

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112222\
 Data File : BF131344.D
 Acq On : 22 Nov 2022 22:49
 Operator : CG\JU
 Sample : N5641-16MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-16MS

Manual Integrations
 APPROVED

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

Quant Time: Nov 23 04:20:04 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	98724	20.000	ng	0.00
21) Naphthalene-d8	8.257	136	359618	20.000	ng	# 0.00
39) Acenaphthene-d10	10.022	164	194841	20.000	ng	0.00
64) Phenanthrene-d10	11.516	188	308805	20.000	ng	0.00
76) Chrysene-d12	14.174	240	181325	20.000	ng	0.00
86) Perylene-d12	15.710	264	203163	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.581	112	678643	130.830	ng	0.01
7) Phenol-d6	6.587	99	858319	129.689	ng	0.00
23) Nitrobenzene-d5	7.534	82	555481	77.863	ng	0.00
42) 2,4,6-Tribromophenol	10.816	330	221584	135.177	ng	0.00
45) 2-Fluorobiphenyl	9.334	172	975979	72.873	ng	0.00
79) Terphenyl-d14	13.110	244	763168	68.826	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.858	88	107735	43.565	ng	98
3) Pyridine	3.610	79	279008	40.632	ng	97
4) n-Nitrosodimethylamine	3.581	42	183803	45.389	ng	95
6) Aniline	6.628	93	174906m	20.165	ng	
8) 2-Chlorophenol	6.745	128	292787	49.822	ng	99
9) Benzaldehyde	6.516	77	170128	42.428	ng	96
10) Phenol	6.598	94	347000	47.289	ng	99
11) bis(2-Chloroethyl)ether	6.698	93	278181	45.248	ng	97
12) 1,3-Dichlorobenzene	6.904	146	318549	45.481	ng	98
13) 1,4-Dichlorobenzene	6.981	146	320404	45.021	ng	98
14) 1,2-Dichlorobenzene	7.134	146	307310	46.897	ng	97
15) Benzyl Alcohol	7.104	79	265882	48.996	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.240	45	519715	44.202	ng	99
17) 2-Methylphenol	7.210	107	235624	47.042	ng	98
18) Hexachloroethane	7.481	117	121469	47.712	ng	98
19) n-Nitroso-di-n-propyla...	7.381	70	217168	44.823	ng	95
20) 3+4-Methylphenols	7.363	107	299442	46.822	ng	95
22) Acetophenone	7.381	105	415786	45.422	ng	# 96
24) Nitrobenzene	7.551	77	328358	44.176	ng	100
25) Isophorone	7.793	82	589521	46.318	ng	98
26) 2-Nitrophenol	7.869	139	140478	56.501	ng	95
27) 2,4-Dimethylphenol	7.898	122	261374	52.972	ng	98
28) bis(2-Chloroethoxy)met...	7.998	93	345523	47.796	ng	99
29) 2,4-Dichlorophenol	8.110	162	246919	46.135	ng	95
30) 1,2,4-Trichlorobenzene	8.192	180	284677	42.936	ng	100
31) Naphthalene	8.281	128	809795	42.256	ng	99
32) Benzoic acid	7.998	122	116165	40.377	ng	90
33) 4-Chloroaniline	8.322	127	39839	5.269	ng	96
34) Hexachlorobutadiene	8.392	225	181910	42.371	ng	96
35) Caprolactam	8.698	113	70738m	50.296	ng	
36) 4-Chloro-3-methylphenol	8.798	107	263526	47.393	ng	94
37) 2-Methylnaphthalene	8.969	142	544604	41.942	ng	100
38) 1-Methylnaphthalene	9.069	142	516239	41.000	ng	98
40) 1,2,4,5-Tetrachloroben...	9.134	216	284244	44.955	ng	99
41) Hexachlorocyclopentadiene	9.122	237	310471	109.229	ng	98
43) 2,4,6-Trichlorophenol	9.245	196	182897	50.991	ng	99

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 QLast Update : Tue Nov 22 01:17:52 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.281	196	192056	47.617	ng	94
46) 1,1'-Biphenyl	9.439	154	677530	45.568	ng	99
47) 2-Chloronaphthalene	9.463	162	532949	44.682	ng	98
48) 2-Nitroaniline	9.557	65	177790	49.092	ng	97
49) Acenaphthylene	9.886	152	798747	43.930	ng	100
50) Dimethylphthalate	9.739	163	615860	45.366	ng	99
51) 2,6-Dinitrotoluene	9.798	165	133031	49.001	ng	95
52) Acenaphthene	10.057	154	518587	45.548	ng	99
53) 3-Nitroaniline	9.969	138	57682	20.677	ng	97
54) 2,4-Dinitrophenol	10.075	184	79264	68.512	ng	88
55) Dibenzofuran	10.228	168	709012	43.285	ng	99
56) 4-Nitrophenol	10.122	139	180343	93.148	ng	97
57) 2,4-Dinitrotoluene	10.204	165	166786	48.827	ng	97
58) Fluorene	10.575	166	545845	42.699	ng	97
59) 2,3,4,6-Tetrachlorophenol	10.339	232	155814	46.387	ng	100
60) Diethylphthalate	10.445	149	579047	45.174	ng	99
61) 4-Chlorophenyl-phenyle...	10.563	204	286279	43.684	ng	99
62) 4-Nitroaniline	10.592	138	115818	41.716	ng	95
63) Azobenzene	10.728	77	576659	41.840	ng	94
65) 4,6-Dinitro-2-methylph...	10.610	198	59714	45.747	ng	93
66) n-Nitrosodiphenylamine	10.681	169	475878	48.362	ng	98
67) 4-Bromophenyl-phenylether	11.057	248	178124	47.063	ng	98
68) Hexachlorobenzene	11.116	284	186837	46.512	ng	99
69) Atrazine	11.210	200	165318	54.567	ng	99
70) Pentachlorophenol	11.310	266	175277	75.393	ng	99
71) Phenanthrene	11.539	178	721378	43.225	ng	99
72) Anthracene	11.592	178	724853	44.195	ng	100
73) Carbazole	11.745	167	602007	43.030	ng	99
74) Di-n-butylphthalate	12.075	149	774149	46.959	ng	99
75) Fluoranthene	12.733	202	665459	37.841	ng	100
77) Benzidine	12.857	184	189876	56.691	ng	97
78) Pyrene	12.969	202	641195	40.079	ng	100
80) Butylbenzylphthalate	13.586	149	244948	45.725	ng	95
81) Benzo(a)anthracene	14.163	228	543413	43.722	ng	99
82) 3,3'-Dichlorobenzidine	14.121	252	75826	22.991	ng	99
83) Chrysene	14.198	228	520133	42.655	ng	100
84) Bis(2-ethylhexyl)phtha...	14.145	149	322897	45.425	ng	99
85) Di-n-octyl phthalate	14.774	149	551133	52.711	ng	98
87) Indeno(1,2,3-cd)pyrene	17.292	276	557402	40.849	ng	100
88) Benzo(b)fluoranthene	15.257	252	583423	43.228	ng	100
89) Benzo(k)fluoranthene	15.286	252	580064	41.822	ng	99
90) Benzo(a)pyrene	15.651	252	528831	47.753	ng	100
91) Dibenzo(a,h)anthracene	17.315	278	478895	42.509	ng	98
92) Benzo(g,h,i)perylene	17.774	276	429970	38.240	ng	98

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

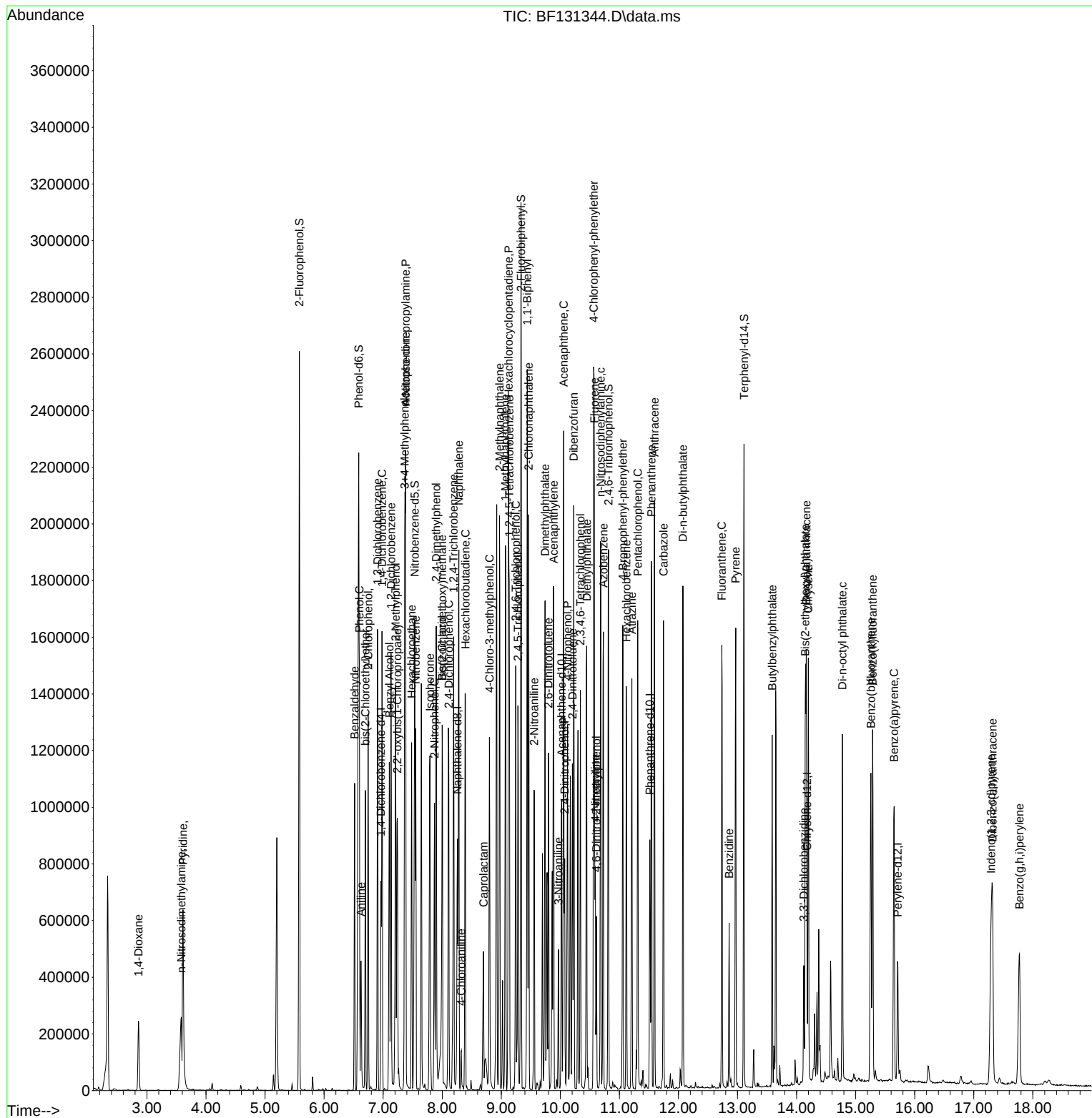
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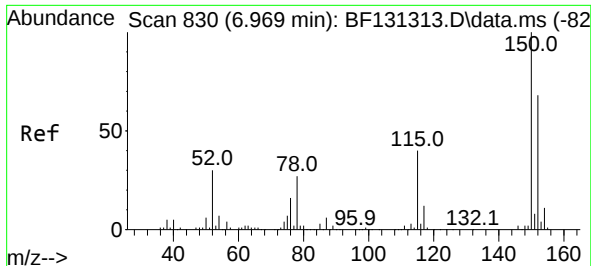
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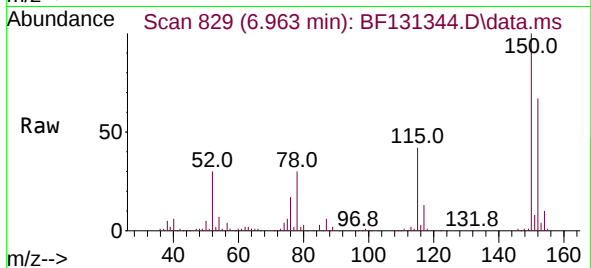
Reviewed By : Christian Giraldo 11/23/2022
 Supervised By : Jagrut Upadhyay 11/23/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

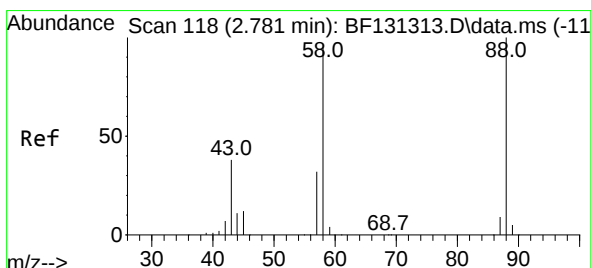
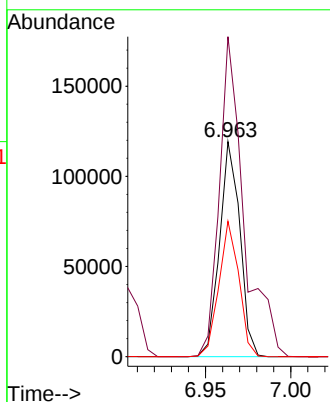
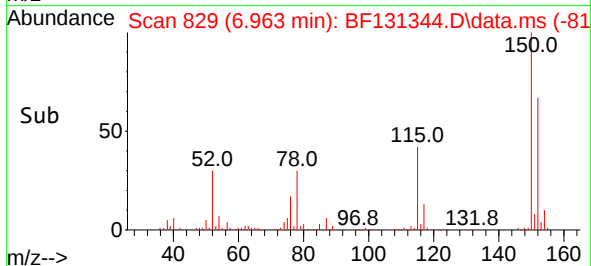
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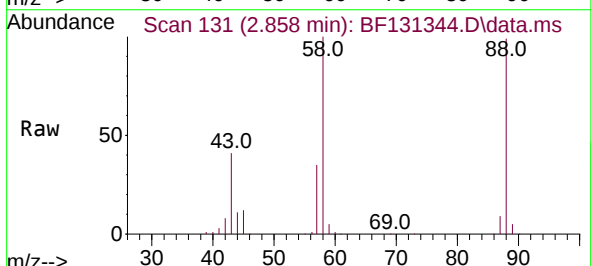
Tgt Ion:152 Resp: 98724
Ion Ratio Lower Upper
152 100
150 148.8 117.8 176.8
115 62.9 47.1 70.7

Manual Integrations
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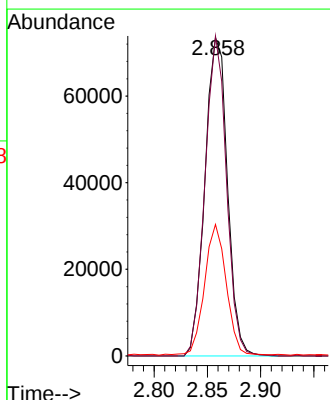
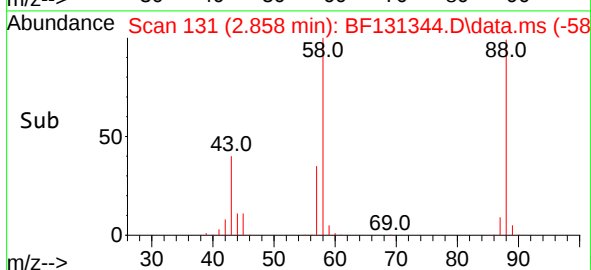
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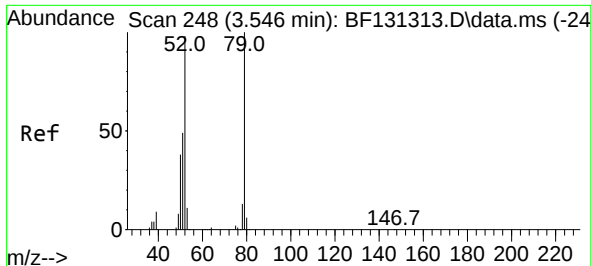


#2
1,4-Dioxane
Concen: 43.565 ng
RT: 2.858 min Scan# 131
Delta R.T. 0.077 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



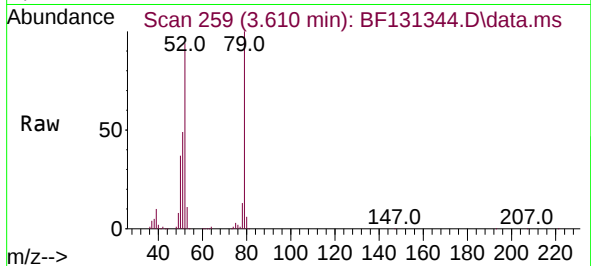
Tgt Ion: 88 Resp: 107735
Ion Ratio Lower Upper
88 100
58 95.8 78.2 117.4
43 39.7 31.6 47.4





#3
Pyridine
Concen: 40.632 ng
RT: 3.610 min Scan# 21
Delta R.T. 0.065 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

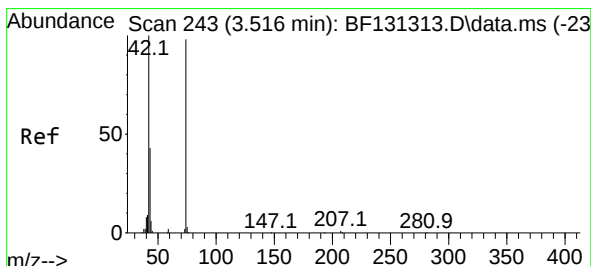
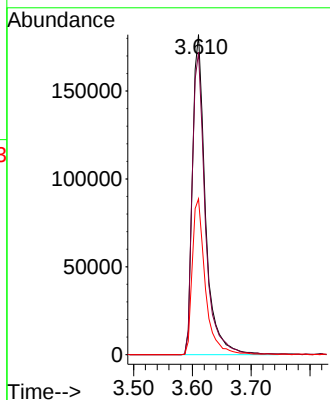
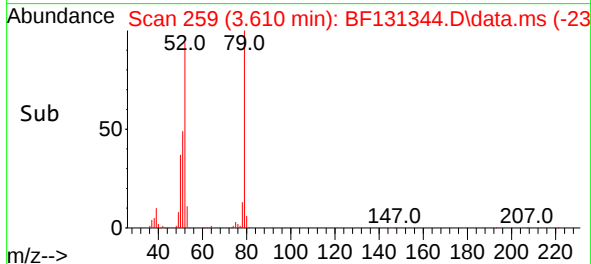
Instrument :
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ClientSampleId :
SOIL-PILE-16MS



Tgt Ion: 79 Resp: 279008
Ion Ratio Lower Upper
79 100
52 94.4 78.7 118.1
51 48.7 39.3 58.9

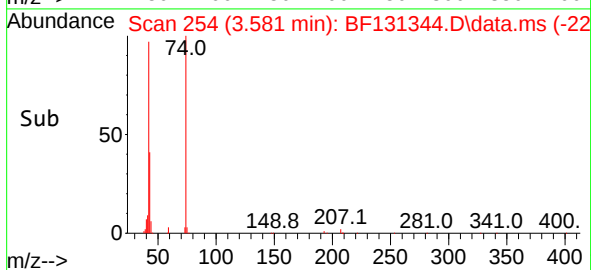
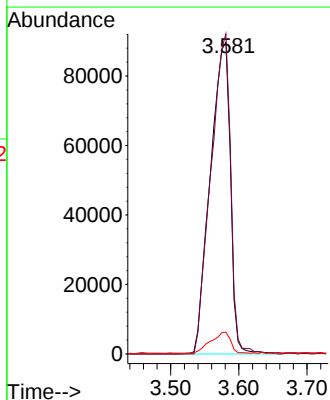
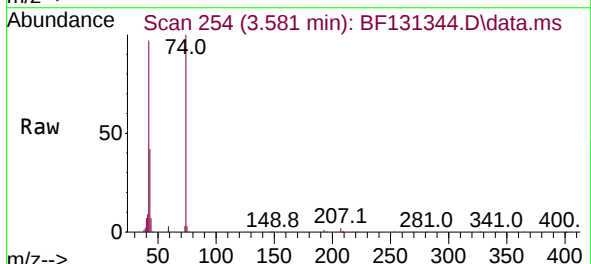
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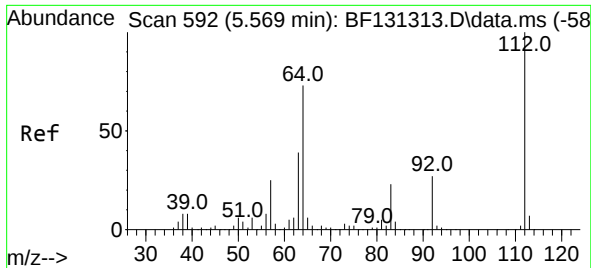
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#4
n-Nitrosodimethylamine
Concen: 45.389 ng
RT: 3.581 min Scan# 254
Delta R.T. 0.065 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Tgt Ion: 42 Resp: 183803
Ion Ratio Lower Upper
42 100
74 102.7 78.0 117.0
44 7.0 5.2 7.8





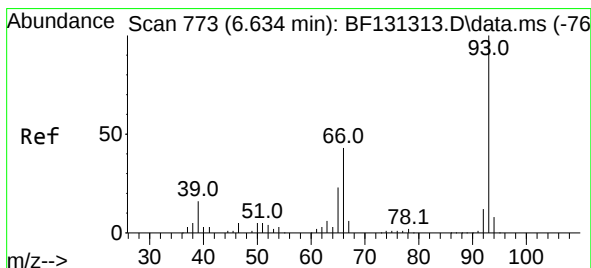
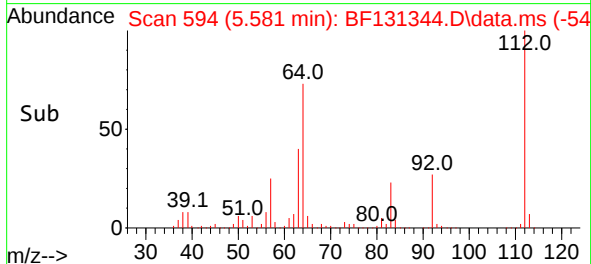
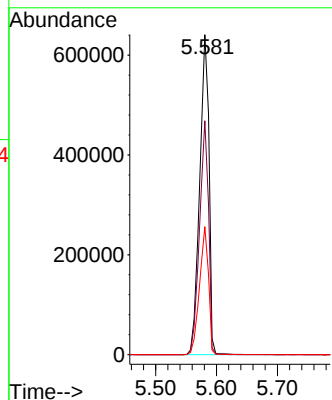
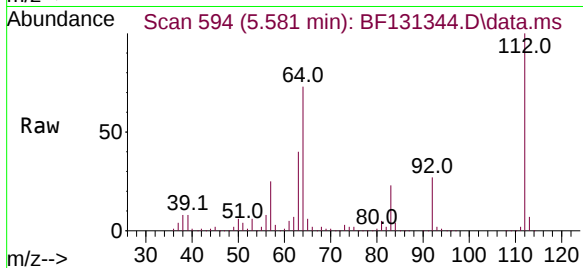
#5
2-Fluorophenol
Concen: 130.830 ng
RT: 5.581 min Scan# 592
Delta R.T. 0.012 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS

Tgt Ion:112 Resp: 678643
Ion Ratio Lower Upper
112 100
64 73.1 58.6 88.0
63 40.0 31.4 47.0

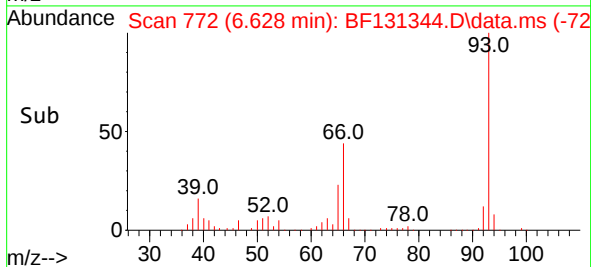
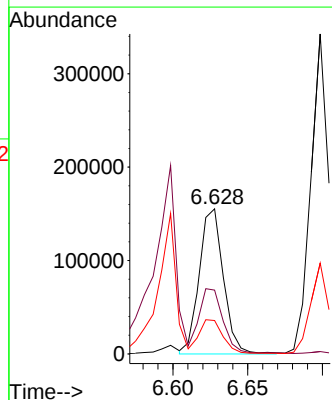
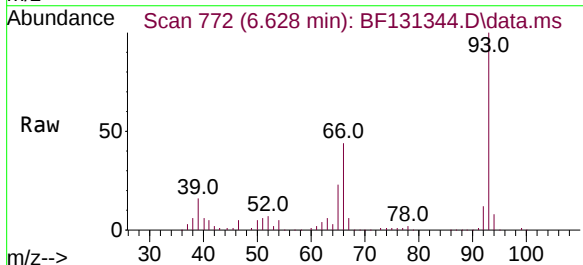
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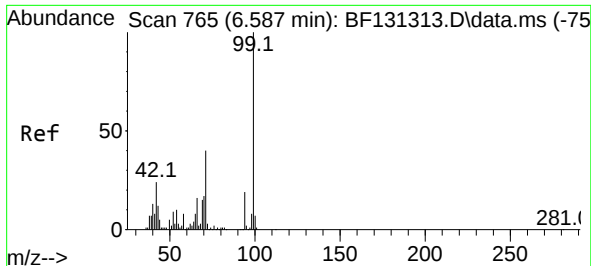
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#6
Aniline
Concen: 20.165 ng m
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

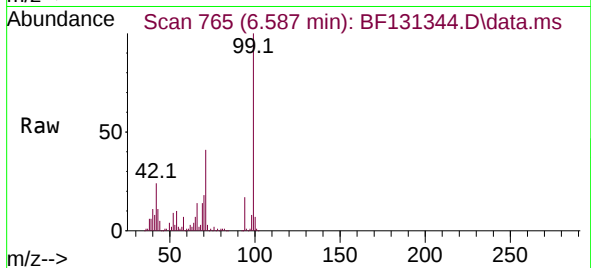
Tgt Ion: 93 Resp: 174906
Ion Ratio Lower Upper
93 100
66 44.0 35.6 53.4
65 22.9 18.4 27.6





#7
Phenol-d6
Concen: 129.689 ng
RT: 6.587 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF131344.D
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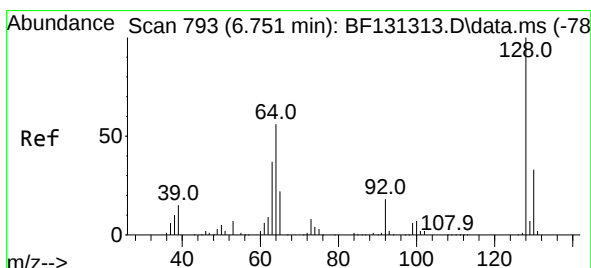
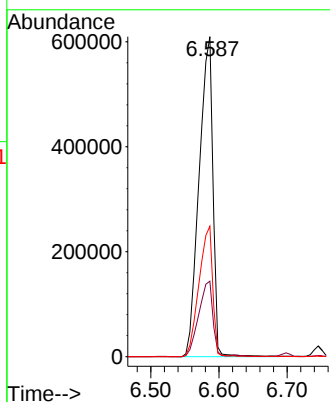
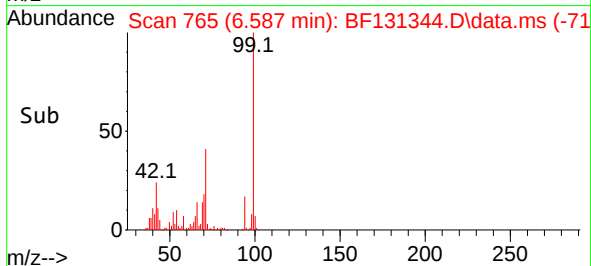
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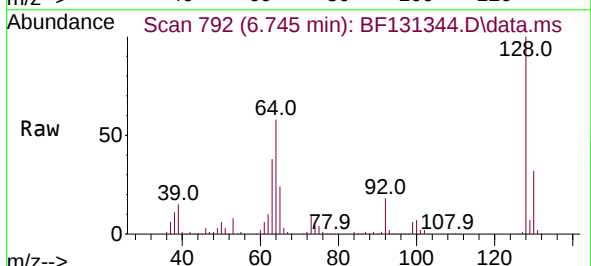
Tgt Ion: 99 Resp: 858319
Ion Ratio Lower Upper
99 100
42 23.6 19.4 29.2
71 40.8 32.3 48.5

