

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131384.D
 Acq On : 24 Nov 2022 03:32
 Operator : CG\JU
 Sample : N5641-10
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-10

Quant Time: Nov 24 06:00:39 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)

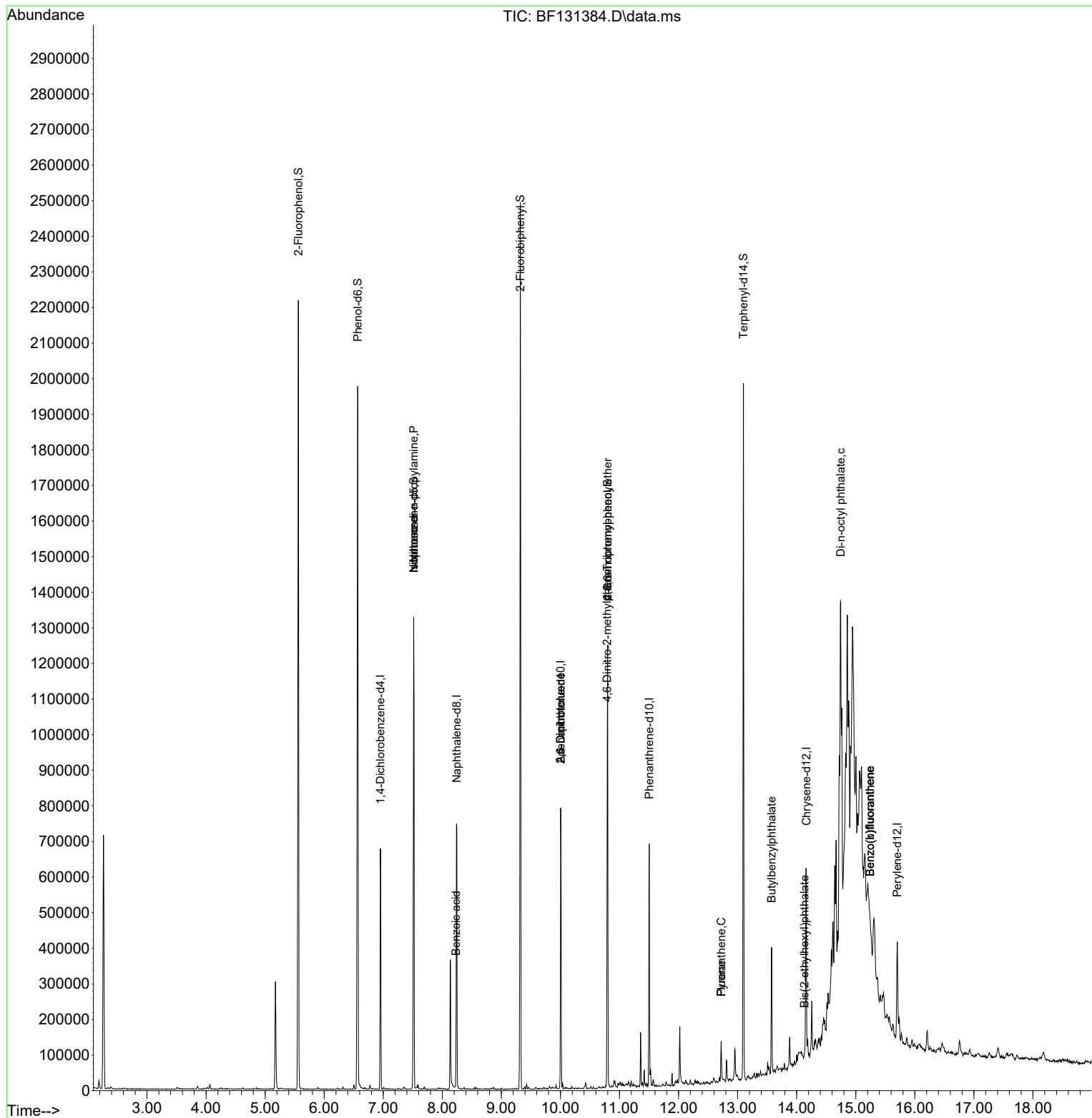
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.951	152	97843	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	321193	20.000	ng	# 0.00
39) Acenaphthene-d10	10.004	164	151487	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	238422	20.000	ng	0.00
76) Chrysene-d12	14.163	240	194487	20.000	ng	0.00
86) Perylene-d12	15.704	264	135606	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	522481	101.632	ng	0.00
7) Phenol-d6	6.569	99	636583	97.051	ng	0.00
23) Nitrobenzene-d5	7.516	82	403521	63.329	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	129384	101.520	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	675950	64.916	ng	0.00
79) Terphenyl-d14	13.098	244	618790	52.028	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.504	77	351	Below Cal	#	59
19) n-Nitroso-di-n-propyla...	7.516	70	55554	11.570	ng	# 76
25) Isophorone	7.516	82	401862	35.351	ng	# 68
32) Benzoic acid	8.234	122	54	5.150	ng	# 27
51) 2,6-Dinitrotoluene	10.004	165	19338	9.162	ng	# 15
57) 2,4-Dinitrotoluene	10.004	165	19338	7.281	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.792	198	275	4.875	ng	# 1
67) 4-Bromophenyl-phenylether	10.798	248	8833	3.023	ng	# 1
75) Fluoranthene	12.722	202	39079	2.878	ng	99
78) Pyrene	12.722	202	39079	2.277	ng	97
80) Butylbenzylphthalate	13.574	149	71747	15.499	ng	97
84) Bis(2-ethylhexyl)phtha...	14.133	149	5383	4.397	ng	# 95
85) Di-n-octyl phthalate	14.745	149	556630	50.349	ng	# 43
88) Benzo(b)fluoranthene	15.245	252	30567	3.393	ng	# 86
89) Benzo(k)fluoranthene	15.245	252	30567	3.302	ng	# 87

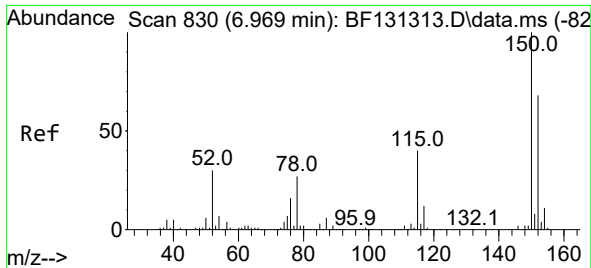
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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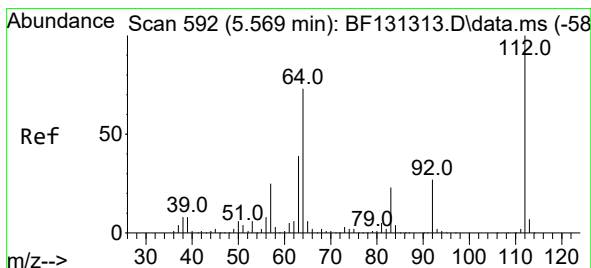
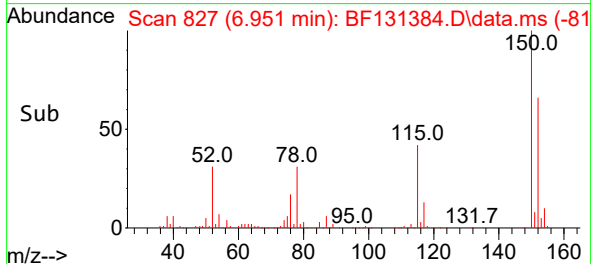
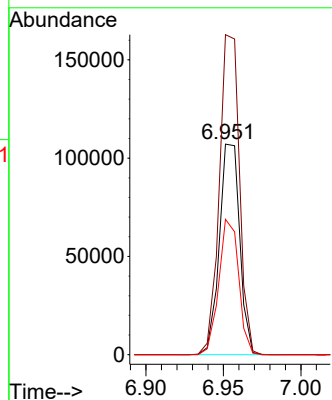
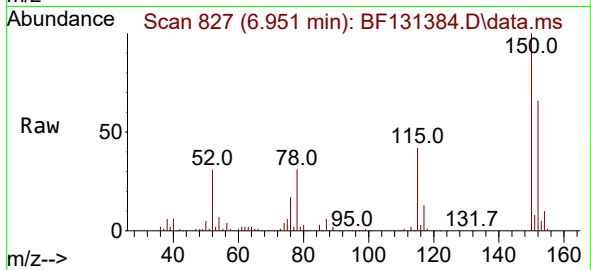




