

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131380.D
 Acq On : 24 Nov 2022 01:24
 Operator : CG\JU
 Sample : N5641-11
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-11

Quant Time: Nov 24 05:59:44 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)

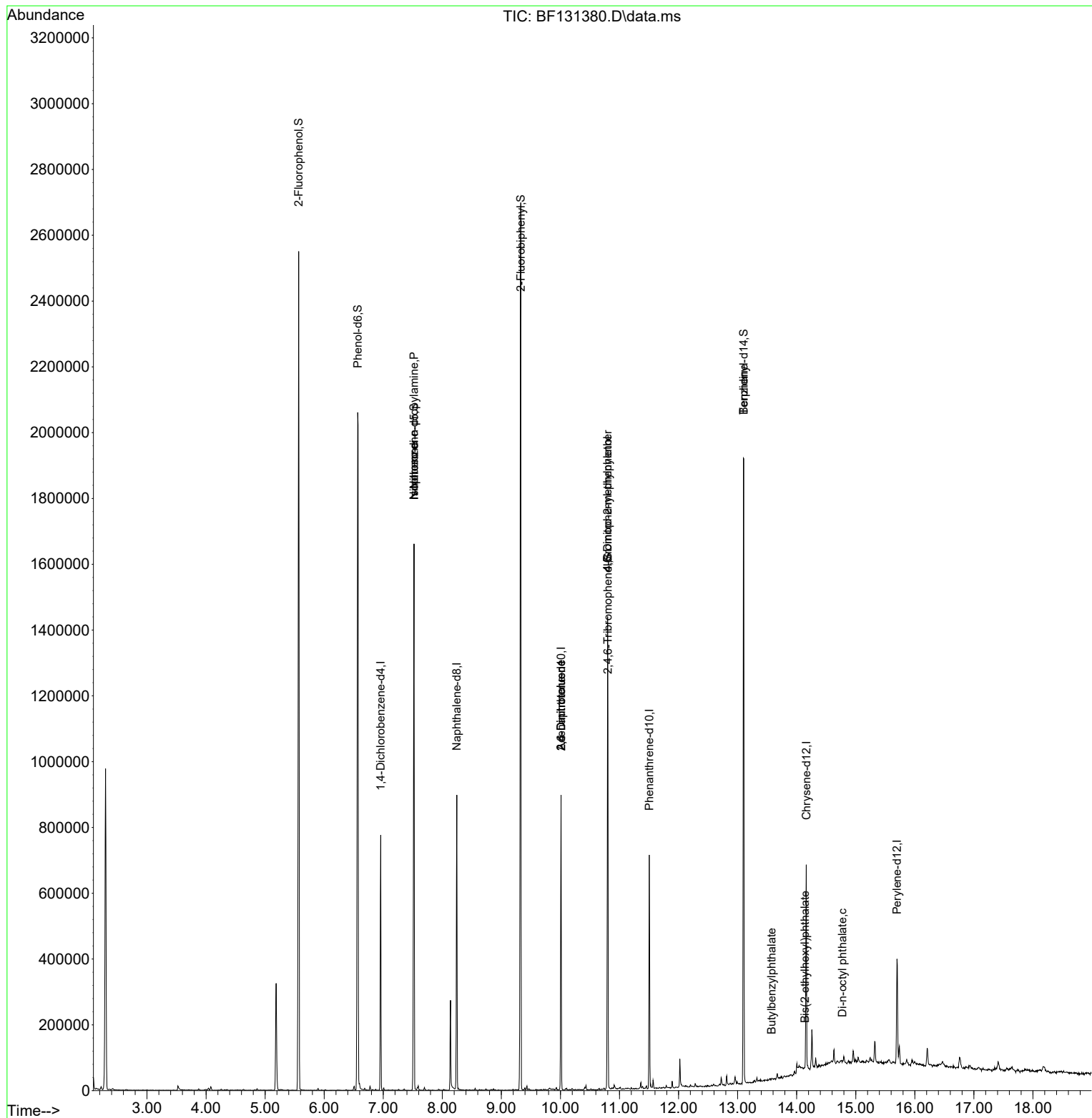
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	103304	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	341400	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	159981	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	242504	20.000	ng	0.00
76) Chrysene-d12	14.162	240	210412	20.000	ng	0.00
86) Perylene-d12	15.698	264	155861	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	636239	117.217	ng	0.01
7) Phenol-d6	6.569	99	774749	111.872	ng	0.00
23) Nitrobenzene-d5	7.522	82	489578	72.287	ng	0.00
42) 2,4,6-Tribromophenol	10.804	330	151153	112.304	ng	0.00
45) 2-Fluorobiphenyl	9.327	172	798366	72.601	ng	0.00
79) Terphenyl-d14	13.104	244	703791	54.697	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.504	77	59	Below Cal	#	52
19) n-Nitroso-di-n-propyla...	7.522	70	66843	13.185	ng	# 76
25) Isophorone	7.522	82	489310	40.496	ng	# 68
51) 2,6-Dinitrotoluene	10.010	165	20858	9.357	ng	# 15
57) 2,4-Dinitrotoluene	10.010	165	20858	7.437	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.798	198	353	4.954	ng	# 1
67) 4-Bromophenyl-phenylether	10.798	248	10409	3.502	ng	# 1
77) Benzidine	13.104	184	10119	2.604	ng	# 94
80) Butylbenzylphthalate	13.574	149	209	4.174	ng	# 56
84) Bis(2-ethylhexyl)phtha...	14.139	149	1242	3.887	ng	# 62
85) Di-n-octyl phthalate	14.774	149	163	3.917	ng	# 1

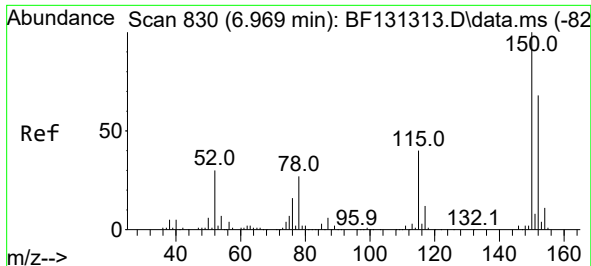
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 24 05:59:44 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

