

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131381.D
 Acq On : 24 Nov 2022 01:56
 Operator : CG\JU
 Sample : N5641-07
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-7

Quant Time: Nov 24 05:59:57 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)

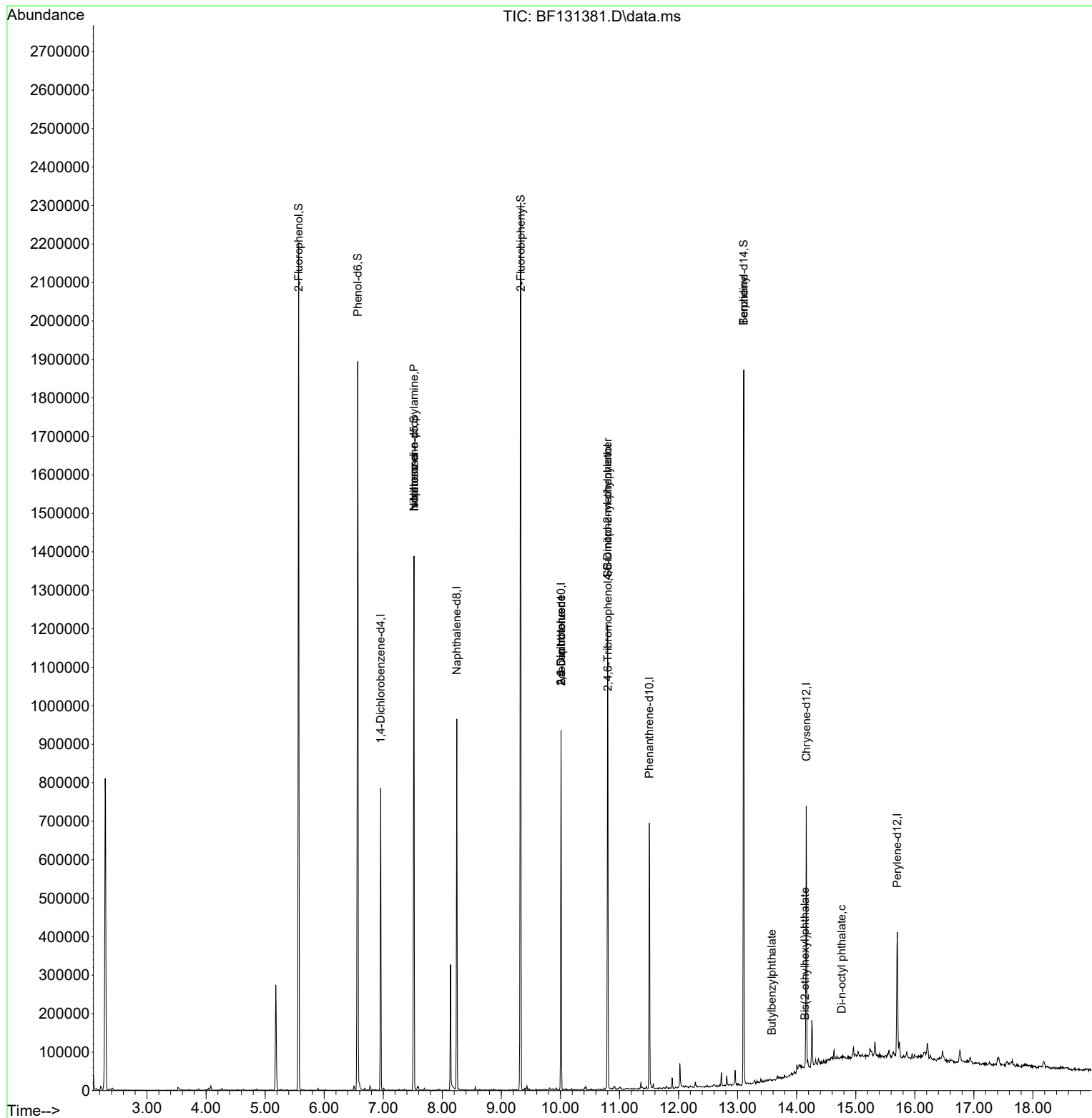
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.957	152	104021	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	347182	20.000	ng	0.00
39) Acenaphthene-d10	10.010	164	166192	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	252034	20.000	ng	0.00
76) Chrysene-d12	14.162	240	213461	20.000	ng	# 0.00
86) Perylene-d12	15.704	264	154037	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	512415	93.754	ng	0.01
7) Phenol-d6	6.569	99	636081	91.215	ng	0.00
23) Nitrobenzene-d5	7.522	82	397540	57.720	ng	0.00
42) 2,4,6-Tribromophenol	10.804	330	124237	88.856	ng	0.00
45) 2-Fluorobiphenyl	9.327	172	681948	59.697	ng	0.00
79) Terphenyl-d14	13.104	244	623455	47.761	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.504	77	61	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	7.522	70	53861	10.551	ng	# 76
25) Isophorone	7.522	82	397372	32.339	ng	# 68
51) 2,6-Dinitrotoluene	10.010	165	21251	9.177	ng	# 15
57) 2,4-Dinitrotoluene	10.010	165	21251	7.294	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.798	198	347	4.933	ng	# 1
67) 4-Bromophenyl-phenylether	10.798	248	9038	2.926	ng	# 1
77) Benzidine	13.104	184	8328	2.112	ng	# 92
80) Butylbenzylphthalate	13.580	149	319	4.190	ng	# 90
84) Bis(2-ethylhexyl)phtha...	14.139	149	1845	3.951	ng	# 78
85) Di-n-octyl phthalate	14.762	149	588	3.958	ng	# 1

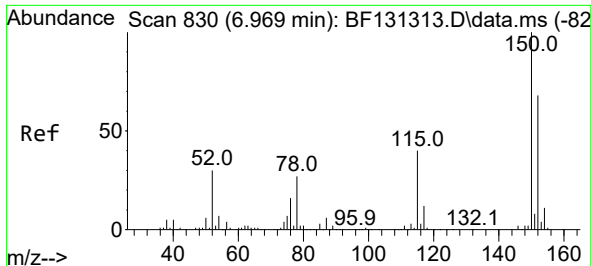
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration