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.951 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

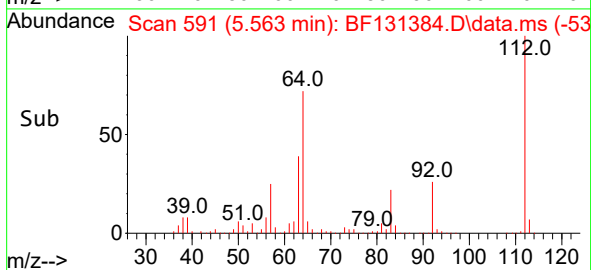
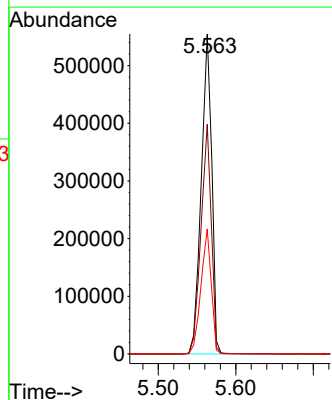
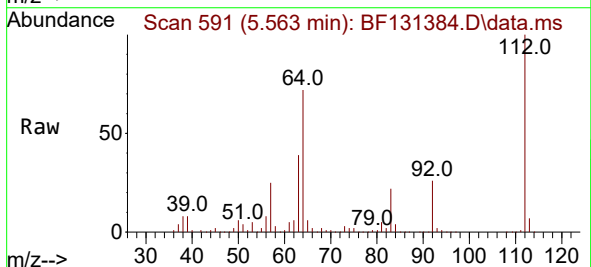
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

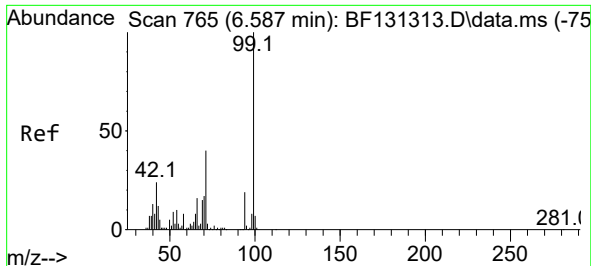
Tgt Ion:152 Resp: 97843
Ion Ratio Lower Upper
152 100
150 152.0 117.8 176.8
115 64.3 47.1 70.7



#5
2-Fluorophenol
Concen: 101.632 ng
RT: 5.563 min Scan# 591
Delta R.T. 0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion:112 Resp: 522481
Ion Ratio Lower Upper
112 100
64 71.7 58.6 88.0
63 39.0 31.4 47.0

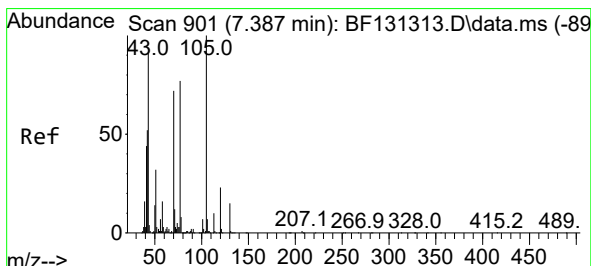
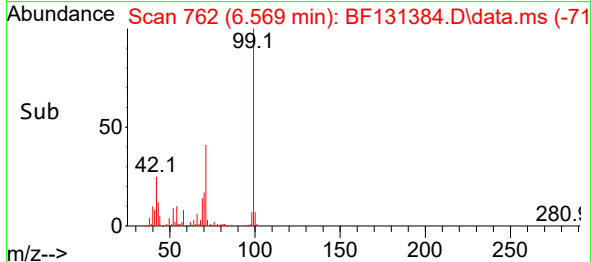
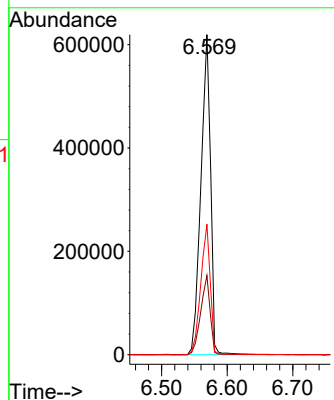
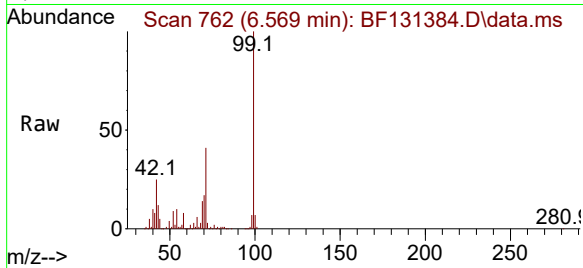




#7
Phenol-d6
Concen: 97.051 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

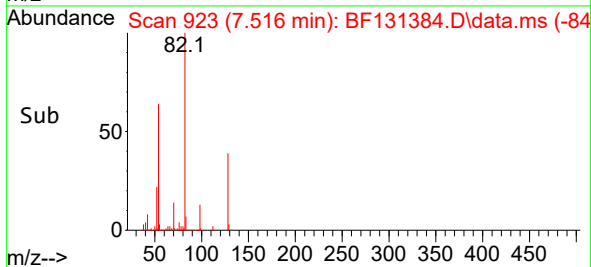
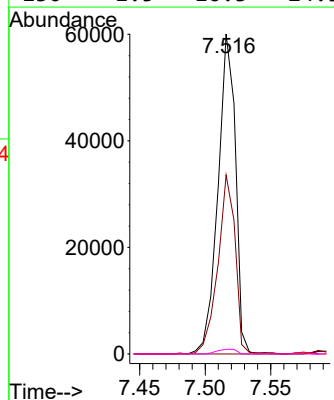
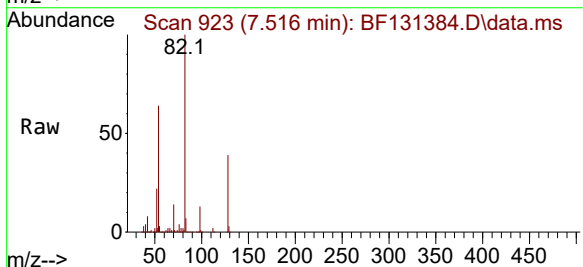
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

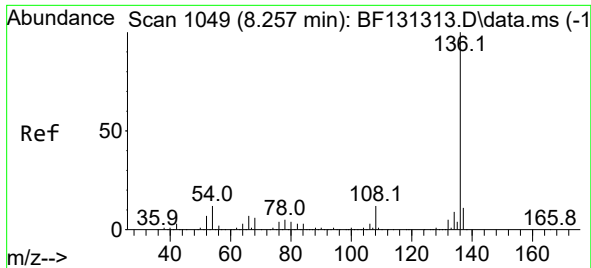
Tgt Ion: 99 Resp: 636583
Ion Ratio Lower Upper
99 100
42 24.7 19.4 29.2
71 40.7 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 11.570 ng
RT: 7.516 min Scan# 923
Delta R.T. 0.147 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion: 70 Resp: 55554
Ion Ratio Lower Upper
70 100
42 55.9 57.6 86.4#
101 0.0 8.2 12.2#
130 1.5 16.3 24.5#

