

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131358.D
 Acq On : 23 Nov 2022 12:24
 Operator : CG\JU
 Sample : N5641-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-12

Quant Time: Nov 24 06:30:38 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 24 05:53:32 2022
 Response via : Initial Calibration

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

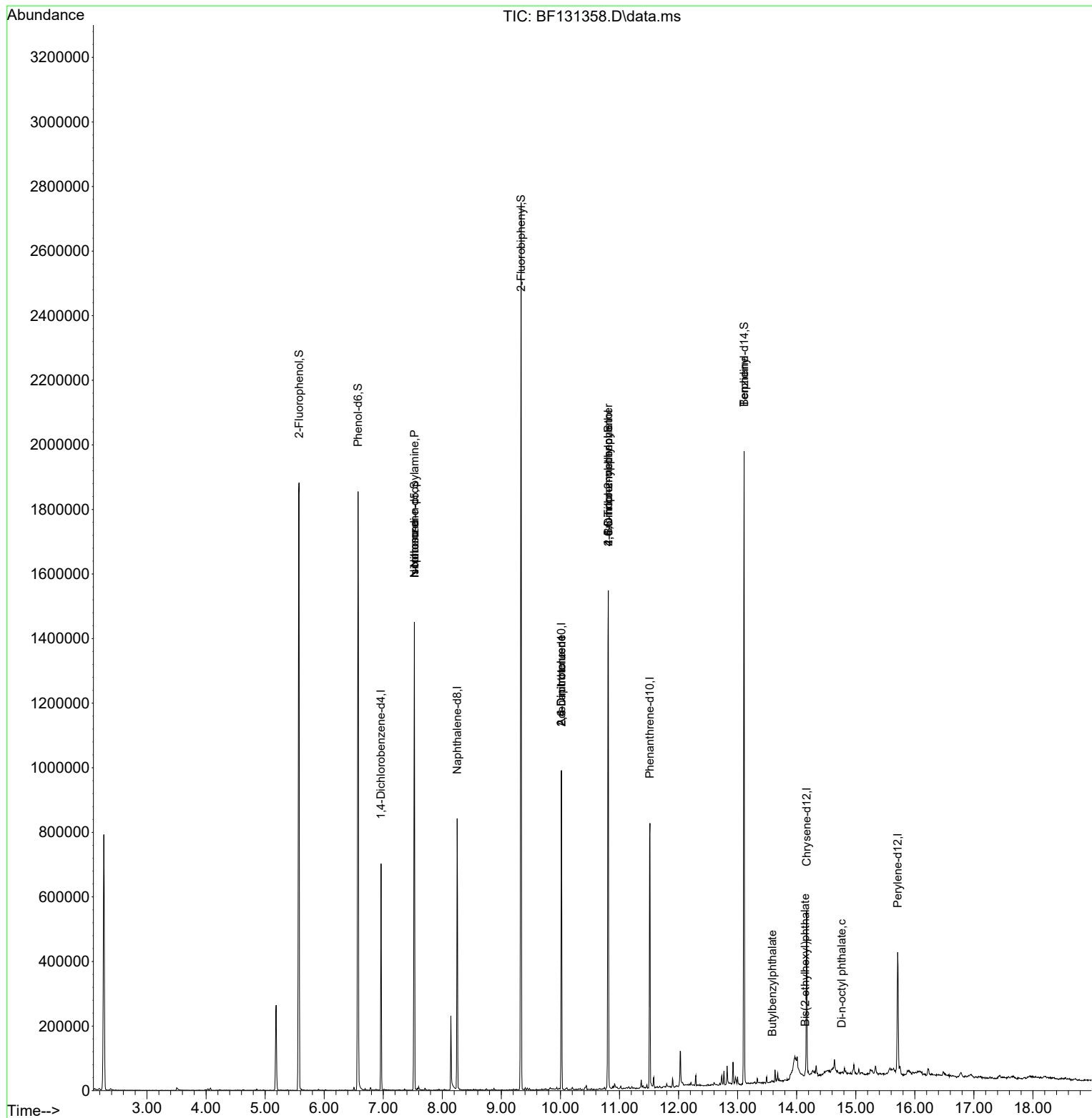
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	86609	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	319903	20.000	ng	0.00
39) Acenaphthene-d10	10.016	164	184406	20.000	ng	0.00
64) Phenanthrene-d10	11.516	188	302903	20.000	ng	0.01
76) Chrysene-d12	14.168	240	164315	20.000	ng	0.00
86) Perylene-d12	15.709	264	179460	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	499460	109.755	ng	0.02
7) Phenol-d6	6.575	99	628149	108.187	ng	0.00
23) Nitrobenzene-d5	7.528	82	409973	64.601	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	175062	112.840	ng	0.00
45) 2-Fluorobiphenyl	9.333	172	772465	60.942	ng	0.00
79) Terphenyl-d14	13.110	244	646733	64.363	ng	0.01
Target Compounds						Qvalue
9) Benzaldehyde	6.510	77	58	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	7.528	70	57768	13.591	ng	# 73
25) Isophorone	7.528	82	409962	36.209	ng	# 68
51) 2,6-Dinitrotoluene	10.016	165	24058	9.363	ng	# 14
57) 2,4-Dinitrotoluene	10.016	165	24058	7.442	ng	# 18
65) 4,6-Dinitro-2-methylph...	10.810	198	457	4.968	ng	# 1
67) 4-Bromophenyl-phenylether	10.810	248	11370	3.063	ng	# 1
77) Benzidine	13.110	184	8722	2.874	ng	# 93
80) Butylbenzylphthalate	13.586	149	924	4.317	ng	# 89
84) Bis(2-ethylhexyl)phtha...	14.145	149	2901	4.162	ng	# 93
85) Di-n-octyl phthalate	14.762	149	466	3.959	ng	# 1

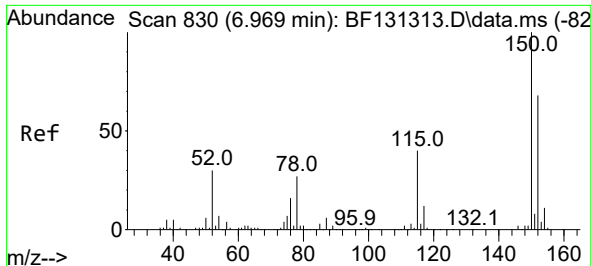
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
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Quant Time: Nov 24 06:30:38 2022
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Nov 24 05:53:32 2022
Response via : Initial Calibration

