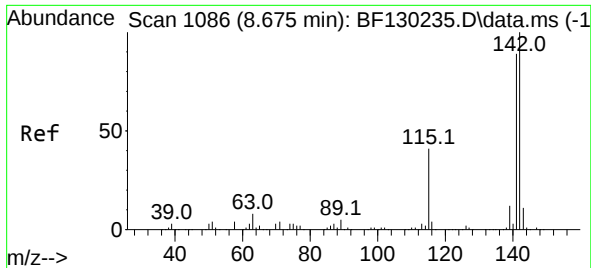
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#36
4-Chloro-3-methylphenol
Concen: 46.579 ng
RT: 8.522 min Scan# 1094
Delta R.T. 0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

Tgt Ion:107 Resp: 283721
Ion Ratio Lower Upper
107 100
144 23.8 20.0 30.0
142 77.5 61.3 91.9





#37

2-Methylnaphthalene

Concen: 44.414 ng

RT: 8.675 min Scan# 1110

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

Tgt Ion:142 Resp: 583180

Ion Ratio Lower Upper

142 100

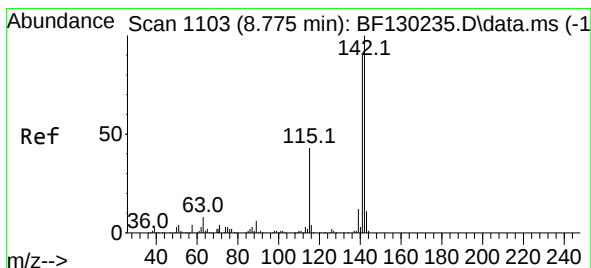
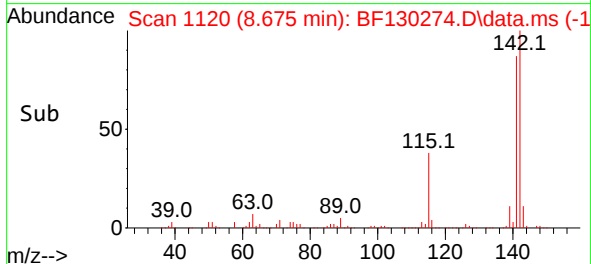
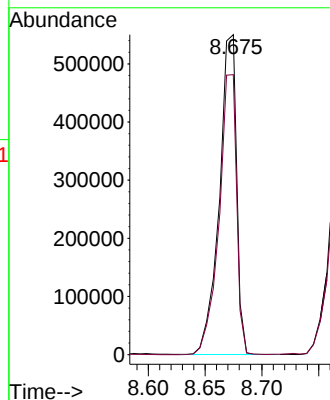
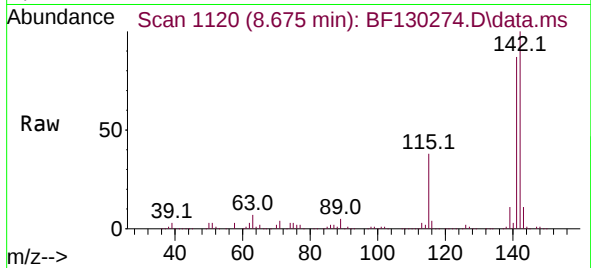
141 87.5 70.0 105.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#38

1-Methylnaphthalene

Concen: 43.681 ng

RT: 8.769 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF130274.D

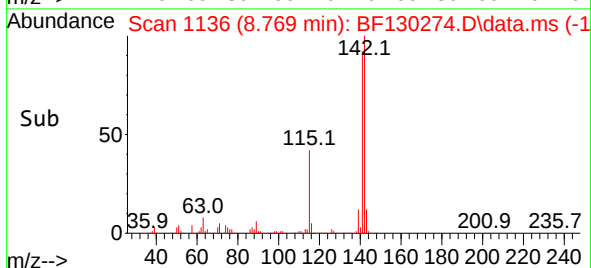
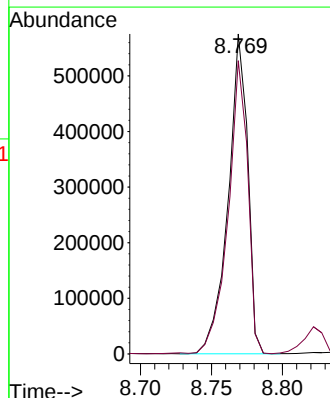
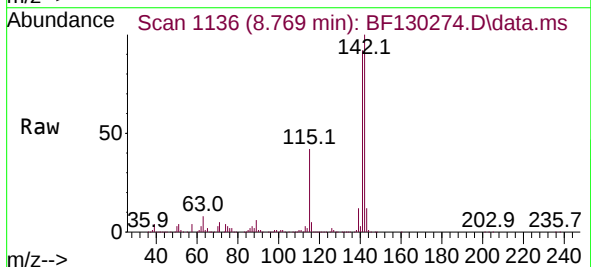
Acq: 15 Sep 2022 16:42

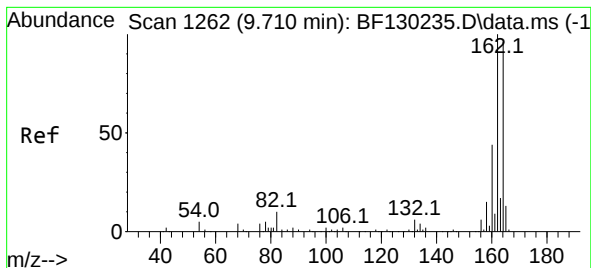
Tgt Ion:142 Resp: 550982

Ion Ratio Lower Upper

142 100

141 91.6 73.8 110.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.710 min Scan# 1148

Delta R.T. -0.000 min

Lab File: BF130274.D

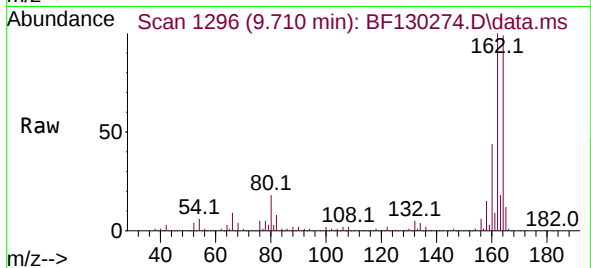
Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS



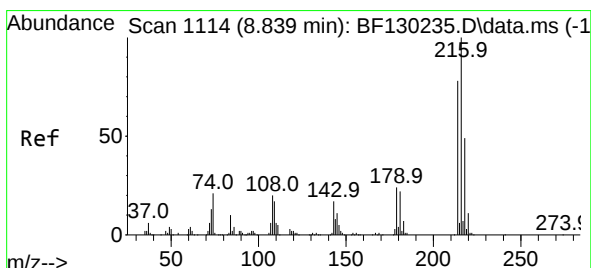
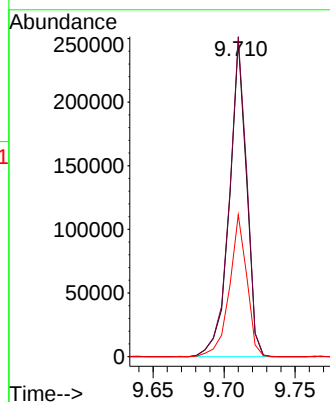
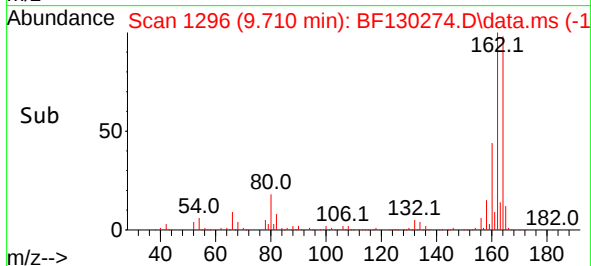
Tgt Ion:164	Resp:	209023
Ion Ratio	Lower	Upper
164	100	
162	101.3	81.4 122.0
160	44.9	36.2 54.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#40

1,2,4,5-Tetrachlorobenzene

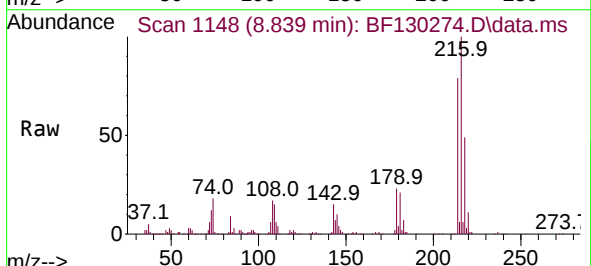
Concen: 45.981 ng

RT: 8.839 min Scan# 1148

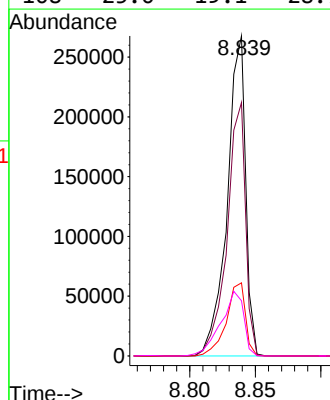
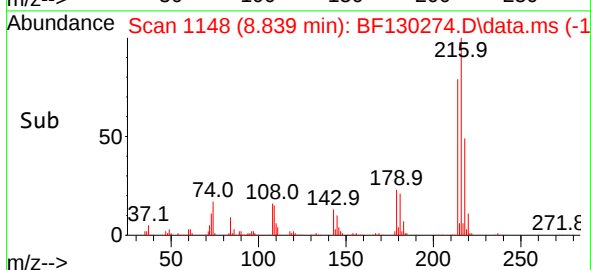
Delta R.T. 0.000 min

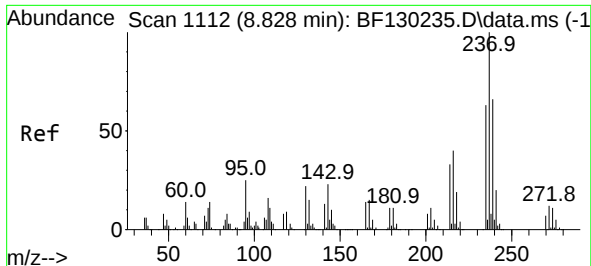
Lab File: BF130274.D

Acq: 15 Sep 2022 16:42



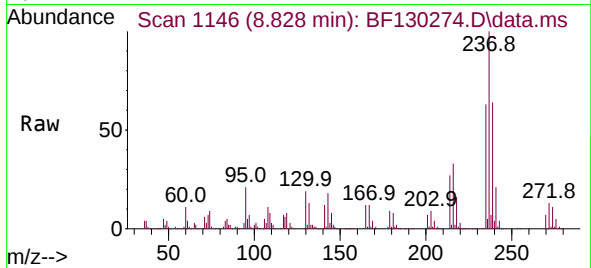
Tgt Ion:216	Resp:	262292
Ion Ratio	Lower	Upper
216	100	
214	79.2	62.8 94.2
179	23.7	19.5 29.3
108	25.0	19.1 28.7





#41
Hexachlorocyclopentadiene
Concen: 109.655 ng
RT: 8.828 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

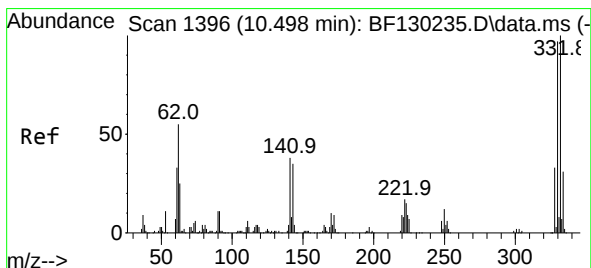
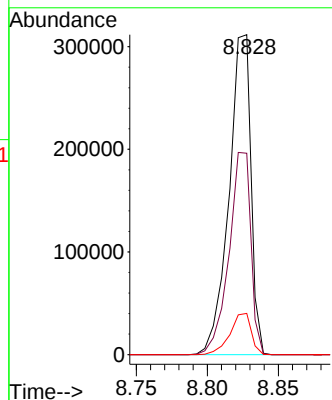
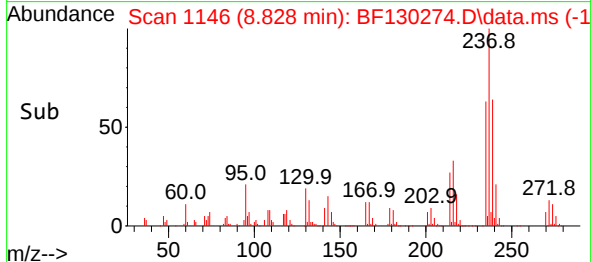
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



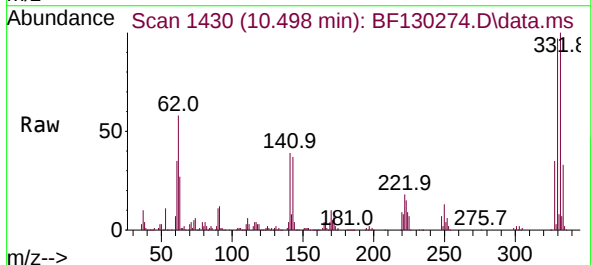
Tgt Ion: 237 Resp: 334893
Ion Ratio Lower Upper
237 100
235 62.9 42.5 82.5
272 12.9 0.0 32.8

Manual Integrations
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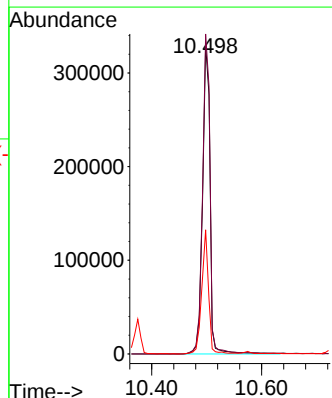
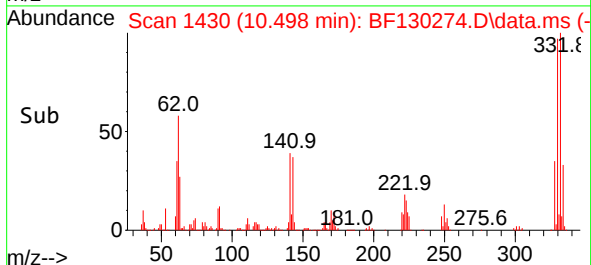
Reviewed By : Christian Giraldo 09/16/2022
Supervised By : Jagrut Upadhyay 09/16/2022

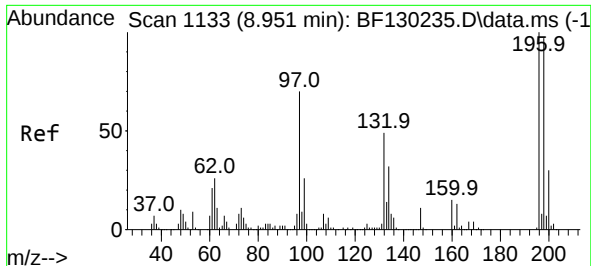


#42
2,4,6-Tribromophenol
Concen: 154.782 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



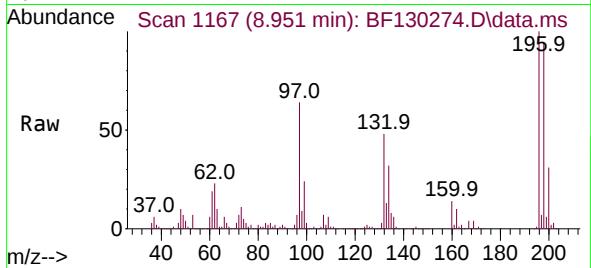
Tgt Ion: 330 Resp: 310003
Ion Ratio Lower Upper
330 100
332 104.0 83.4 125.2
141 36.8 34.0 51.0





#43
2,4,6-Trichlorophenol
Concen: 44.906 ng
RT: 8.951 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

