

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112222\
 Data File : BF131345.D
 Acq On : 22 Nov 2022 23:21
 Operator : CG\JU
 Sample : N5641-16MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-16MSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/23/2022
 Supervised By : Jagrut Upadhyay 11/23/2022

Quant Time: Nov 23 04:20:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 01:17:52 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	91621	20.000	ng	0.00
21) Naphthalene-d8	8.257	136	330171	20.000	ng	# 0.00
39) Acenaphthene-d10	10.021	164	177397	20.000	ng	0.00
64) Phenanthrene-d10	11.515	188	277262	20.000	ng	0.00
76) Chrysene-d12	14.174	240	179005	20.000	ng	0.00
86) Perylene-d12	15.709	264	196619	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	635061	131.919	ng	0.01
7) Phenol-d6	6.586	99	794888	129.416	ng	0.00
23) Nitrobenzene-d5	7.533	82	519327	79.288	ng	0.00
42) 2,4,6-Tribromophenol	10.816	330	200440	134.302	ng	0.00
45) 2-Fluorobiphenyl	9.333	172	900259	73.830	ng	0.00
79) Terphenyl-d14	13.110	244	715751	65.386	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.857	88	98559	42.944	ng	99
3) Pyridine	3.604	79	257810	40.455	ng	98
4) n-Nitrosodimethylamine	3.575	42	169352	45.063	ng	99
6) Aniline	6.622	93	178998m	22.237	ng	
8) 2-Chlorophenol	6.745	128	271988	49.870	ng	99
9) Benzaldehyde	6.516	77	160120	43.228	ng	94
10) Phenol	6.598	94	325747	47.834	ng	97
11) bis(2-Chloroethyl)ether	6.698	93	264260	46.316	ng	99
12) 1,3-Dichlorobenzene	6.904	146	297474	45.765	ng	97
13) 1,4-Dichlorobenzene	6.980	146	298861	45.249	ng	98
14) 1,2-Dichlorobenzene	7.133	146	287803	47.325	ng	98
15) Benzyl Alcohol	7.104	79	244330	48.515	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.239	45	472256	43.280	ng	98
17) 2-Methylphenol	7.210	107	215822	46.429	ng	99
18) Hexachloroethane	7.480	117	113471	48.026	ng	98
19) n-Nitroso-di-n-propyla...	7.380	70	198320	44.107	ng	96
20) 3+4-Methylphenols	7.363	107	274712	46.286	ng	97
22) Acetophenone	7.375	105	385827	45.909	ng	99
24) Nitrobenzene	7.551	77	304797	44.664	ng	99
25) Isophorone	7.786	82	543859	46.541	ng	100
26) 2-Nitrophenol	7.869	139	127469	55.883	ng	95
27) 2,4-Dimethylphenol	7.898	122	242932	53.626	ng	100
28) bis(2-Chloroethoxy)met...	7.998	93	319722	48.171	ng	99
29) 2,4-Dichlorophenol	8.104	162	229223	46.648	ng	99
30) 1,2,4-Trichlorobenzene	8.192	180	262081	43.054	ng	99
31) Naphthalene	8.280	128	748607	42.547	ng	99
32) Benzoic acid	7.998	122	107052	40.485	ng	89
33) 4-Chloroaniline	8.322	127	46936	6.762	ng	96
34) Hexachlorobutadiene	8.392	225	169030	42.882	ng	98
35) Caprolactam	8.698	113	67024m	51.906	ng	
36) 4-Chloro-3-methylphenol	8.798	107	243371	47.671	ng	95
37) 2-Methylnaphthalene	8.969	142	508579	42.661	ng	100
38) 1-Methylnaphthalene	9.074	142	477416	41.298	ng	100
40) 1,2,4,5-Tetrachloroben...	9.133	216	267294	46.431	ng	99
41) Hexachlorocyclopentadiene	9.122	237	274613	106.113	ng	98
43) 2,4,6-Trichlorophenol	9.245	196	167386	51.255	ng	98

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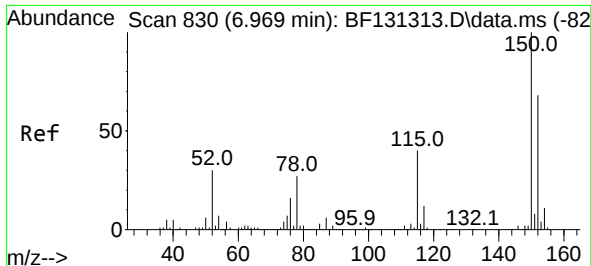
Quant Time: Nov 23 04:20:39 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
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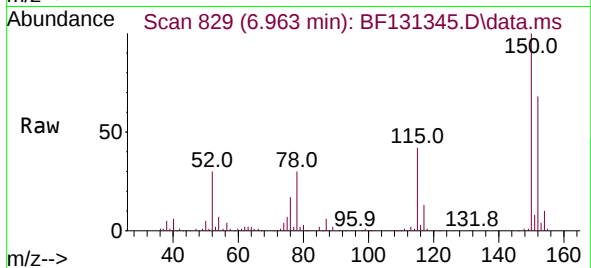
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.280	196	172634	47.010	ng	96
46) 1,1'-Biphenyl	9.439	154	628440	46.422	ng	100
47) 2-Chloronaphthalene	9.463	162	483265	44.501	ng	98
48) 2-Nitroaniline	9.557	65	162554	49.299	ng	99
49) Acenaphthylene	9.880	152	735519	44.430	ng	100
50) Dimethylphthalate	9.739	163	561697	45.445	ng	98
51) 2,6-Dinitrotoluene	9.798	165	121302	49.074	ng	95
52) Acenaphthene	10.057	154	478999	46.208	ng	99
53) 3-Nitroaniline	9.969	138	55036	21.668	ng	95
54) 2,4-Dinitrophenol	10.074	184	74080	69.773	ng	# 83
55) Dibenzofuran	10.227	168	642878	43.107	ng	99
56) 4-Nitrophenol	10.121	139	164123	93.106	ng	99
57) 2,4-Dinitrotoluene	10.204	165	152971	49.186	ng	99
58) Fluorene	10.574	166	489012	42.015	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.339	232	139434	45.593	ng	99
60) Diethylphthalate	10.439	149	527860	45.230	ng	98
61) 4-Chlorophenyl-phenyle...	10.563	204	258514	43.326	ng	98
62) 4-Nitroaniline	10.586	138	103566	40.971	ng	99
63) Azobenzene	10.727	77	516896	41.191	ng	94
65) 4,6-Dinitro-2-methylph...	10.610	198	54863	46.550	ng	86
66) n-Nitrosodiphenylamine	10.680	169	427910	48.434	ng	99
67) 4-Bromophenyl-phenylether	11.057	248	161380	47.490	ng	99
68) Hexachlorobenzene	11.116	284	169918	47.112	ng	99
69) Atrazine	11.210	200	148757	54.687	ng	99
70) Pentachlorophenol	11.310	266	160736	76.899	ng	99
71) Phenanthrene	11.539	178	651678	43.491	ng	99
72) Anthracene	11.592	178	654950	44.476	ng	100
73) Carbazole	11.745	167	542166	43.161	ng	99
74) Di-n-butylphthalate	12.074	149	701520	47.394	ng	100
75) Fluoranthene	12.733	202	613696	38.868	ng	99
77) Benzidine	12.857	184	192354	58.175	ng	97
78) Pyrene	12.968	202	604613	38.283	ng	100
80) Butylbenzylphthalate	13.586	149	228888	43.502	ng	98
81) Benzo(a)anthracene	14.162	228	534094	43.529	ng	99
82) 3,3'-Dichlorobenzidine	14.121	252	83625	25.684	ng	99
83) Chrysene	14.198	228	513787	42.681	ng	99
84) Bis(2-ethylhexyl)phtha...	14.145	149	313857	44.783	ng	99
85) Di-n-octyl phthalate	14.774	149	552800	53.353	ng	98
87) Indeno(1,2,3-cd)pyrene	17.292	276	512270	38.791	ng	100
88) Benzo(b)fluoranthene	15.256	252	572131	43.802	ng	99
89) Benzo(k)fluoranthene	15.286	252	559678	41.695	ng	99
90) Benzo(a)pyrene	15.650	252	511675	47.742	ng	99
91) Dibenzo(a,h)anthracene	17.315	278	437214	40.101	ng	98
92) Benzo(g,h,i)perylene	17.774	276	395235	36.321	ng	100

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

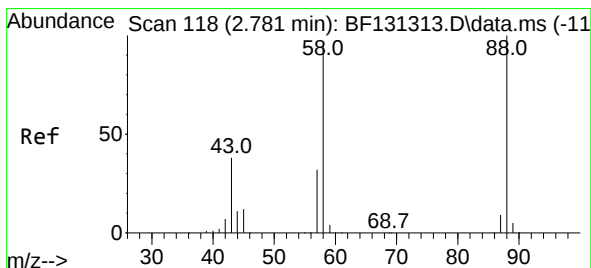
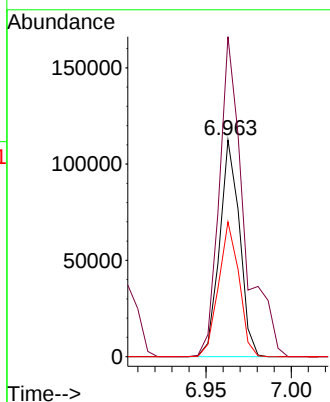
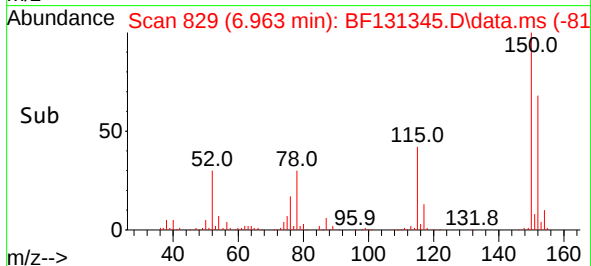
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



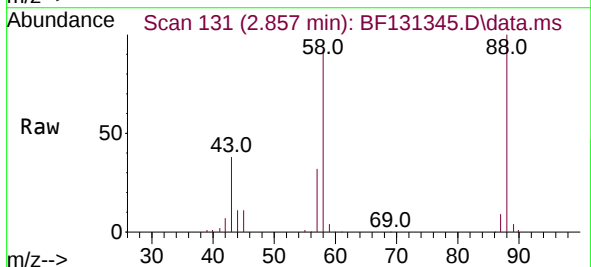
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Ion Ratio Lower Upper
152 100
150 147.8 117.8 176.8
115 62.2 47.1 70.7

Manual Integrations
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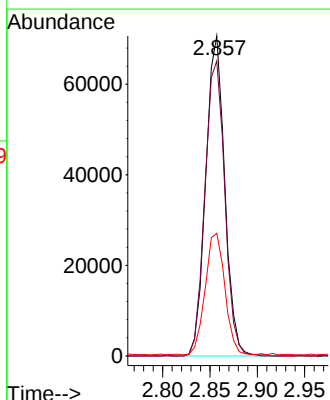
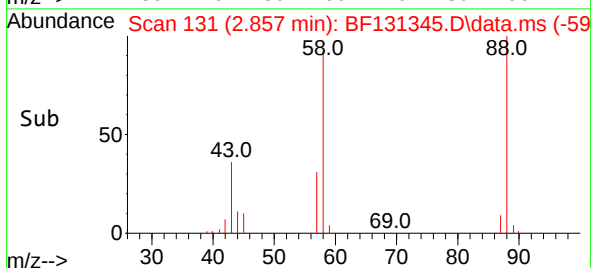
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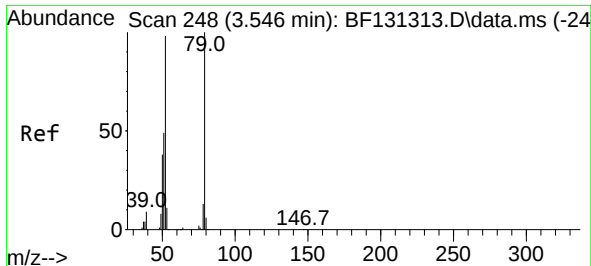


#2
1,4-Dioxane
Concen: 42.944 ng
RT: 2.857 min Scan# 131
Delta R.T. 0.076 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



Tgt Ion: 88 Resp: 98559
Ion Ratio Lower Upper
88 100
58 96.2 78.2 117.4
43 39.4 31.6 47.4





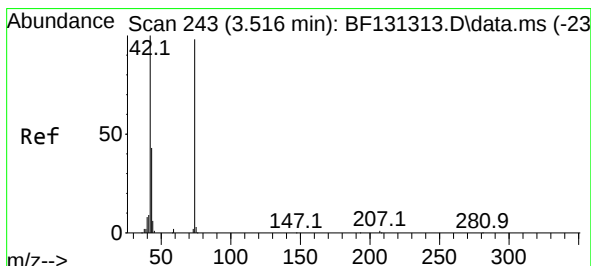
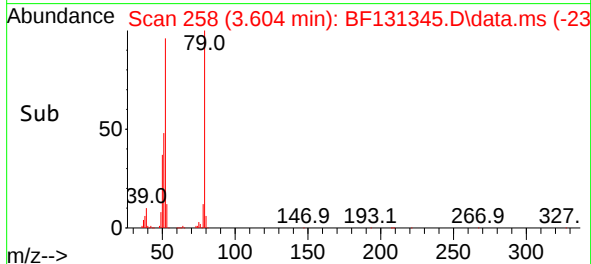
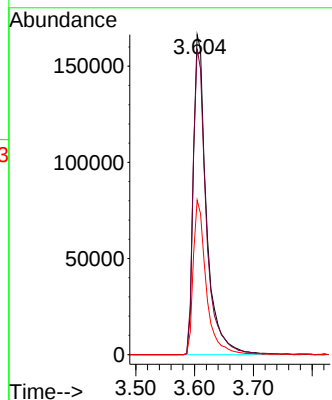
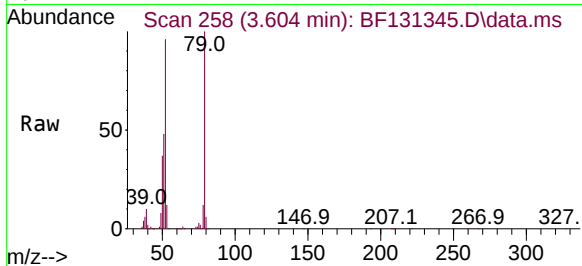
#3
Pyridine
Concen: 40.455 ng
RT: 3.604 min Scan# 21
Delta R.T. 0.059 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD

Tgt Ion: 79 Resp: 257810
Ion Ratio Lower Upper
79 100
52 95.6 78.7 118.1
51 48.3 39.3 58.9

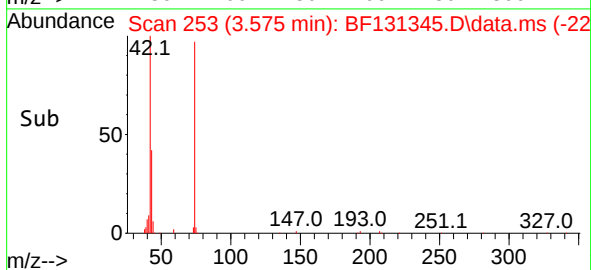
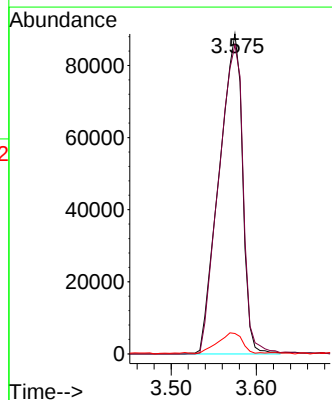
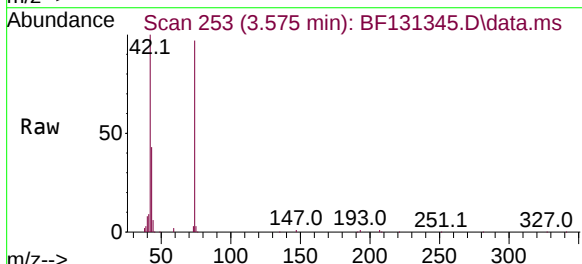
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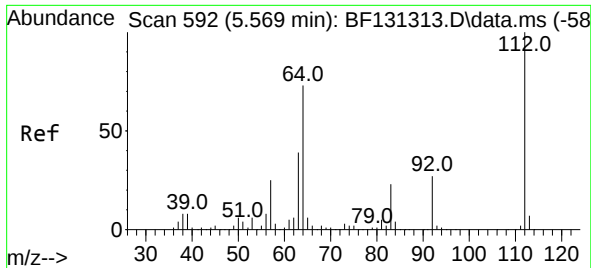
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#4
n-Nitrosodimethylamine
Concen: 45.063 ng
RT: 3.575 min Scan# 253
Delta R.T. 0.059 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Tgt Ion: 42 Resp: 169352
Ion Ratio Lower Upper
42 100
74 96.5 78.0 117.0
44 6.4 5.2 7.8





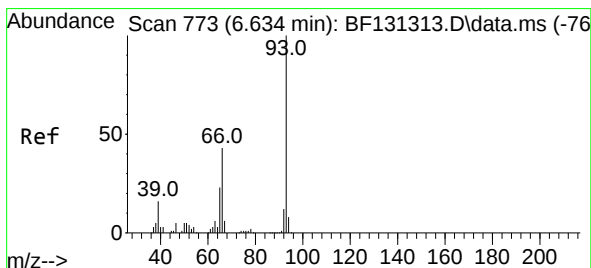
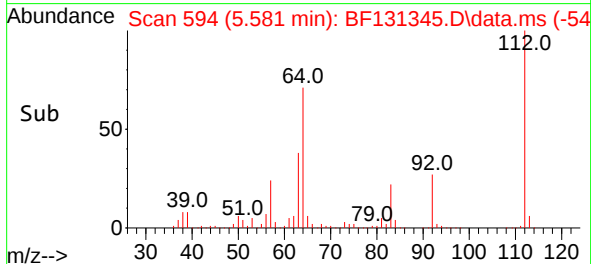
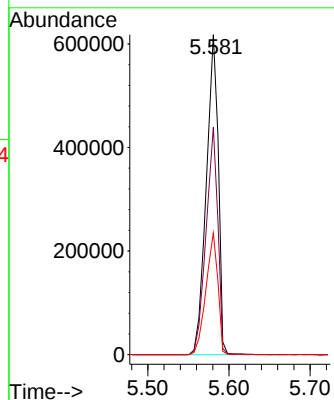
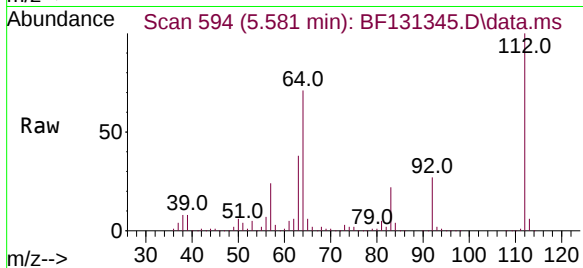
#5
2-Fluorophenol
Concen: 131.919 ng
RT: 5.581 min Scan# 594
Delta R.T. 0.012 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Instrument :
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ClientSampleId :
SOIL-PILE-16MSD

Tgt Ion:112 Resp: 635061
Ion Ratio Lower Upper
112 100
64 71.1 58.6 88.0
63 38.0 31.4 47.0

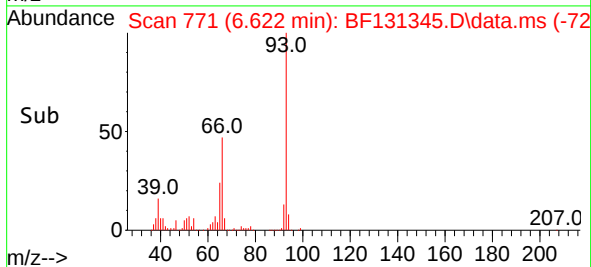
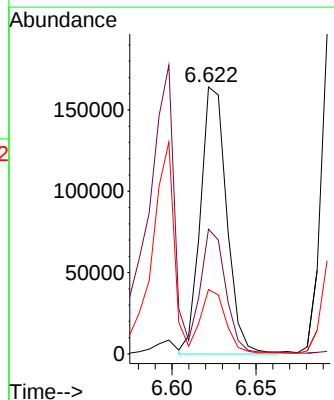
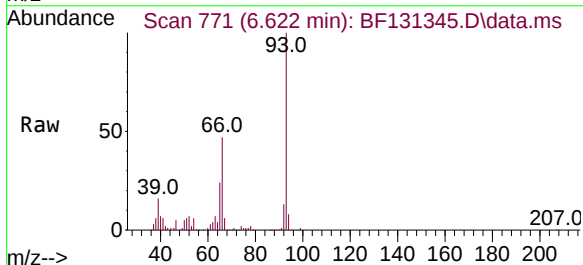
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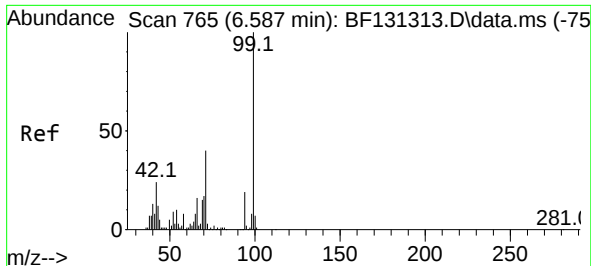
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#6
Aniline
Concen: 22.237 ng m
RT: 6.622 min Scan# 771
Delta R.T. -0.012 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

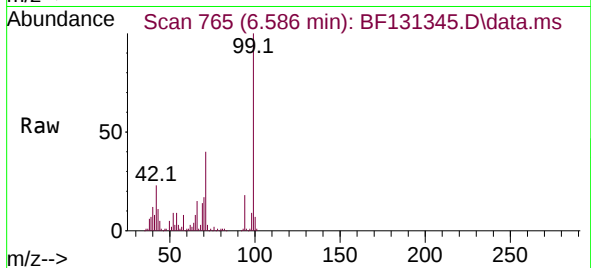
Tgt Ion: 93 Resp: 178998
Ion Ratio Lower Upper
93 100
66 46.7 35.6 53.4
65 24.1 18.4 27.6





#7
Phenol-d6
Concen: 129.416 ng
RT: 6.586 min Scan# 70
Delta R.T. -0.000 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

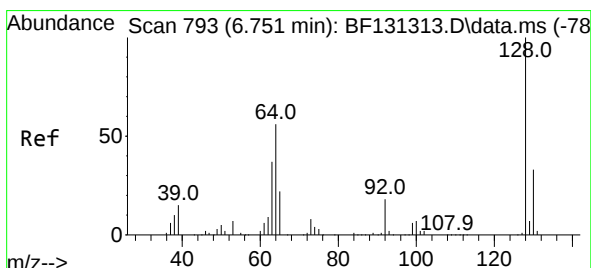
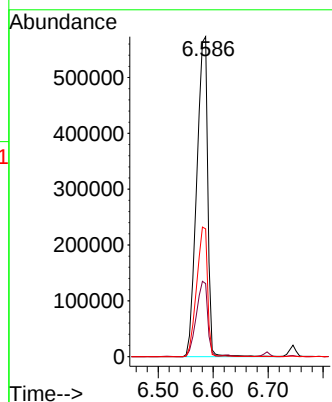
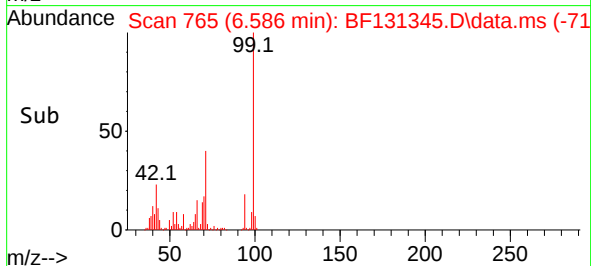
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Tgt Ion: 99 Resp: 794888
Ion Ratio Lower Upper
99 100
42 22.8 19.4 29.2
71 39.9 32.3 48.5

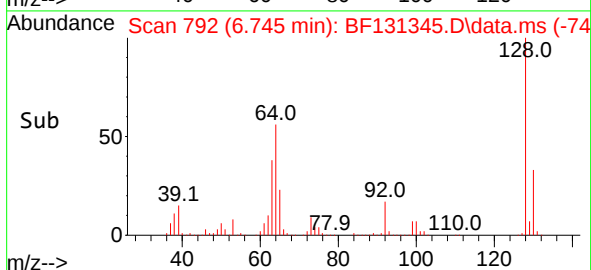
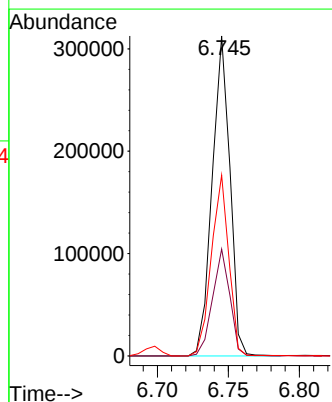
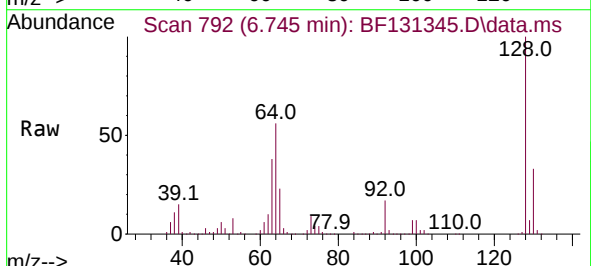
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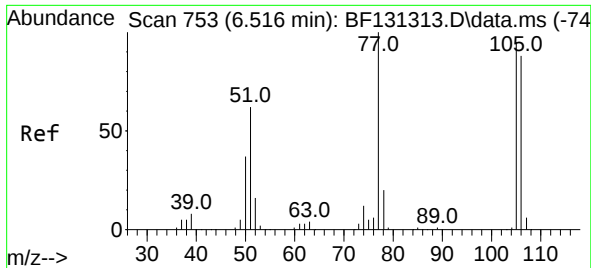
Reviewed By :Christian Giraldo 11/23/2022
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#8
2-Chlorophenol
Concen: 49.870 ng
RT: 6.745 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

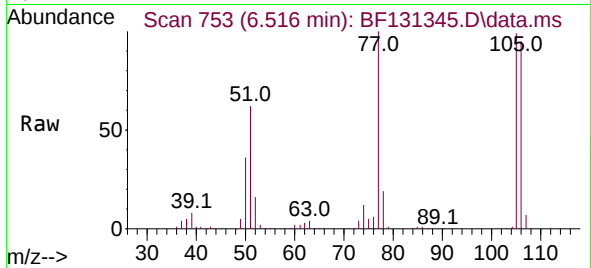
Tgt Ion:128 Resp: 271988
Ion Ratio Lower Upper
128 100
130 33.4 12.5 52.5
64 56.5 36.9 76.9





#9
Benzaldehyde
Concen: 43.228 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.000 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

