

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131383.D
 Acq On : 24 Nov 2022 03:00
 Operator : CG\JU
 Sample : N5642-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-21

Quant Time: Nov 24 06:00:25 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)

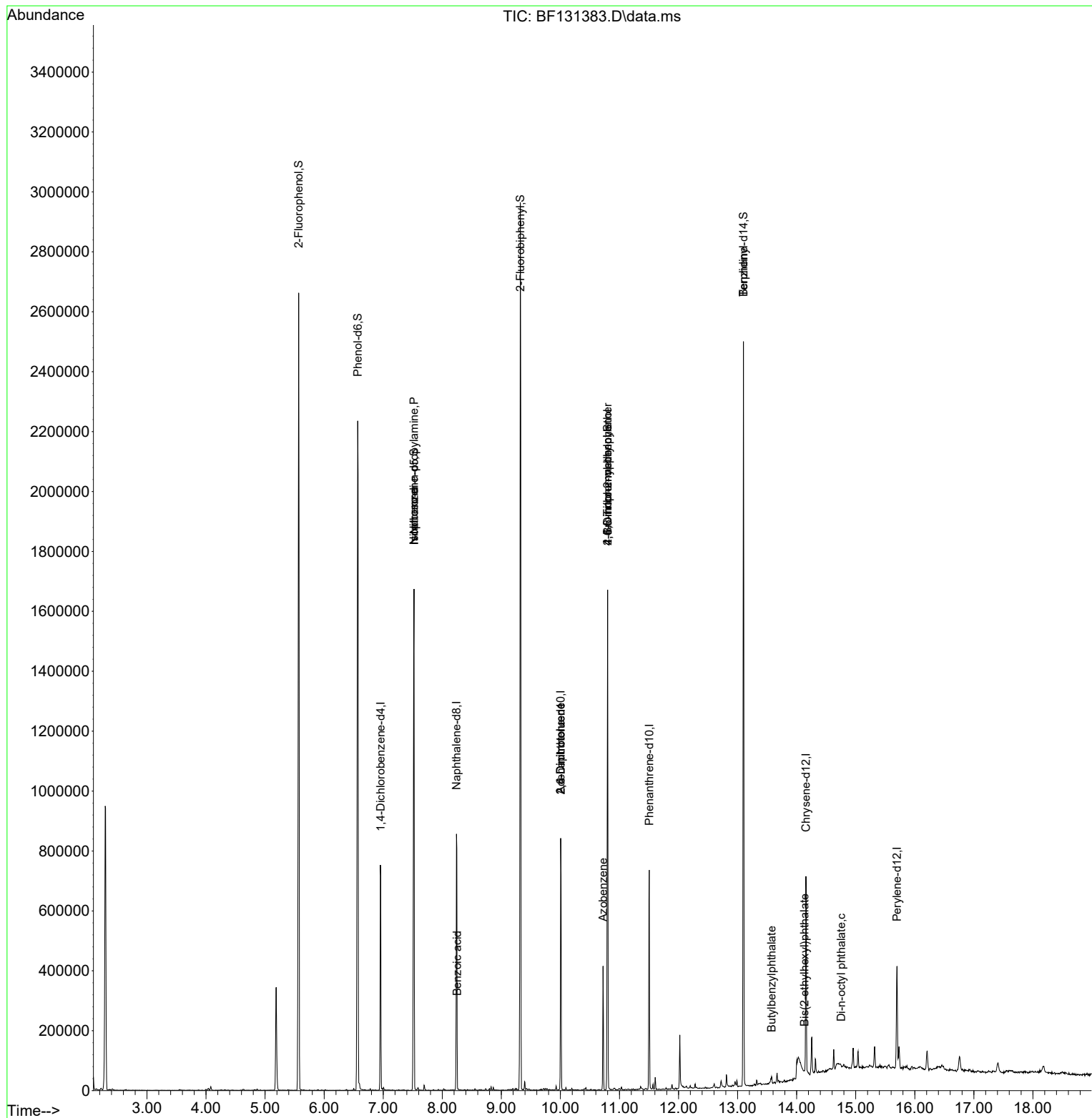
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	110512	20.000	ng	0.00
21) Naphthalene-d8	8.240	136	365767	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	167382	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	266857	20.000	ng	0.00
76) Chrysene-d12	14.157	240	226623	20.000	ng	# 0.00
86) Perylene-d12	15.698	264	164101	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	687478	118.396	ng	0.01
7) Phenol-d6	6.569	99	837836	113.090	ng	0.00
23) Nitrobenzene-d5	7.522	82	534829	73.708	ng	0.00
42) 2,4,6-Tribromophenol	10.798	330	167398	118.874	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	897025	77.966	ng	0.00
79) Terphenyl-d14	13.098	244	852195	61.493	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.510	77	178	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	7.522	70	74865	13.804	ng	# 75
25) Isophorone	7.522	82	534823	41.314	ng	# 68
32) Benzoic acid	8.251	122	61	5.149	ng	# 27
51) 2,6-Dinitrotoluene	10.004	165	21930	9.403	ng	# 15
57) 2,4-Dinitrotoluene	10.004	165	21930	7.473	ng	# 19
63) Azobenzene	10.722	77	62436	5.273	ng	# 1
65) 4,6-Dinitro-2-methylph...	10.798	198	457	5.021	ng	# 1
67) 4-Bromophenyl-phenylether	10.798	248	10919	3.338	ng	# 1
77) Benzidine	13.098	184	11299	2.699	ng	# 89
80) Butylbenzylphthalate	13.574	149	3478	4.616	ng	95
84) Bis(2-ethylhexyl)phtha...	14.133	149	2154	3.971	ng	# 94
85) Di-n-octyl phthalate	14.757	149	996	3.991	ng	# 70

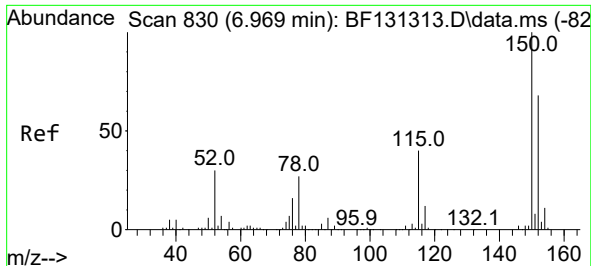
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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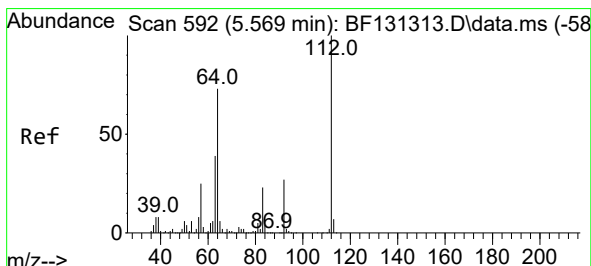
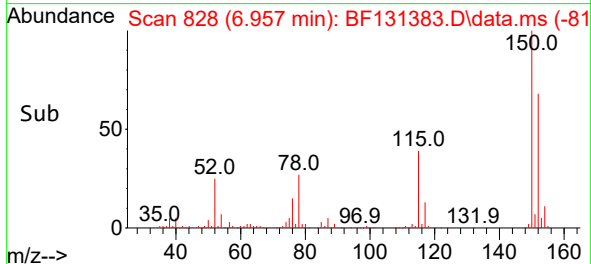
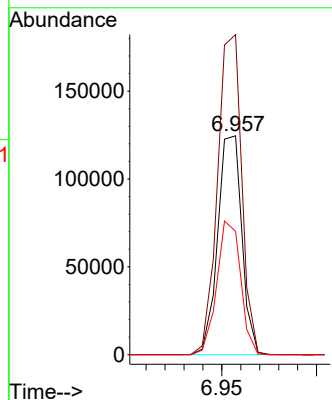
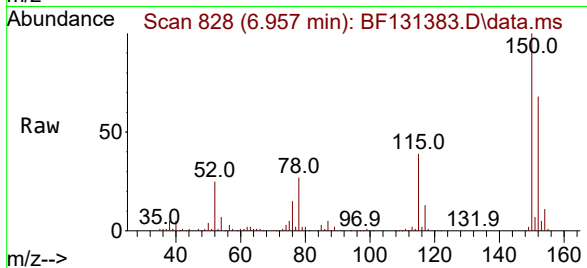