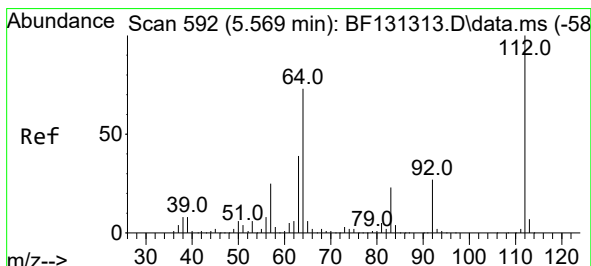
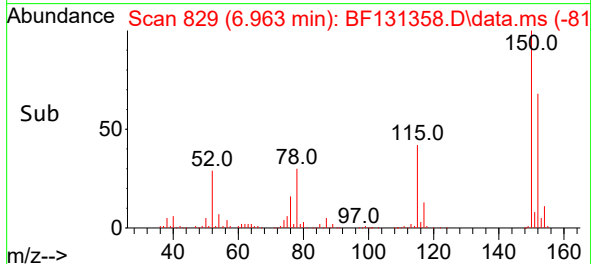
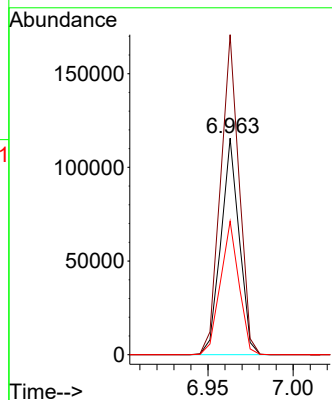
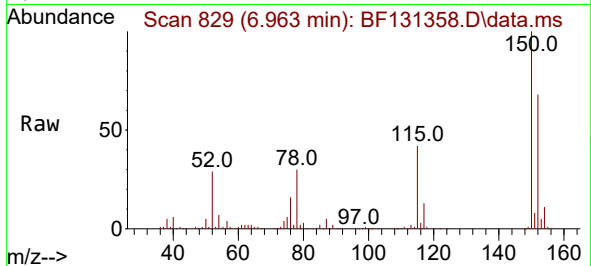




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.963 min Scan# 81
 Delta R.T. 0.006 min
 Lab File: BF131358.D
 Acq: 23 Nov 2022 12:24

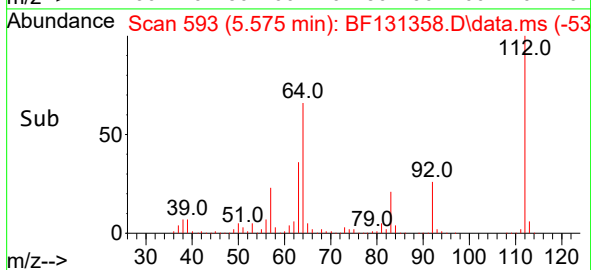
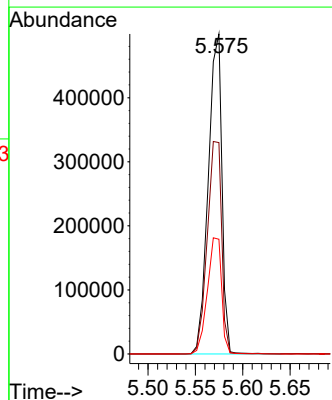
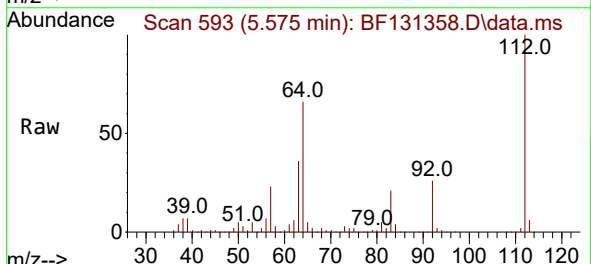
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-12

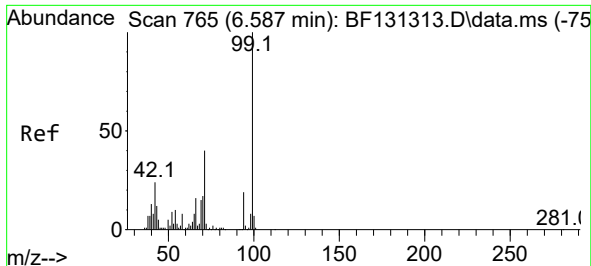
Tgt Ion:152 Resp: 86609
 Ion Ratio Lower Upper
 152 100
 150 147.8 117.8 176.8
 115 61.6 47.1 70.7



#5
 2-Fluorophenol
 Concen: 109.755 ng
 RT: 5.575 min Scan# 593
 Delta R.T. 0.017 min
 Lab File: BF131358.D
 Acq: 23 Nov 2022 12:24

Tgt Ion:112 Resp: 499460
 Ion Ratio Lower Upper
 112 100
 64 66.0 58.6 88.0
 63 35.9 31.4 47.0

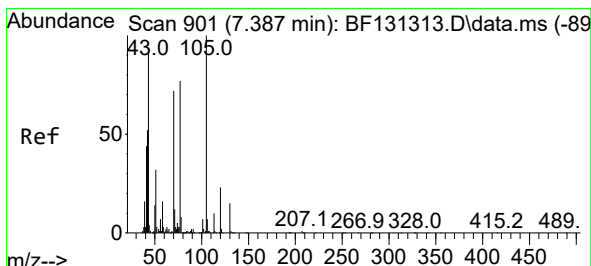
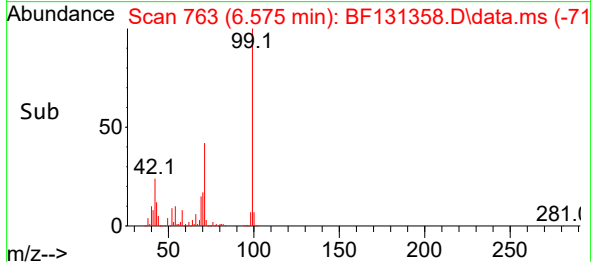
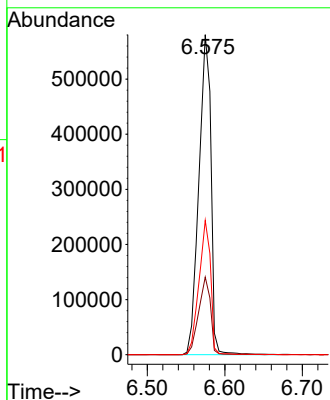
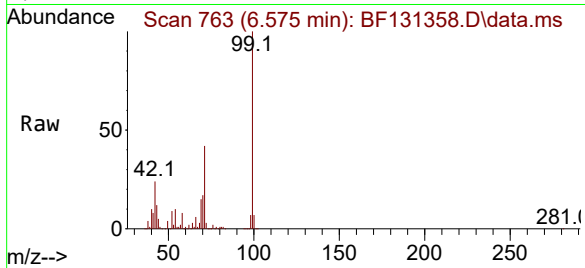




#7
Phenol-d6
Concen: 108.187 ng
RT: 6.575 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