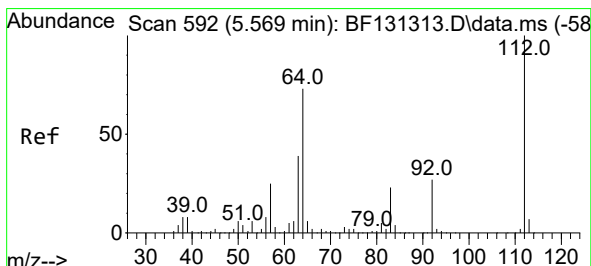
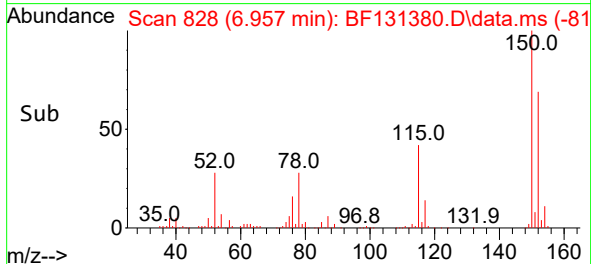
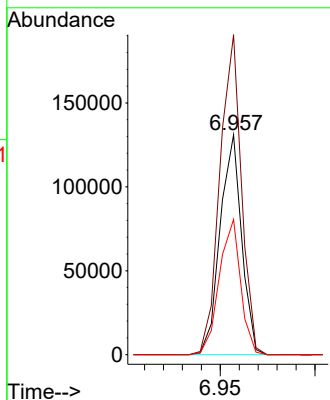
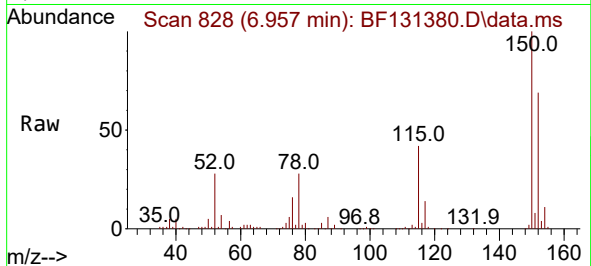




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131380.D
Acq: 24 Nov 2022 01:24

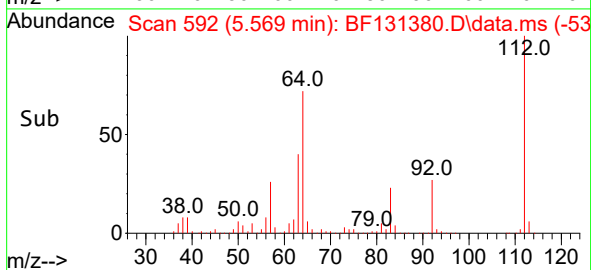
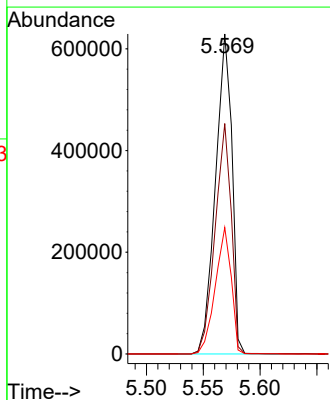
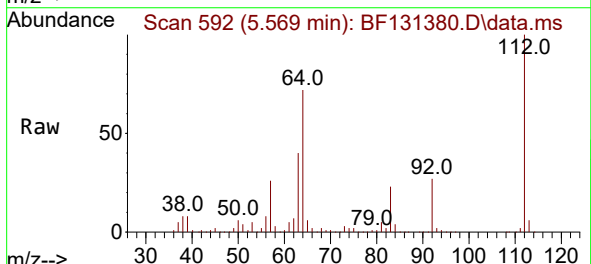
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-11

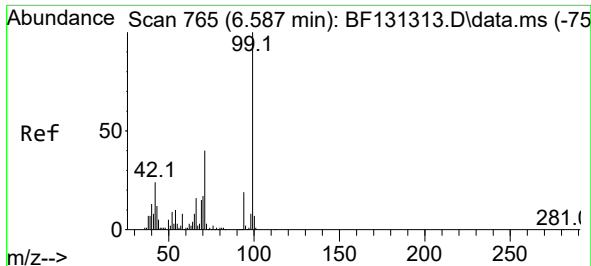
Tgt Ion:152 Resp: 103304
Ion Ratio Lower Upper
152 100
150 145.5 117.8 176.8
115 61.5 47.1 70.7



#5
2-Fluorophenol
Concen: 117.217 ng
RT: 5.569 min Scan# 592
Delta R.T. 0.012 min
Lab File: BF131380.D
Acq: 24 Nov 2022 01:24

Tgt Ion:112 Resp: 636239
Ion Ratio Lower Upper
112 100
64 72.0 58.6 88.0
63 39.5 31.4 47.0

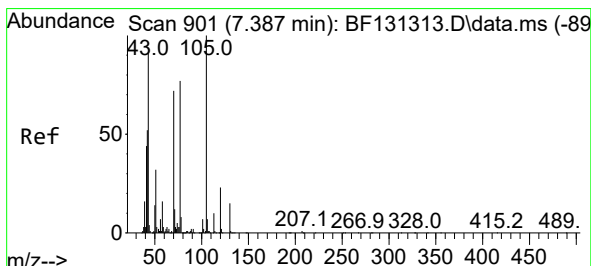
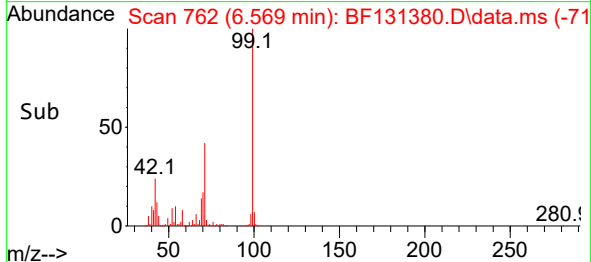
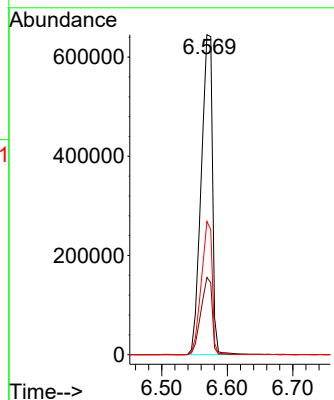
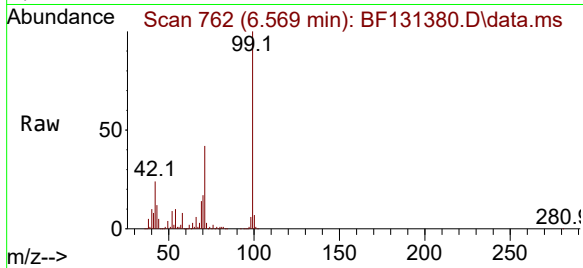




#7
Phenol-d6
Concen: 111.872 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131380.D
Acq: 24 Nov 2022 01:24

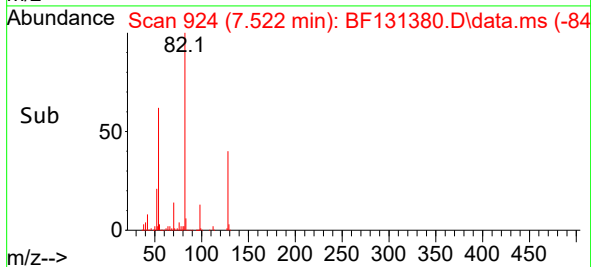
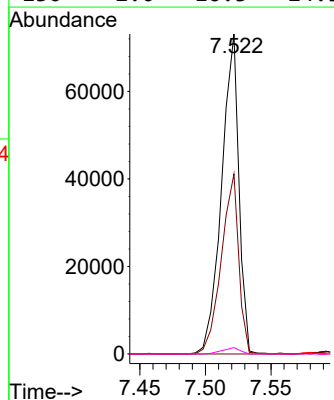
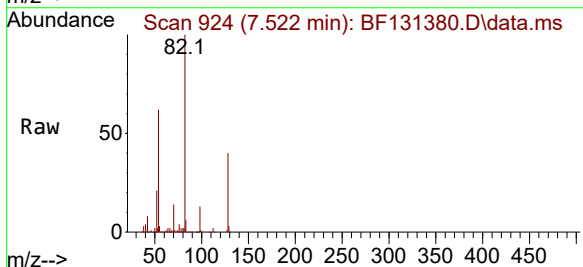
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-11