Manual Integrations
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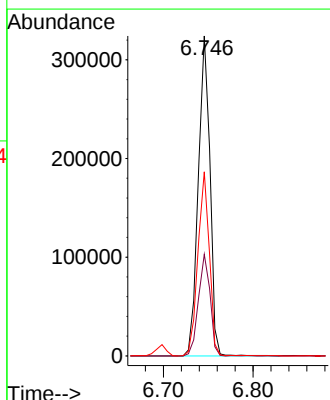
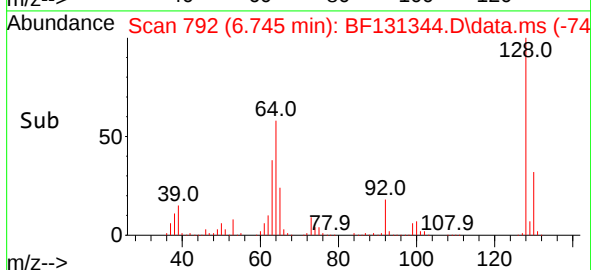
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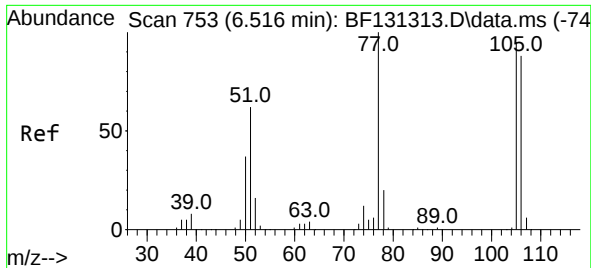


#8
2-Chlorophenol
Concen: 49.822 ng
RT: 6.745 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



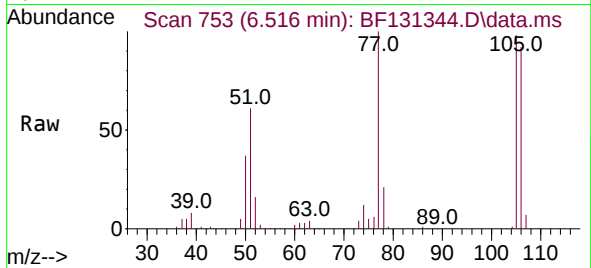
Tgt Ion:128 Resp: 292787
Ion Ratio Lower Upper
128 100
130 31.7 12.5 52.5
64 57.5 36.9 76.9





#9
Benzaldehyde
Concen: 42.428 ng
RT: 6.516 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF131344.D
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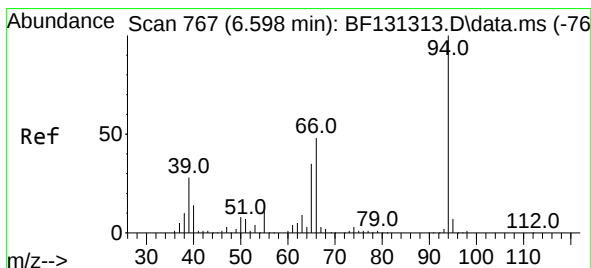
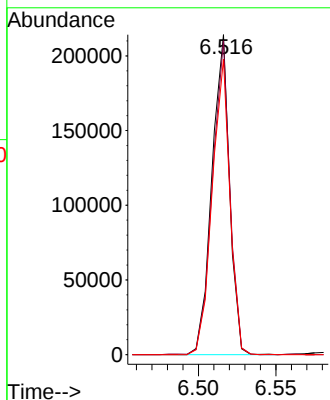
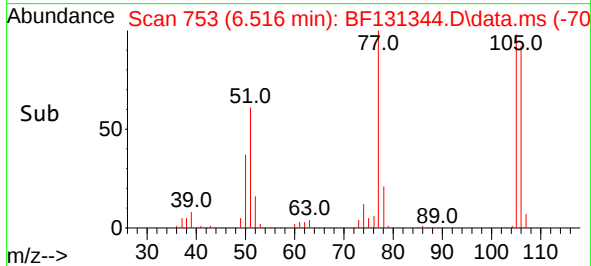
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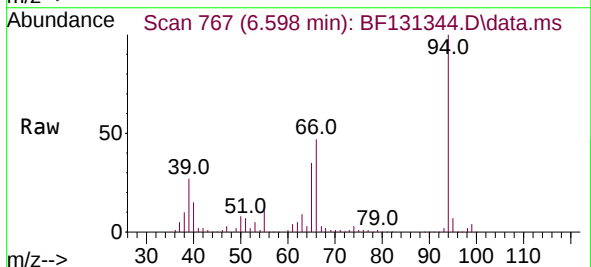
Tgt Ion: 77 Resp: 170128
Ion Ratio Lower Upper
77 100
105 98.1 74.5 114.5
106 92.4 68.1 108.1

Manual Integrations
APPROVED

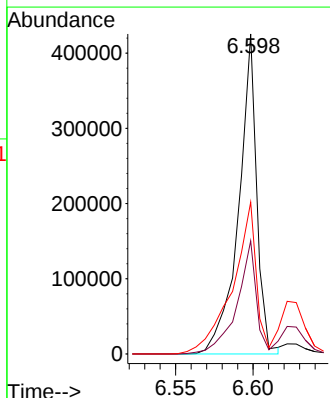
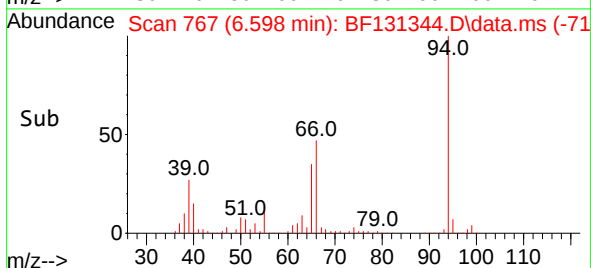
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

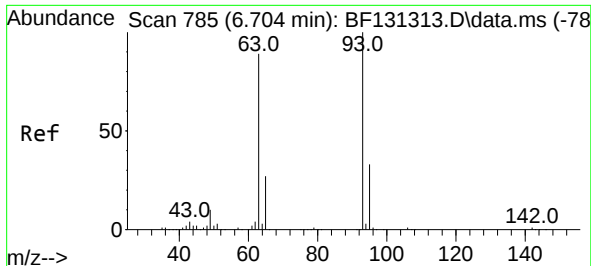


#10
Phenol
Concen: 47.289 ng
RT: 6.598 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



Tgt Ion: 94 Resp: 347000
Ion Ratio Lower Upper
94 100
65 35.3 15.0 55.0
66 47.4 28.6 68.6





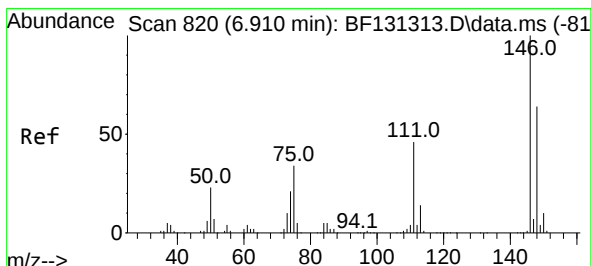
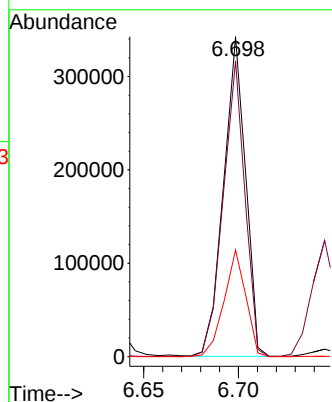
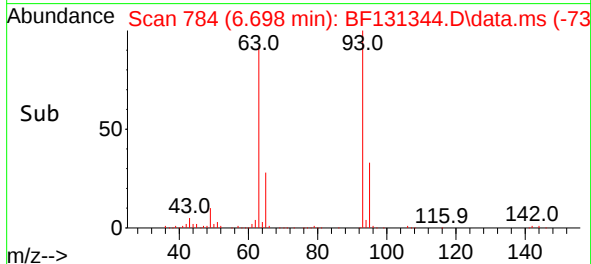
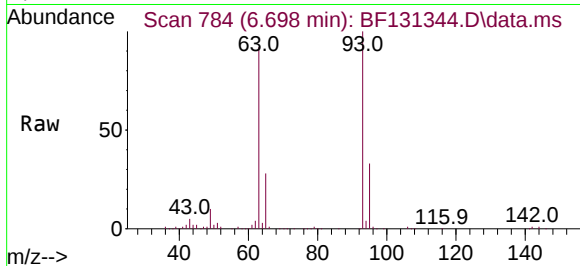
#11
bis(2-Chloroethyl)ether
Concen: 45.248 ng
RT: 6.698 min Scan# 785
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS

Tgt Ion: 93 Resp: 27818
Ion Ratio Lower Upper
93 100
63 92.4 68.6 108.6
95 33.3 13.1 53.1

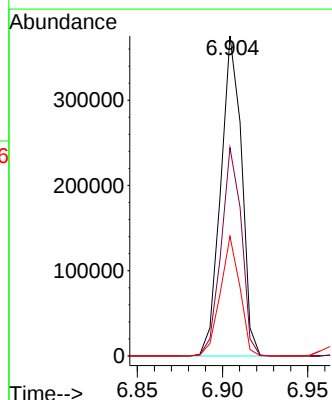
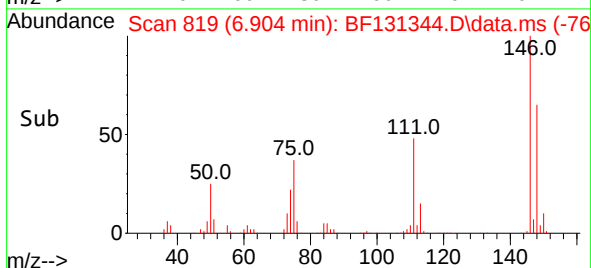
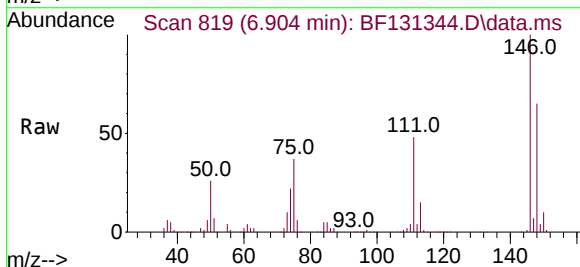
Manual Integrations
APPROVED

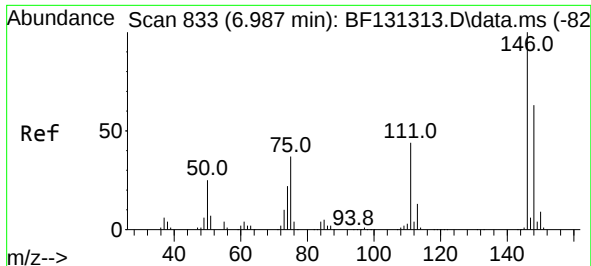
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#12
1,3-Dichlorobenzene
Concen: 45.481 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Tgt Ion:146 Resp: 318549
Ion Ratio Lower Upper
146 100
148 65.1 51.4 77.2
75 37.4 27.6 41.4





#13

1,4-Dichlorobenzene

Concen: 45.021 ng

RT: 6.981 min Scan# 831

Delta R.T. -0.006 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

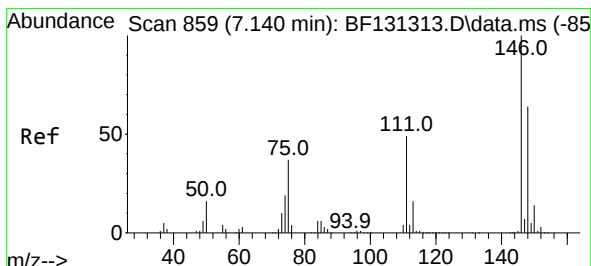
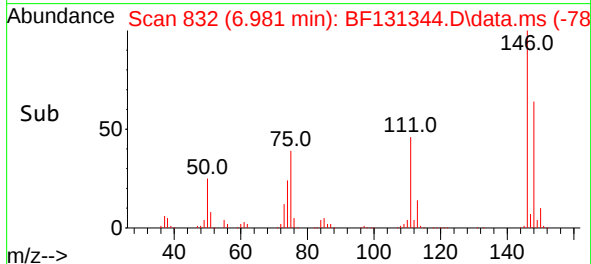
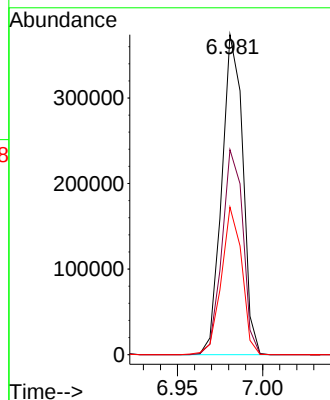
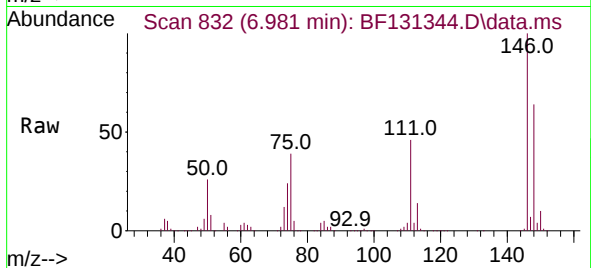
SOIL-PILE-16MS

Tgt Ion:146 Resp: 320404
 Ion Ratio Lower Upper
 146 100
 148 64.0 50.2 75.2
 111 46.1 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: 46.897 ng

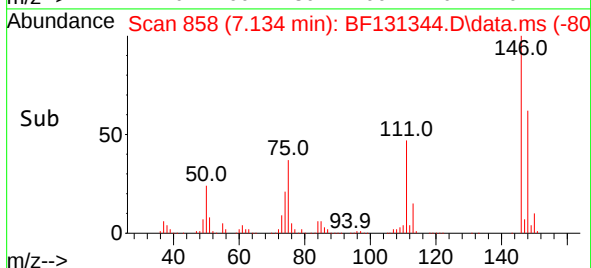
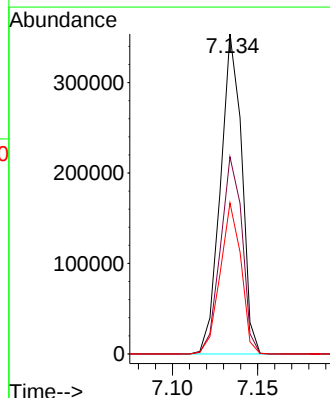
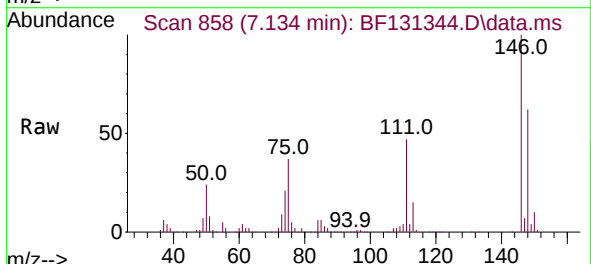
RT: 7.134 min Scan# 858

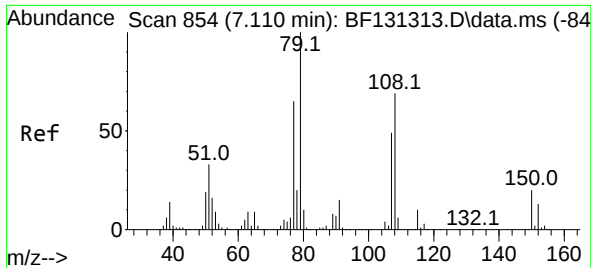
Delta R.T. -0.006 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

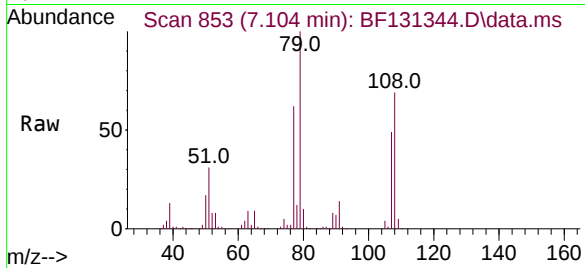
Tgt Ion:146 Resp: 307310
 Ion Ratio Lower Upper
 146 100
 148 61.6 51.4 77.0
 111 47.2 39.4 59.0





#15
Benzyl Alcohol
Concen: 48.996 ng
RT: 7.104 min Scan# 853
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

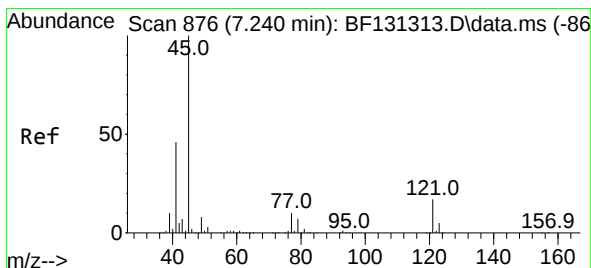
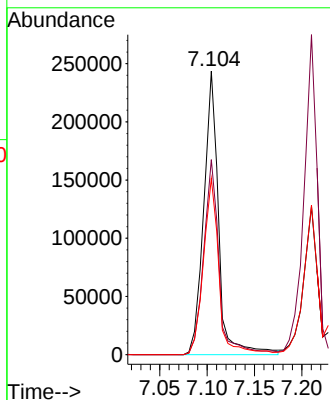
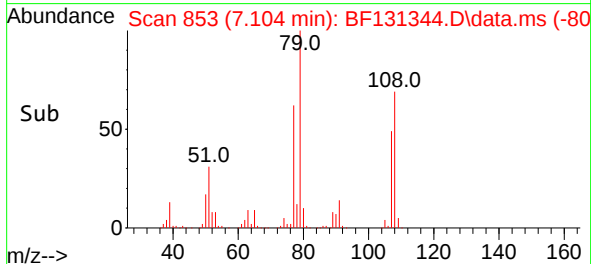
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



Tgt Ion: 79 Resp: 265882
Ion Ratio Lower Upper
79 100
108 68.8 55.1 82.7
77 62.1 51.8 77.8

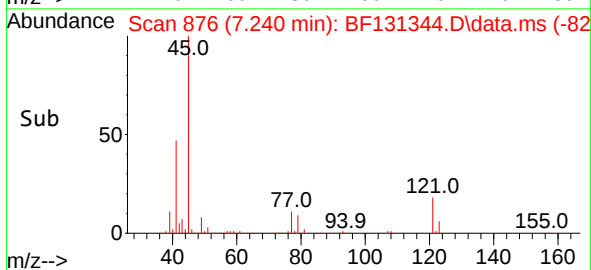
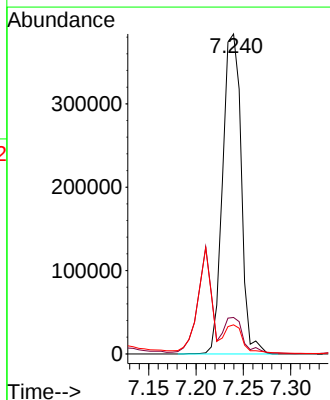
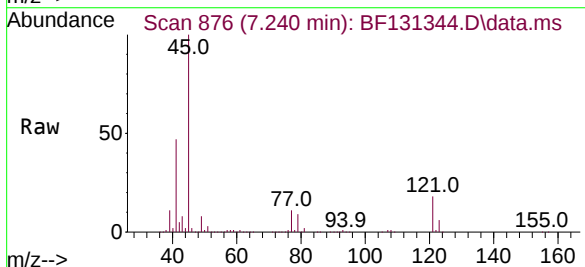
Manual Integrations
APPROVED

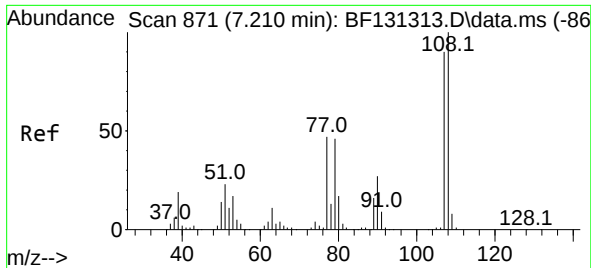
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 44.202 ng
RT: 7.240 min Scan# 876
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

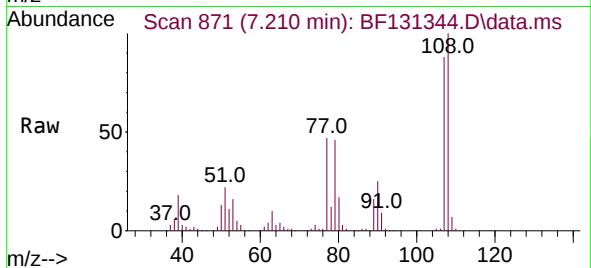
Tgt Ion: 45 Resp: 519715
Ion Ratio Lower Upper
45 100
77 11.4 0.0 31.2
79 9.1 0.0 28.4





#17
2-Methylphenol
Concen: 47.042 ng
RT: 7.210 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

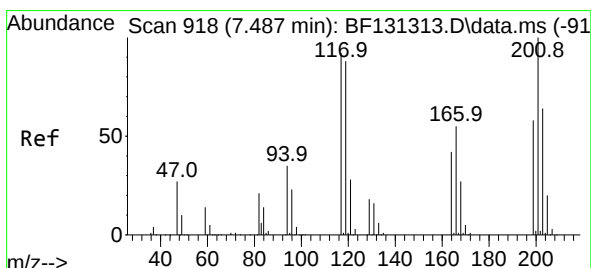
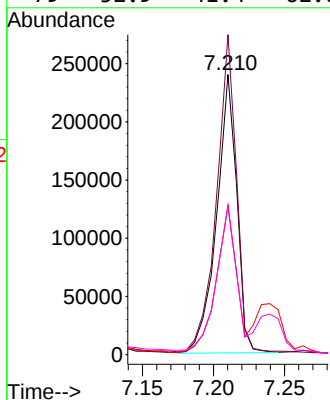
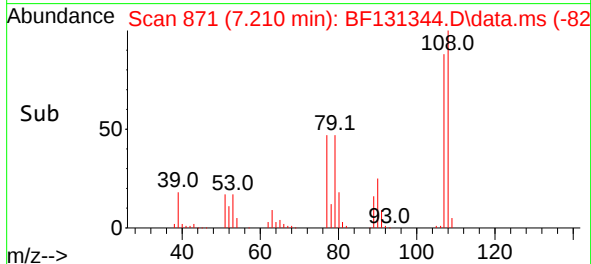
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



Tgt Ion:107 Resp: 235624
Ion Ratio Lower Upper
107 100
108 114.3 89.0 133.6
77 53.4 42.5 63.7
79 52.9 41.4 62.0

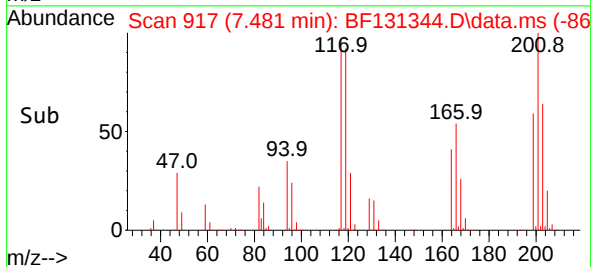
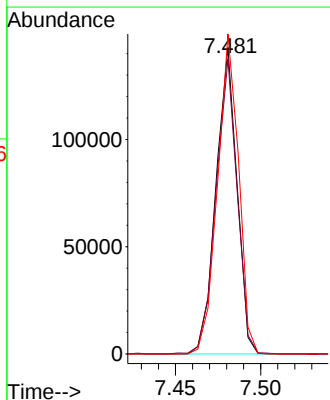
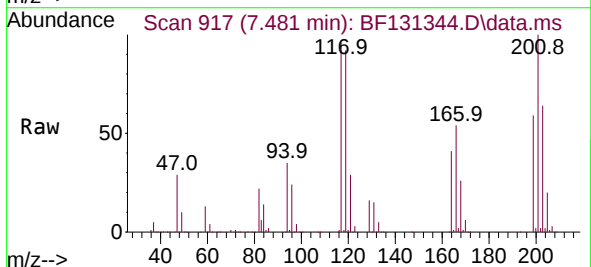
Manual Integrations
APPROVED

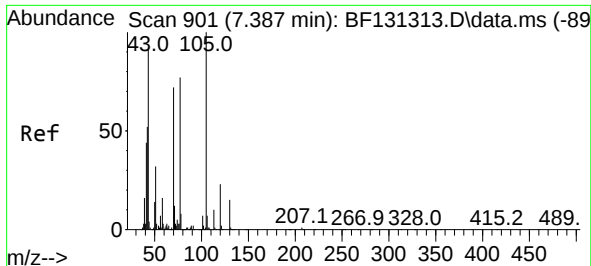
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#18
Hexachloroethane
Concen: 47.712 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

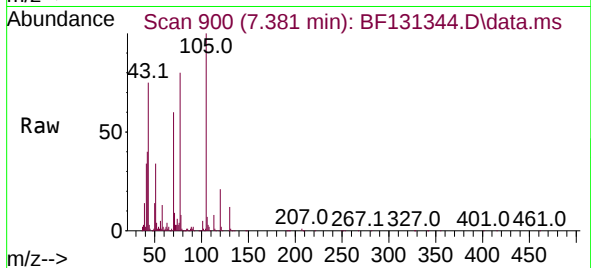
Tgt Ion:117 Resp: 121469
Ion Ratio Lower Upper
117 100
119 96.2 76.6 115.0
201 104.4 87.0 130.6





#19
n-Nitroso-di-n-propylamine
Concen: 44.823 ng
RT: 7.381 min Scan# 901
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

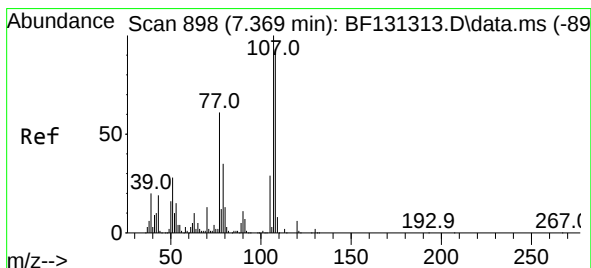
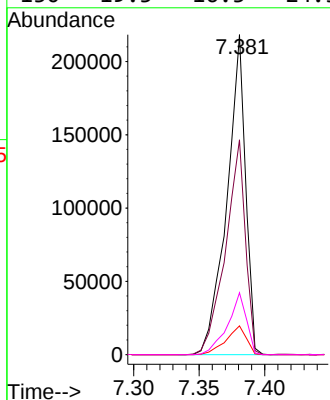
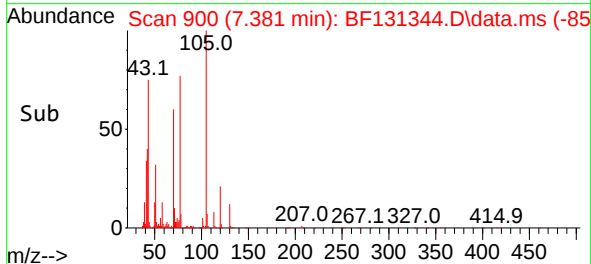
Instrument :
BNA_F
Client Sample Id :
SOIL-PILE-16MS



