

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112222\
 Data File : BF131351.D
 Acq On : 23 Nov 2022 02:31
 Operator : CG\JU
 Sample : N5641-12
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-12

Quant Time: Nov 23 04:23:07 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 22 01:17:52 2022
 Response via : Initial Calibration

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

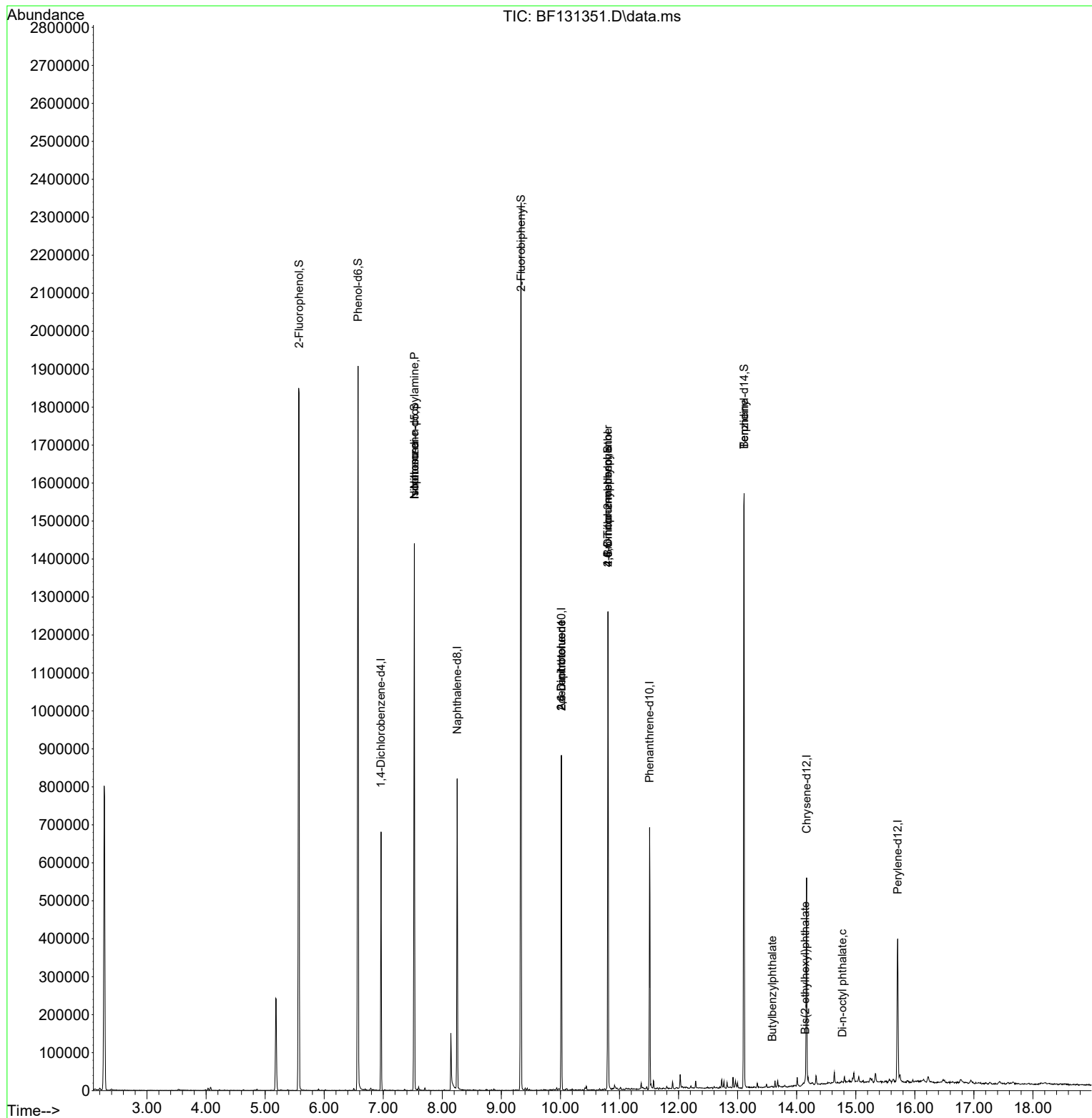
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	85224	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	303778	20.000	ng	0.00
39) Acenaphthene-d10	10.016	164	159486	20.000	ng	-0.01
64) Phenanthrene-d10	11.510	188	234951	20.000	ng	-0.01
76) Chrysene-d12	14.168	240	181761	20.000	ng	-0.01
86) Perylene-d12	15.710	264	180733	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	492917	110.078	ng	0.00
7) Phenol-d6	6.575	99	612944	107.284	ng	-0.01
23) Nitrobenzene-d5	7.528	82	394664	65.490	ng	-0.01
42) 2,4,6-Tribromophenol	10.804	330	131569	98.056	ng	-0.01
45) 2-Fluorobiphenyl	9.333	172	710388	64.801	ng	0.00
79) Terphenyl-d14	13.110	244	572979	51.550	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.516	77	138	Below Cal	#	44
19) n-Nitroso-di-n-propyla...	7.528	70	54006	12.913	ng	# 73
25) Isophorone	7.528	82	394658	36.707	ng	# 68
51) 2,6-Dinitrotoluene	10.016	165	20277	9.125	ng	# 15
57) 2,4-Dinitrotoluene	10.016	165	20277	7.252	ng	# 19
65) 4,6-Dinitro-2-methylph...	10.804	198	254	4.856	ng	# 1
67) 4-Bromophenyl-phenylether	10.804	248	8608	2.989	ng	# 1
77) Benzidine	13.110	184	7257	2.162	ng	# 91
80) Butylbenzylphthalate	13.586	149	183	4.175	ng	# 29
84) Bis(2-ethylhexyl)phtha...	14.145	149	2576	4.081	ng	# 80
85) Di-n-octyl phthalate	14.774	149	381	3.944	ng	# 1