Tgt Ion: 99 Resp: 774749
Ion Ratio Lower Upper
99 100
42 24.2 19.4 29.2
71 41.7 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.185 ng
RT: 7.522 min Scan# 924
Delta R.T. 0.153 min
Lab File: BF131380.D
Acq: 24 Nov 2022 01:24

Tgt Ion: 70 Resp: 66843
Ion Ratio Lower Upper
70 100
42 56.2 57.6 86.4#
101 0.0 8.2 12.2#
130 2.0 16.3 24.5#

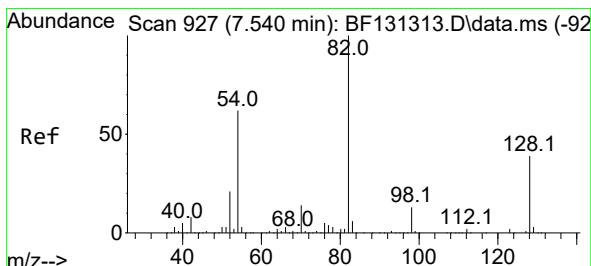
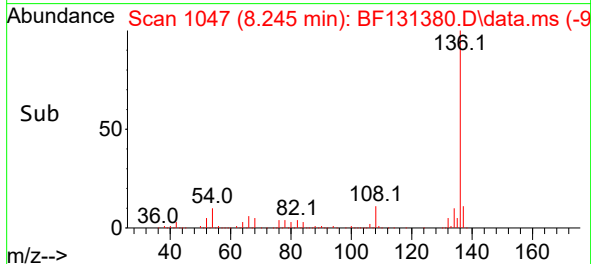
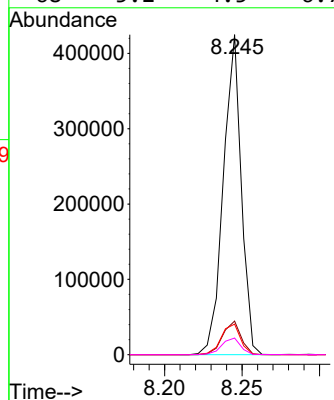
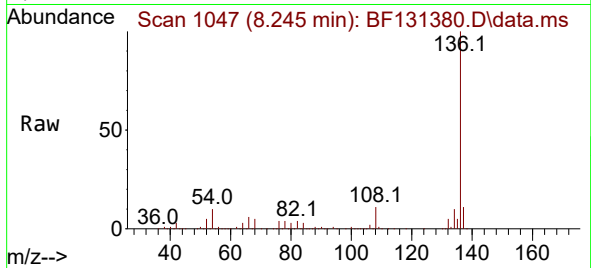




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF131380.D
Acq: 24 Nov 2022 01:24

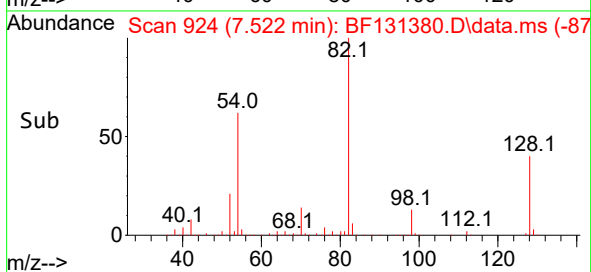
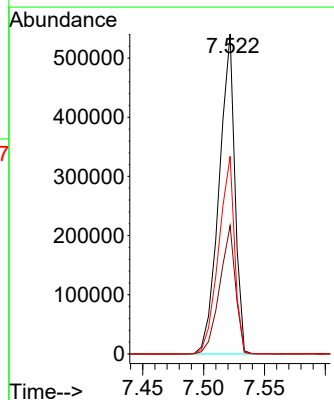
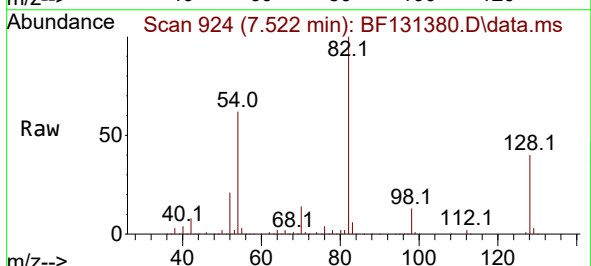
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-11

Tgt Ion:136 Resp: 341400
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.6
54 9.6 9.4 14.0
68 5.2 4.5 6.7



#23
Nitrobenzene-d5
Concen: 72.287 ng
RT: 7.522 min Scan# 924
Delta R.T. -0.000 min
Lab File: BF131380.D
Acq: 24 Nov 2022 01:24

Tgt Ion: 82 Resp: 489578
Ion Ratio Lower Upper
82 100
128 40.1 31.4 47.0
54 61.7 49.8 74.6

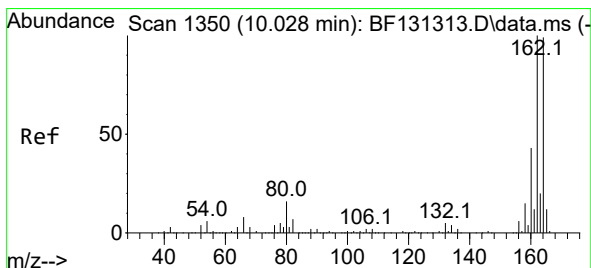
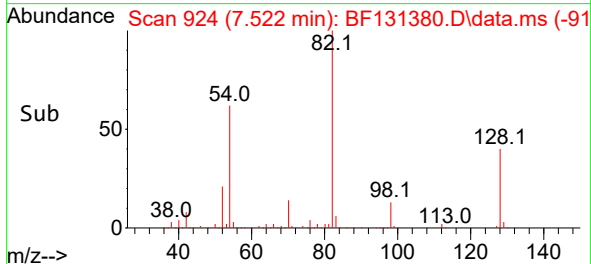
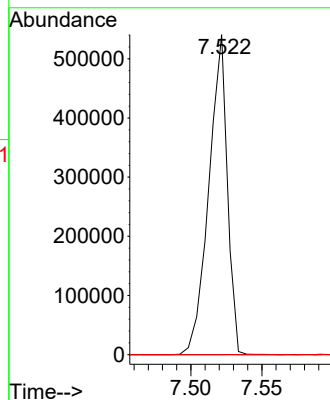
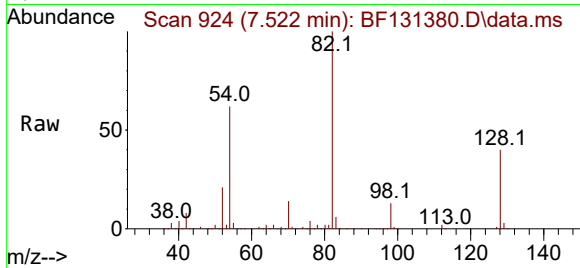