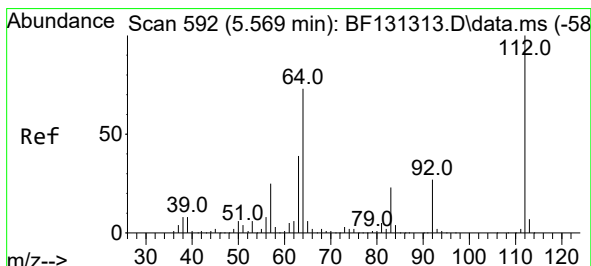
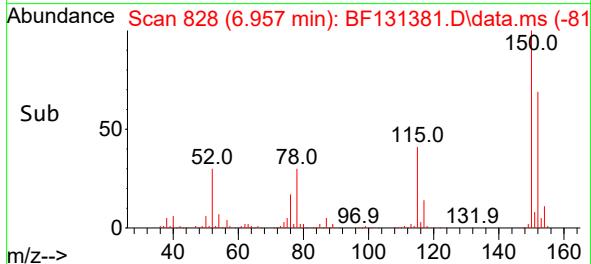
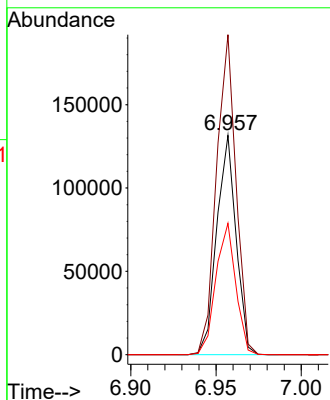
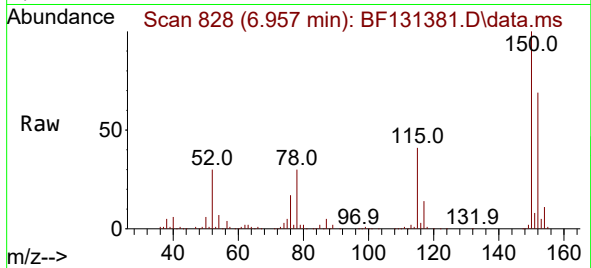




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.957 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

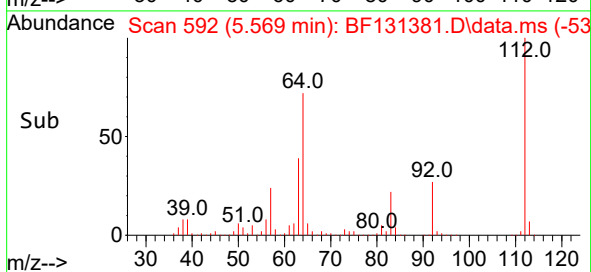
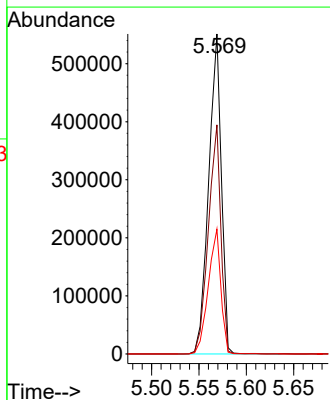
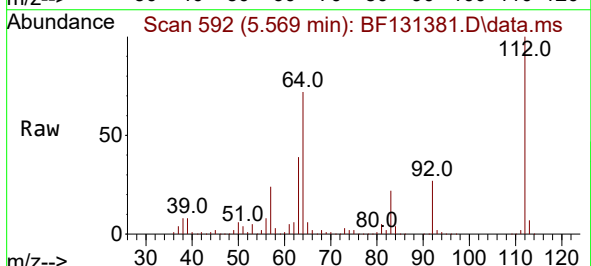
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-7

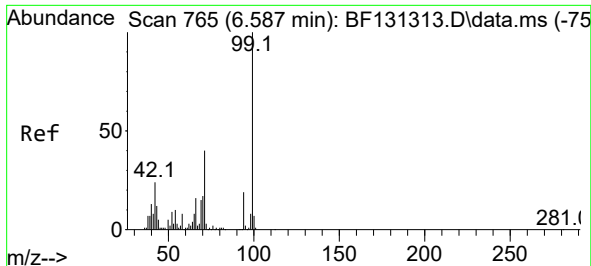
Tgt Ion:152 Resp: 104021
Ion Ratio Lower Upper
152 100
150 145.8 117.8 176.8
115 59.8 47.1 70.7



#5
2-Fluorophenol
Concen: 93.754 ng
RT: 5.569 min Scan# 592
Delta R.T. 0.012 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

Tgt Ion:112 Resp: 512415
Ion Ratio Lower Upper
112 100
64 71.6 58.6 88.0
63 39.0 31.4 47.0

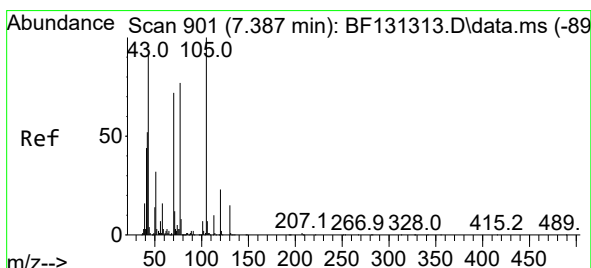
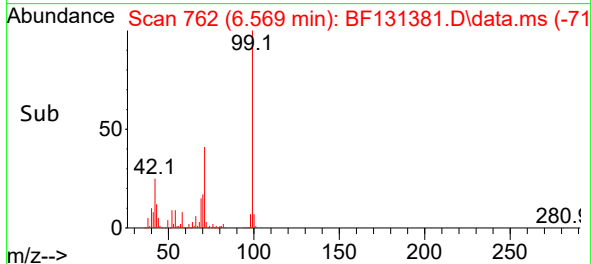
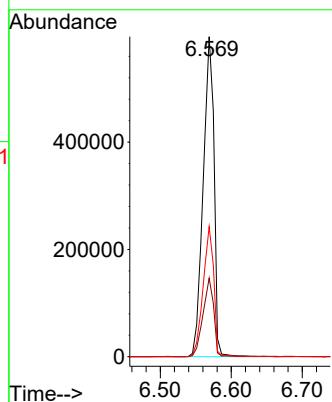
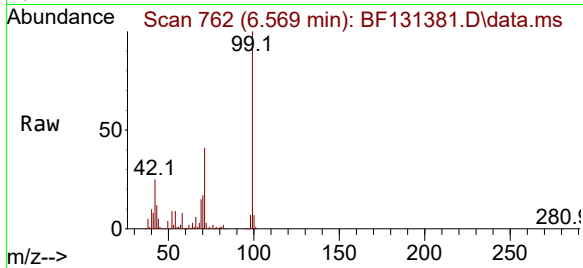




#7
Phenol-d6
Concen: 91.215 ng
RT: 6.569 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

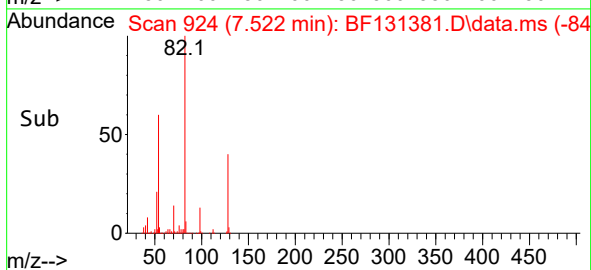
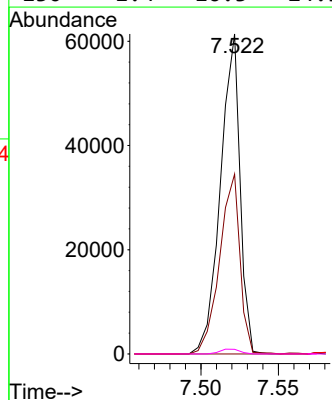
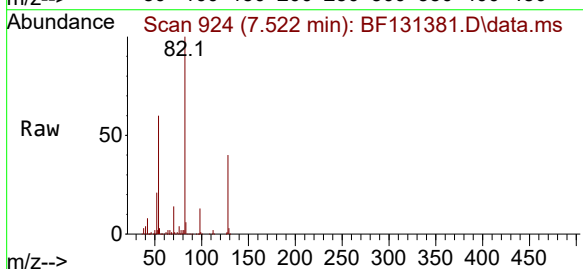
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-7