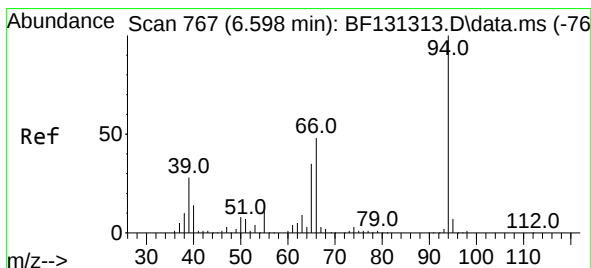
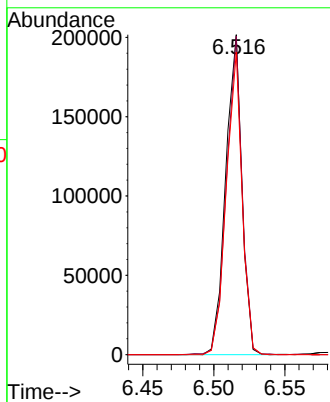
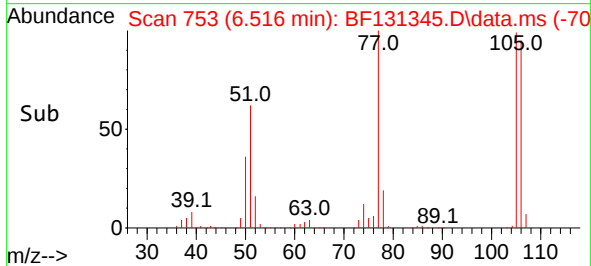
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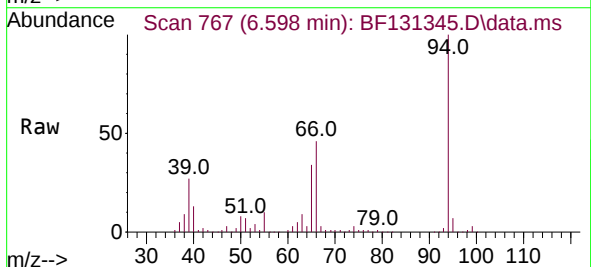
Tgt Ion: 77 Resp: 160120
Ion Ratio Lower Upper
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105 99.5 74.5 114.5
106 94.5 68.1 108.1

Manual Integrations
APPROVED

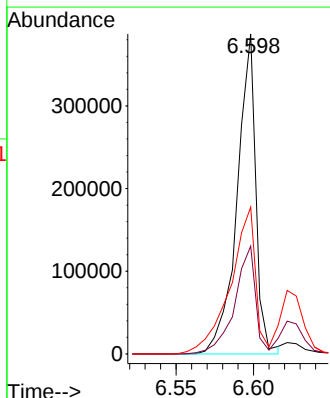
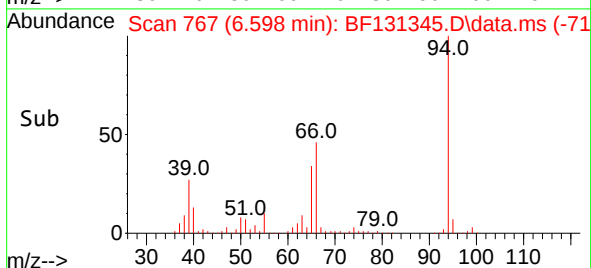
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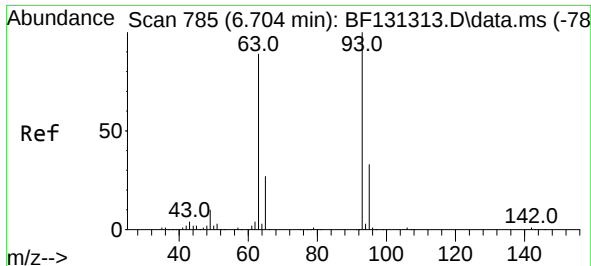


#10
Phenol
Concen: 47.834 ng
RT: 6.598 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



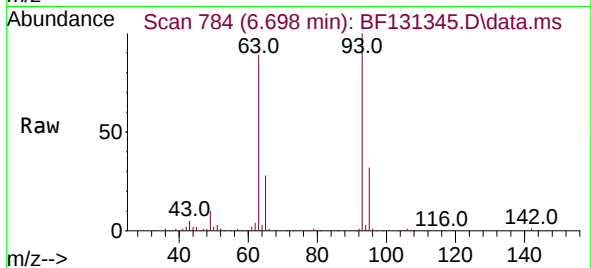
Tgt Ion: 94 Resp: 325747
Ion Ratio Lower Upper
94 100
65 33.7 15.0 55.0
66 45.9 28.6 68.6





#11
bis(2-Chloroethyl)ether
Concen: 46.316 ng
RT: 6.698 min Scan# 784
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

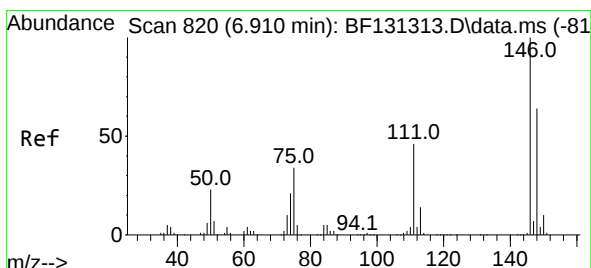
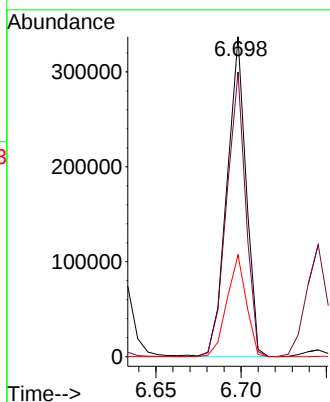
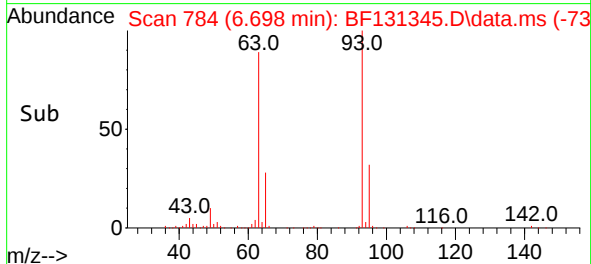
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



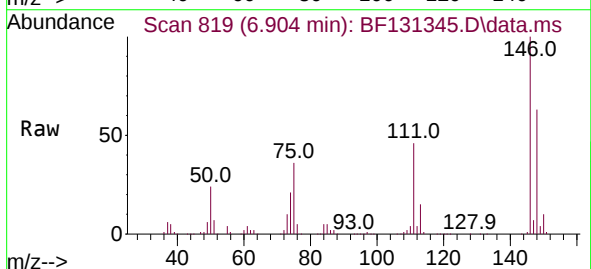
Tgt Ion: 93 Resp: 264260
Ion Ratio Lower Upper
93 100
63 88.9 68.6 108.6
95 31.8 13.1 53.1

Manual Integrations
APPROVED

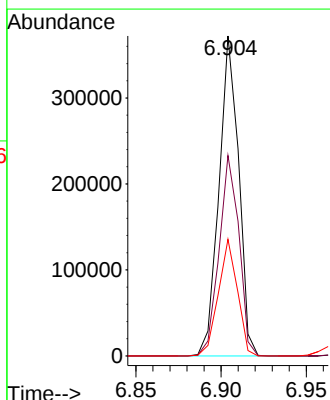
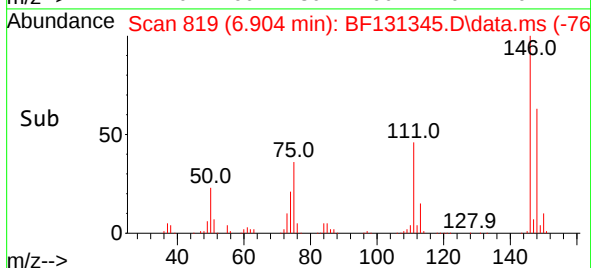
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

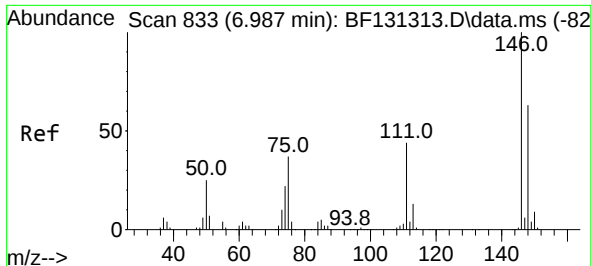


#12
1,3-Dichlorobenzene
Concen: 45.765 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



Tgt Ion:146 Resp: 297474
Ion Ratio Lower Upper
146 100
148 62.6 51.4 77.2
75 36.4 27.6 41.4





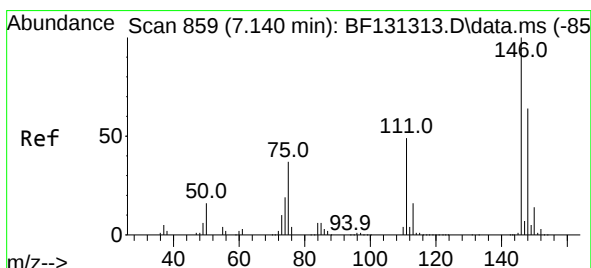
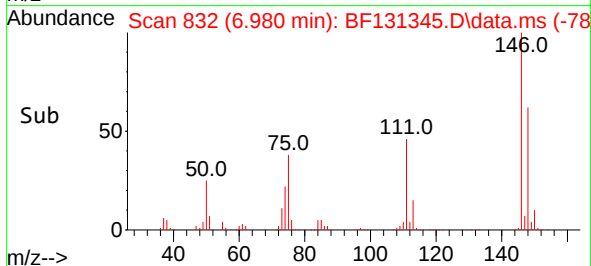
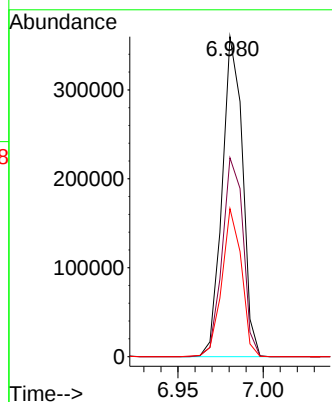
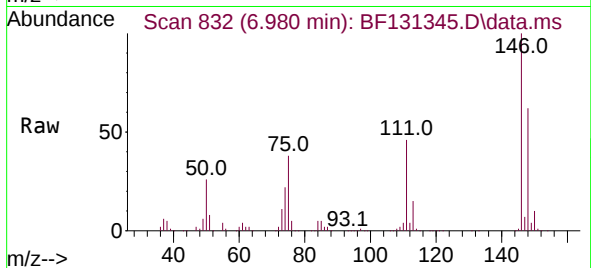
#13
1,4-Dichlorobenzene
Concen: 45.249 ng
RT: 6.980 min Scan# 831
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD

Tgt Ion:146 Resp: 298861
Ion Ratio Lower Upper
146 100
148 62.1 50.2 75.2
111 46.2 35.0 52.6

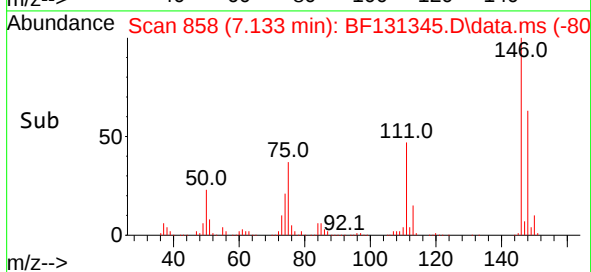
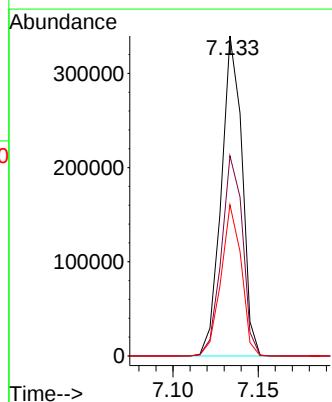
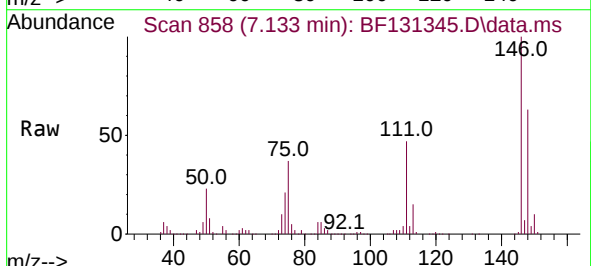
Manual Integrations
APPROVED

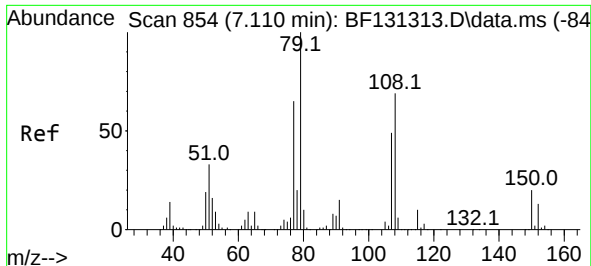
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#14
1,2-Dichlorobenzene
Concen: 47.325 ng
RT: 7.133 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

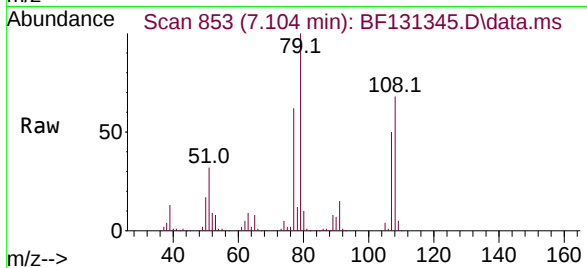
Tgt Ion:146 Resp: 287803
Ion Ratio Lower Upper
146 100
148 62.5 51.4 77.0
111 47.2 39.4 59.0





#15
Benzyl Alcohol
Concen: 48.515 ng
RT: 7.104 min Scan# 853
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

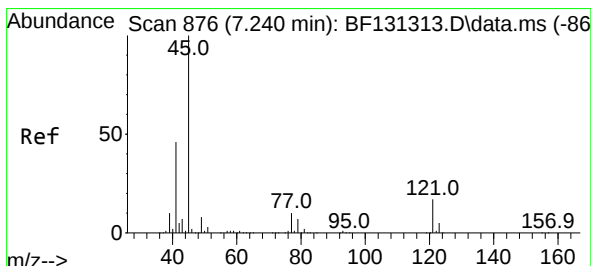
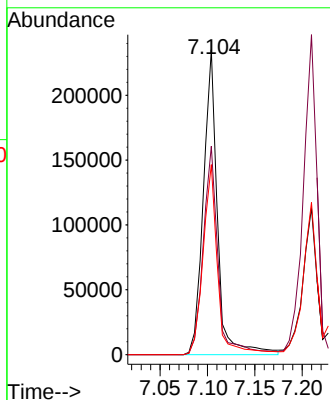
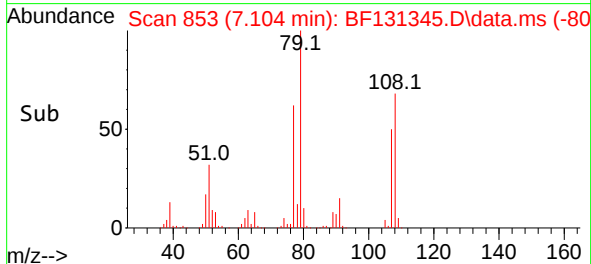
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



Tgt Ion: 79 Resp: 244336
Ion Ratio Lower Upper
79 100
108 68.3 55.1 82.7
77 62.4 51.8 77.8

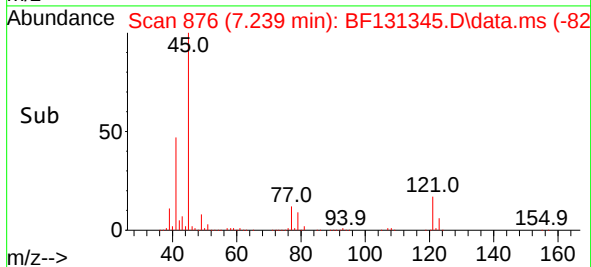
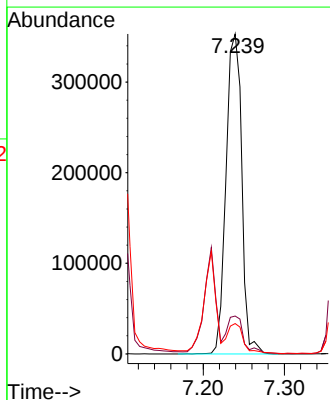
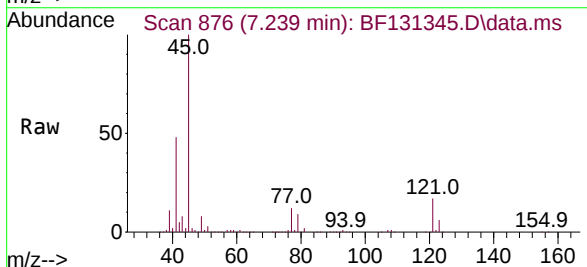
Manual Integrations
APPROVED

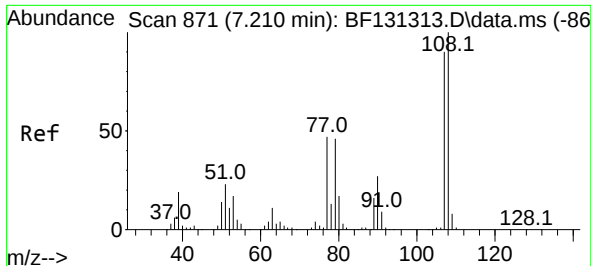
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 43.280 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.000 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

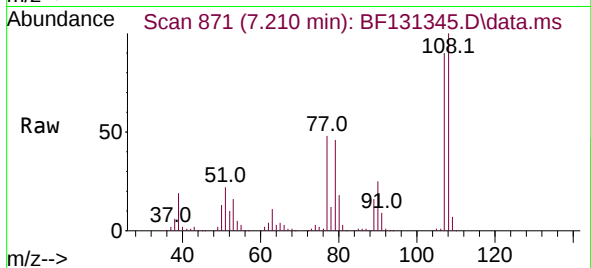
Tgt Ion: 45 Resp: 472256
Ion Ratio Lower Upper
45 100
77 11.8 0.0 31.2
79 9.5 0.0 28.4





#17
2-Methylphenol
Concen: 46.429 ng
RT: 7.210 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

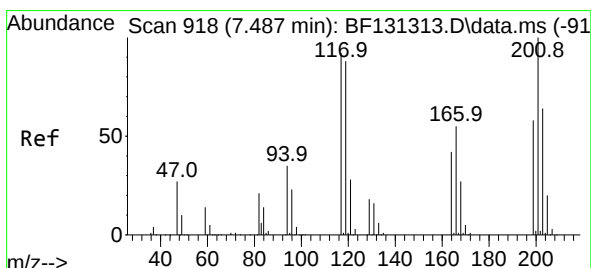
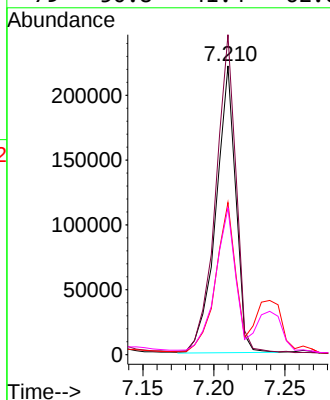
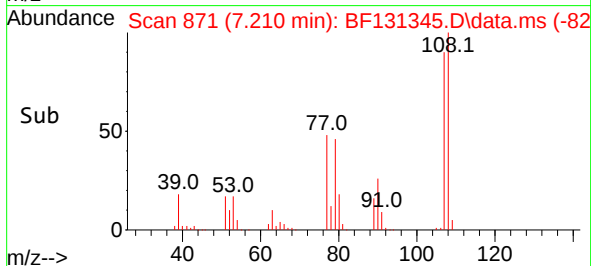
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



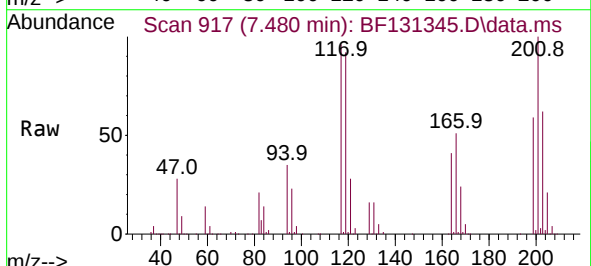
Tgt Ion:	107	Resp:	21582
Ion	Ratio	Lower	Upper
107	100		
108	110.8	89.0	133.6
77	52.7	42.5	63.7
79	50.8	41.4	62.0

Manual Integrations
APPROVED

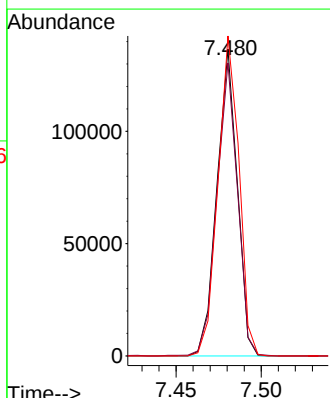
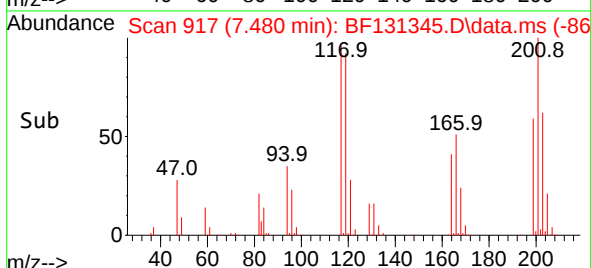
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

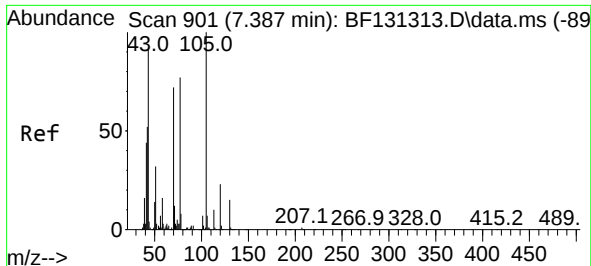


#18
Hexachloroethane
Concen: 48.026 ng
RT: 7.480 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



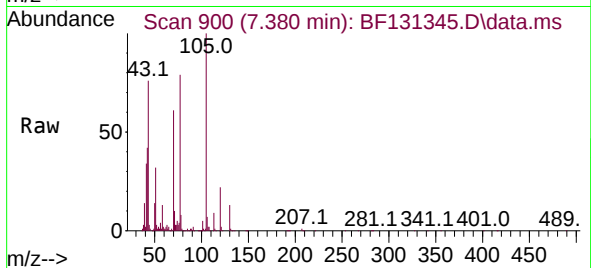
Tgt Ion:	117	Resp:	113471
Ion	Ratio	Lower	Upper
117	100		
119	95.5	76.6	115.0
201	104.3	87.0	130.6





#19
n-Nitroso-di-n-propylamine
Concen: 44.107 ng
RT: 7.380 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

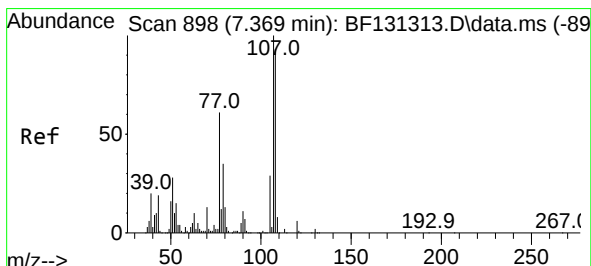
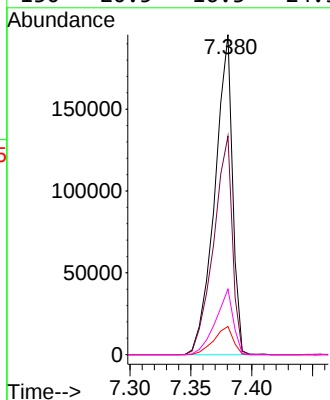
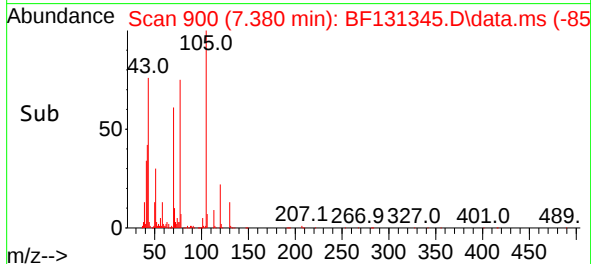
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



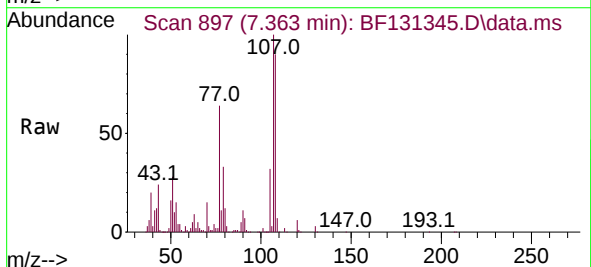
Tgt Ion: 70 Resp: 198320
Ion Ratio Lower Upper
70 100
42 68.3 57.6 86.4
101 8.8 8.2 12.2
130 20.5 16.3 24.5

Manual Integrations
APPROVED

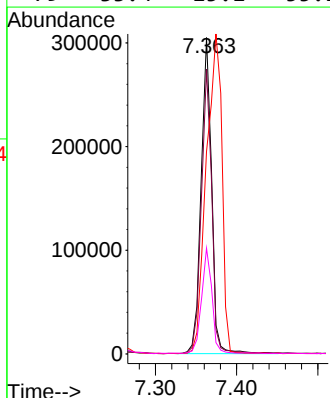
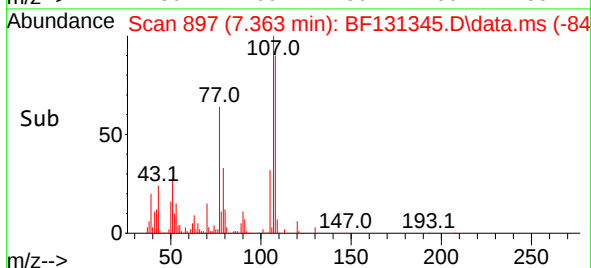
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

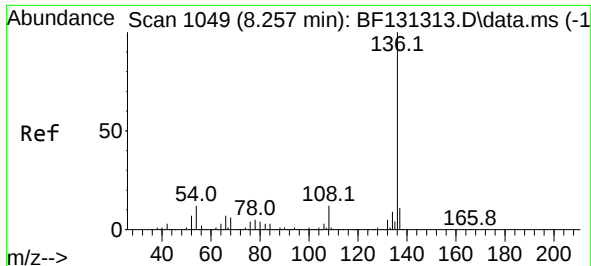


#20
3+4-Methylphenols
Concen: 46.286 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



Tgt Ion:107 Resp: 274712
Ion Ratio Lower Upper
107 100
108 90.0 72.6 112.6
77 63.9 41.4 81.4
79 33.4 15.1 55.1





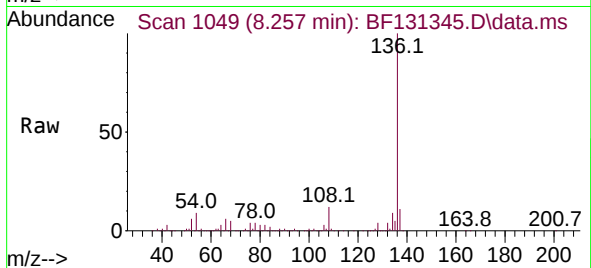
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