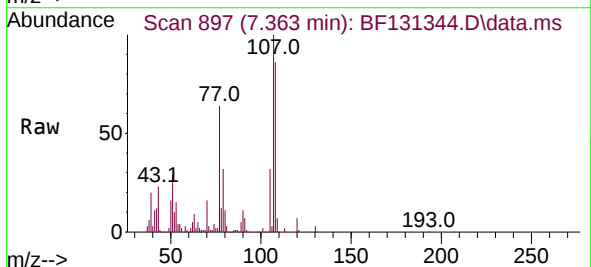
Tgt Ion: 70 Resp: 217168
Ion Ratio Lower Upper
70 100
42 67.1 57.6 86.4
101 9.0 8.2 12.2
130 19.3 16.3 24.5

Manual Integrations
APPROVED

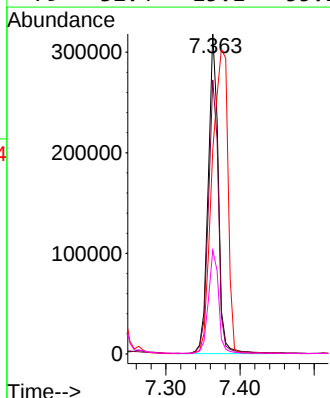
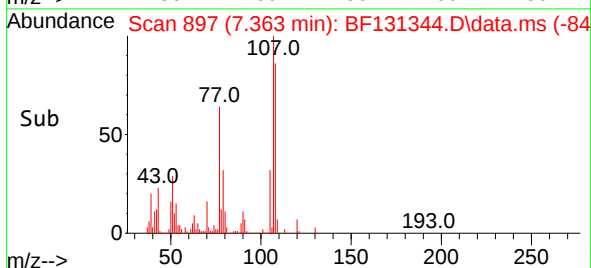
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

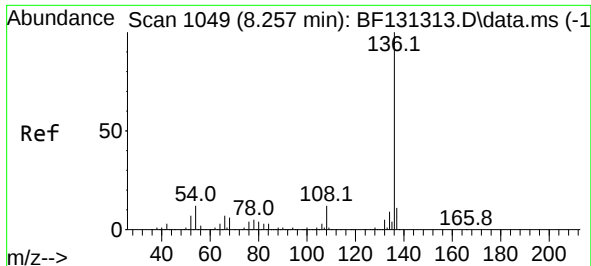


#20
3+4-Methylphenols
Concen: 46.822 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



Tgt Ion: 107 Resp: 299442
Ion Ratio Lower Upper
107 100
108 85.6 72.6 112.6
77 63.6 41.4 81.4
79 32.4 15.1 55.1





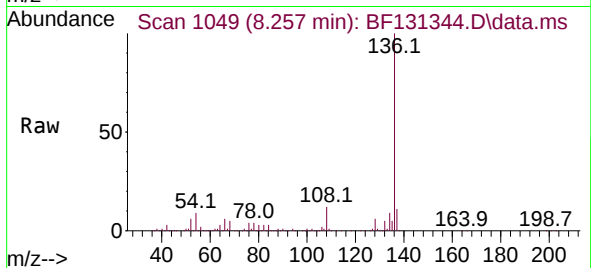
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.257 min Scan# 1049
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MS

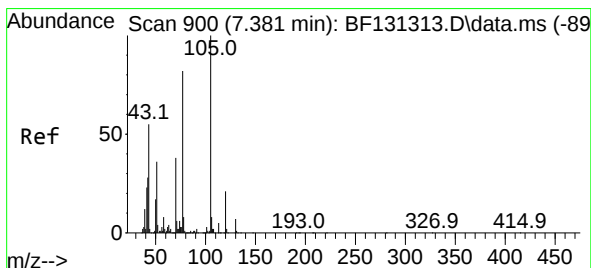
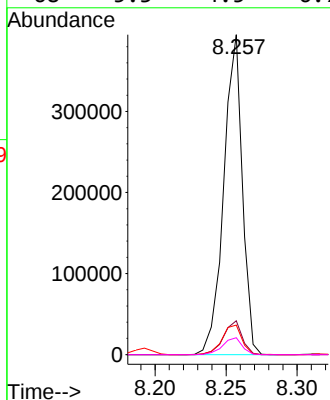
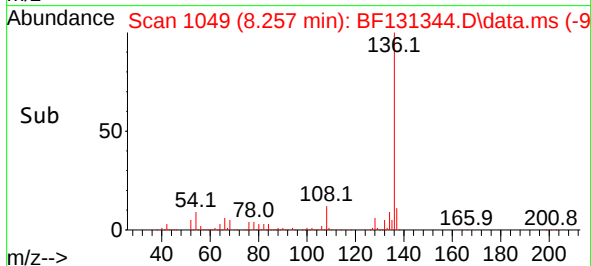


Tgt Ion:136 Resp: 359618
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 9.2 9.4 14.0
68 5.3 4.5 6.7

Manual Integrations

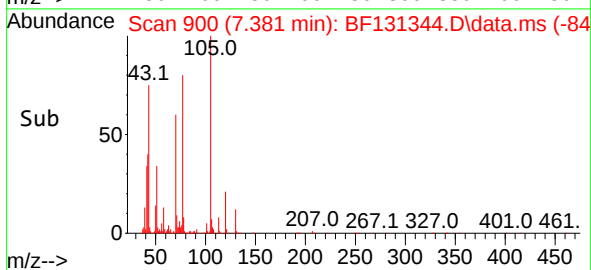
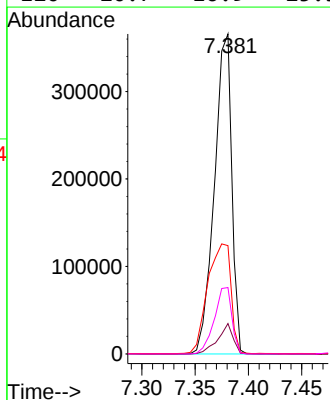
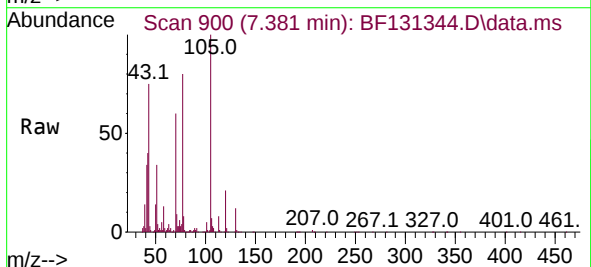
APPROVED

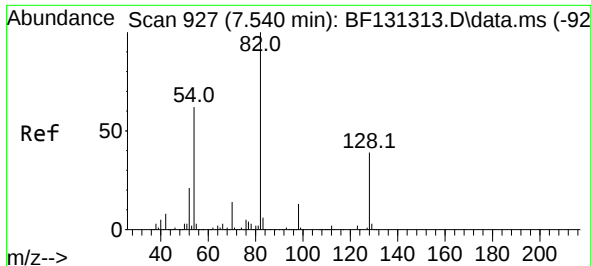
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#22
Acetophenone
Concen: 45.422 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Tgt Ion:105 Resp: 415786
Ion Ratio Lower Upper
105 100
71 9.5 4.9 7.3#
51 33.8 29.0 43.4
120 20.7 16.9 25.3





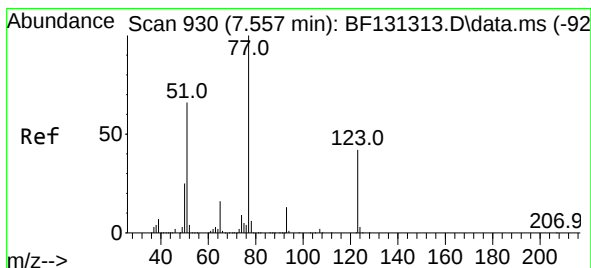
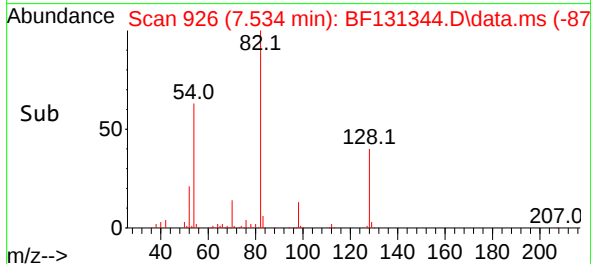
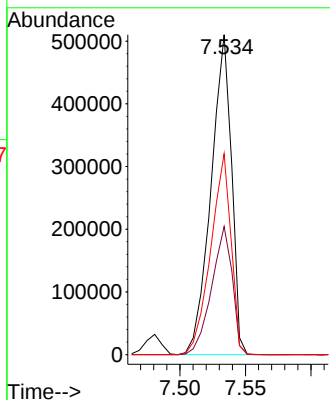
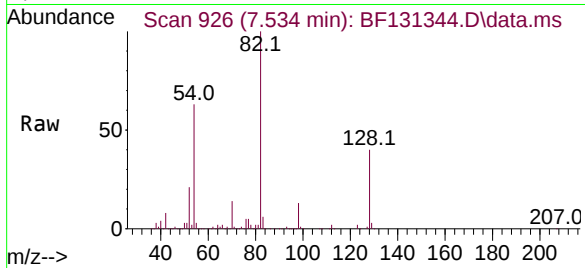
#23
Nitrobenzene-d5
Concen: 77.863 ng
RT: 7.534 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS

Tgt Ion: 82 Resp: 55548
Ion Ratio Lower Upper
82 100
128 40.0 31.4 47.0
54 62.8 49.8 74.6

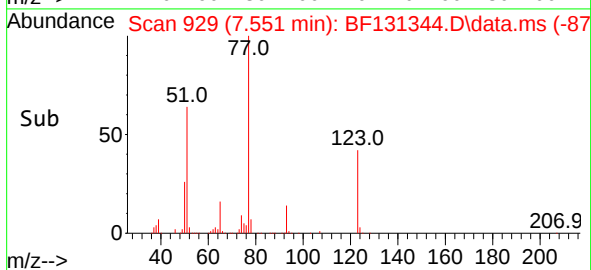
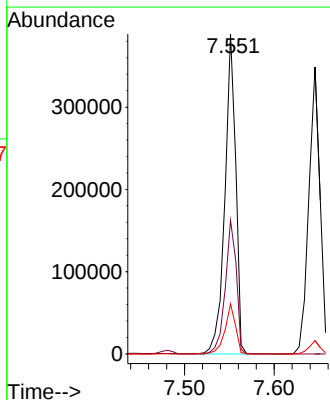
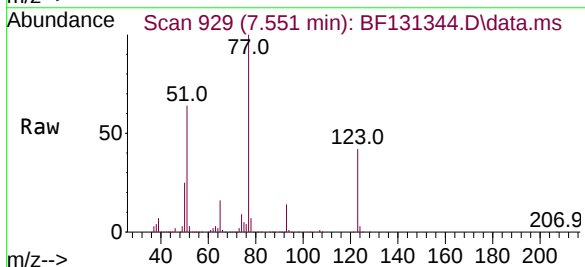
Manual Integrations
APPROVED

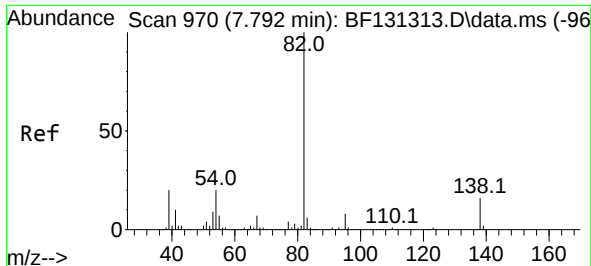
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#24
Nitrobenzene
Concen: 44.176 ng
RT: 7.551 min Scan# 929
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Tgt Ion: 77 Resp: 328358
Ion Ratio Lower Upper
77 100
123 41.8 33.3 49.9
65 15.6 12.7 19.1





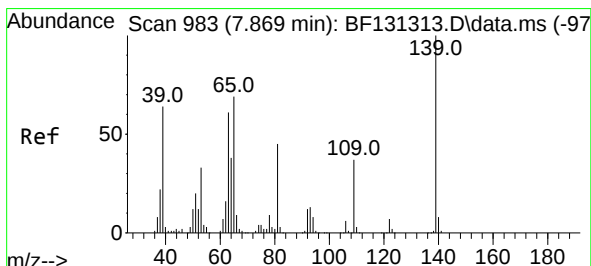
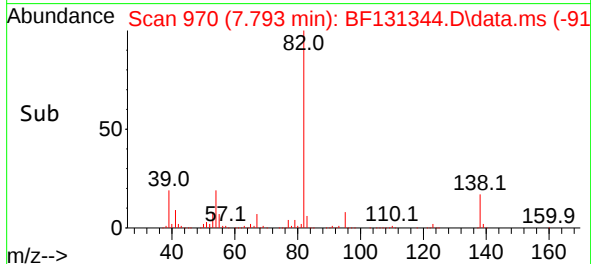
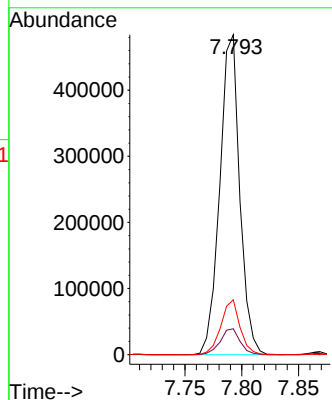
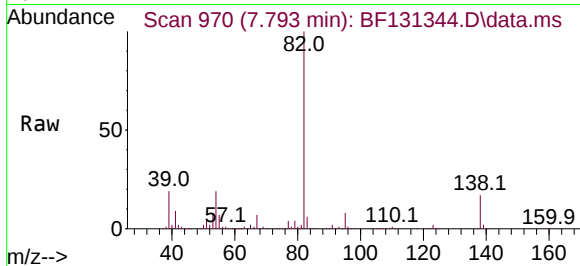
#25
Isophorone
Concen: 46.318 ng
RT: 7.793 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS

Tgt Ion: 82 Resp: 58952
Ion Ratio Lower Upper
82 100
95 8.1 6.2 9.2
138 17.1 12.7 19.1

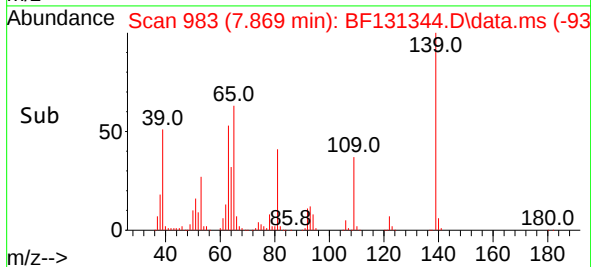
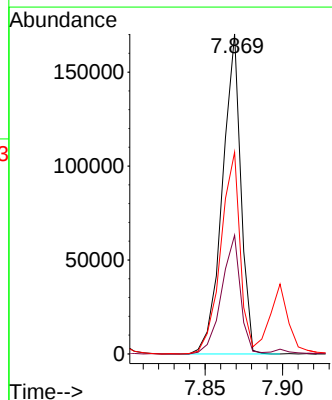
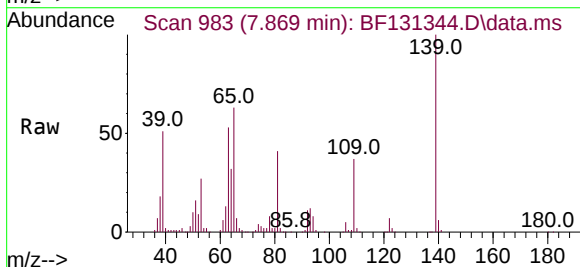
Manual Integrations
APPROVED

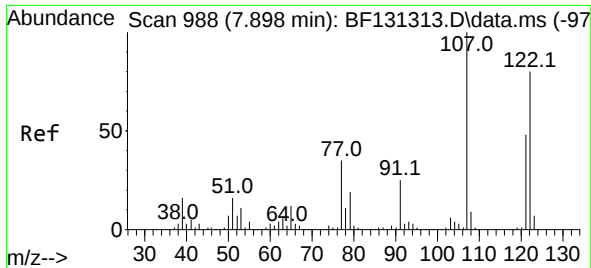
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#26
2-Nitrophenol
Concen: 56.501 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Tgt Ion:139 Resp: 140478
Ion Ratio Lower Upper
139 100
109 37.1 29.9 44.9
65 63.0 55.7 83.5





#27

2,4-Dimethylphenol

Concen: 52.972 ng

RT: 7.898 min Scan# 98

Delta R.T. 0.000 min

Lab File: BF131344.D

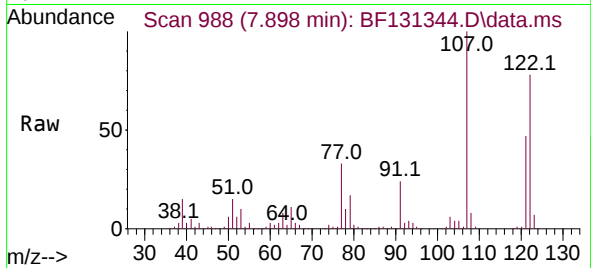
Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MS



Tgt Ion:122 Resp: 261374

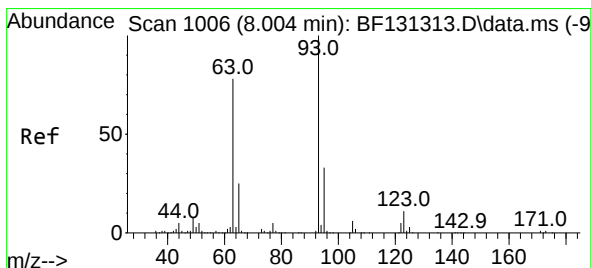
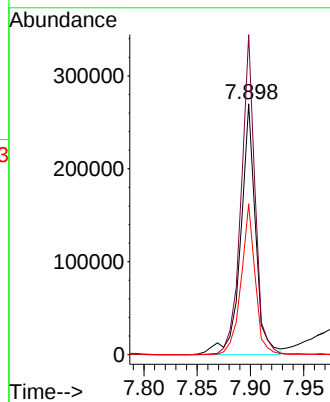
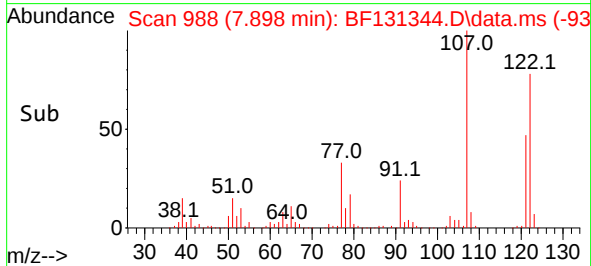
Ion	Ratio	Lower	Upper
122	100		
107	127.6	99.9	149.9
121	60.1	47.4	71.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#28

bis(2-Chloroethoxy)methane

Concen: 47.796 ng

RT: 7.998 min Scan# 1005

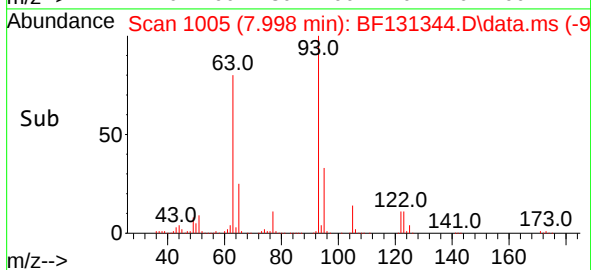
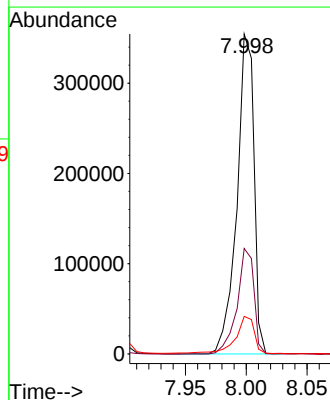
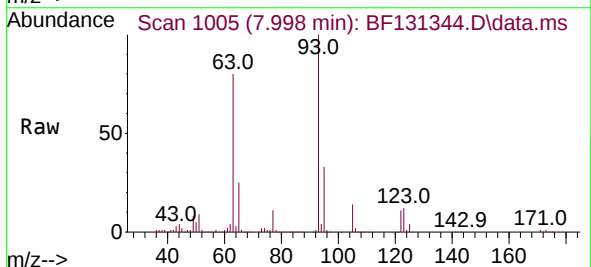
Delta R.T. -0.006 min

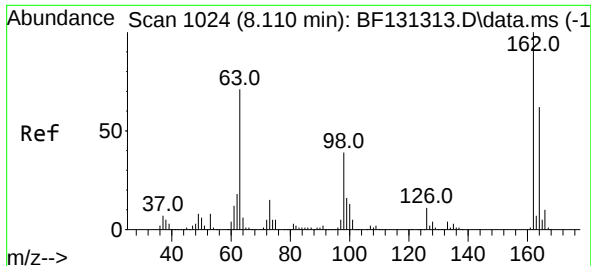
Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Tgt Ion: 93 Resp: 345523

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.4	39.6
123	11.7	8.8	13.2





#29

2,4-Dichlorophenol

Concen: 46.135 ng

RT: 8.110 min Scan# 1024

Delta R.T. 0.000 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

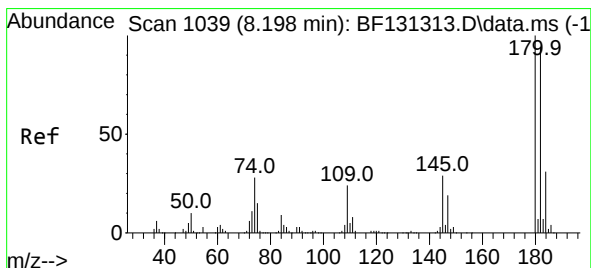
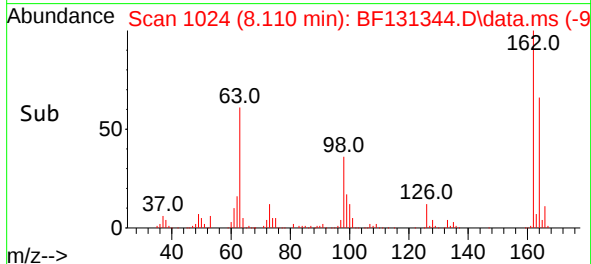
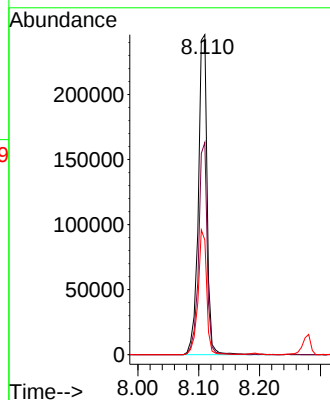
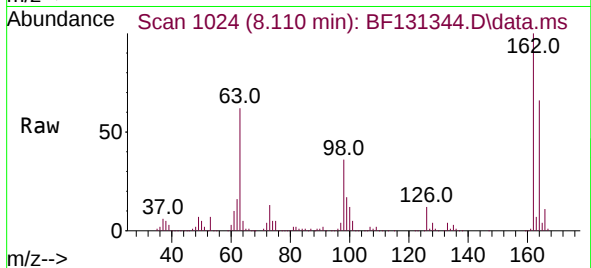
SOIL-PILE-16MS

Tgt Ion:162 Resp: 246919
 Ion Ratio Lower Upper
 162 100
 164 66.3 42.2 82.2
 98 35.8 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: 42.936 ng

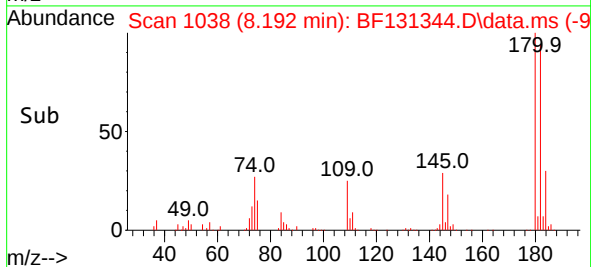
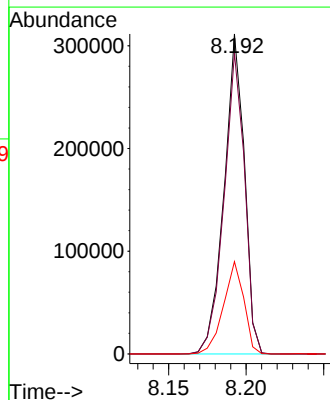
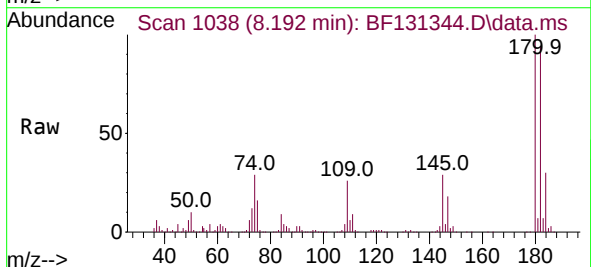
RT: 8.192 min Scan# 1038

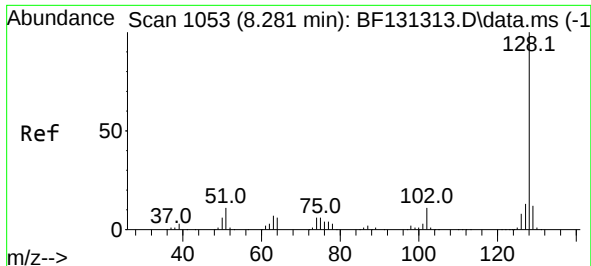
Delta R.T. -0.006 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

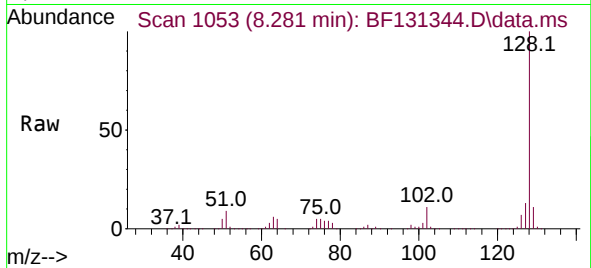
Tgt Ion:180 Resp: 284677
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.3 112.9
 145 28.8 23.4 35.0





#31
Naphthalene
Concen: 42.256 ng
RT: 8.281 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

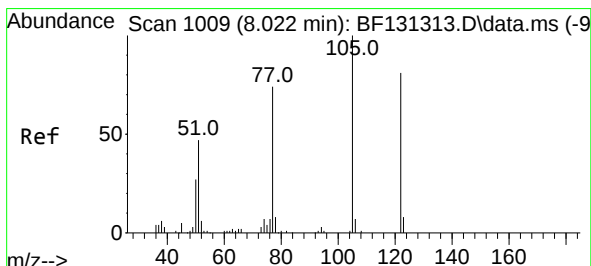
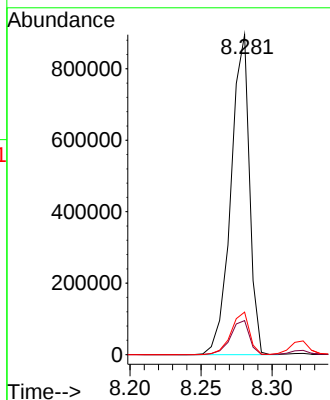
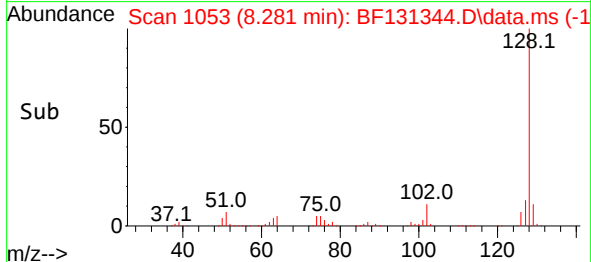
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



Tgt Ion:128 Resp: 809795
Ion Ratio Lower Upper
128 100
129 10.6 9.2 13.8
127 13.3 10.6 16.0