#25
Isophorone
Concen: 40.496 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF131380.D
Acq: 24 Nov 2022 01:24

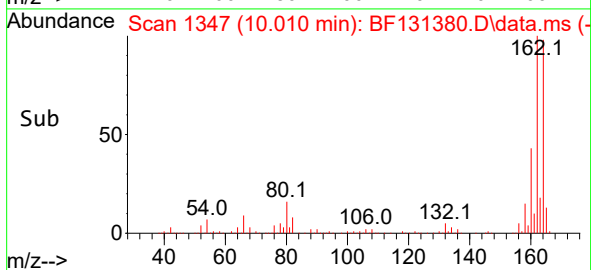
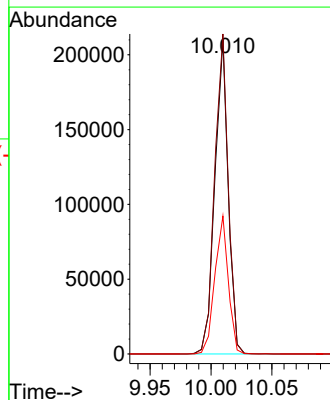
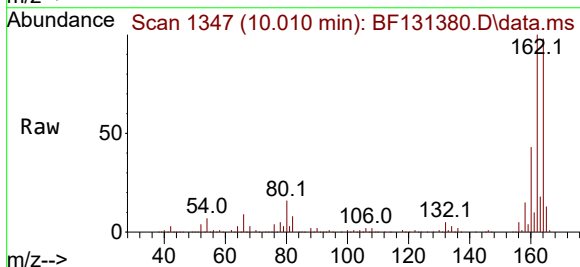
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-11

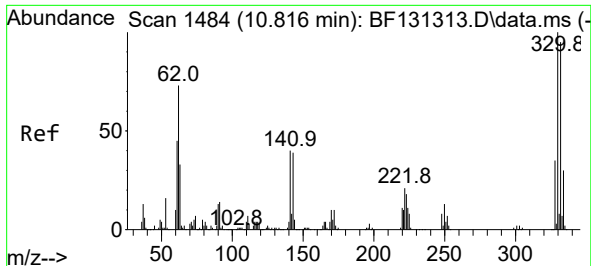
Tgt Ion: 82 Resp: 489310
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1347
Delta R.T. -0.000 min
Lab File: BF131380.D
Acq: 24 Nov 2022 01:24

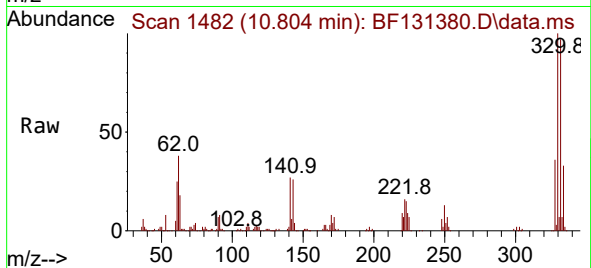
Tgt Ion: 164 Resp: 159981
Ion Ratio Lower Upper
164 100
162 102.0 80.6 120.8
160 44.0 34.4 51.6



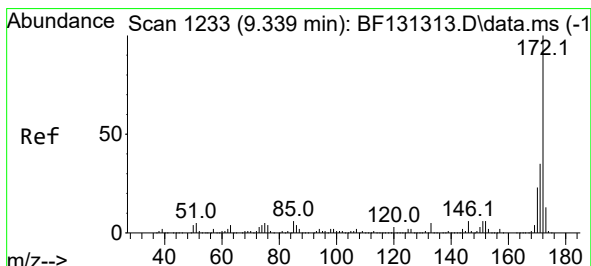
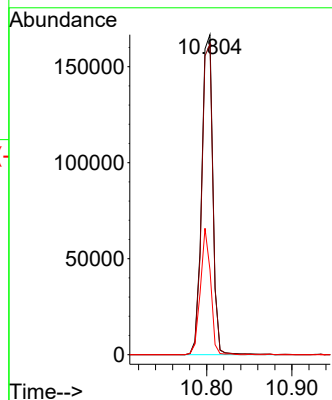
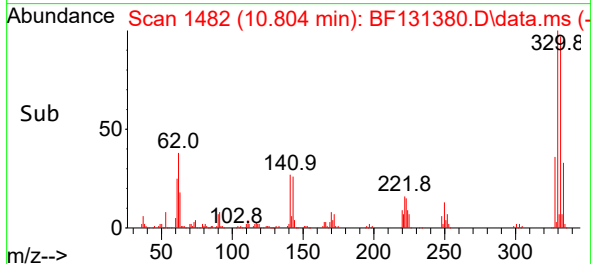


#42
2,4,6-Tribromophenol
Concen: 112.304 ng
RT: 10.804 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BF131380.D
Acq: 24 Nov 2022 01:24

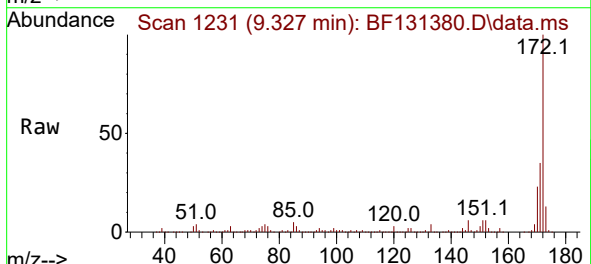
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ClientSampleId :
SOIL-PILE-11



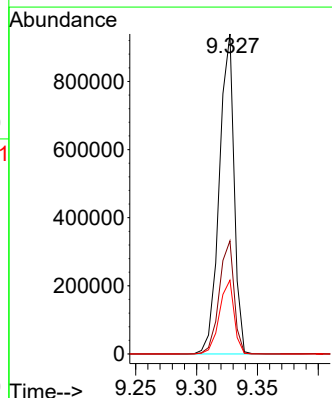
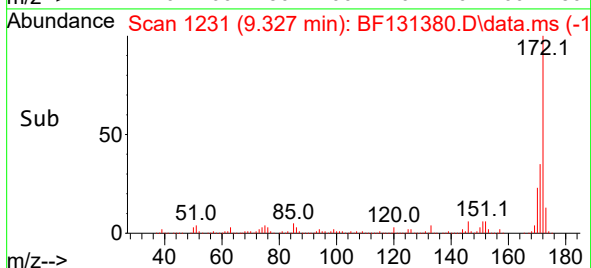
Tgt Ion:330 Resp: 151153
Ion Ratio Lower Upper
330 100
332 96.8 77.5 116.3
141 36.2 29.3 43.9