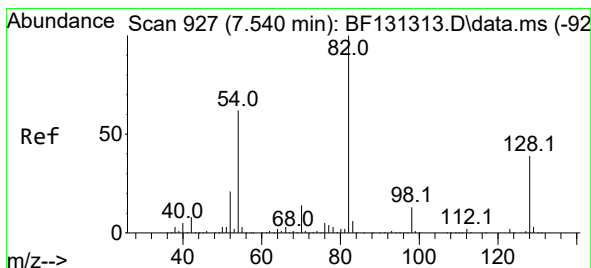
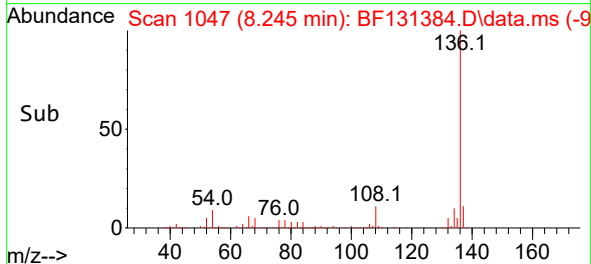
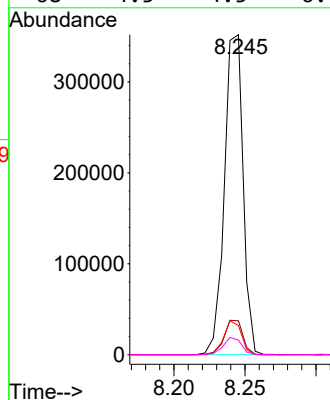
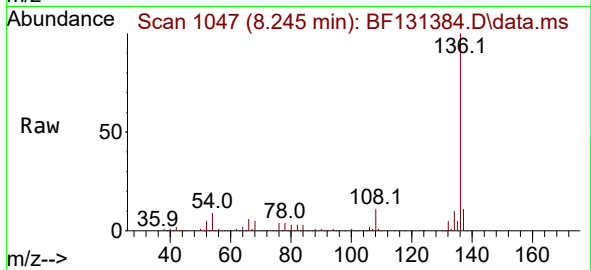




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1049
Delta R.T. -0.000 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

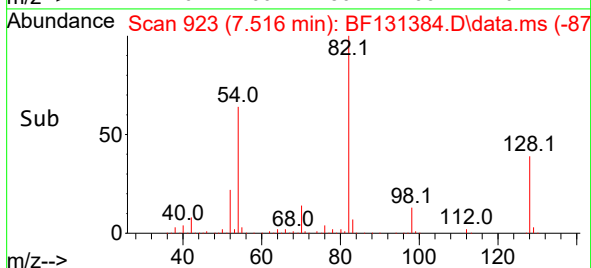
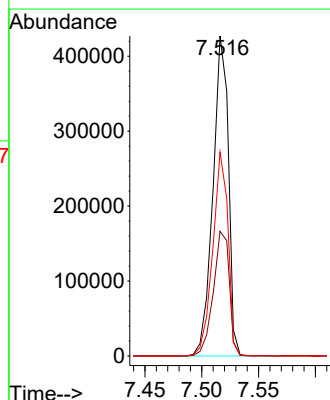
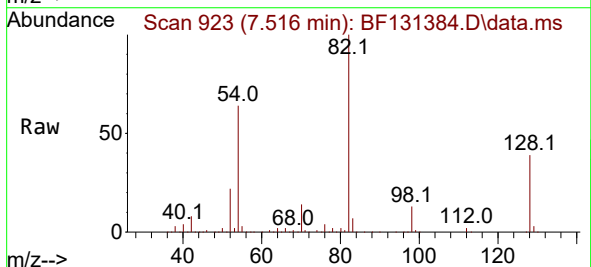
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

Tgt Ion:136 Resp: 321193
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.6
54 9.1 9.4 14.0#
68 4.5 4.5 6.7



#23
Nitrobenzene-d5
Concen: 63.329 ng
RT: 7.516 min Scan# 923
Delta R.T. -0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion: 82 Resp: 403521
Ion Ratio Lower Upper
82 100
128 38.9 31.4 47.0
54 63.7 49.8 74.6

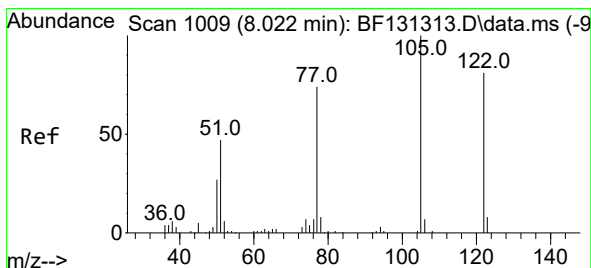
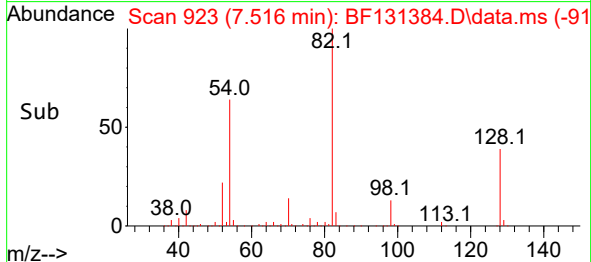
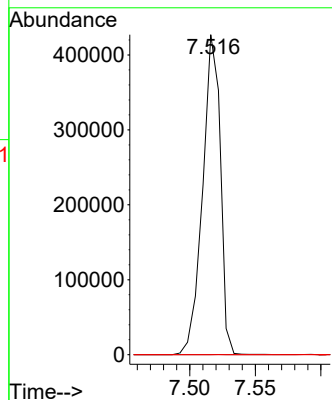
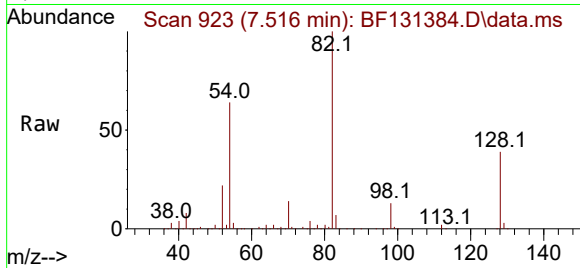




#25
Isophorone
Concen: 35.351 ng
RT: 7.516 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

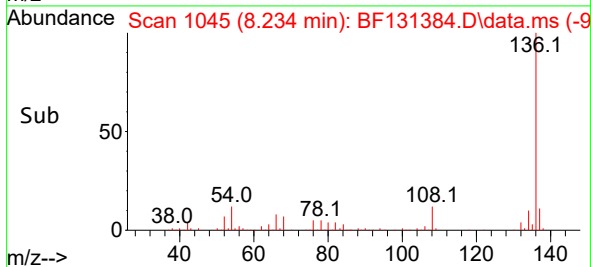
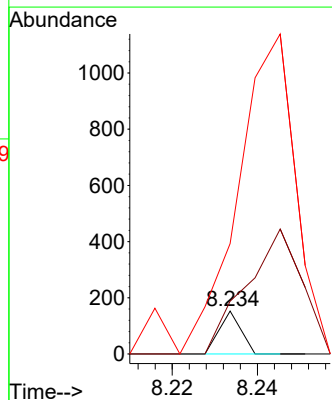
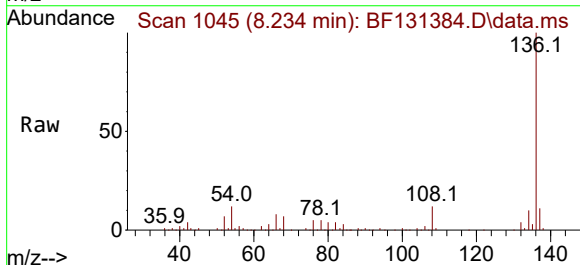
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

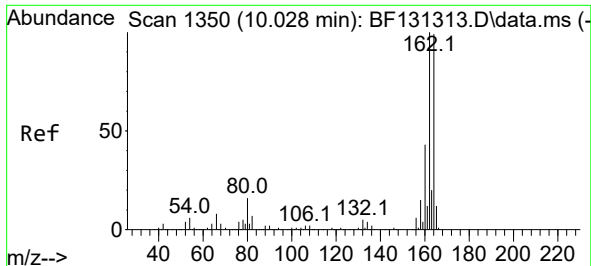
Tgt Ion: 82 Resp: 401862
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 5.150 ng
RT: 8.234 min Scan# 1045
Delta R.T. 0.235 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion: 122 Resp: 54
Ion Ratio Lower Upper
122 100
105 122.9 103.8 143.8
77 256.9 74.3 114.3#