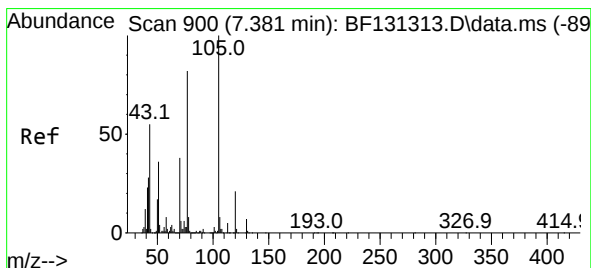
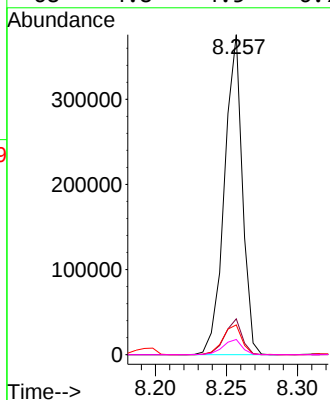
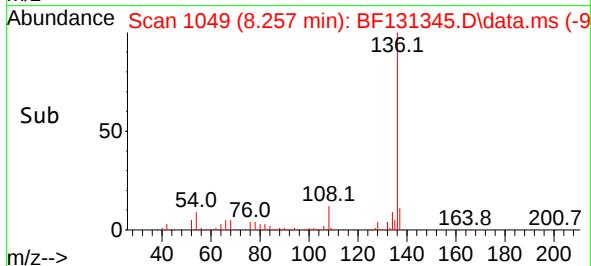


Tgt Ion:136 Resp: 33017
Ion Ratio Lower Upper
136 100
137 11.2 9.0 13.6
54 9.3 9.4 14.0
68 4.8 4.5 6.7

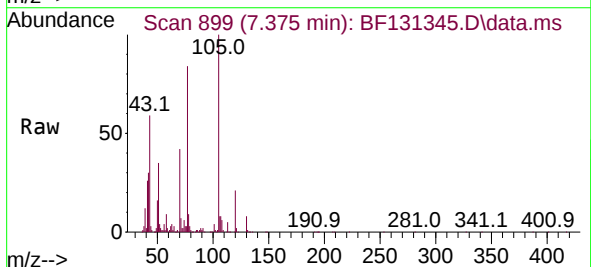
Manual Integrations

APPROVED

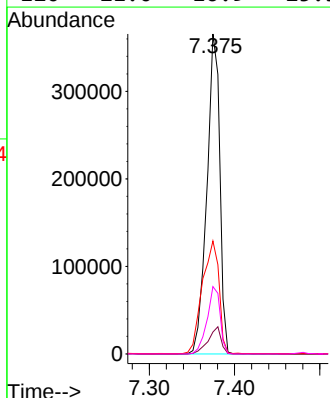
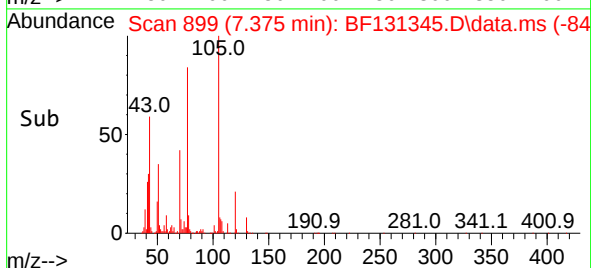
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

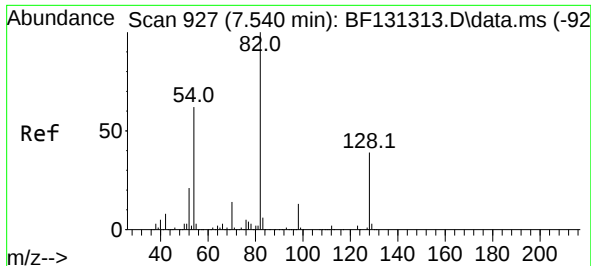


#22
Acetophenone
Concen: 45.909 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



Tgt Ion:105 Resp: 385827
Ion Ratio Lower Upper
105 100
71 6.8 4.9 7.3
51 35.3 29.0 43.4
120 21.0 16.9 25.3





#23

Nitrobenzene-d5

Concen: 79.288 ng

RT: 7.533 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

Tgt Ion: 82 Resp: 51932

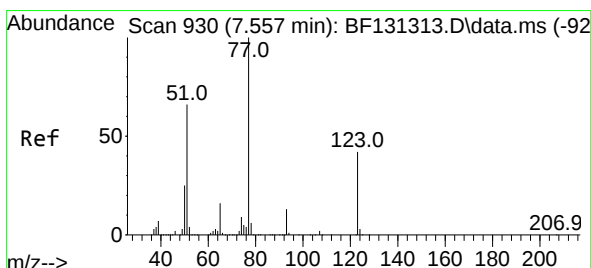
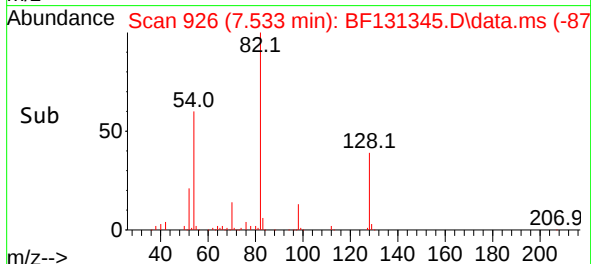
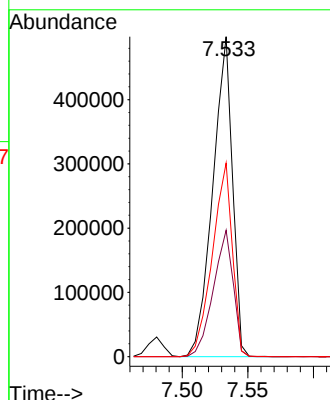
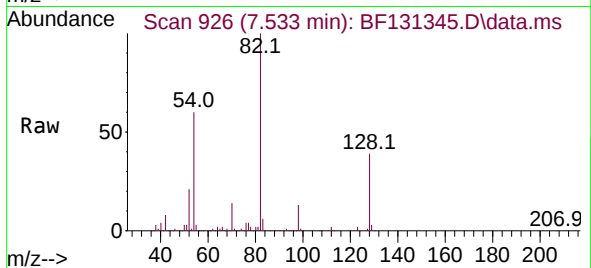
Ion	Ratio	Lower	Upper
82	100		
128	39.5	31.4	47.0
54	60.5	49.8	74.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#24

Nitrobenzene

Concen: 44.664 ng

RT: 7.551 min Scan# 929

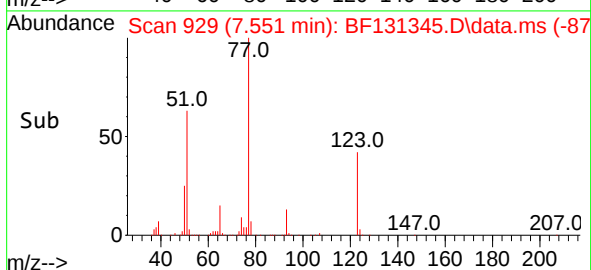
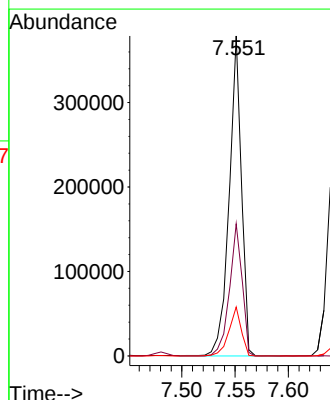
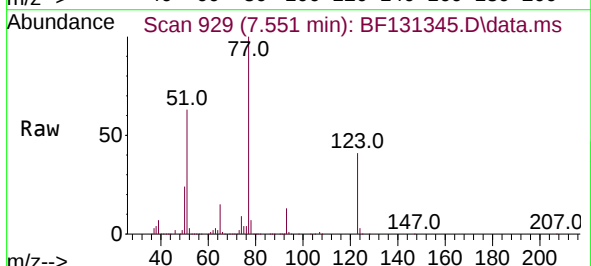
Delta R.T. -0.006 min

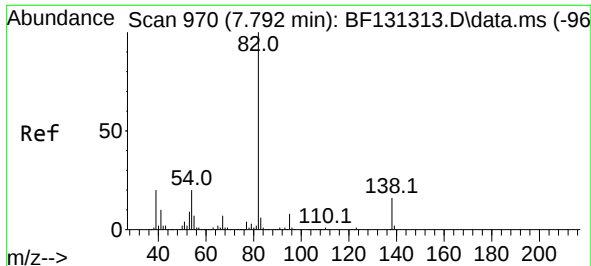
Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Tgt Ion: 77 Resp: 304797

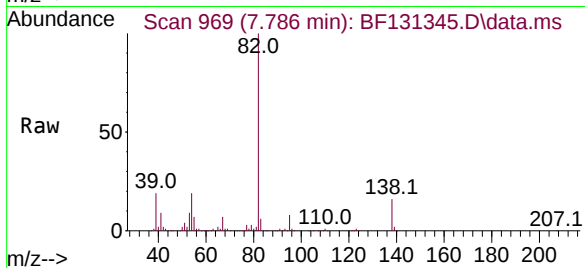
Ion	Ratio	Lower	Upper
77	100		
123	41.3	33.3	49.9
65	15.3	12.7	19.1





#25
Isophorone
Concen: 46.541 ng
RT: 7.786 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

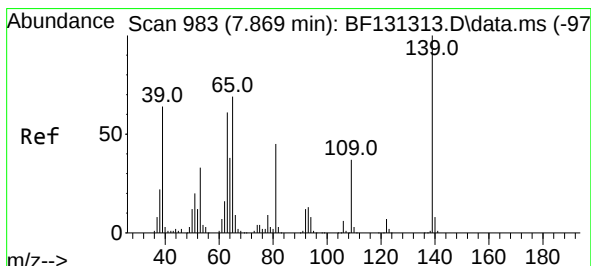
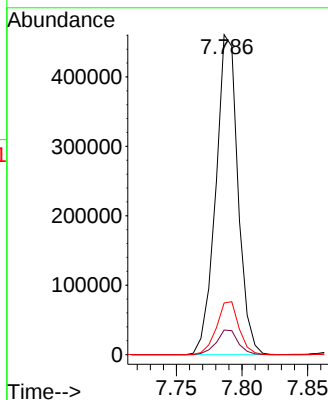
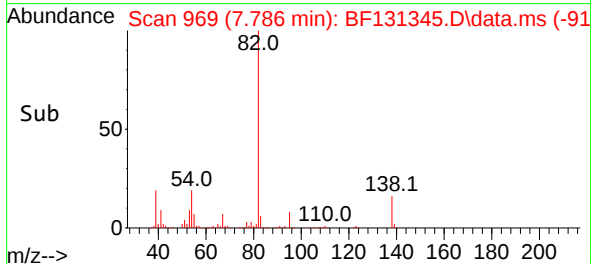
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



Tgt Ion: 82 Resp: 543859
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 16.1 12.7 19.1

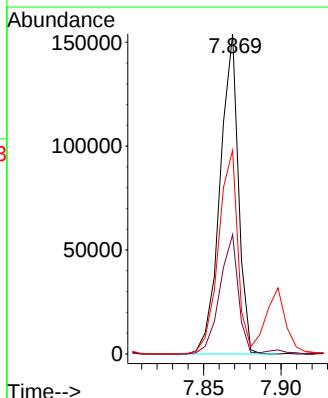
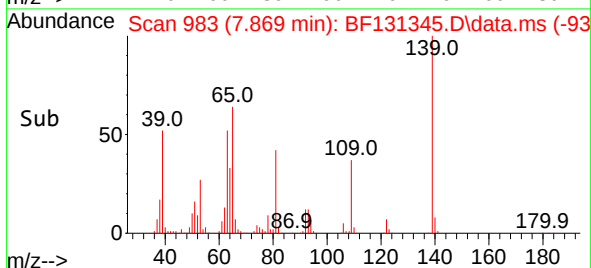
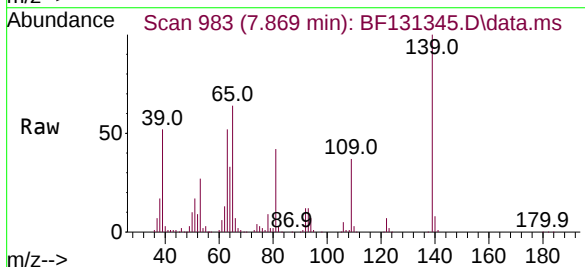
Manual Integrations
APPROVED

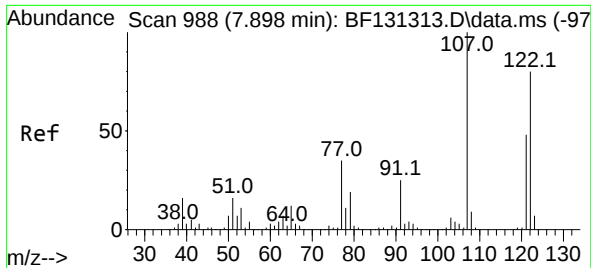
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#26
2-Nitrophenol
Concen: 55.883 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Tgt Ion:139 Resp: 127469
Ion Ratio Lower Upper
139 100
109 37.3 29.9 44.9
65 63.6 55.7 83.5





#27

2,4-Dimethylphenol

Concen: 53.626 ng

RT: 7.898 min Scan# 98

Delta R.T. -0.000 min

Lab File: BF131345.D

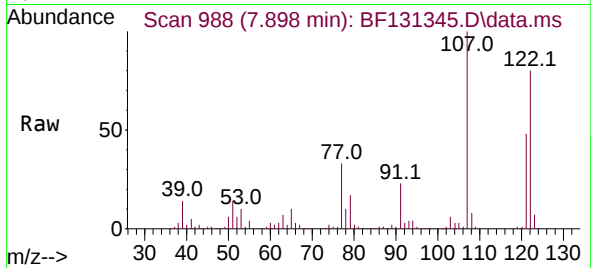
Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

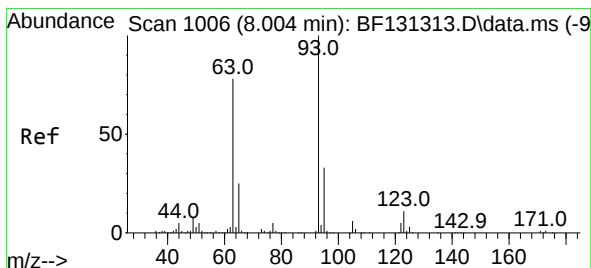
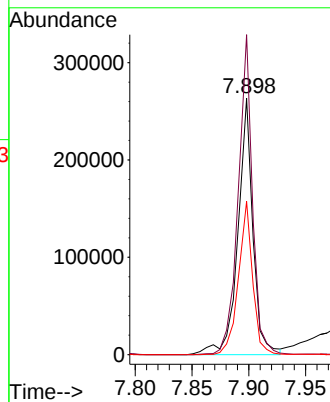
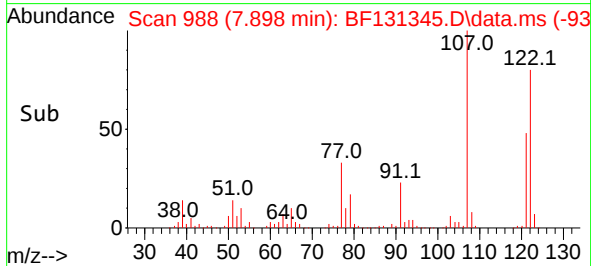


Tgt Ion:	122	Resp:	242932
Ion Ratio	Lower	Upper	
122	100		
107	124.8	99.9	149.9
121	59.7	47.4	71.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#28

bis(2-Chloroethoxy)methane

Concen: 48.171 ng

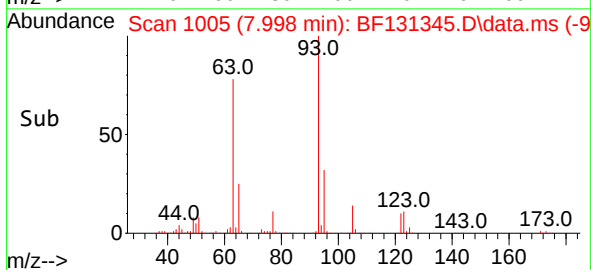
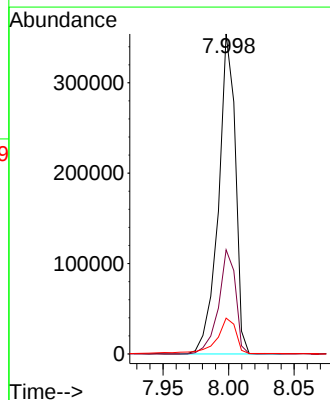
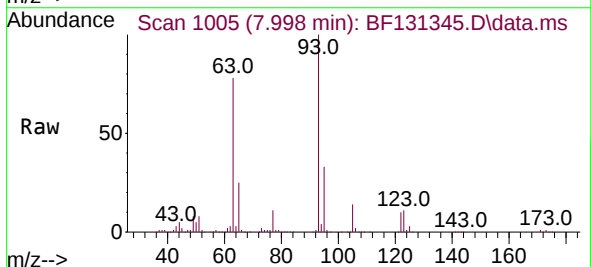
RT: 7.998 min Scan# 1005

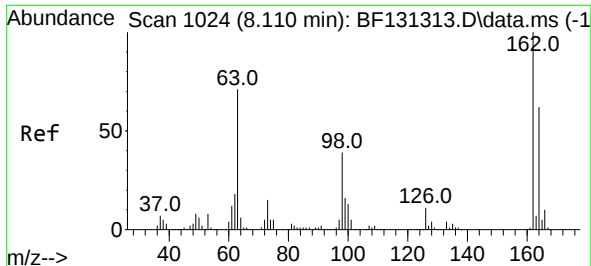
Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Tgt Ion:	93	Resp:	319722
Ion Ratio	Lower	Upper	
93	100		
95	32.5	26.4	39.6
123	11.2	8.8	13.2





#29

2,4-Dichlorophenol

Concen: 46.648 ng

RT: 8.104 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

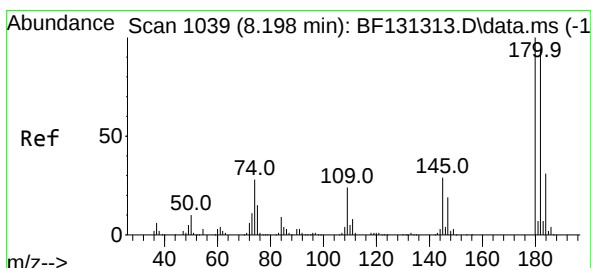
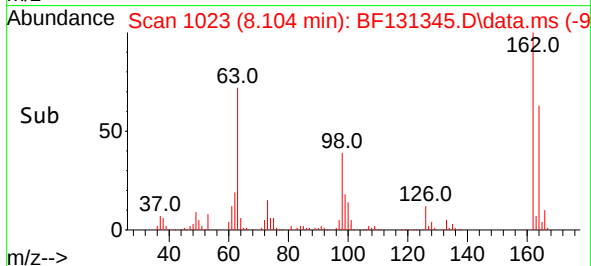
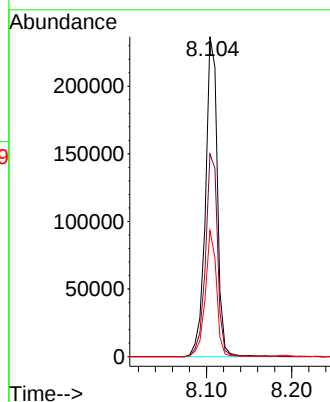
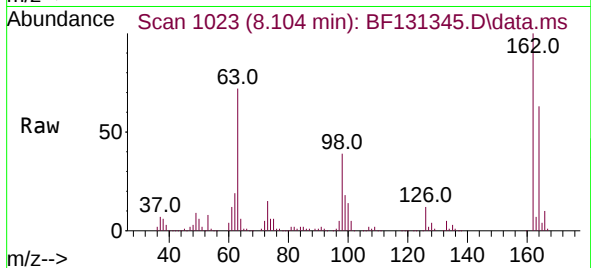
Tgt Ion:162 Resp: 229223

Ion	Ratio	Lower	Upper
162	100		
164	63.3	42.2	82.2
98	39.4	18.8	58.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#30

1,2,4-Trichlorobenzene

Concen: 43.054 ng

RT: 8.192 min Scan# 1038

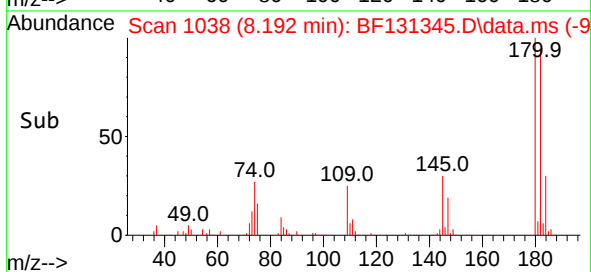
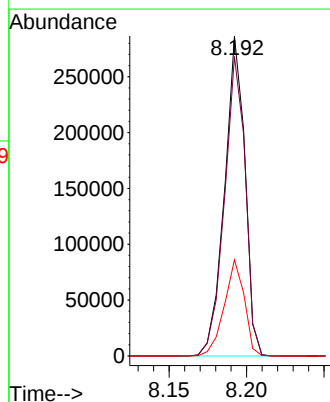
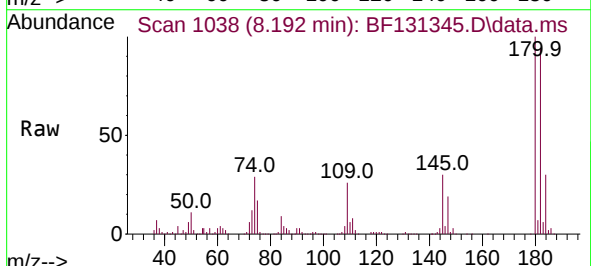
Delta R.T. -0.006 min

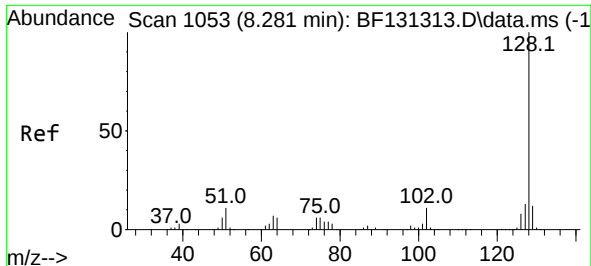
Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Tgt Ion:180 Resp: 262081

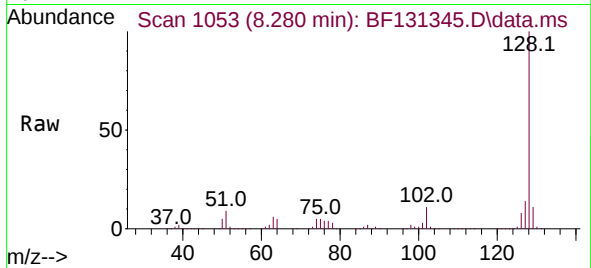
Ion	Ratio	Lower	Upper
180	100		
182	93.5	75.3	112.9
145	30.0	23.4	35.0





#31
Naphthalene
Concen: 42.547 ng
RT: 8.280 min Scan# 1053
Delta R.T. -0.000 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

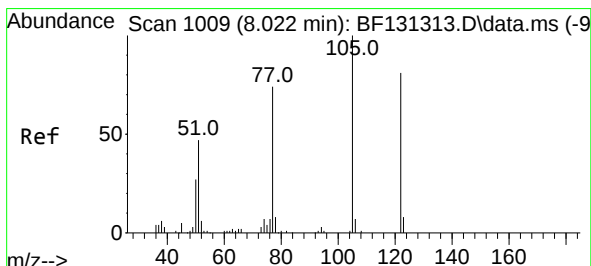
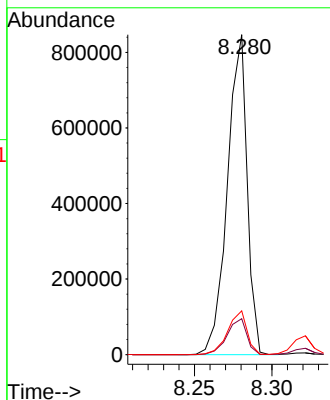
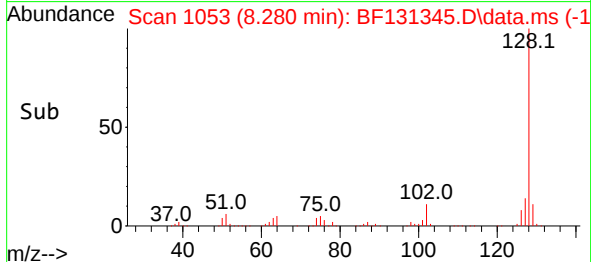
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



Tgt Ion:128 Resp: 748607
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.7 10.6 16.0

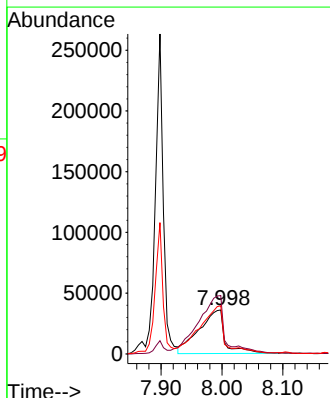
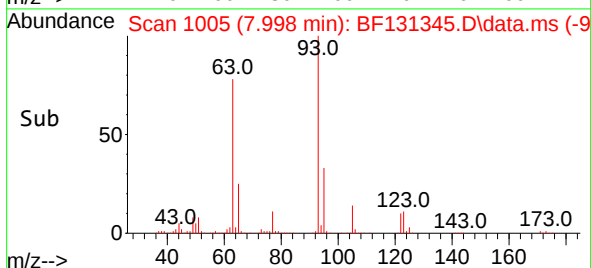
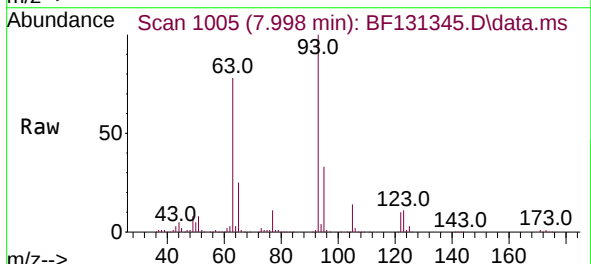
Manual Integrations
APPROVED

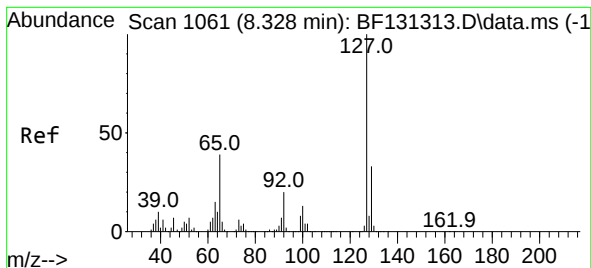
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#32
Benzoic acid
Concen: 40.485 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.024 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Tgt Ion:122 Resp: 107052
Ion Ratio Lower Upper
122 100
105 133.0 103.8 143.8
77 109.6 74.3 114.3