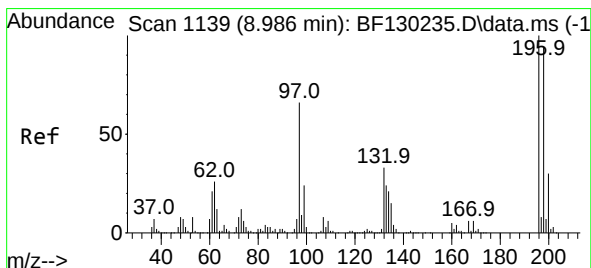
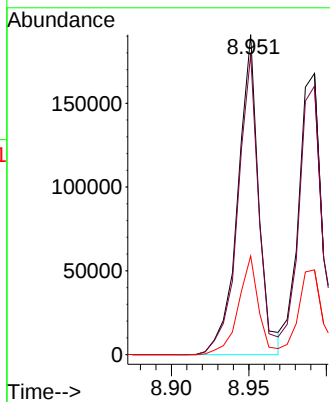
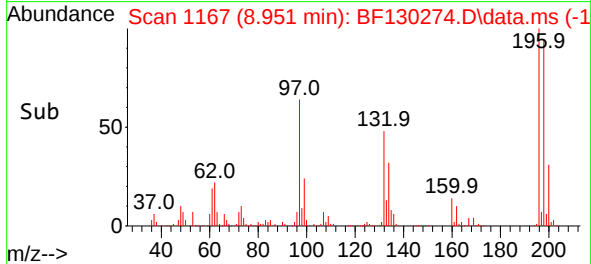
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



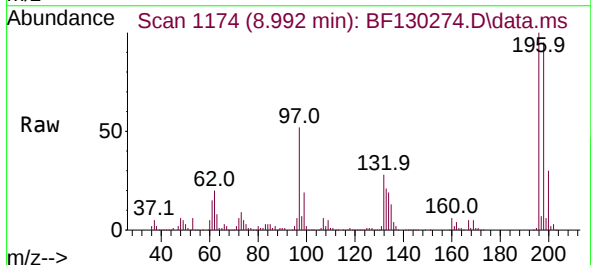
Tgt Ion:196 Resp: 178775
Ion Ratio Lower Upper
196 100
198 93.8 72.4 108.6
200 30.8 23.8 35.6

Manual Integrations
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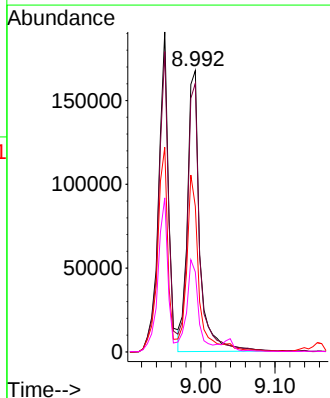
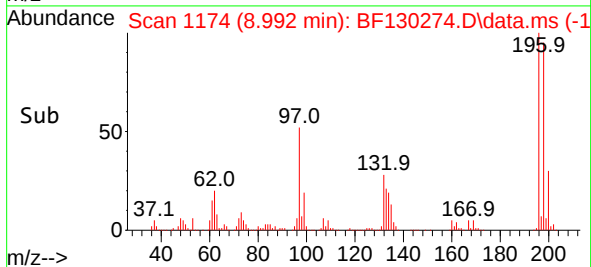
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

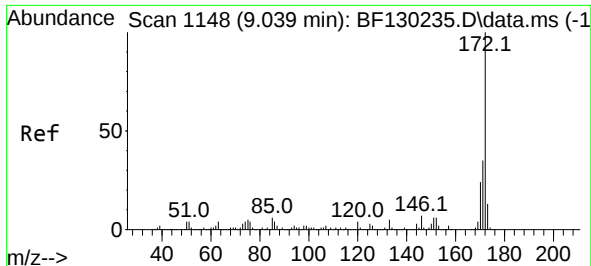


#44
2,4,5-Trichlorophenol
Concen: 45.151 ng
RT: 8.992 min Scan# 1174
Delta R.T. 0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



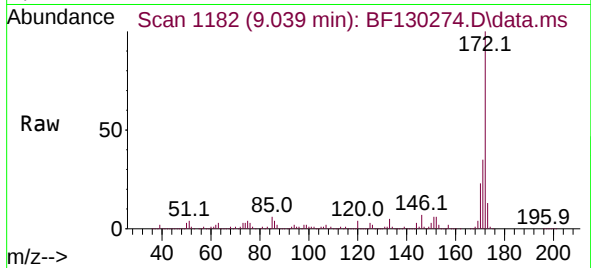
Tgt Ion:196 Resp: 193973
Ion Ratio Lower Upper
196 100
198 95.5 74.8 112.2
97 51.8 43.7 65.5
132 28.4 22.8 34.2





#45
2-Fluorobiphenyl
Concen: 84.209 ng
RT: 9.039 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

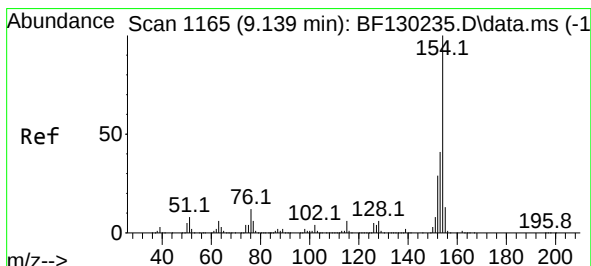
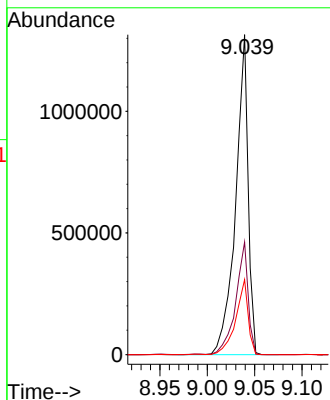
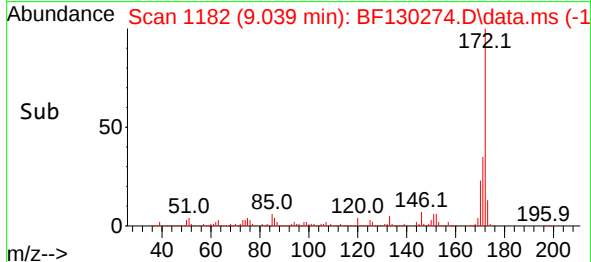
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



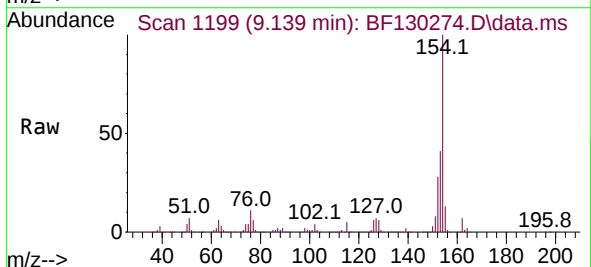
Tgt Ion:172 Resp: 1208740
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.4 18.7 28.1

Manual Integrations
APPROVED

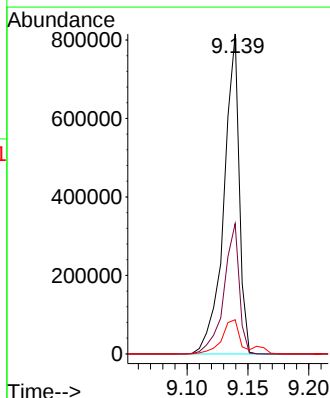
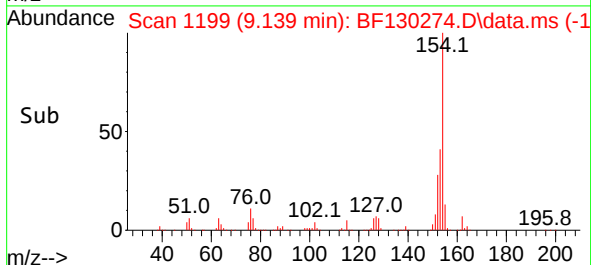
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

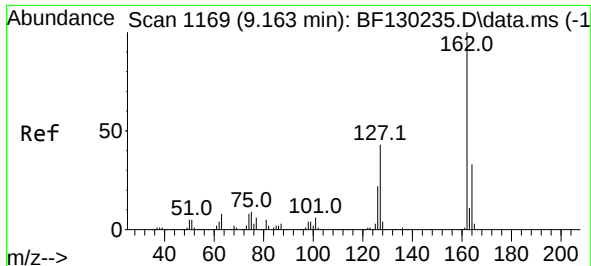


#46
1,1'-Biphenyl
Concen: 45.665 ng
RT: 9.139 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



Tgt Ion:154 Resp: 712871
Ion Ratio Lower Upper
154 100
153 40.7 20.0 60.0
76 10.7 0.0 33.3





#47

2-Chloronaphthalene

Concen: 43.938 ng

RT: 9.157 min Scan# 1169

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

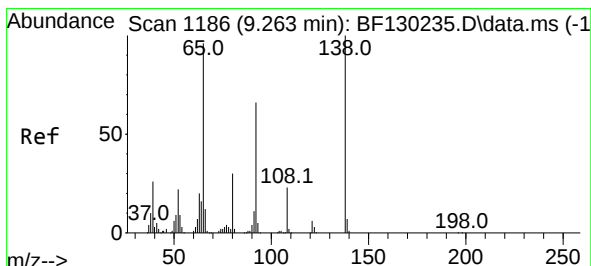
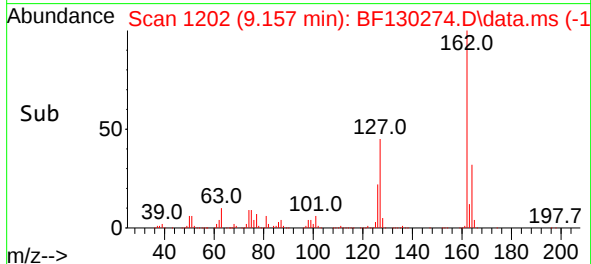
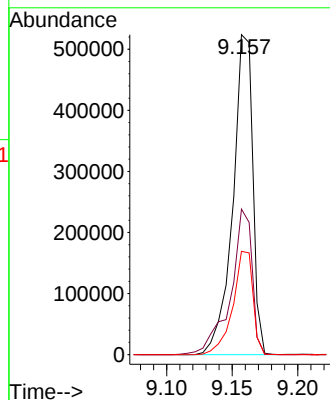
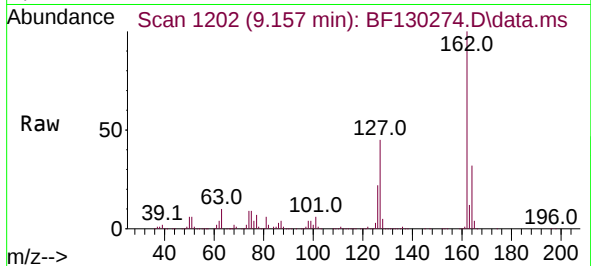
Tgt Ion:162 Resp: 554858
 Ion Ratio Lower Upper
 162 100
 127 45.5 35.9 53.9
 164 32.3 26.2 39.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#48

2-Nitroaniline

Concen: 44.308 ng

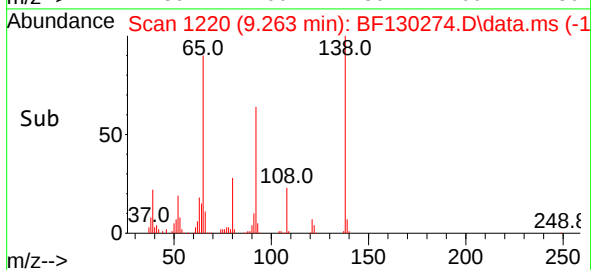
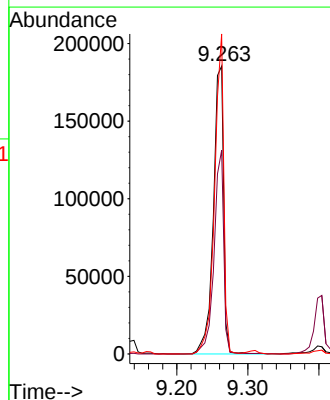
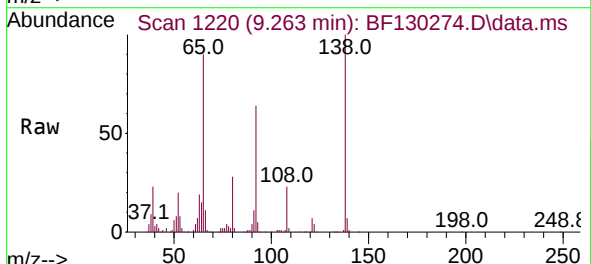
RT: 9.263 min Scan# 1220

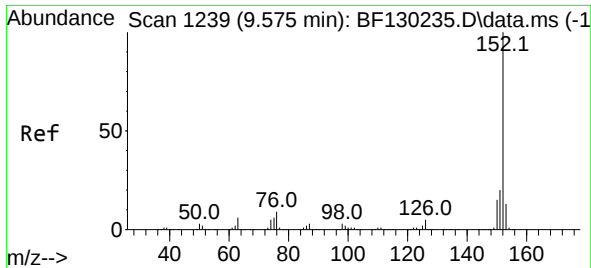
Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

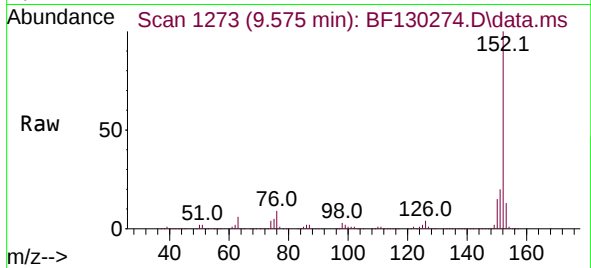
Tgt Ion: 65 Resp: 186621
 Ion Ratio Lower Upper
 65 100
 92 70.8 52.2 78.4
 138 111.2 77.0 115.4





#49
Acenaphthylene
Concen: 44.373 ng
RT: 9.575 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

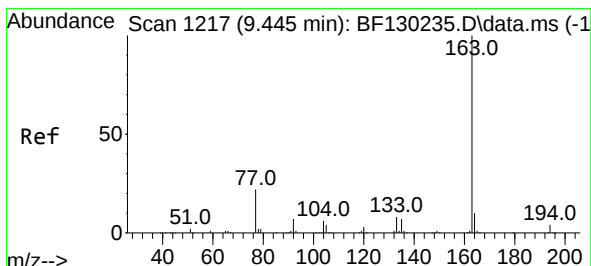
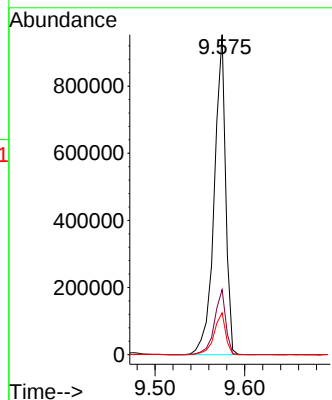
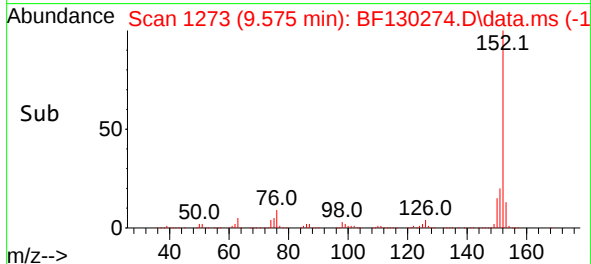
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



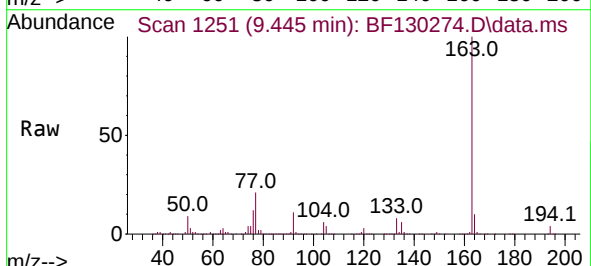
Tgt Ion:152 Resp: 840159
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.1 10.6 15.8

Manual Integrations
APPROVED

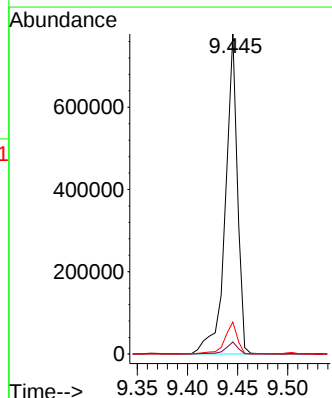
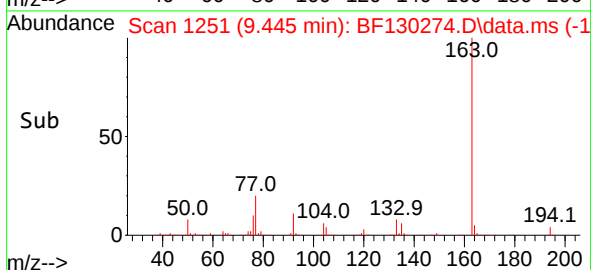
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