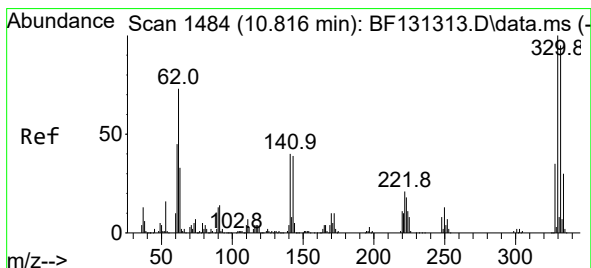
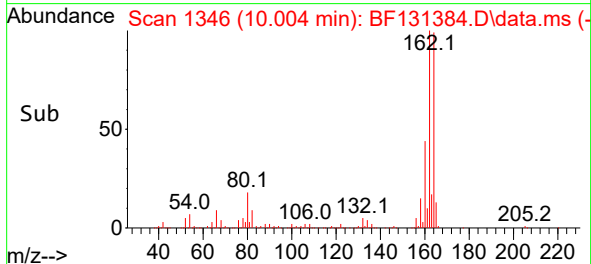
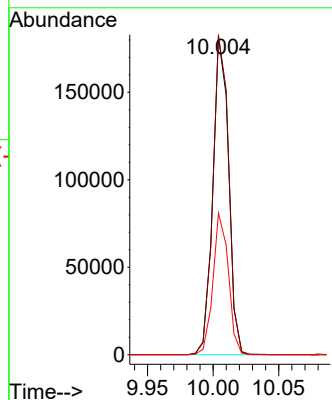
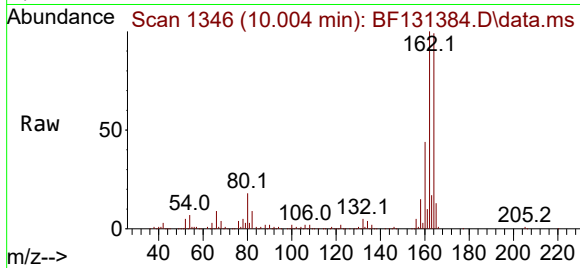




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

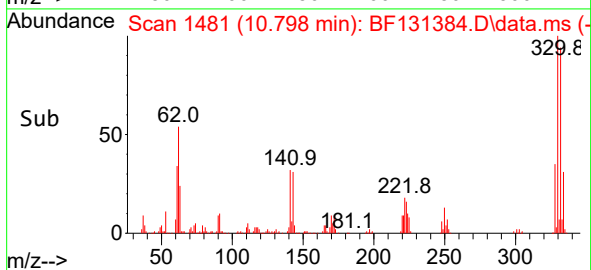
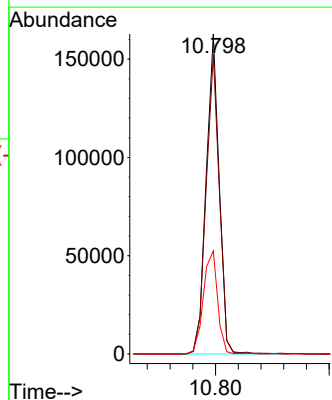
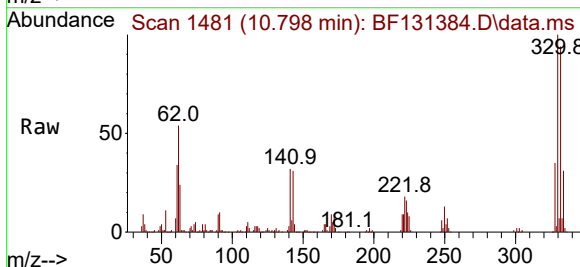
Instrument :
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ClientSampleId :
SOIL-PILE-10

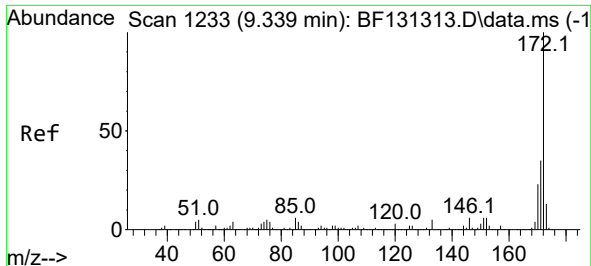
Tgt Ion:164 Resp: 151487
Ion Ratio Lower Upper
164 100
162 100.7 80.6 120.8
160 44.6 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 101.520 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion:330 Resp: 129384
Ion Ratio Lower Upper
330 100
332 94.9 77.5 116.3
141 35.3 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 64.916 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131384.D

Acq: 24 Nov 2022 03:32

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-10

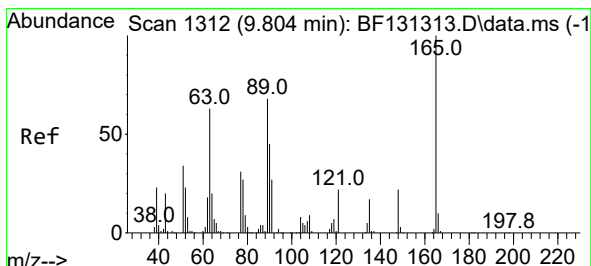
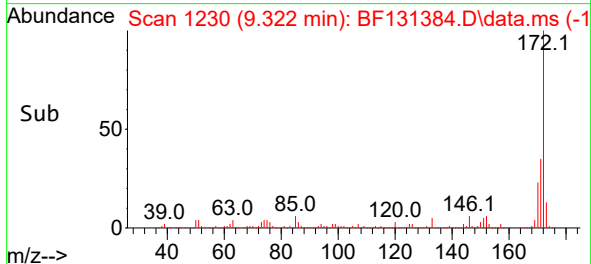
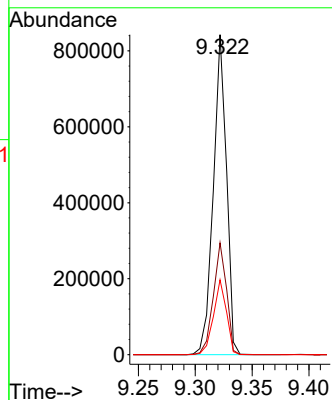
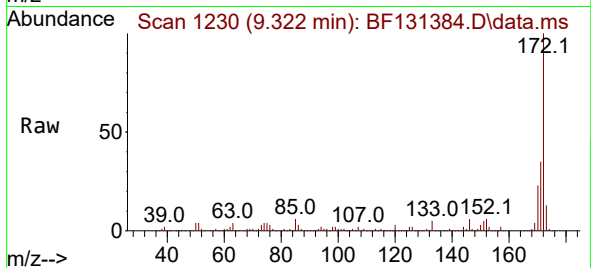
Tgt Ion:172 Resp: 675950

Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

170 23.4 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 9.162 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF131384.D

Acq: 24 Nov 2022 03:32

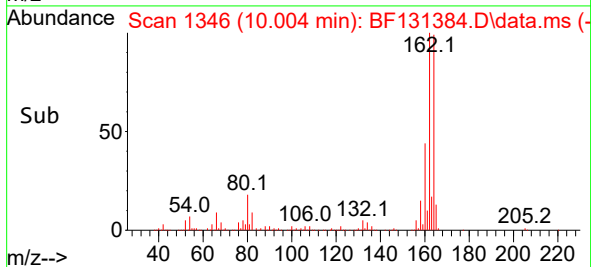
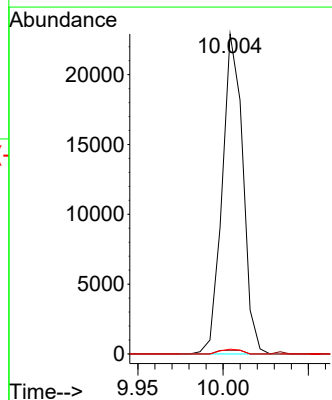
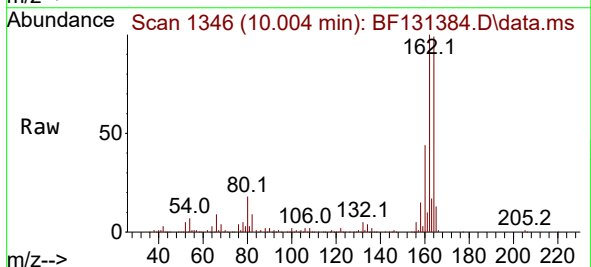
Tgt Ion:165 Resp: 19338