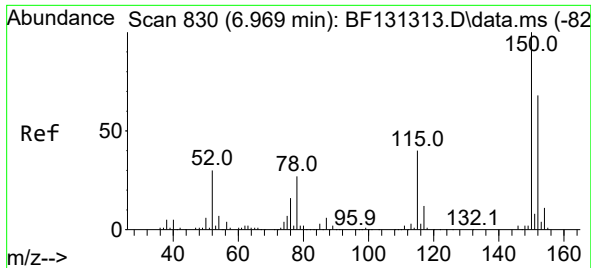
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Nov 22 01:17:52 2022
Response via : Initial Calibration

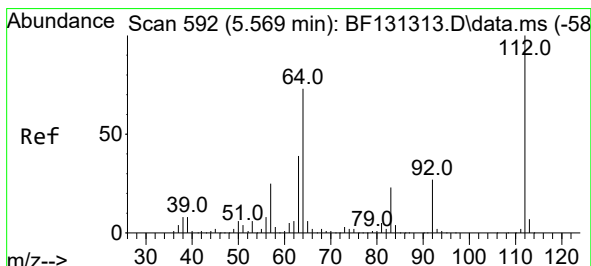
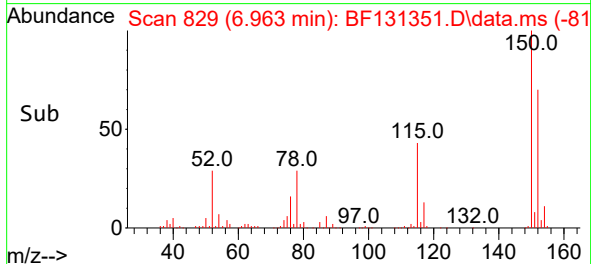
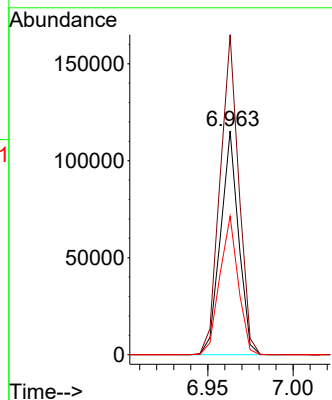
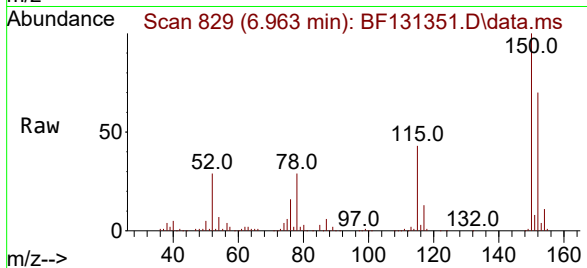




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

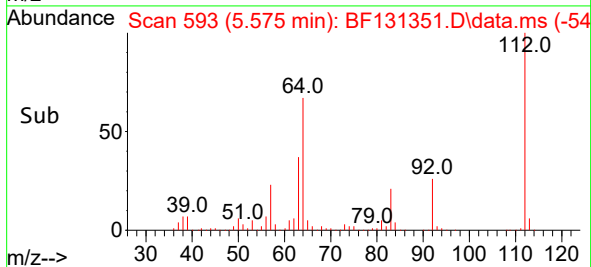
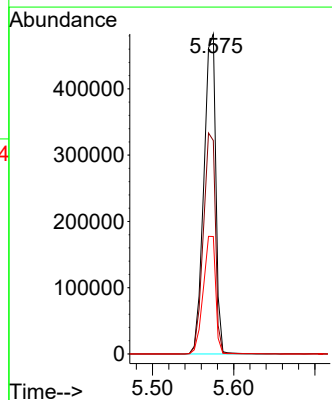
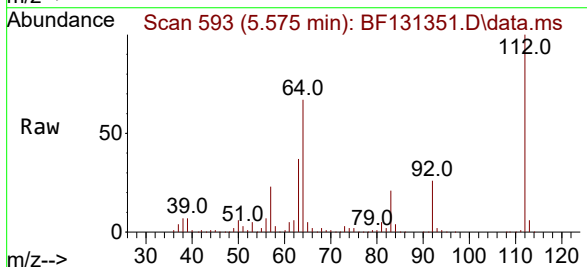
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-12