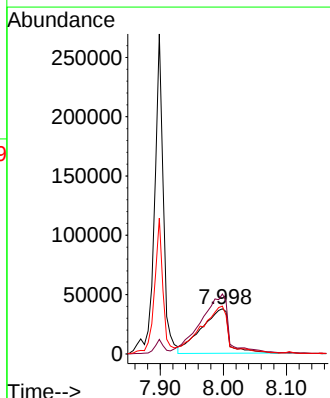
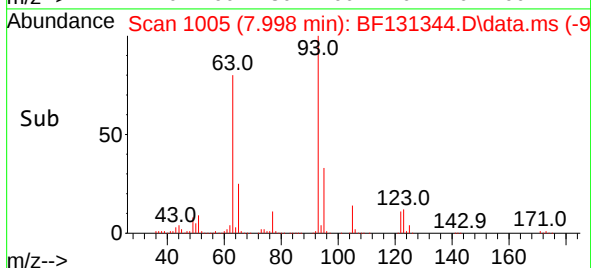
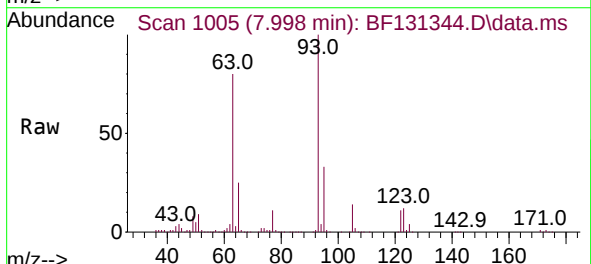
Manual Integrations
APPROVED

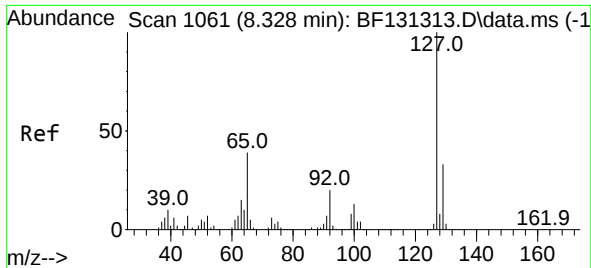
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#32
Benzoic acid
Concen: 40.377 ng
RT: 7.998 min Scan# 1005
Delta R.T. -0.024 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Tgt Ion:122 Resp: 116165
Ion Ratio Lower Upper
122 100
105 133.1 103.8 143.8
77 106.0 74.3 114.3





#33
4-Chloroaniline
Concen: 5.269 ng
RT: 8.322 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

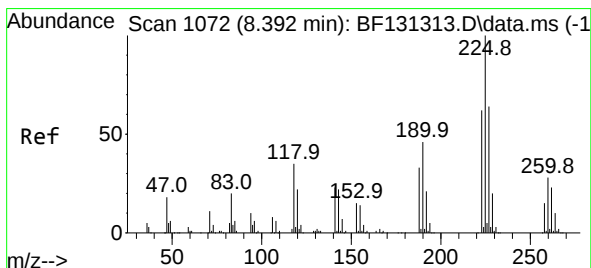
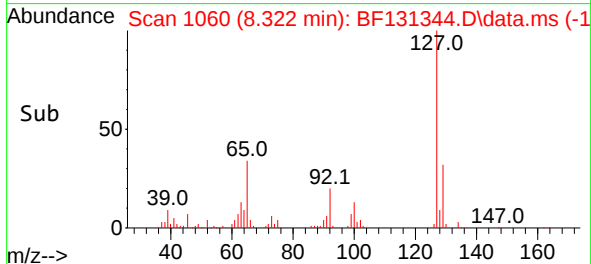
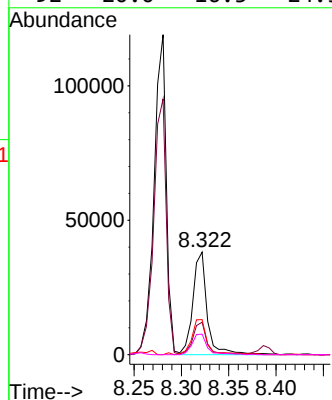
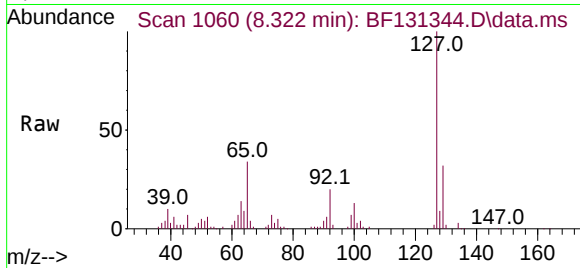
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS

Tgt Ion:127 Resp: 39839

Ion	Ratio	Lower	Upper
127	100		
129	31.7	26.4	39.6
65	34.2	31.0	46.6
92	20.0	16.3	24.5

Manual Integrations
APPROVED

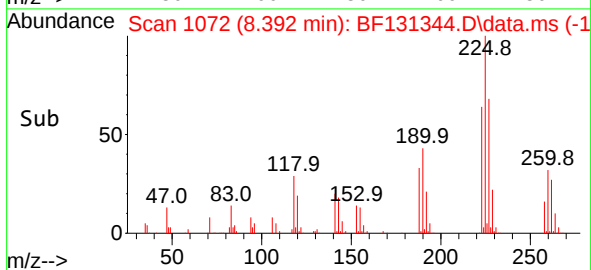
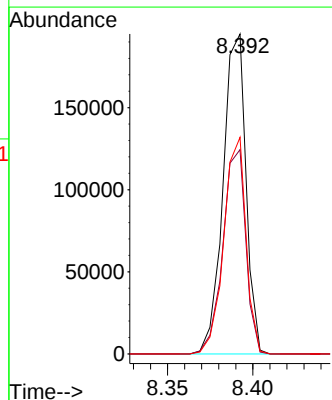
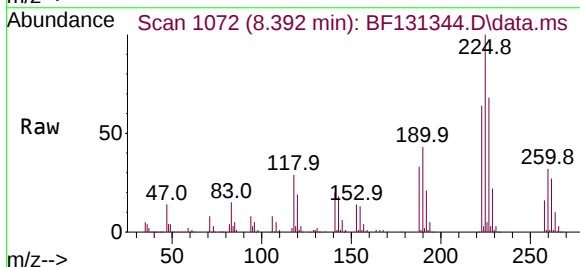
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

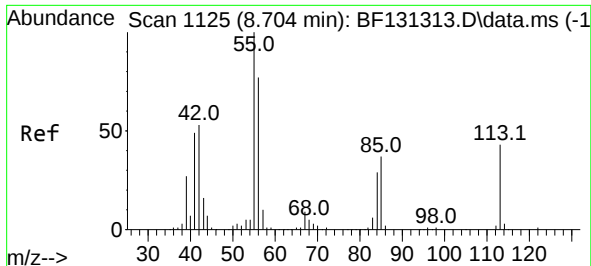


#34
Hexachlorobutadiene
Concen: 42.371 ng
RT: 8.392 min Scan# 1072
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Tgt Ion:225 Resp: 181910

Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.4	74.0
227	67.7	51.1	76.7





#35
Caprolactam
Concen: 50.296 ng m
RT: 8.698 min Scan# 1125
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

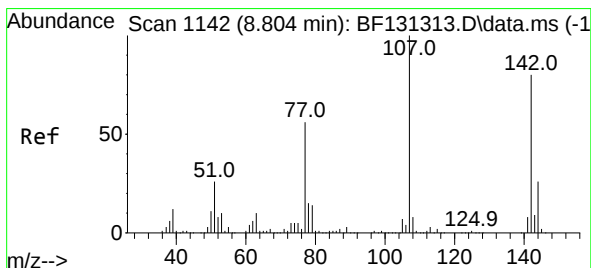
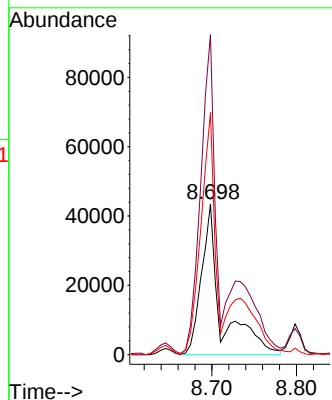
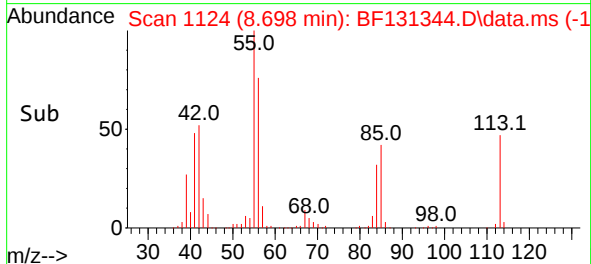
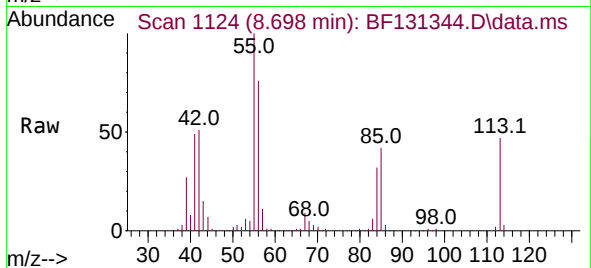
SOIL-PILE-16MS

Tgt Ion:113 Resp: 70738
Ion Ratio Lower Upper
113 100
55 212.5 214.5 254.5
56 160.8 159.4 199.4

Manual Integrations

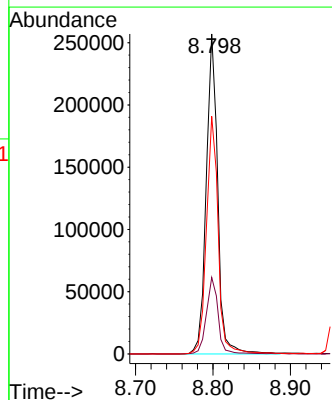
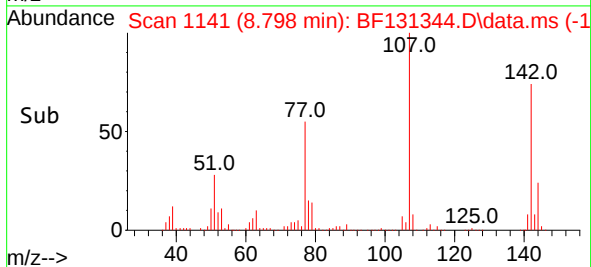
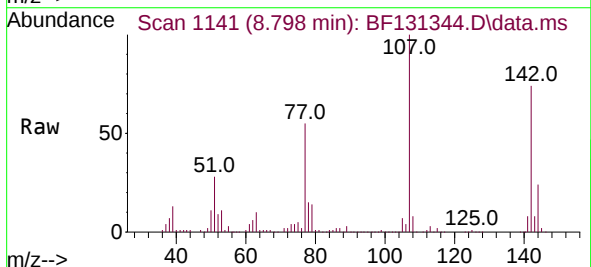
APPROVED

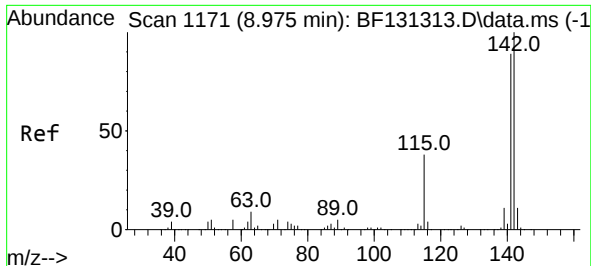
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#36
4-Chloro-3-methylphenol
Concen: 47.393 ng
RT: 8.798 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Tgt Ion:107 Resp: 263526
Ion Ratio Lower Upper
107 100
144 23.9 20.9 31.3
142 74.2 63.9 95.9





#37

2-Methylnaphthalene

Concen: 41.942 ng

RT: 8.969 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MS

Tgt Ion:142 Resp: 544604

Ion Ratio Lower Upper

142 100

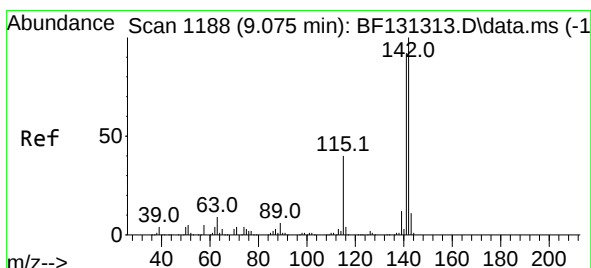
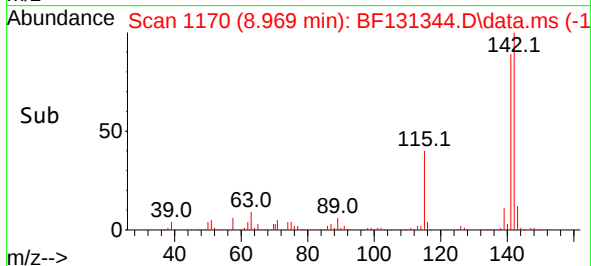
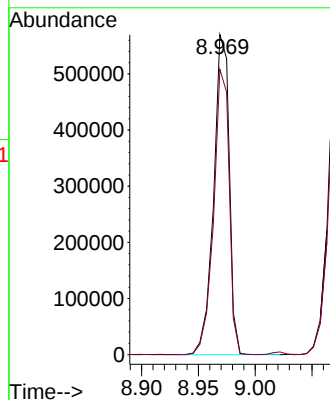
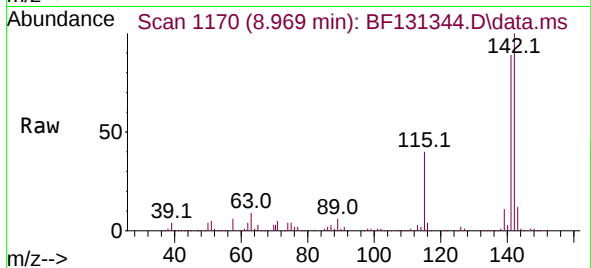
141 89.1 71.0 106.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#38

1-Methylnaphthalene

Concen: 41.000 ng

RT: 9.069 min Scan# 1187

Delta R.T. -0.006 min

Lab File: BF131344.D

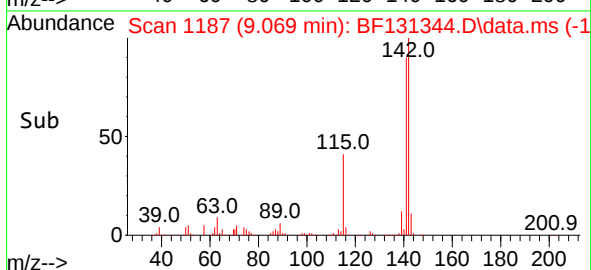
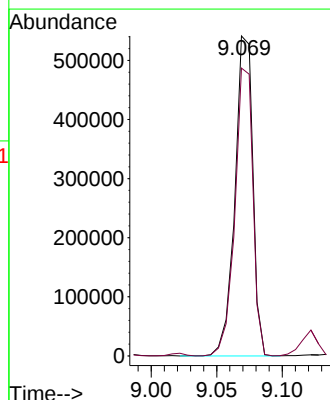
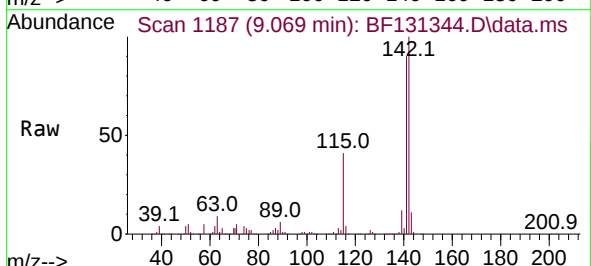
Acq: 22 Nov 2022 22:49

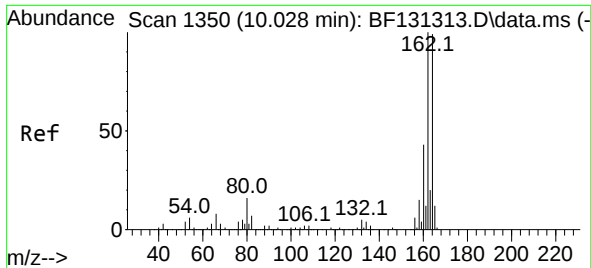
Tgt Ion:142 Resp: 516239

Ion Ratio Lower Upper

142 100

141 89.9 73.4 110.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.022 min Scan# 1350
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

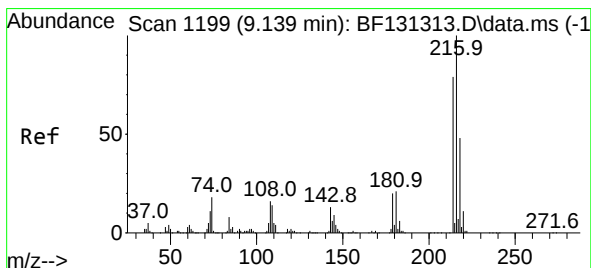
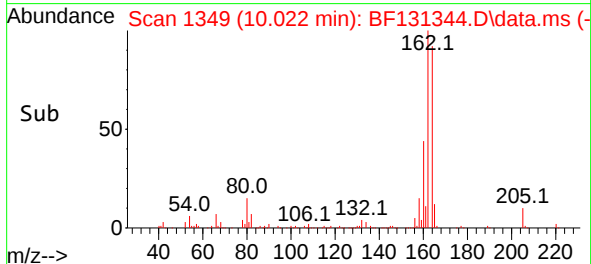
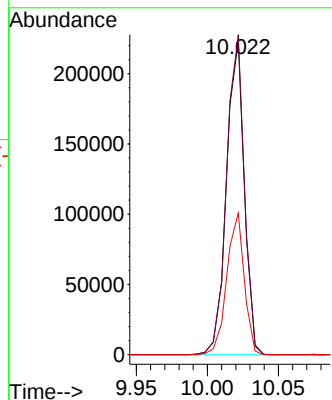
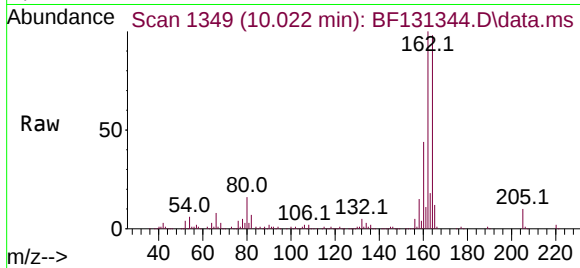
SOIL-PILE-16MS

Tgt Ion:164 Resp: 19484
Ion Ratio Lower Upper
164 100
162 102.0 80.6 120.8
160 45.1 34.4 51.6

Manual Integrations

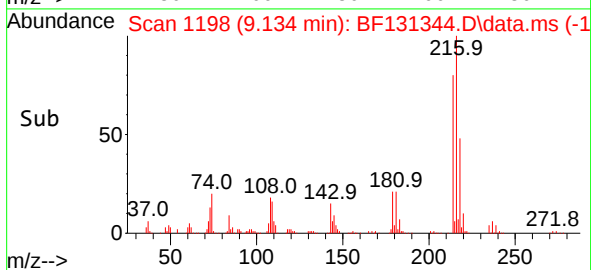
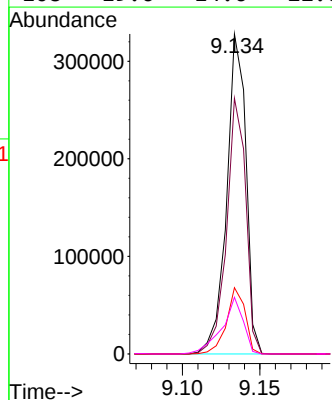
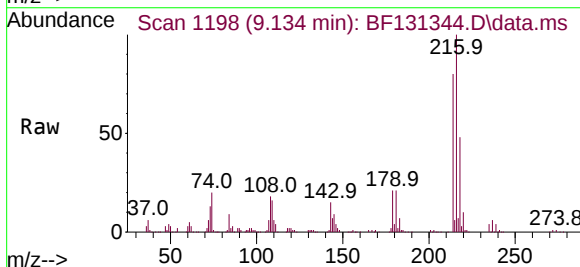
APPROVED

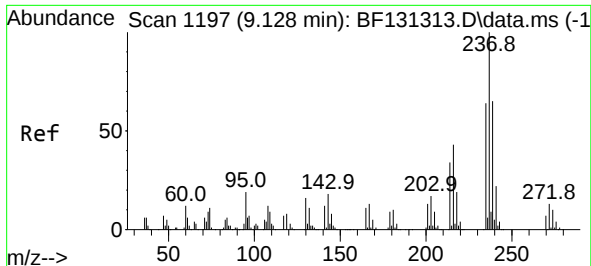
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.955 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

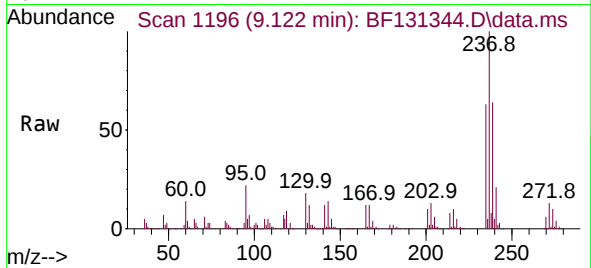
Tgt Ion:216 Resp: 284244
Ion Ratio Lower Upper
216 100
214 79.0 63.1 94.7
179 19.9 16.2 24.4
108 19.6 14.6 22.0





#41
Hexachlorocyclopentadiene
Concen: 109.229 ng
RT: 9.122 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

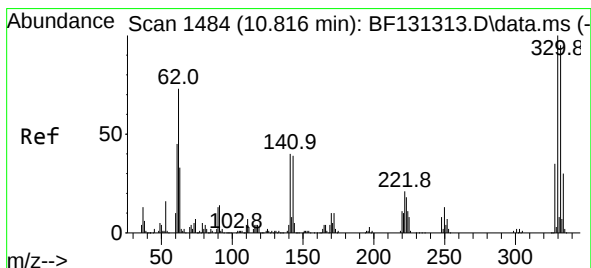
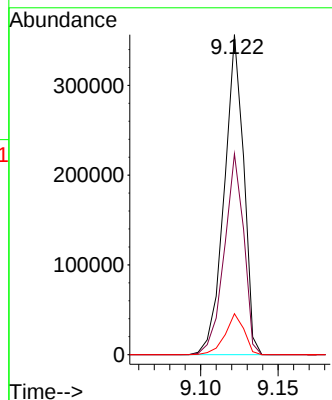
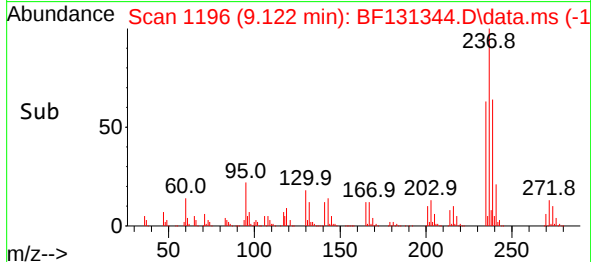
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



Tgt Ion:237 Resp: 310471
Ion Ratio Lower Upper
237 100
235 62.7 44.2 84.2
272 12.8 0.0 33.4

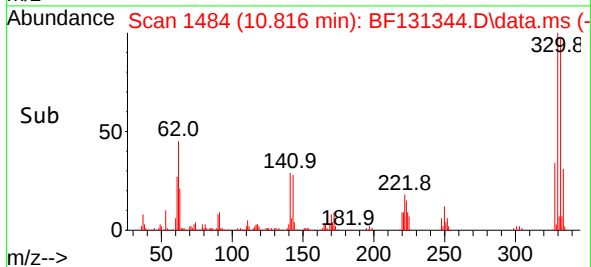
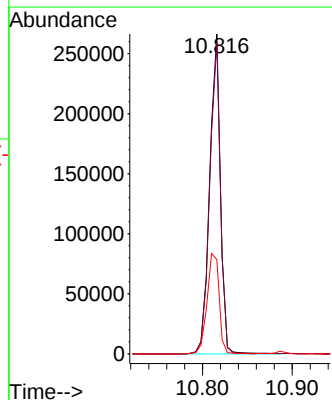
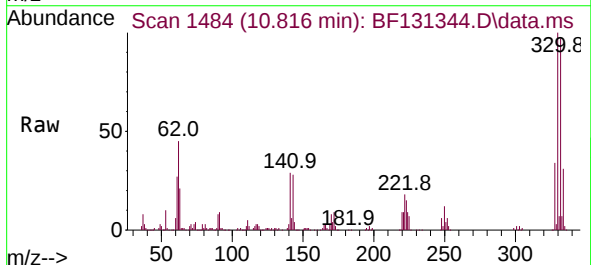
Manual Integrations
APPROVED

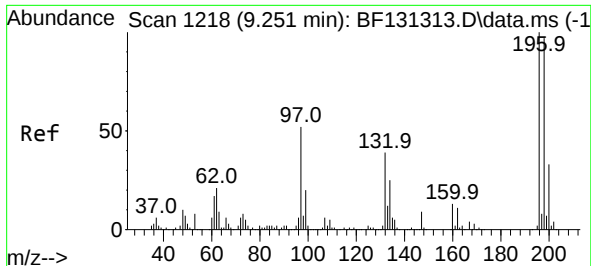
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#42
2,4,6-Tribromophenol
Concen: 135.177 ng
RT: 10.816 min Scan# 1484
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

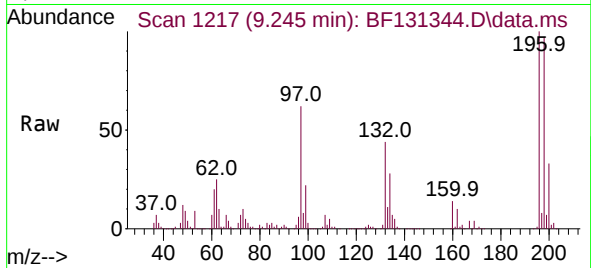
Tgt Ion:330 Resp: 221584
Ion Ratio Lower Upper
330 100
332 97.0 77.5 116.3
141 35.5 29.3 43.9





#43
2,4,6-Trichlorophenol
Concen: 50.991 ng
RT: 9.245 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

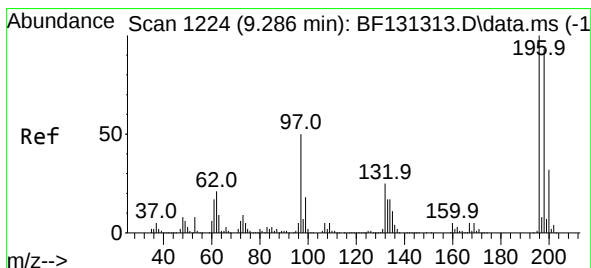
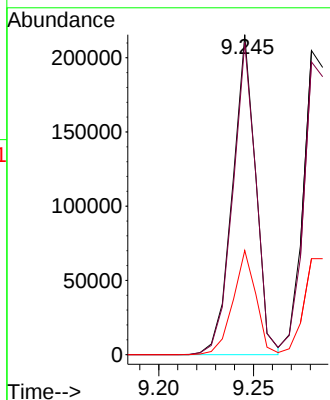
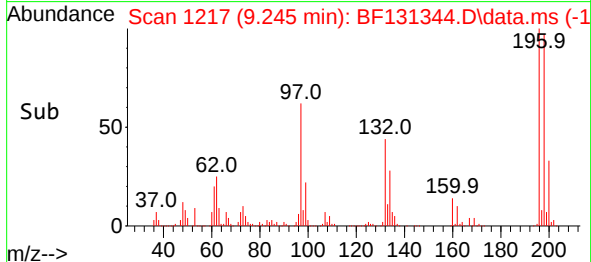
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