#33

4-Chloroaniline

Concen: 6.762 ng

RT: 8.322 min Scan# 1061

Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

Tgt Ion:127 Resp: 46936

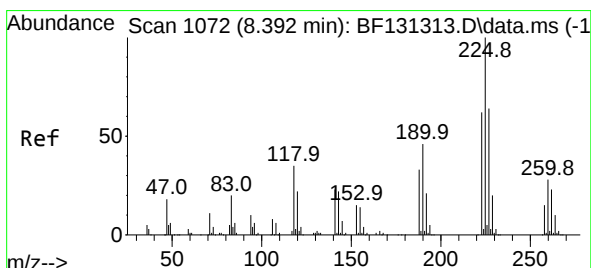
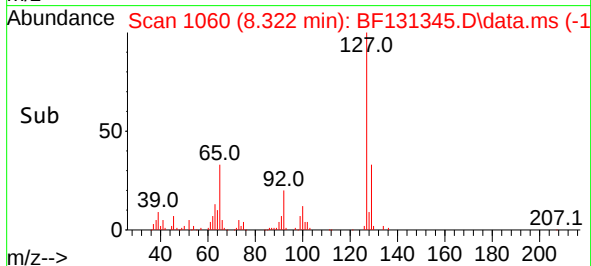
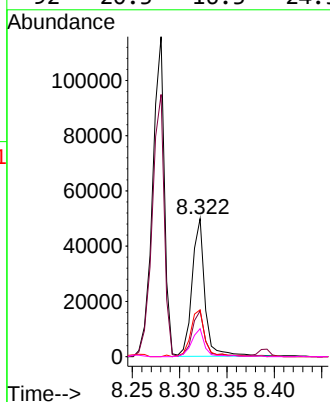
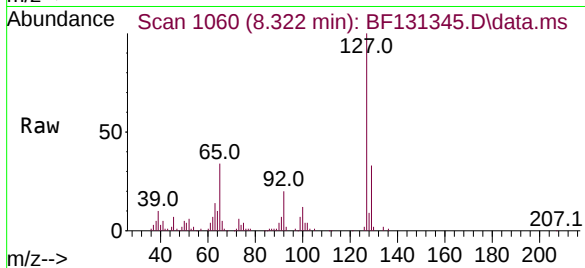
Ion	Ratio	Lower	Upper
127	100		
129	33.1	26.4	39.6
65	33.9	31.0	46.6
92	20.3	16.3	24.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#34

Hexachlorobutadiene

Concen: 42.882 ng

RT: 8.392 min Scan# 1072

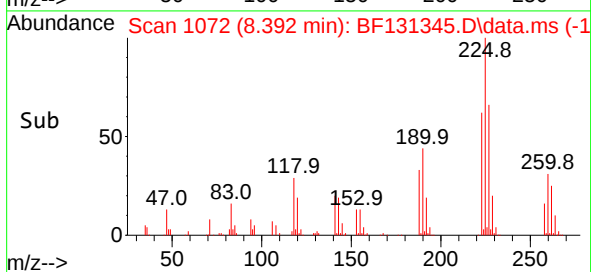
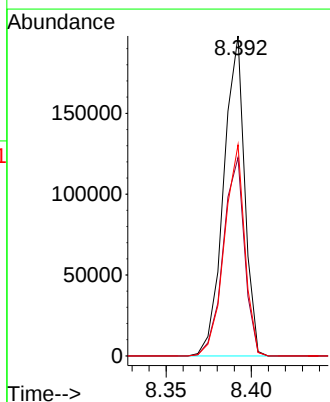
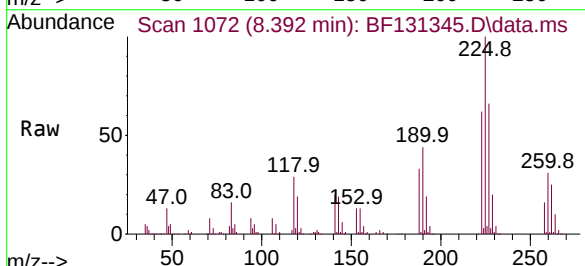
Delta R.T. -0.000 min

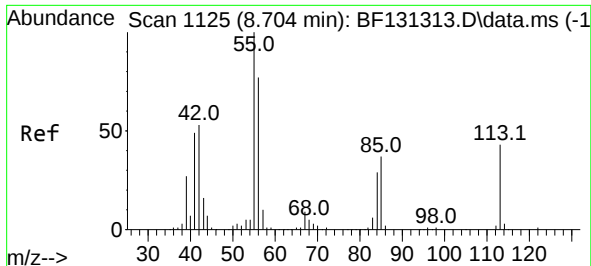
Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Tgt Ion:225 Resp: 169030

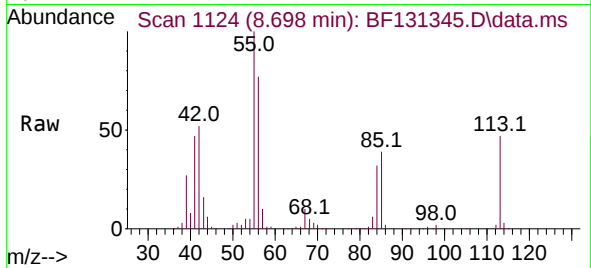
Ion	Ratio	Lower	Upper
225	100		
223	62.0	49.4	74.0
227	66.0	51.1	76.7





#35
Caprolactam
Concen: 51.906 ng m
RT: 8.698 min Scan# 1111
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

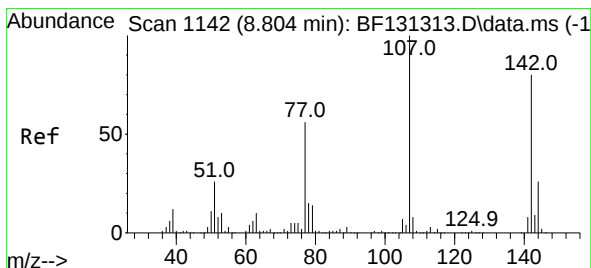
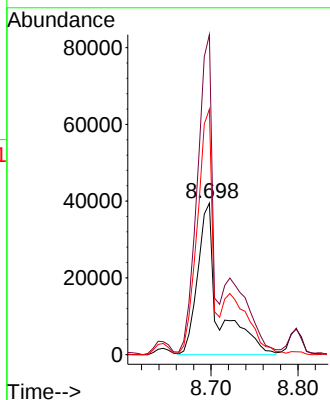
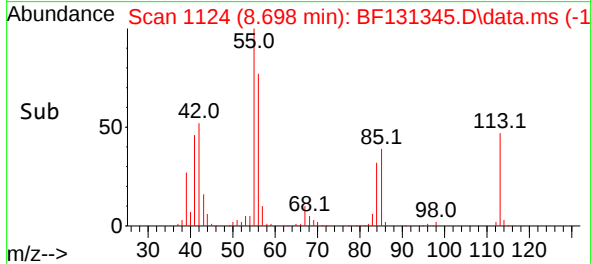
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



Tgt Ion:113 Resp: 67024
Ion Ratio Lower Upper
113 100
55 211.2 214.5 254.5
56 162.0 159.4 199.4

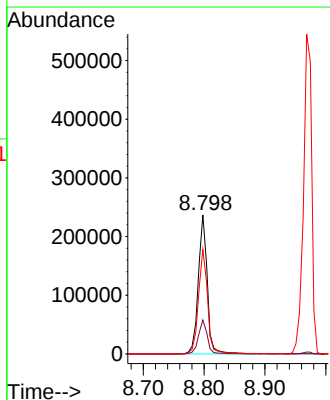
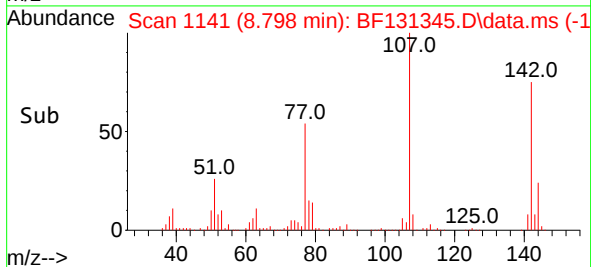
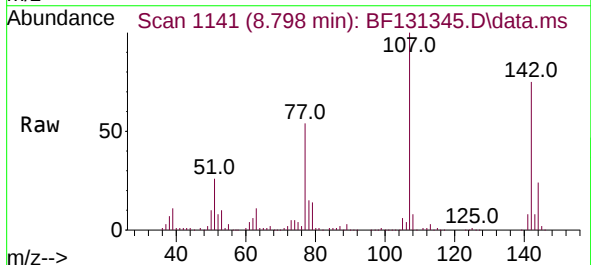
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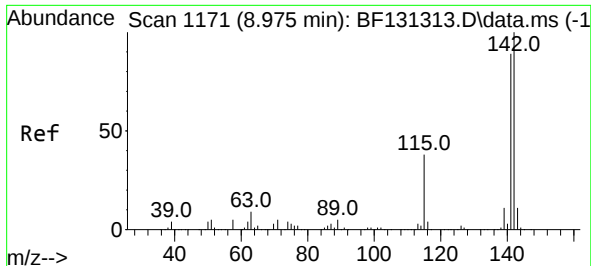
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#36
4-Chloro-3-methylphenol
Concen: 47.671 ng
RT: 8.798 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Tgt Ion:107 Resp: 243371
Ion Ratio Lower Upper
107 100
144 24.3 20.9 31.3
142 75.3 63.9 95.9





#37

2-Methylnaphthalene

Concen: 42.661 ng

RT: 8.969 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

Tgt Ion:142 Resp: 508579

Ion Ratio Lower Upper

142 100

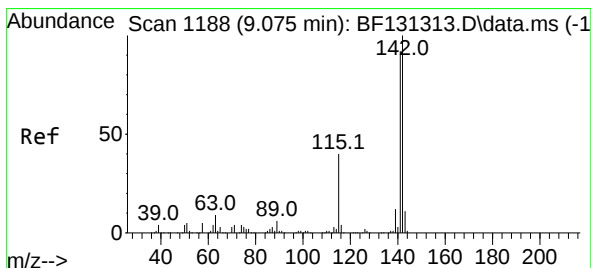
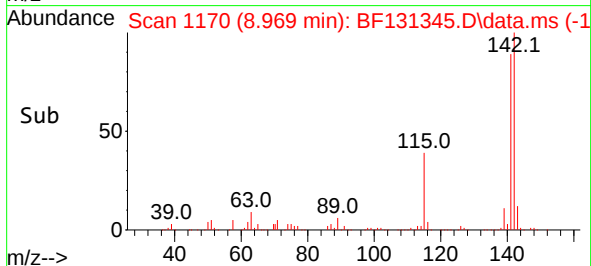
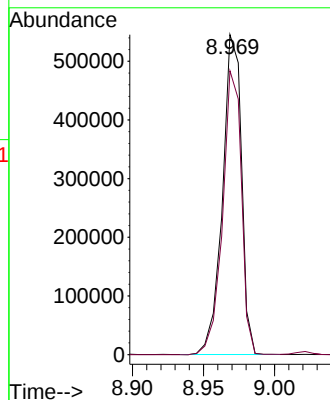
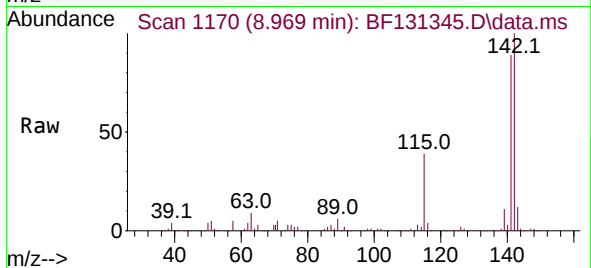
141 88.7 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#38

1-Methylnaphthalene

Concen: 41.298 ng

RT: 9.074 min Scan# 1188

Delta R.T. -0.000 min

Lab File: BF131345.D

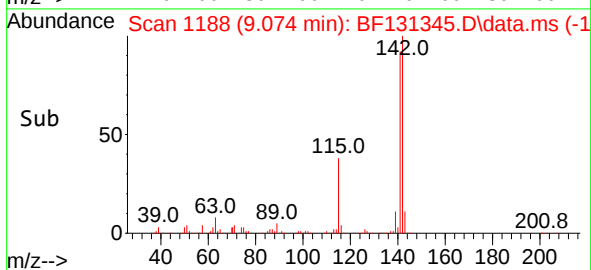
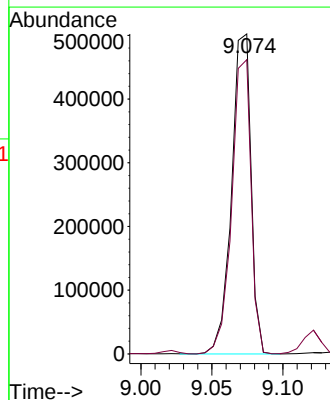
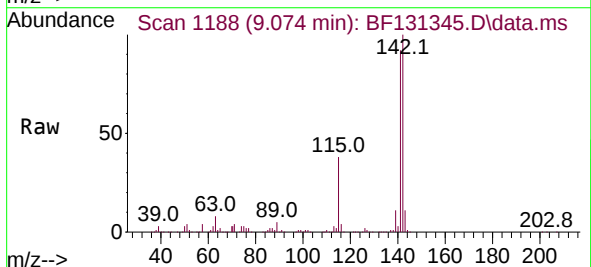
Acq: 22 Nov 2022 23:21

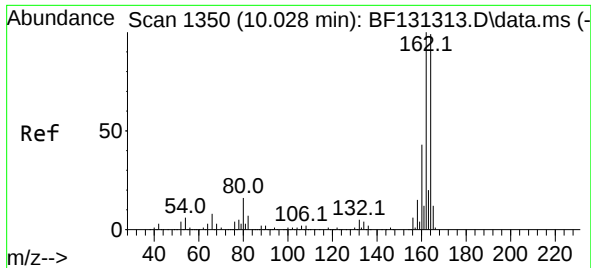
Tgt Ion:142 Resp: 477416

Ion Ratio Lower Upper

142 100

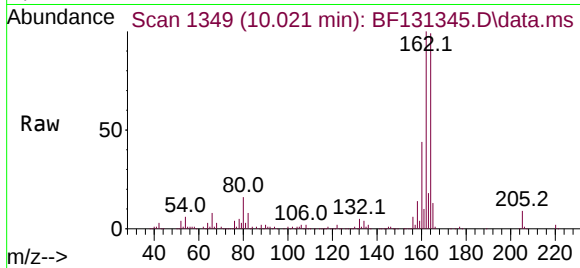
141 91.9 73.4 110.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.021 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

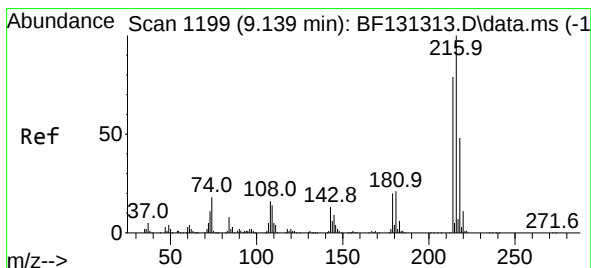
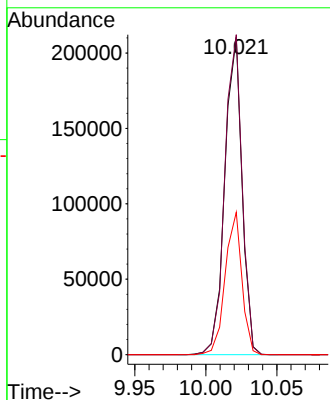
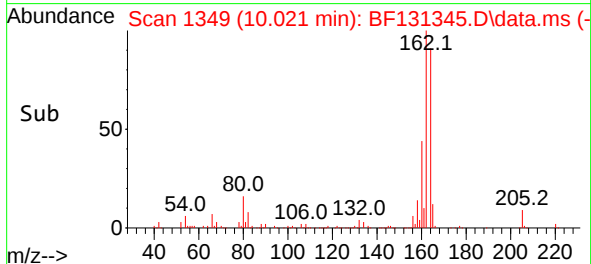
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



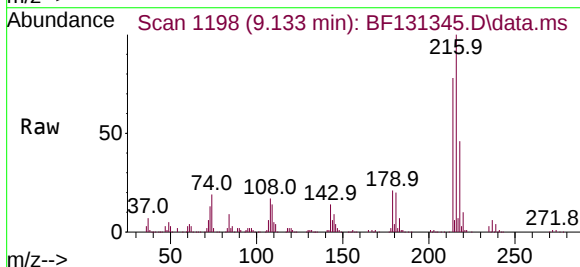
Tgt Ion:164 Resp: 177392
Ion Ratio Lower Upper
164 100
162 100.8 80.6 120.8
160 44.9 34.4 51.6

Manual Integrations
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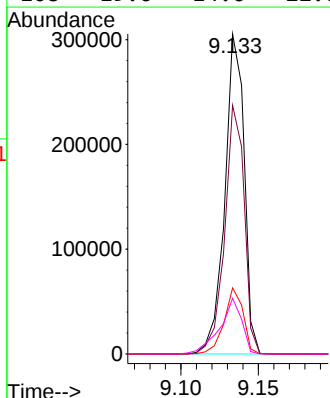
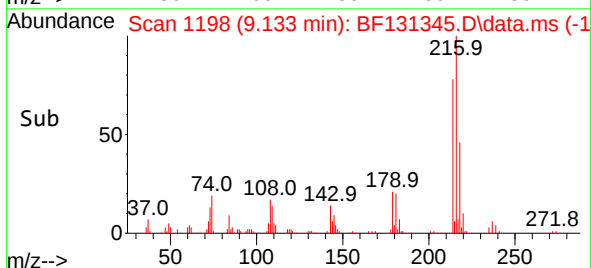
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

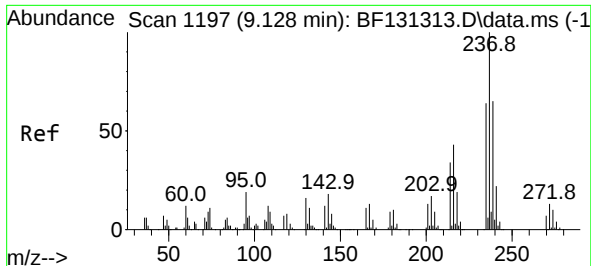


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.431 ng
RT: 9.133 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



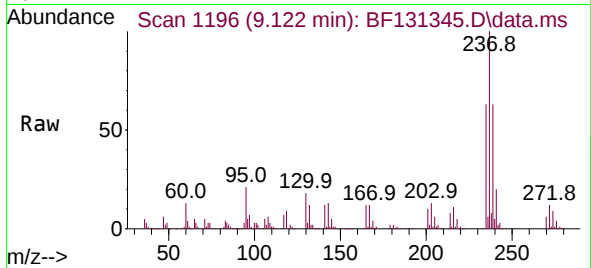
Tgt Ion:216 Resp: 267294
Ion Ratio Lower Upper
216 100
214 77.8 63.1 94.7
179 20.1 16.2 24.4
108 19.6 14.6 22.0





#41
Hexachlorocyclopentadiene
Concen: 106.113 ng
RT: 9.122 min Scan# 1196
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

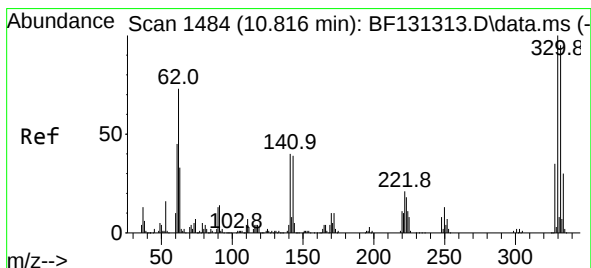
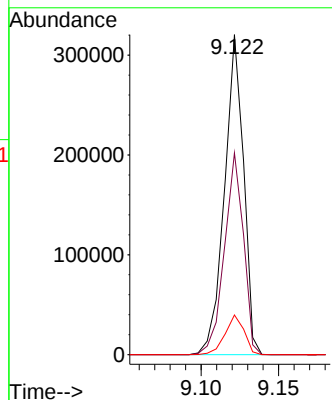
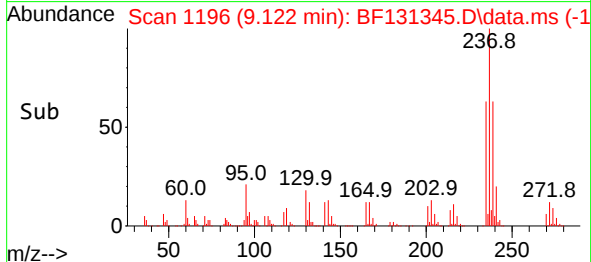
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



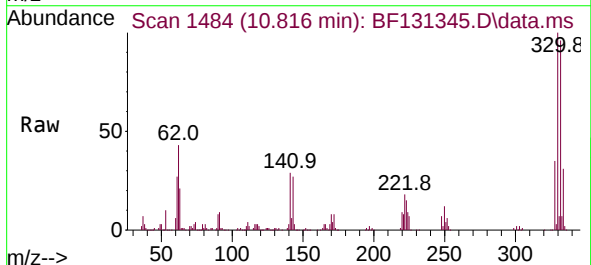
Tgt Ion: 237 Resp: 274613
Ion Ratio Lower Upper
237 100
235 63.0 44.2 84.2
272 12.4 0.0 33.4

Manual Integrations
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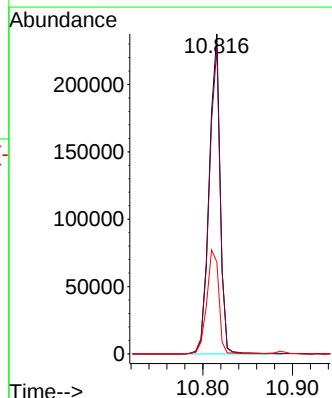
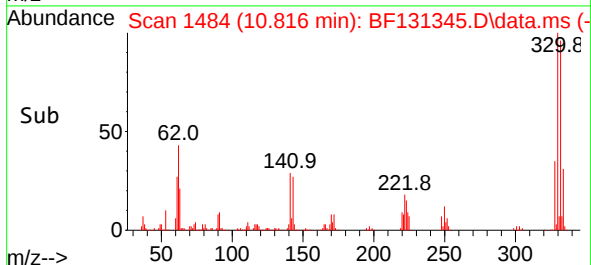
Reviewed By : Christian Giraldo 11/23/2022
Supervised By : Jagrut Upadhyay 11/23/2022

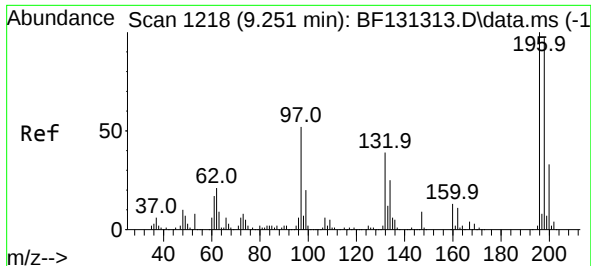


#42
2,4,6-Tribromophenol
Concen: 134.302 ng
RT: 10.816 min Scan# 1484
Delta R.T. -0.000 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



Tgt Ion: 330 Resp: 200440
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 35.6 29.3 43.9





#43

2,4,6-Trichlorophenol

Concen: 51.255 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

Tgt Ion:196 Resp: 167386

Ion Ratio Lower Upper

196 100

198 98.2 77.4 116.0

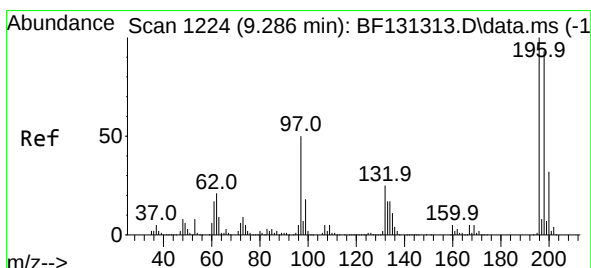
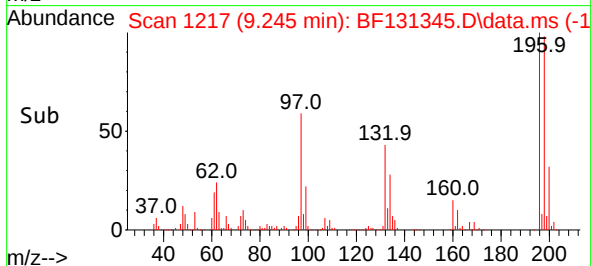
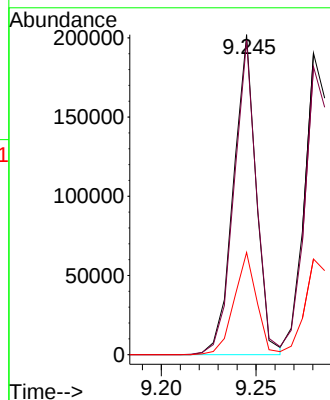
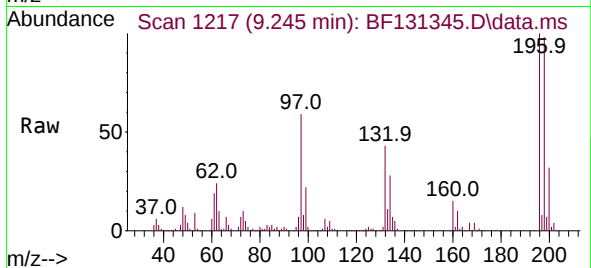
200 31.9 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#44

2,4,5-Trichlorophenol

Concen: 47.010 ng

RT: 9.280 min Scan# 1223

Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Tgt Ion:196 Resp: 172634

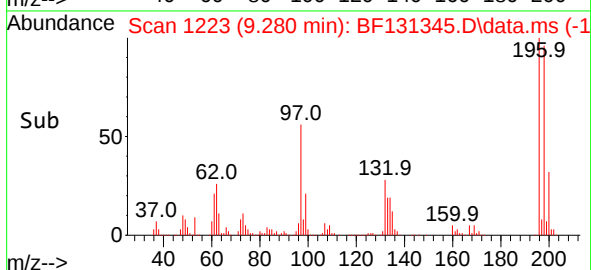
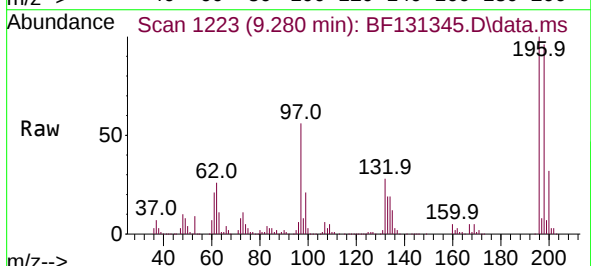
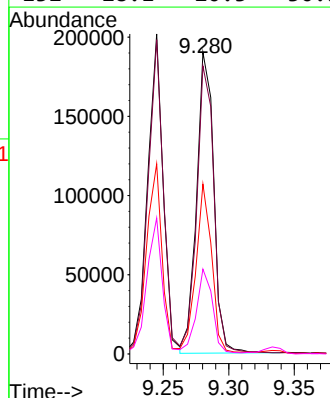
Ion Ratio Lower Upper