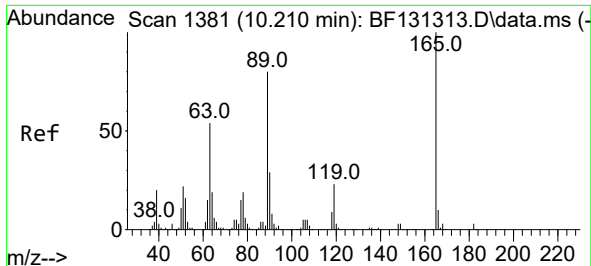
Ion Ratio Lower Upper

165 100

63 1.2 62.0 93.0#

89 1.5 54.4 81.6#

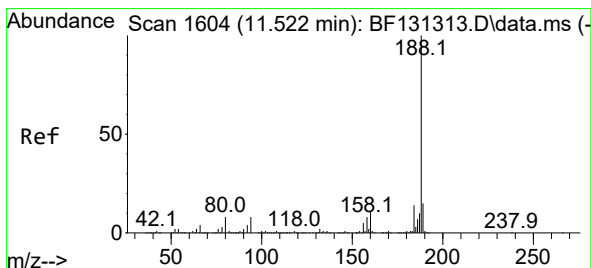
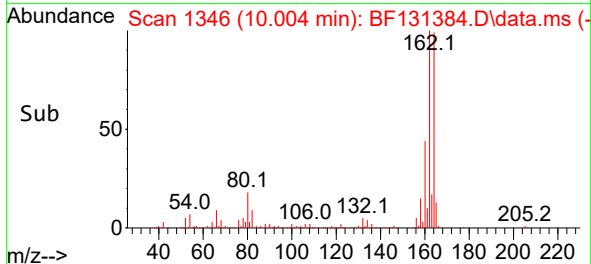
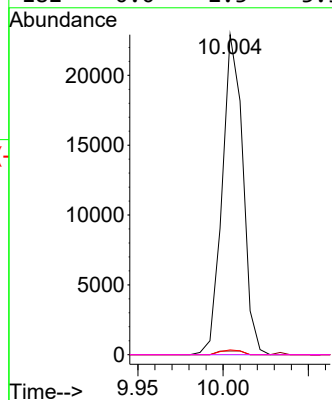
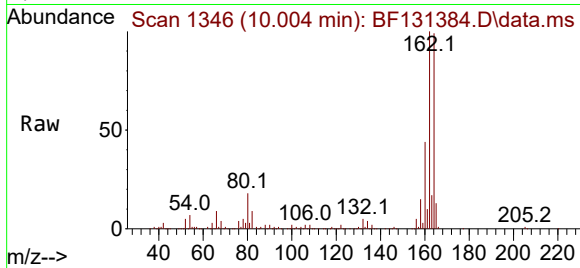




#57
2,4-Dinitrotoluene
Concen: 7.281 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

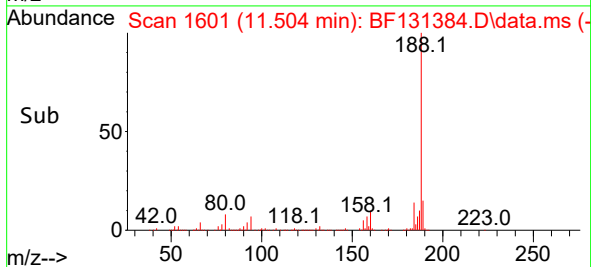
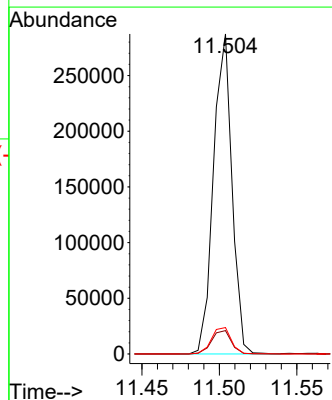
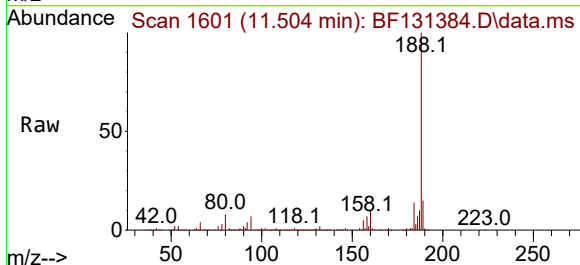
Instrument :
BNA_F
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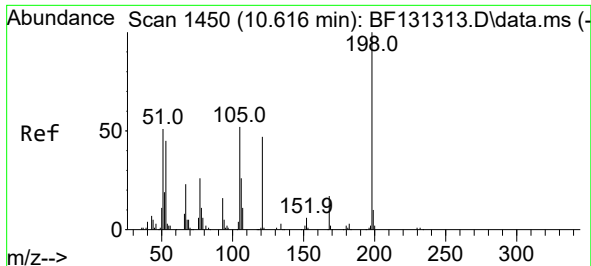
Tgt Ion:165 Resp: 19338
Ion Ratio Lower Upper
165 100
63 1.2 43.4 65.2#
89 1.5 64.0 96.0#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1601
Delta R.T. -0.000 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion:188 Resp: 238422
Ion Ratio Lower Upper
188 100
94 7.3 6.3 9.5
80 8.2 6.8 10.2

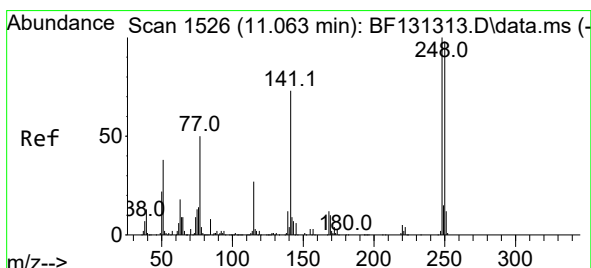
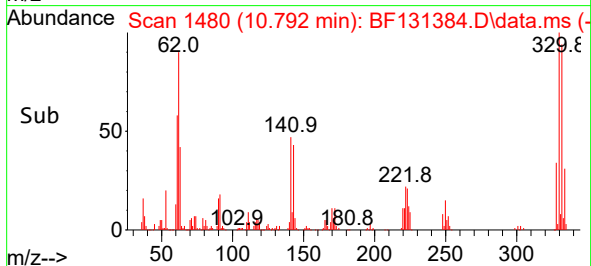
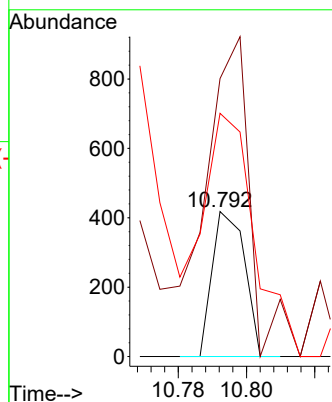
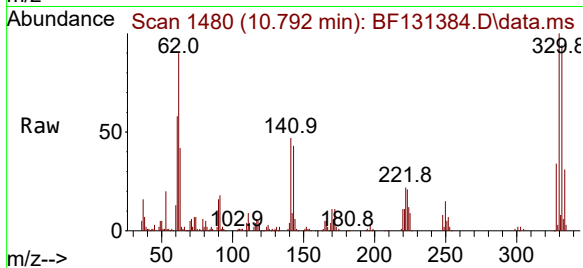




#65
4,6-Dinitro-2-methylphenol
Concen: 4.875 ng
RT: 10.792 min Scan# 1450
Delta R.T. 0.188 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