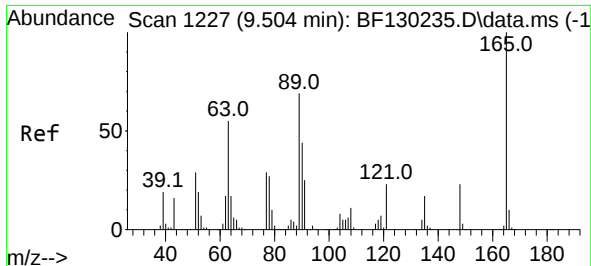


#50
Dimethylphthalate
Concen: 45.172 ng
RT: 9.445 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



Tgt Ion:163 Resp: 652217
Ion Ratio Lower Upper
163 100
194 3.7 2.8 4.2
164 10.0 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 47.657 ng

RT: 9.504 min Scan# 1302

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

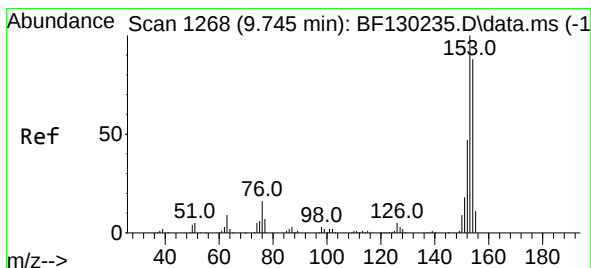
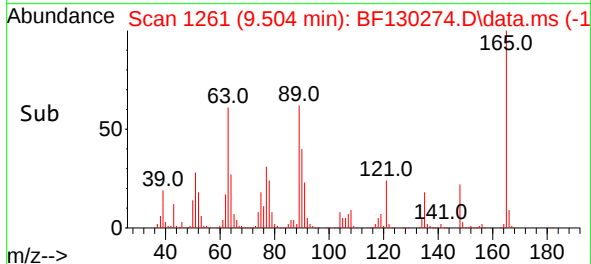
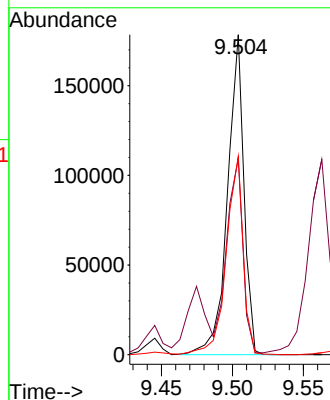
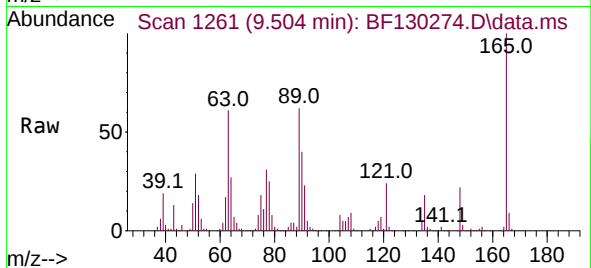
Tgt Ion:	165	Resp:	143907
Ion Ratio	Lower	Upper	
165	100		
63	61.3	58.8	88.2
89	62.0	54.5	81.7

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#52

Acenaphthene

Concen: 48.865 ng m

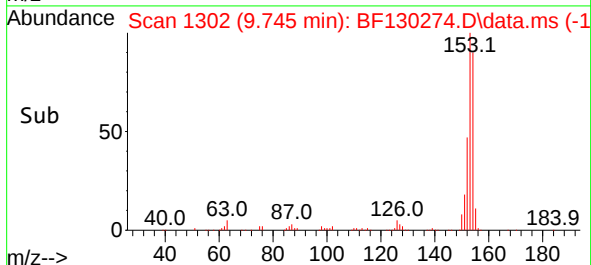
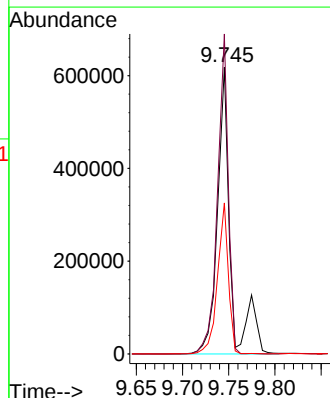
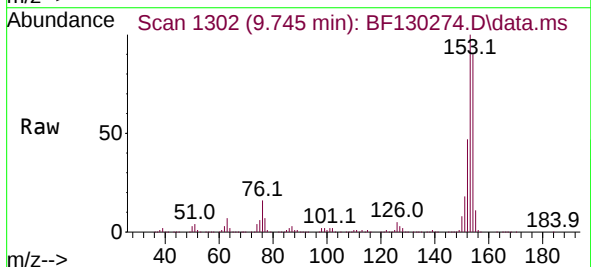
RT: 9.745 min Scan# 1302

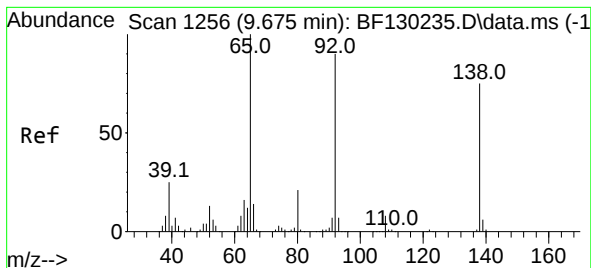
Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Tgt Ion:	154	Resp:	607885
Ion Ratio	Lower	Upper	
154	100		
153	111.7	90.6	136.0
152	52.7	43.8	65.6





#53

3-Nitroaniline

Concen: 20.862 ng

RT: 9.669 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

Tgt Ion:138 Resp: 70196

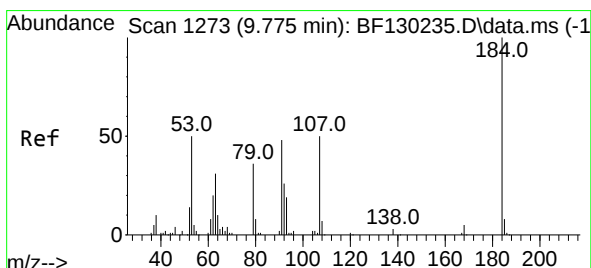
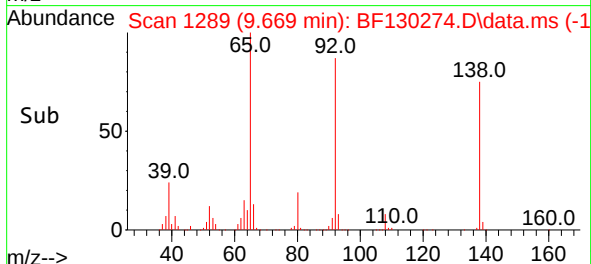
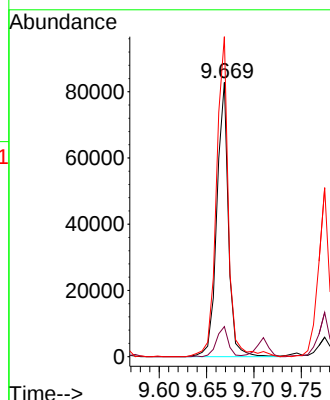
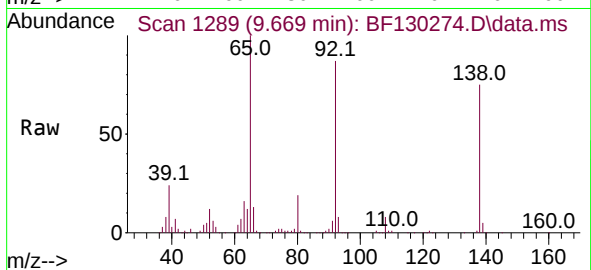
Ion	Ratio	Lower	Upper
138	100		
108	11.0	9.2	13.8
92	116.7	99.2	148.8

Manual Integrations

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Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#54

2,4-Dinitrophenol

Concen: 84.181 ng

RT: 9.775 min Scan# 1307

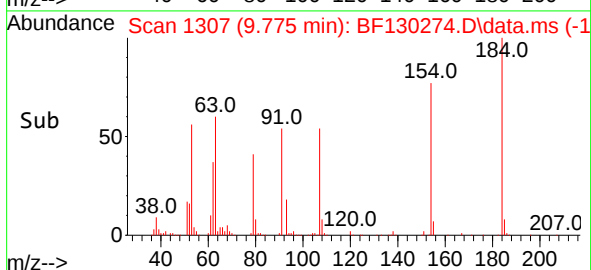
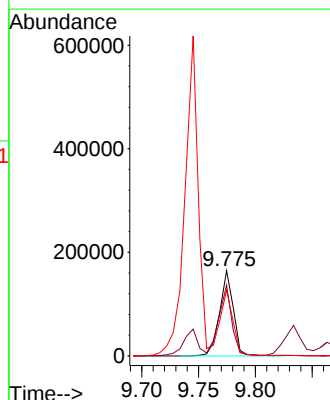
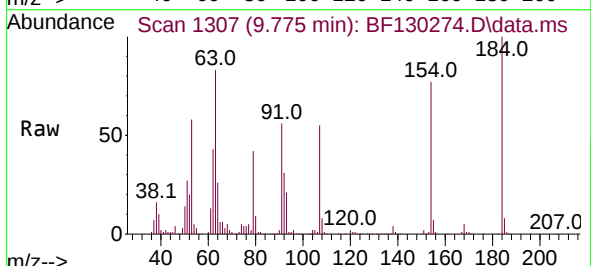
Delta R.T. -0.000 min

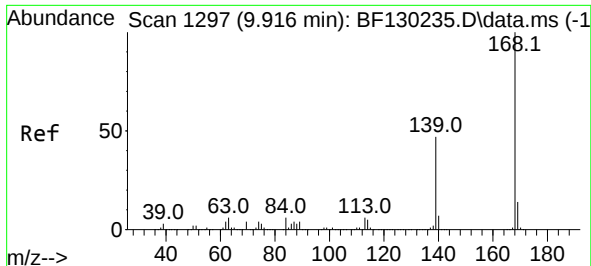
Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Tgt Ion:184 Resp: 138472

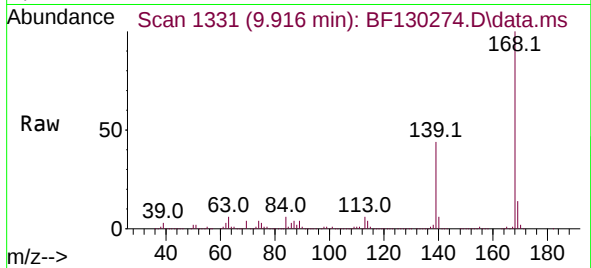
Ion	Ratio	Lower	Upper
184	100		
63	83.1	70.0	105.0
154	77.1	63.0	94.6





#55
Dibenzofuran
Concen: 44.060 ng
RT: 9.916 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

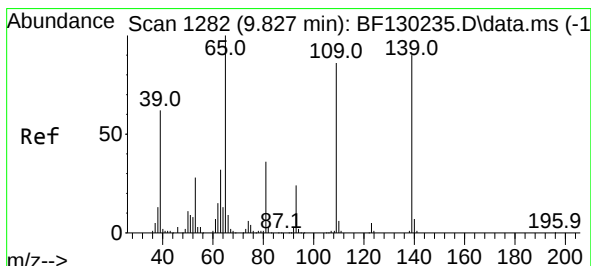
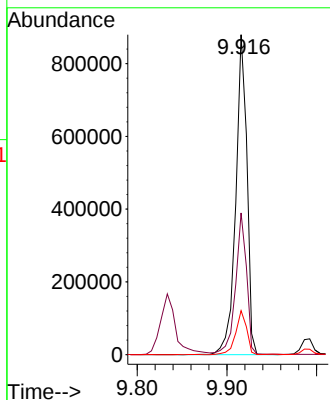
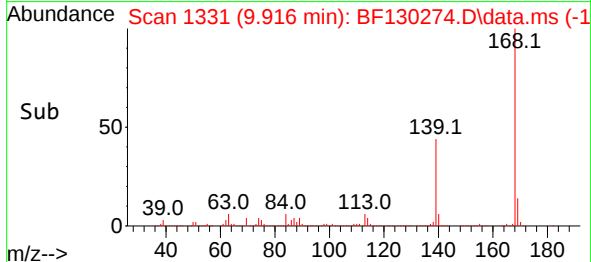
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



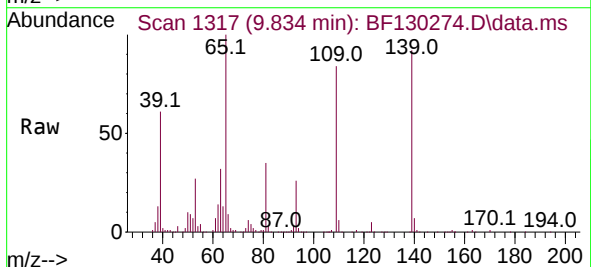
Tgt Ion:168 Resp: 762383
Ion Ratio Lower Upper
168 100
139 44.3 35.0 52.4
169 13.7 10.9 16.3

Manual Integrations
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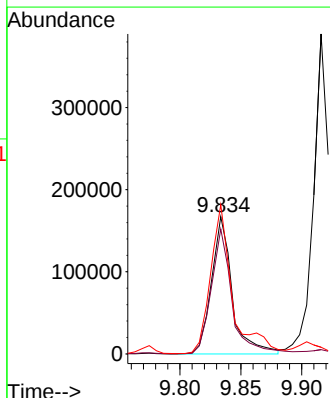
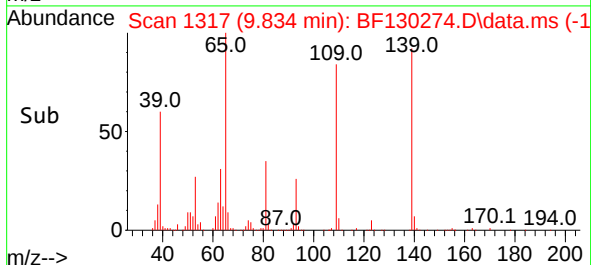
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

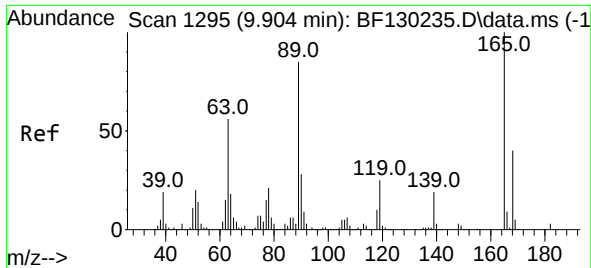


#56
4-Nitrophenol
Concen: 80.931 ng
RT: 9.834 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



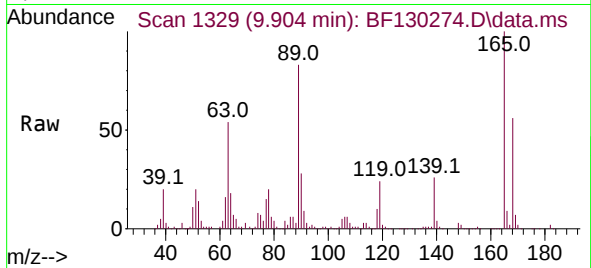
Tgt Ion:139 Resp: 198338
Ion Ratio Lower Upper
139 100
109 91.0 72.2 112.2
65 108.8 97.7 137.7





#57
2,4-Dinitrotoluene
Concen: 49.625 ng
RT: 9.904 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