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

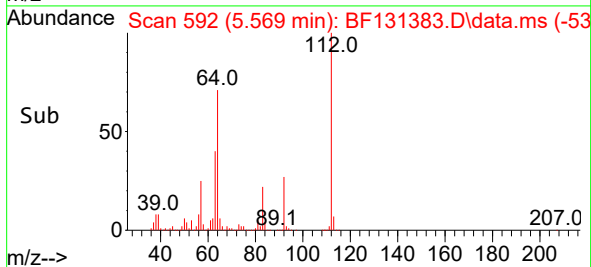
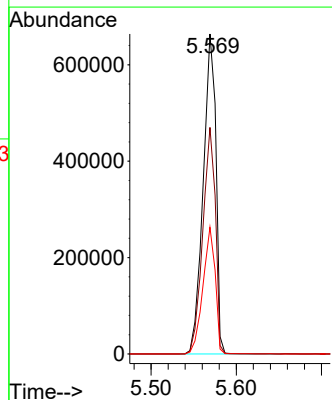
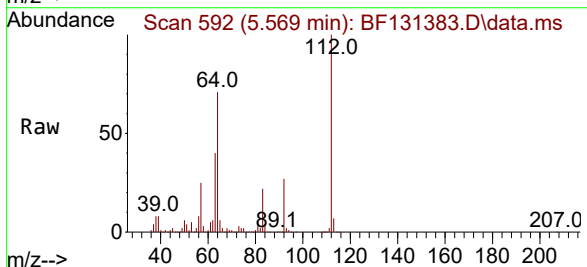
Instrument :
BNA_F
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SOIL-PILE-21

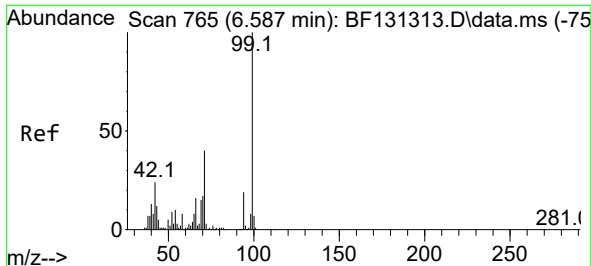
Tgt Ion:152 Resp: 110512
Ion Ratio Lower Upper
152 100
150 146.2 117.8 176.8
115 56.3 47.1 70.7



#5
2-Fluorophenol
Concen: 118.396 ng
RT: 5.569 min Scan# 592
Delta R.T. 0.012 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

Tgt Ion:112 Resp: 687478
Ion Ratio Lower Upper
112 100
64 70.8 58.6 88.0
63 39.6 31.4 47.0

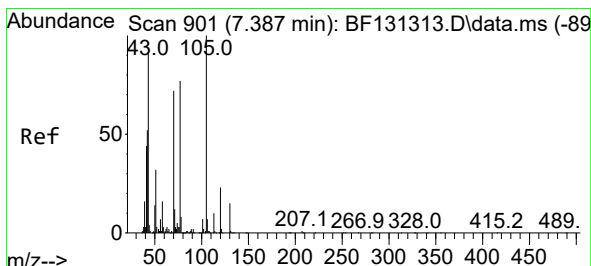
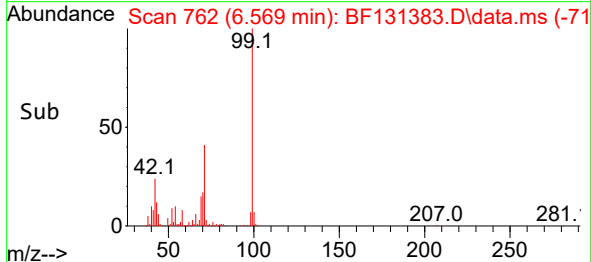
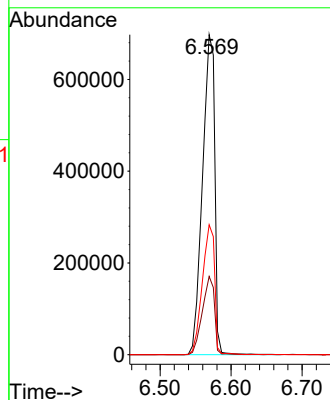
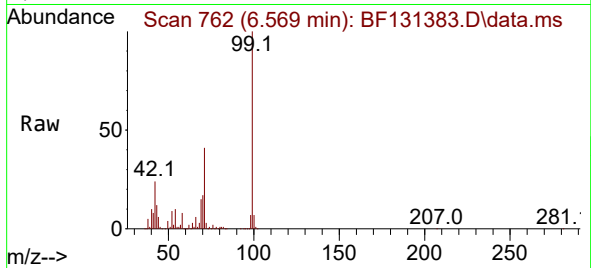




#7
Phenol-d6
Concen: 113.090 ng
RT: 6.569 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

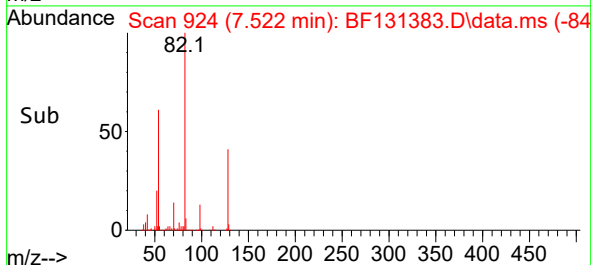
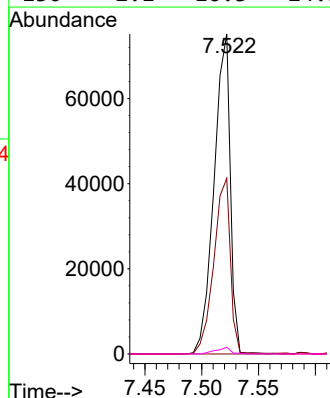
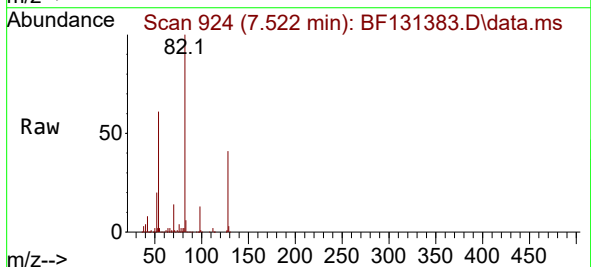
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-21

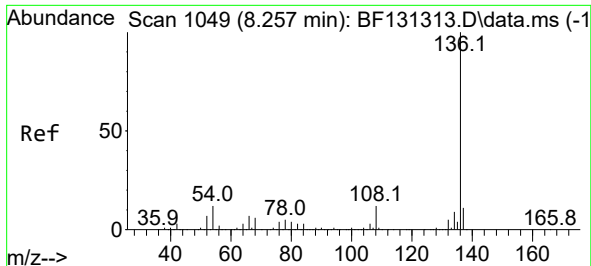
Tgt Ion: 99 Resp: 837836
Ion Ratio Lower Upper
99 100
42 24.4 19.4 29.2
71 40.6 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.804 ng
RT: 7.522 min Scan# 924
Delta R.T. 0.153 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