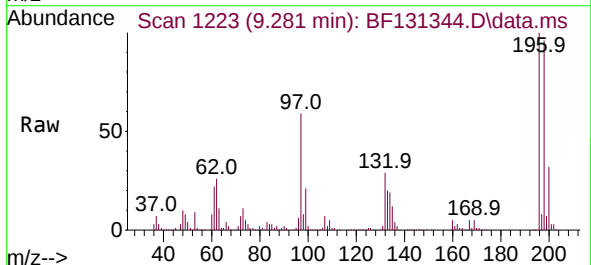
Tgt Ion:196 Resp: 182897
Ion Ratio Lower Upper
196 100
198 97.5 77.4 116.0
200 32.5 26.3 39.5

Manual Integrations
APPROVED

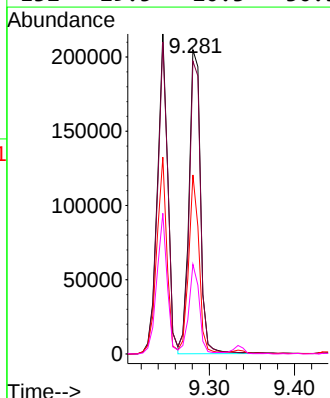
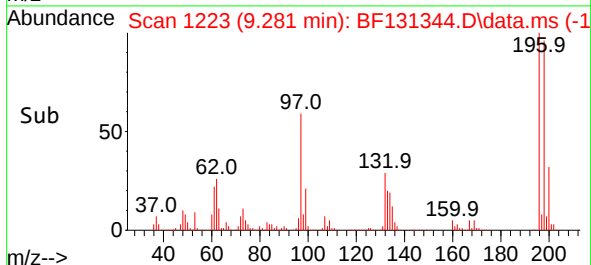
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

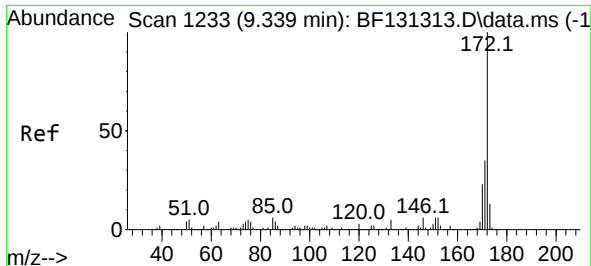


#44
2,4,5-Trichlorophenol
Concen: 47.617 ng
RT: 9.281 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



Tgt Ion:196 Resp: 192056
Ion Ratio Lower Upper
196 100
198 96.3 75.0 112.4
97 58.8 40.3 60.5
132 29.5 20.3 30.5





#45

2-Fluorobiphenyl

Concen: 72.873 ng

RT: 9.334 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MS

Tgt Ion:172 Resp: 975979

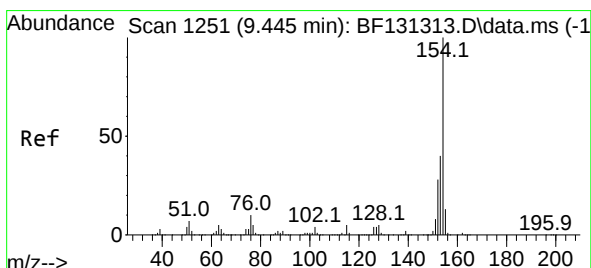
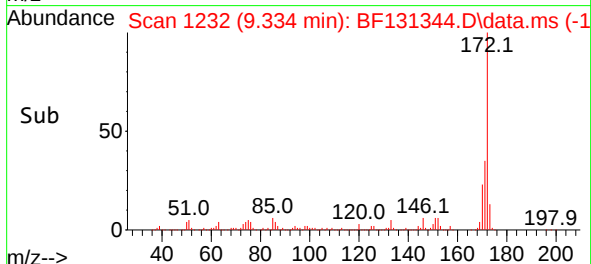
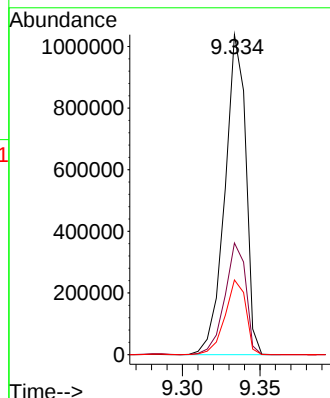
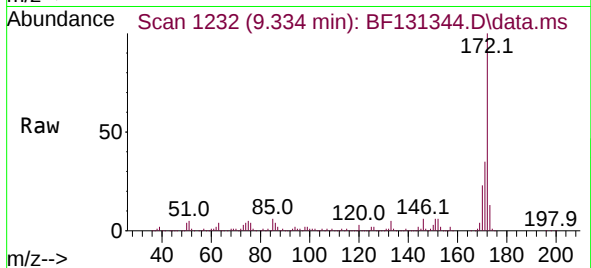
Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.2	42.2
170	23.4	18.7	28.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#46

1,1'-Biphenyl

Concen: 45.568 ng

RT: 9.439 min Scan# 1250

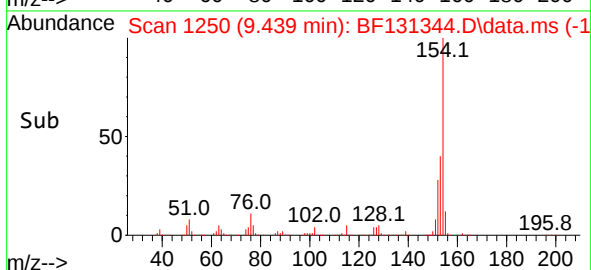
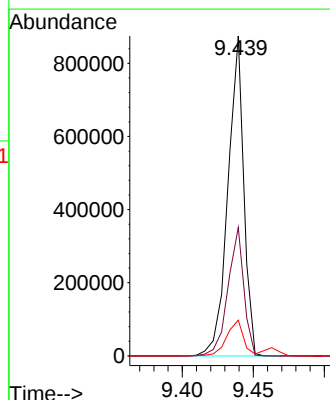
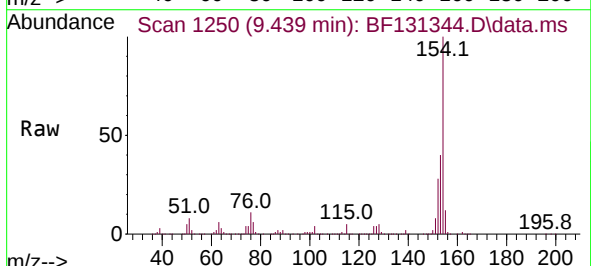
Delta R.T. -0.006 min

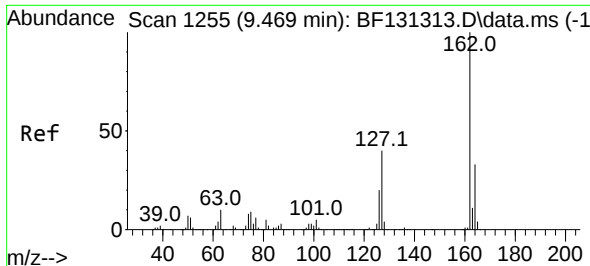
Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Tgt Ion:154 Resp: 677530

Ion	Ratio	Lower	Upper
154	100		
153	40.1	19.8	59.8
76	11.2	0.0	30.2





#47

2-Chloronaphthalene

Concen: 44.682 ng

RT: 9.463 min Scan# 1254

Delta R.T. -0.006 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MS

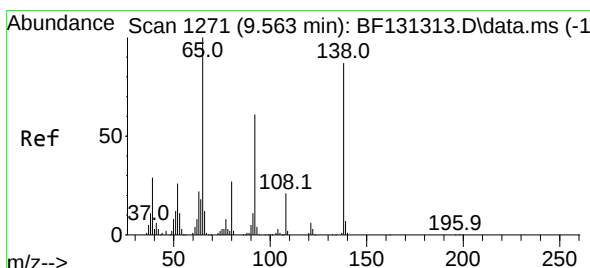
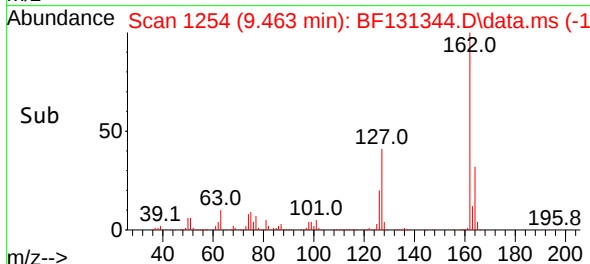
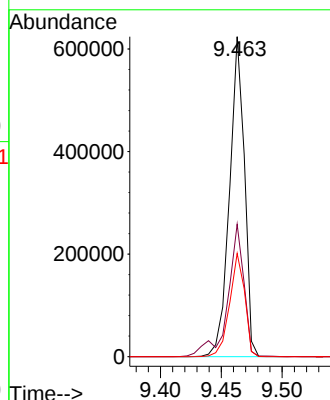
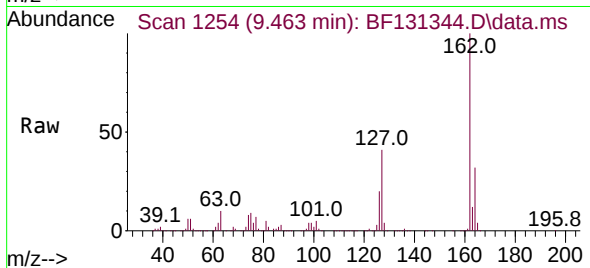
Tgt Ion: 162 Resp: 532949

Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.1	48.1
164	32.2	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: 49.092 ng

RT: 9.557 min Scan# 1270

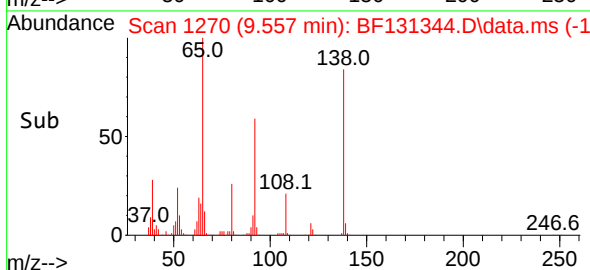
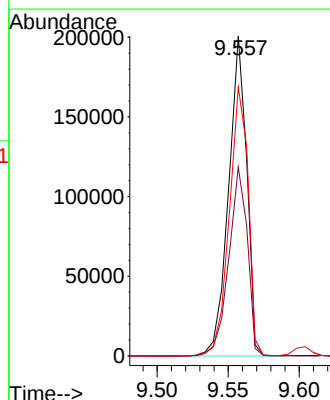
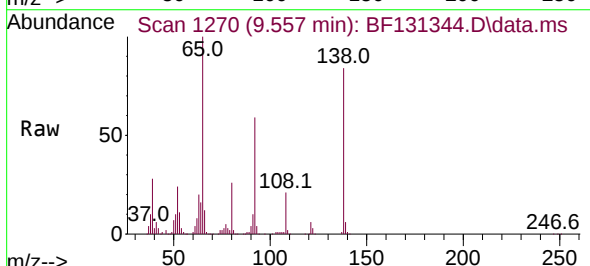
Delta R.T. -0.006 min

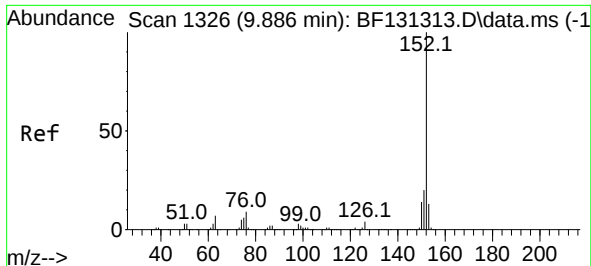
Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Tgt Ion: 65 Resp: 177790

Ion	Ratio	Lower	Upper
65	100		
92	59.0	49.0	73.4
138	84.0	69.4	104.2





#49
Acenaphthylene
Concen: 43.930 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

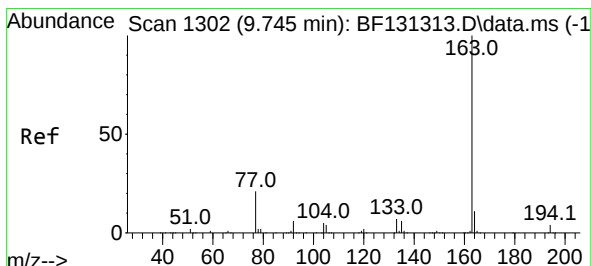
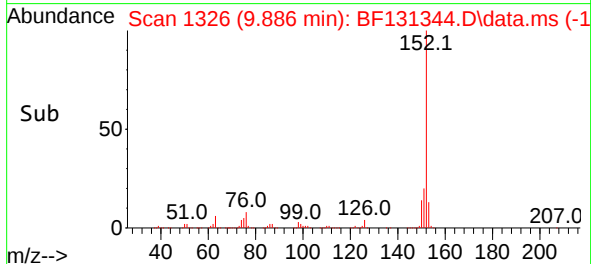
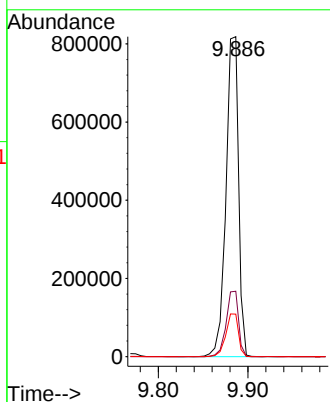
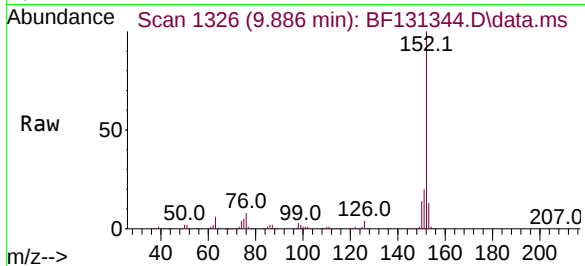
ClientSampleId :

SOIL-PILE-16MS

Tgt Ion:152 Resp: 79874
Ion Ratio Lower Upper
152 100
151 20.4 16.2 24.4
153 13.3 10.6 15.8

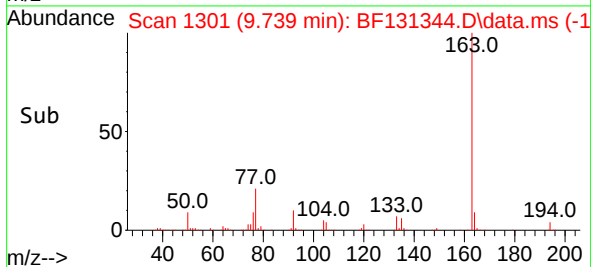
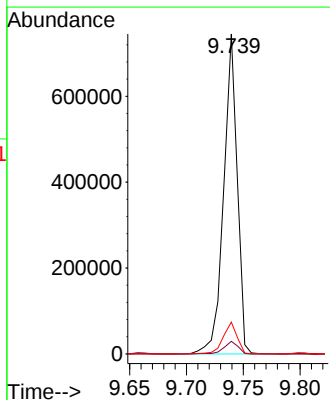
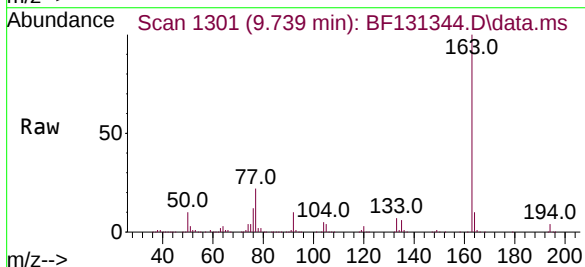
Manual Integrations
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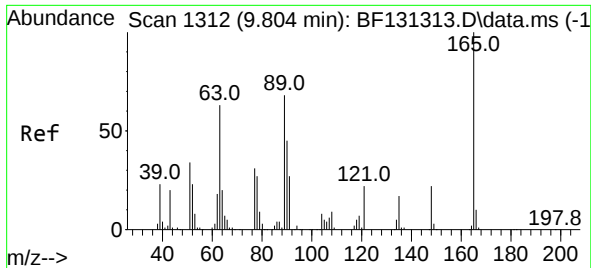
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#50
Dimethylphthalate
Concen: 45.366 ng
RT: 9.739 min Scan# 1301
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Tgt Ion:163 Resp: 615860
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 9.9 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 49.001 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.006 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MS

Tgt Ion:165 Resp: 133031

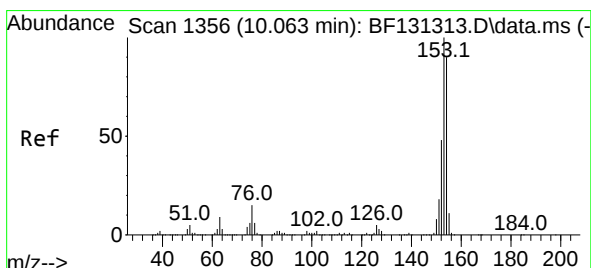
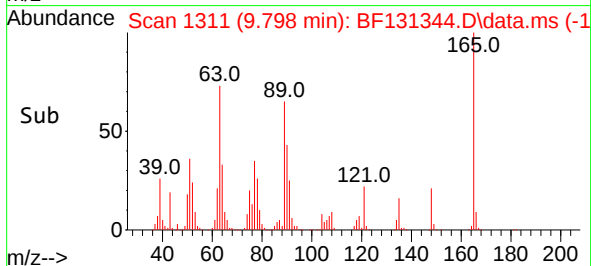
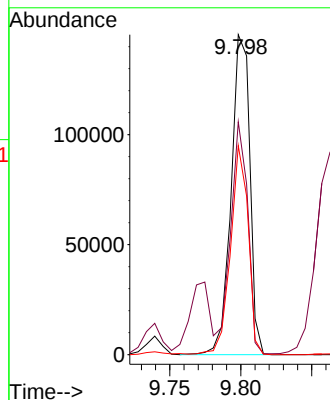
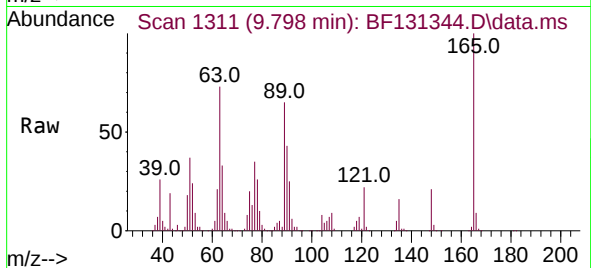
Ion	Ratio	Lower	Upper
165	100		
63	72.7	62.0	93.0
89	65.3	54.4	81.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#52

Acenaphthene

Concen: 45.548 ng

RT: 10.057 min Scan# 1355

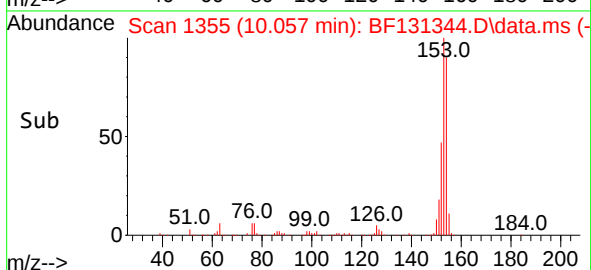
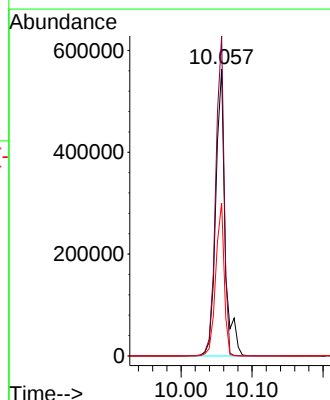
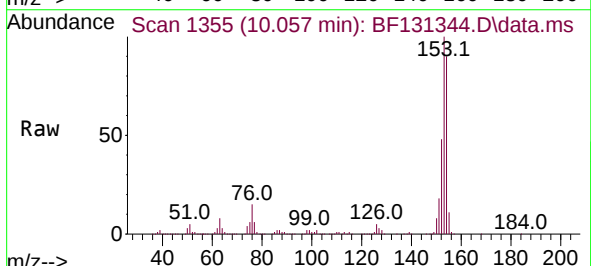
Delta R.T. -0.006 min

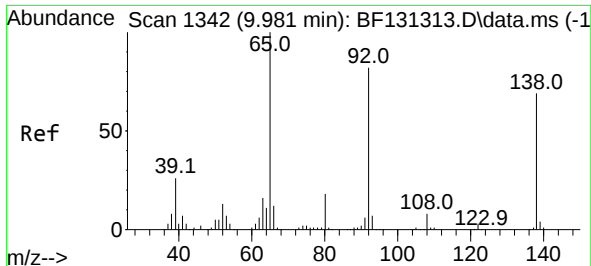
Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Tgt Ion:154 Resp: 518587

Ion	Ratio	Lower	Upper
154	100		
153	111.6	88.4	132.6
152	53.4	42.8	64.2





#53
3-Nitroaniline
Concen: 20.677 ng
RT: 9.969 min Scan# 1340
Delta R.T. -0.012 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

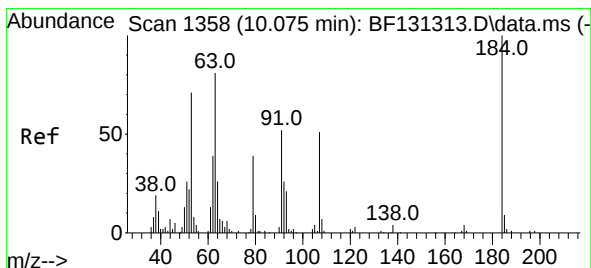
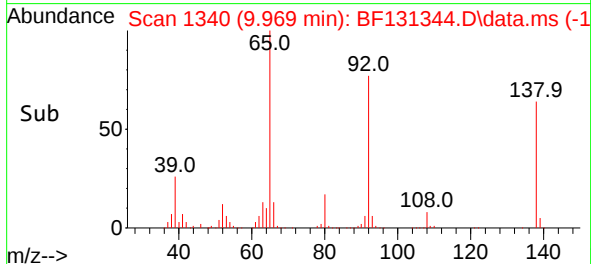
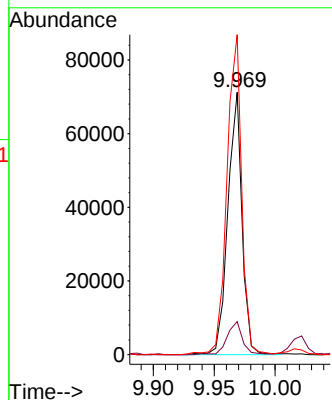
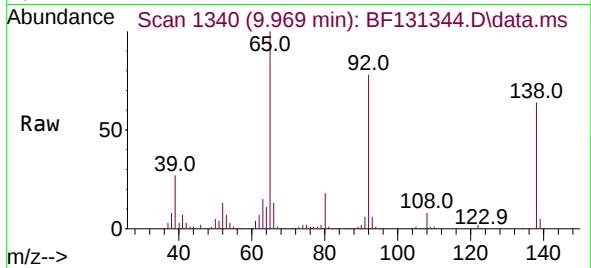
ClientSampleId :

SOIL-PILE-16MS

Tgt Ion:138 Resp: 57682
Ion Ratio Lower Upper
138 100
108 12.6 8.9 13.3
92 121.9 95.3 142.9

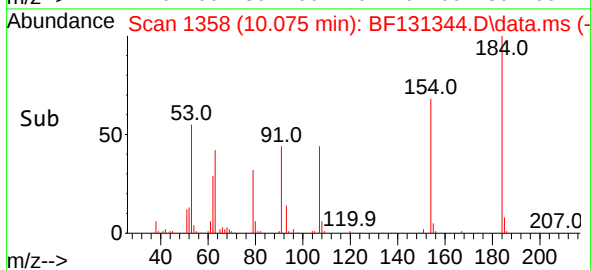
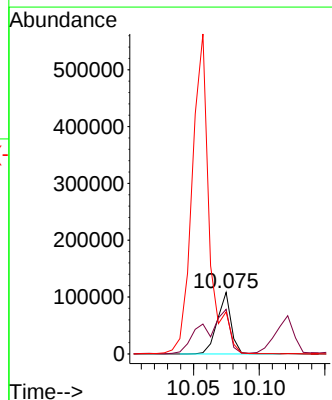
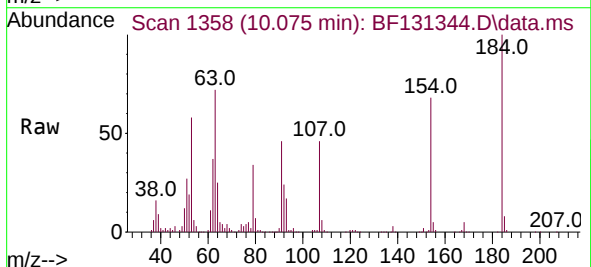
Manual Integrations
APPROVED

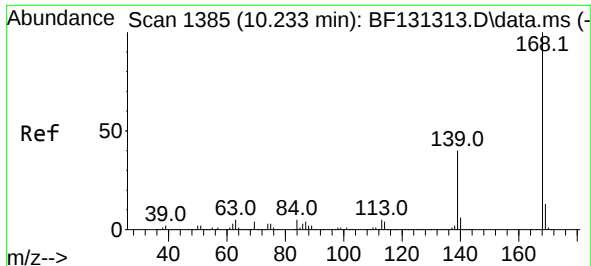
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#54
2,4-Dinitrophenol
Concen: 68.512 ng
RT: 10.075 min Scan# 1358
Delta R.T. -0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

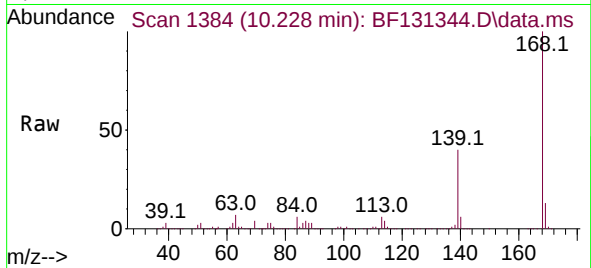
Tgt Ion:184 Resp: 79264
Ion Ratio Lower Upper
184 100
63 72.3 72.1 108.1
154 68.2 56.3 84.5





#55
Dibenzofuran
Concen: 43.285 ng
RT: 10.228 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

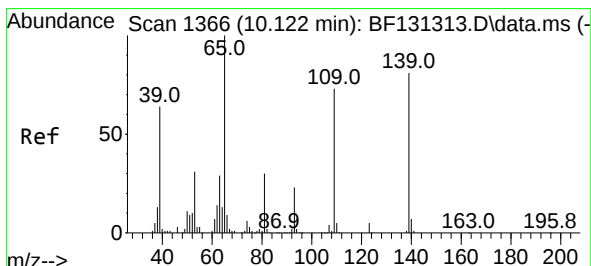
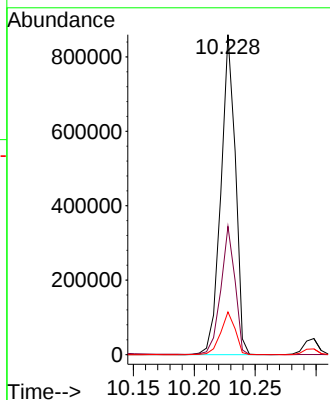
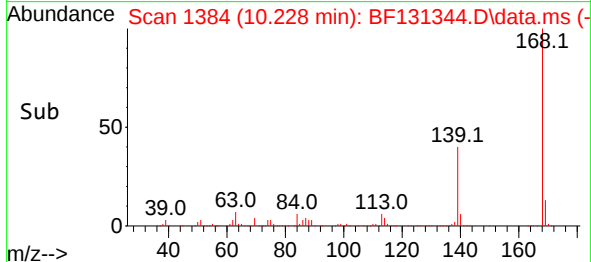
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