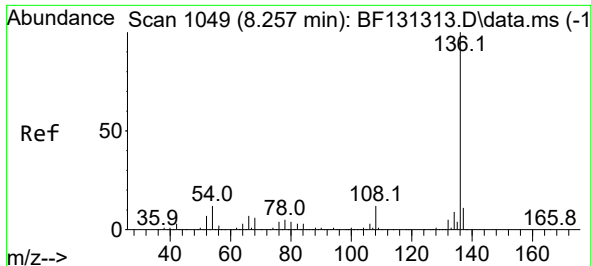
Tgt Ion: 99 Resp: 636081
Ion Ratio Lower Upper
99 100
42 24.6 19.4 29.2
71 40.7 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.551 ng
RT: 7.522 min Scan# 924
Delta R.T. 0.153 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

Tgt Ion: 70 Resp: 53861
Ion Ratio Lower Upper
70 100
42 56.2 57.6 86.4#
101 0.0 8.2 12.2#
130 1.4 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: BF131381.D

Acq: 24 Nov 2022 01:56

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-7

Tgt Ion:136 Resp: 347182

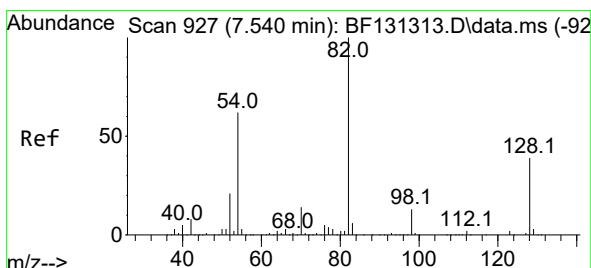
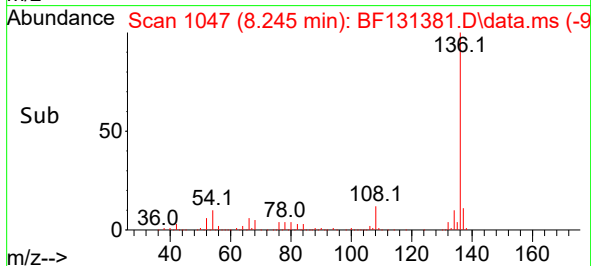
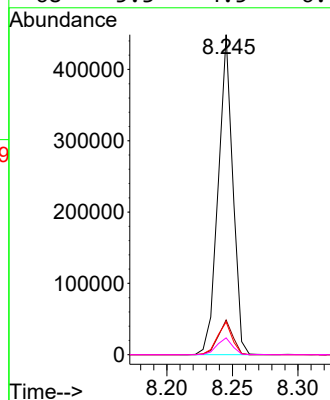
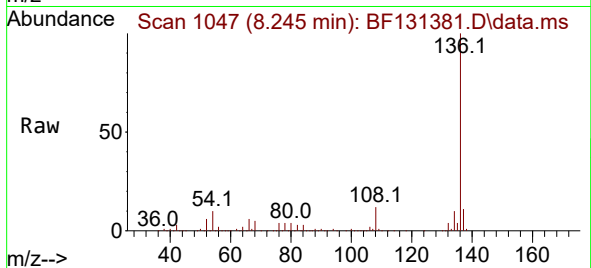
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 10.2 9.4 14.0

68 5.3 4.5 6.7



#23

Nitrobenzene-d5

Concen: 57.720 ng

RT: 7.522 min Scan# 924

Delta R.T. -0.000 min

Lab File: BF131381.D

Acq: 24 Nov 2022 01:56

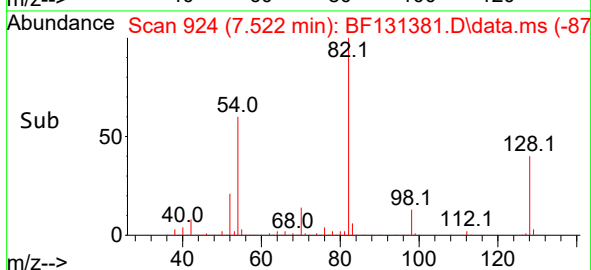
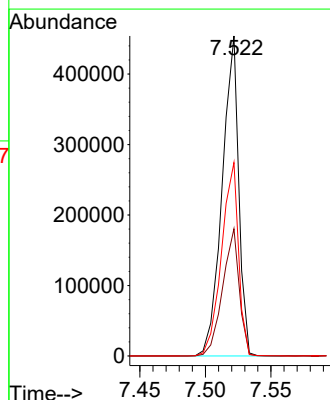
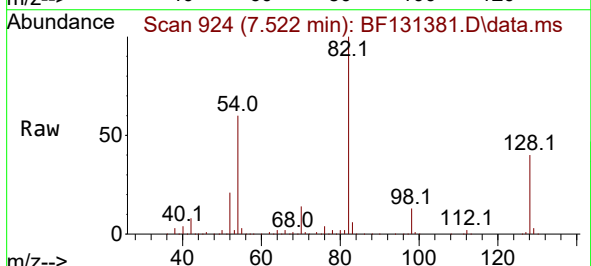
Tgt Ion: 82 Resp: 397540