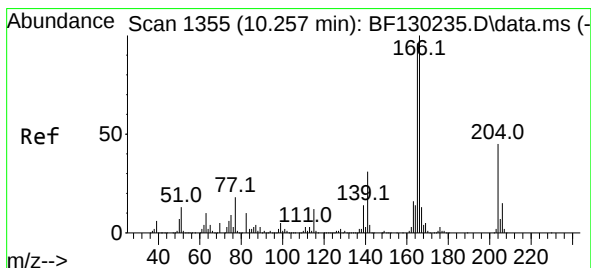
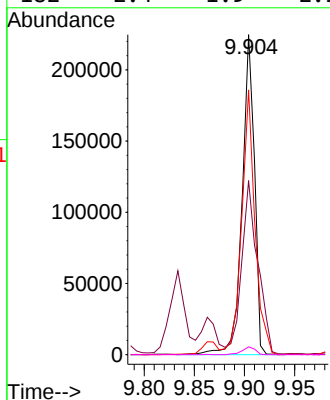
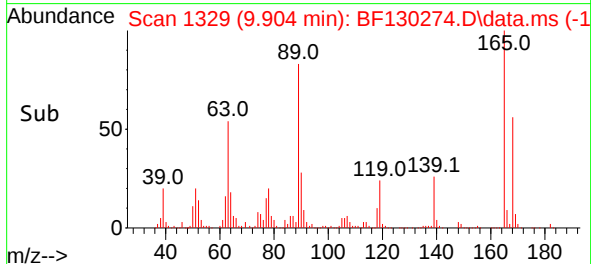
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



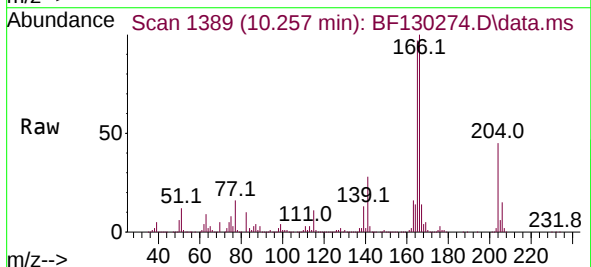
Tgt Ion:165 Resp: 191509
Ion Ratio Lower Upper
165 100
63 54.4 44.7 67.1
89 82.7 69.0 103.4
182 2.4 1.9 2.9

Manual Integrations
APPROVED

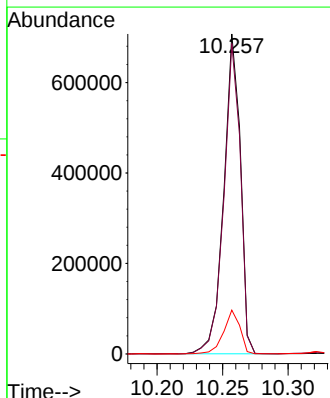
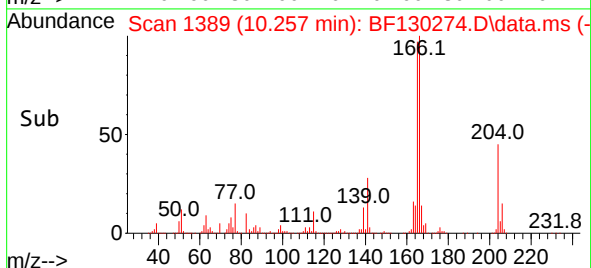
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

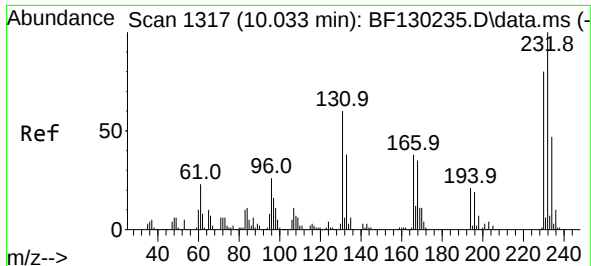


#58
Fluorene
Concen: 44.176 ng
RT: 10.257 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



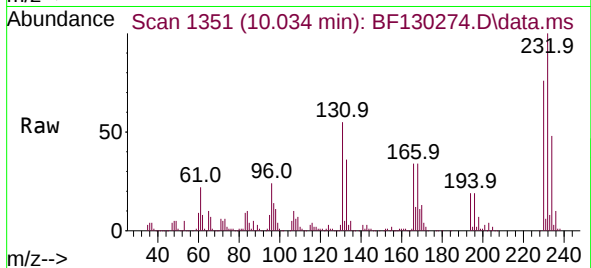
Tgt Ion:166 Resp: 625139
Ion Ratio Lower Upper
166 100
165 97.0 78.8 118.2
167 13.7 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.389 ng
RT: 10.034 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

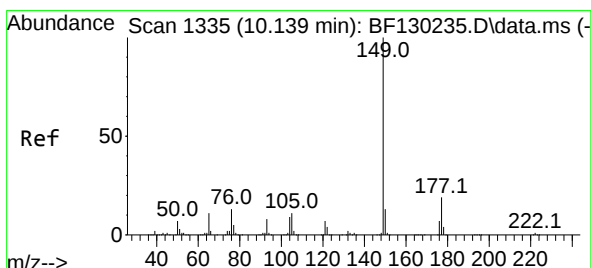
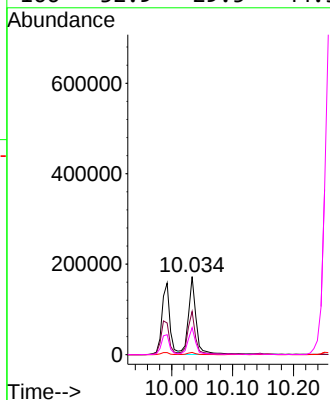
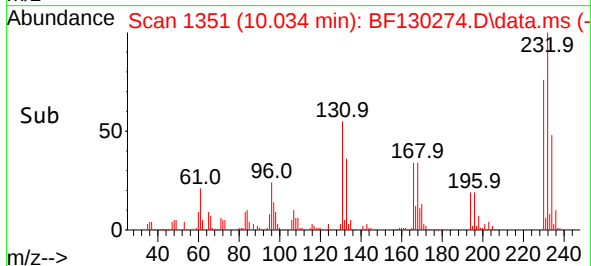
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



Tgt Ion:232 Resp: 152625
Ion Ratio Lower Upper
232 100
131 55.6 46.4 69.6
130 2.9 2.3 3.5
166 32.9 29.5 44.3

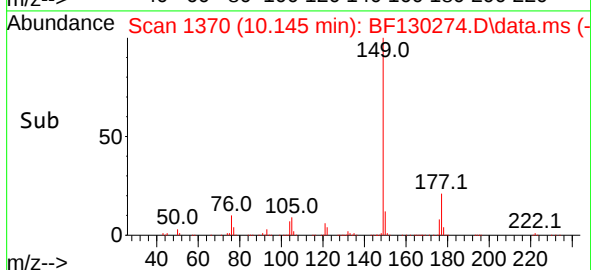
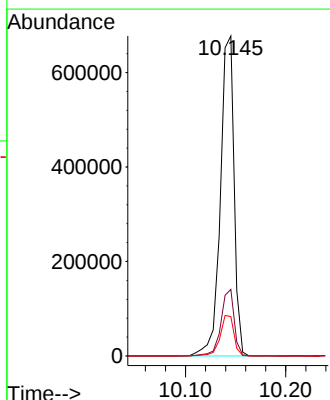
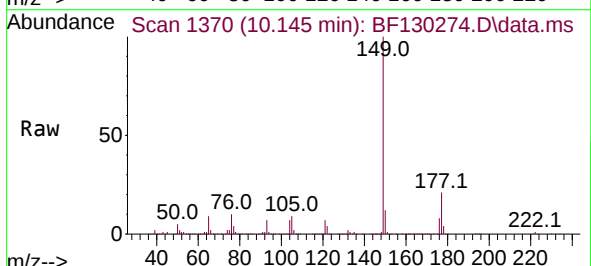
Manual Integrations
APPROVED

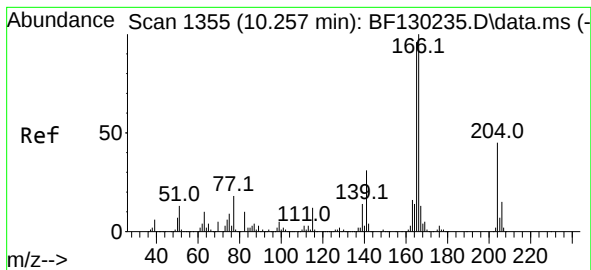
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#60
Diethylphthalate
Concen: 44.660 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

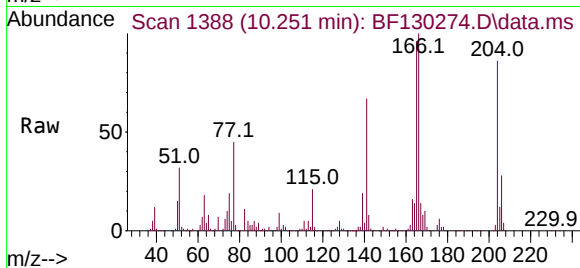
Tgt Ion:149 Resp: 646626
Ion Ratio Lower Upper
149 100
177 20.8 16.1 24.1
150 12.3 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 45.966 ng
RT: 10.251 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

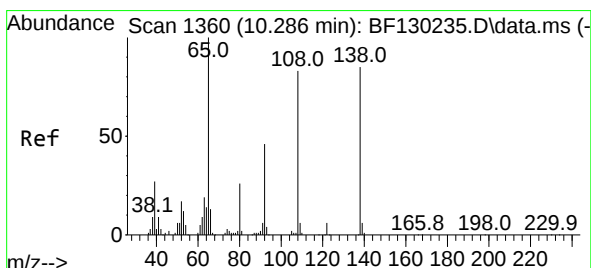
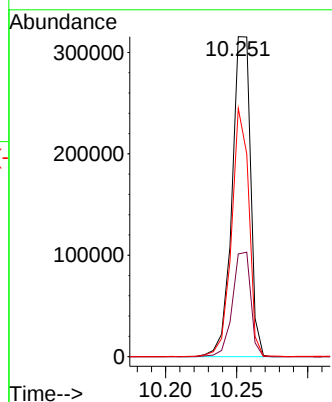
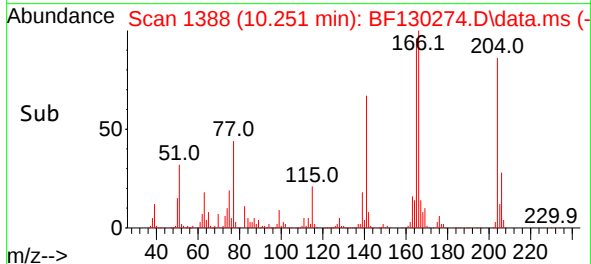
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



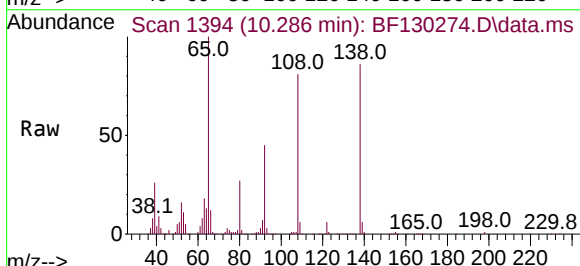
Tgt Ion:204 Resp: 285350
Ion Ratio Lower Upper
204 100
206 32.1 26.6 39.8
141 77.6 57.1 85.7

Manual Integrations
APPROVED

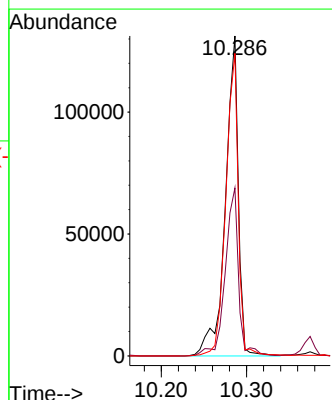
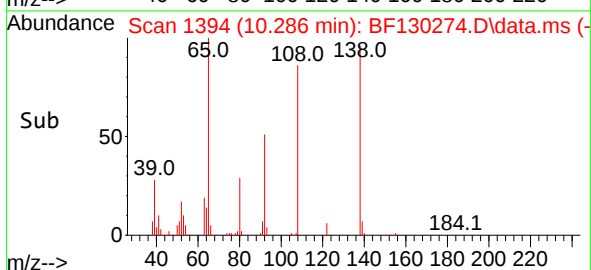
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

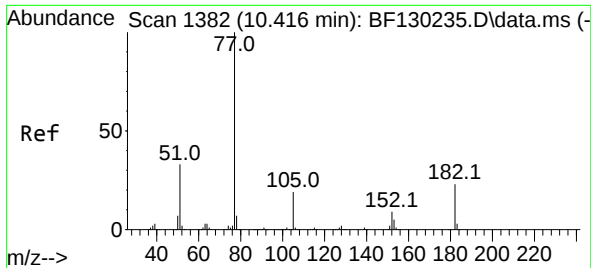


#62
4-Nitroaniline
Concen: 41.060 ng
RT: 10.286 min Scan# 1394
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



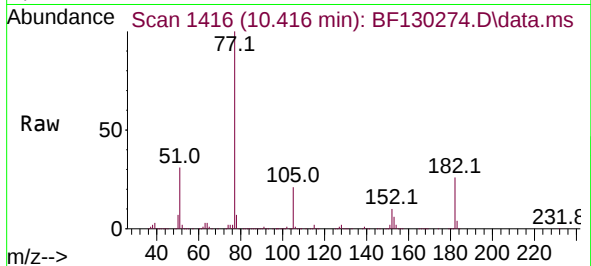
Tgt Ion:138 Resp: 138788
Ion Ratio Lower Upper
138 100
92 52.5 36.7 76.7
108 94.6 78.2 118.2





#63
Azobenzene
Concen: 41.718 ng
RT: 10.416 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

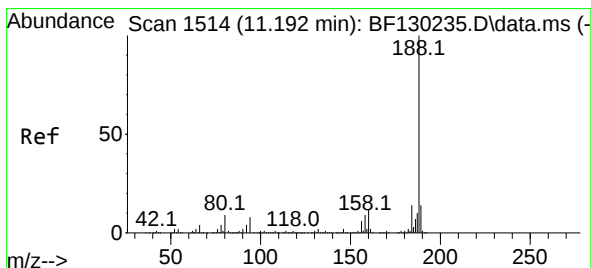
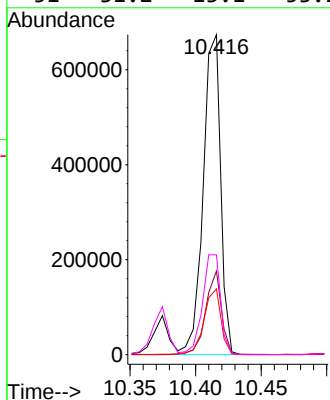
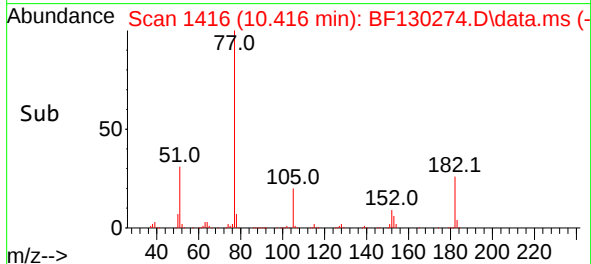
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



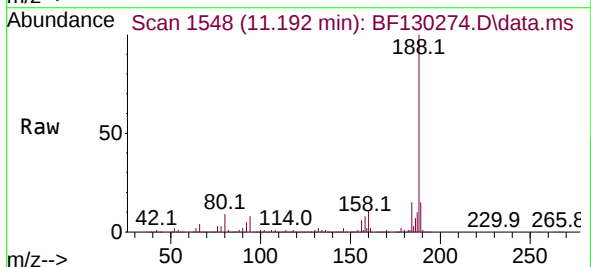
Tgt Ion: 77 Resp: 621975
Ion Ratio Lower Upper
77 100
182 26.2 2.1 42.1
105 20.5 0.0 39.4
51 31.2 13.1 53.1

Manual Integrations
APPROVED

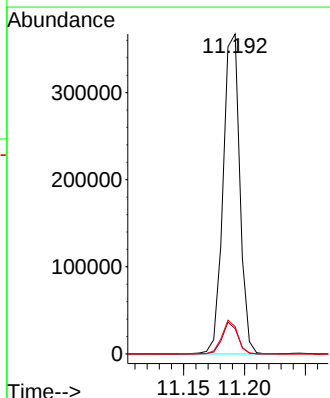
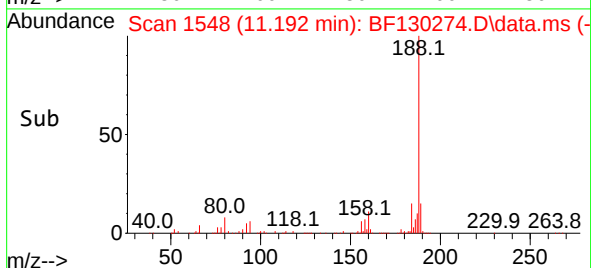
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