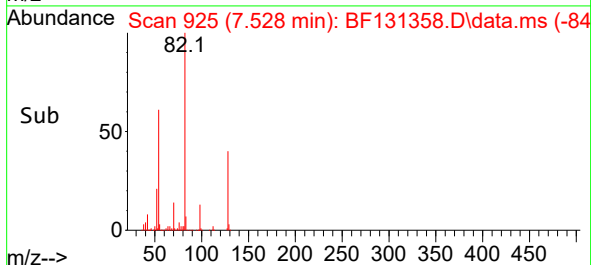
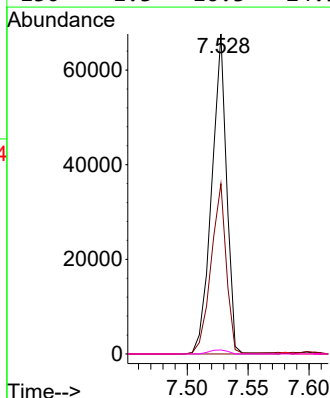
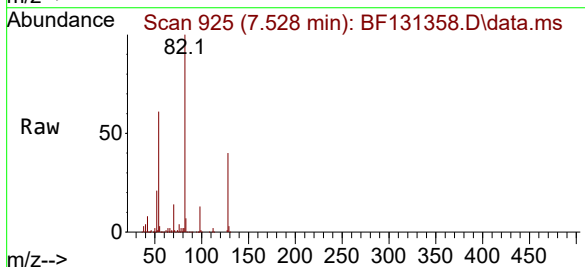
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-12

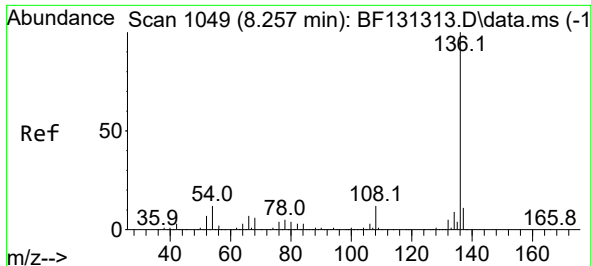
Tgt Ion: 99 Resp: 628149
Ion Ratio Lower Upper
99 100
42 24.2 19.4 29.2
71 41.9 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.591 ng
RT: 7.528 min Scan# 925
Delta R.T. 0.159 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

Tgt Ion: 70 Resp: 57768
Ion Ratio Lower Upper
70 100
42 53.2 57.6 86.4#
101 0.0 8.2 12.2#
130 1.3 16.3 24.5#

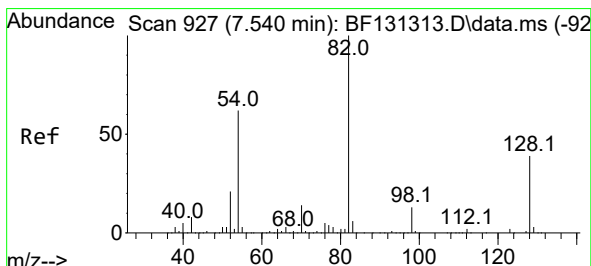
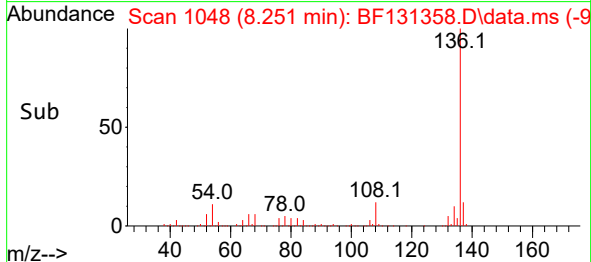
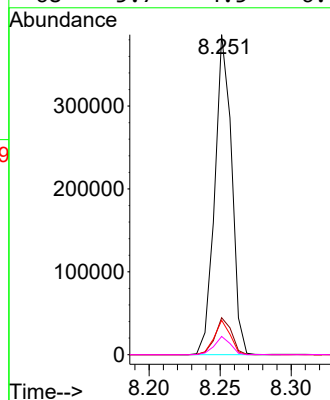
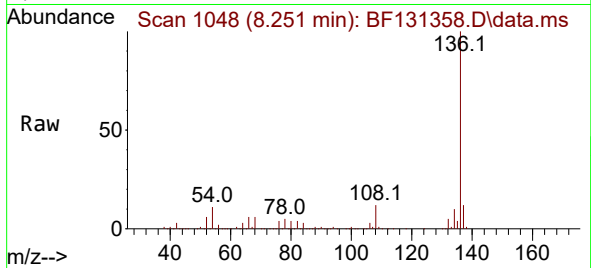




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1048
Delta R.T. 0.006 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

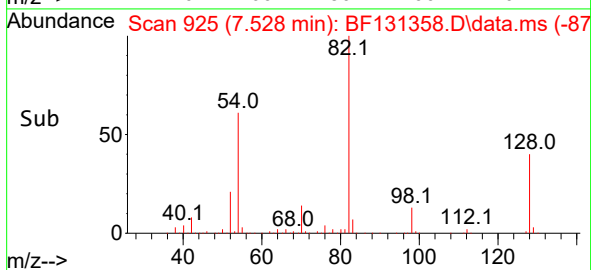
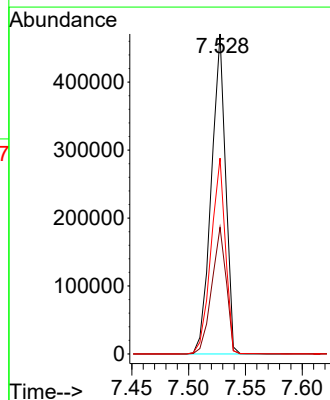
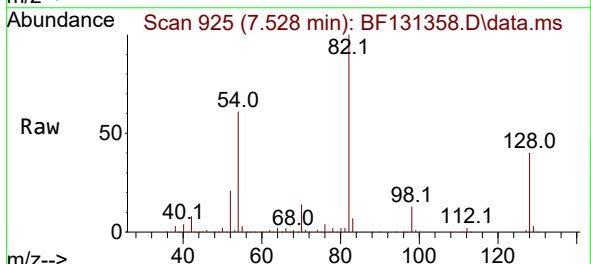
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-12

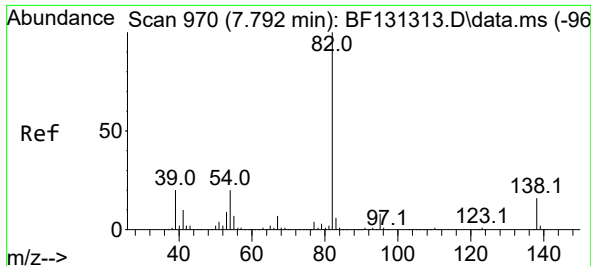
Tgt Ion:136 Resp: 319903
Ion Ratio Lower Upper
136 100
137 11.6 9.0 13.6
54 10.8 9.4 14.0
68 5.7 4.5 6.7



#23
Nitrobenzene-d5
Concen: 64.601 ng
RT: 7.528 min Scan# 925
Delta R.T. 0.006 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

Tgt Ion: 82 Resp: 409973
Ion Ratio Lower Upper
82 100
128 39.6 31.4 47.0
54 61.2 49.8 74.6