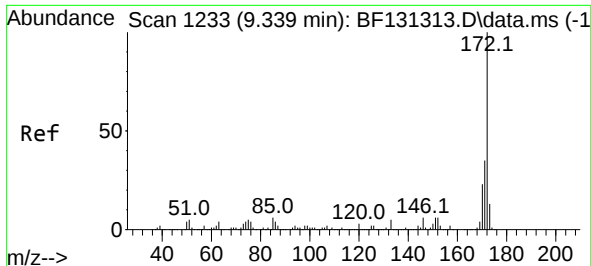
196 100

198 95.5 75.0 112.4

97 56.4 40.3 60.5

132 28.1 20.3 30.5





#45

2-Fluorobiphenyl

Concen: 73.830 ng

RT: 9.333 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

Tgt Ion:172 Resp: 900259

Ion Ratio Lower Upper

172 100

171 34.8 28.2 42.2

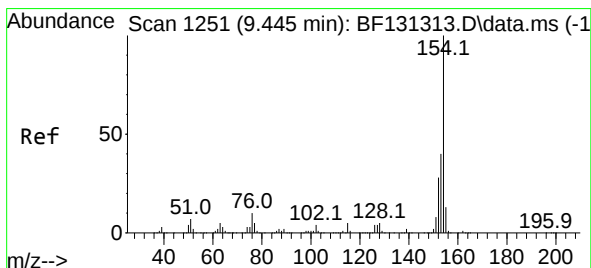
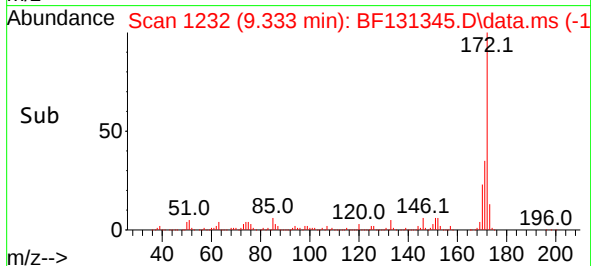
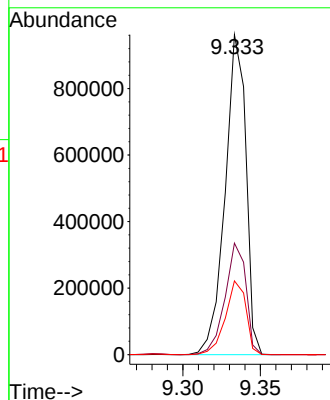
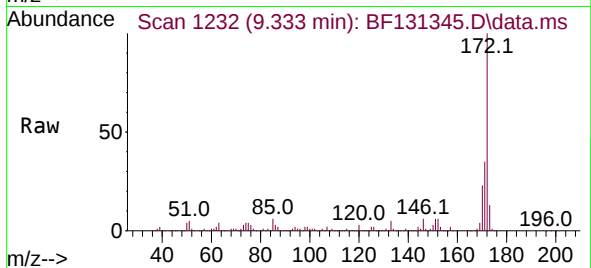
170 23.0 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#46

1,1'-Biphenyl

Concen: 46.422 ng

RT: 9.439 min Scan# 1250

Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

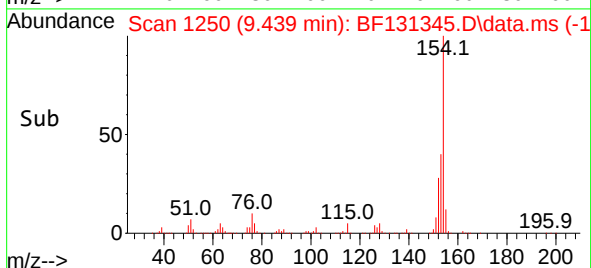
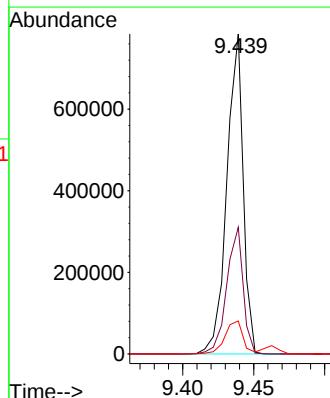
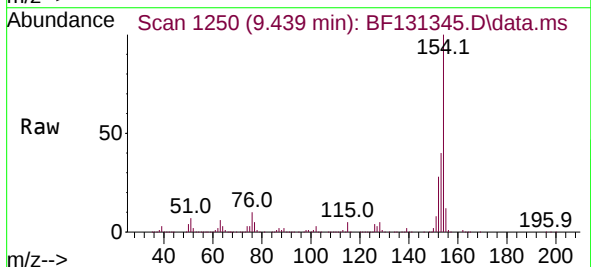
Tgt Ion:154 Resp: 628440

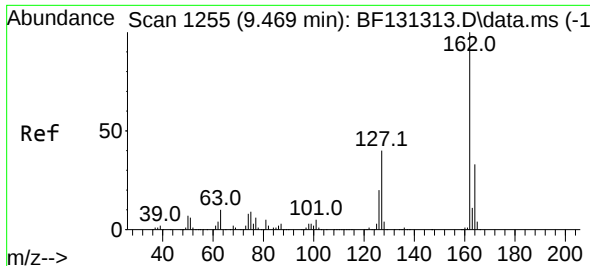
Ion Ratio Lower Upper

154 100

153 39.6 19.8 59.8

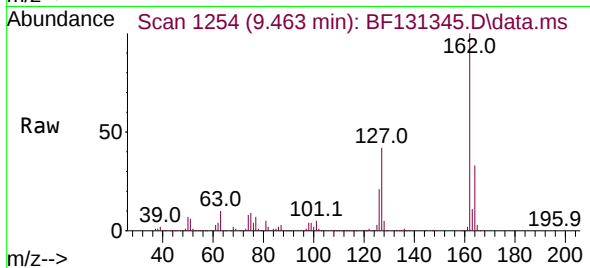
76 10.3 0.0 30.2





#47
2-Chloronaphthalene
Concen: 44.501 ng
RT: 9.463 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

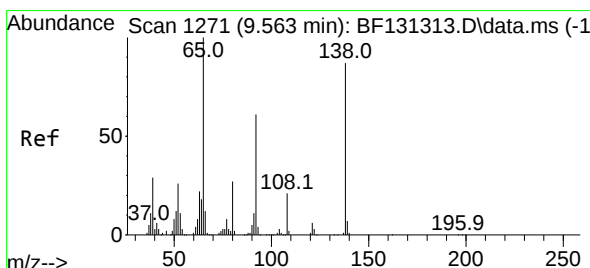
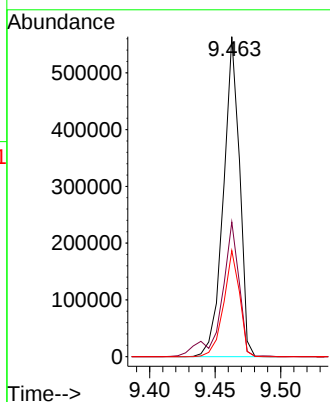
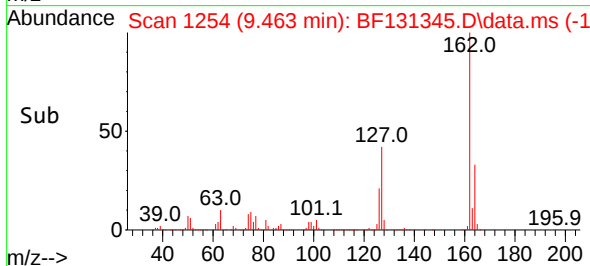
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



Tgt Ion:162 Resp: 483265
Ion Ratio Lower Upper
162 100
127 42.1 32.1 48.1
164 33.1 26.6 39.8

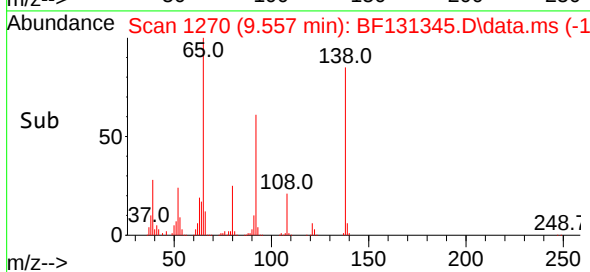
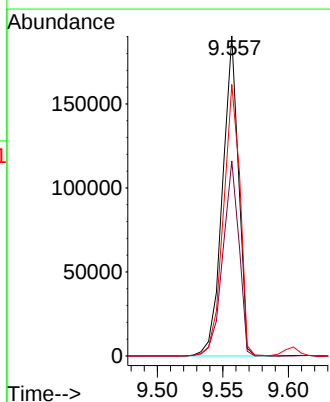
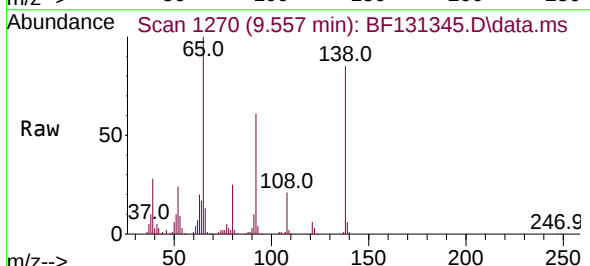
Manual Integrations
APPROVED

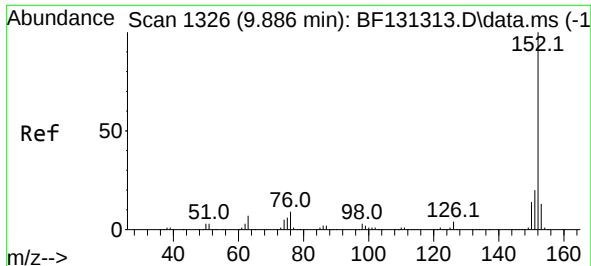
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#48
2-Nitroaniline
Concen: 49.299 ng
RT: 9.557 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Tgt Ion: 65 Resp: 162554
Ion Ratio Lower Upper
65 100
92 60.9 49.0 73.4
138 84.8 69.4 104.2





#49

Acenaphthylene

Concen: 44.430 ng

RT: 9.880 min Scan# 1326

Delta R.T. -0.006 min

Lab File: BF131345.D

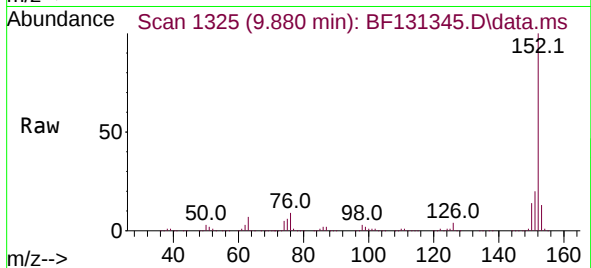
Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD



Tgt Ion:152 Resp: 735519

Ion Ratio Lower Upper

152 100

151 20.2 16.2 24.4

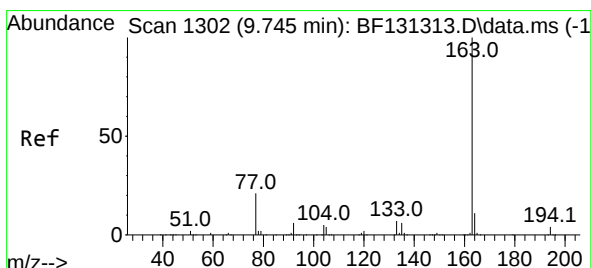
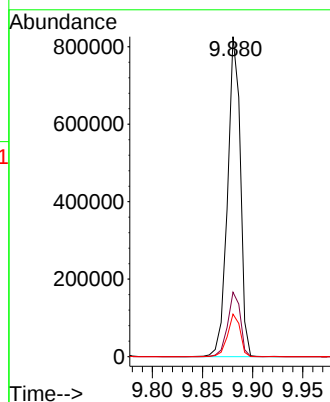
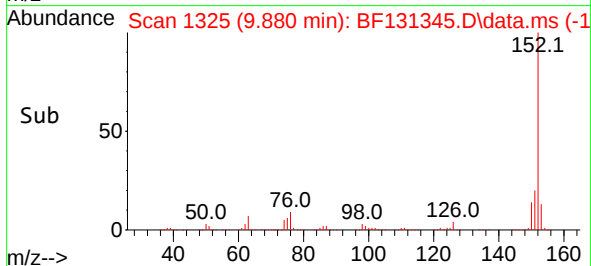
153 13.3 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#50

Dimethylphthalate

Concen: 45.445 ng

RT: 9.739 min Scan# 1301

Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

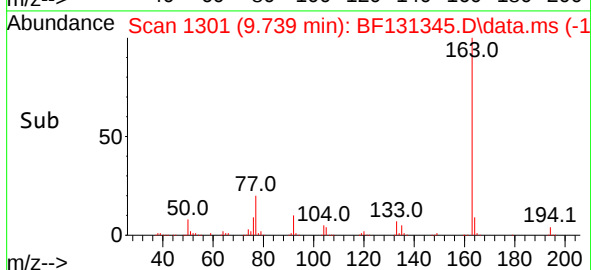
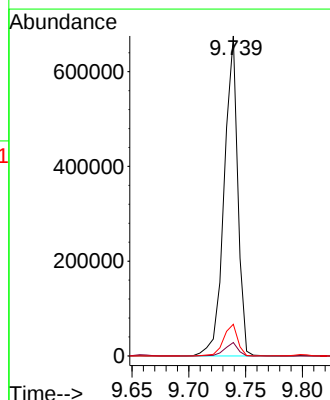
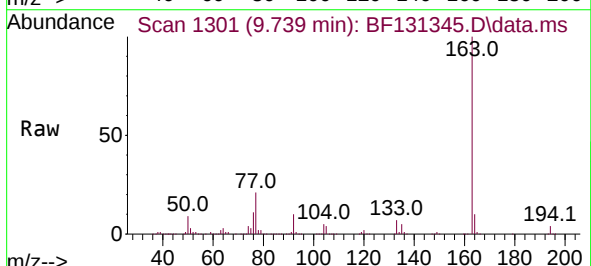
Tgt Ion:163 Resp: 561697

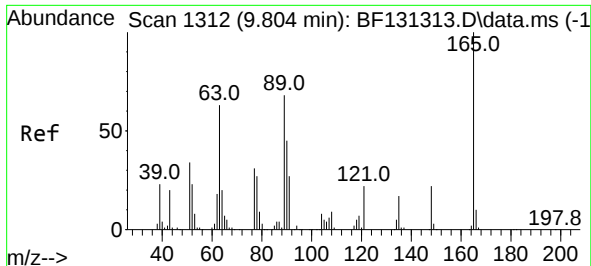
Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

164 9.9 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 49.074 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

Tgt Ion:165 Resp: 121302

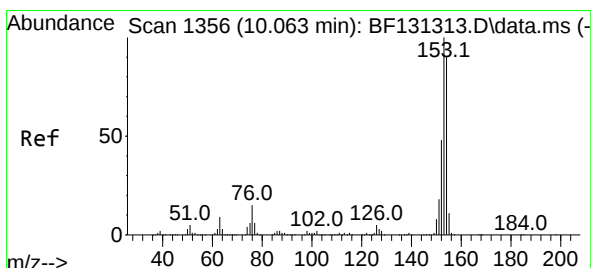
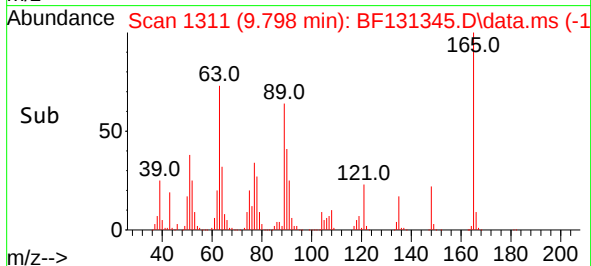
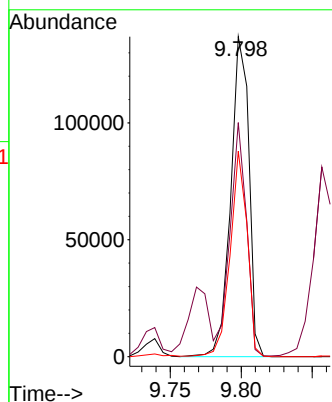
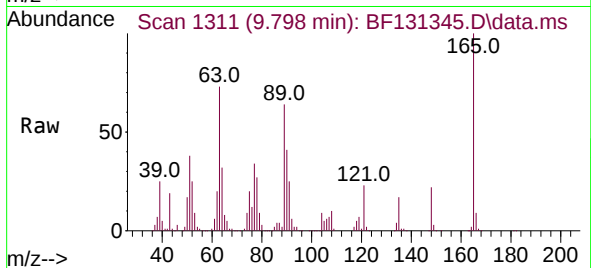
Ion	Ratio	Lower	Upper
165	100		
63	73.1	62.0	93.0
89	64.2	54.4	81.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#52

Acenaphthene

Concen: 46.208 ng

RT: 10.057 min Scan# 1355

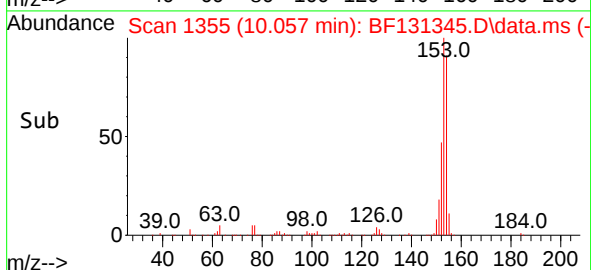
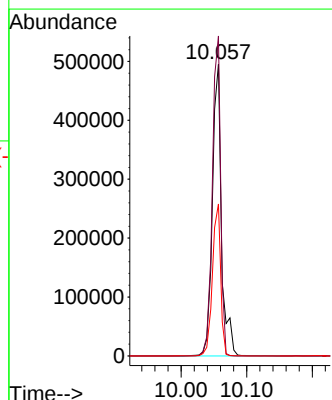
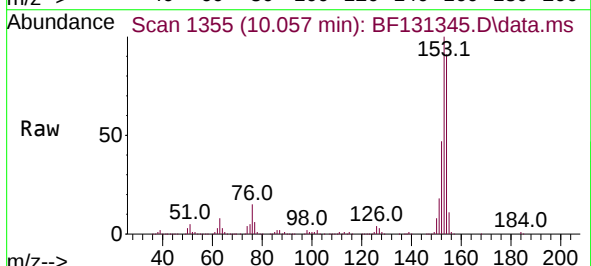
Delta R.T. -0.006 min

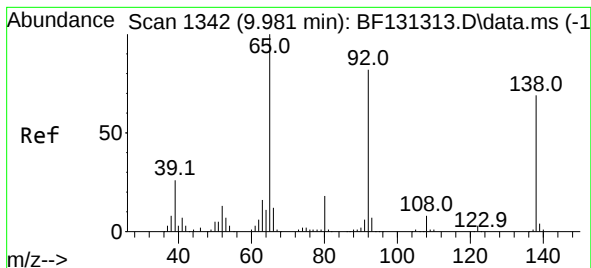
Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Tgt Ion:154 Resp: 478999

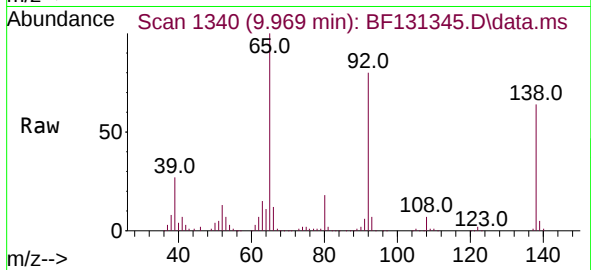
Ion	Ratio	Lower	Upper
154	100		
153	109.7	88.4	132.6
152	52.1	42.8	64.2





#53
3-Nitroaniline
Concen: 21.668 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

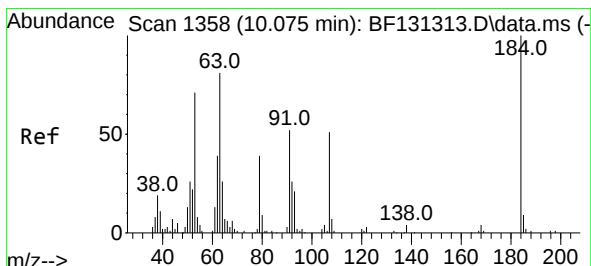
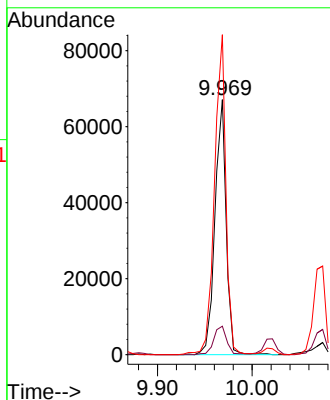
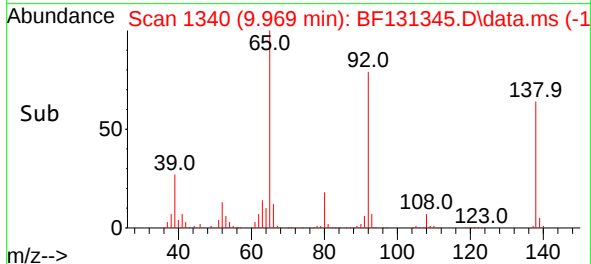
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



Tgt Ion:138 Resp: 55036
Ion Ratio Lower Upper
138 100
108 11.2 8.9 13.3
92 125.5 95.3 142.9

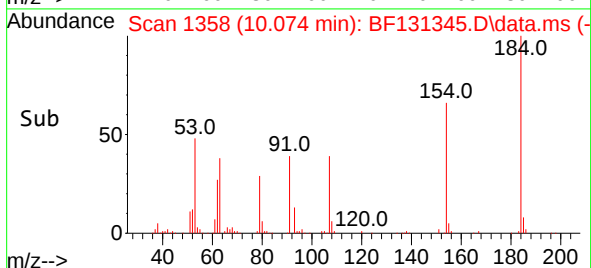
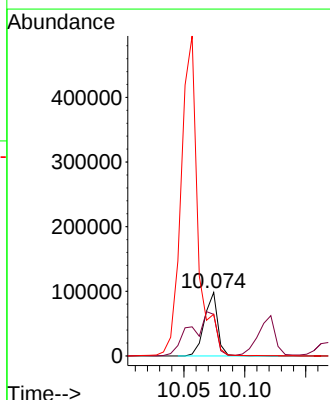
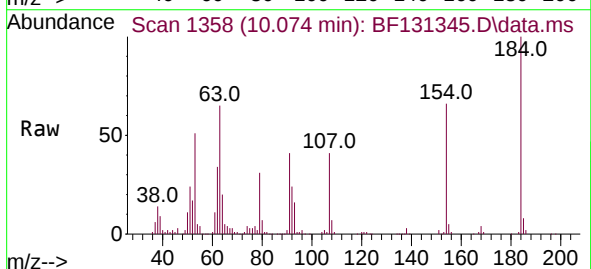
Manual Integrations
APPROVED

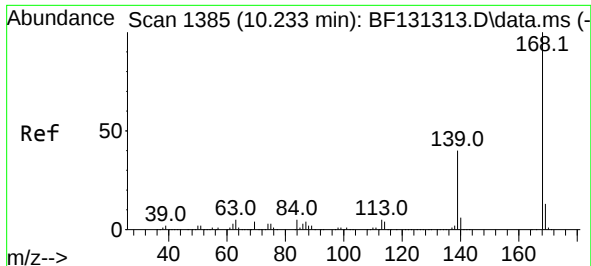
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#54
2,4-Dinitrophenol
Concen: 69.773 ng
RT: 10.074 min Scan# 1358
Delta R.T. -0.001 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

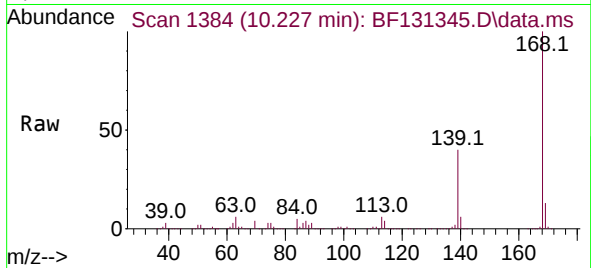
Tgt Ion:184 Resp: 74080
Ion Ratio Lower Upper
184 100
63 65.4 72.1 108.1#
154 65.7 56.3 84.5





#55
Dibenzofuran
Concen: 43.107 ng
RT: 10.227 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

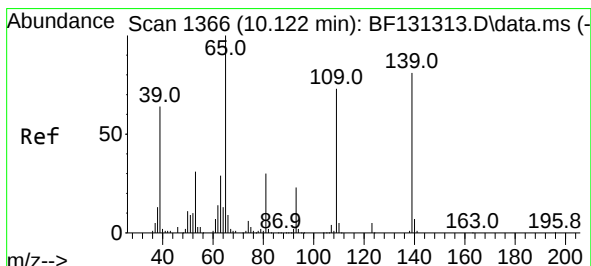
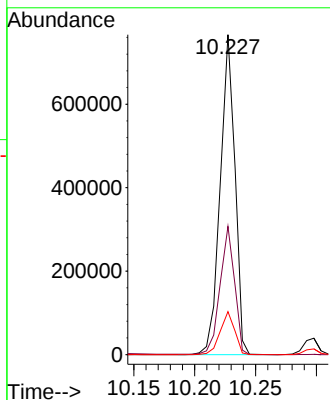
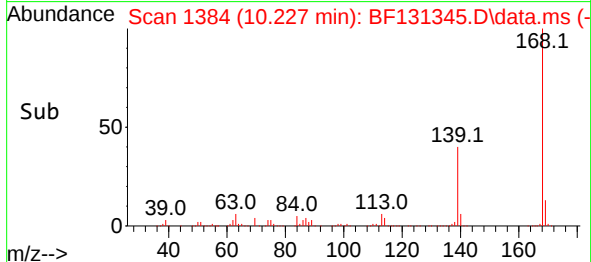
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



Tgt Ion:168 Resp: 642878
Ion Ratio Lower Upper
168 100
139 40.1 31.7 47.5
169 13.4 10.6 15.8

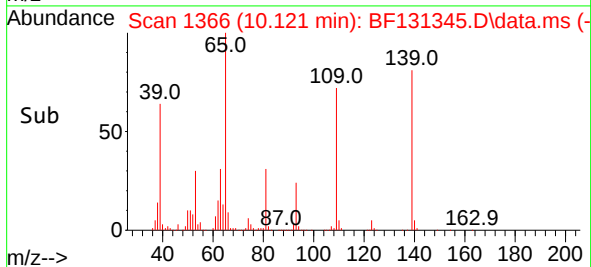
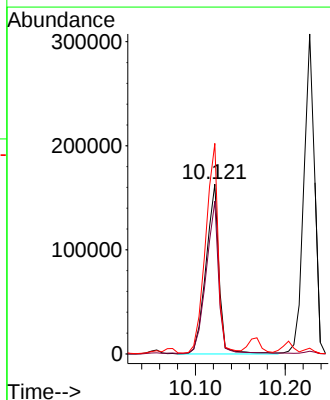
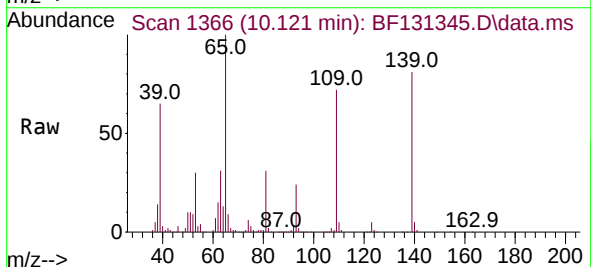
Manual Integrations
APPROVED