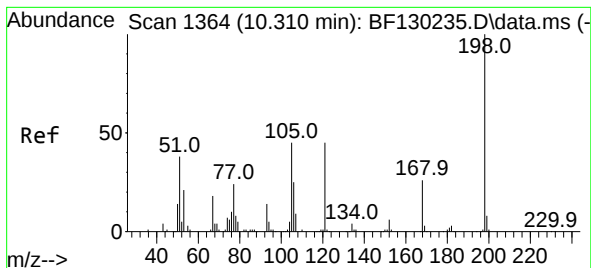


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.192 min Scan# 1548
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



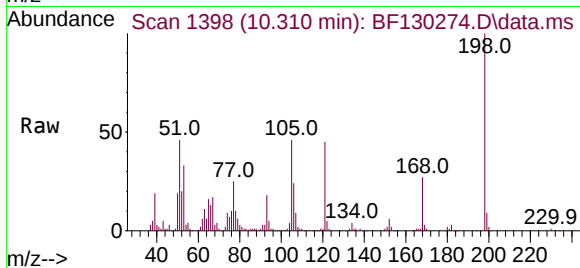
Tgt Ion:188 Resp: 349547
Ion Ratio Lower Upper
188 100
94 7.9 7.4 11.2
80 8.5 7.9 11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 44.774 ng
RT: 10.310 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

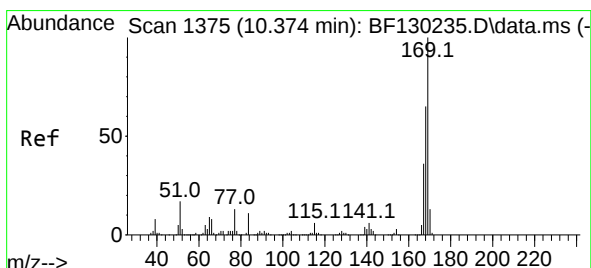
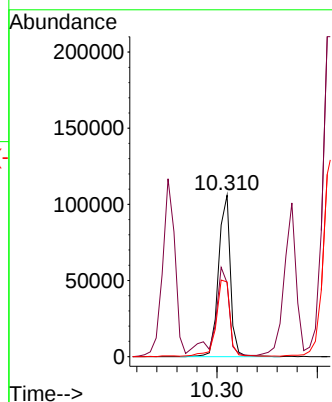
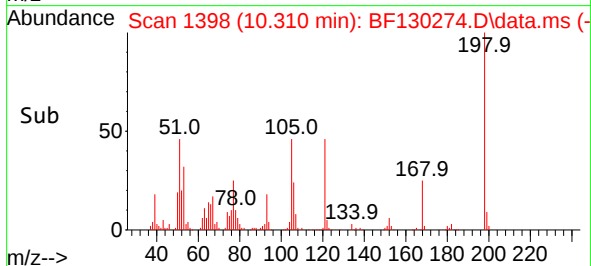
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



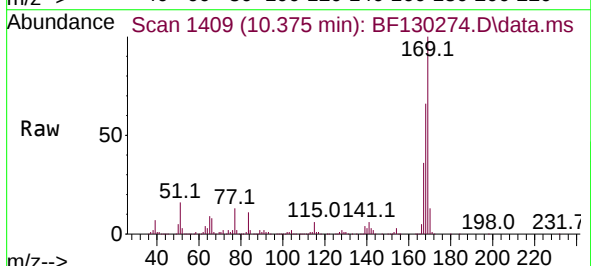
Tgt Ion:198 Resp: 87122
Ion Ratio Lower Upper
198 100
51 45.6 36.9 76.9
105 46.2 33.0 73.0

Manual Integrations
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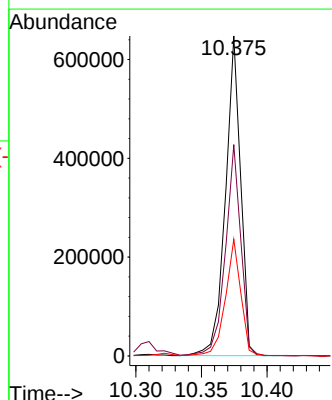
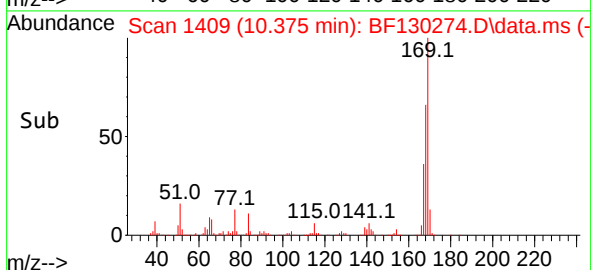
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

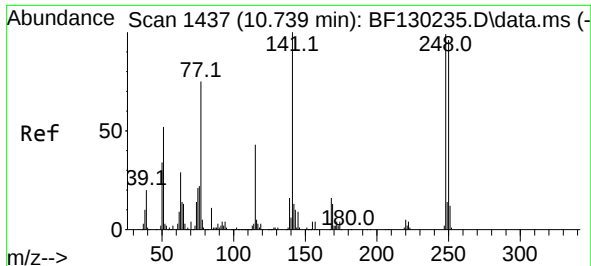


#66
n-Nitrosodiphenylamine
Concen: 44.797 ng
RT: 10.375 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



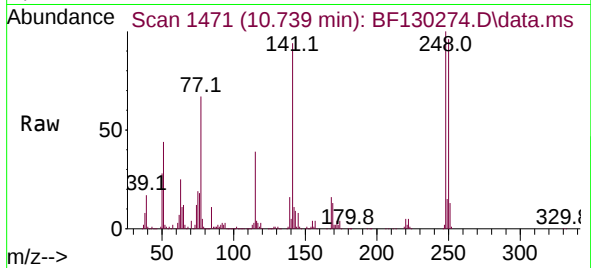
Tgt Ion:169 Resp: 523269
Ion Ratio Lower Upper
169 100
168 66.0 53.2 79.8
167 36.4 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 46.497 ng
RT: 10.739 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

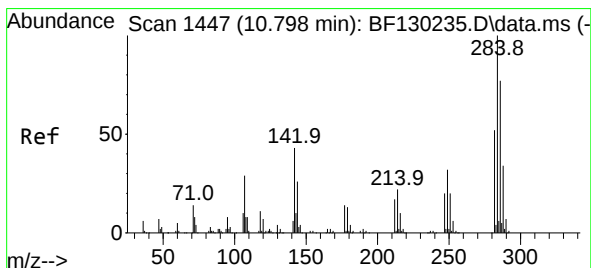
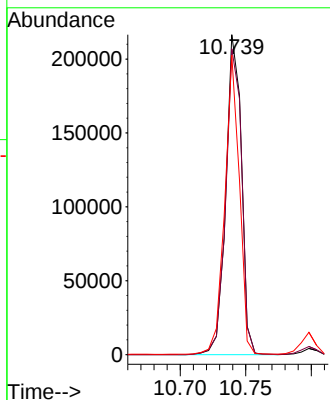
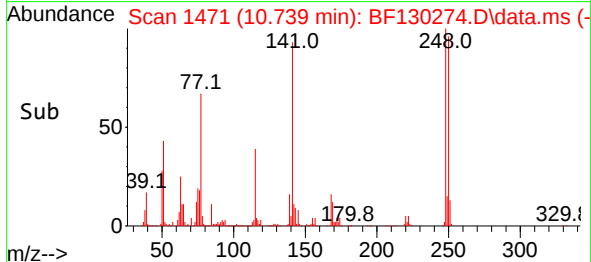
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



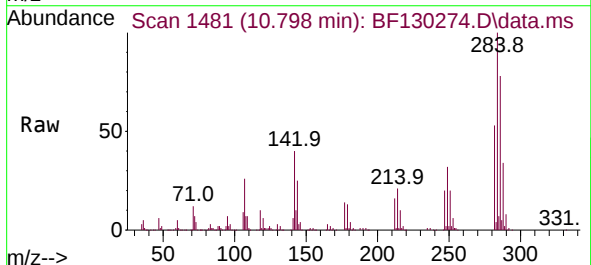
Tgt Ion:248 Resp: 179294
Ion Ratio Lower Upper
248 100
250 95.6 80.0 120.0
141 93.6 68.5 102.7

Manual Integrations
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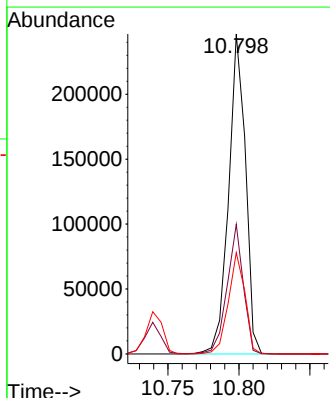
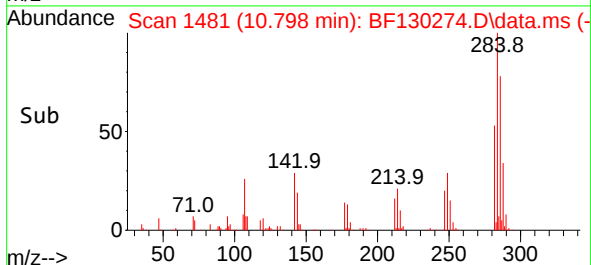
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

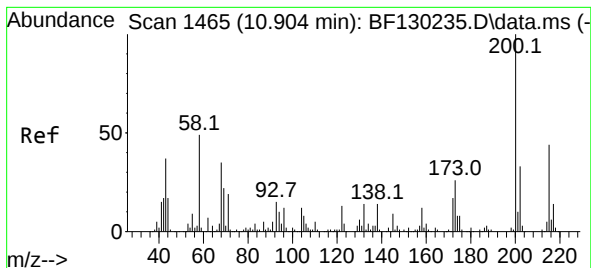


#68
Hexachlorobenzene
Concen: 46.468 ng
RT: 10.798 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



Tgt Ion:284 Resp: 203119
Ion Ratio Lower Upper
284 100
142 40.5 27.2 40.8
249 31.6 23.8 35.8





#69

Atrazine

Concen: 50.905 ng

RT: 10.904 min Scan# 1465

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

Tgt Ion:200 Resp: 17376

Ion Ratio Lower Upper

200 100

173 26.3 6.2 46.2

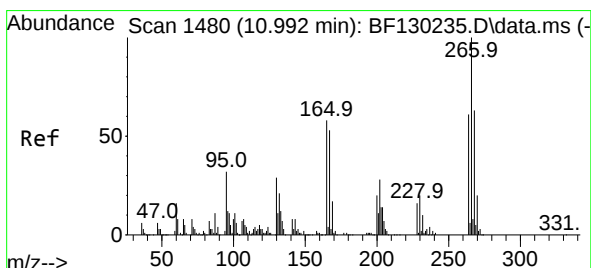
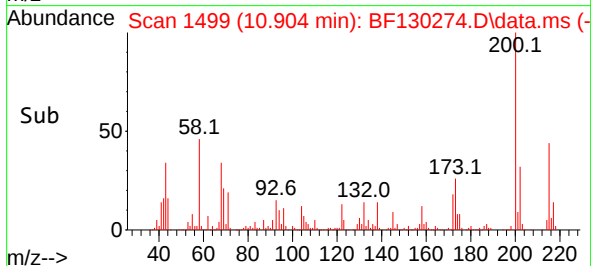
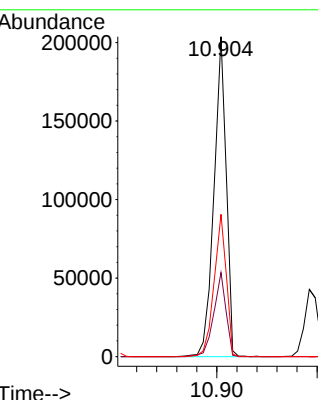
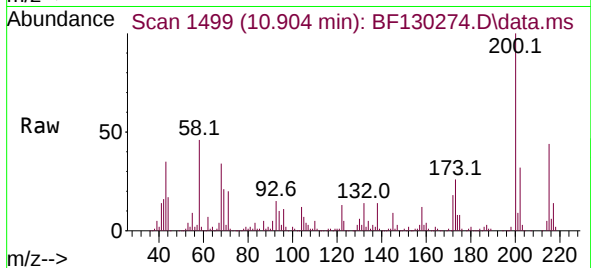
215 44.5 22.5 62.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#70

Pentachlorophenol

Concen: 92.198 ng

RT: 10.992 min Scan# 1514

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

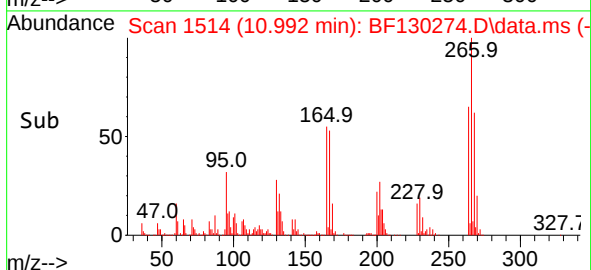
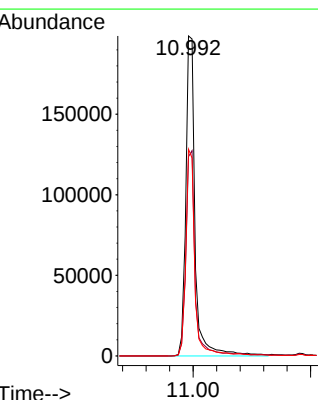
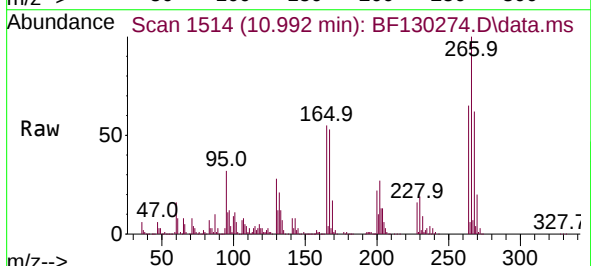
Tgt Ion:266 Resp: 216289

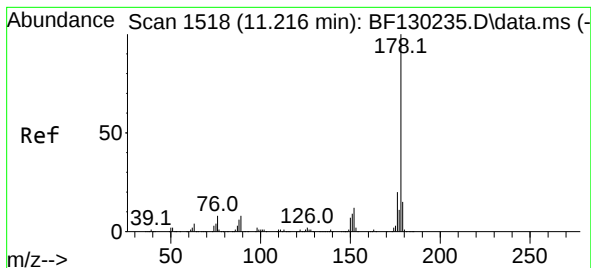
Ion Ratio Lower Upper

266 100

268 62.3 50.5 75.7

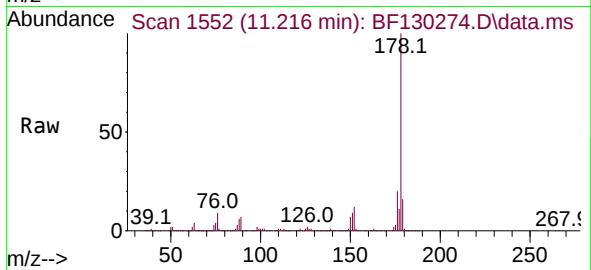
264 64.6 50.5 75.7





#71
Phenanthrene
Concen: 44.100 ng
RT: 11.216 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

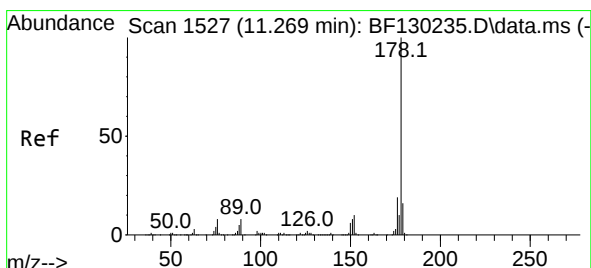
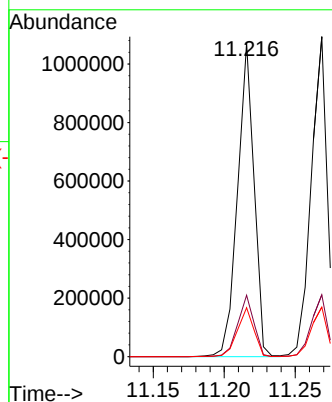
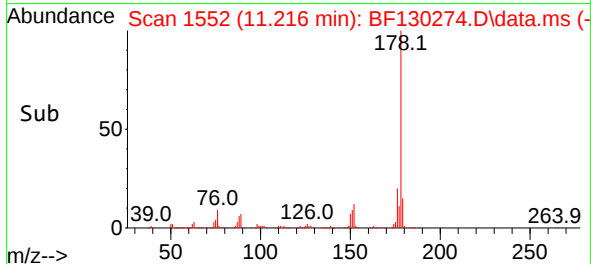
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