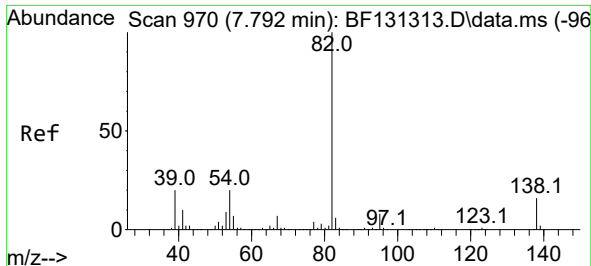
Ion Ratio Lower Upper

82 100

128 39.7 31.4 47.0

54 60.4 49.8 74.6

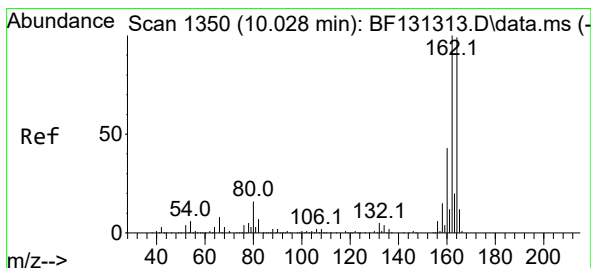
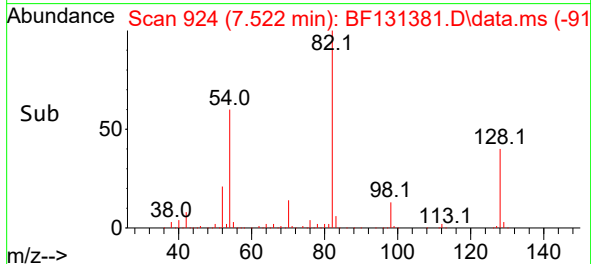
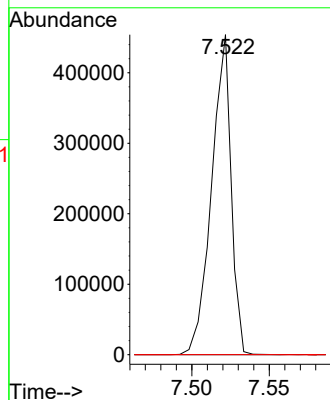
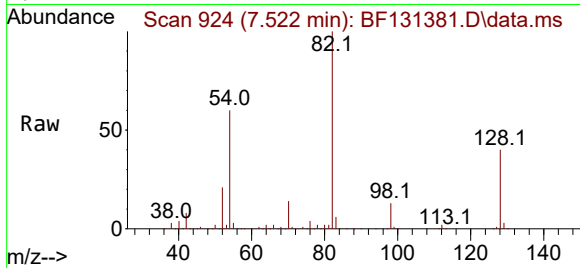




#25
Isophorone
Concen: 32.339 ng
RT: 7.522 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

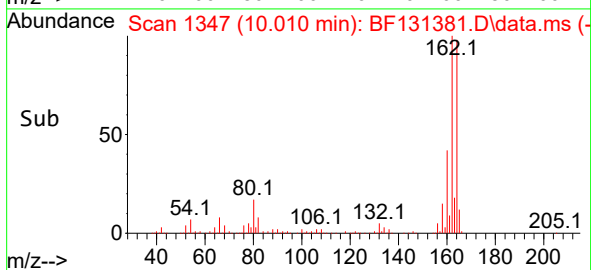
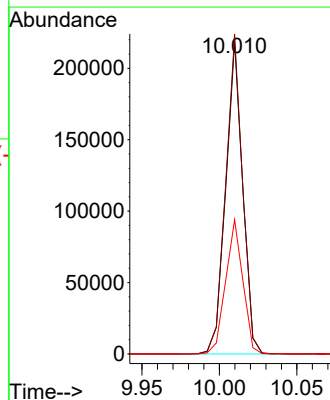
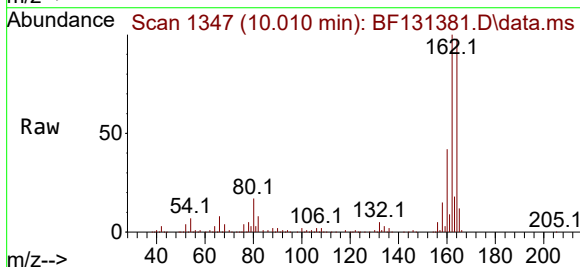
Instrument :
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ClientSampleId :
SOIL-PILE-7

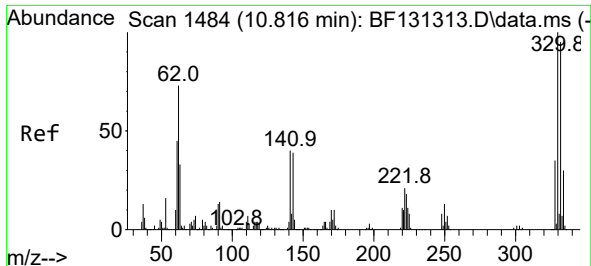
Tgt Ion: 82 Resp: 397372
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1347
Delta R.T. -0.000 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

Tgt Ion:164 Resp: 166192
Ion Ratio Lower Upper
164 100
162 102.5 80.6 120.8
160 43.0 34.4 51.6

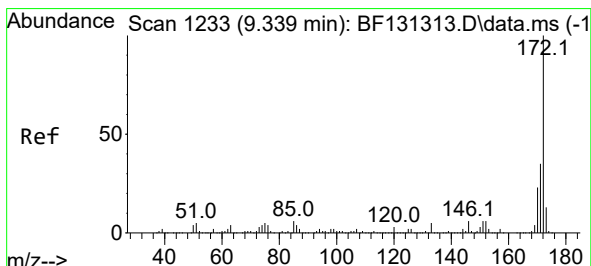
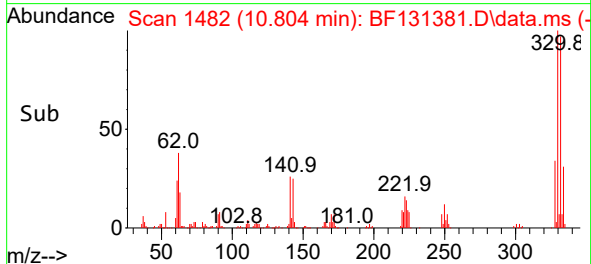
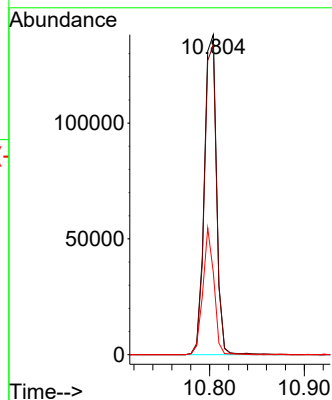
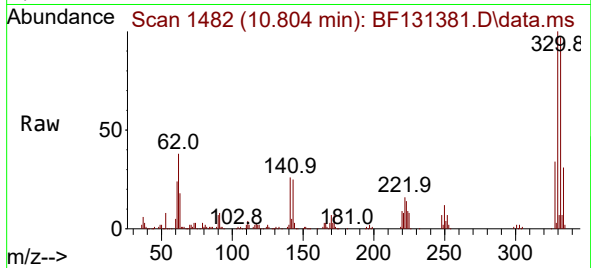




#42
2,4,6-Tribromophenol
Concen: 88.856 ng
RT: 10.804 min Scan# 1482
Delta R.T. -0.000 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

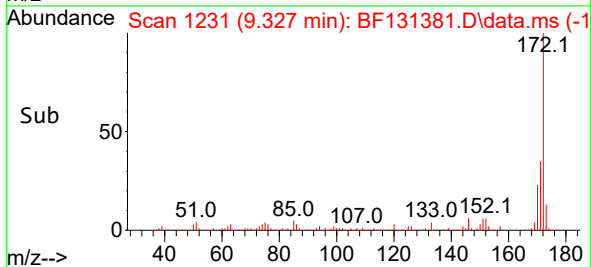
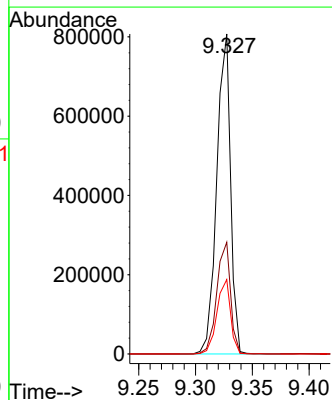
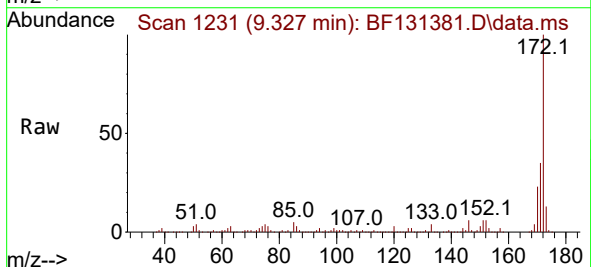
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SOIL-PILE-7