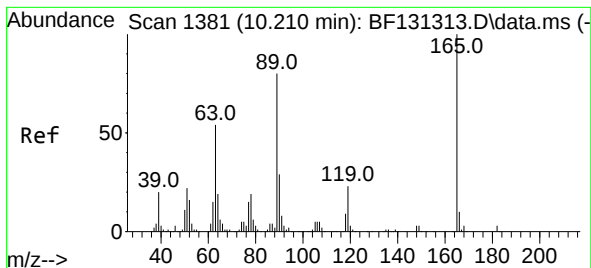
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#56
4-Nitrophenol
Concen: 93.106 ng
RT: 10.121 min Scan# 1366
Delta R.T. -0.000 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

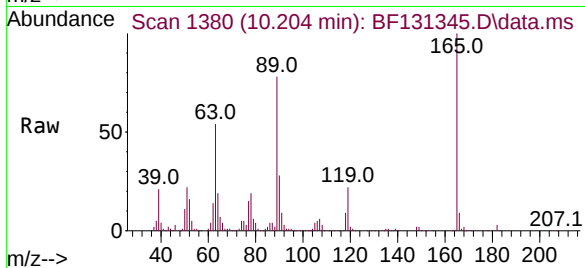
Tgt Ion:139 Resp: 164123
Ion Ratio Lower Upper
139 100
109 89.9 69.6 109.6
65 124.1 103.4 143.4





#57
2,4-Dinitrotoluene
Concen: 49.186 ng
RT: 10.204 min Scan# 1381
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

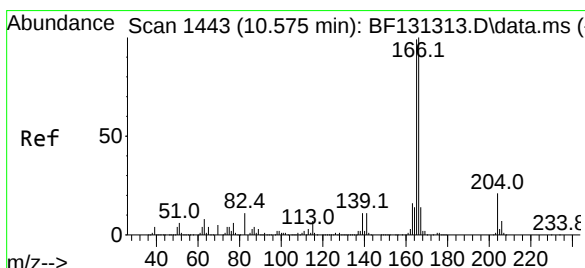
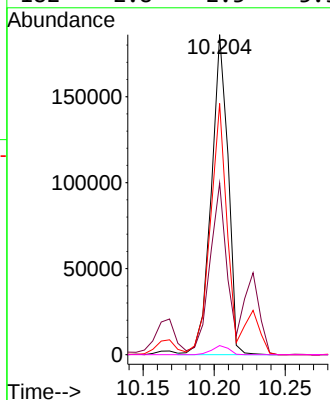
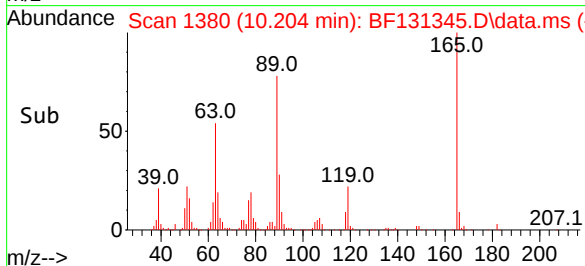
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



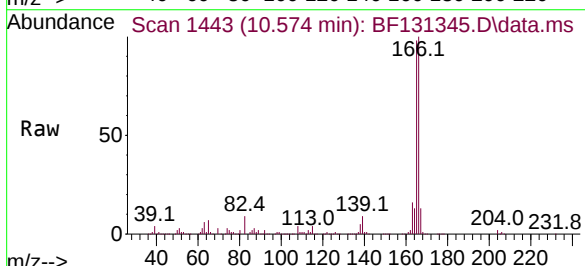
Tgt Ion:165 Resp: 15297
Ion Ratio Lower Upper
165 100
63 53.6 43.4 65.2
89 78.5 64.0 96.0
182 2.8 2.3 3.5

Manual Integrations
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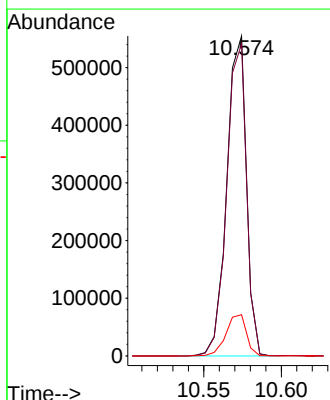
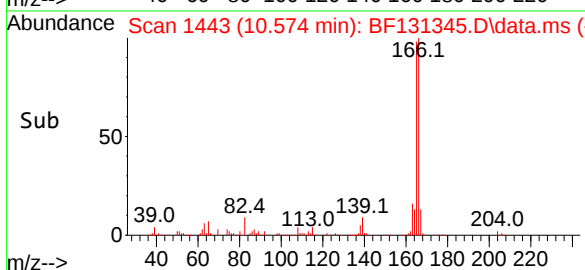
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

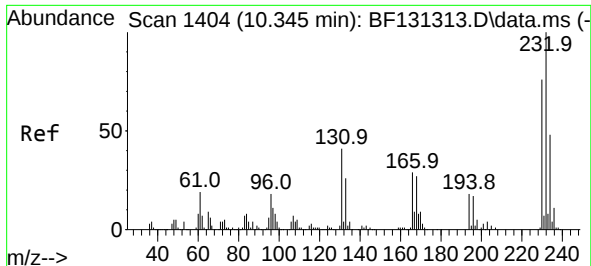


#58
Fluorene
Concen: 42.015 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.000 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



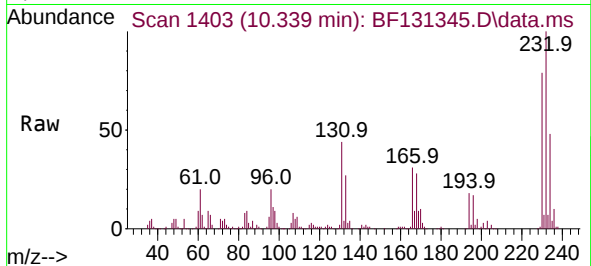
Tgt Ion:166 Resp: 489012
Ion Ratio Lower Upper
166 100
165 97.5 79.0 118.4
167 12.9 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.593 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

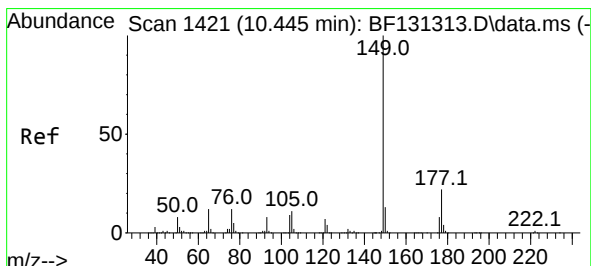
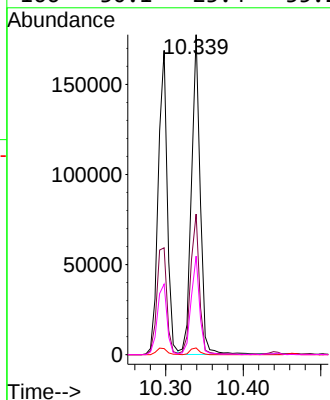
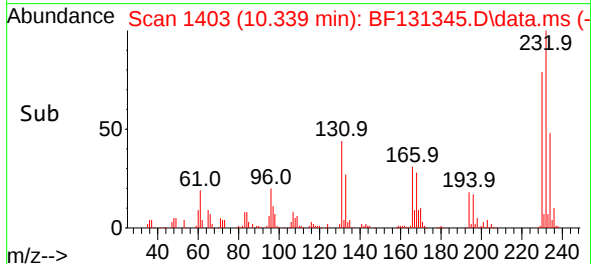
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



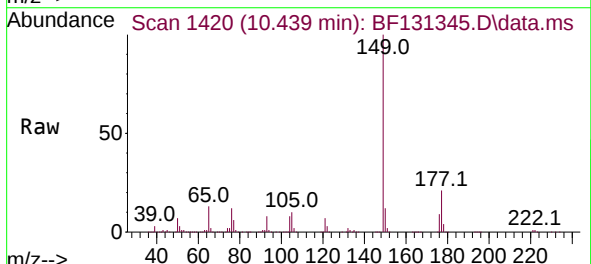
Tgt Ion:232 Resp: 139434
Ion Ratio Lower Upper
232 100
131 43.8 35.2 52.8
130 2.2 1.8 2.8
166 30.1 23.4 35.2

Manual Integrations
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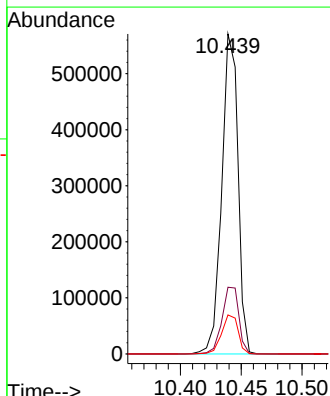
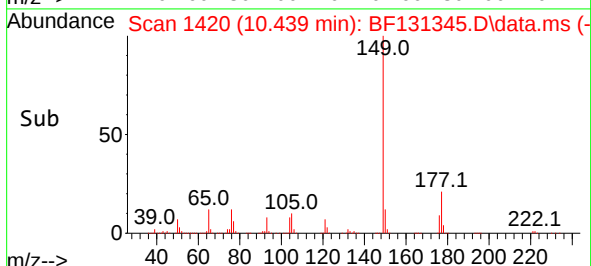
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

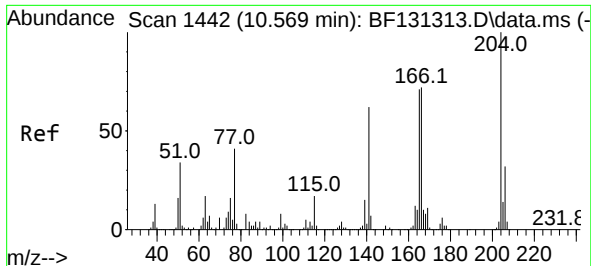


#60
Diethylphthalate
Concen: 45.230 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



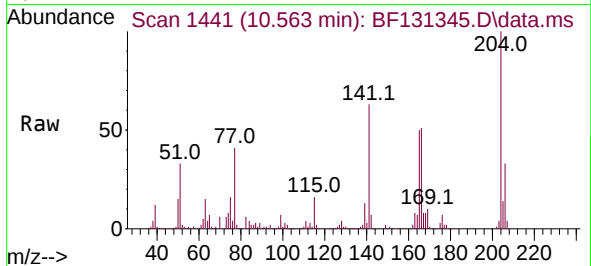
Tgt Ion:149 Resp: 527860
Ion Ratio Lower Upper
149 100
177 20.8 17.6 26.4
150 12.2 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 43.326 ng
RT: 10.563 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

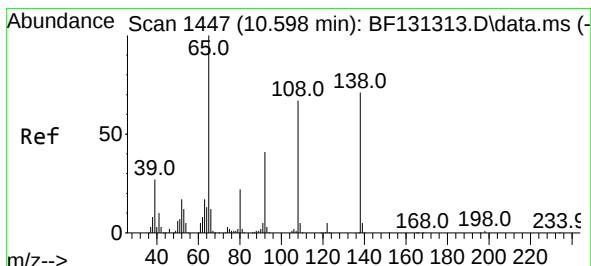
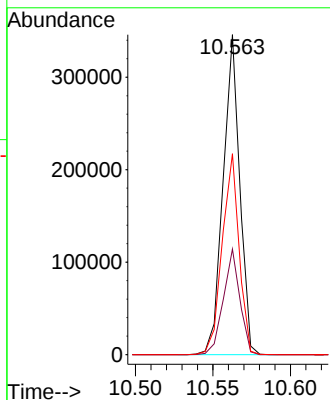
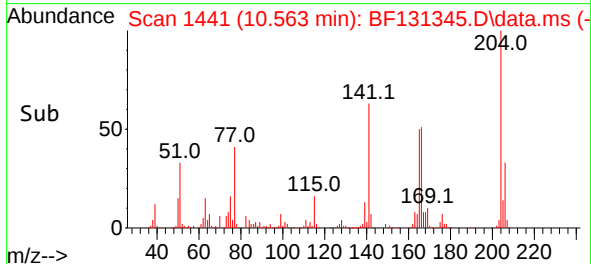
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



Tgt Ion:204 Resp: 258514
Ion Ratio Lower Upper
204 100
206 33.0 25.7 38.5
141 62.8 49.2 73.8

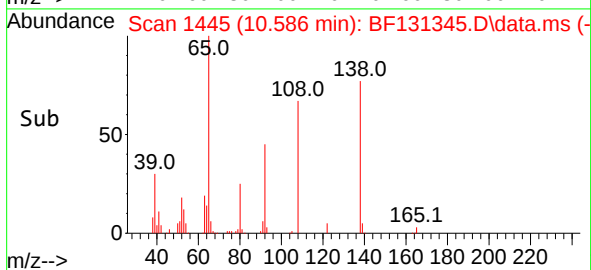
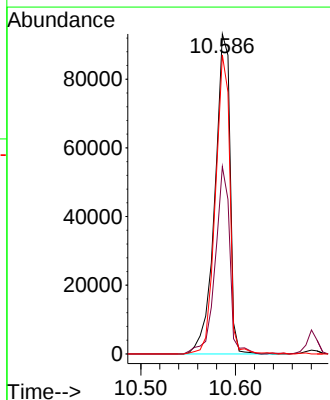
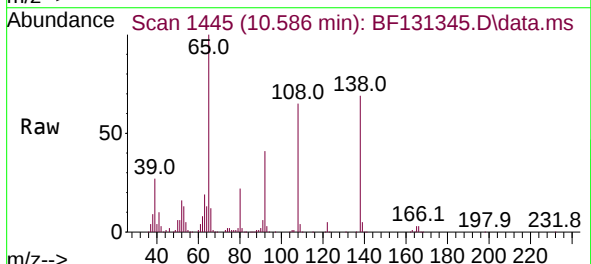
Manual Integrations
APPROVED

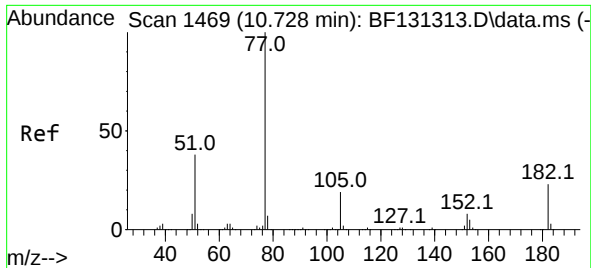
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#62
4-Nitroaniline
Concen: 40.971 ng
RT: 10.586 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

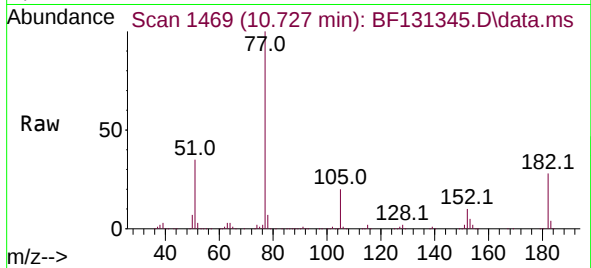
Tgt Ion:138 Resp: 103566
Ion Ratio Lower Upper
138 100
92 58.5 37.0 77.0
108 93.4 74.0 114.0





#63
Azobenzene
Concen: 41.191 ng
RT: 10.727 min Scan# 1469
Delta R.T. -0.000 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

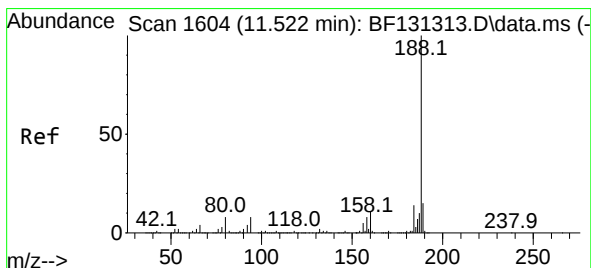
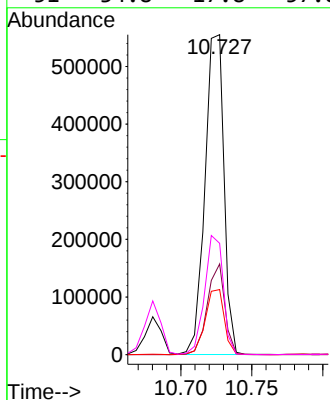
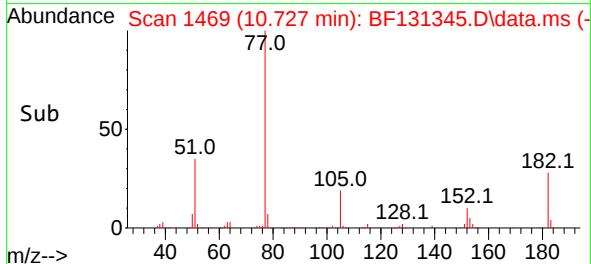
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



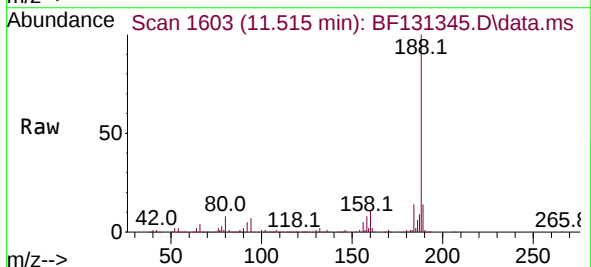
Tgt Ion: 77 Resp: 516896
Ion Ratio Lower Upper
77 100
182 28.3 3.1 43.1
105 20.4 0.0 39.2
51 34.8 17.8 57.8

Manual Integrations
APPROVED

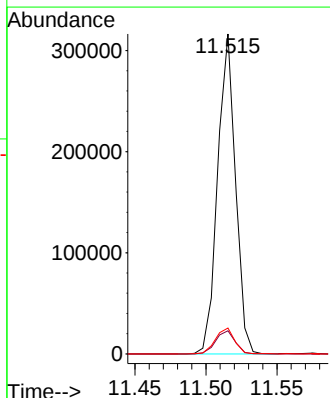
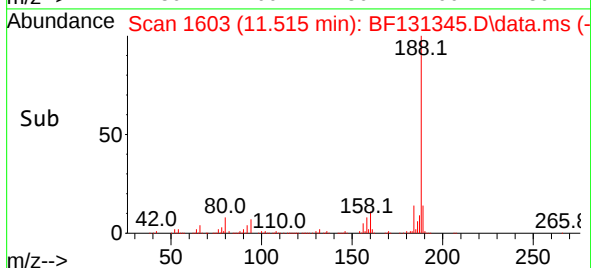
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

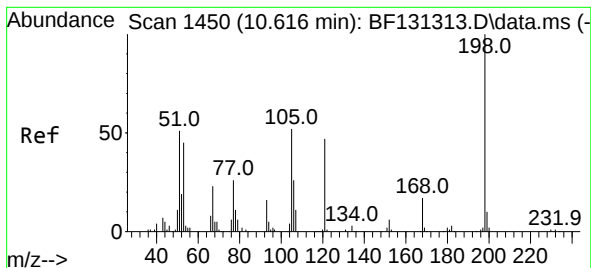


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.515 min Scan# 1603
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



Tgt Ion:188 Resp: 277262
Ion Ratio Lower Upper
188 100
94 7.2 6.3 9.5
80 8.1 6.8 10.2





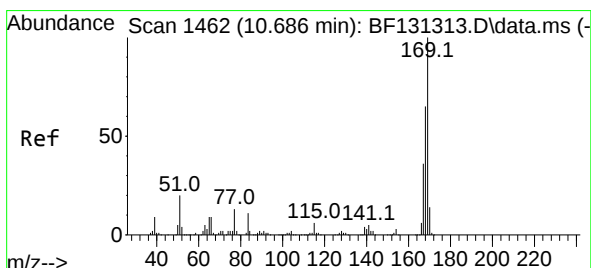
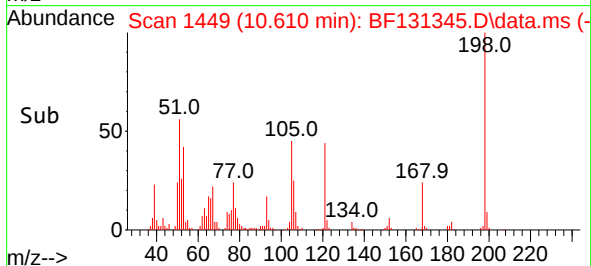
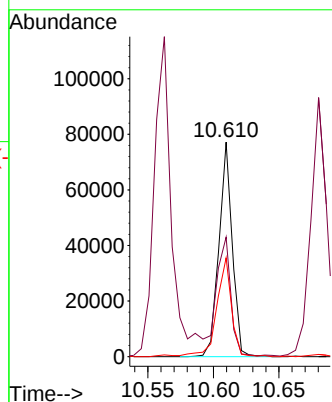
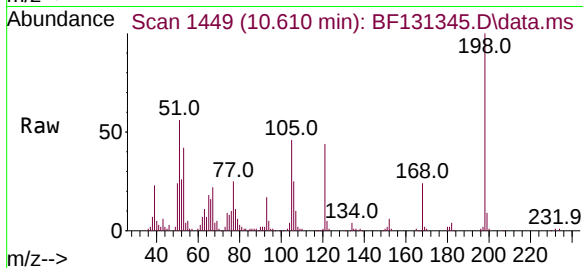
#65
4,6-Dinitro-2-methylphenol
Concen: 46.550 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD

Tgt Ion:198 Resp: 54863
Ion Ratio Lower Upper
198 100
51 55.7 50.1 90.1
105 46.0 32.5 72.5

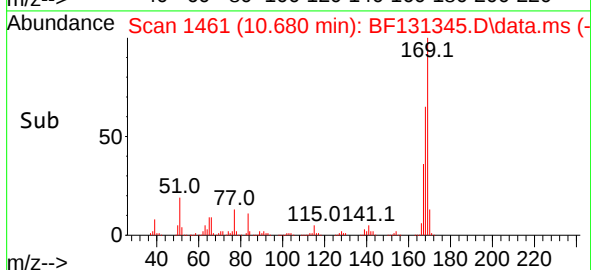
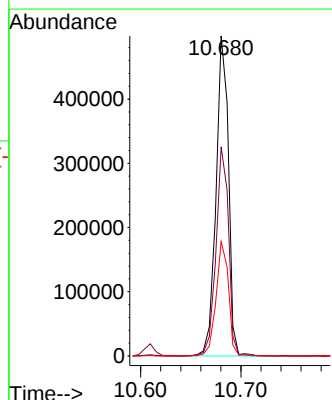
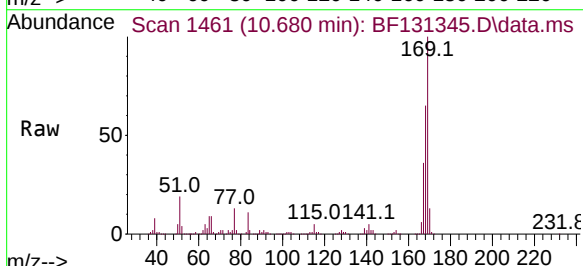
Manual Integrations
APPROVED

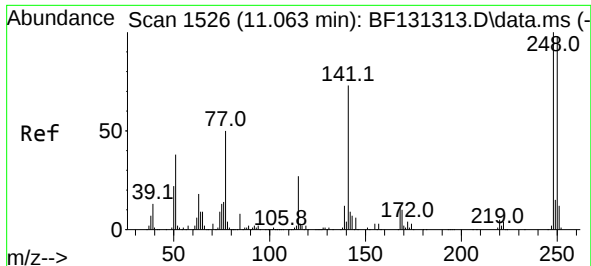
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#66
n-Nitrosodiphenylamine
Concen: 48.434 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

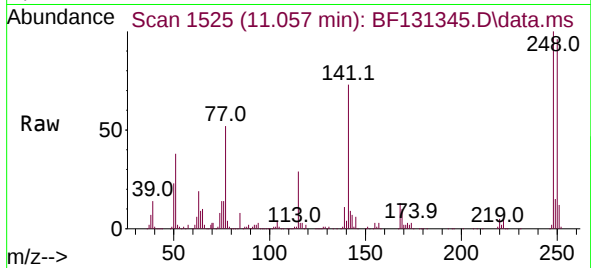
Tgt Ion:169 Resp: 427910
Ion Ratio Lower Upper
169 100
168 65.3 52.4 78.6
167 35.7 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 47.490 ng
RT: 11.057 min Scan# 1525
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

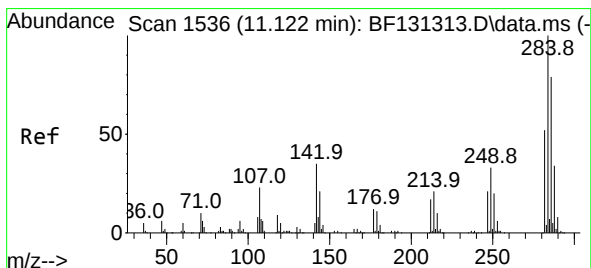
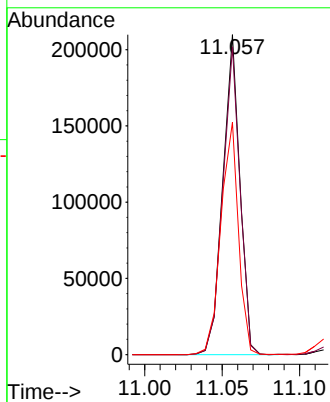
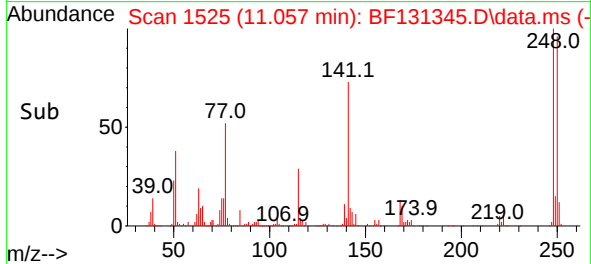
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



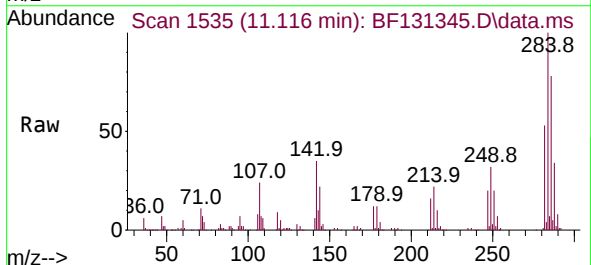
Tgt Ion:248 Resp: 161380
Ion Ratio Lower Upper
248 100
250 96.2 78.3 117.5
141 72.6 58.0 87.0

Manual Integrations
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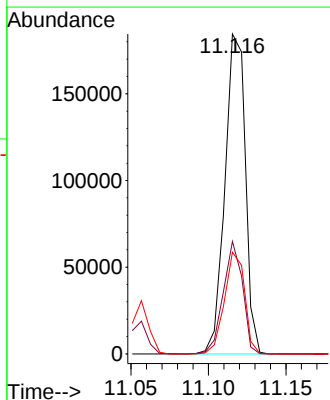
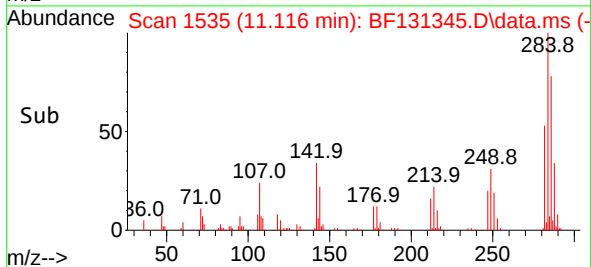
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