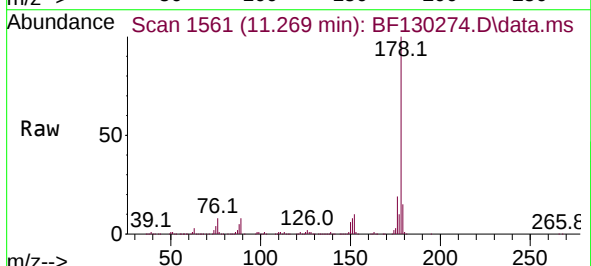
Tgt Ion:178 Resp: 865460
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.6 12.4 18.6

Manual Integrations
APPROVED

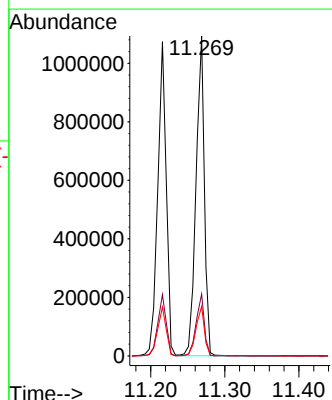
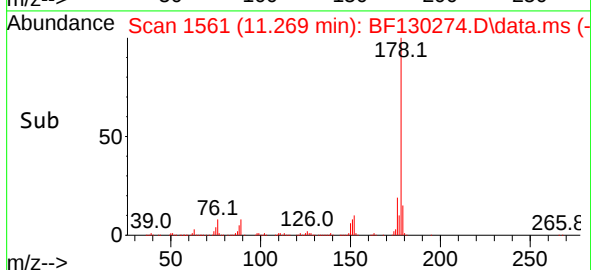
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

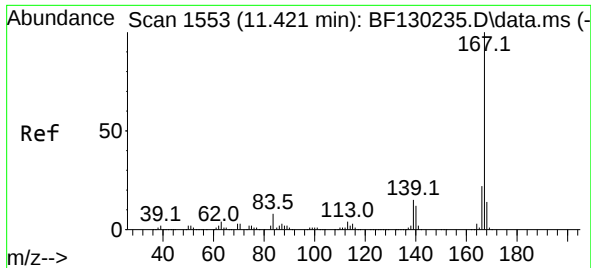


#72
Anthracene
Concen: 45.388 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



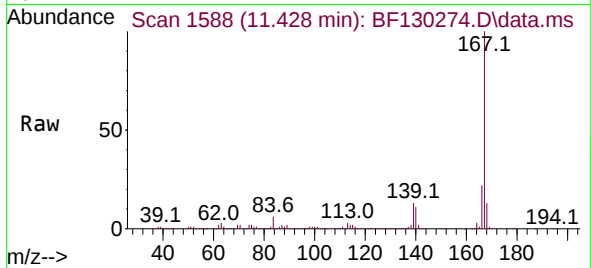
Tgt Ion:178 Resp: 859591
Ion Ratio Lower Upper
178 100
176 19.3 15.0 22.6
179 15.5 12.7 19.1





#73
 Carbazole
 Concen: 44.639 ng
 RT: 11.428 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF130274.D
 Acq: 15 Sep 2022 16:42

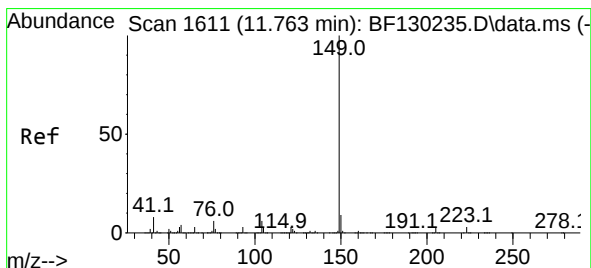
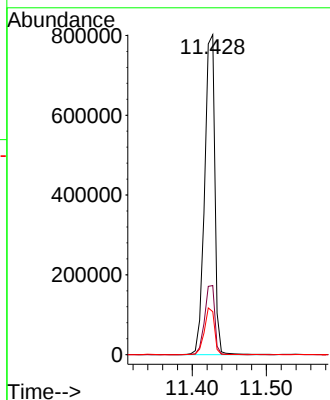
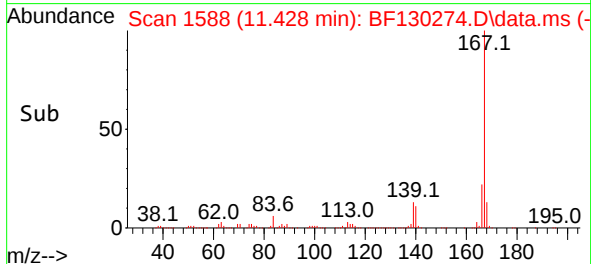
Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MS



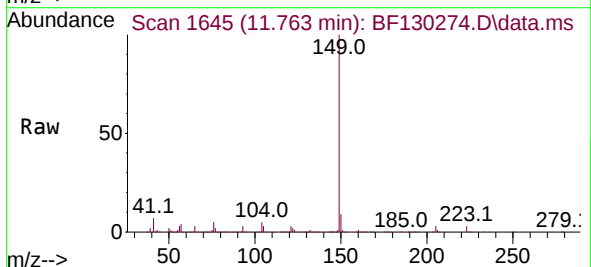
Tgt Ion:167 Resp: 762956
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.4 26.2
 139 13.4 11.6 17.4

Manual Integrations
 APPROVED

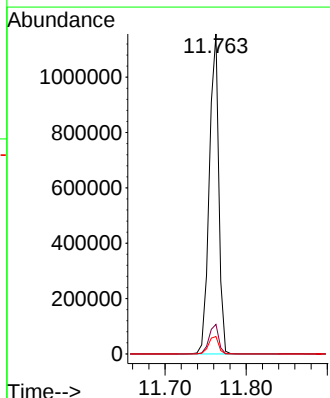
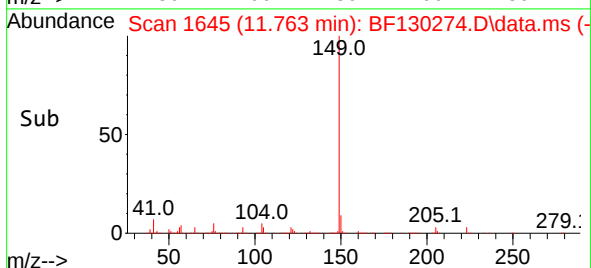
Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022

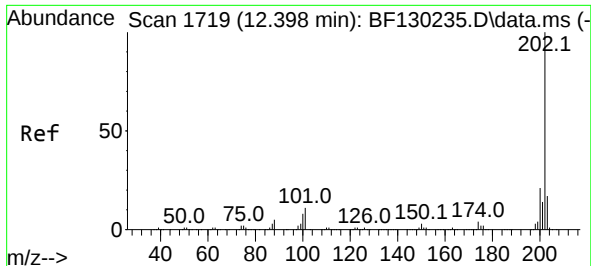


#74
 Di-n-butylphthalate
 Concen: 45.633 ng
 RT: 11.763 min Scan# 1645
 Delta R.T. 0.000 min
 Lab File: BF130274.D
 Acq: 15 Sep 2022 16:42



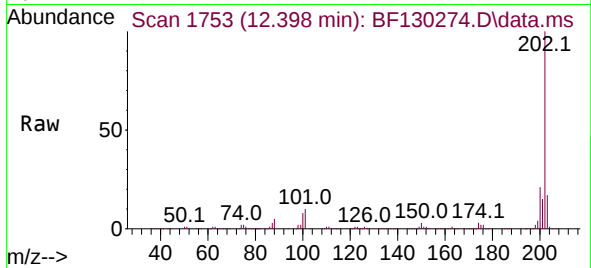
Tgt Ion:149 Resp: 940527
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.4 11.2
 104 5.4 4.8 7.2





#75
Fluoranthene
Concen: 42.594 ng
RT: 12.398 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

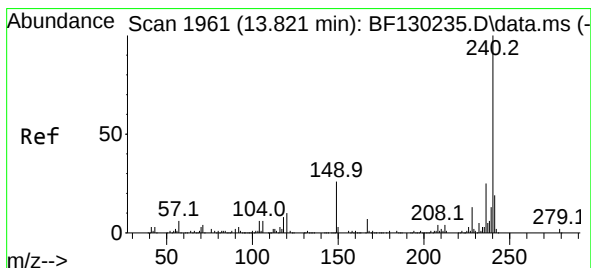
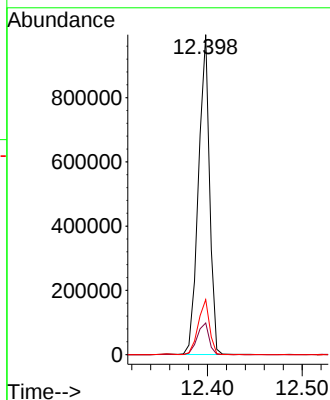
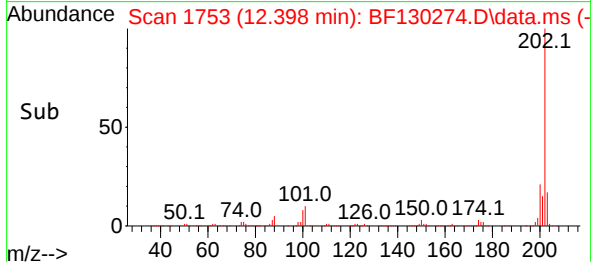
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



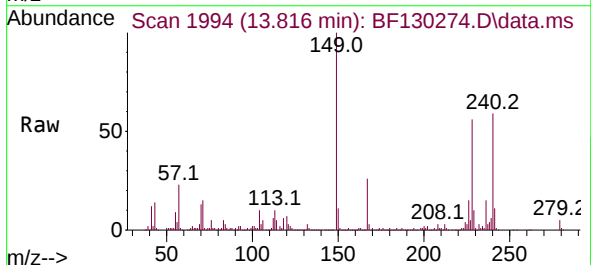
Tgt Ion:202 Resp: 807732
Ion Ratio Lower Upper
202 100
101 9.9 0.0 31.8
203 17.2 0.0 37.8

Manual Integrations
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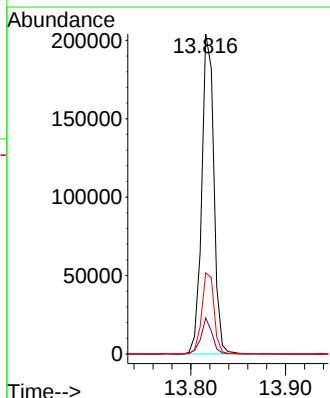
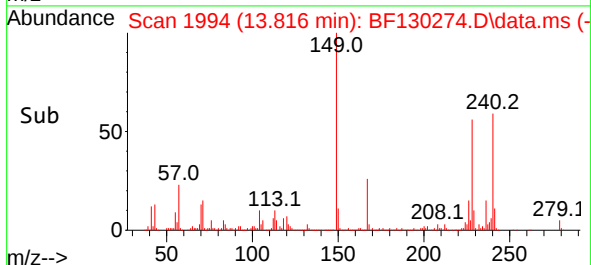
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

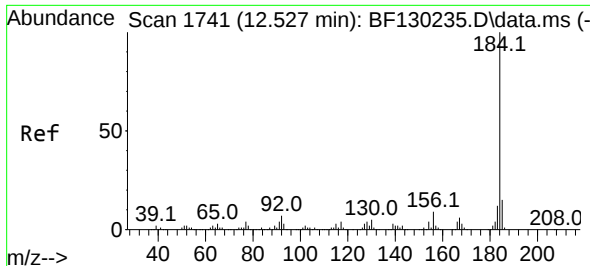


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.816 min Scan# 1994
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



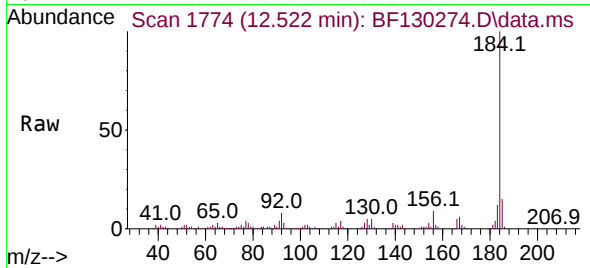
Tgt Ion:240 Resp: 181547
Ion Ratio Lower Upper
240 100
120 11.2 8.7 13.1
236 25.4 20.9 31.3





#77
Benzidine
Concen: 19.764 ng
RT: 12.522 min Scan# 1741
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

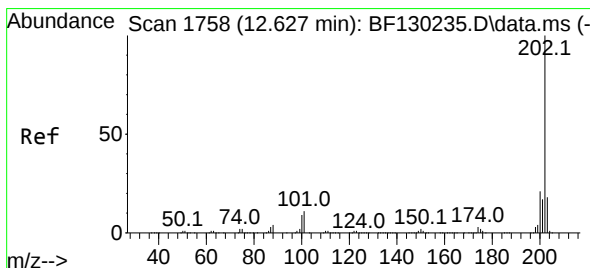
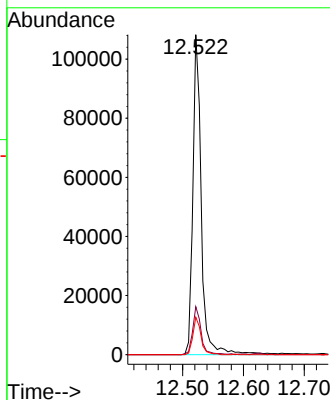
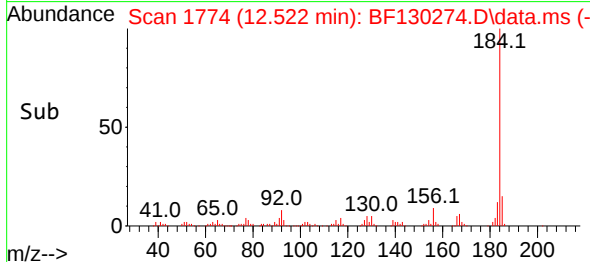
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



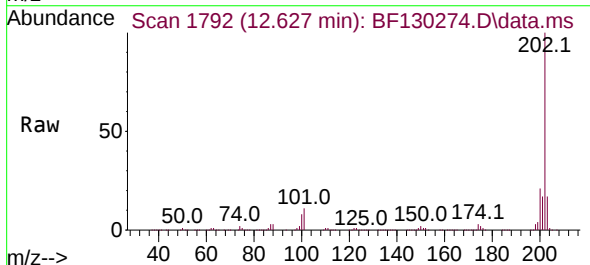
Tgt Ion:184 Resp: 104152
Ion Ratio Lower Upper
184 100
185 15.0 11.8 17.6
183 11.7 9.1 13.7

Manual Integrations
APPROVED

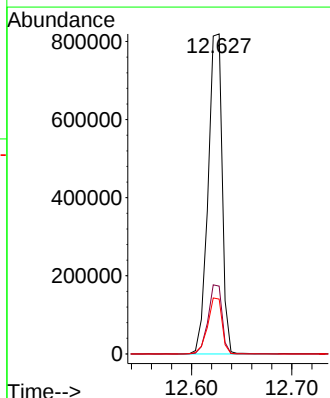
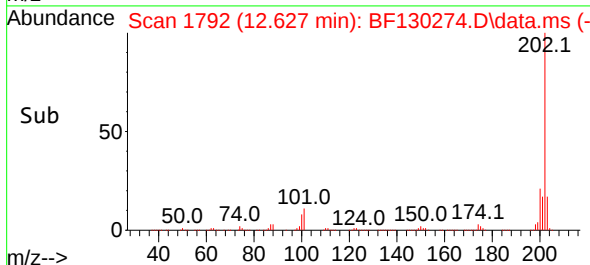
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