Tgt Ion: 70 Resp: 74865
Ion Ratio Lower Upper
70 100
42 54.9 57.6 86.4#
101 0.0 8.2 12.2#
130 2.1 16.3 24.5#

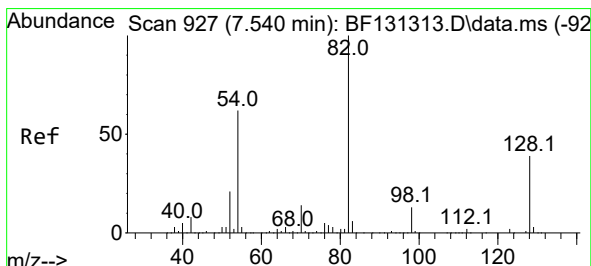
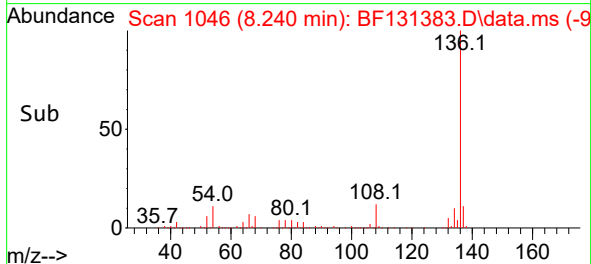
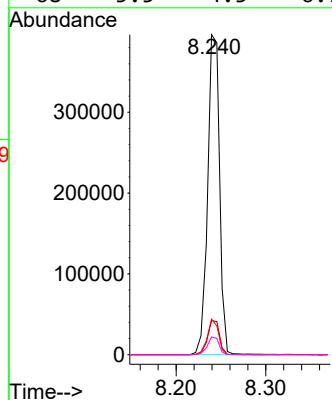
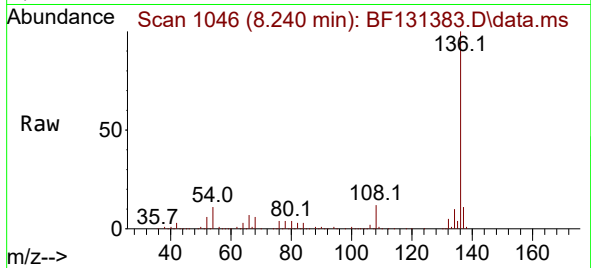




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.240 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

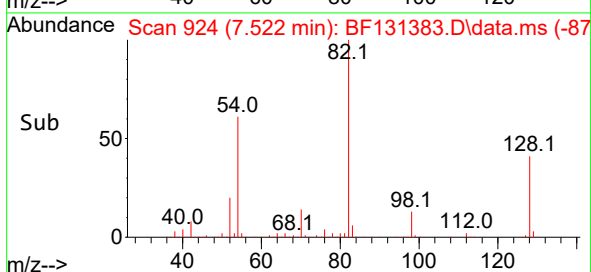
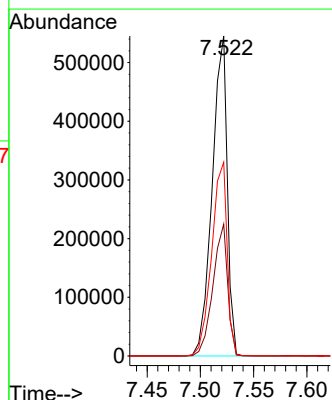
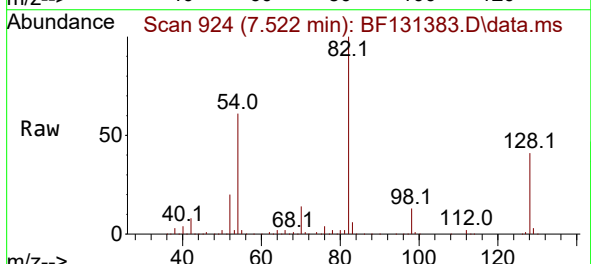
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-21

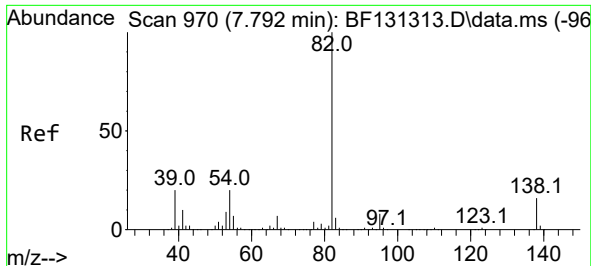
Tgt Ion:136 Resp: 365767
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.6
54 11.2 9.4 14.0
68 5.5 4.5 6.7



#23
Nitrobenzene-d5
Concen: 73.708 ng
RT: 7.522 min Scan# 924
Delta R.T. 0.000 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

Tgt Ion: 82 Resp: 534829
Ion Ratio Lower Upper
82 100
128 41.2 31.4 47.0
54 60.5 49.8 74.6

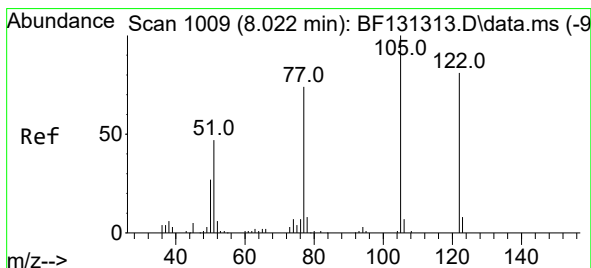
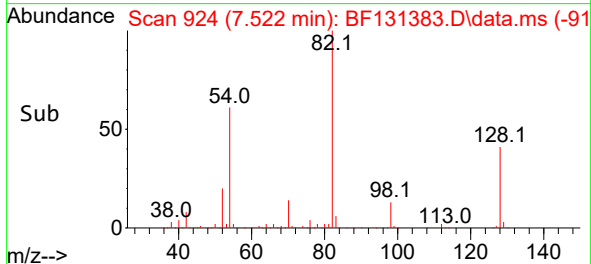
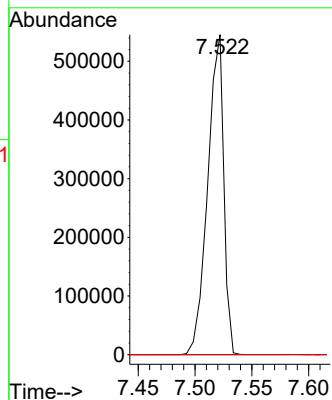
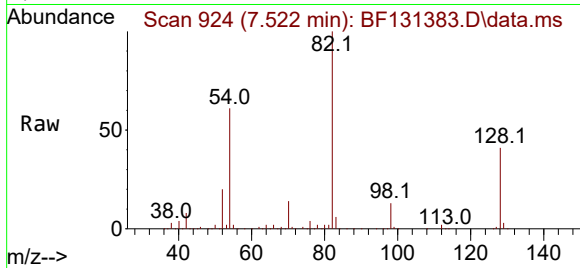




#25
Isophorone
Concen: 41.314 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