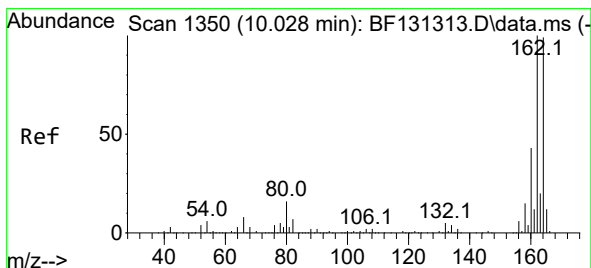
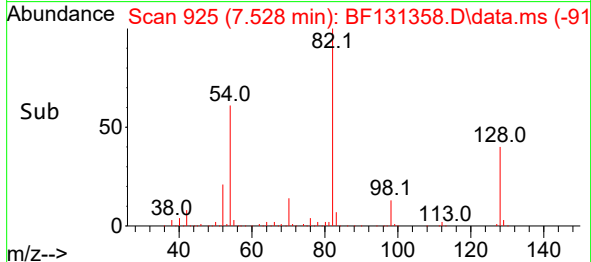
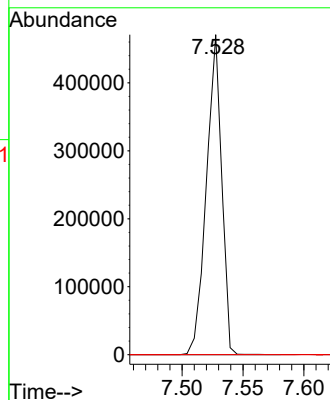
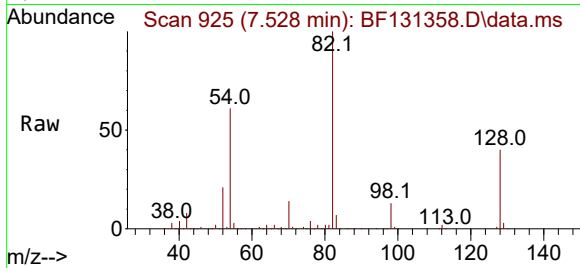




#25
Isophorone
Concen: 36.209 ng
RT: 7.528 min Scan# 91
Delta R.T. -0.253 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

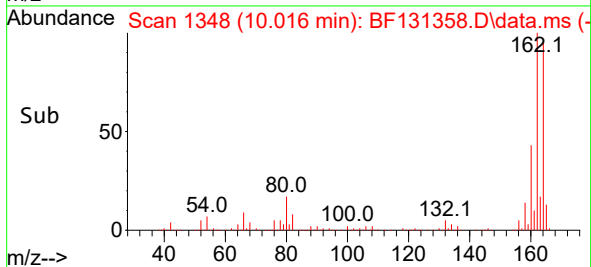
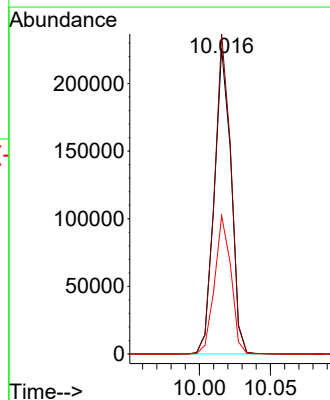
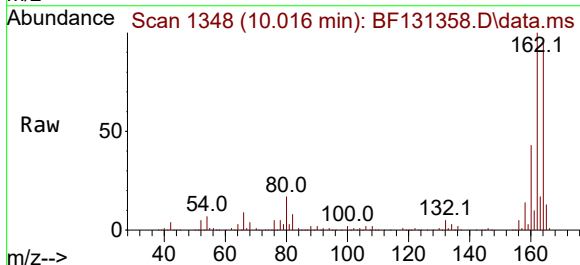
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ClientSampleId :
SOIL-PILE-12

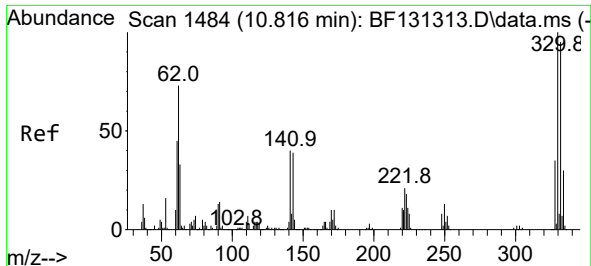
Tgt Ion: 82 Resp: 409962
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.016 min Scan# 1348
Delta R.T. 0.006 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

Tgt Ion:164 Resp: 184406
Ion Ratio Lower Upper
164 100
162 104.8 80.6 120.8
160 45.3 34.4 51.6

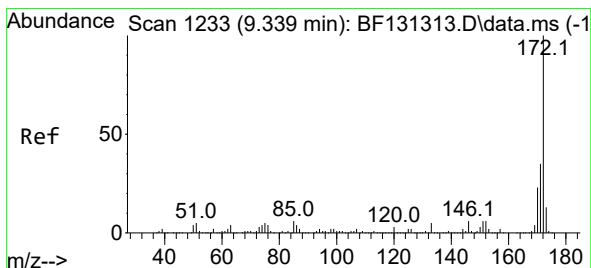
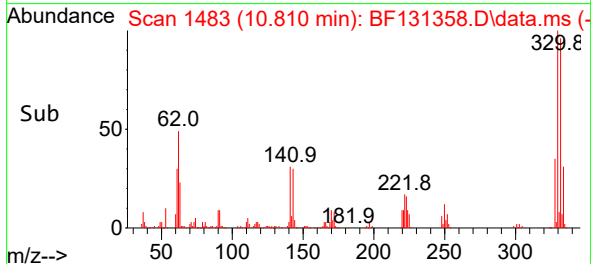
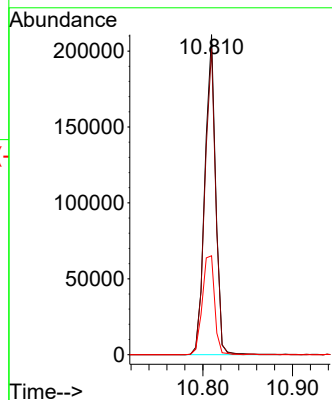
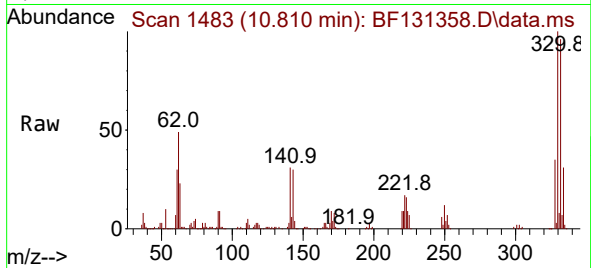




#42
2,4,6-Tribromophenol
Concen: 112.840 ng
RT: 10.810 min Scan# 1483
Delta R.T. 0.006 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