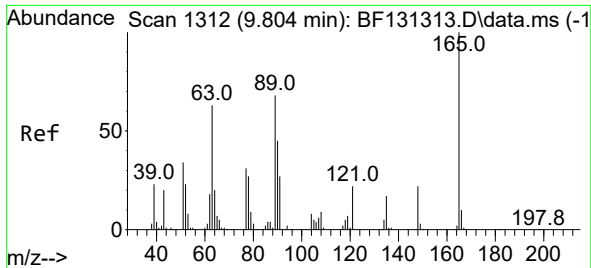
Tgt Ion:330 Resp: 124237
Ion Ratio Lower Upper
330 100
332 96.4 77.5 116.3
141 35.9 29.3 43.9



#45
2-Fluorobiphenyl
Concen: 59.697 ng
RT: 9.327 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

Tgt Ion:172 Resp: 681948
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.2
170 23.2 18.7 28.1

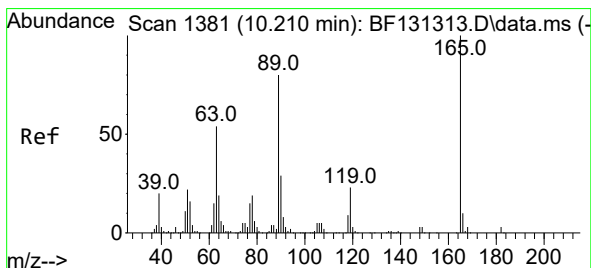
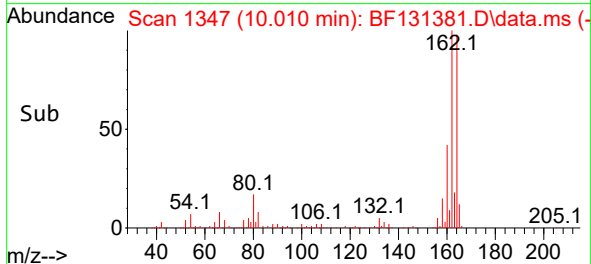
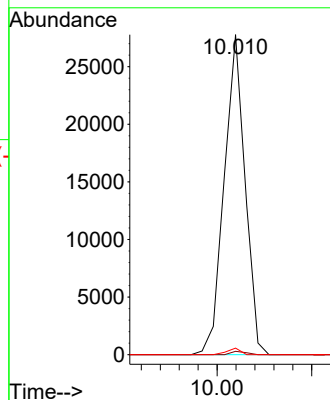
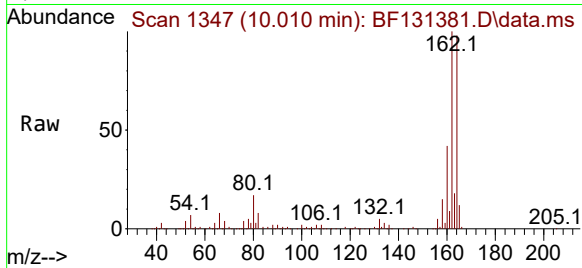




#51
2,6-Dinitrotoluene
Concen: 9.177 ng
RT: 10.010 min Scan# 1312
Delta R.T. 0.217 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

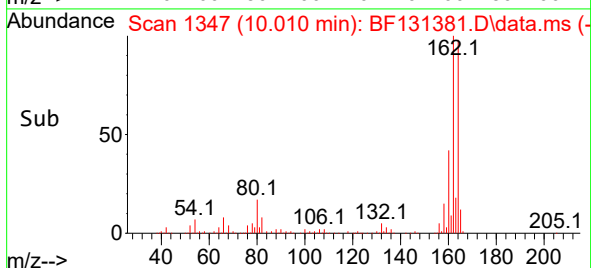
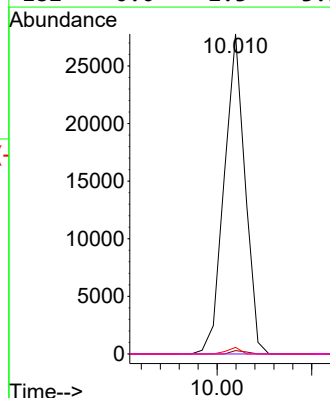
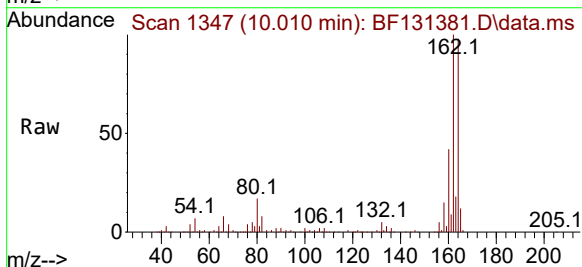
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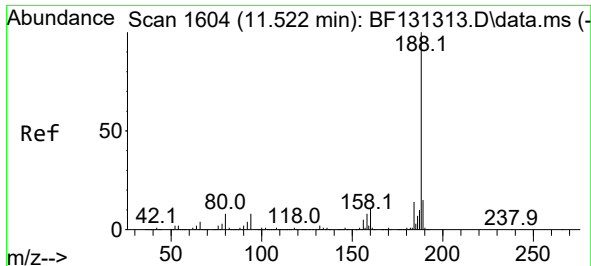
Tgt Ion:165 Resp: 21251
Ion Ratio Lower Upper
165 100
63 1.1 62.0 93.0#
89 2.0 54.4 81.6#



#57
2,4-Dinitrotoluene
Concen: 7.294 ng
RT: 10.010 min Scan# 1347
Delta R.T. -0.183 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

Tgt Ion:165 Resp: 21251
Ion Ratio Lower Upper
165 100
63 1.1 43.4 65.2#
89 2.0 64.0 96.0#
182 0.0 2.3 3.5#