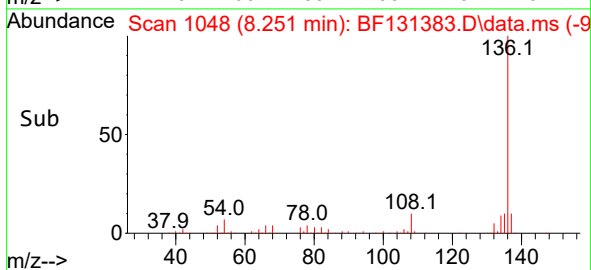
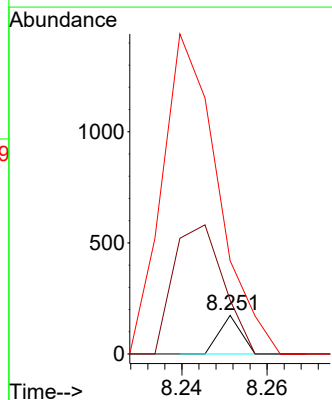
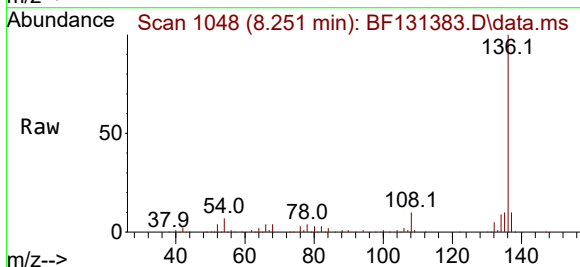
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-21

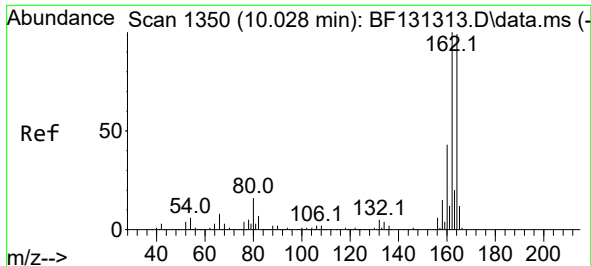
Tgt Ion: 82 Resp: 534823
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 5.149 ng
RT: 8.251 min Scan# 1048
Delta R.T. 0.253 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

Tgt Ion: 122 Resp: 61
Ion Ratio Lower Upper
122 100
105 139.1 103.8 143.8
77 241.4 74.3 114.3#

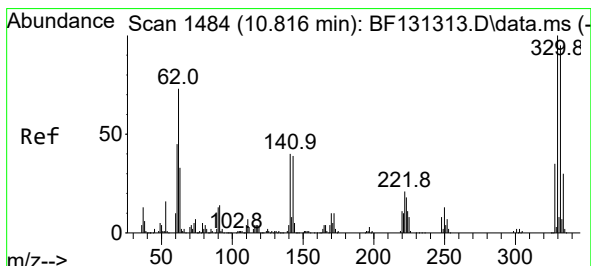
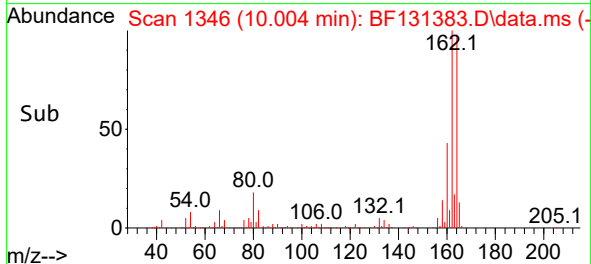
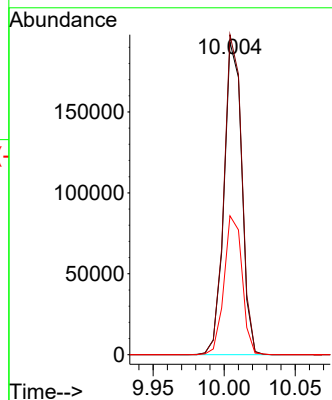
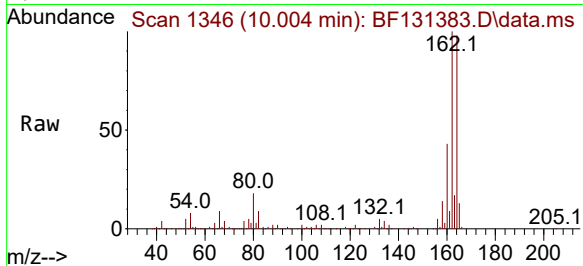




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

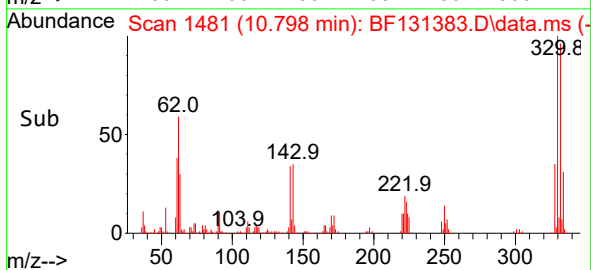
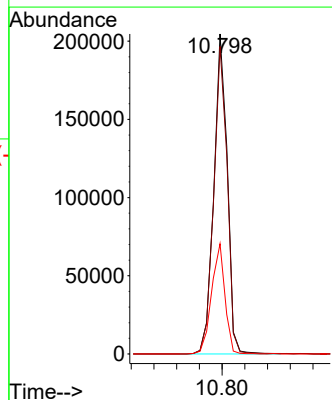
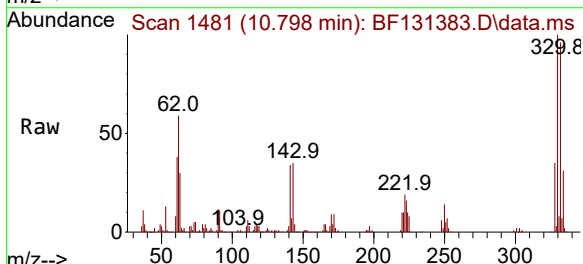
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ClientSampleId :
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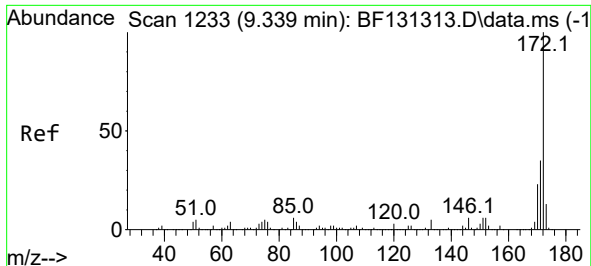
Tgt Ion:164 Resp: 167382
Ion Ratio Lower Upper
164 100
162 102.4 80.6 120.8
160 44.4 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 118.874 ng
RT: 10.798 min Scan# 1481
Delta R.T. -0.006 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

Tgt Ion:330 Resp: 167398
Ion Ratio Lower Upper
330 100
332 96.7 77.5 116.3
141 34.4 29.3 43.9