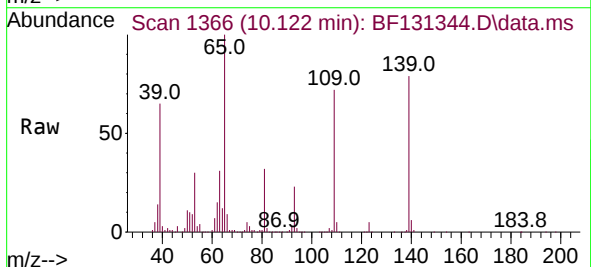
Tgt Ion:168 Resp: 709012
Ion Ratio Lower Upper
168 100
139 40.1 31.7 47.5
169 13.3 10.6 15.8

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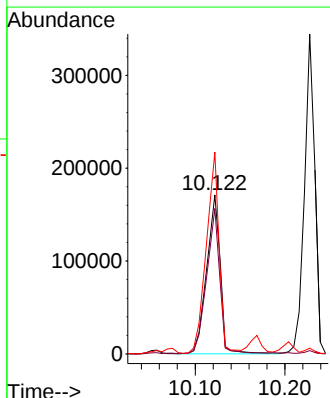
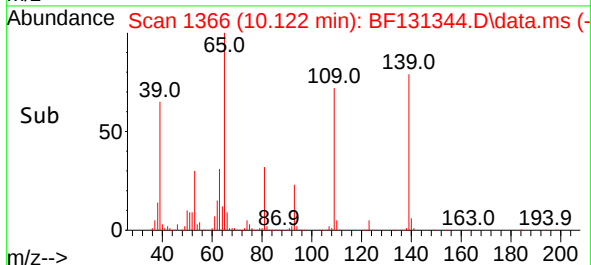
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

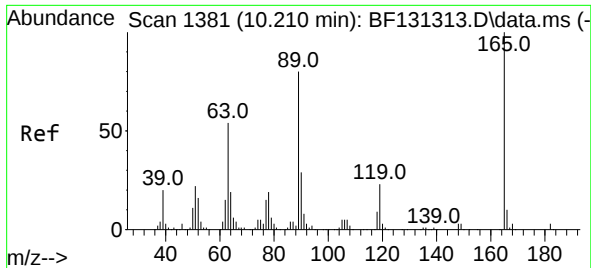


#56
4-Nitrophenol
Concen: 93.148 ng
RT: 10.122 min Scan# 1366
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



Tgt Ion:139 Resp: 180343
Ion Ratio Lower Upper
139 100
109 91.4 69.6 109.6
65 126.9 103.4 143.4





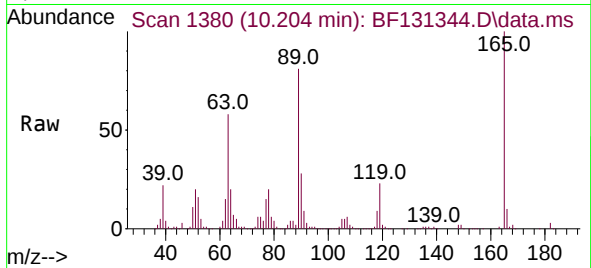
#57
2,4-Dinitrotoluene
Concen: 48.827 ng
RT: 10.204 min Scan# 1380
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MS

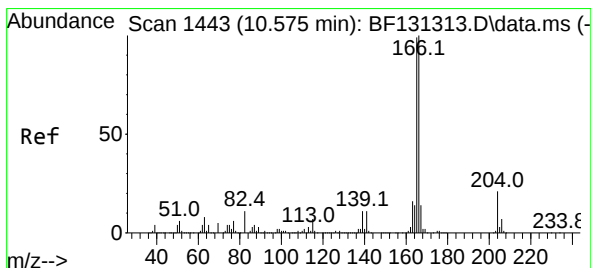
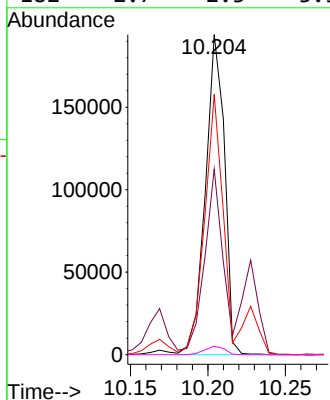
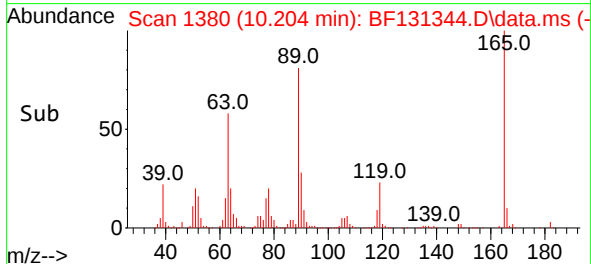


Tgt Ion:165 Resp: 166786
Ion Ratio Lower Upper
165 100
63 58.0 43.4 65.2
89 81.3 64.0 96.0
182 2.7 2.3 3.5

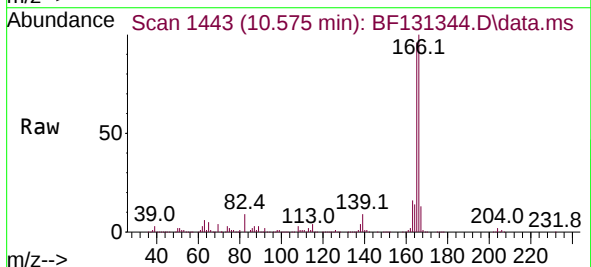
Manual Integrations

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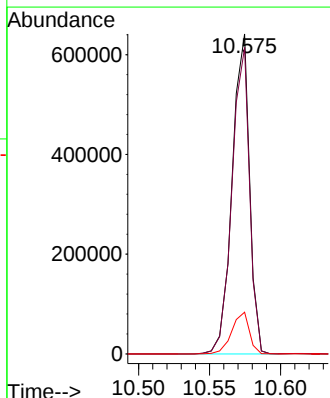
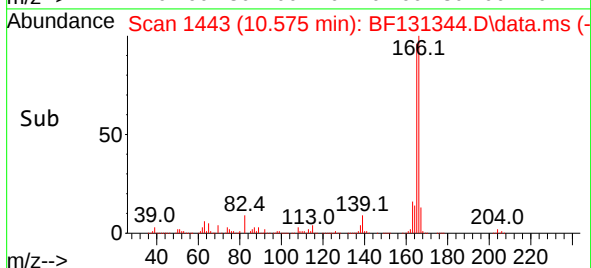
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

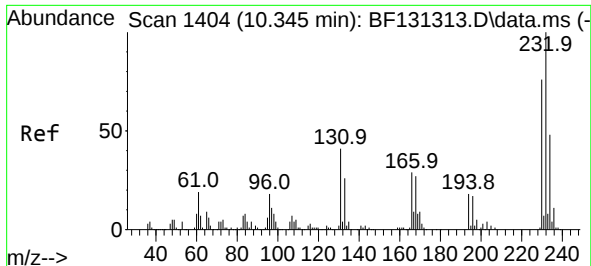


#58
Fluorene
Concen: 42.699 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



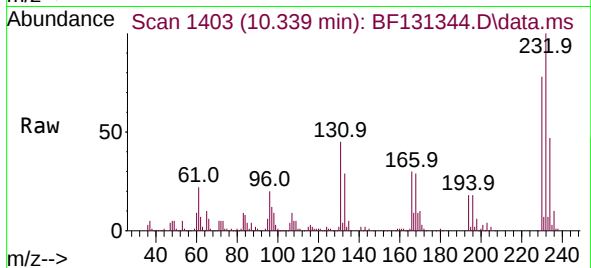
Tgt Ion:166 Resp: 545845
Ion Ratio Lower Upper
166 100
165 95.7 79.0 118.4
167 13.0 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.387 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

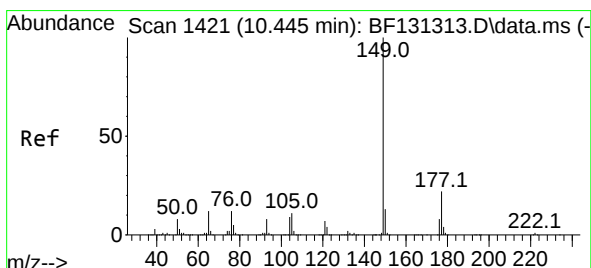
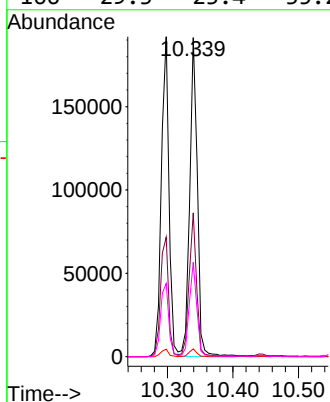
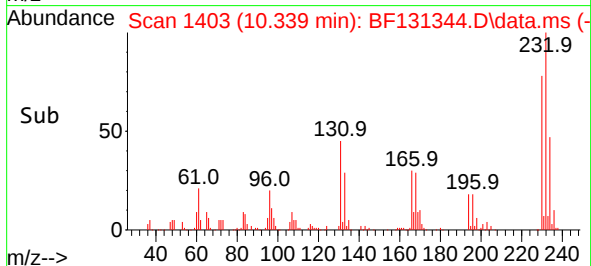
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



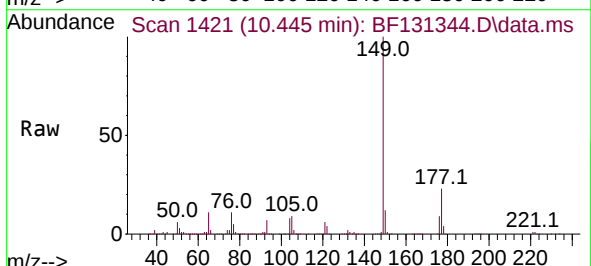
Tgt Ion:232 Resp: 155814
Ion Ratio Lower Upper
232 100
131 44.2 35.2 52.8
130 2.4 1.8 2.8
166 29.3 23.4 35.2

Manual Integrations
APPROVED

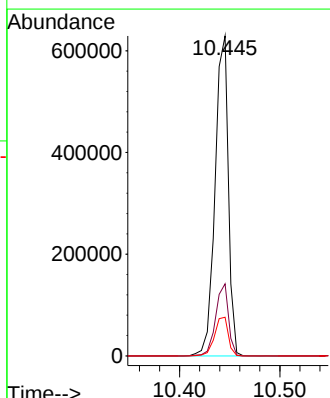
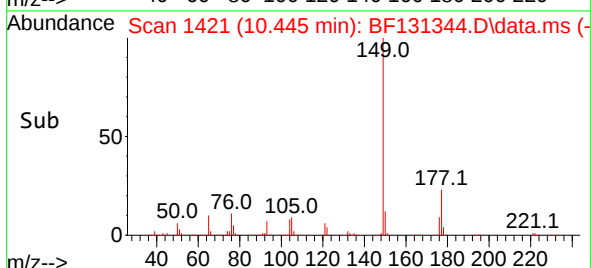
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

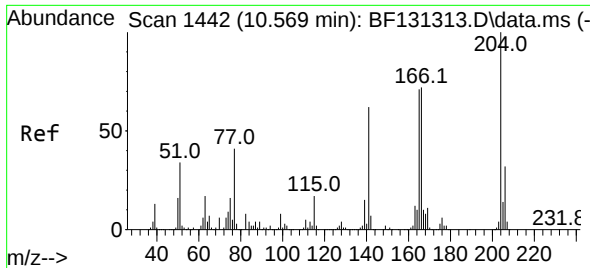


#60
Diethylphthalate
Concen: 45.174 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



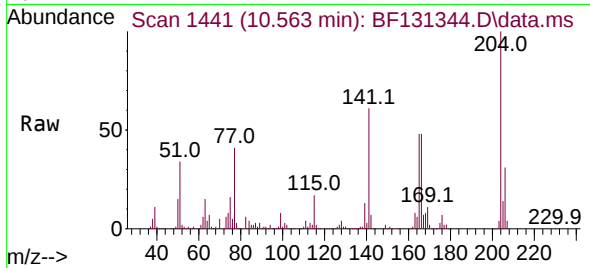
Tgt Ion:149 Resp: 579047
Ion Ratio Lower Upper
149 100
177 22.5 17.6 26.4
150 12.1 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 43.684 ng
RT: 10.563 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

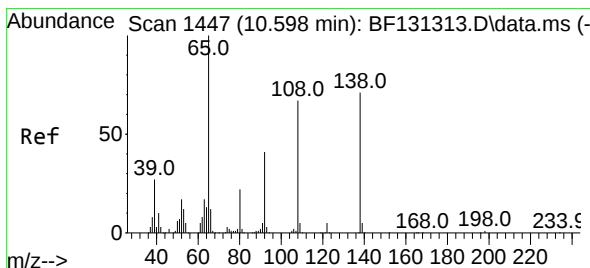
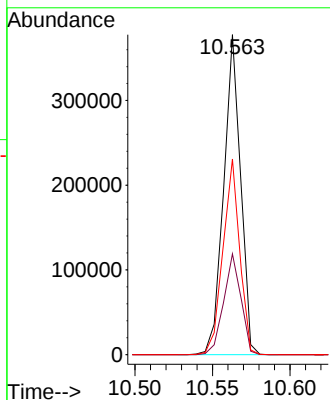
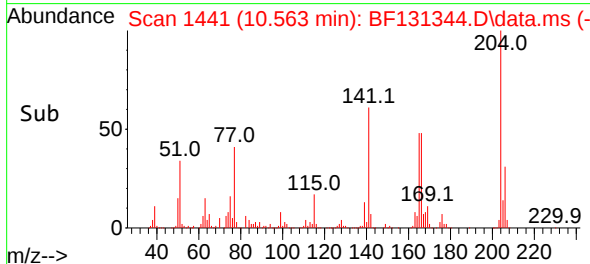
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



Tgt Ion:204 Resp: 286279
Ion Ratio Lower Upper
204 100
206 31.5 25.7 38.5
141 61.1 49.2 73.8

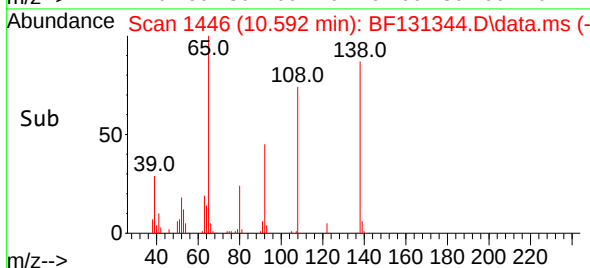
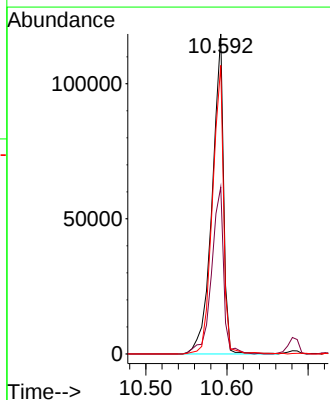
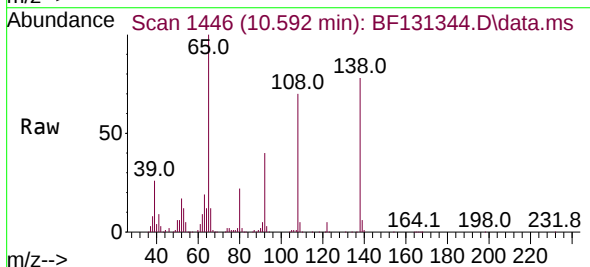
Manual Integrations
APPROVED

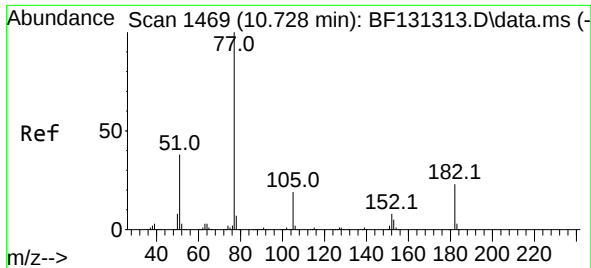
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#62
4-Nitroaniline
Concen: 41.716 ng
RT: 10.592 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

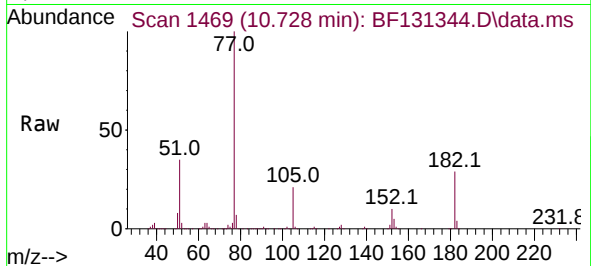
Tgt Ion:138 Resp: 115818
Ion Ratio Lower Upper
138 100
92 52.1 37.0 77.0
108 90.1 74.0 114.0





#63
Azobenzene
Concen: 41.840 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.000 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

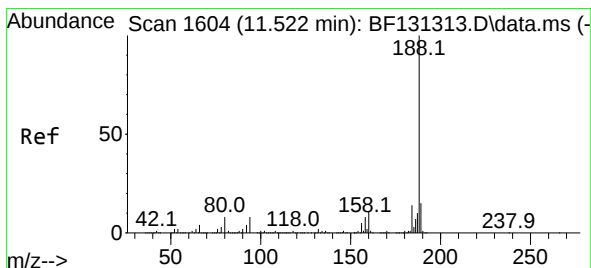
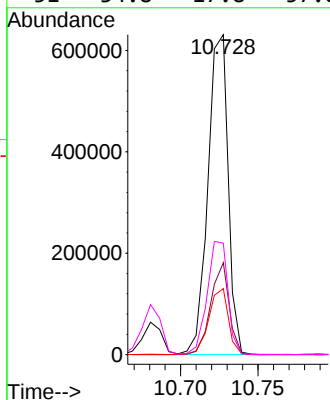
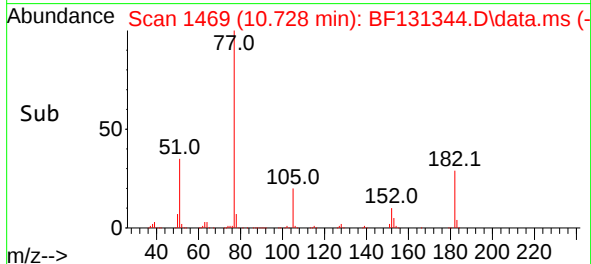
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



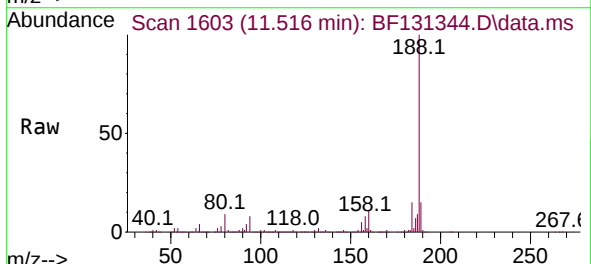
Tgt Ion: 77 Resp: 576659
Ion Ratio Lower Upper
77 100
182 28.8 3.1 43.1
105 20.6 0.0 39.2
51 34.8 17.8 57.8

Manual Integrations
APPROVED

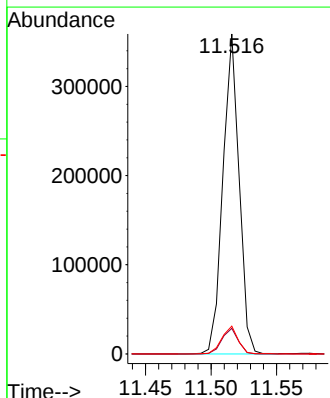
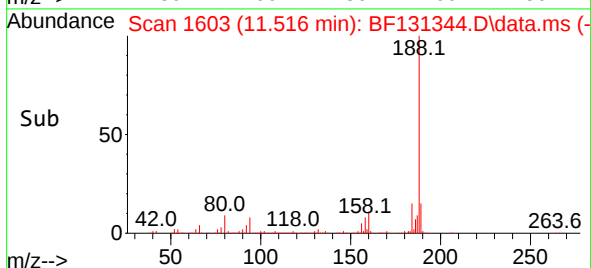
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

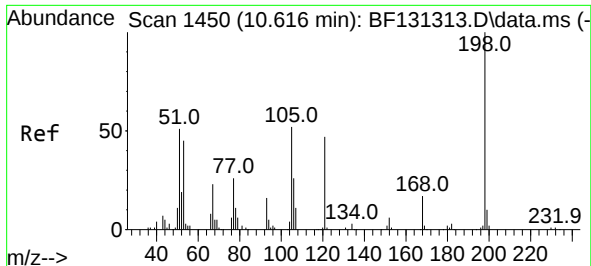


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.516 min Scan# 1603
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



Tgt Ion:188 Resp: 308805
Ion Ratio Lower Upper
188 100
94 8.0 6.3 9.5
80 8.7 6.8 10.2





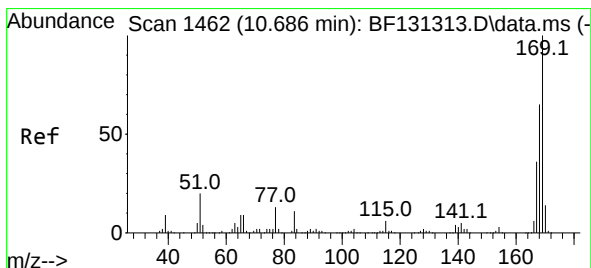
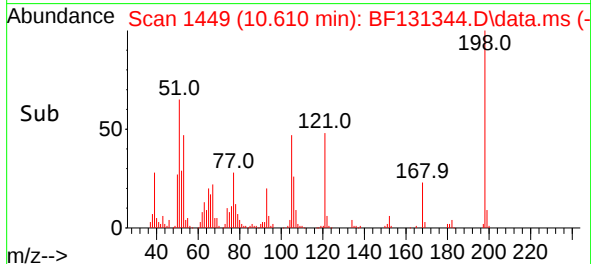
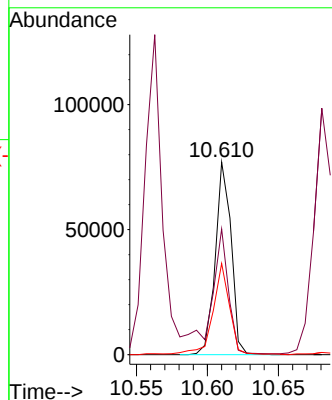
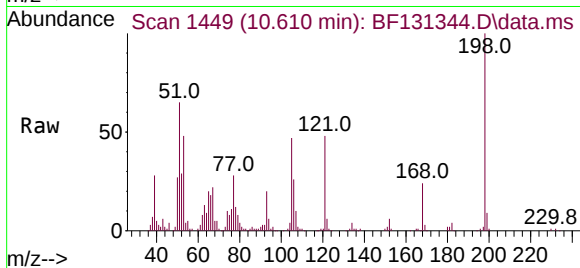
#65
4,6-Dinitro-2-methylphenol
Concen: 45.747 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS

Tgt Ion:198 Resp: 59714
Ion Ratio Lower Upper
198 100
51 65.2 50.1 90.1
105 47.3 32.5 72.5

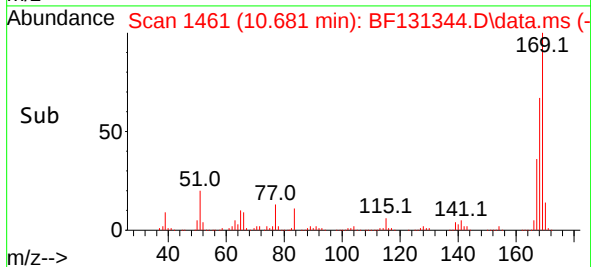
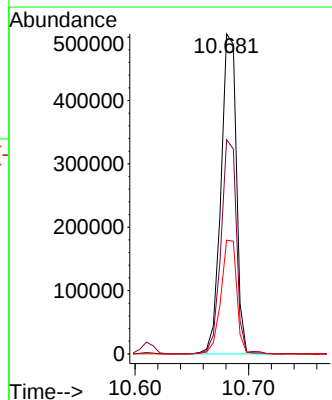
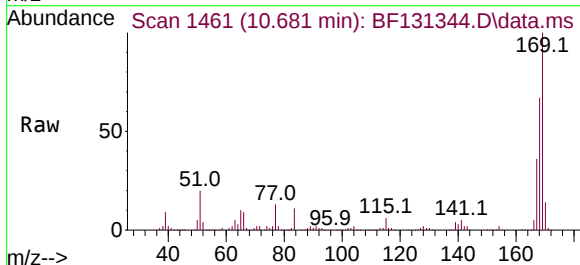
Manual Integrations
APPROVED

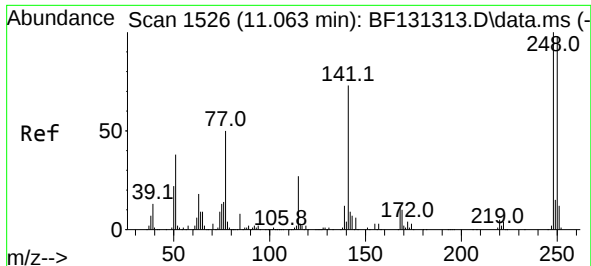
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#66
n-Nitrosodiphenylamine
Concen: 48.362 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Tgt Ion:169 Resp: 475878
Ion Ratio Lower Upper
169 100
168 66.9 52.4 78.6
167 35.5 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 47.063 ng
RT: 11.057 min Scan# 1526
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

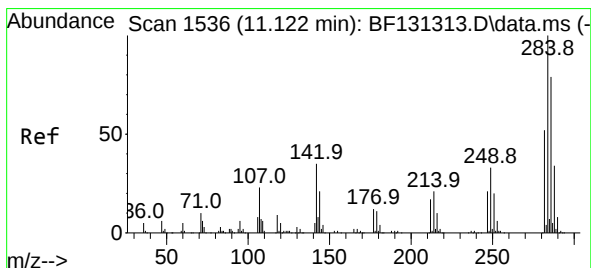
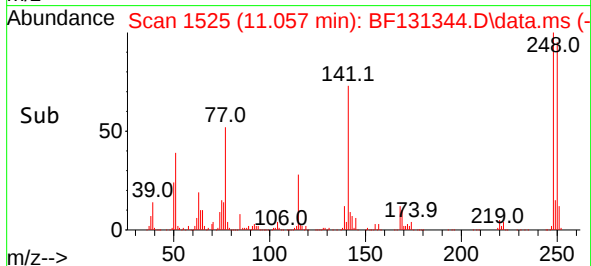
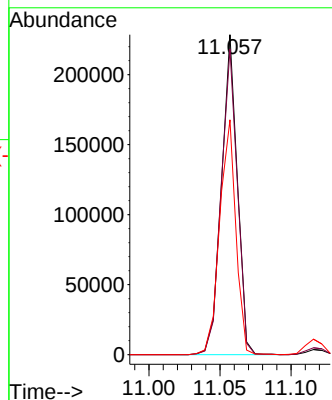
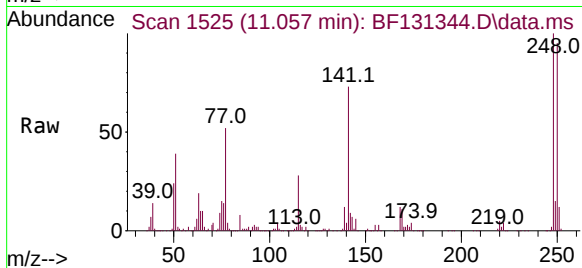
SOIL-PILE-16MS

Tgt Ion:248 Resp: 178124
Ion Ratio Lower Upper
248 100
250 95.5 78.3 117.5
141 73.4 58.0 87.0