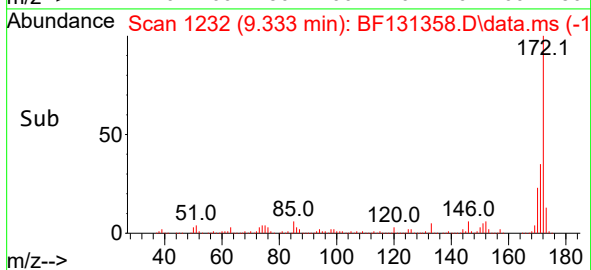
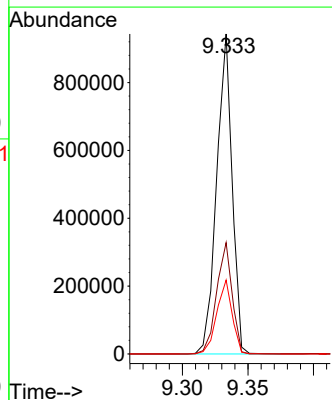
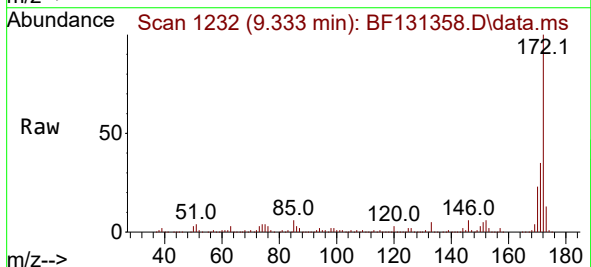
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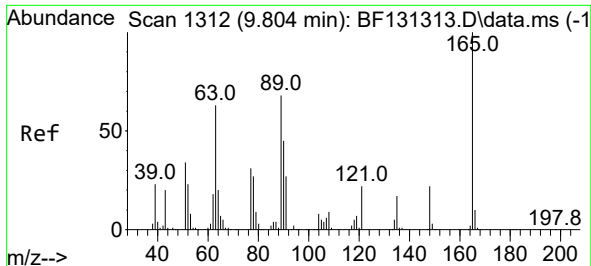
Tgt Ion:330 Resp: 175062
Ion Ratio Lower Upper
330 100
332 96.1 77.5 116.3
141 35.5 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 60.942 ng
RT: 9.333 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

Tgt Ion:172 Resp: 772465
Ion Ratio Lower Upper
172 100
171 34.8 28.2 42.2
170 23.1 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.363 ng

RT: 10.016 min Scan# 1348

Delta R.T. 0.223 min

Lab File: BF131358.D

Acq: 23 Nov 2022 12:24

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-12

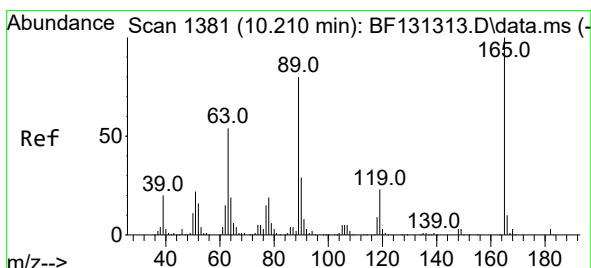
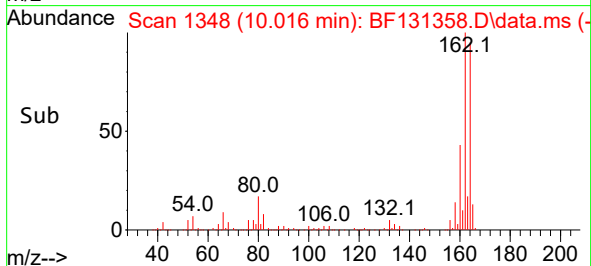
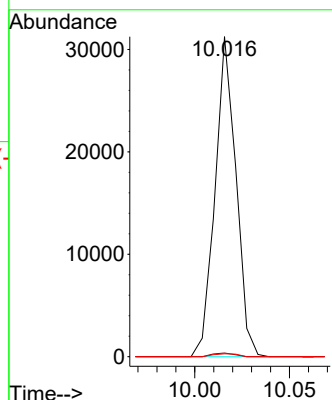
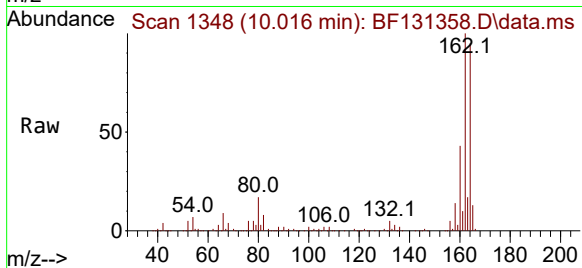
Tgt Ion:165 Resp: 24058

Ion Ratio Lower Upper

165 100

63 1.2 62.0 93.0#

89 0.9 54.4 81.6#



#57

2,4-Dinitrotoluene

Concen: 7.442 ng

RT: 10.016 min Scan# 1348

Delta R.T. -0.177 min

Lab File: BF131358.D

Acq: 23 Nov 2022 12:24

Tgt Ion:165 Resp: 24058

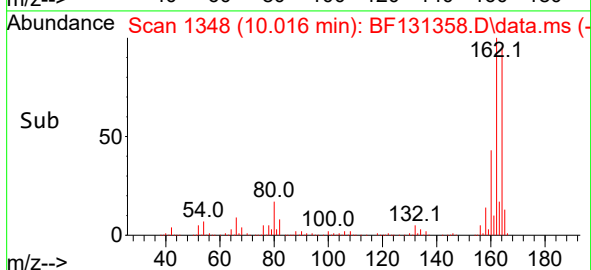
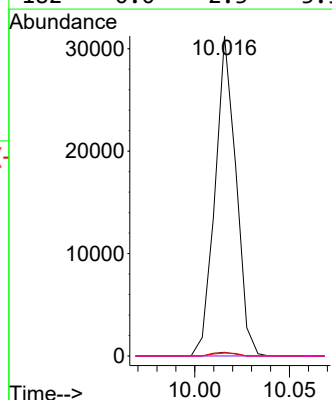
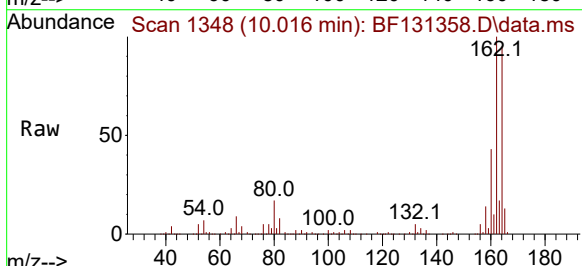
Ion Ratio Lower Upper