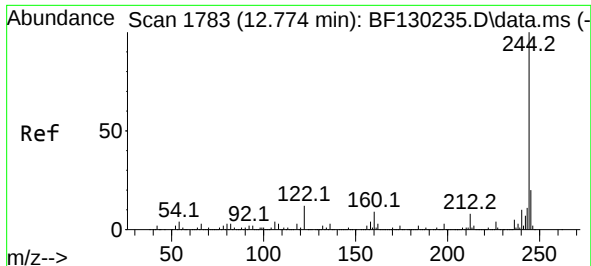


#78
Pyrene
Concen: 49.926 ng
RT: 12.627 min Scan# 1792
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



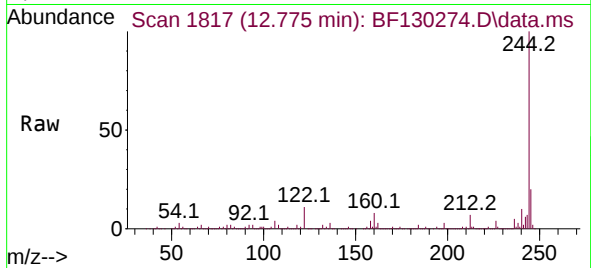
Tgt Ion:202 Resp: 792917
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 17.1 14.3 21.5





#79
 Terphenyl-d14
 Concen: 100.085 ng
 RT: 12.775 min Scan# 1817
 Delta R.T. 0.000 min
 Lab File: BF130274.D
 Acq: 15 Sep 2022 16:42

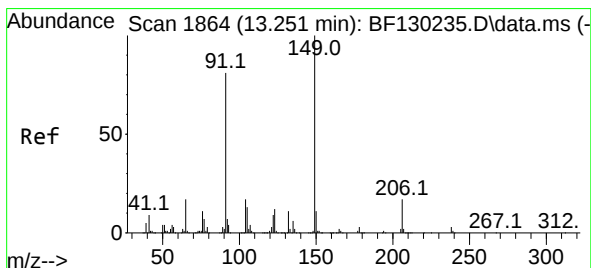
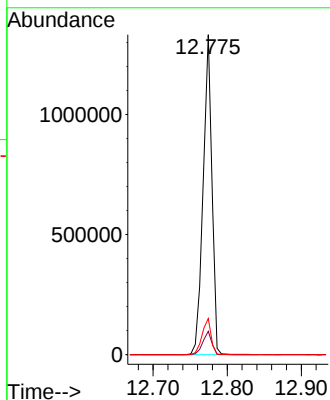
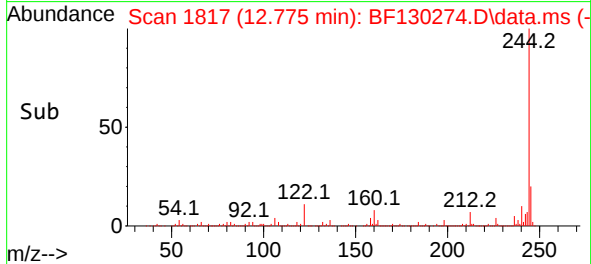
Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MS



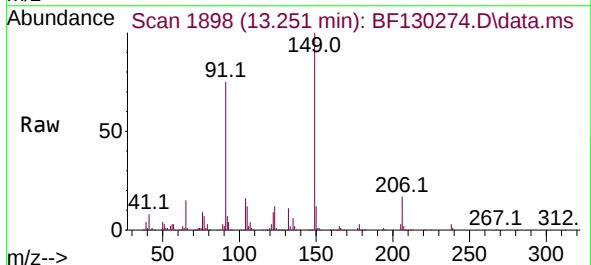
Tgt Ion:244 Resp: 1096910
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 11.3 8.5 12.7

Manual Integrations
 APPROVED

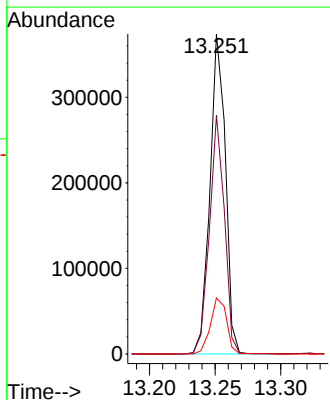
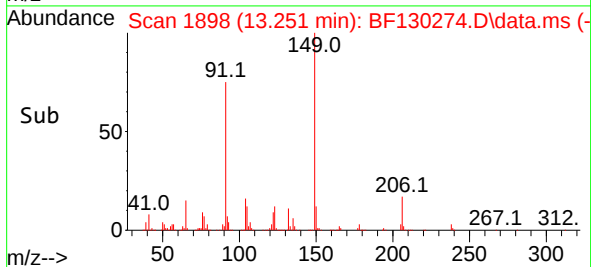
Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022

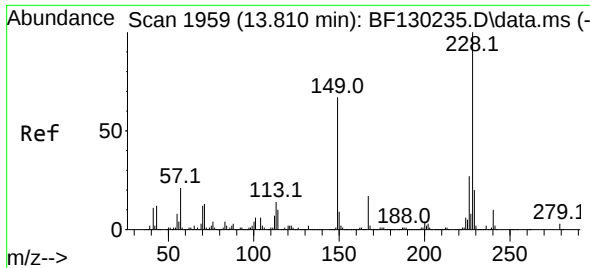


#80
 Butylbenzylphthalate
 Concen: 52.155 ng
 RT: 13.251 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: BF130274.D
 Acq: 15 Sep 2022 16:42



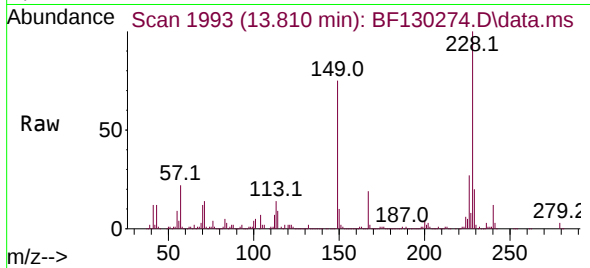
Tgt Ion:149 Resp: 306860
 Ion Ratio Lower Upper
 149 100
 91 74.6 59.8 89.8
 206 17.5 13.9 20.9





#81
Benzo(a)anthracene
Concen: 44.774 ng
RT: 13.810 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

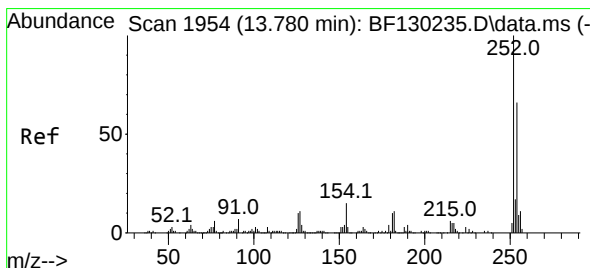
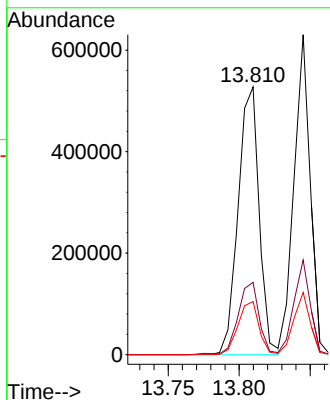
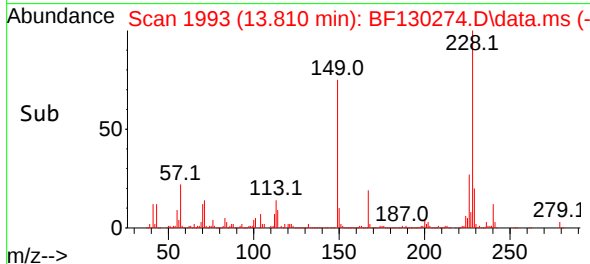
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



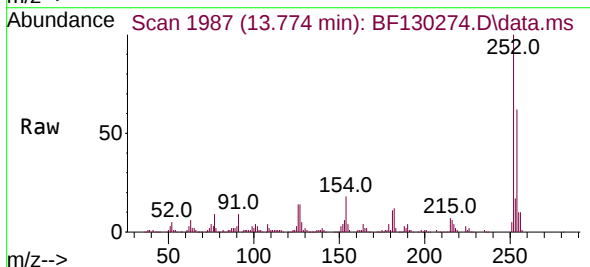
Tgt Ion:228 Resp: 540751
Ion Ratio Lower Upper
228 100
226 27.0 21.9 32.9
229 19.8 16.1 24.1

Manual Integrations
APPROVED

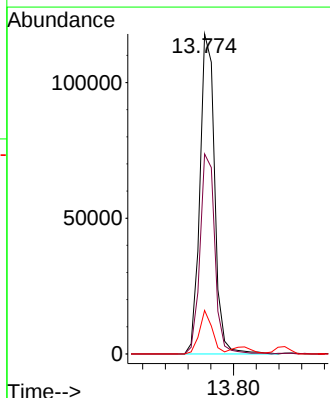
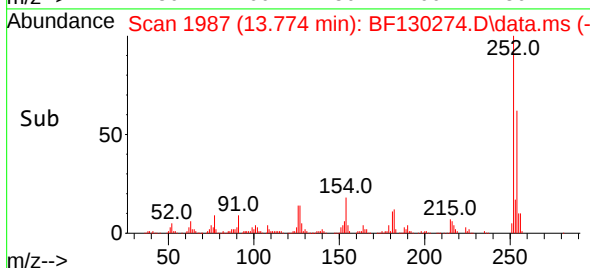
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022

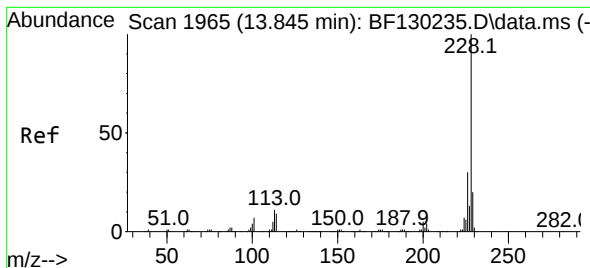


#82
3,3'-Dichlorobenzidine
Concen: 32.335 ng
RT: 13.774 min Scan# 1987
Delta R.T. -0.006 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



Tgt Ion:252 Resp: 106304
Ion Ratio Lower Upper
252 100
254 62.5 51.1 76.7
126 13.6 10.4 15.6





#83

Chrysene

Concen: 44.022 ng

RT: 13.845 min Scan# 1965

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

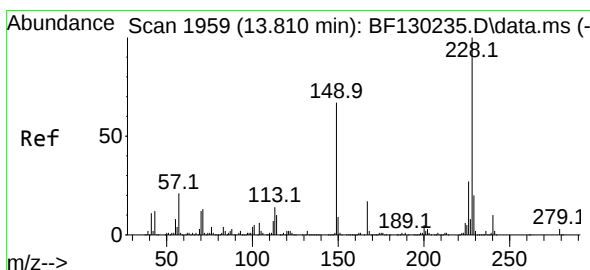
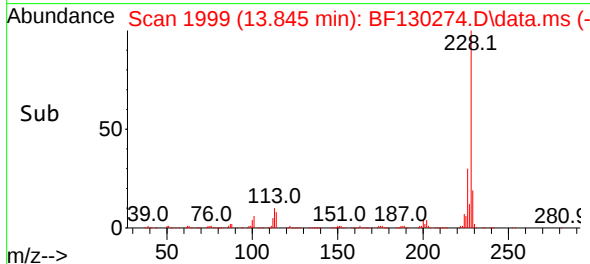
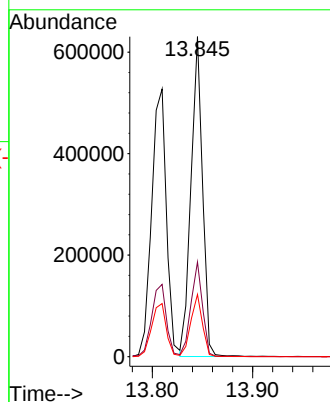
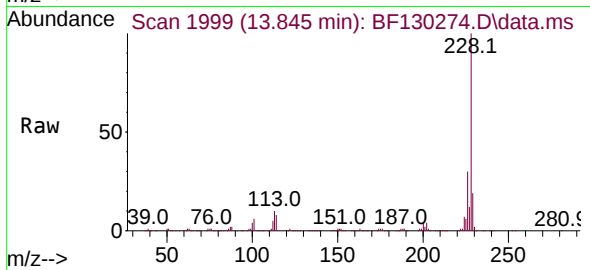
OH-SOIL-0913MS

Tgt Ion:	228	Resp:	504825
Ion Ratio	Lower	Upper	
228	100		
226	29.6	23.8	35.8
229	19.4	15.3	22.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.821 ng

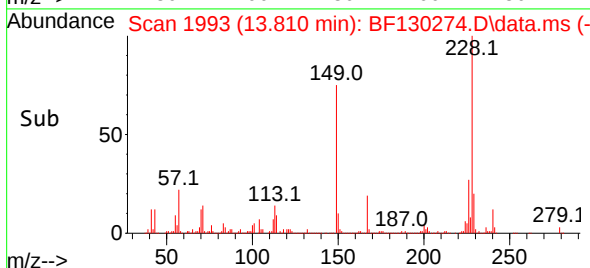
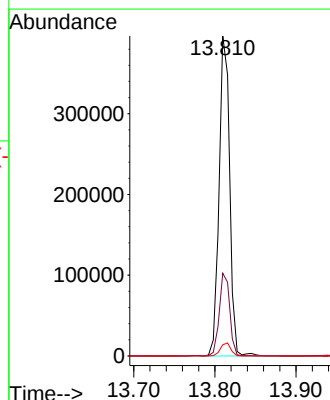
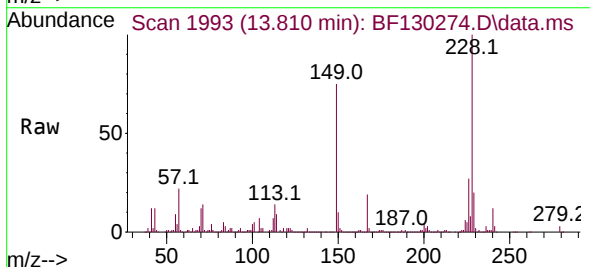
RT: 13.810 min Scan# 1993

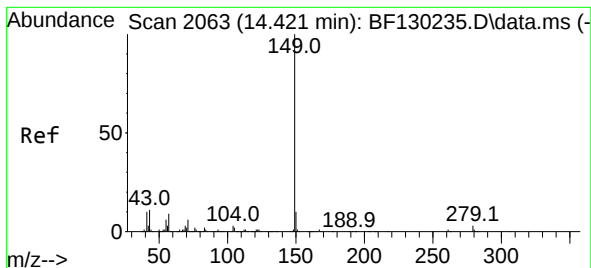
Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

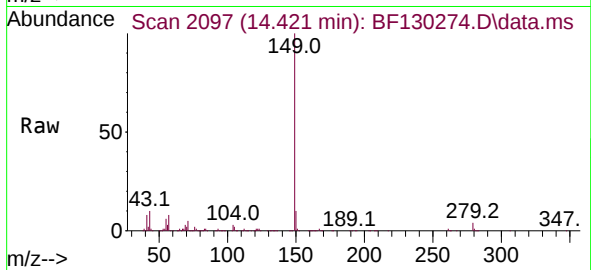
Tgt Ion:	149	Resp:	355972
Ion Ratio	Lower	Upper	
149	100		
167	25.8	20.5	30.7
279	3.5	2.9	4.3





#85
Di-n-octyl phthalate
Concen: 45.928 ng
RT: 14.421 min Scan# 2063
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

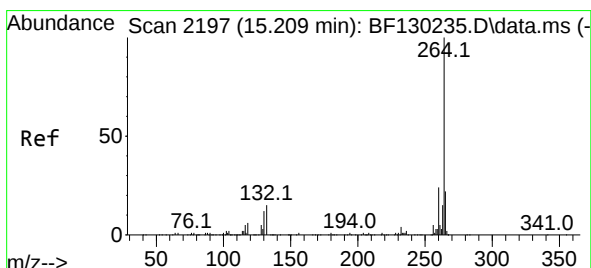
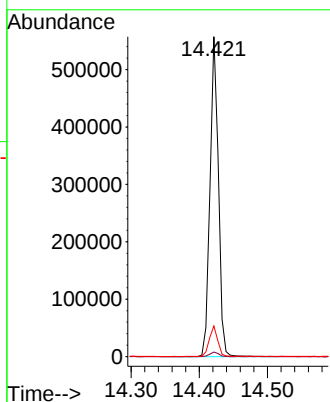
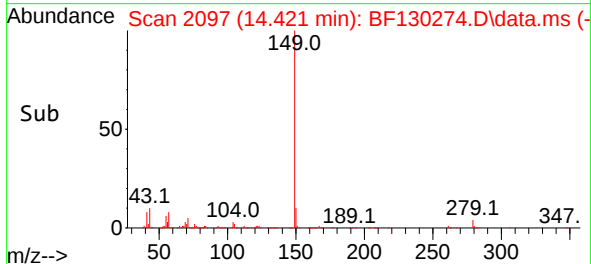
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