Manual Integrations

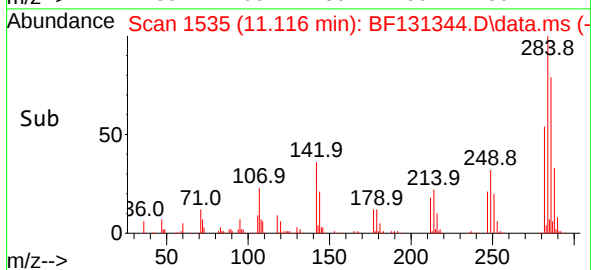
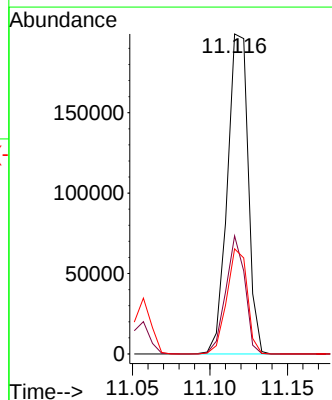
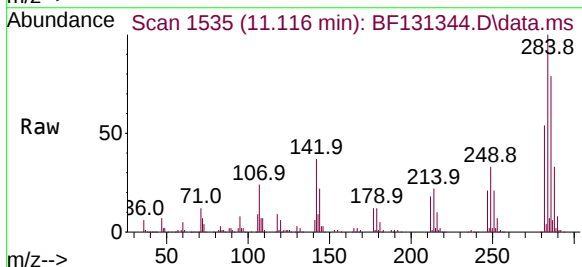
APPROVED

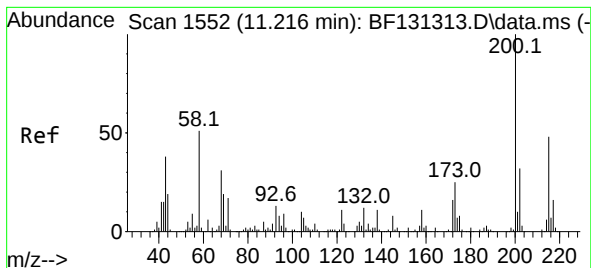
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#68
Hexachlorobenzene
Concen: 46.512 ng
RT: 11.116 min Scan# 1535
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Tgt Ion:284 Resp: 186837
Ion Ratio Lower Upper
284 100
142 36.9 28.4 42.6
249 32.8 26.5 39.7





#69

Atrazine

Concen: 54.567 ng

RT: 11.210 min Scan# 1552

Delta R.T. -0.006 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MS

Tgt Ion:200 Resp: 165318

Ion Ratio Lower Upper

200 100

173 24.8 5.2 45.2

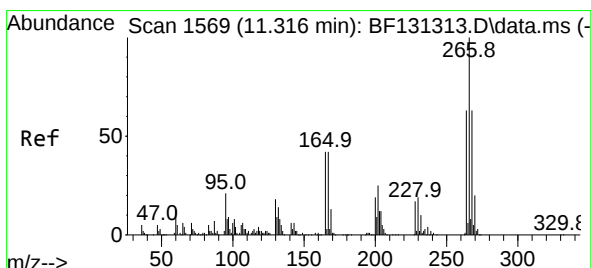
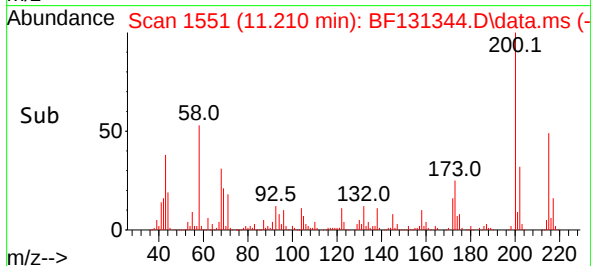
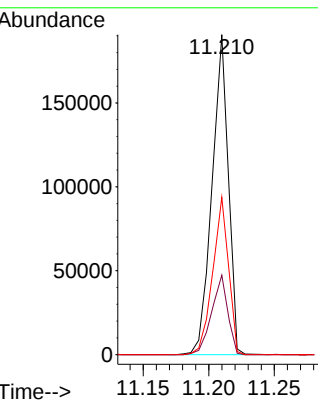
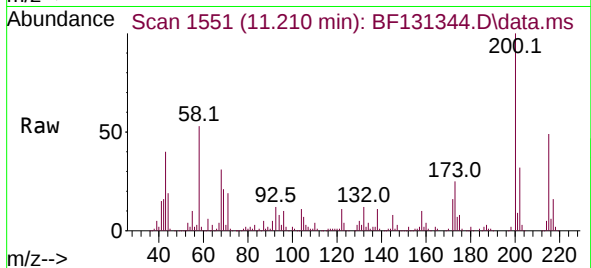
215 49.2 28.3 68.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#70

Pentachlorophenol

Concen: 75.393 ng

RT: 11.310 min Scan# 1568

Delta R.T. -0.006 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

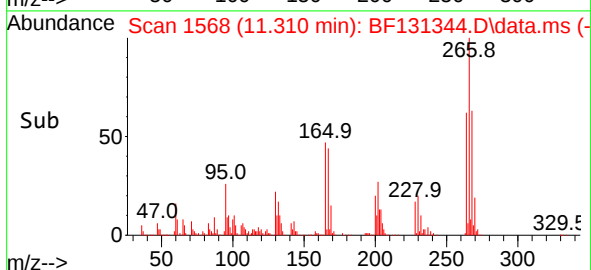
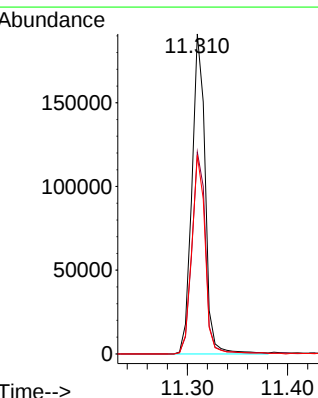
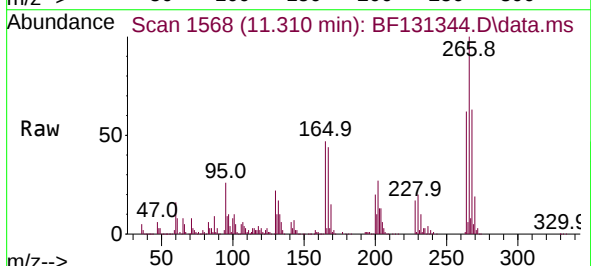
Tgt Ion:266 Resp: 175277

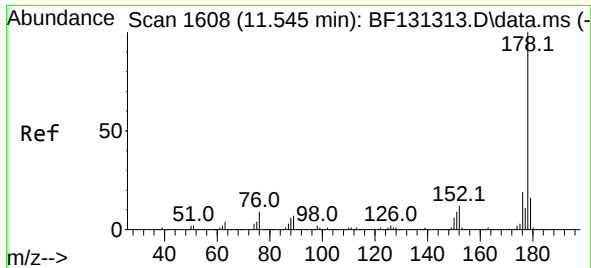
Ion Ratio Lower Upper

266 100

268 63.1 50.6 75.8

264 62.0 50.4 75.6





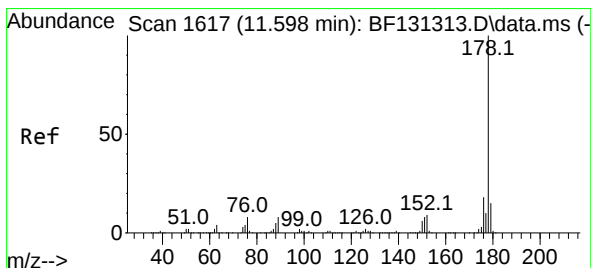
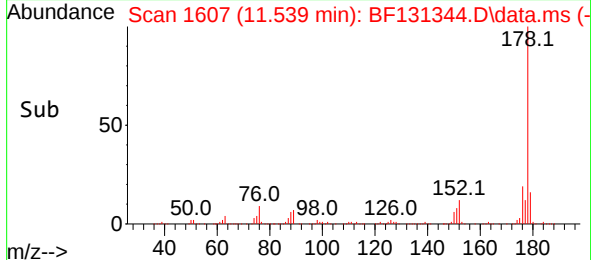
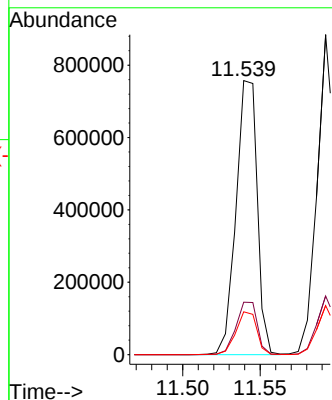
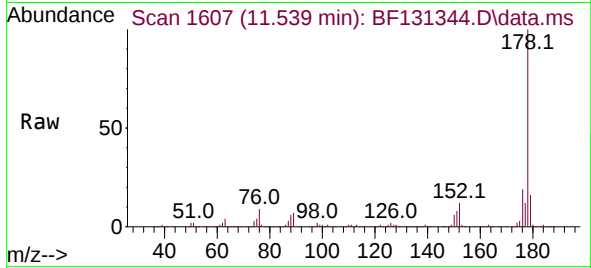
#71
Phenanthrene
Concen: 43.225 ng
RT: 11.539 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS

Tgt Ion:178 Resp: 721378
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.6 12.4 18.6

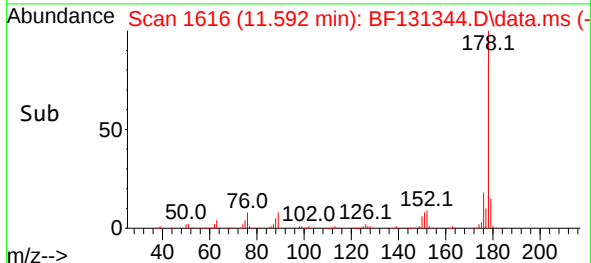
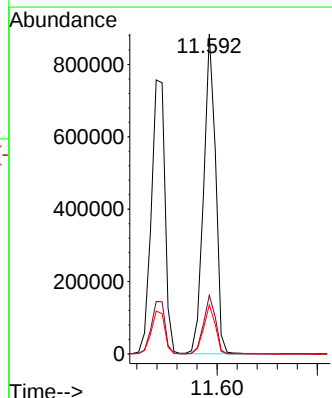
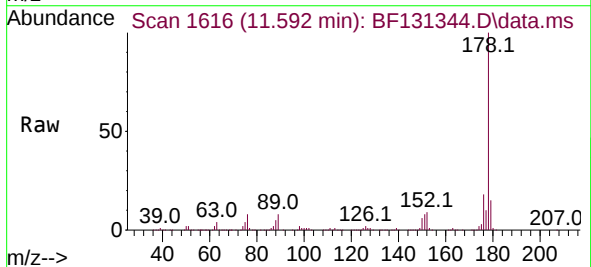
Manual Integrations
APPROVED

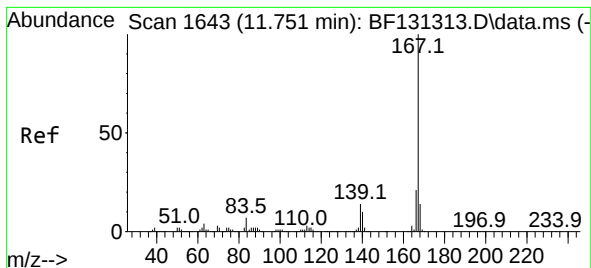
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#72
Anthracene
Concen: 44.195 ng
RT: 11.592 min Scan# 1616
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

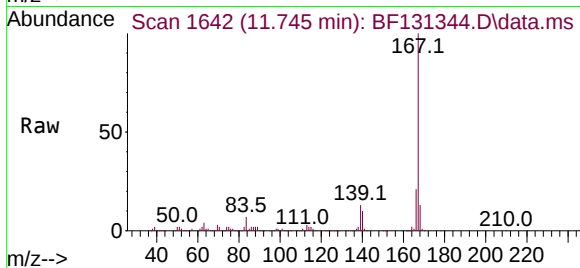
Tgt Ion:178 Resp: 724853
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 15.3 12.2 18.4





#73
 Carbazole
 Concen: 43.030 ng
 RT: 11.745 min Scan# 1642
 Delta R.T. -0.006 min
 Lab File: BF131344.D
 Acq: 22 Nov 2022 22:49

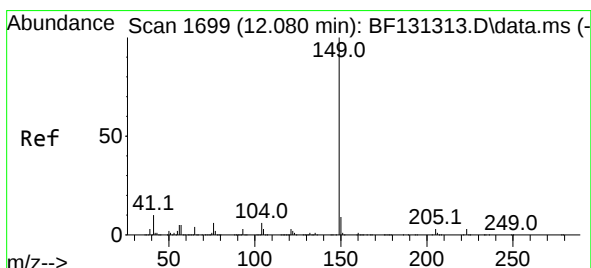
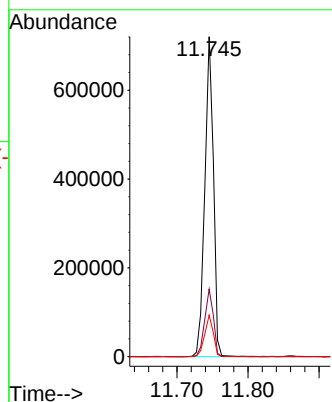
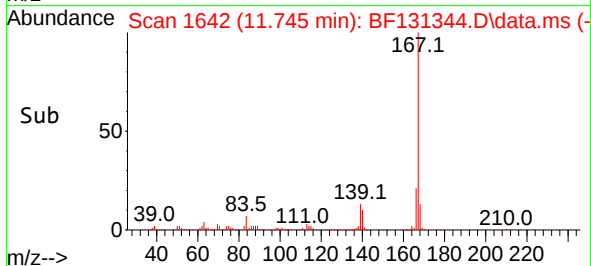
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-16MS



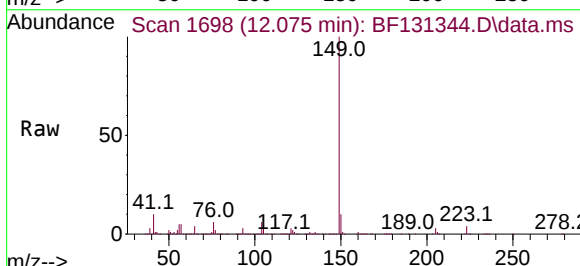
Tgt Ion:167 Resp: 602007
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.0 25.6
 139 13.0 10.8 16.2

Manual Integrations
 APPROVED

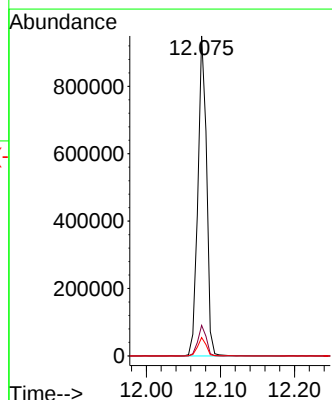
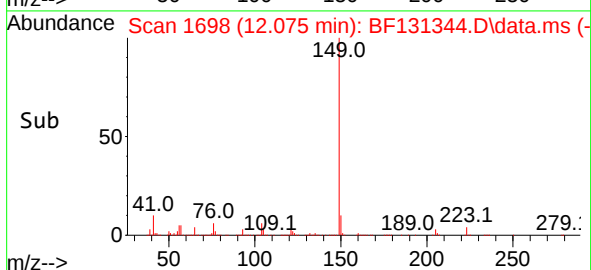
Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022

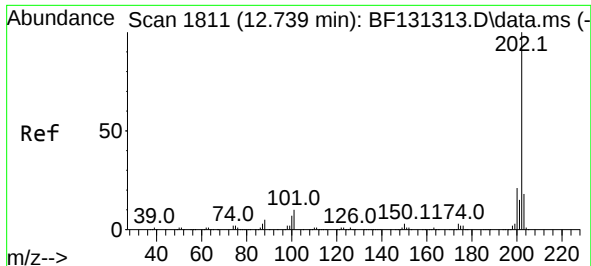


#74
 Di-n-butylphthalate
 Concen: 46.959 ng
 RT: 12.075 min Scan# 1698
 Delta R.T. -0.006 min
 Lab File: BF131344.D
 Acq: 22 Nov 2022 22:49



Tgt Ion:149 Resp: 774149
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.3 10.9
 104 5.7 4.7 7.1





#75
Fluoranthene
Concen: 37.841 ng
RT: 12.733 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

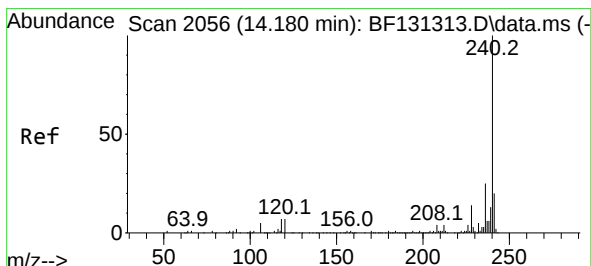
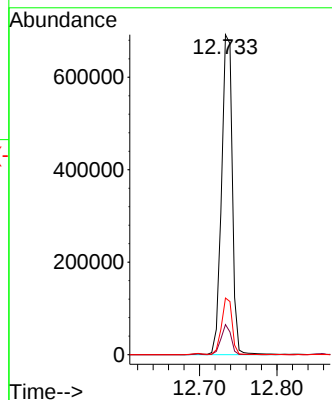
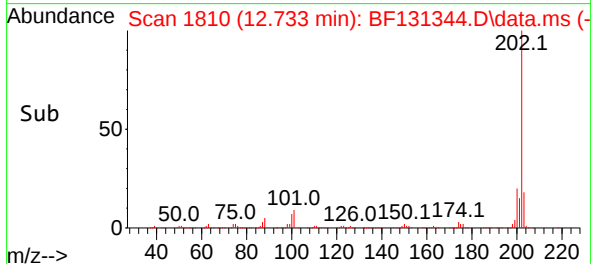
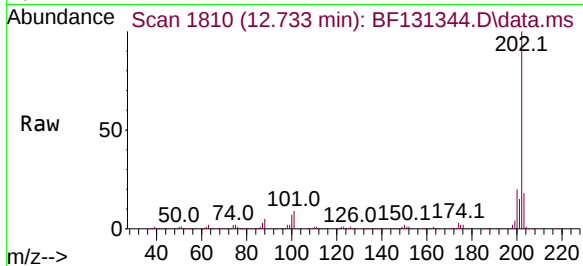
SOIL-PILE-16MS

Tgt Ion:202 Resp: 665459
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.6
203 17.7 0.0 37.8

Manual Integrations

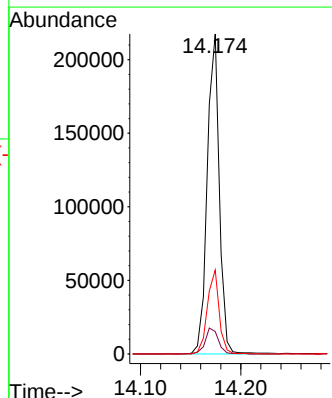
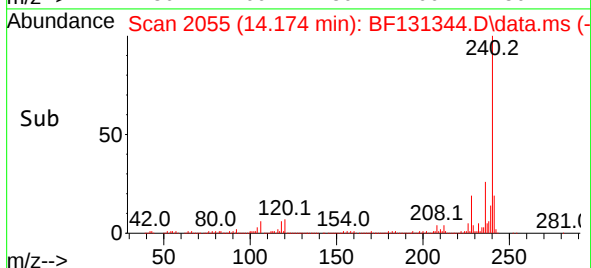
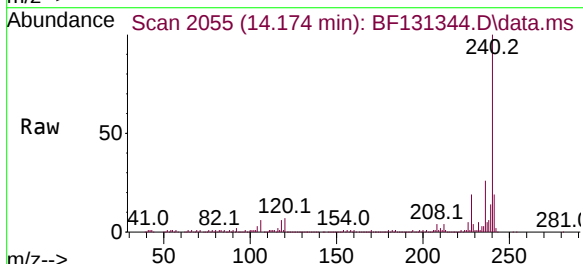
APPROVED

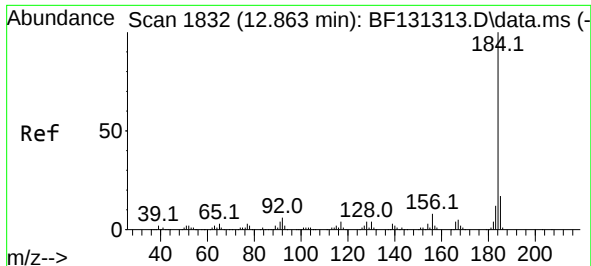
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

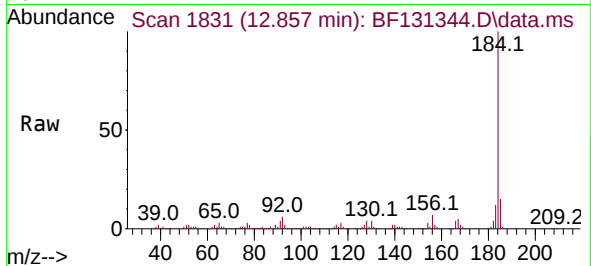
Tgt Ion:240 Resp: 181325
Ion Ratio Lower Upper
240 100
120 7.0 5.8 8.8
236 26.3 20.3 30.5





#77
Benzidine
Concen: 56.691 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

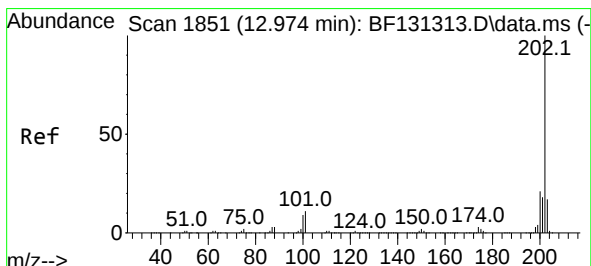
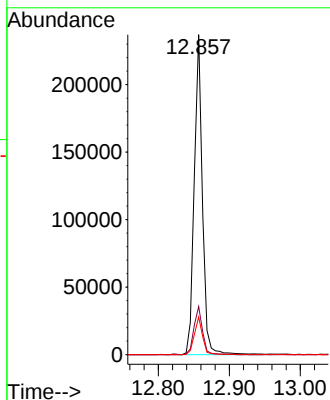
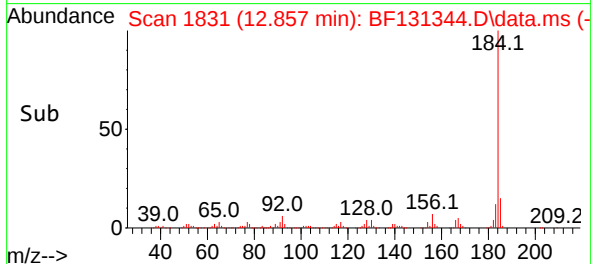
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



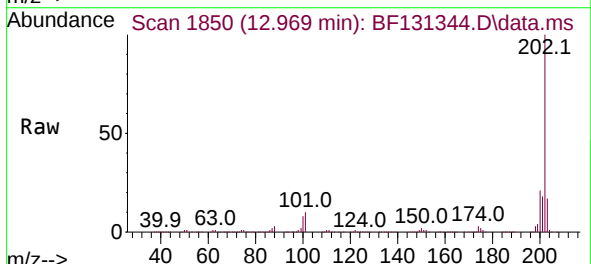
Tgt Ion:184 Resp: 189876
Ion Ratio Lower Upper
184 100
185 15.0 13.8 20.8
183 11.7 9.6 14.4

Manual Integrations
APPROVED

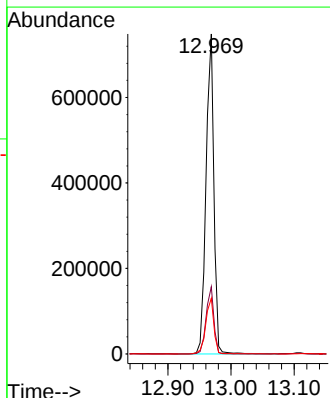
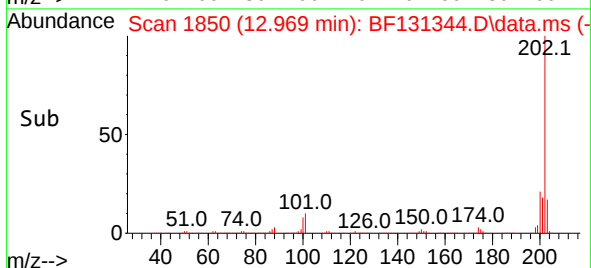
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

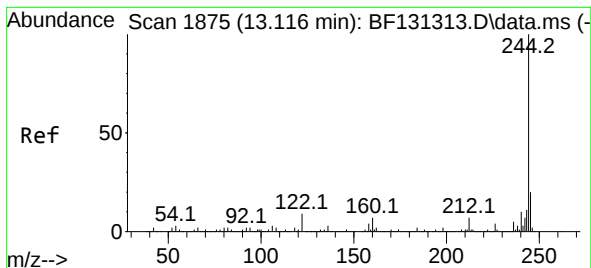


#78
Pyrene
Concen: 40.079 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



Tgt Ion:202 Resp: 641195
Ion Ratio Lower Upper
202 100
200 21.0 16.9 25.3
203 17.4 13.9 20.9





#79

Terphenyl-d14

Concen: 68.826 ng

RT: 13.110 min Scan# 1875

Delta R.T. -0.006 min

Lab File: BF131344.D

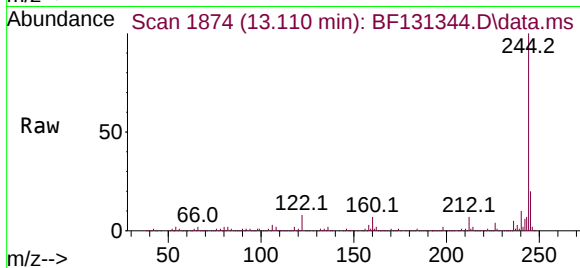
Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MS



Tgt Ion:244 Resp: 763168

Ion Ratio Lower Upper

244 100

212 6.7 5.9 8.9

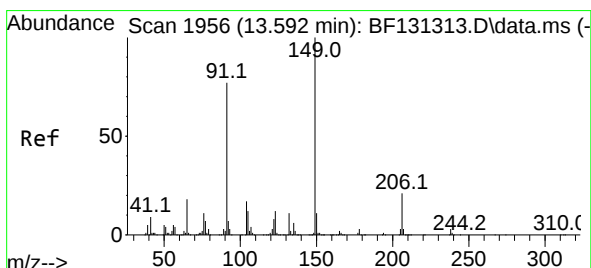
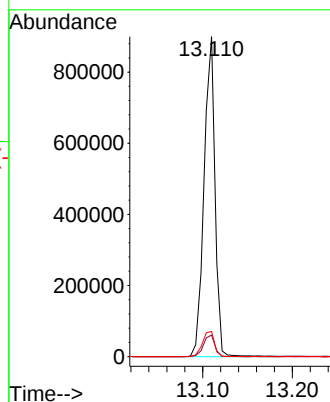
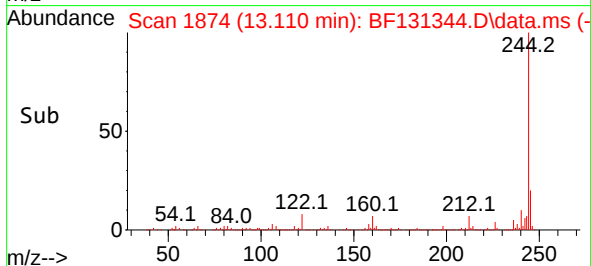
122 7.9 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#80