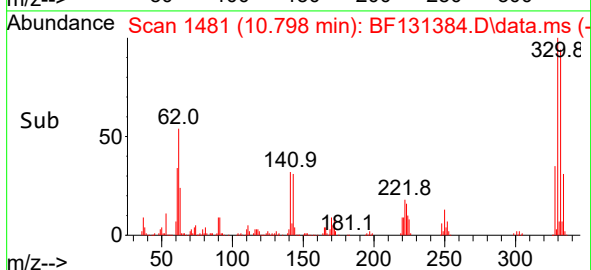
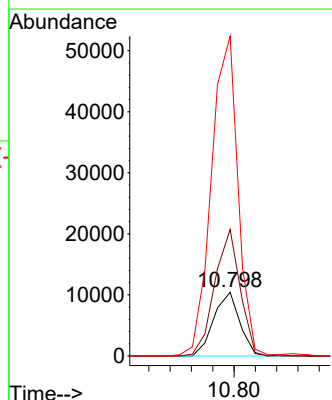
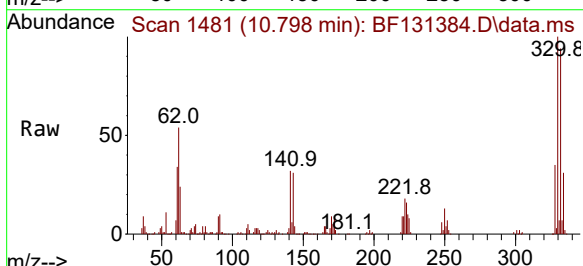
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

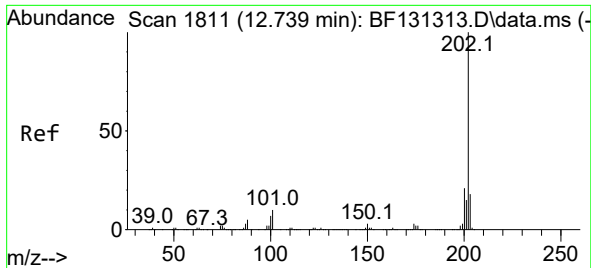
Tgt Ion:198 Resp: 275
Ion Ratio Lower Upper
198 100
51 191.6 50.1 90.1#
105 167.7 32.5 72.5#



#67
4-Bromophenyl-phenylether
Concen: 3.023 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.247 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion:248 Resp: 8833
Ion Ratio Lower Upper
248 100
250 198.9 78.3 117.5#
141 502.8 58.0 87.0#

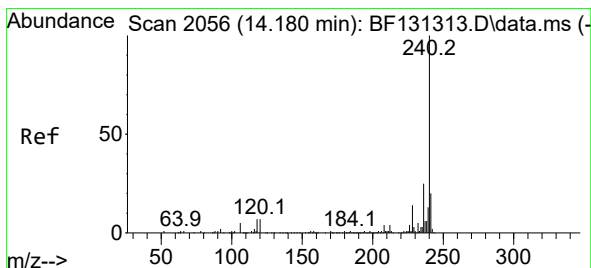
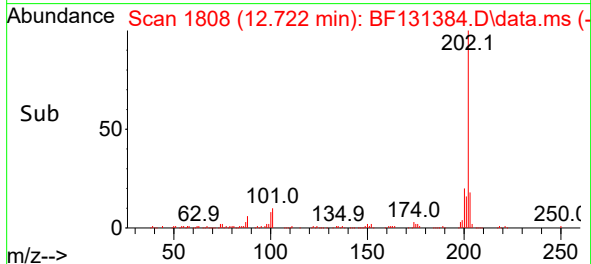
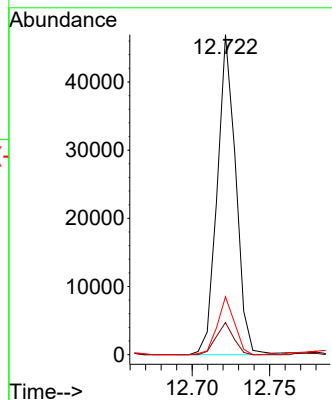
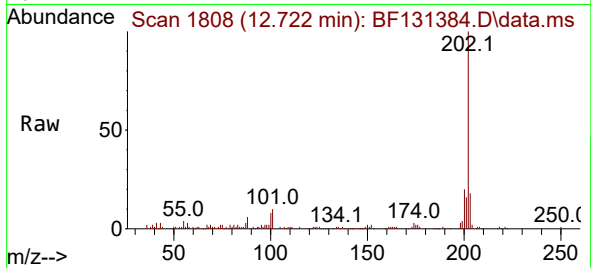




#75
Fluoranthene
Concen: 2.878 ng
RT: 12.722 min Scan# 1808
Delta R.T. -0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

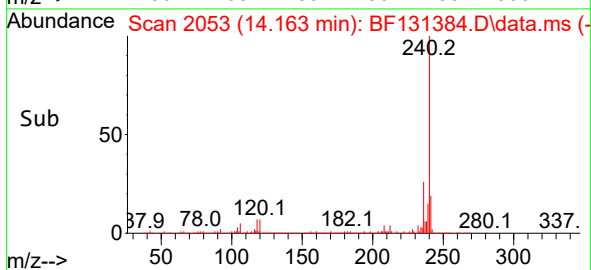
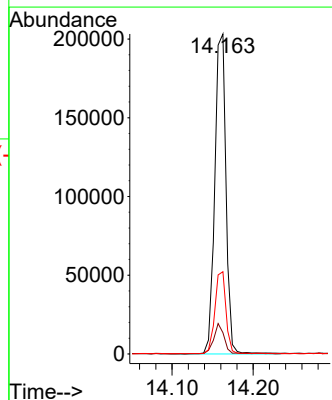
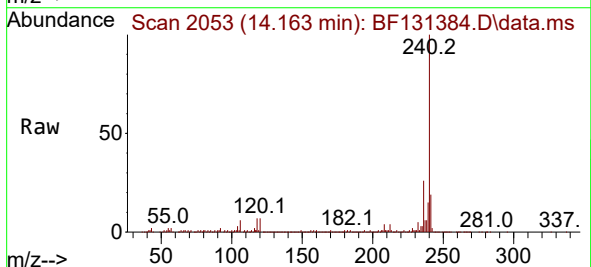
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

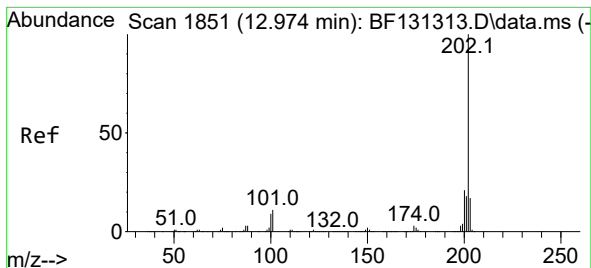
Tgt Ion:202 Resp: 39079
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.6
203 18.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.163 min Scan# 2053
Delta R.T. -0.000 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion:240 Resp: 194487
Ion Ratio Lower Upper
240 100
120 6.7 5.8 8.8
236 25.7 20.3 30.5