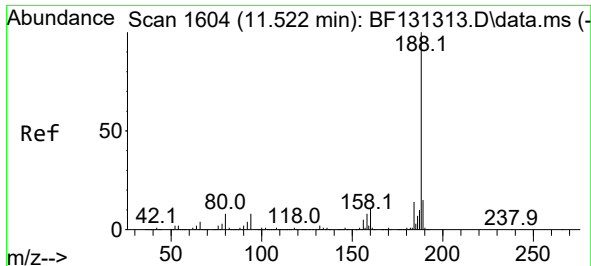
165 100

63 1.2 43.4 65.2#

89 0.9 64.0 96.0#

182 0.0 2.3 3.5#

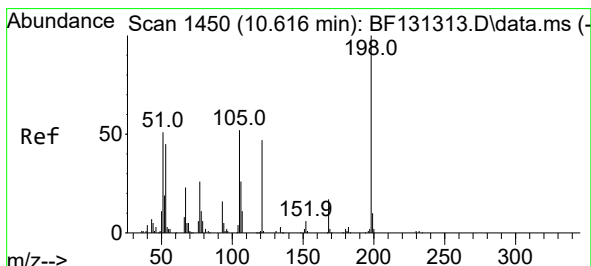
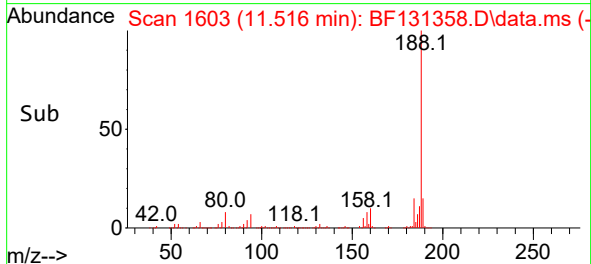
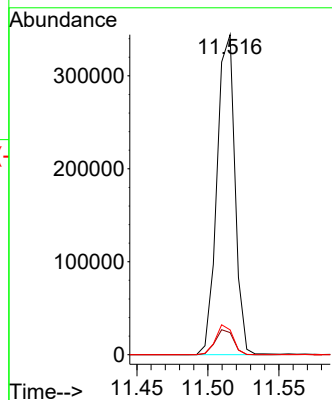
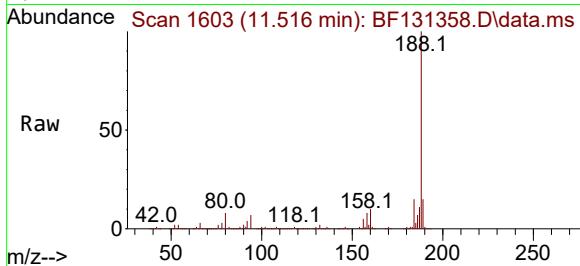




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

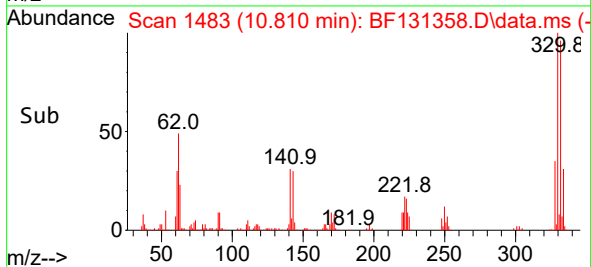
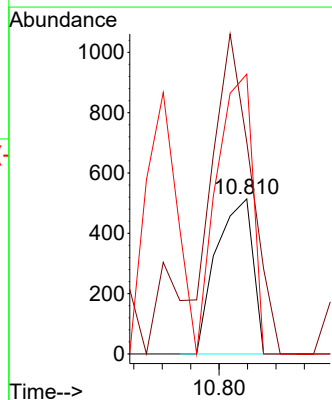
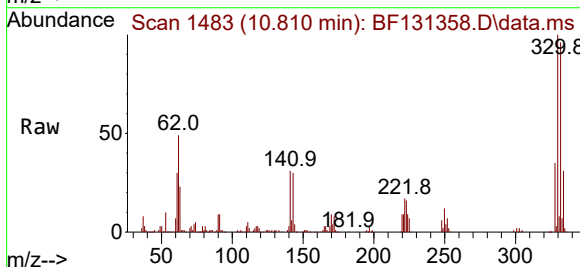
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-12

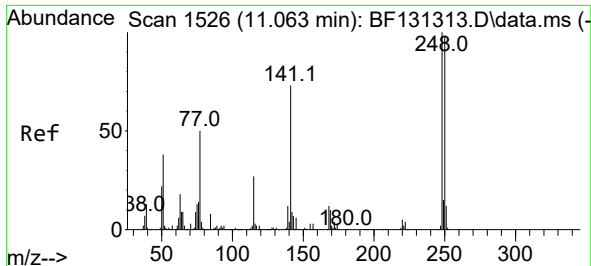
Tgt Ion:188 Resp: 302903
Ion Ratio Lower Upper
188 100
94 6.9 6.3 9.5
80 7.8 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 4.968 ng
RT: 10.810 min Scan# 1483
Delta R.T. 0.206 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

Tgt Ion:198 Resp: 457
Ion Ratio Lower Upper
198 100
51 136.8 50.1 90.1#
105 180.5 32.5 72.5#

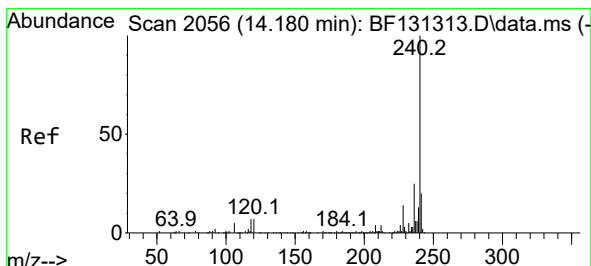
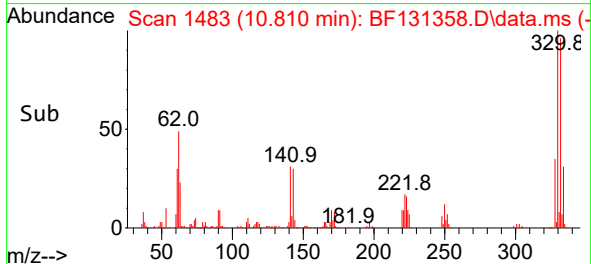
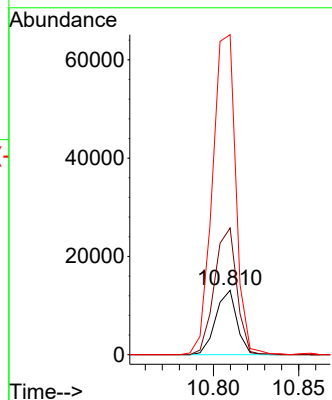
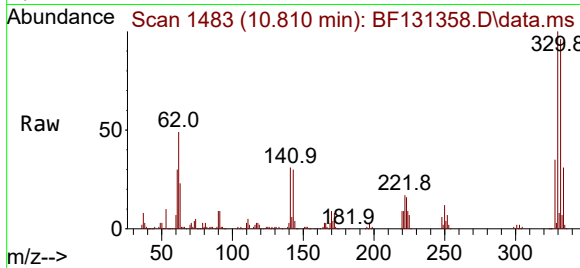




#67
4-Bromophenyl-phenylether
Concen: 3.063 ng
RT: 10.810 min Scan# 14
Delta R.T. -0.236 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