#45

2-Fluorobiphenyl

Concen: 77.966 ng

RT: 9.322 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF131383.D

Acq: 24 Nov 2022 03:00

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-21

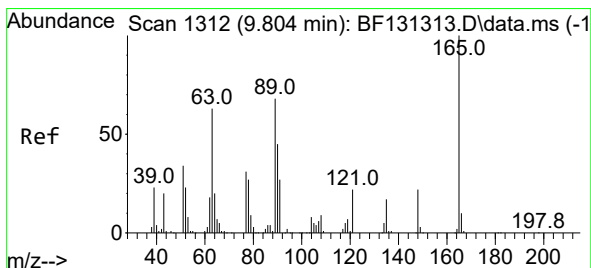
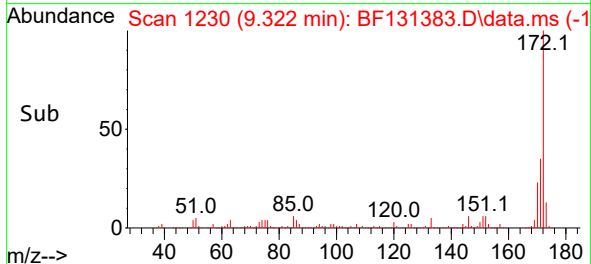
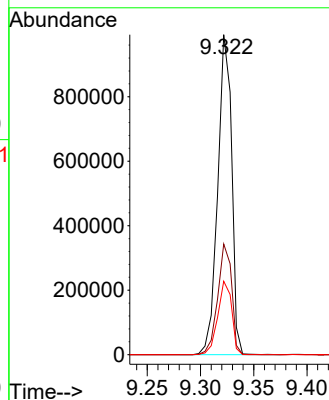
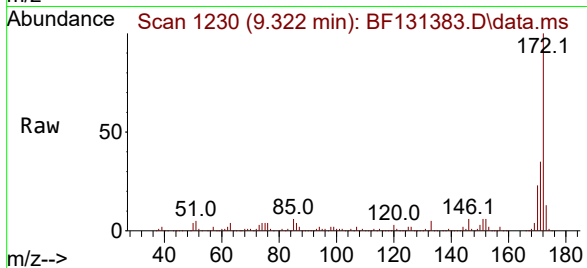
Tgt Ion:172 Resp: 897025

Ion Ratio Lower Upper

172 100

171 34.6 28.2 42.2

170 22.9 18.7 28.1



#51

2,6-Dinitrotoluene

Concen: 9.403 ng

RT: 10.004 min Scan# 1346

Delta R.T. 0.212 min

Lab File: BF131383.D

Acq: 24 Nov 2022 03:00

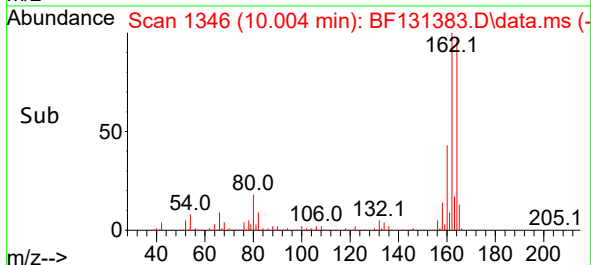
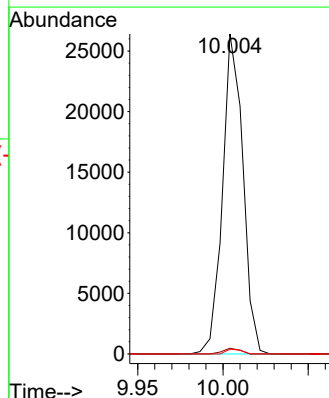
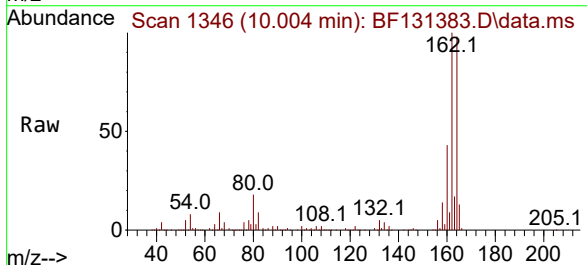
Tgt Ion:165 Resp: 21930

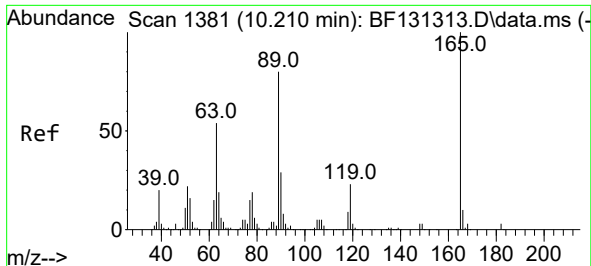
Ion Ratio Lower Upper

165 100

63 1.8 62.0 93.0#

89 1.5 54.4 81.6#

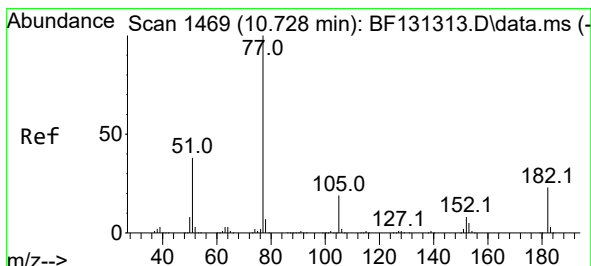
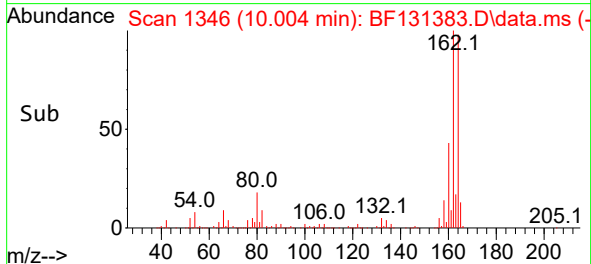
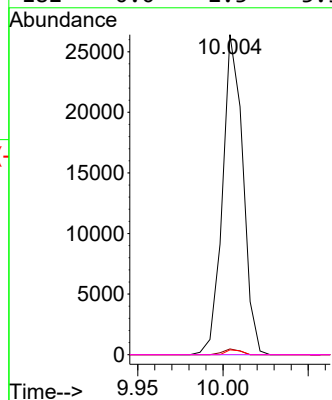
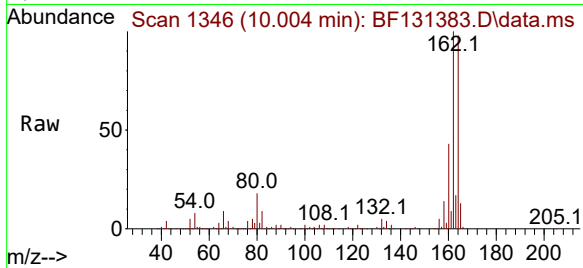




#57
2,4-Dinitrotoluene
Concen: 7.473 ng
RT: 10.004 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

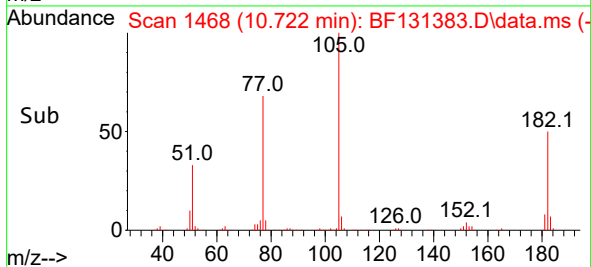
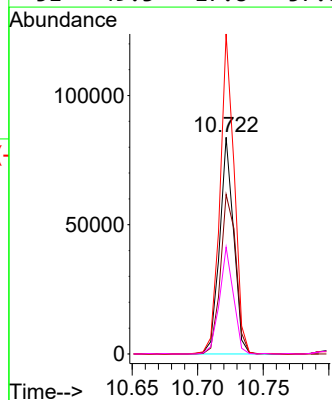
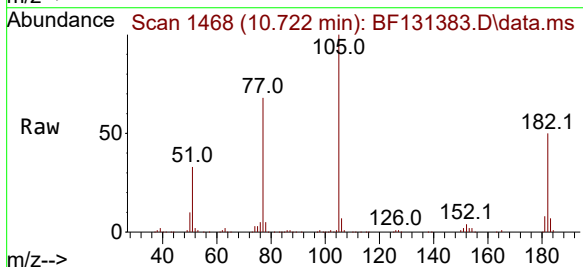
Instrument :
BNA_F
ClientSampleId :
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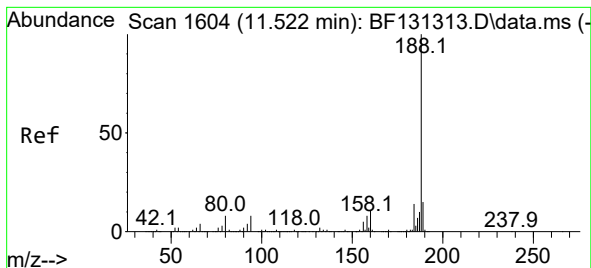
Tgt Ion:165 Resp: 21930
Ion Ratio Lower Upper
165 100
63 1.8 43.4 65.2#
89 1.5 64.0 96.0#
182 0.0 2.3 3.5#