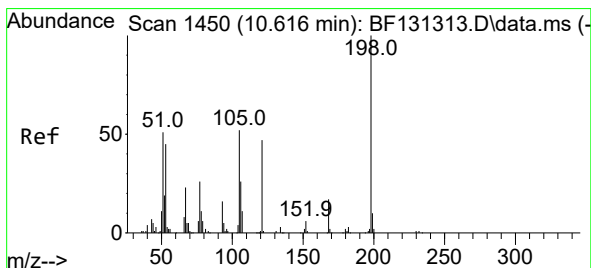
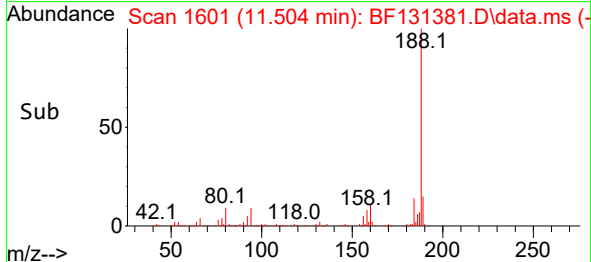
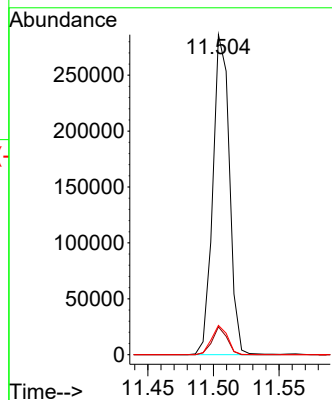
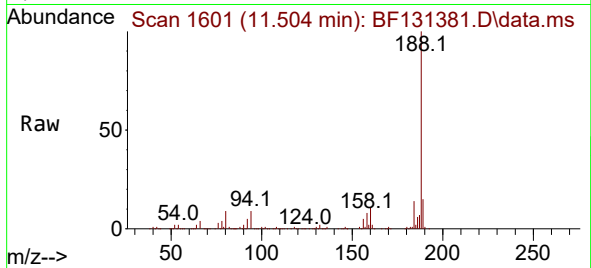




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

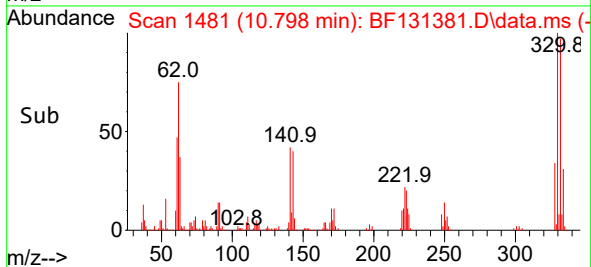
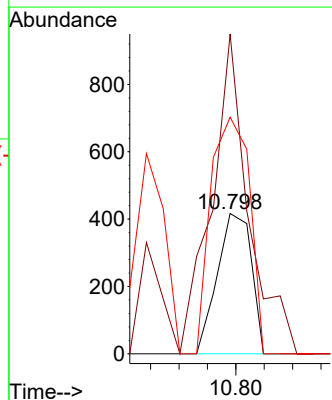
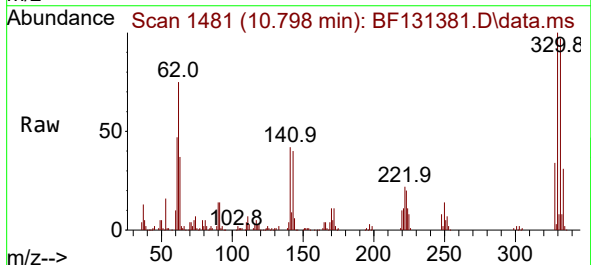
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-7

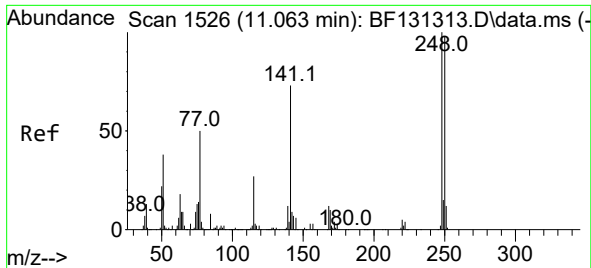
Tgt Ion:188 Resp: 252034
Ion Ratio Lower Upper
188 100
94 8.7 6.3 9.5
80 9.1 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 4.933 ng
RT: 10.798 min Scan# 1481
Delta R.T. 0.194 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

Tgt Ion:198 Resp: 347
Ion Ratio Lower Upper
198 100
51 227.8 50.1 90.1#
105 168.6 32.5 72.5#

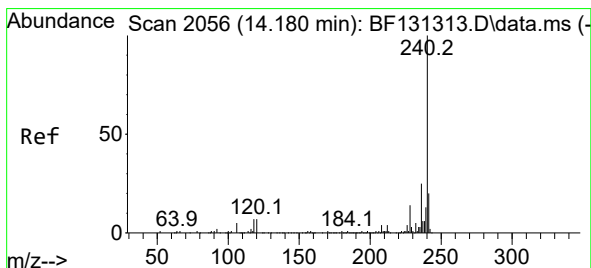
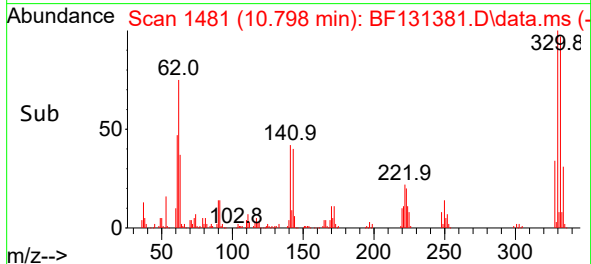
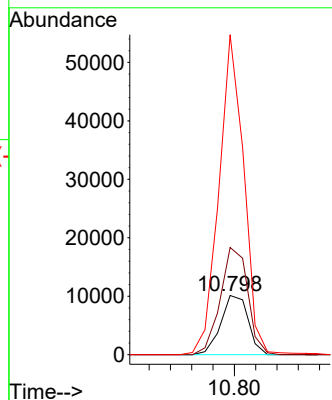
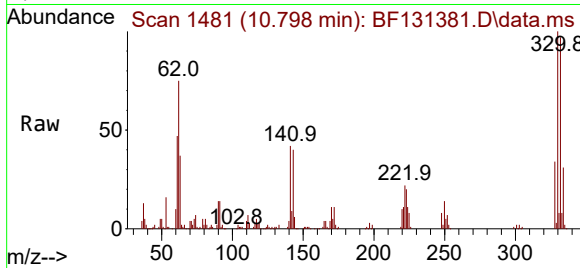




#67
4-Bromophenyl-phenylether
Concen: 2.926 ng
RT: 10.798 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

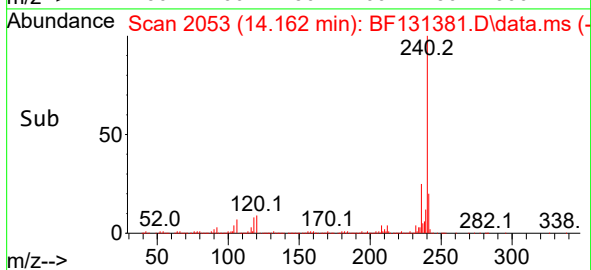
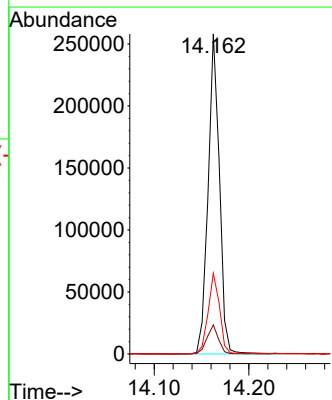
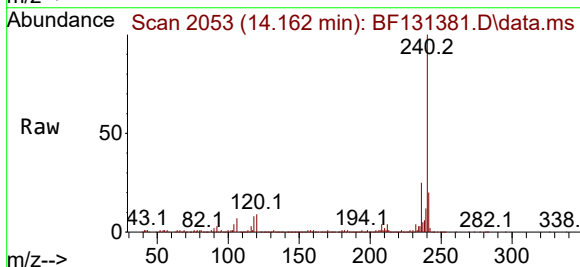
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-7