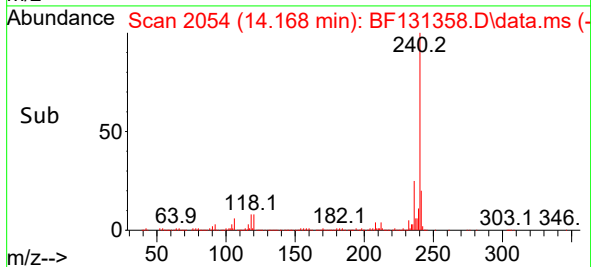
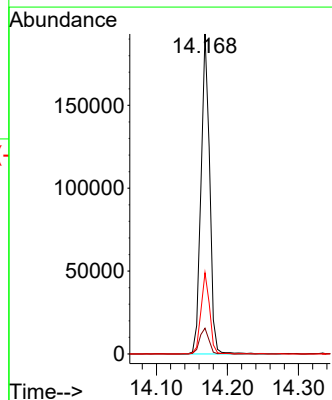
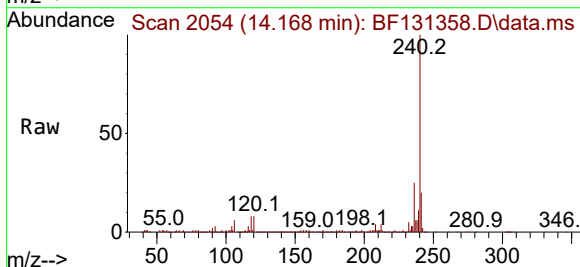
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-12

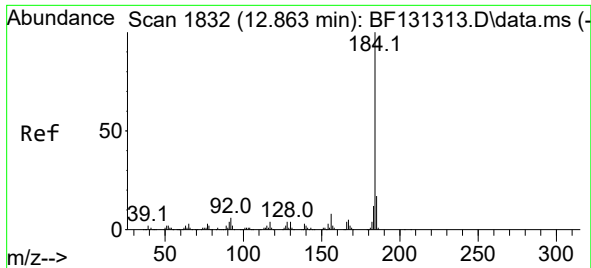
Tgt Ion:248 Resp: 11370
Ion Ratio Lower Upper
248 100
250 196.9 78.3 117.5#
141 497.2 58.0 87.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.168 min Scan# 2054
Delta R.T. 0.006 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

Tgt Ion:240 Resp: 164315
Ion Ratio Lower Upper
240 100
120 8.1 5.8 8.8
236 25.4 20.3 30.5

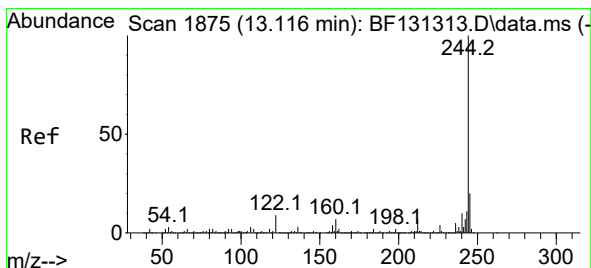
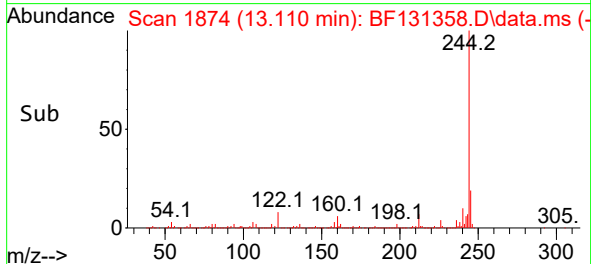
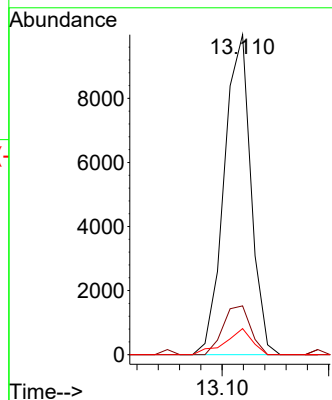
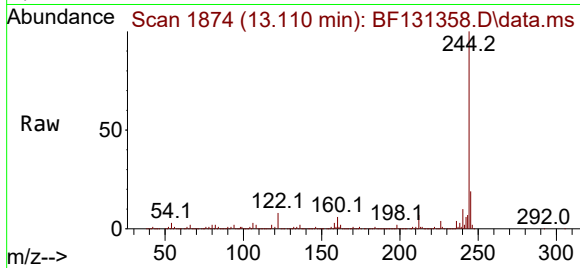




#77
Benzidine
Concen: 2.874 ng
RT: 13.110 min Scan# 1874
Delta R.T. 0.264 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

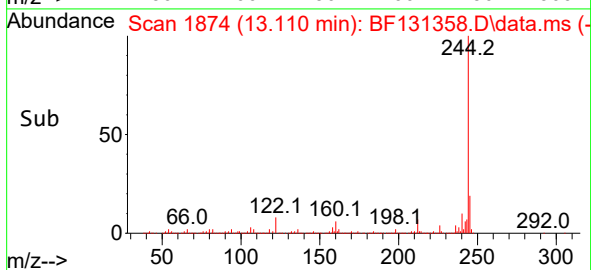
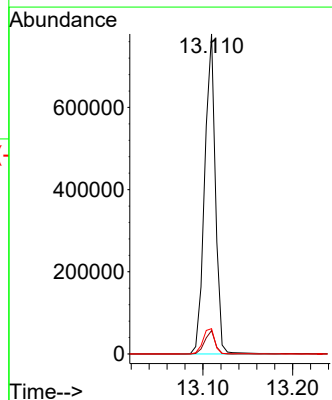
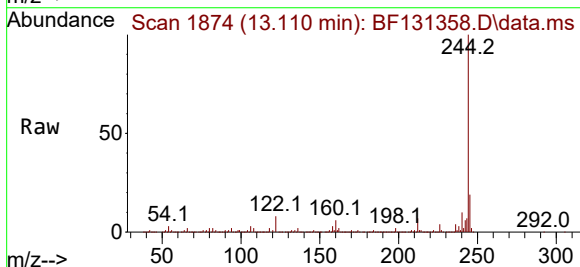
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-12

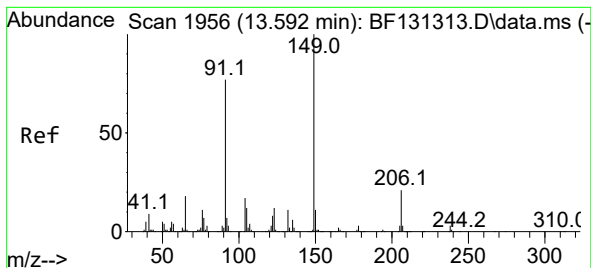
Tgt Ion:184 Resp: 8722
Ion Ratio Lower Upper
184 100
185 15.2 13.8 20.8
183 8.2 9.6 14.4#



#79
Terphenyl-d14
Concen: 64.363 ng
RT: 13.110 min Scan# 1874
Delta R.T. 0.012 min
Lab File: BF131358.D
Acq: 23 Nov 2022 12:24

Tgt Ion:244 Resp: 646733
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 7.9 7.5 11.3