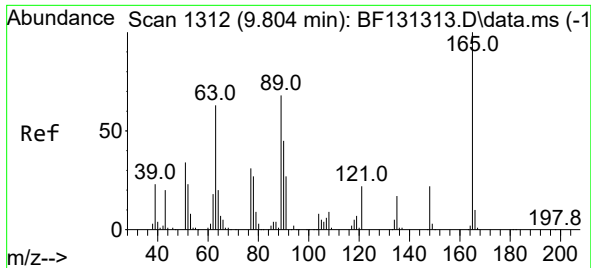


#45
2-Fluorobiphenyl
Concen: 72.601 ng
RT: 9.327 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF131380.D
Acq: 24 Nov 2022 01:24



Tgt Ion:172 Resp: 798366
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.2
170 23.0 18.7 28.1





#51

2,6-Dinitrotoluene

Concen: 9.357 ng

RT: 10.010 min Scan# 1347

Delta R.T. 0.217 min

Lab File: BF131380.D

Acq: 24 Nov 2022 01:24

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-11

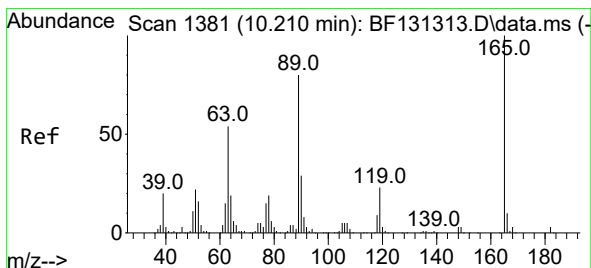
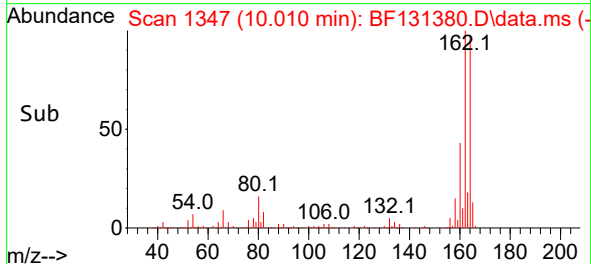
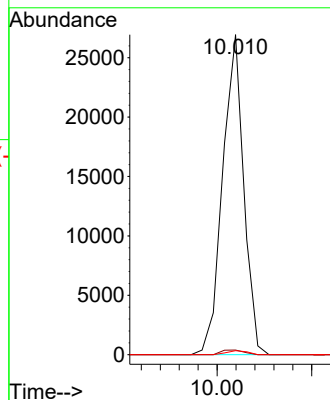
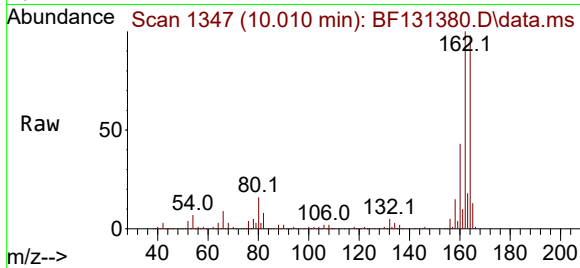
Tgt Ion:165 Resp: 20858

Ion Ratio Lower Upper

165 100

63 1.4 62.0 93.0#

89 1.2 54.4 81.6#



#57

2,4-Dinitrotoluene

Concen: 7.437 ng

RT: 10.010 min Scan# 1347

Delta R.T. -0.183 min

Lab File: BF131380.D

Acq: 24 Nov 2022 01:24

Tgt Ion:165 Resp: 20858

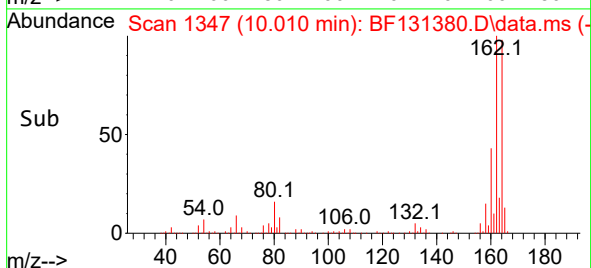
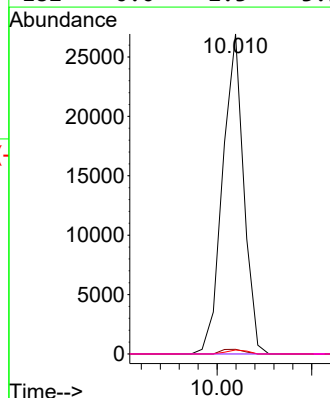
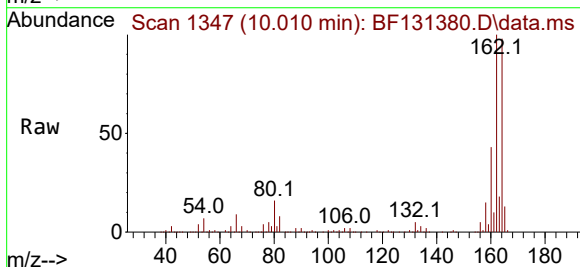
Ion Ratio Lower Upper

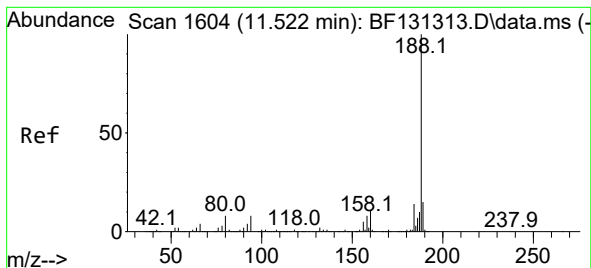
165 100

63 1.4 43.4 65.2#

89 1.2 64.0 96.0#

182 0.0 2.3 3.5#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.504 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF131380.D

Acq: 24 Nov 2022 01:24

Instrument :