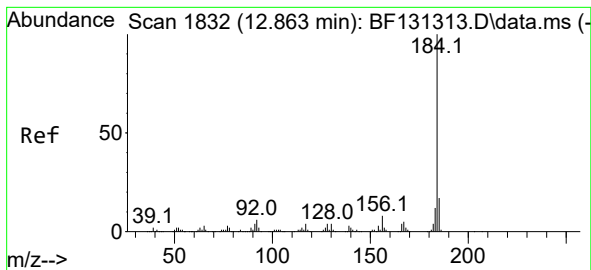
Tgt Ion:248 Resp: 9038
Ion Ratio Lower Upper
248 100
250 181.1 78.3 117.5#
141 540.6 58.0 87.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.162 min Scan# 2053
Delta R.T. -0.000 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

Tgt Ion:240 Resp: 213461
Ion Ratio Lower Upper
240 100
120 9.1 5.8 8.8#
236 25.2 20.3 30.5





#77

Benzidine

Concen: 2.112 ng

RT: 13.104 min Scan# 1873

Delta R.T. 0.259 min

Lab File: BF131381.D

Acq: 24 Nov 2022 01:56

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-7

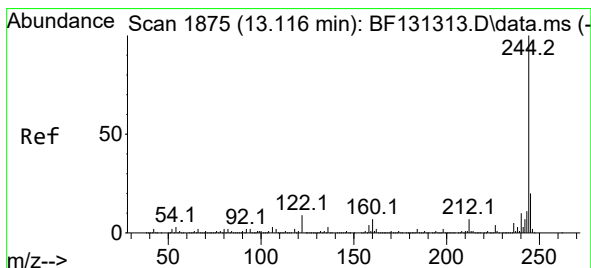
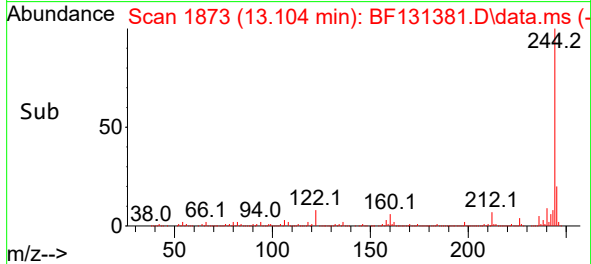
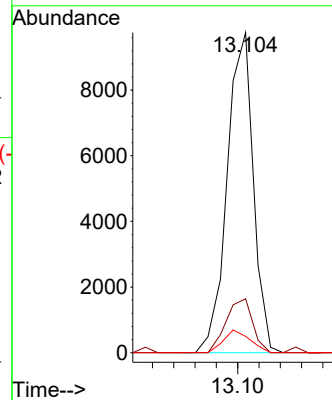
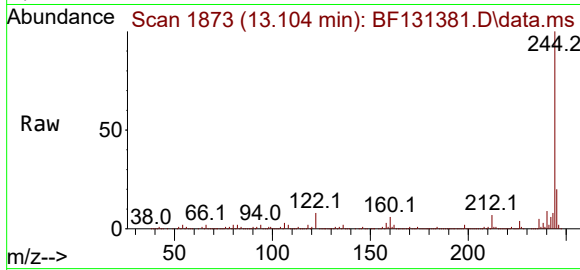
Tgt Ion:184 Resp: 8328

Ion Ratio Lower Upper

184 100

185 16.8 13.8 20.8

183 5.1 9.6 14.4#



#79

Terphenyl-d14

Concen: 47.761 ng

RT: 13.104 min Scan# 1873

Delta R.T. 0.006 min

Lab File: BF131381.D

Acq: 24 Nov 2022 01:56

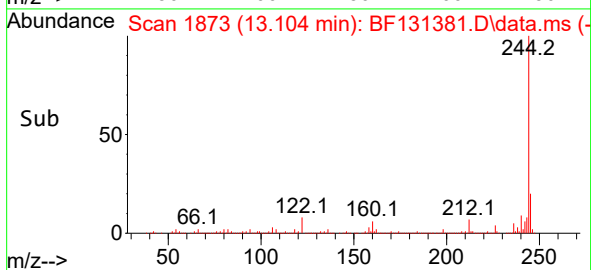
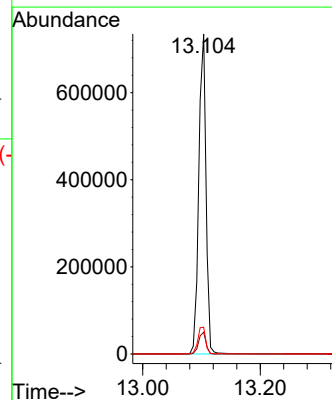
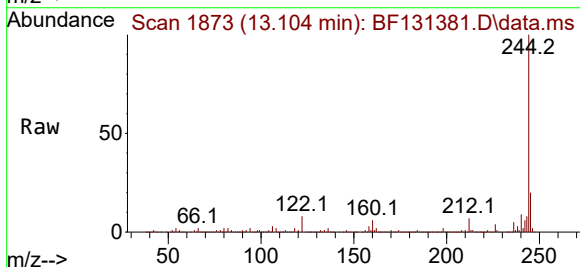
Tgt Ion:244 Resp: 623455

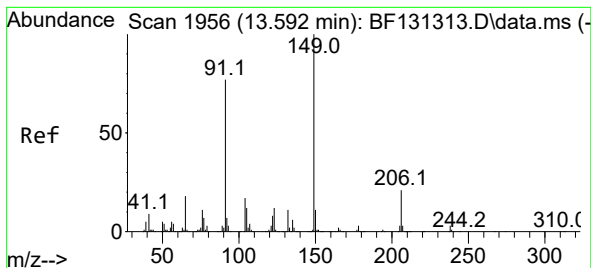
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 8.3 7.5 11.3