#80

Butylbenzylphthalate

Concen: 4.317 ng

RT: 13.586 min Scan# 1956

Delta R.T. 0.012 min

Lab File: BF131358.D

Acq: 23 Nov 2022 12:24

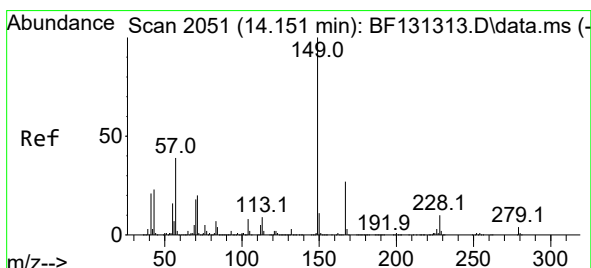
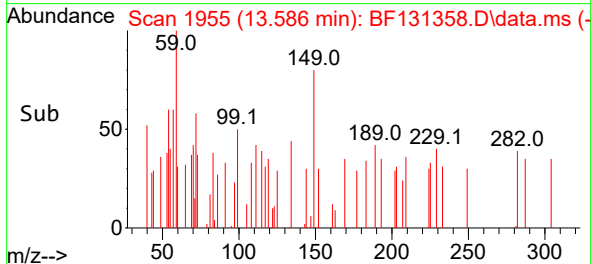
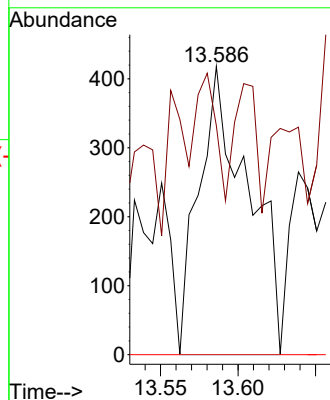
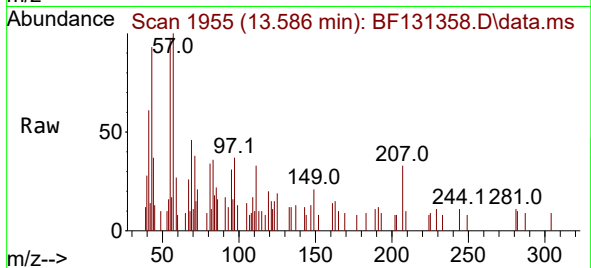
Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-12

Tgt Ion:	149	Resp:	924
Ion Ratio	Lower	Upper	
149	100		
91	79.4	61.9	92.9
206	0.0	16.5	24.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.162 ng

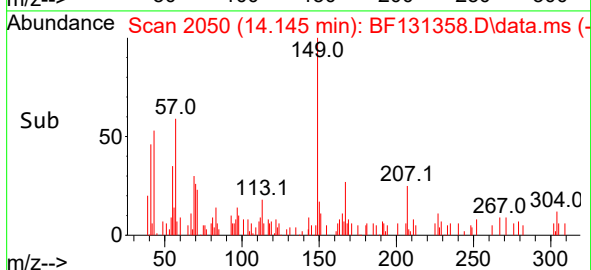
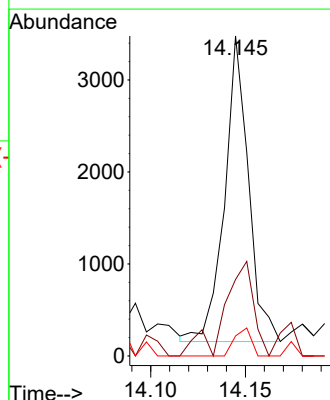
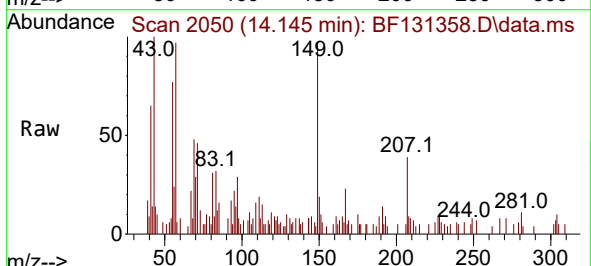
RT: 14.145 min Scan# 2050

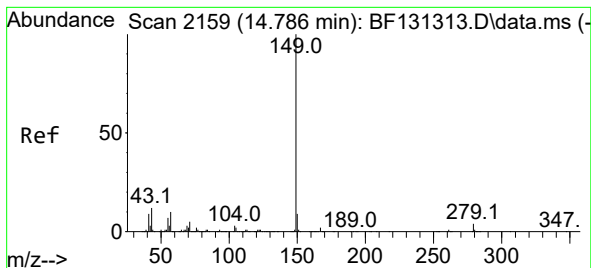
Delta R.T. 0.012 min

Lab File: BF131358.D

Acq: 23 Nov 2022 12:24

Tgt Ion:	149	Resp:	2901
Ion Ratio	Lower	Upper	
149	100		
167	23.9	21.9	32.9
279	6.3	3.0	4.4





#85

Di-n-octyl phthalate

Concen: 3.959 ng

RT: 14.762 min Scan# 2155

Delta R.T. -0.000 min

Lab File: BF131358.D

Acq: 23 Nov 2022 12:24

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-12

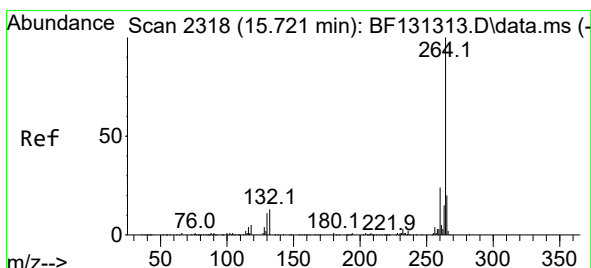
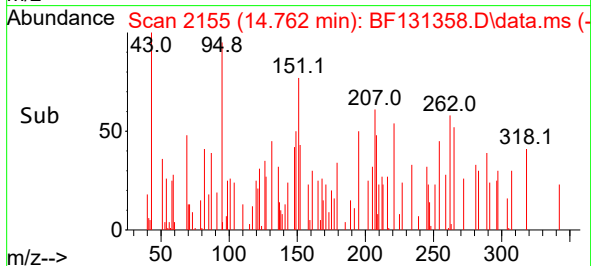
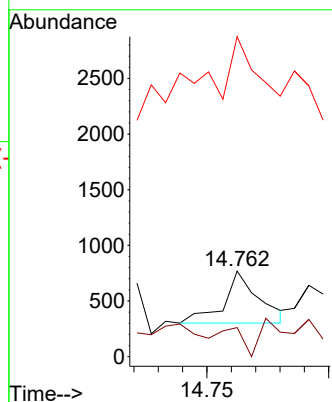
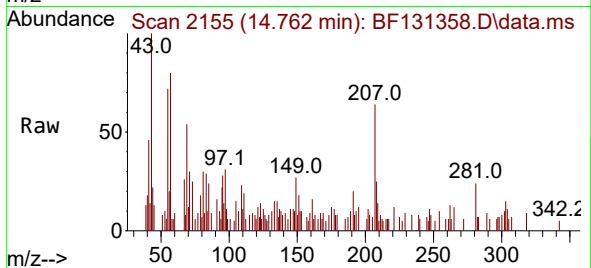
Tgt Ion:149 Resp: 466

Ion Ratio Lower Upper

149 100

167 58.6 1.2 1.8#

43 273.6 10.7 16.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.709 min Scan# 2316

Delta R.T. 0.017 min

Lab File: BF131358.D

Acq: 23 Nov 2022 12:24

Tgt Ion:264 Resp: 179460

Ion Ratio Lower Upper

264 100

260 22.5 19.0 28.4

265 21.4 16.4 24.6