Butylbenzylphthalate

Concen: 45.725 ng

RT: 13.586 min Scan# 1955

Delta R.T. -0.006 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

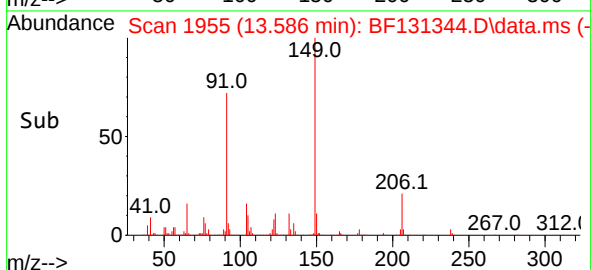
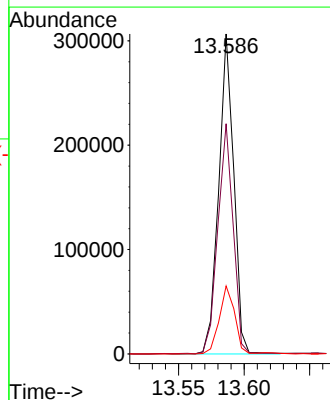
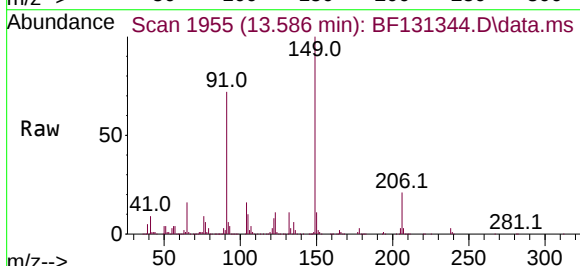
Tgt Ion:149 Resp: 244948

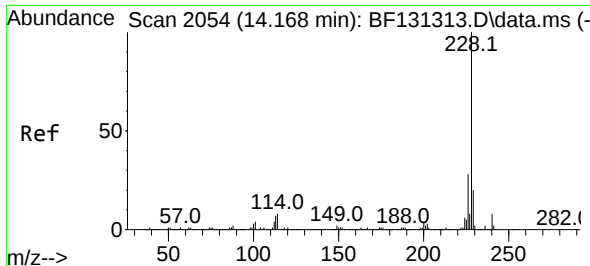
Ion Ratio Lower Upper

149 100

91 71.9 61.9 92.9

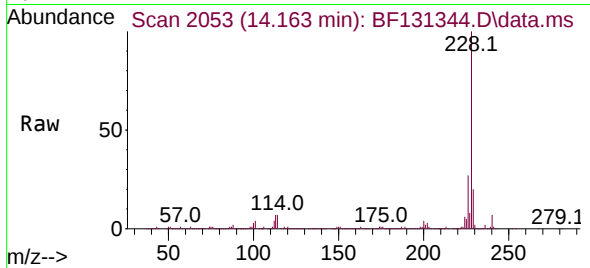
206 21.2 16.5 24.7





#81
Benzo(a)anthracene
Concen: 43.722 ng
RT: 14.163 min Scan# 2053
Delta R.T. -0.005 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

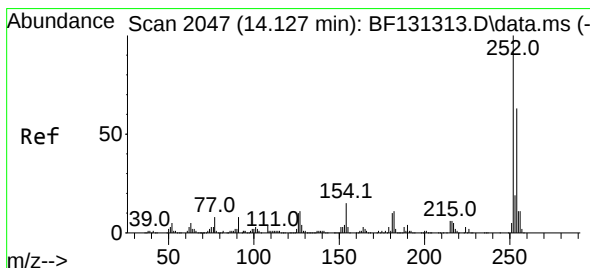
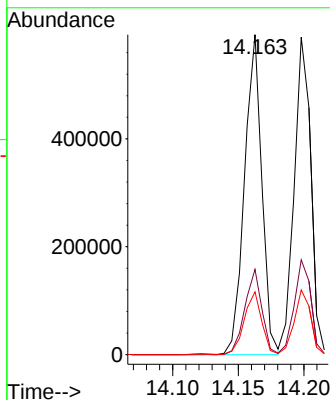
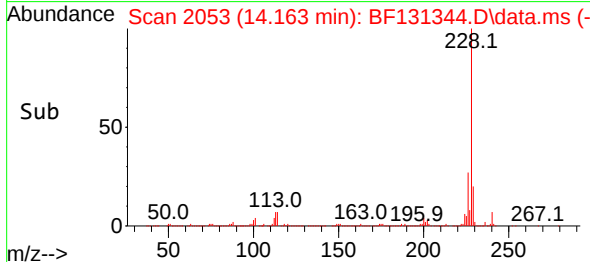
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



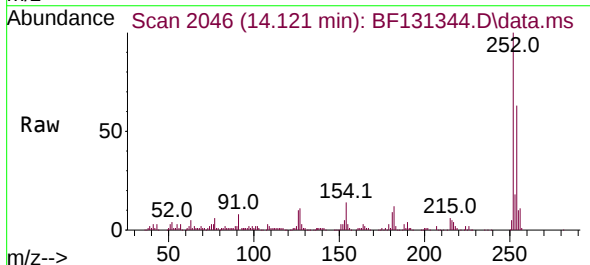
Tgt Ion:228 Resp: 543413
Ion Ratio Lower Upper
228 100
226 26.6 22.0 33.0
229 19.6 15.7 23.5

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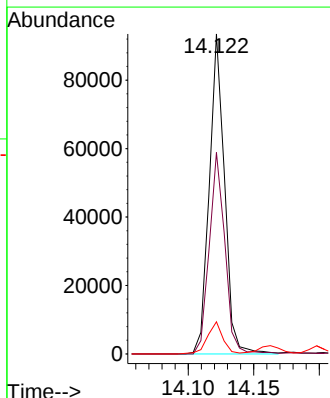
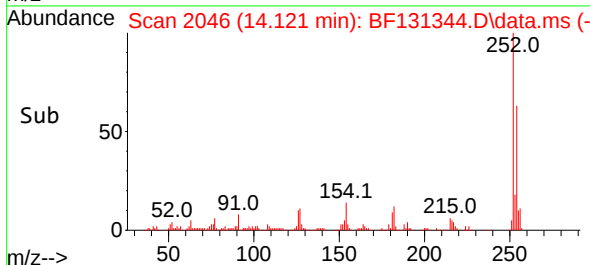
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

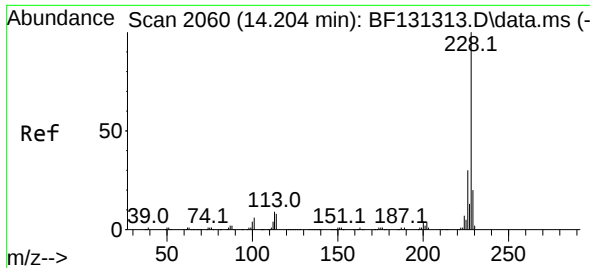


#82
3,3'-Dichlorobenzidine
Concen: 22.991 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



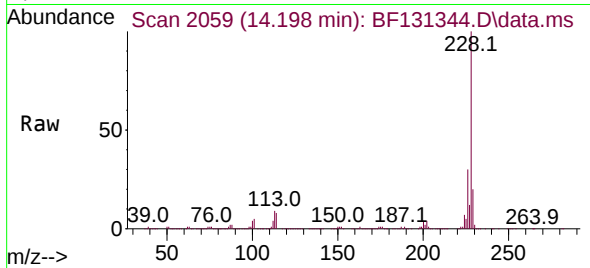
Tgt Ion:252 Resp: 75826
Ion Ratio Lower Upper
252 100
254 62.9 50.8 76.2
126 10.0 8.3 12.5





#83
Chrysene
Concen: 42.655 ng
RT: 14.198 min Scan# 2059
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

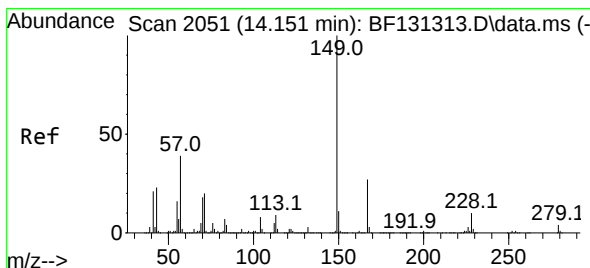
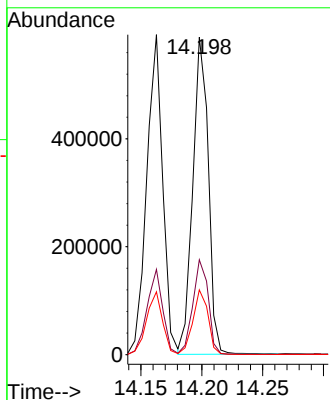
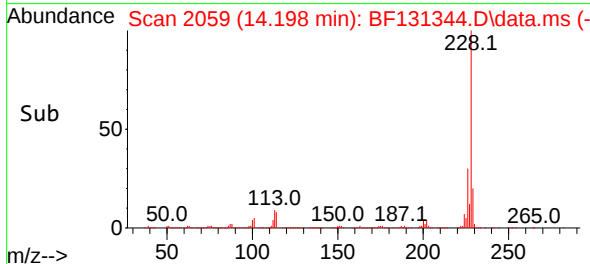
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



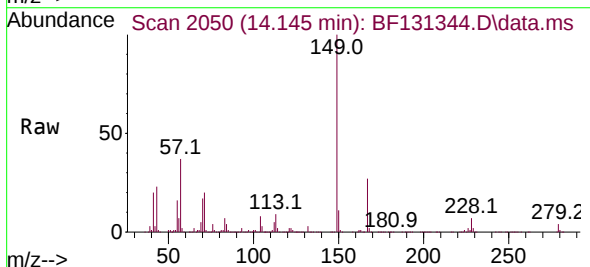
Tgt Ion:228 Resp: 520133
Ion Ratio Lower Upper
228 100
226 29.9 23.7 35.5
229 20.4 16.2 24.4

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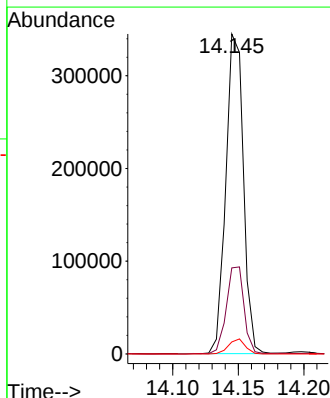
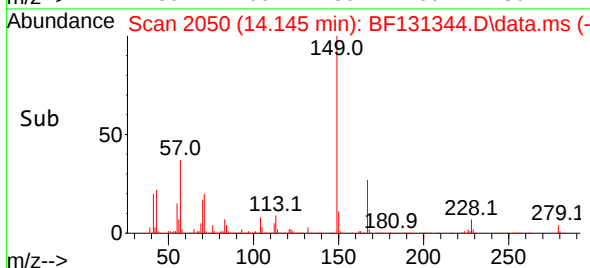
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

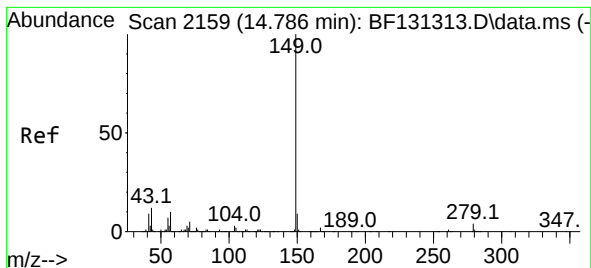


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.425 ng
RT: 14.145 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



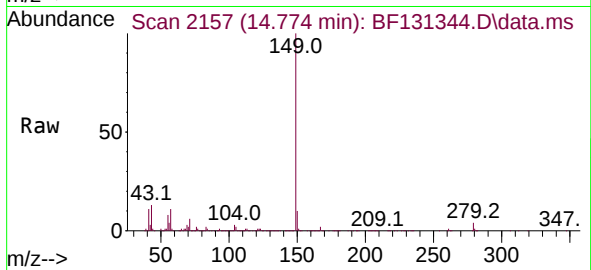
Tgt Ion:149 Resp: 322897
Ion Ratio Lower Upper
149 100
167 26.9 21.9 32.9
279 3.7 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 52.711 ng
RT: 14.774 min Scan# 2159
Delta R.T. -0.012 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49

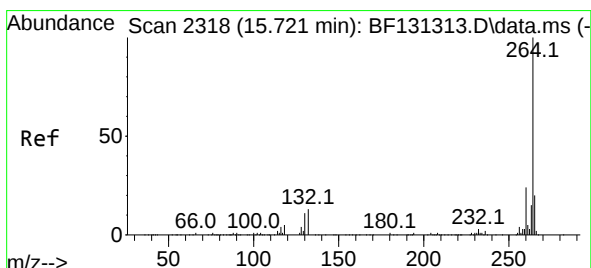
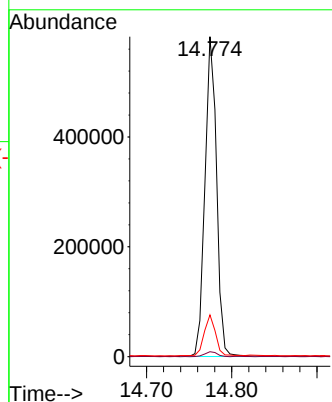
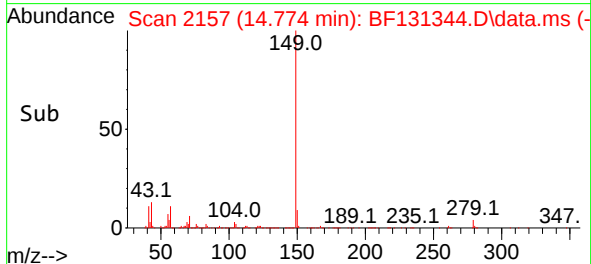
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-16MS



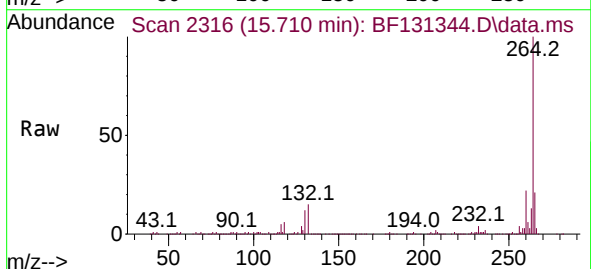
Tgt Ion:149 Resp: 551133
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 12.7 10.7 16.1

Manual Integrations
APPROVED

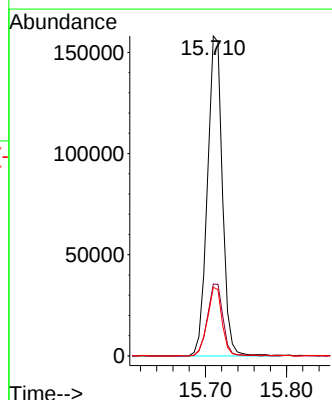
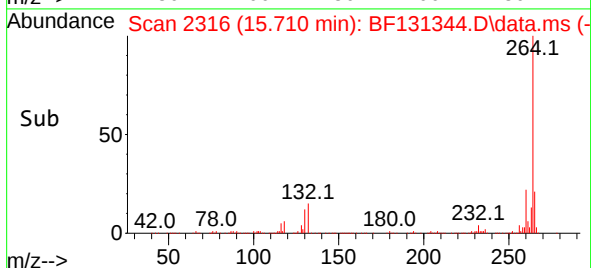
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

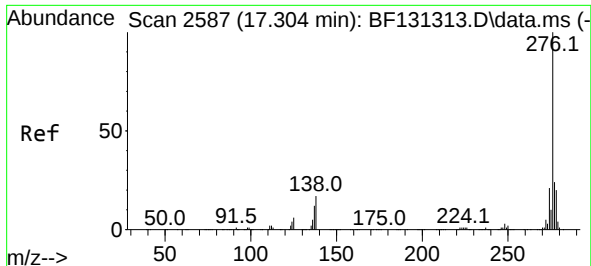


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.710 min Scan# 2316
Delta R.T. -0.012 min
Lab File: BF131344.D
Acq: 22 Nov 2022 22:49



Tgt Ion:264 Resp: 203163
Ion Ratio Lower Upper
264 100
260 22.4 19.0 28.4
265 21.4 16.4 24.6





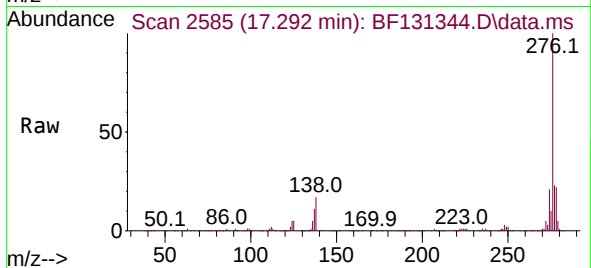
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 40.849 ng
 RT: 17.292 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF131344.D
 Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MS

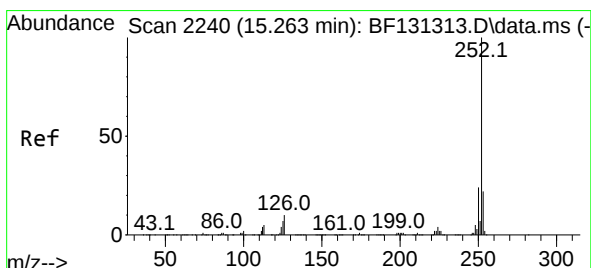
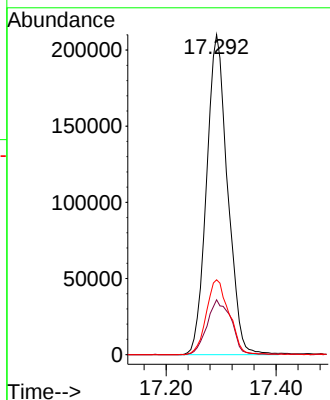
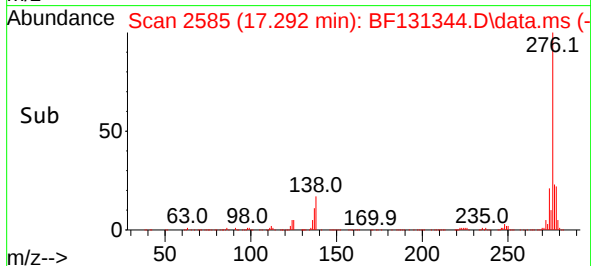


Tgt Ion:276 Resp: 557402
 Ion Ratio Lower Upper
 276 100
 138 19.6 15.8 23.6
 277 25.3 20.3 30.5

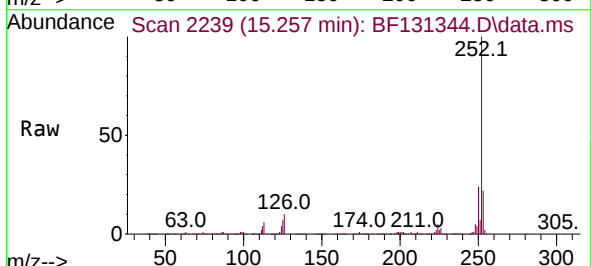
Manual Integrations

APPROVED

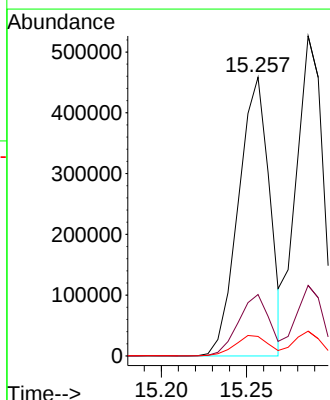
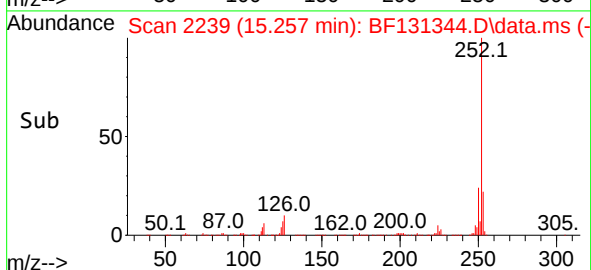
Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022

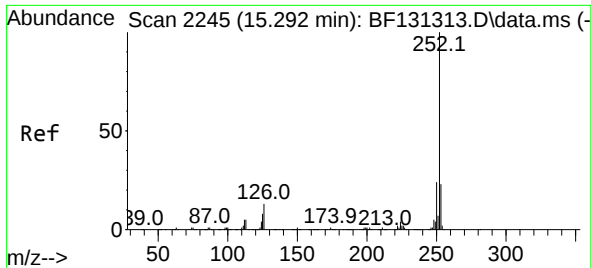


#88
 Benzo(b)fluoranthene
 Concen: 43.228 ng
 RT: 15.257 min Scan# 2239
 Delta R.T. -0.006 min
 Lab File: BF131344.D
 Acq: 22 Nov 2022 22:49



Tgt Ion:252 Resp: 583423
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.5 26.3
 125 7.0 5.8 8.6





#89

Benzo(k)fluoranthene

Concen: 41.822 ng

RT: 15.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MS

Tgt Ion:252 Resp: 580064

Ion Ratio Lower Upper

252 100

253 22.0 17.9 26.9

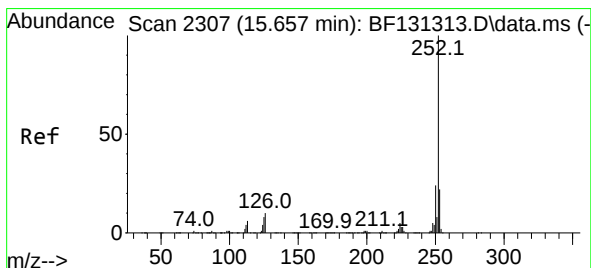
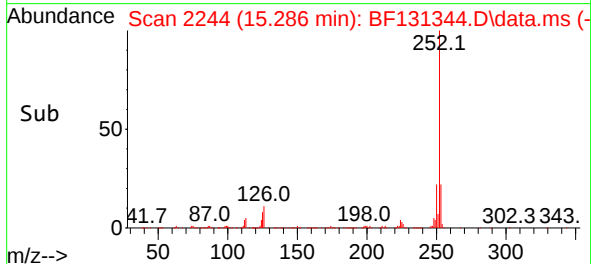
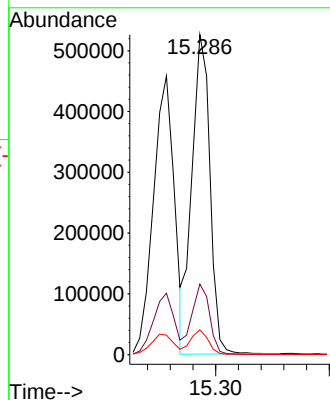
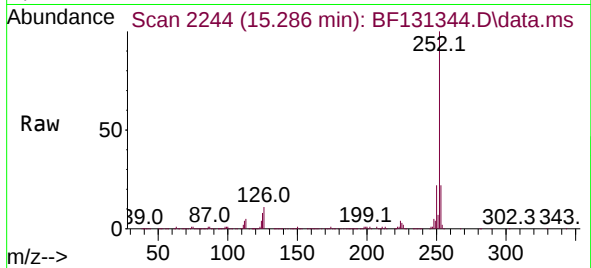
125 7.7 6.6 10.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#90

Benzo(a)pyrene

Concen: 47.753 ng

RT: 15.651 min Scan# 2306

Delta R.T. -0.006 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

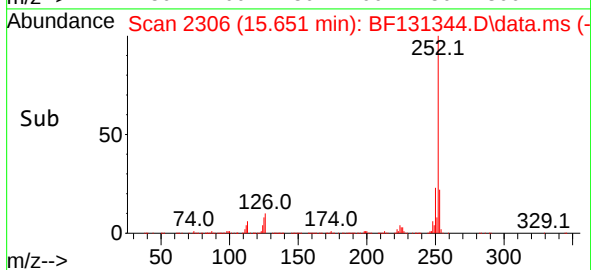
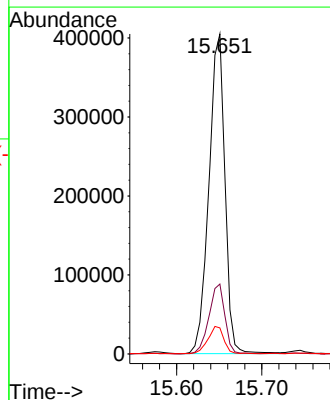
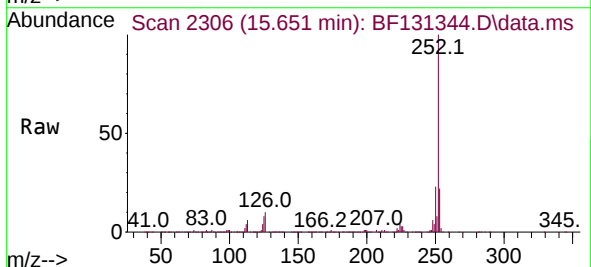
Tgt Ion:252 Resp: 528831

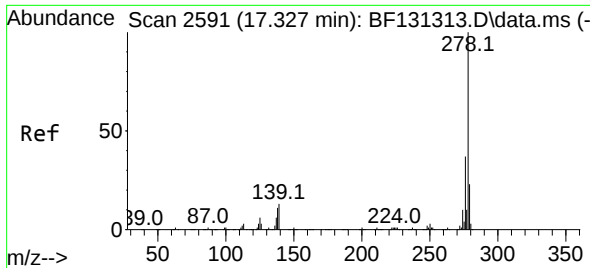
Ion Ratio Lower Upper

252 100

253 21.9 17.5 26.3

125 8.1 6.1 9.1





#91

Dibenzo(a,h)anthracene

Concen: 42.509 ng

RT: 17.315 min Scan# 2589

Delta R.T. -0.012 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-16MS

Tgt Ion:278 Resp: 478895

Ion Ratio Lower Upper

278 100

139 12.0 10.4 15.6

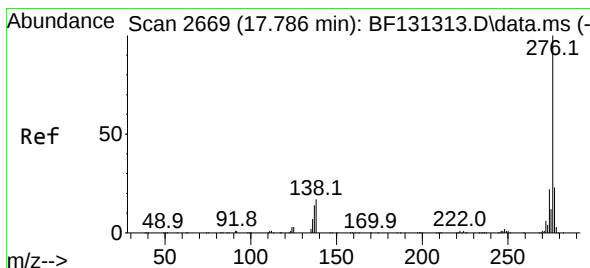
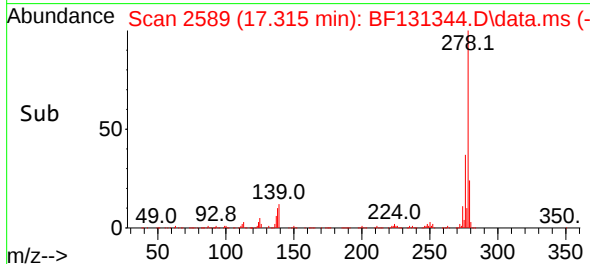
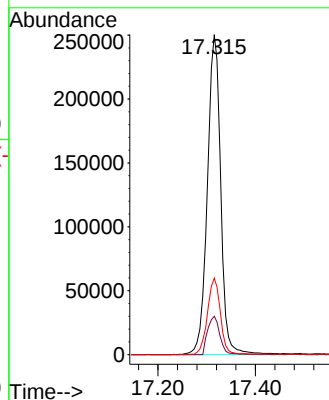
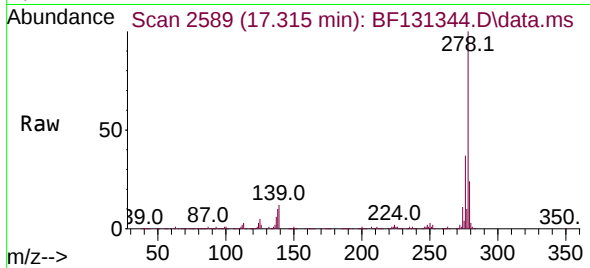
279 23.9 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#92

Benzo(g,h,i)perylene

Concen: 38.240 ng

RT: 17.774 min Scan# 2667

Delta R.T. -0.012 min

Lab File: BF131344.D

Acq: 22 Nov 2022 22:49

Tgt Ion:276 Resp: 429970

Ion Ratio Lower Upper

276 100

277 24.1 18.3 27.5

138 16.2 13.8 20.6