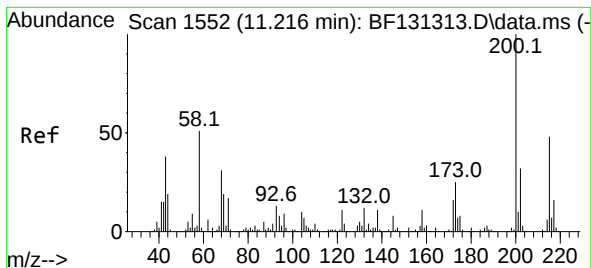


#68
Hexachlorobenzene
Concen: 47.112 ng
RT: 11.116 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



Tgt Ion:284 Resp: 169918
Ion Ratio Lower Upper
284 100
142 35.1 28.4 42.6
249 31.8 26.5 39.7





#69

Atrazine

Concen: 54.687 ng

RT: 11.210 min Scan# 1552

Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

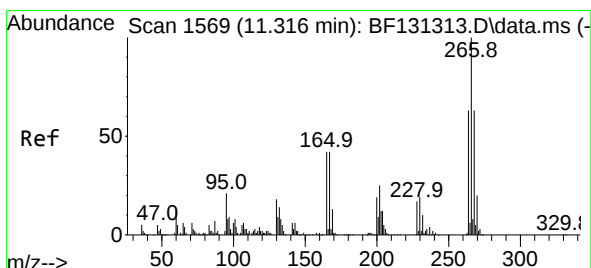
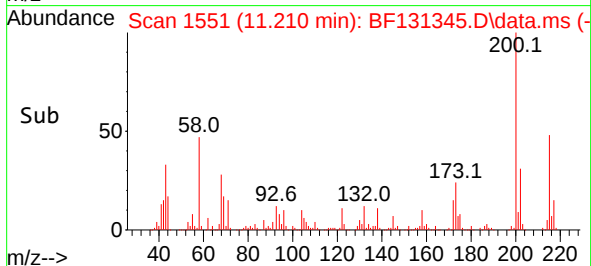
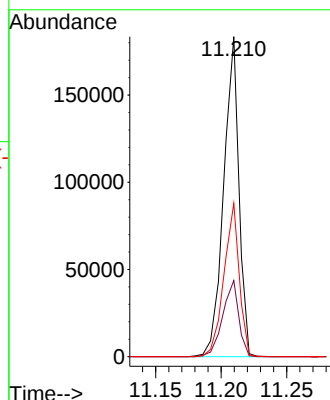
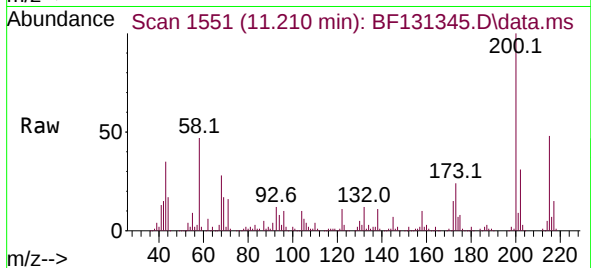
Tgt Ion:200 Resp: 148752
 Ion Ratio Lower Upper
 200 100
 173 23.8 5.2 45.2
 215 47.9 28.3 68.3

Manual Integrations

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Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#70

Pentachlorophenol

Concen: 76.899 ng

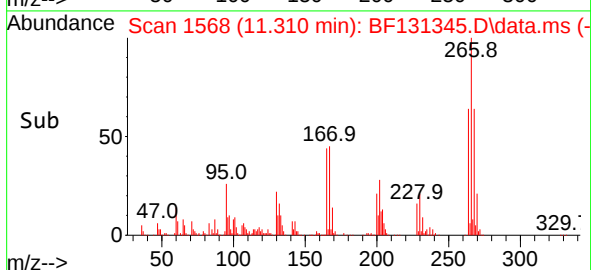
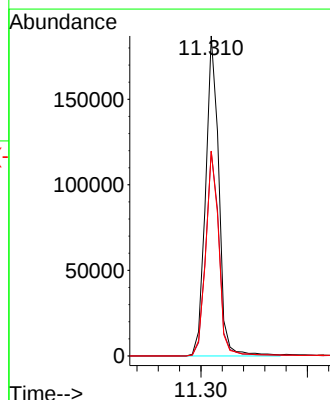
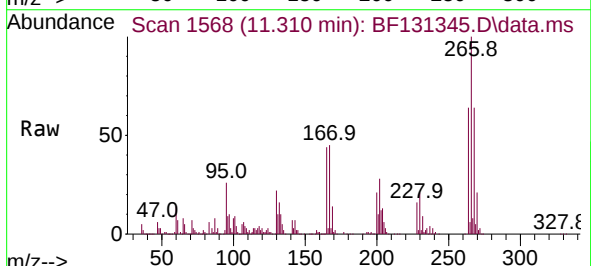
RT: 11.310 min Scan# 1568

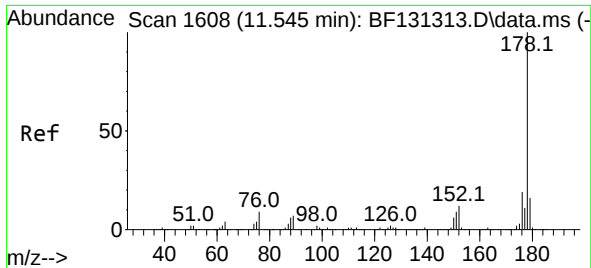
Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Tgt Ion:266 Resp: 160736
 Ion Ratio Lower Upper
 266 100
 268 63.9 50.6 75.8
 264 64.0 50.4 75.6





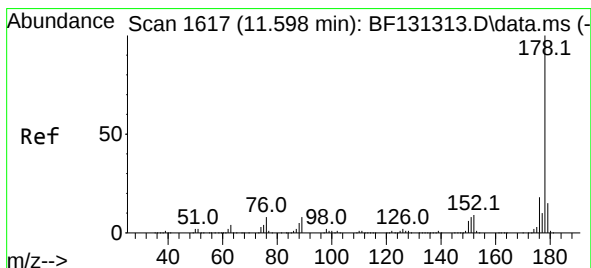
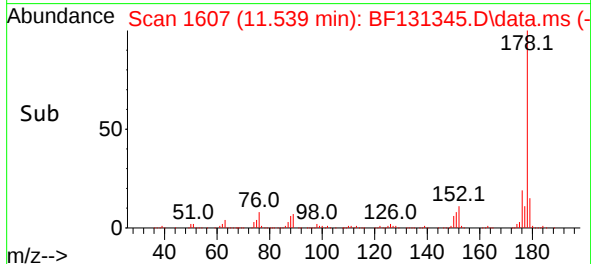
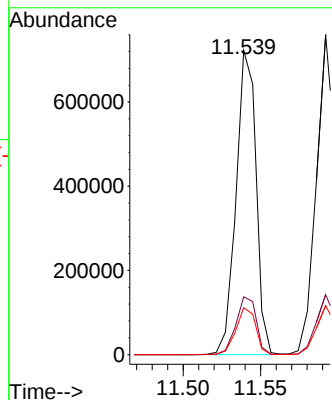
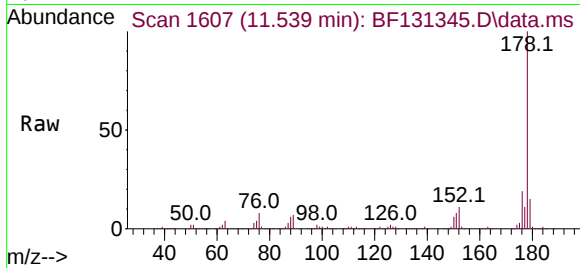
#71
Phenanthrene
Concen: 43.491 ng
RT: 11.539 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD

Tgt Ion:178 Resp: 651678
Ion Ratio Lower Upper
178 100
176 19.0 15.6 23.4
179 15.4 12.4 18.6

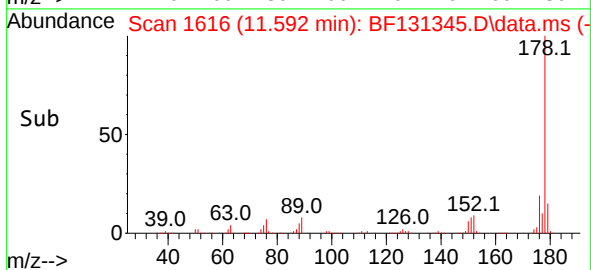
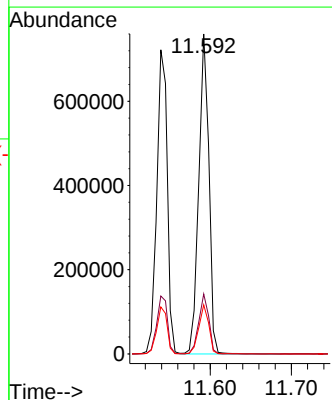
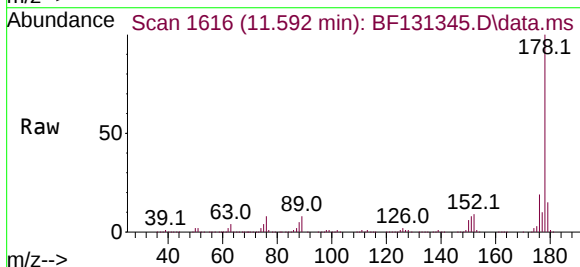
Manual Integrations
APPROVED

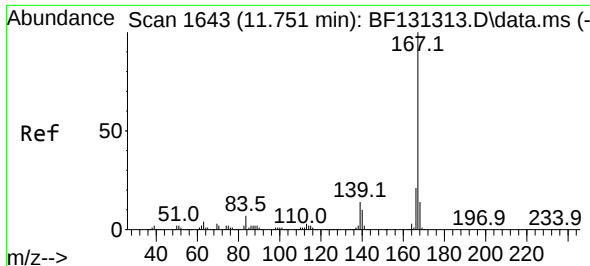
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#72
Anthracene
Concen: 44.476 ng
RT: 11.592 min Scan# 1616
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

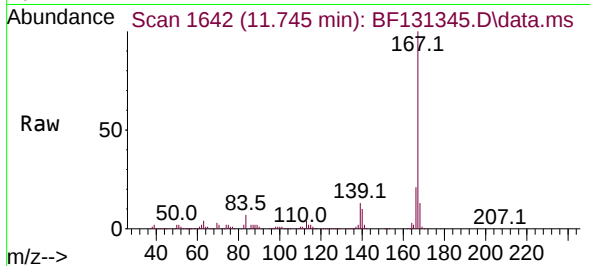
Tgt Ion:178 Resp: 654950
Ion Ratio Lower Upper
178 100
176 18.7 14.7 22.1
179 15.3 12.2 18.4





#73
 Carbazole
 Concen: 43.161 ng
 RT: 11.745 min Scan# 1642
 Delta R.T. -0.006 min
 Lab File: BF131345.D
 Acq: 22 Nov 2022 23:21

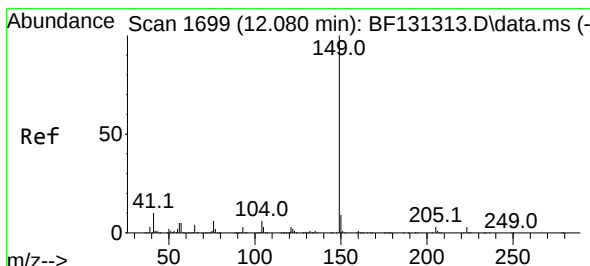
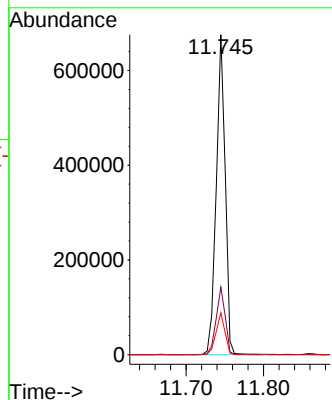
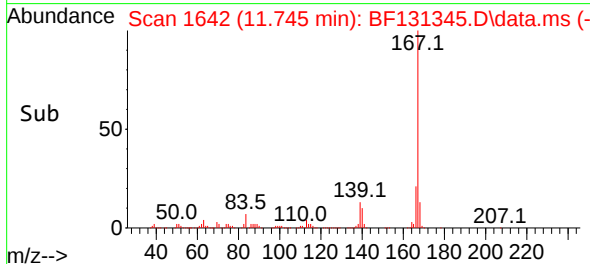
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-16MSD



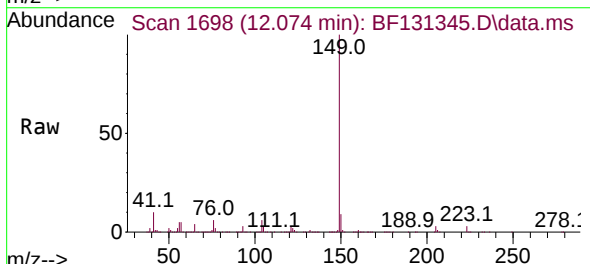
Tgt Ion:167 Resp: 542166
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.6
 139 13.0 10.8 16.2

Manual Integrations
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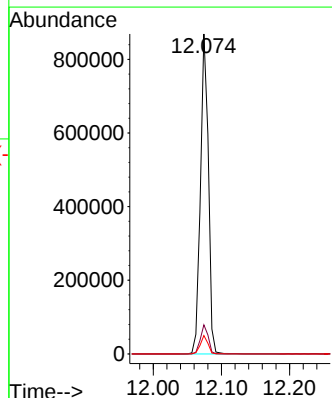
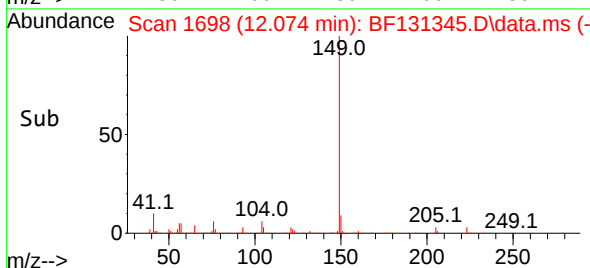
Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022

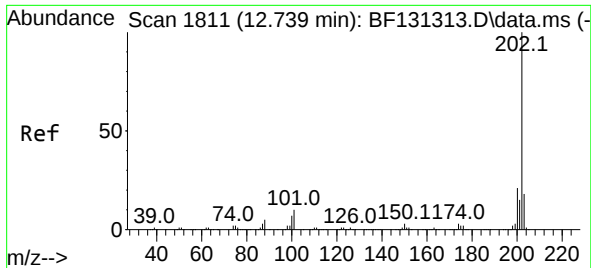


#74
 Di-n-butylphthalate
 Concen: 47.394 ng
 RT: 12.074 min Scan# 1698
 Delta R.T. -0.006 min
 Lab File: BF131345.D
 Acq: 22 Nov 2022 23:21



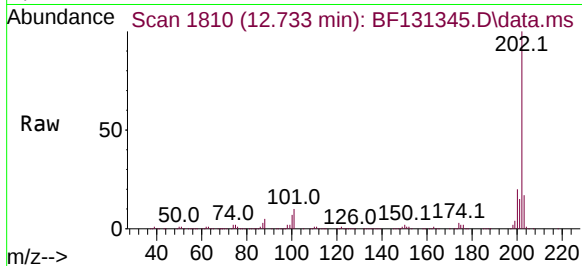
Tgt Ion:149 Resp: 701520
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.3 10.9
 104 5.7 4.7 7.1





#75
Fluoranthene
Concen: 38.868 ng
RT: 12.733 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

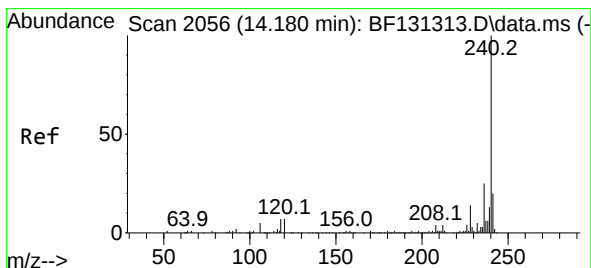
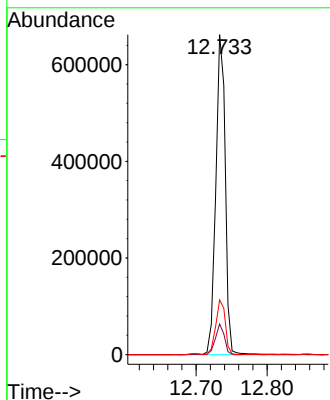
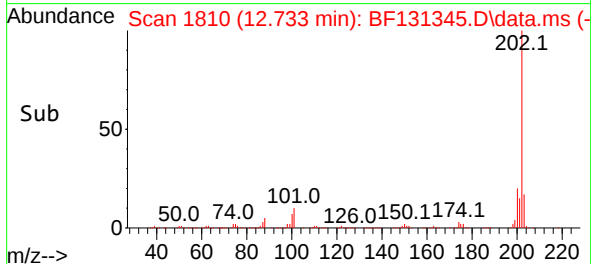
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



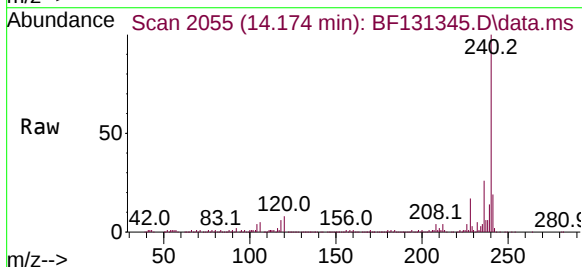
Tgt Ion:202 Resp: 613696
Ion Ratio Lower Upper
202 100
101 9.6 0.0 29.6
203 17.1 0.0 37.8

Manual Integrations
APPROVED

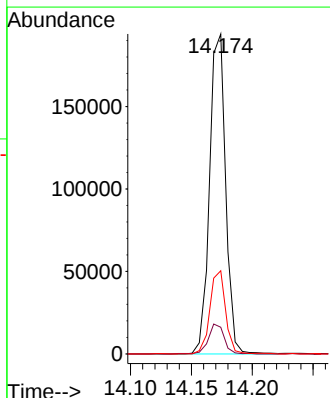
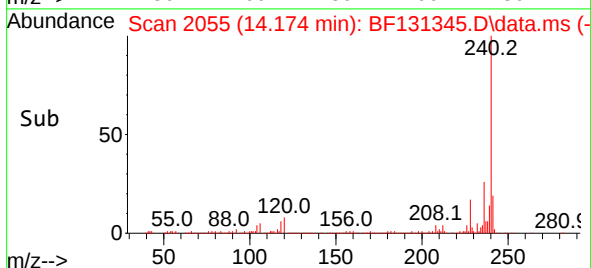
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

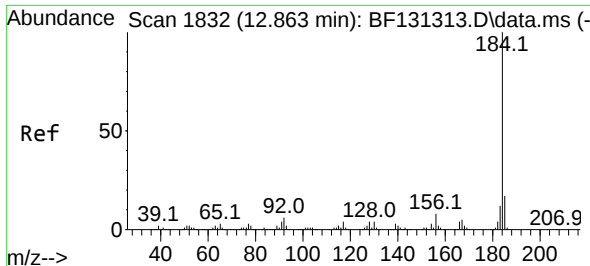


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



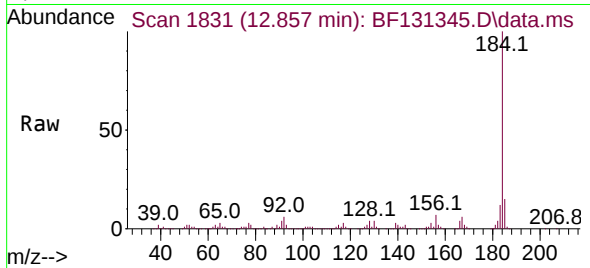
Tgt Ion:240 Resp: 179005
Ion Ratio Lower Upper
240 100
120 8.4 5.8 8.8
236 26.0 20.3 30.5





#77
Benzidine
Concen: 58.175 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

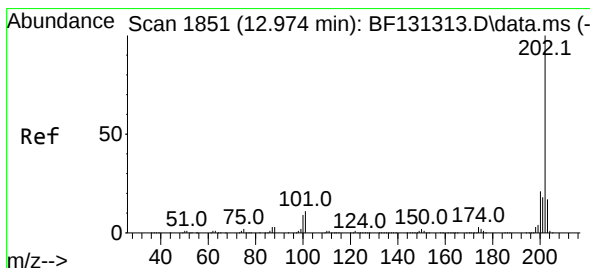
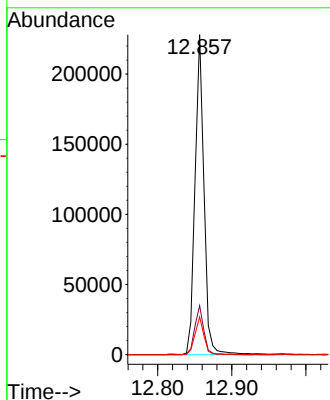
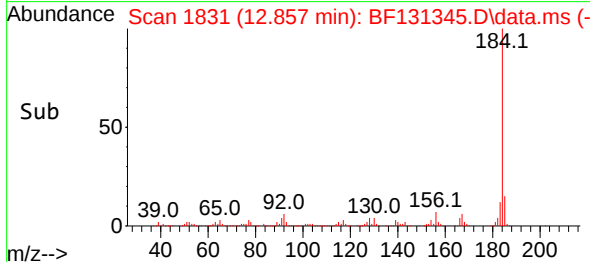
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



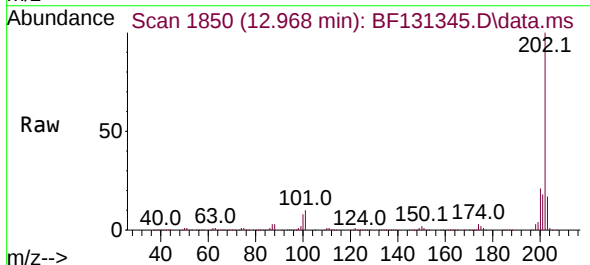
Tgt Ion:184 Resp: 192354
Ion Ratio Lower Upper
184 100
185 15.3 13.8 20.8
183 11.8 9.6 14.4

Manual Integrations
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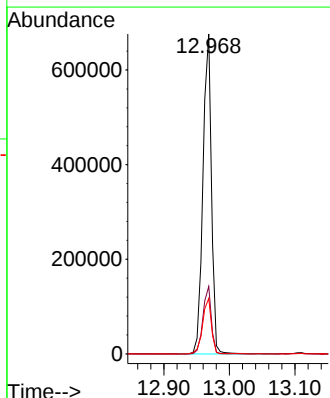
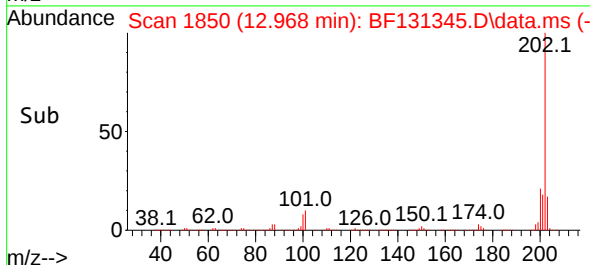
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

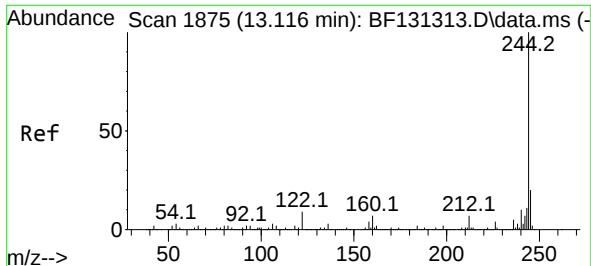


#78
Pyrene
Concen: 38.283 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



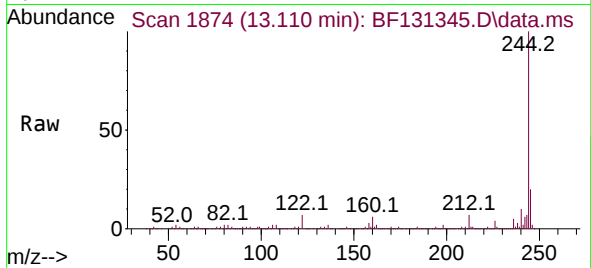
Tgt Ion:202 Resp: 604613
Ion Ratio Lower Upper
202 100
200 21.1 16.9 25.3
203 17.3 13.9 20.9





#79
 Terphenyl-d14
 Concen: 65.386 ng
 RT: 13.110 min Scan# 1874
 Delta R.T. -0.006 min
 Lab File: BF131345.D
 Acq: 22 Nov 2022 23:21

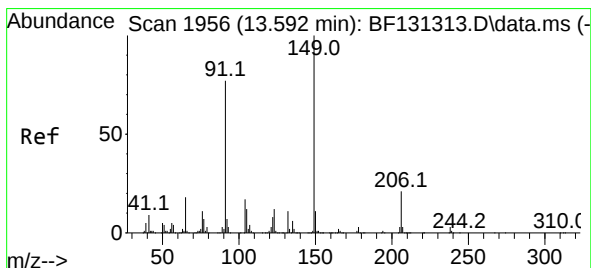
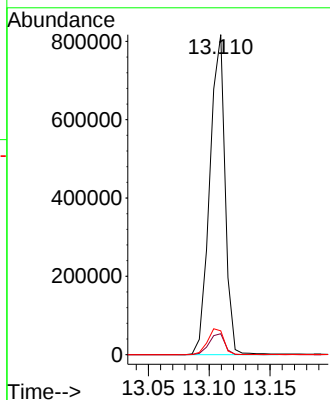
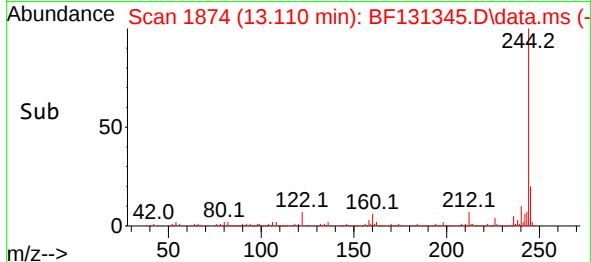
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-16MSD



Tgt Ion:244 Resp: 715753
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.9 8.9
 122 7.4 7.5 11.3