#78

Pyrene

Concen: 2.277 ng

RT: 12.722 min Scan# 1808

Delta R.T. -0.235 min

Lab File: BF131384.D

Acq: 24 Nov 2022 03:32

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-10

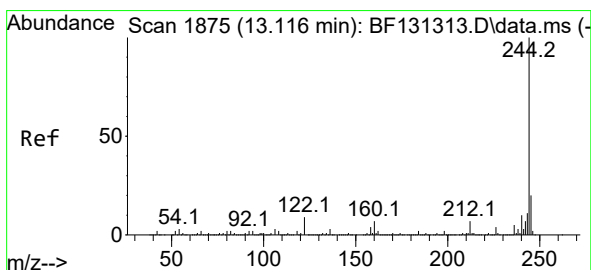
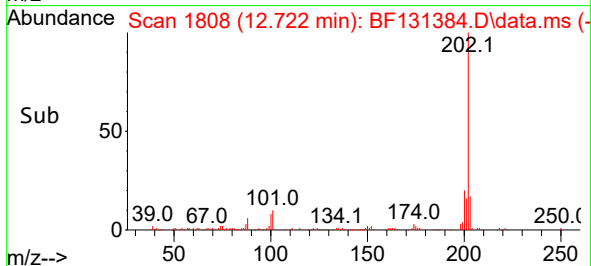
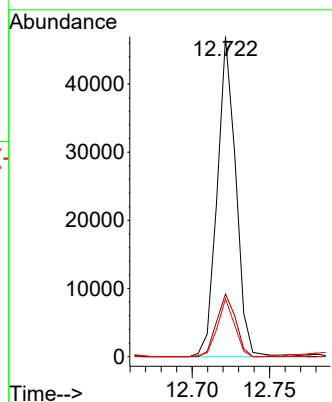
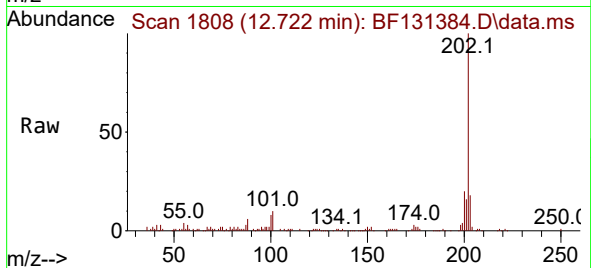
Tgt Ion:202 Resp: 39079

Ion Ratio Lower Upper

202 100

200 19.6 16.9 25.3

203 18.1 13.9 20.9



#79

Terphenyl-d14

Concen: 52.028 ng

RT: 13.098 min Scan# 1872

Delta R.T. -0.000 min

Lab File: BF131384.D

Acq: 24 Nov 2022 03:32

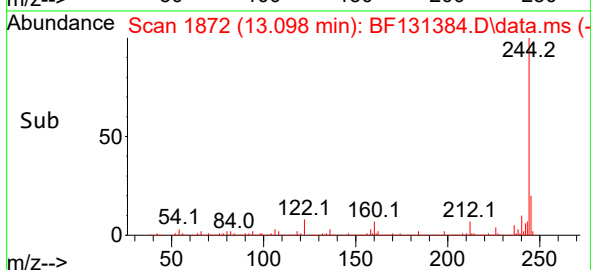
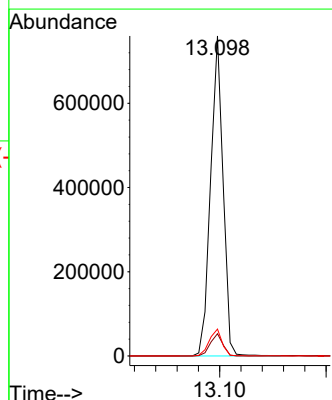
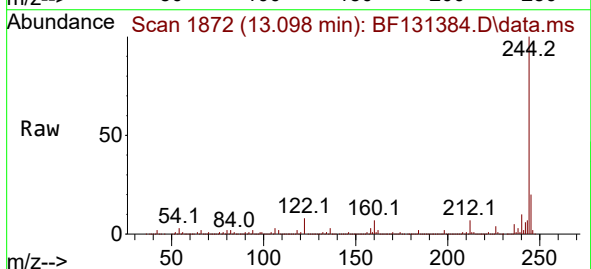
Tgt Ion:244 Resp: 618790

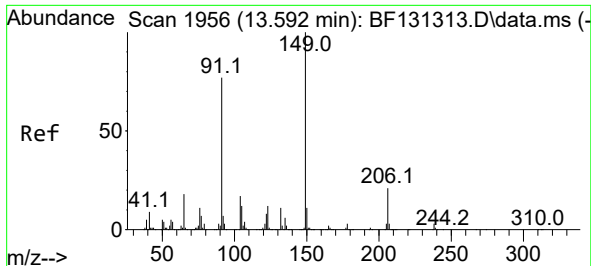
Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 8.4 7.5 11.3





#80

Butylbenzylphthalate

Concen: 15.499 ng

RT: 13.574 min Scan# 1953

Delta R.T. -0.000 min

Lab File: BF131384.D

Acq: 24 Nov 2022 03:32

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-10

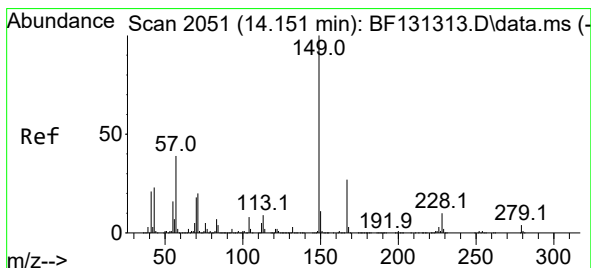
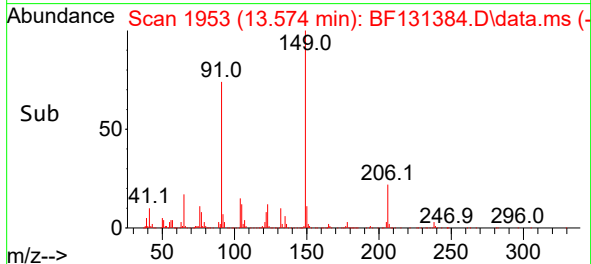
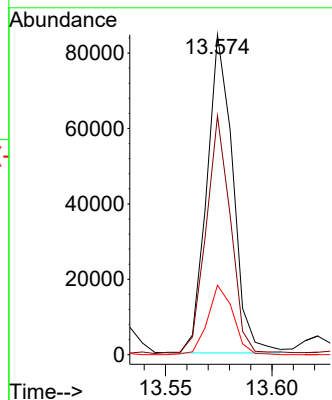
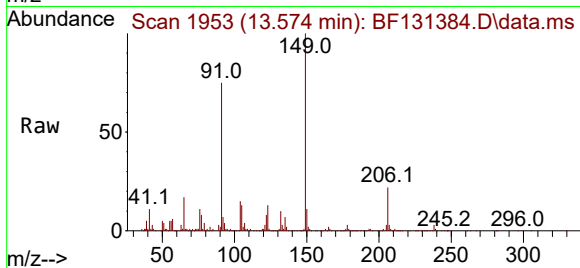
Tgt Ion:149 Resp: 71747

Ion Ratio Lower Upper

149 100

91 74.6 61.9 92.9

206 21.7 16.5 24.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.397 ng

RT: 14.133 min Scan# 2048

Delta R.T. -0.000 min

Lab File: BF131384.D

Acq: 24 Nov 2022 03:32

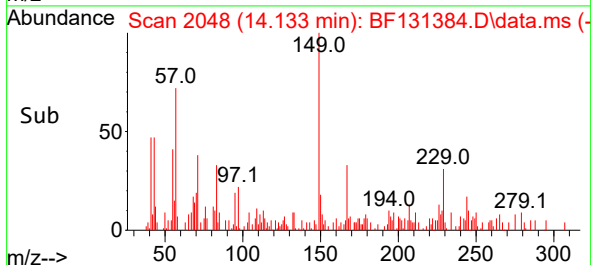
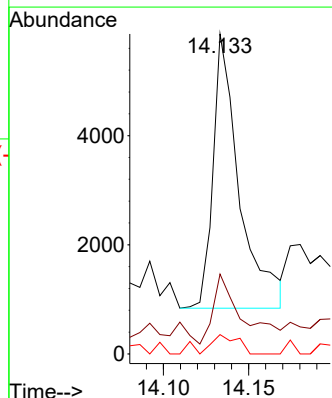
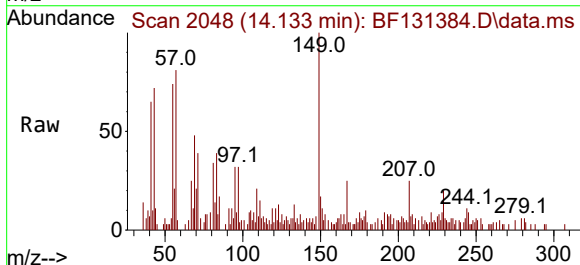
Tgt Ion:149 Resp: 5383