BNA_F

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SOIL-PILE-11

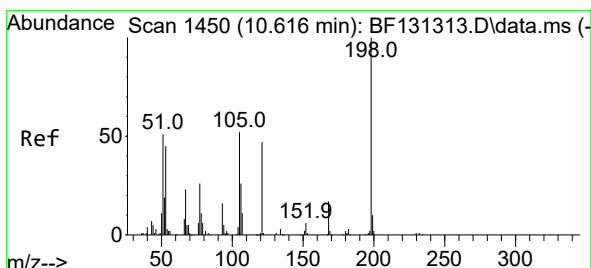
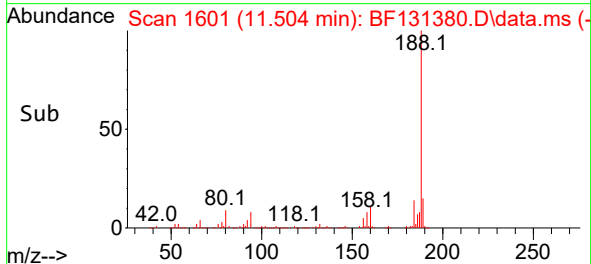
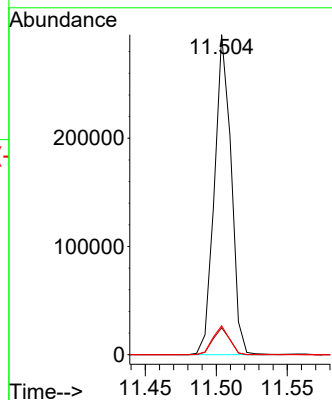
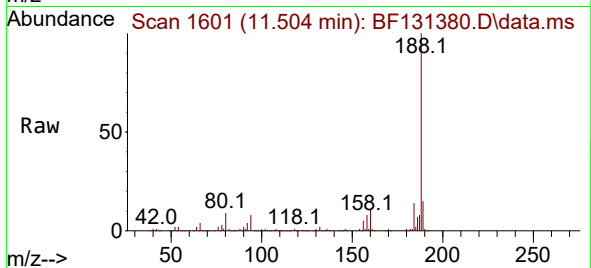
Tgt Ion:188 Resp: 242504

Ion Ratio Lower Upper

188 100

94 8.4 6.3 9.5

80 9.0 6.8 10.2



#65

4,6-Dinitro-2-methylphenol

Concen: 4.954 ng

RT: 10.798 min Scan# 1481

Delta R.T. 0.194 min

Lab File: BF131380.D

Acq: 24 Nov 2022 01:24

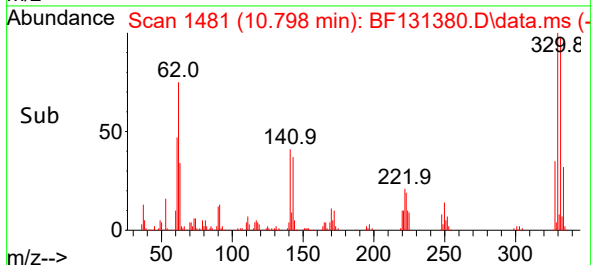
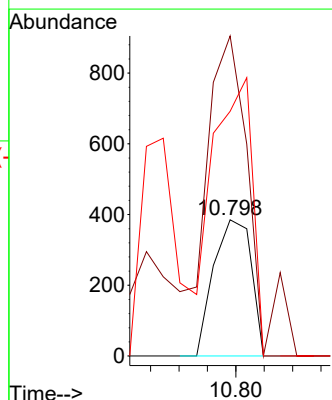
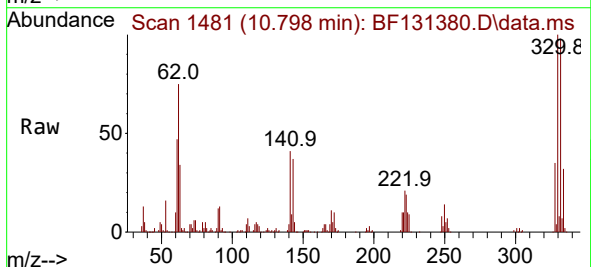
Tgt Ion:198 Resp: 353

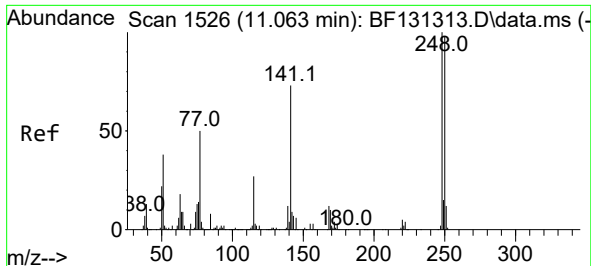
Ion Ratio Lower Upper

198 100

51 235.1 50.1 90.1#

105 179.7 32.5 72.5#

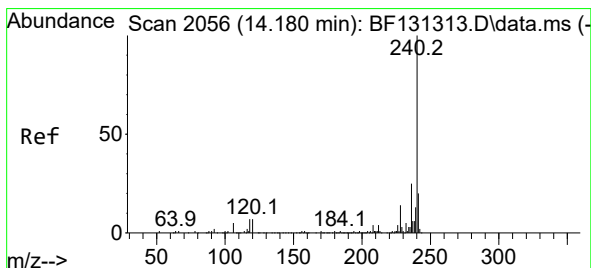
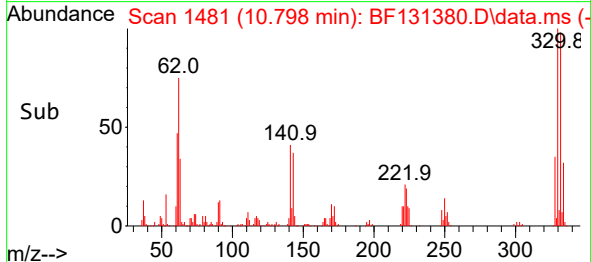
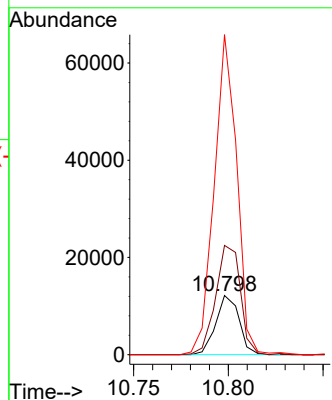
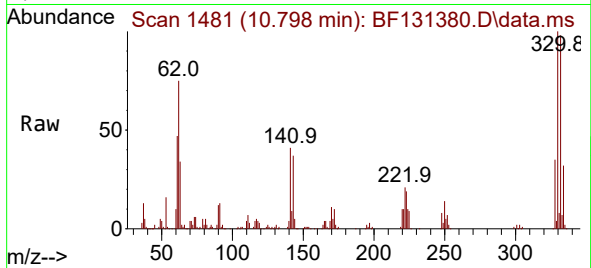




#67
4-Bromophenyl-phenylether
Concen: 3.502 ng
RT: 10.798 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF131380.D
Acq: 24 Nov 2022 01:24

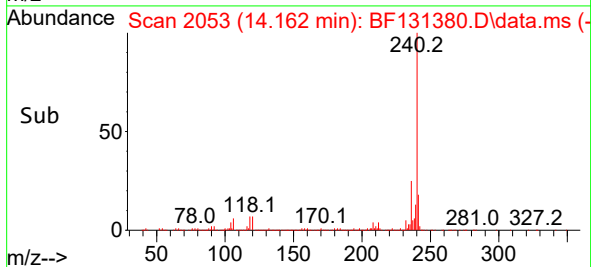
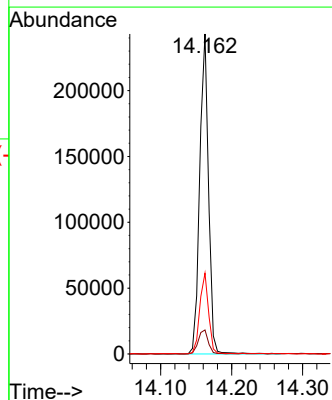
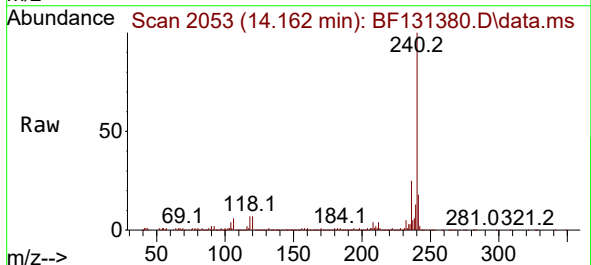
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-11