#80

Butylbenzylphthalate

Concen: 4.190 ng

RT: 13.580 min Scan# 1954

Delta R.T. 0.006 min

Lab File: BF131381.D

Acq: 24 Nov 2022 01:56

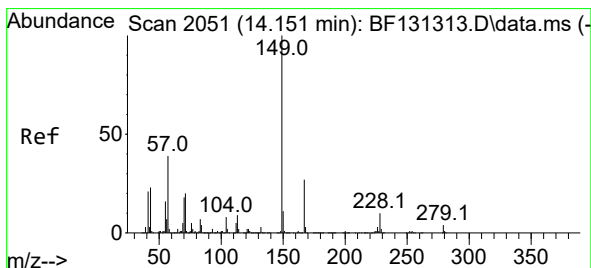
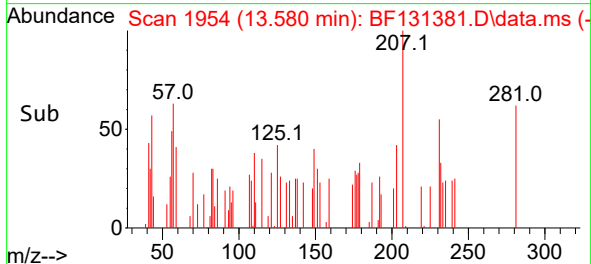
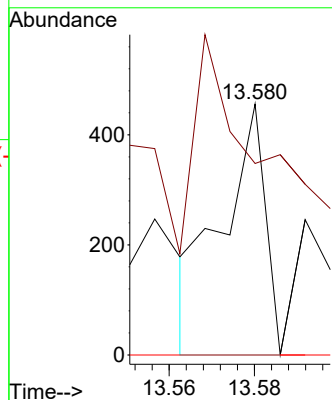
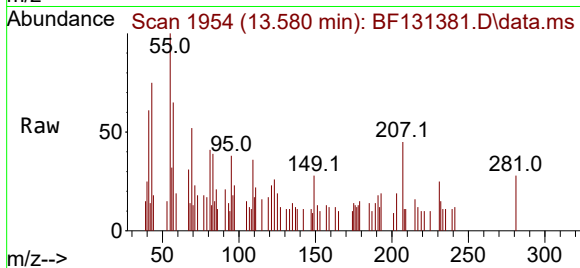
Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-7

Tgt Ion:	149	Resp:	319
Ion	Ratio	Lower	Upper
149	100		
91	76.3	61.9	92.9
206	0.0	16.5	24.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.951 ng

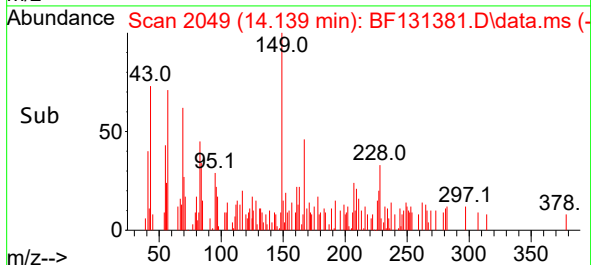
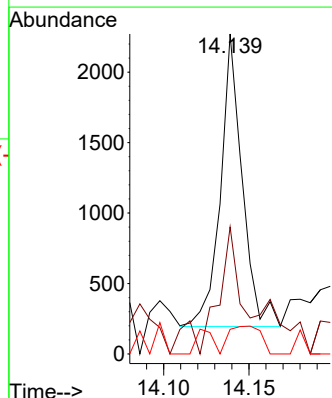
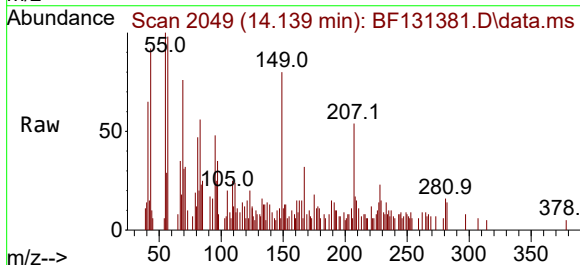
RT: 14.139 min Scan# 2049

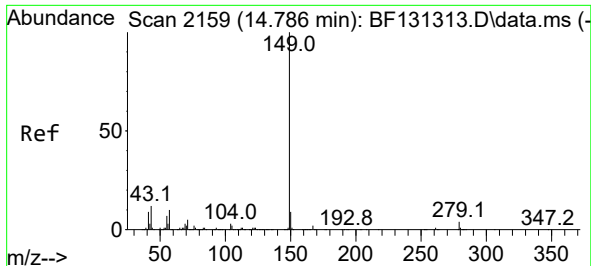
Delta R.T. 0.006 min

Lab File: BF131381.D

Acq: 24 Nov 2022 01:56

Tgt Ion:	149	Resp:	1845
Ion	Ratio	Lower	Upper
149	100		
167	39.7	21.9	32.9#
279	7.7	3.0	4.4#

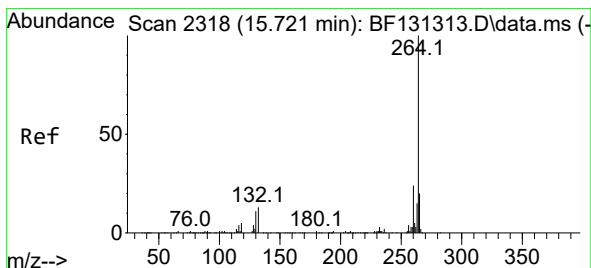
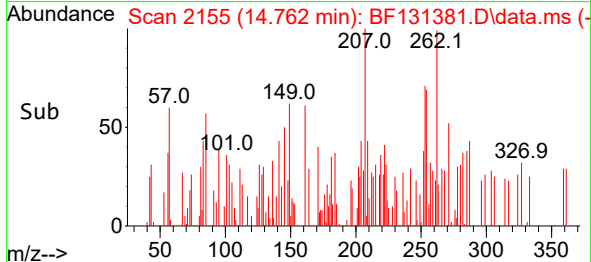
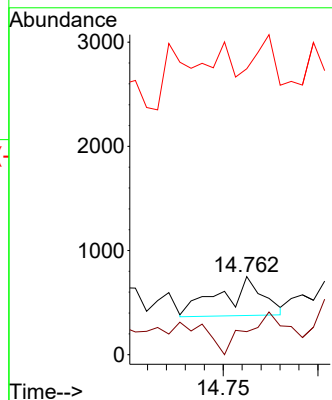
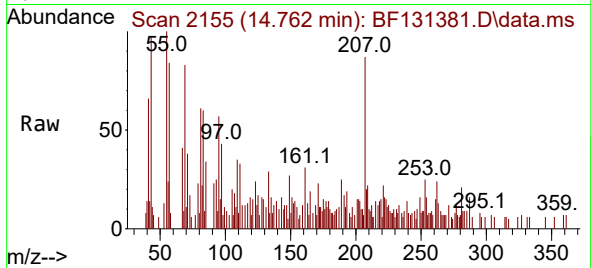




#85
Di-n-octyl phthalate
Concen: 3.958 ng
RT: 14.762 min Scan# 2159
Delta R.T. -0.000 min
Lab File: BF131381.D
Acq: 24 Nov 2022 01:56

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-7

Tgt Ion:149 Resp: 588
Ion Ratio Lower Upper
149 100
167 110.2 1.2 1.8#
43 68.0 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: BF131381.D
Acq: 24 Nov 2022 01:56

Tgt Ion:264 Resp: 154037
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.4
265 21.9 16.4 24.6