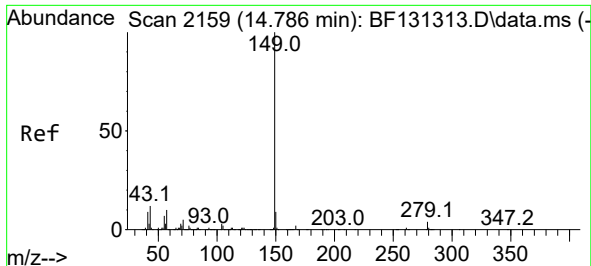
Ion Ratio Lower Upper

149 100

167 24.9 21.9 32.9

279 6.0 3.0 4.4#

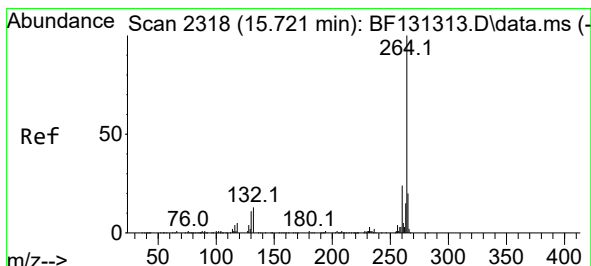
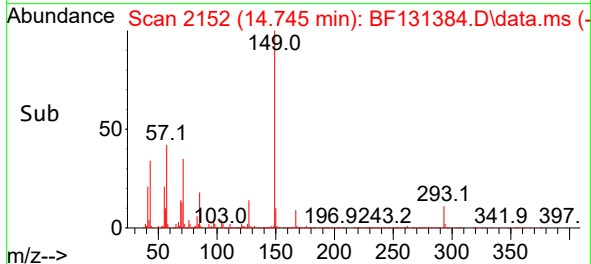
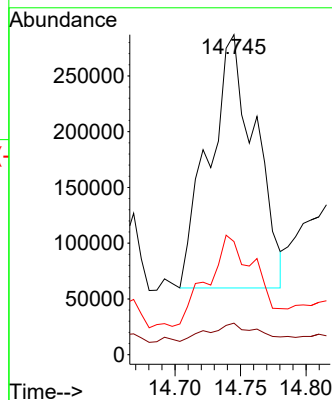
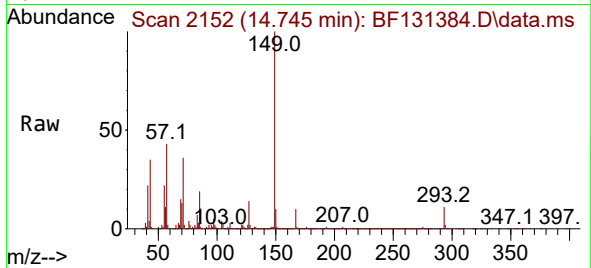




#85
Di-n-octyl phthalate
Concen: 50.349 ng
RT: 14.745 min Scan# 2152
Delta R.T. -0.018 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

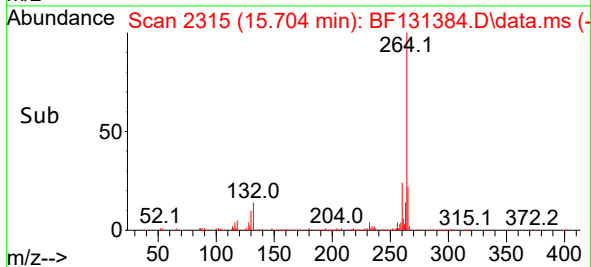
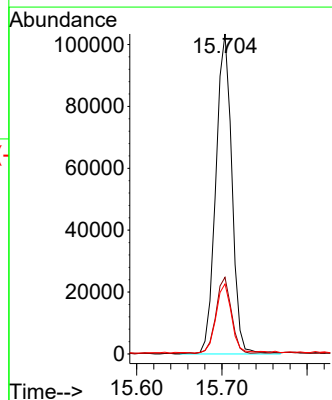
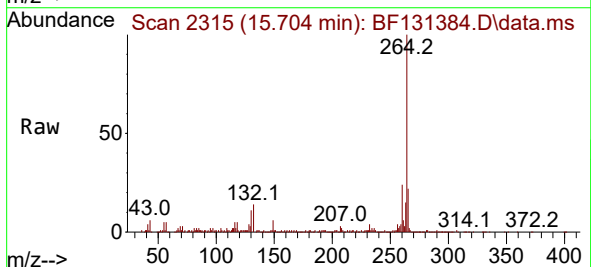
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

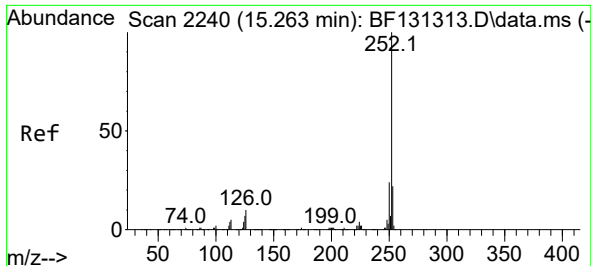
Tgt Ion:149 Resp: 556630
Ion Ratio Lower Upper
149 100
167 7.9 1.2 1.8#
43 38.2 10.7 16.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.704 min Scan# 2315
Delta R.T. 0.012 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion:264 Resp: 135606
Ion Ratio Lower Upper
264 100
260 24.0 19.0 28.4
265 21.9 16.4 24.6

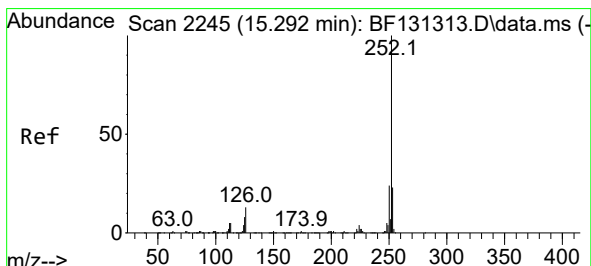
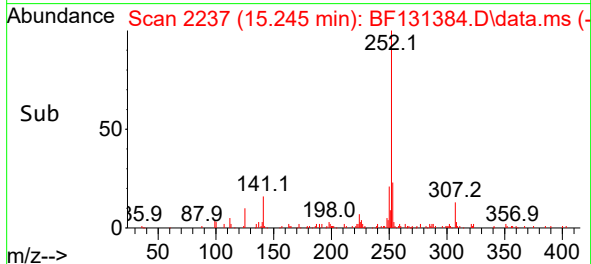
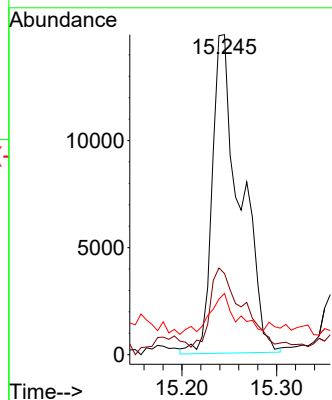
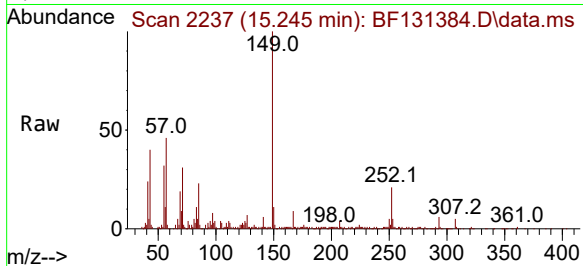




#88
Benzo(b)fluoranthene
Concen: 3.393 ng
RT: 15.245 min Scan# 2240
Delta R.T. 0.006 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-10

Tgt Ion:252 Resp: 30567
Ion Ratio Lower Upper
252 100
253 25.4 17.5 26.3
125 19.1 5.8 8.6#



#89
Benzo(k)fluoranthene
Concen: 3.302 ng
RT: 15.245 min Scan# 2237
Delta R.T. -0.024 min
Lab File: BF131384.D
Acq: 24 Nov 2022 03:32

Tgt Ion:252 Resp: 30567
Ion Ratio Lower Upper
252 100
253 25.4 17.9 26.9
125 19.1 6.6 10.0#