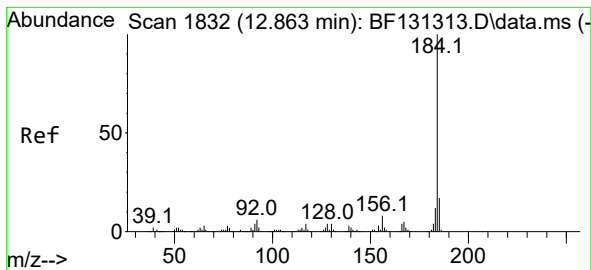
Tgt Ion:248 Resp: 10409
Ion Ratio Lower Upper
248 100
250 184.6 78.3 117.5#
141 540.2 58.0 87.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.162 min Scan# 2053
Delta R.T. -0.000 min
Lab File: BF131380.D
Acq: 24 Nov 2022 01:24

Tgt Ion:240 Resp: 210412
Ion Ratio Lower Upper
240 100
120 7.5 5.8 8.8
236 25.3 20.3 30.5





#77

Benzidine

Concen: 2.604 ng

RT: 13.104 min Scan# 1873

Delta R.T. 0.259 min

Lab File: BF131380.D

Acq: 24 Nov 2022 01:24

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-11

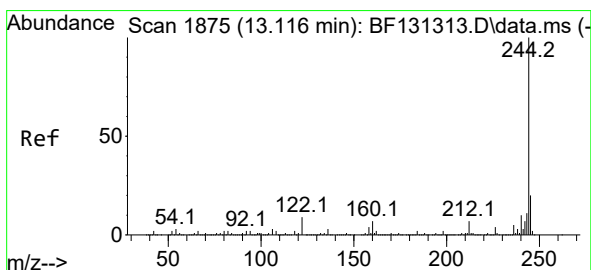
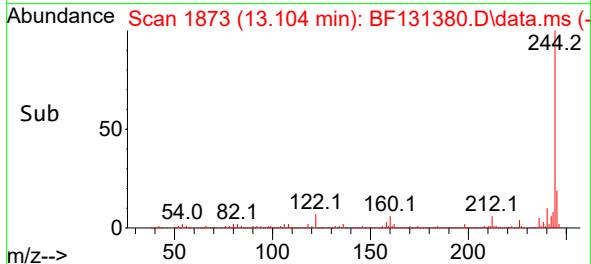
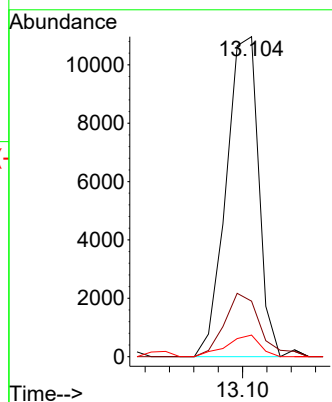
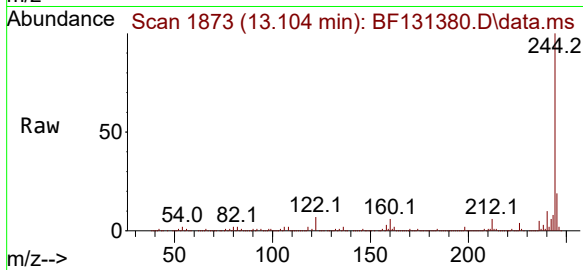
Tgt Ion:184 Resp: 10119

Ion Ratio Lower Upper

184 100

185 17.4 13.8 20.8

183 6.8 9.6 14.4#



#79

Terphenyl-d14

Concen: 54.697 ng

RT: 13.104 min Scan# 1873

Delta R.T. 0.006 min

Lab File: BF131380.D

Acq: 24 Nov 2022 01:24

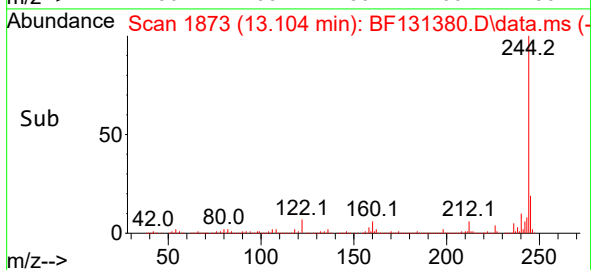
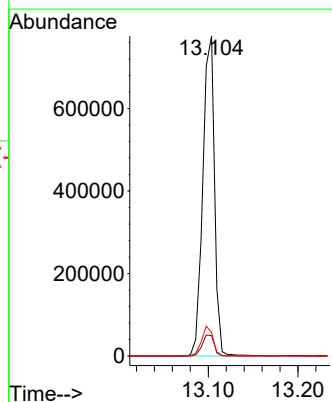
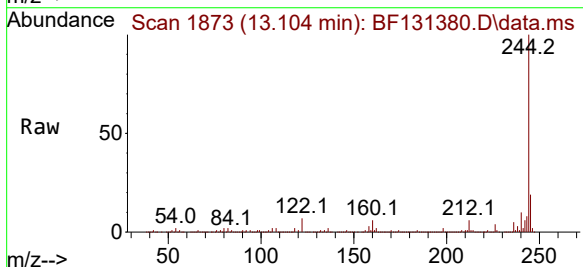
Tgt Ion:244 Resp: 703791