#63
Azobenzene
Concen: 5.273 ng
RT: 10.722 min Scan# 1468
Delta R.T. 0.006 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

Tgt Ion: 77 Resp: 62436
Ion Ratio Lower Upper
77 100
182 73.6 3.1 43.1#
105 147.7 0.0 39.2#
51 49.3 17.8 57.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.504 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF131383.D

Acq: 24 Nov 2022 03:00

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-21

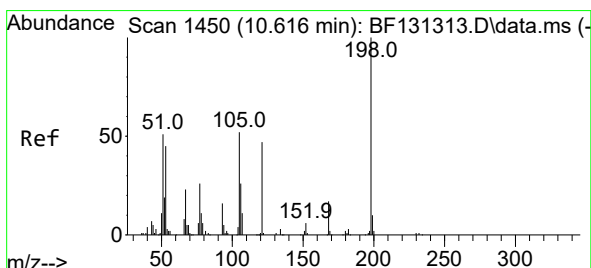
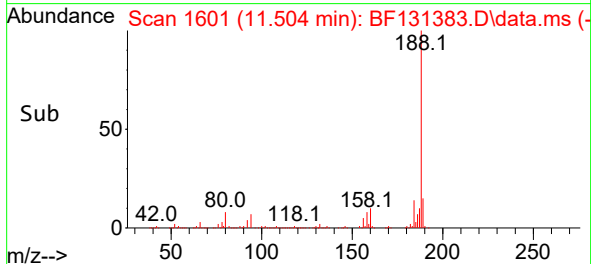
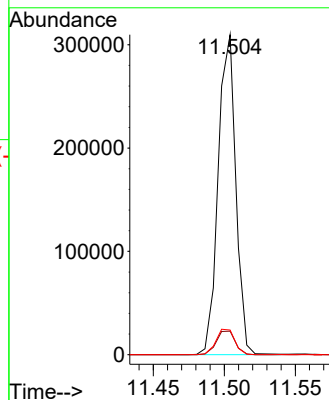
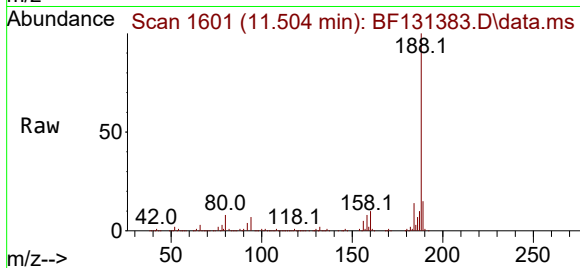
Tgt Ion:188 Resp: 266857

Ion Ratio Lower Upper

188 100

94 7.4 6.3 9.5

80 7.7 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 5.021 ng

RT: 10.798 min Scan# 1481

Delta R.T. 0.194 min

Lab File: BF131383.D

Acq: 24 Nov 2022 03:00

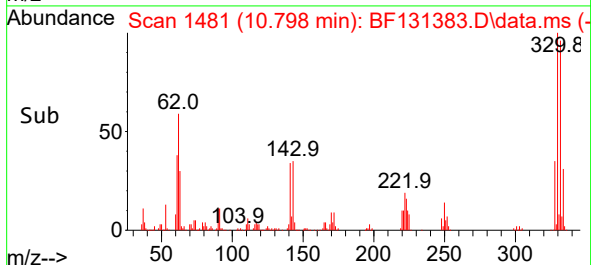
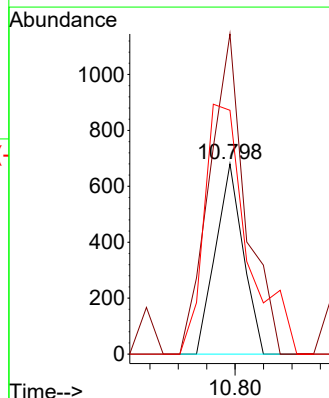
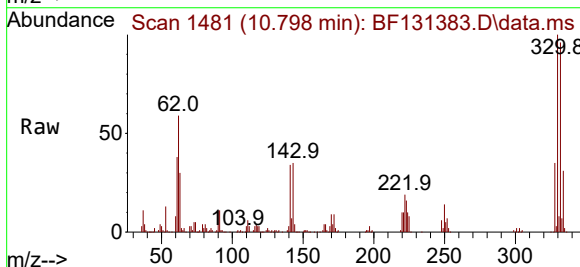
Tgt Ion:198 Resp: 457

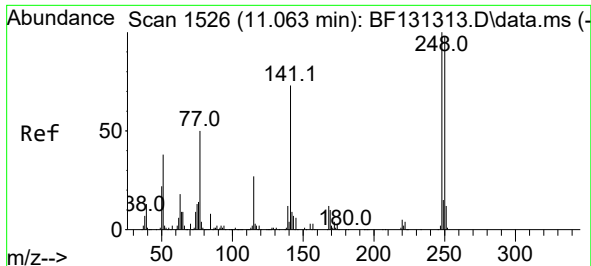
Ion Ratio Lower Upper

198 100

51 168.4 50.1 90.1#

105 128.2 32.5 72.5#

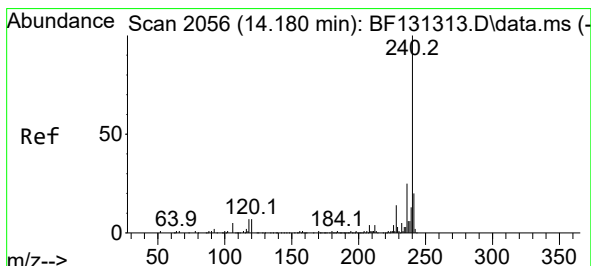
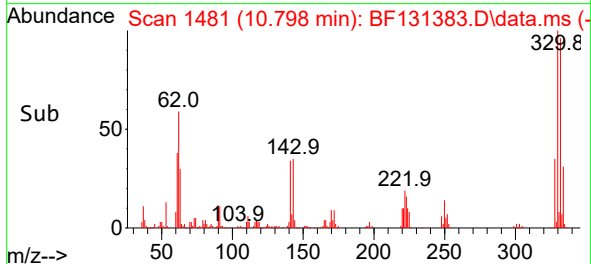
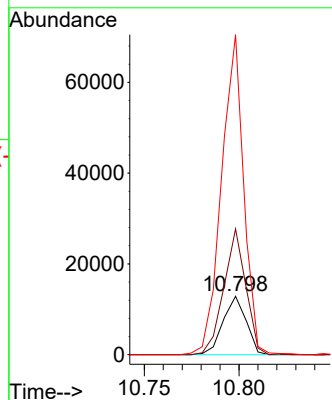
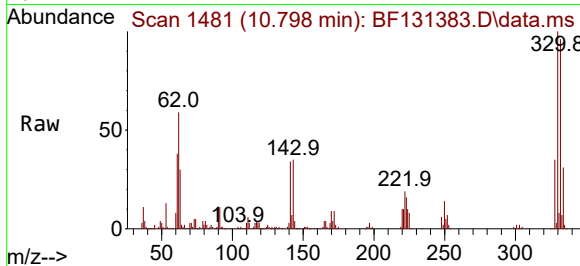