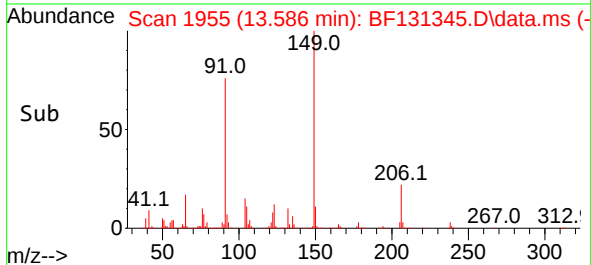
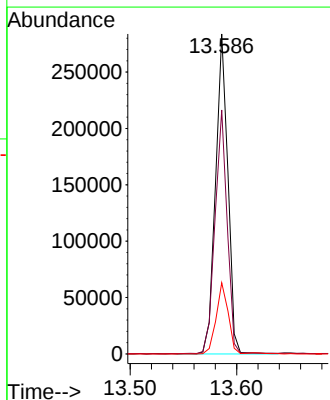
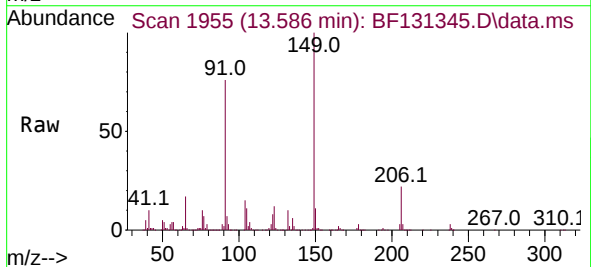
Manual Integrations
 APPROVED

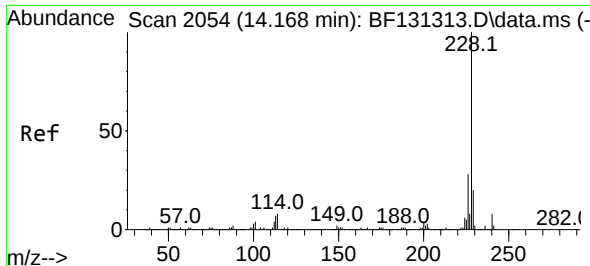
Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022



#80
 Butylbenzylphthalate
 Concen: 43.502 ng
 RT: 13.586 min Scan# 1955
 Delta R.T. -0.006 min
 Lab File: BF131345.D
 Acq: 22 Nov 2022 23:21

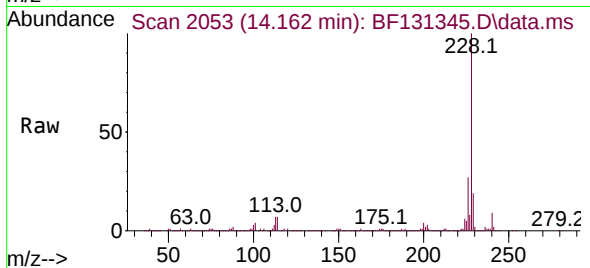
Tgt Ion:149 Resp: 228888
 Ion Ratio Lower Upper
 149 100
 91 76.2 61.9 92.9
 206 22.2 16.5 24.7





#81
Benzo(a)anthracene
Concen: 43.529 ng
RT: 14.162 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

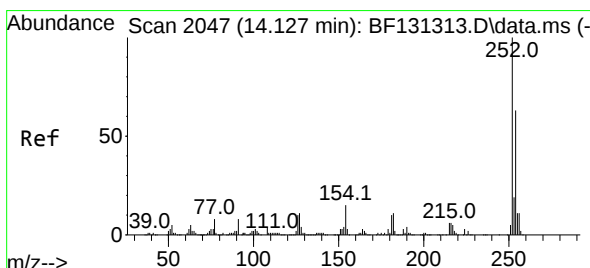
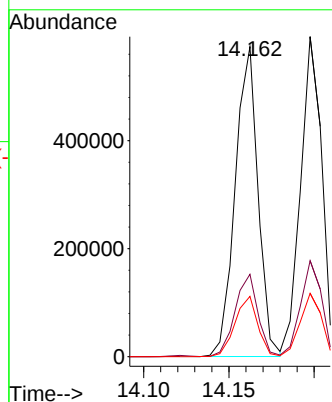
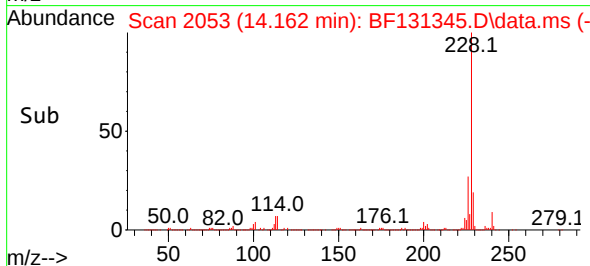
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



Tgt Ion:228 Resp: 534094
Ion Ratio Lower Upper
228 100
226 26.6 22.0 33.0
229 19.4 15.7 23.5

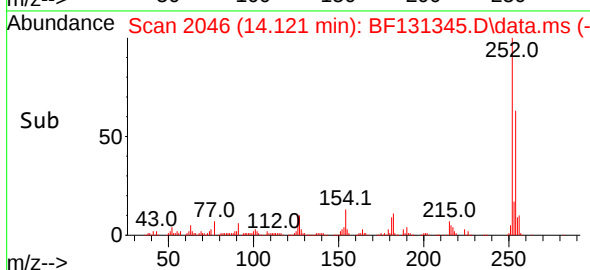
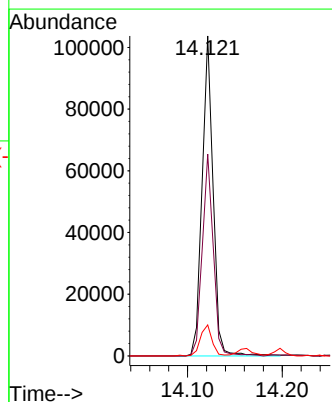
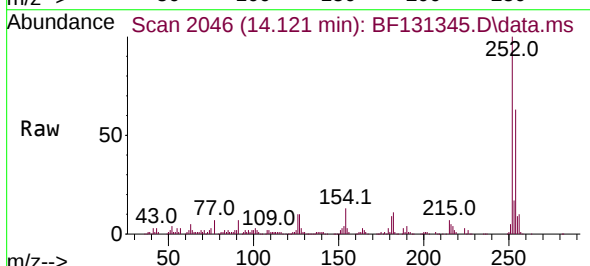
Manual Integrations
APPROVED

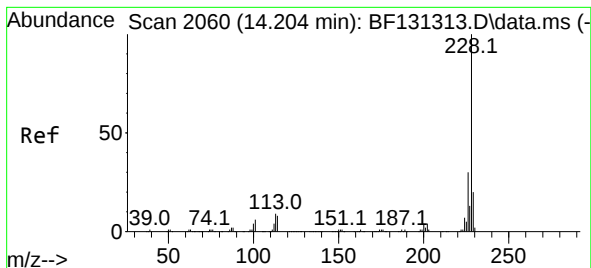
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#82
3,3'-Dichlorobenzidine
Concen: 25.684 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Tgt Ion:252 Resp: 83625
Ion Ratio Lower Upper
252 100
254 63.1 50.8 76.2
126 9.7 8.3 12.5





#83

Chrysene

Concen: 42.681 ng

RT: 14.198 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

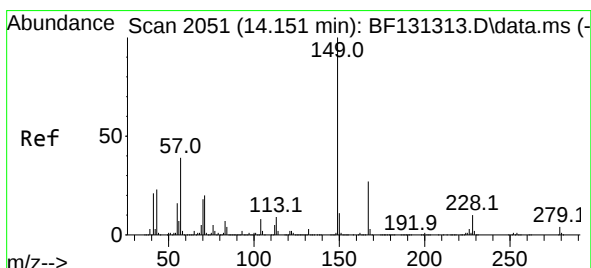
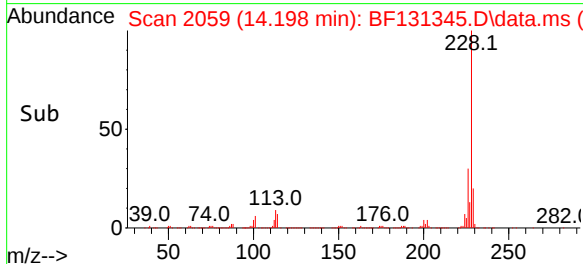
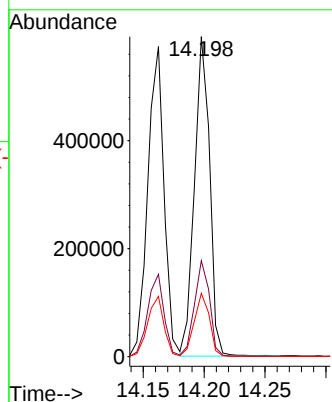
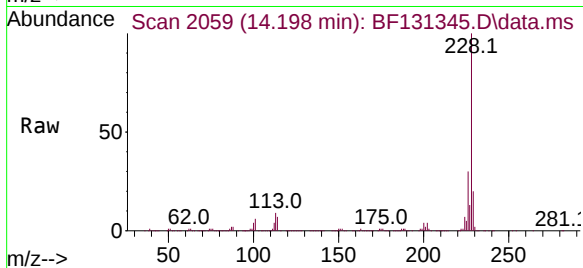
Tgt Ion:228 Resp: 51378

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.7	35.5
229	19.8	16.2	24.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.783 ng

RT: 14.145 min Scan# 2050

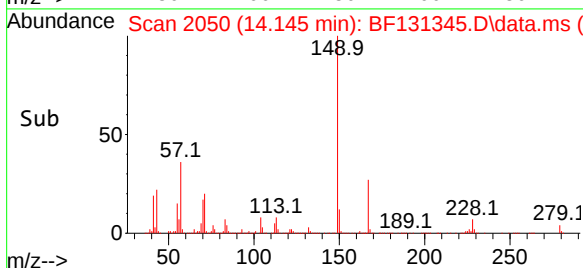
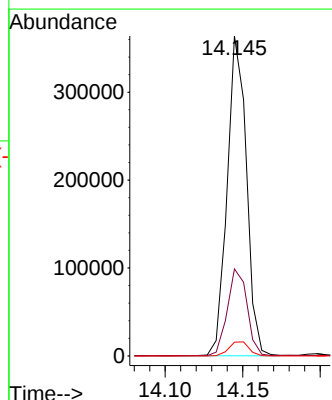
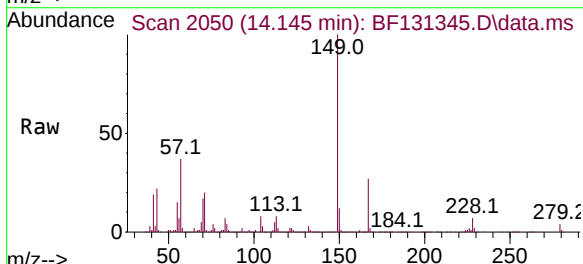
Delta R.T. -0.006 min

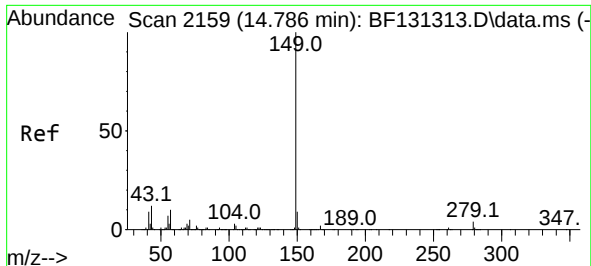
Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Tgt Ion:149 Resp: 313857

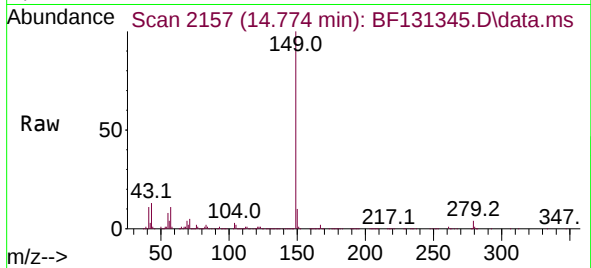
Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.9	32.9
279	4.3	3.0	4.4





#85
Di-n-octyl phthalate
Concen: 53.353 ng
RT: 14.774 min Scan# 2159
Delta R.T. -0.012 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

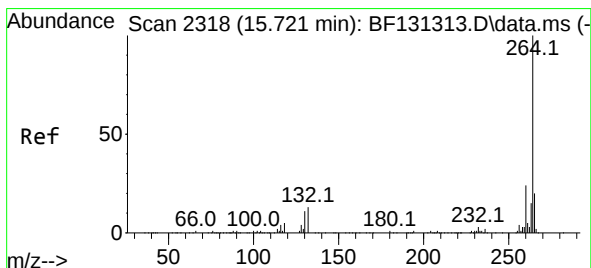
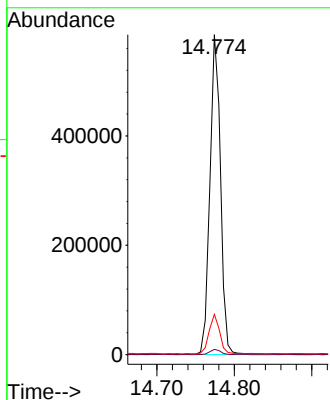
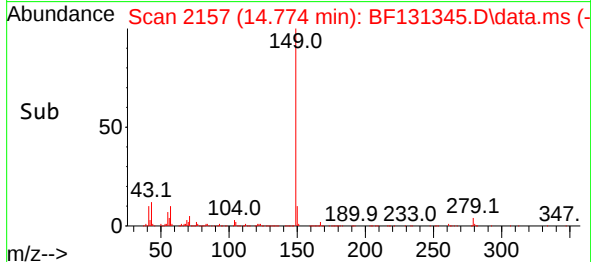
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD



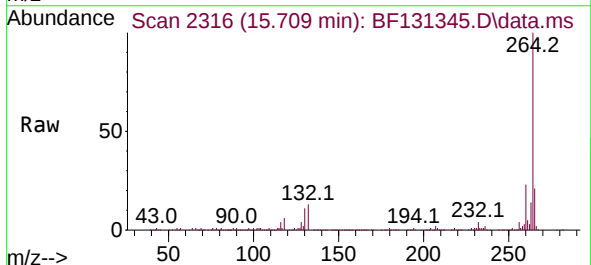
Tgt Ion:149 Resp: 552800
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 12.5 10.7 16.1

Manual Integrations
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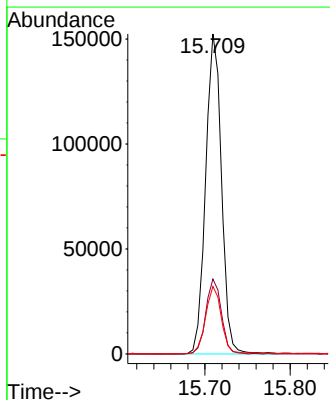
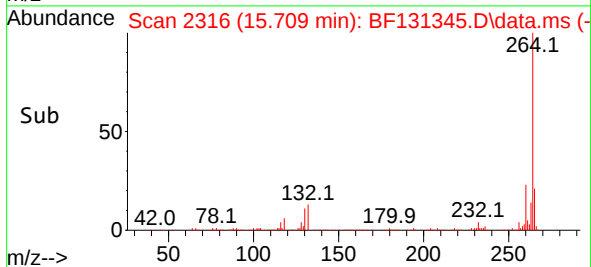
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

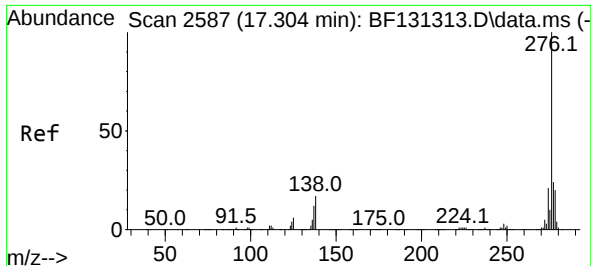


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.709 min Scan# 2316
Delta R.T. -0.012 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



Tgt Ion:264 Resp: 196619
Ion Ratio Lower Upper
264 100
260 23.4 19.0 28.4
265 21.1 16.4 24.6





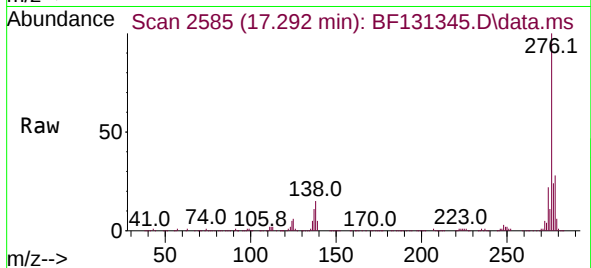
#87
Indeno(1,2,3-cd)pyrene
Concen: 38.791 ng
RT: 17.292 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

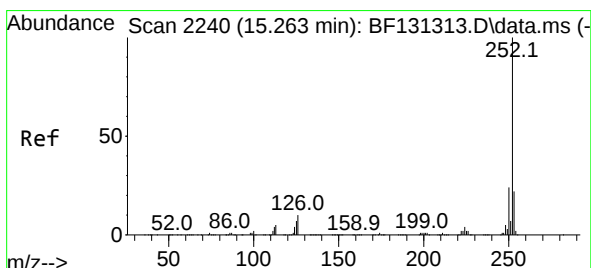
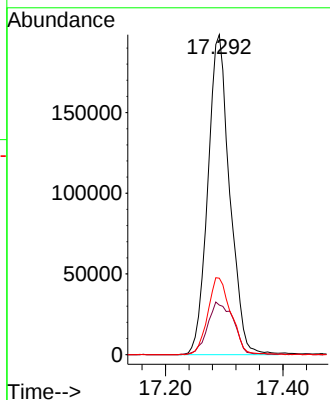
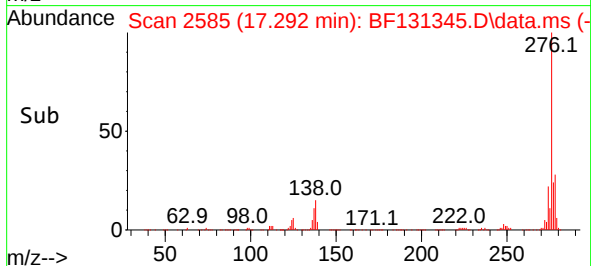


Tgt Ion:276 Resp: 512276
Ion Ratio Lower Upper
276 100
138 19.5 15.8 23.6
277 25.5 20.3 30.5

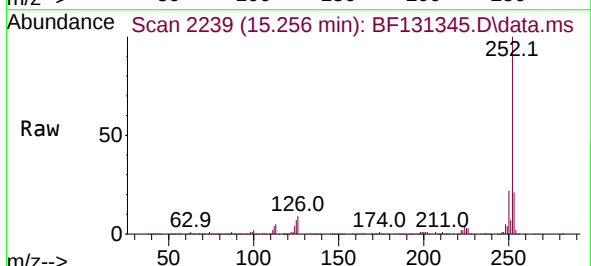
Manual Integrations

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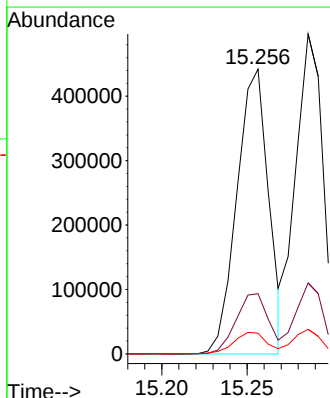
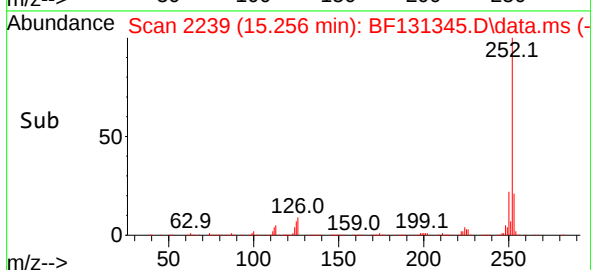
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

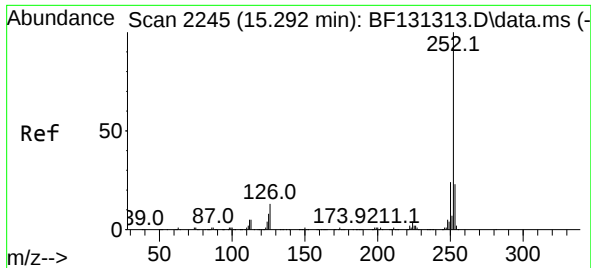


#88
Benzo(b)fluoranthene
Concen: 43.802 ng
RT: 15.256 min Scan# 2239
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21



Tgt Ion:252 Resp: 572131
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 7.3 5.8 8.6





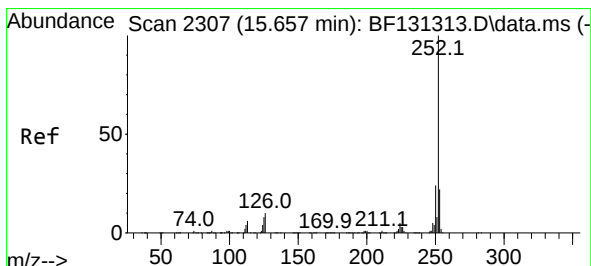
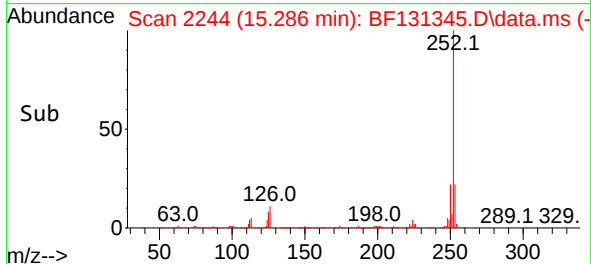
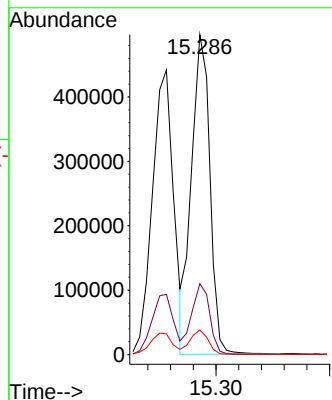
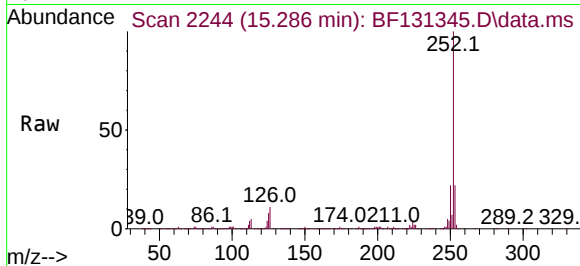
#89
Benzo(k)fluoranthene
Concen: 41.695 ng
RT: 15.286 min Scan# 2244
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MSD

Tgt Ion:252 Resp: 559678
Ion Ratio Lower Upper
252 100
253 22.2 17.9 26.9
125 7.7 6.6 10.0

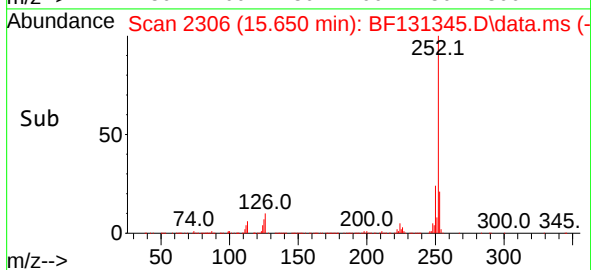
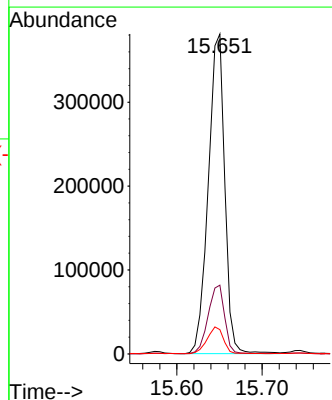
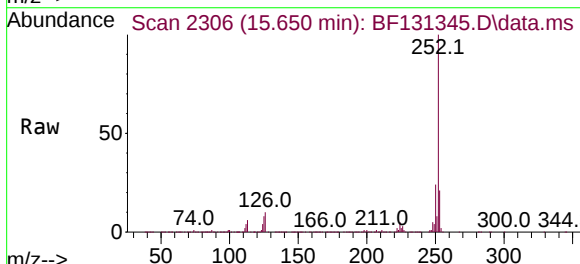
Manual Integrations
APPROVED

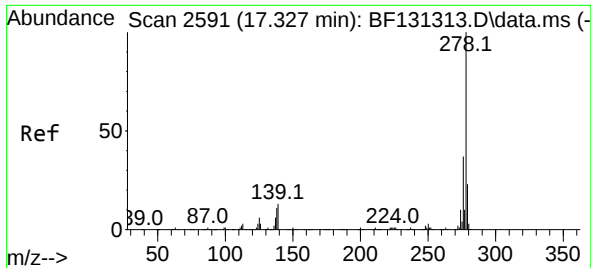
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#90
Benzo(a)pyrene
Concen: 47.742 ng
RT: 15.650 min Scan# 2306
Delta R.T. -0.006 min
Lab File: BF131345.D
Acq: 22 Nov 2022 23:21

Tgt Ion:252 Resp: 511675
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 7.6 6.1 9.1





#91

Dibenzo(a,h)anthracene

Concen: 40.101 ng

RT: 17.315 min Scan# 2589

Delta R.T. -0.012 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MSD

Tgt Ion:278 Resp: 437214

Ion Ratio Lower Upper

278 100

139 12.2 10.4 15.6

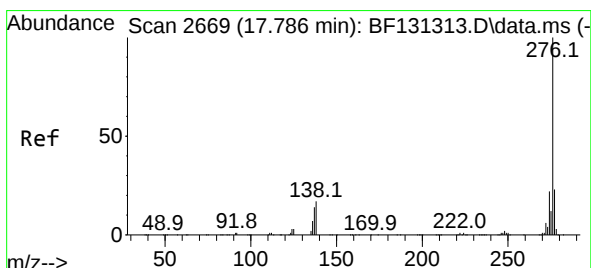
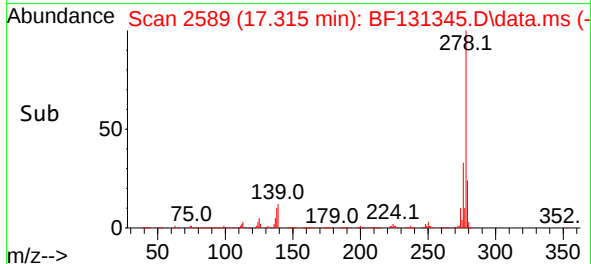
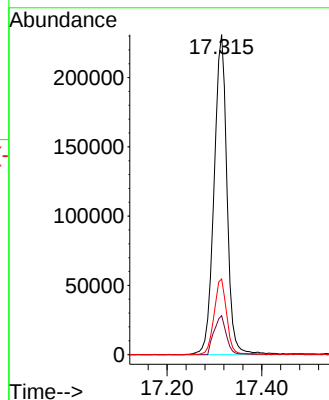
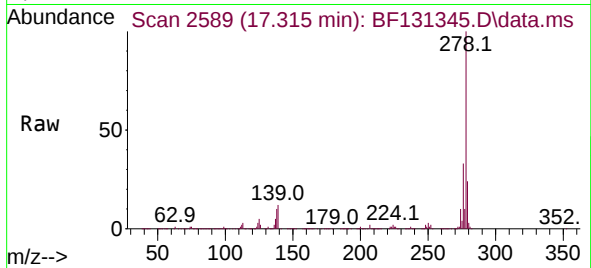
279 23.6 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#92

Benzo(g,h,i)perylene

Concen: 36.321 ng

RT: 17.774 min Scan# 2667

Delta R.T. -0.012 min

Lab File: BF131345.D

Acq: 22 Nov 2022 23:21

Tgt Ion:276 Resp: 395235

Ion Ratio Lower Upper

276 100

277 22.8 18.3 27.5

138 17.1 13.8 20.6