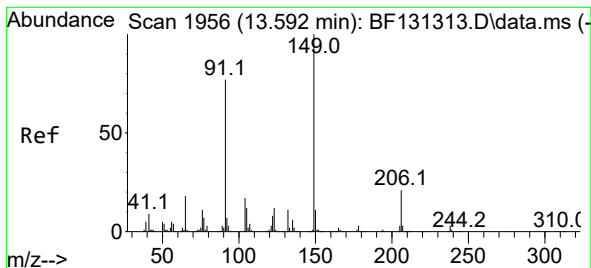
Ion Ratio Lower Upper

244 100

212 6.4 5.9 8.9

122 7.3 7.5 11.3#





#80

Butylbenzylphthalate

Concen: 4.174 ng

RT: 13.574 min Scan# 1956

Delta R.T. -0.000 min

Lab File: BF131380.D

Acq: 24 Nov 2022 01:24

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-11

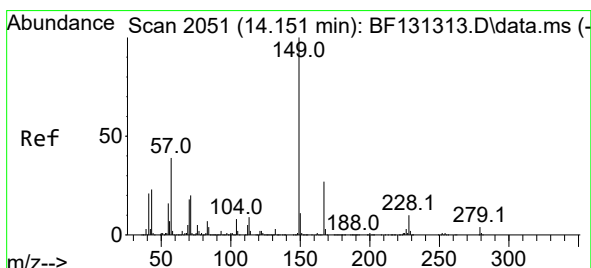
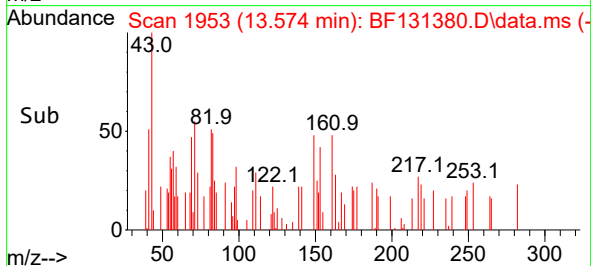
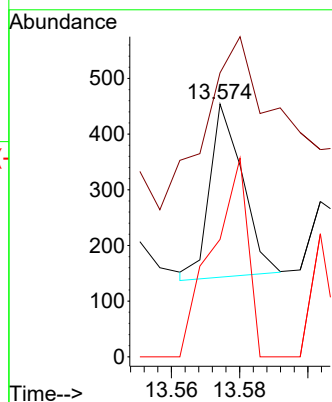
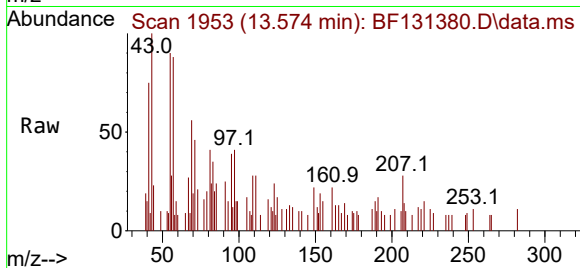
Tgt Ion:149 Resp: 209

Ion Ratio Lower Upper

149 100

91 112.3 61.9 92.9#

206 46.5 16.5 24.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.887 ng

RT: 14.139 min Scan# 2049

Delta R.T. 0.006 min

Lab File: BF131380.D

Acq: 24 Nov 2022 01:24

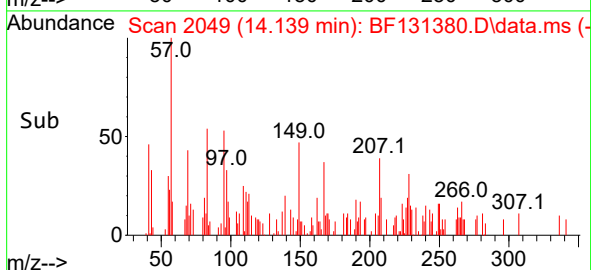
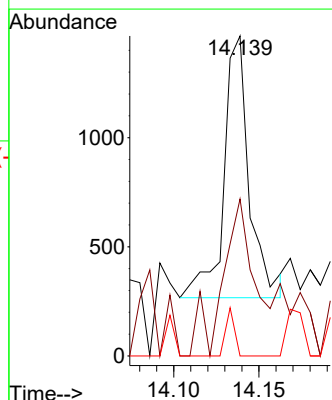
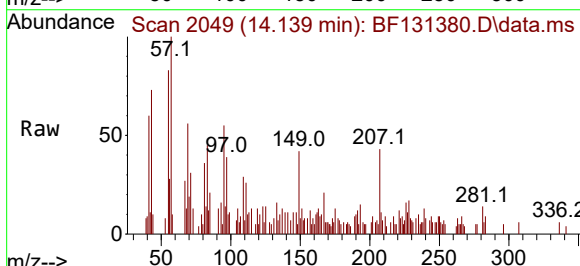
Tgt Ion:149 Resp: 1242

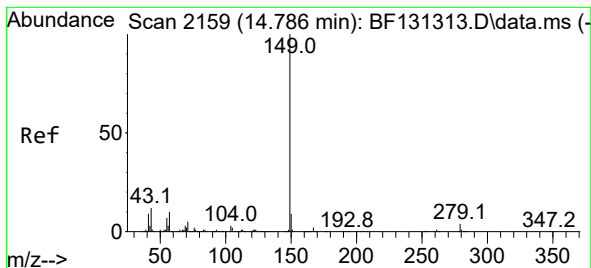
Ion Ratio Lower Upper

149 100

167 49.0 21.9 32.9#

279 0.0 3.0 4.4#





#85

Di-n-octyl phthalate

Concen: 3.917 ng

RT: 14.774 min Scan# 2159

Delta R.T. 0.012 min

Lab File: BF131380.D

Acq: 24 Nov 2022 01:24

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-11

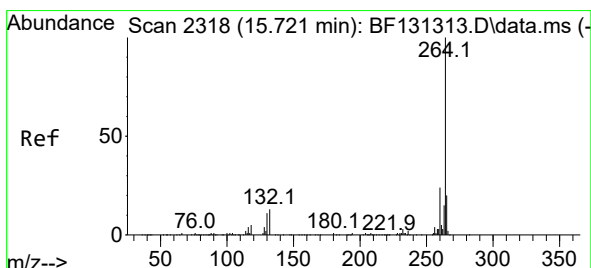
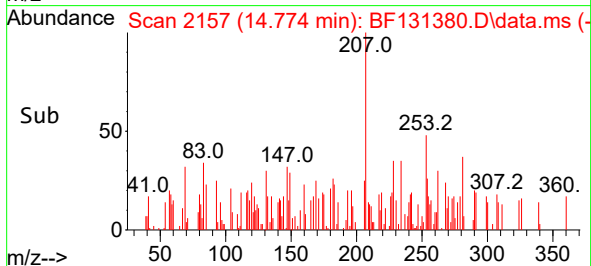
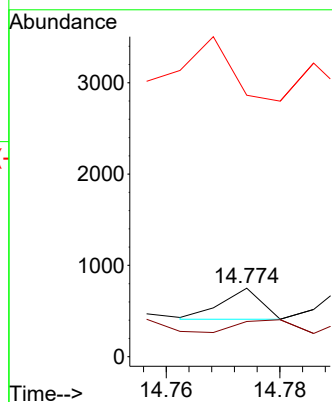
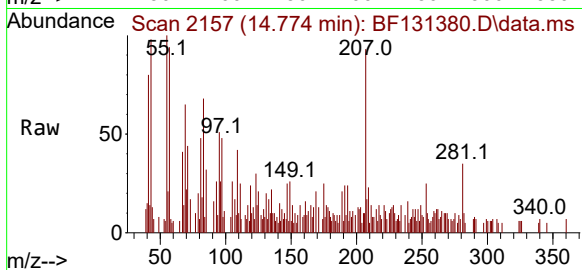
Tgt Ion:149 Resp: 163

Ion Ratio Lower Upper

149 100

167 427.6 1.2 1.8#

43 714.7 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: BF131380.D

Acq: 24 Nov 2022 01:24

Tgt Ion:264 Resp: 155861

Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.4

265 21.2 16.4 24.6