#67
4-Bromophenyl-phenylether
Concen: 3.338 ng
RT: 10.798 min Scan# 141
Delta R.T. -0.247 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

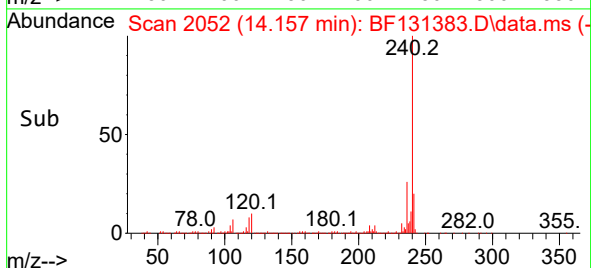
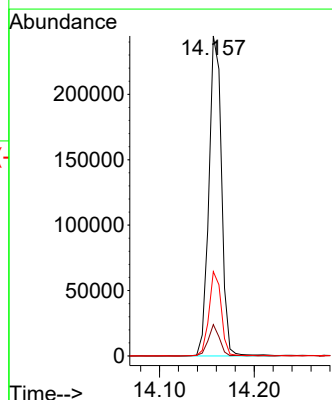
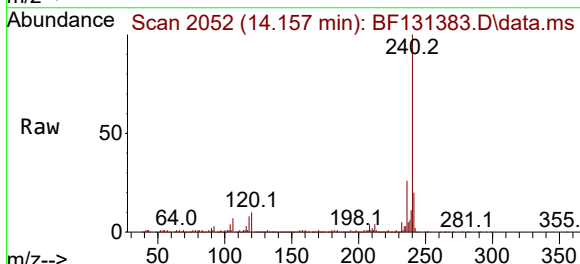
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-21

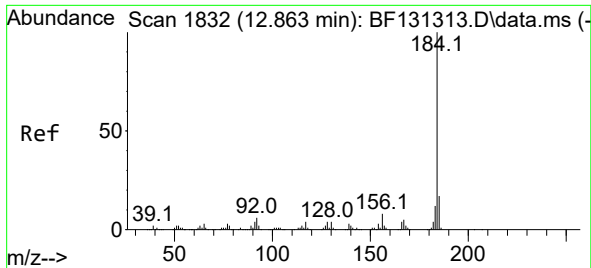
Tgt Ion:248 Resp: 10919
Ion Ratio Lower Upper
248 100
250 215.1 78.3 117.5#
141 547.5 58.0 87.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.006 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

Tgt Ion:240 Resp: 226623
Ion Ratio Lower Upper
240 100
120 9.8 5.8 8.8#
236 26.3 20.3 30.5

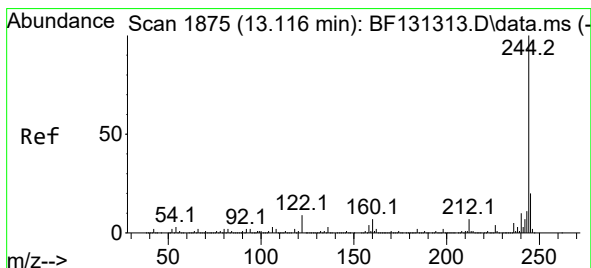
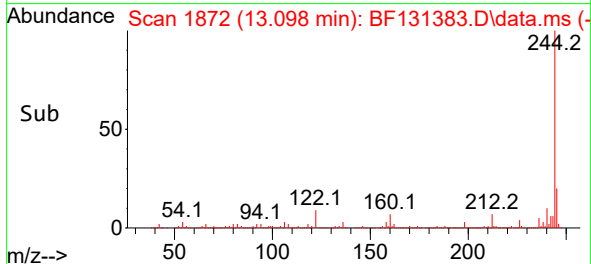
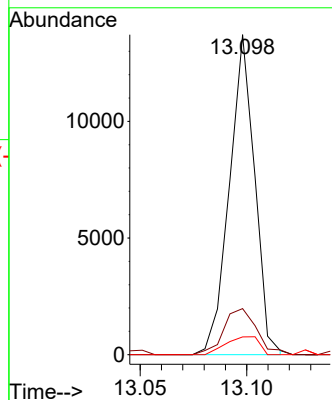
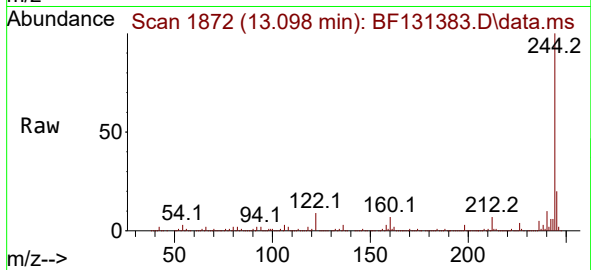




#77
Benzidine
Concen: 2.699 ng
RT: 13.098 min Scan# 1872
Delta R.T. 0.253 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

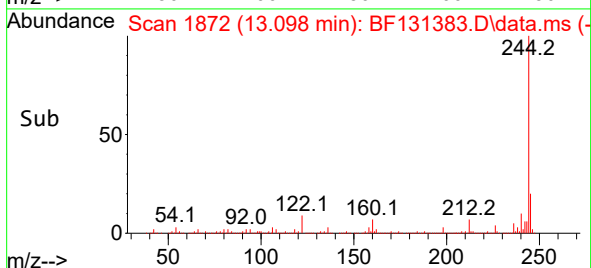
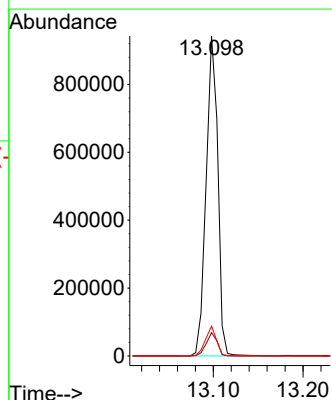
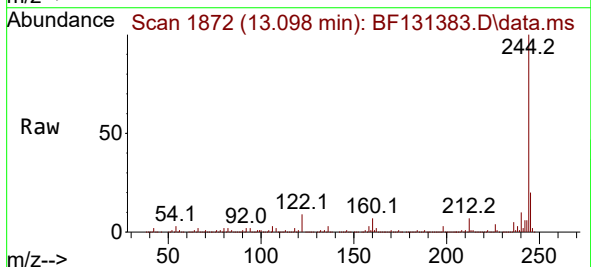
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-21

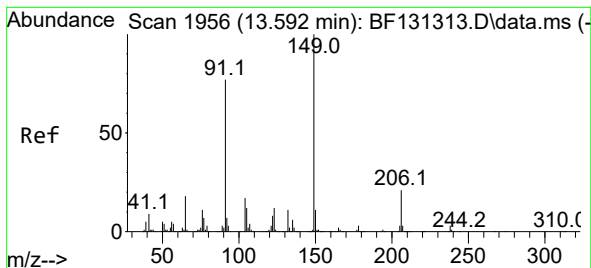
Tgt Ion:184 Resp: 11299
Ion Ratio Lower Upper
184 100
185 14.4 13.8 20.8
183 5.6 9.6 14.4#



#79
Terphenyl-d14
Concen: 61.493 ng
RT: 13.098 min Scan# 1872
Delta R.T. 0.000 min
Lab File: BF131383.D
Acq: 24 Nov 2022 03:00