Tgt Ion:149 Resp: 473410
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 9.8 8.7 13.1

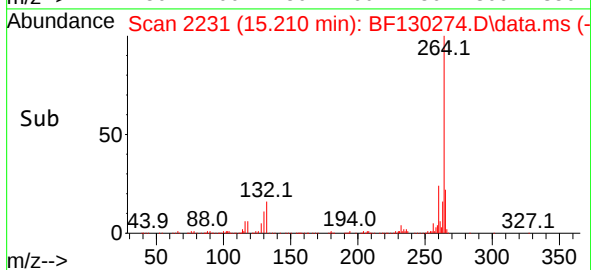
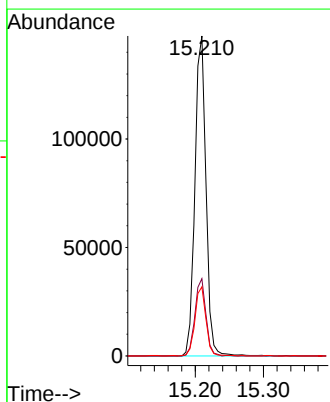
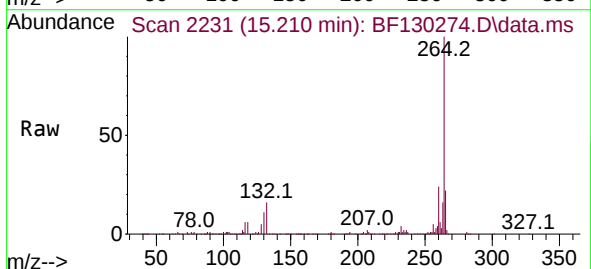
Manual Integrations
APPROVED

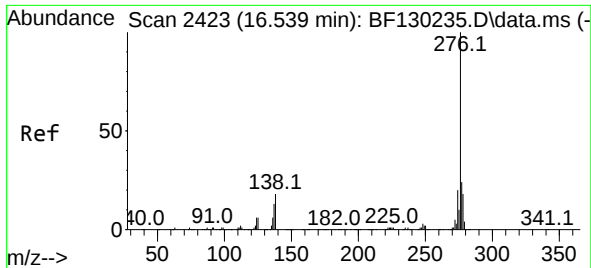
Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.210 min Scan# 2231
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

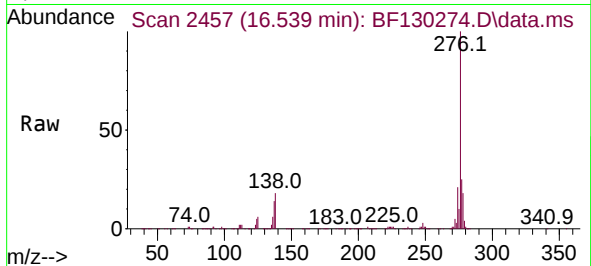
Tgt Ion:264 Resp: 166587
Ion Ratio Lower Upper
264 100
260 24.1 19.3 28.9
265 21.6 17.0 25.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 48.856 ng
 RT: 16.539 min Scan# 2423
 Delta R.T. 0.000 min
 Lab File: BF130274.D
 Acq: 15 Sep 2022 16:42

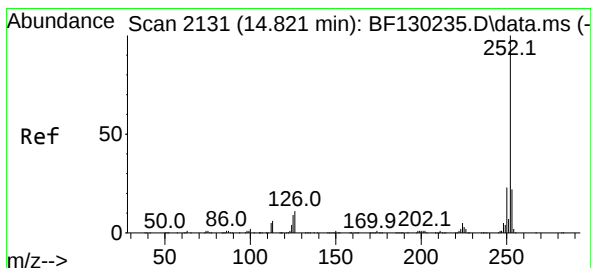
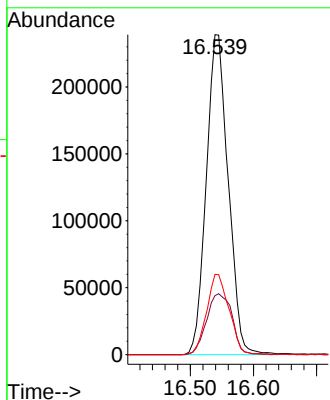
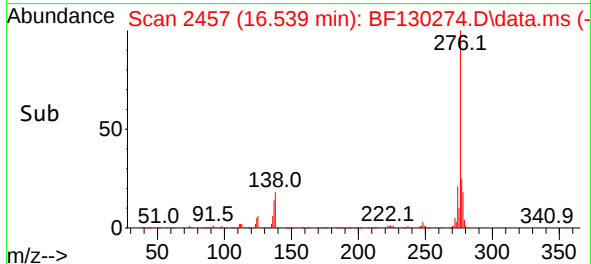
Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MS



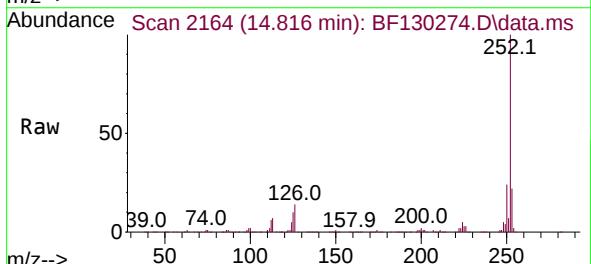
Tgt Ion:276 Resp: 577152
 Ion Ratio Lower Upper
 276 100
 138 22.2 18.5 27.7
 277 25.6 20.2 30.4

Manual Integrations
 APPROVED

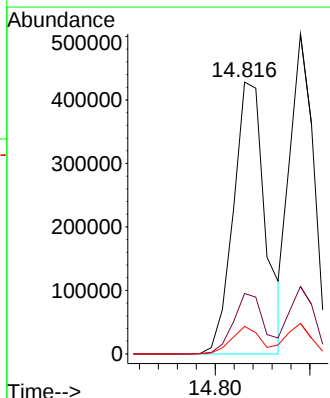
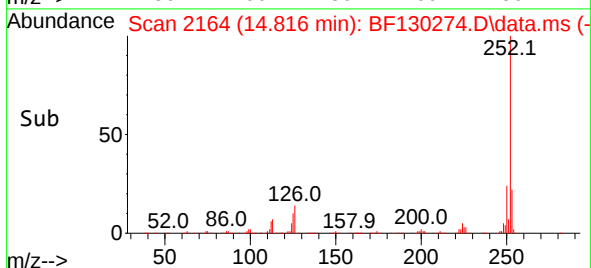
Reviewed By :Christian Giraldo 09/16/2022
 Supervised By :Jagrut Upadhyay 09/16/2022

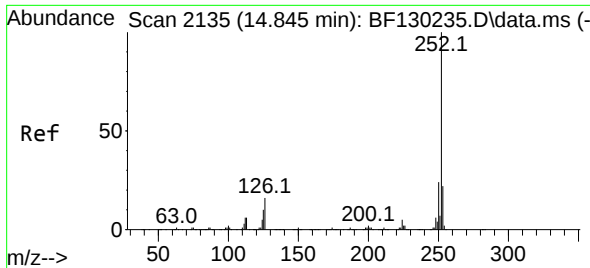


#88
 Benzo(b)fluoranthene
 Concen: 46.131 ng
 RT: 14.816 min Scan# 2164
 Delta R.T. -0.006 min
 Lab File: BF130274.D
 Acq: 15 Sep 2022 16:42



Tgt Ion:252 Resp: 501580
 Ion Ratio Lower Upper
 252 100
 253 22.2 17.7 26.5
 125 10.1 8.1 12.1





#89

Benzo(k)fluoranthene

Concen: 41.760 ng

RT: 14.845 min Scan# 2135

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MS

Tgt Ion:252 Resp: 446660

Ion Ratio Lower Upper

252 100

253 21.1 17.4 26.2

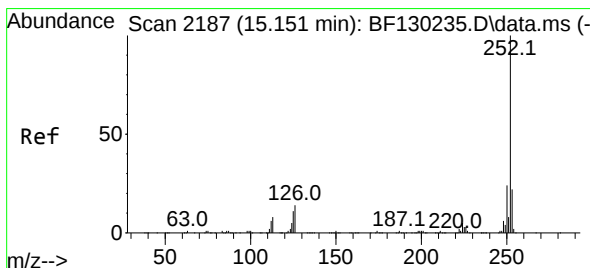
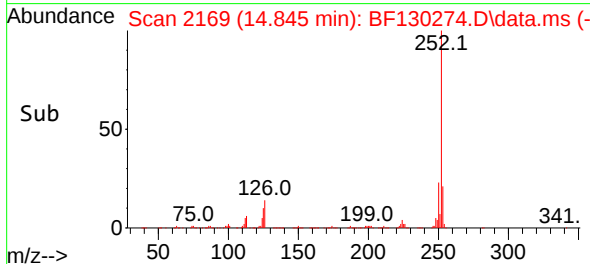
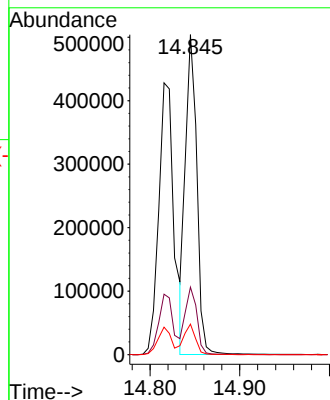
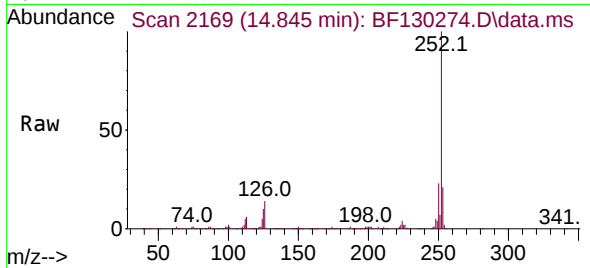
125 9.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 09/16/2022

Supervised By :Jagrut Upadhyay 09/16/2022



#90

Benzo(a)pyrene

Concen: 49.015 ng

RT: 15.151 min Scan# 2221

Delta R.T. 0.000 min

Lab File: BF130274.D

Acq: 15 Sep 2022 16:42

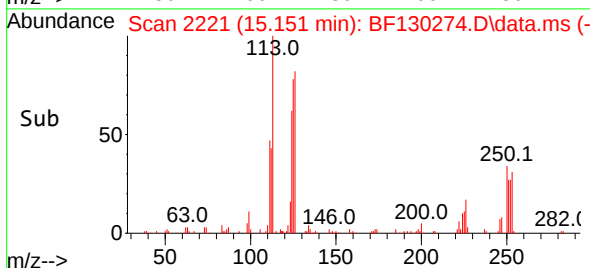
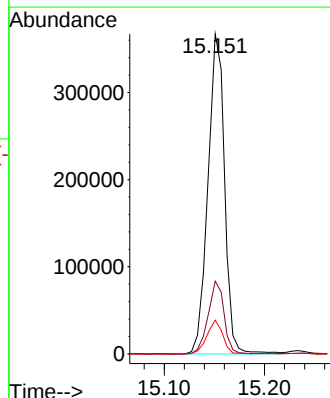
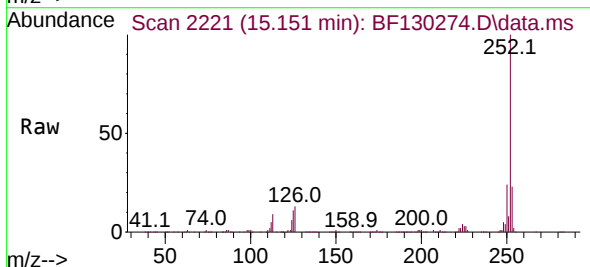
Tgt Ion:252 Resp: 422221

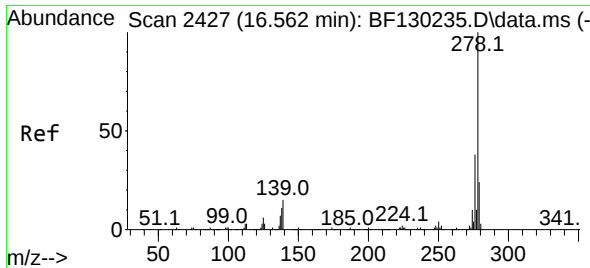
Ion Ratio Lower Upper

252 100

253 22.7 17.8 26.6

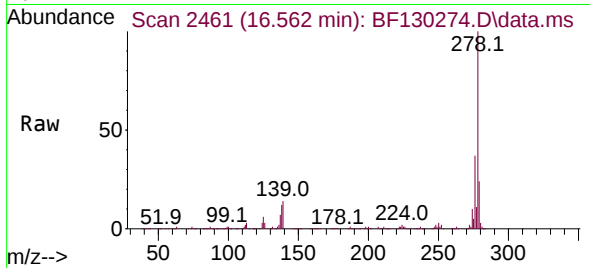
125 10.5 9.0 13.6





#91
Dibenzo(a,h)anthracene
Concen: 51.459 ng
RT: 16.562 min Scan# 2427
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42

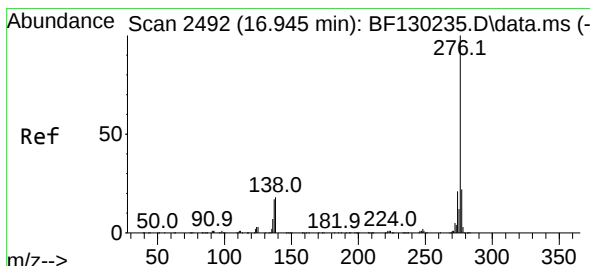
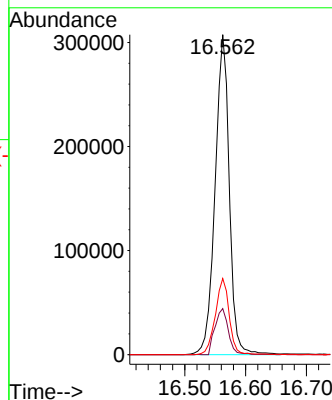
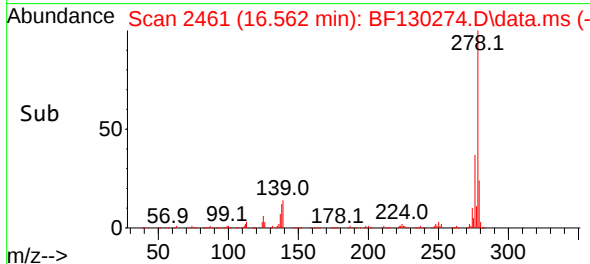
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MS



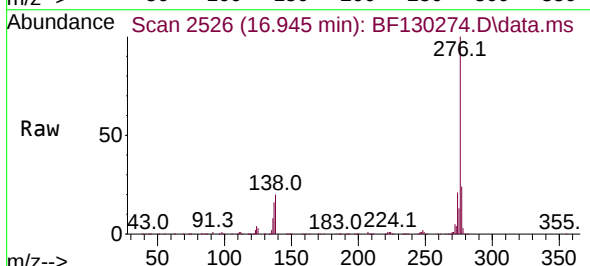
Tgt Ion:278 Resp: 498693
Ion Ratio Lower Upper
278 100
139 14.4 11.8 17.8
279 23.8 19.4 29.0

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 09/16/2022
Supervised By :Jagrut Upadhyay 09/16/2022



#92
Benzo(g,h,i)perylene
Concen: 51.093 ng
RT: 16.945 min Scan# 2526
Delta R.T. 0.000 min
Lab File: BF130274.D
Acq: 15 Sep 2022 16:42



Tgt Ion:276 Resp: 498788
Ion Ratio Lower Upper
276 100
277 23.8 18.6 27.8
138 20.3 14.6 21.8