Tgt Ion:244 Resp: 852195
Ion Ratio Lower Upper
244 100
212 7.3 5.9 8.9
122 9.3 7.5 11.3





#80

Butylbenzylphthalate

Concen: 4.616 ng

RT: 13.574 min Scan# 1956

Delta R.T. 0.000 min

Lab File: BF131383.D

Acq: 24 Nov 2022 03:00

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-21

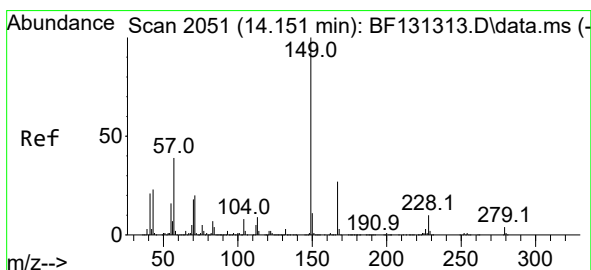
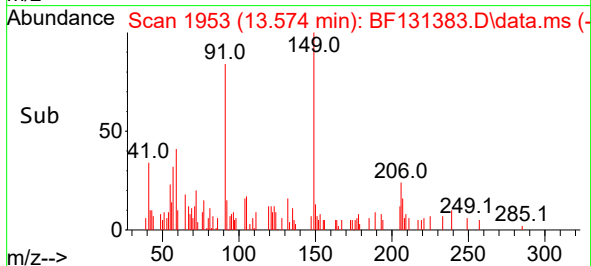
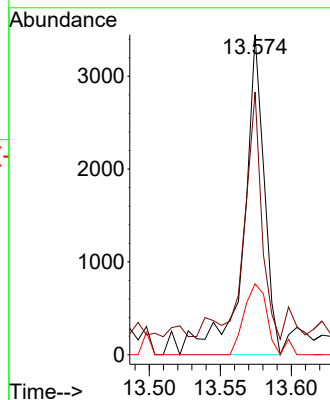
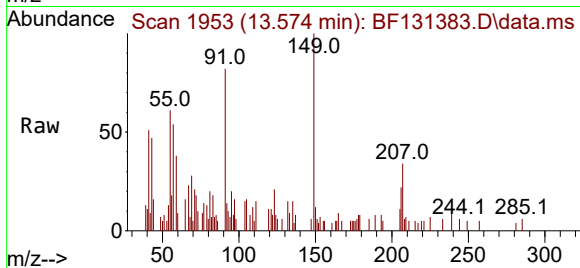
Tgt Ion:149 Resp: 3478

Ion Ratio Lower Upper

149 100

91 82.1 61.9 92.9

206 22.2 16.5 24.7



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.971 ng

RT: 14.133 min Scan# 2048

Delta R.T. 0.000 min

Lab File: BF131383.D

Acq: 24 Nov 2022 03:00

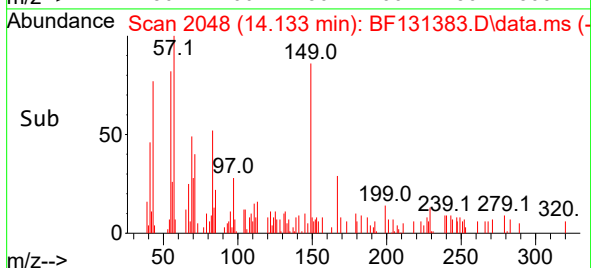
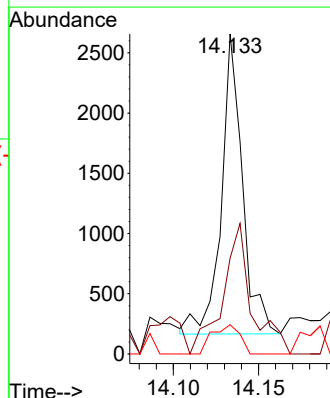
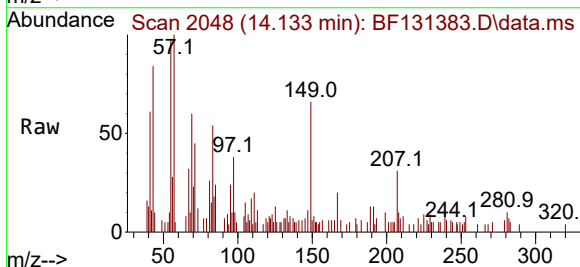
Tgt Ion:149 Resp: 2154

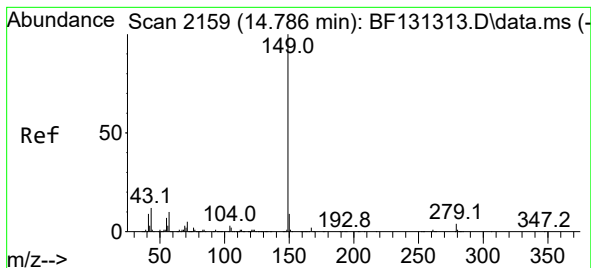
Ion Ratio Lower Upper

149 100

167 29.9 21.9 32.9

279 9.1 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 3.991 ng

RT: 14.757 min Scan# 2154

Delta R.T. -0.006 min

Lab File: BF131383.D

Acq: 24 Nov 2022 03:00

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-21

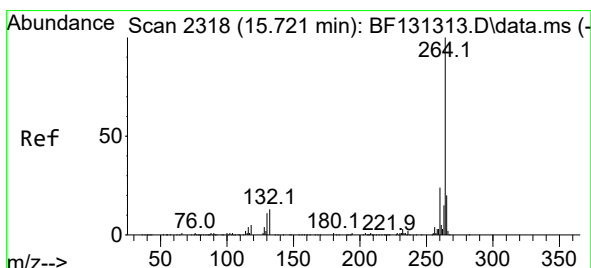
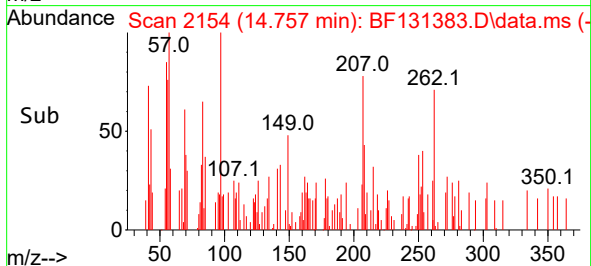
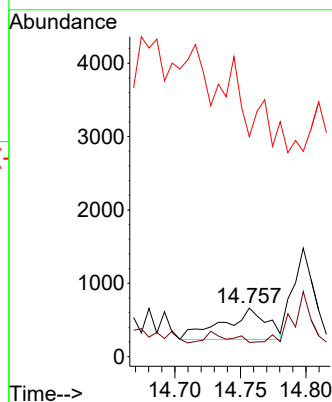
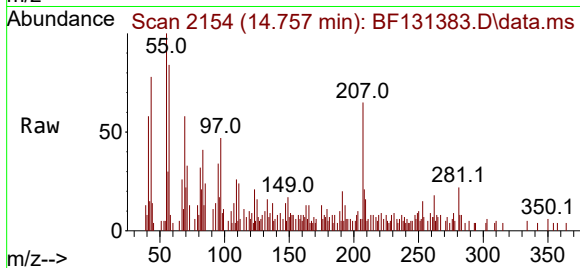
Tgt Ion:149 Resp: 996

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

43 0.0 10.7 16.1#



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.698 min Scan# 2314

Delta R.T. 0.006 min

Lab File: BF131383.D

Acq: 24 Nov 2022 03:00

Tgt Ion:264 Resp: 164101

Ion Ratio Lower Upper

264 100

260 23.9 19.0 28.4

265 21.3 16.4 24.6