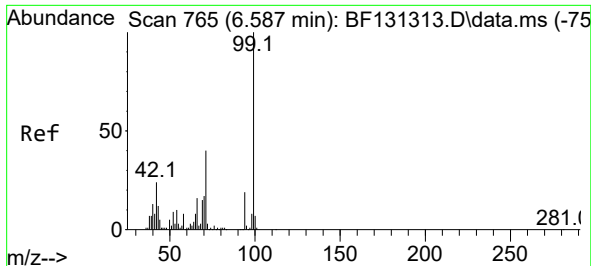
Tgt Ion:152 Resp: 85224
Ion Ratio Lower Upper
152 100
150 143.1 117.8 176.8
115 61.9 47.1 70.7



#5
2-Fluorophenol
Concen: 110.078 ng
RT: 5.575 min Scan# 593
Delta R.T. 0.006 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

Tgt Ion:112 Resp: 492917
Ion Ratio Lower Upper
112 100
64 66.7 58.6 88.0
63 36.7 31.4 47.0

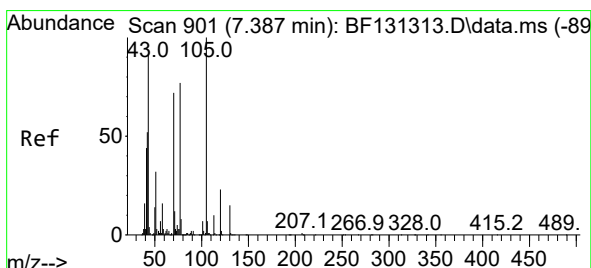
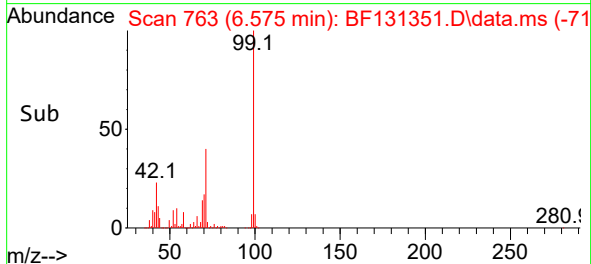
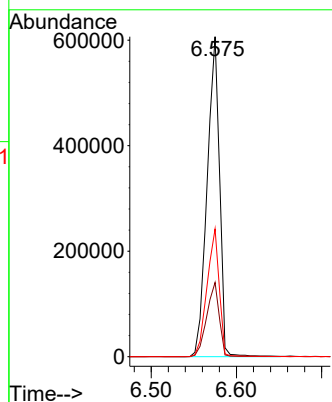
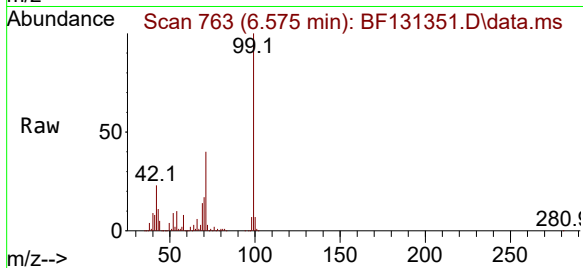




#7
Phenol-d6
Concen: 107.284 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

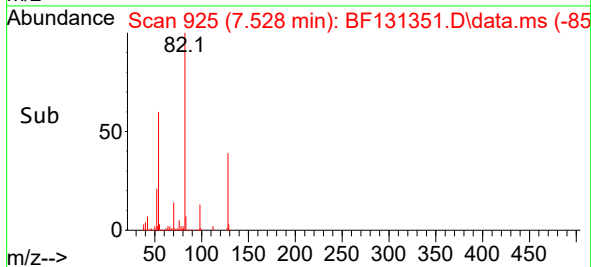
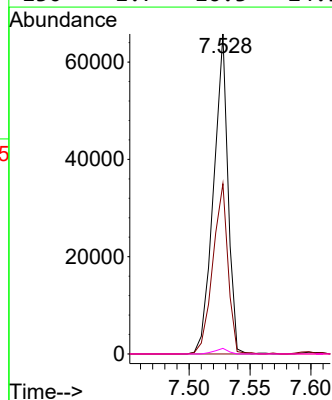
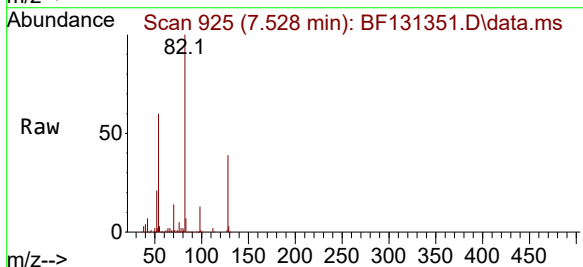
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-12

Tgt Ion: 99 Resp: 612944
Ion Ratio Lower Upper
99 100
42 23.2 19.4 29.2
71 39.9 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 12.913 ng
RT: 7.528 min Scan# 925
Delta R.T. 0.141 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

Tgt Ion: 70 Resp: 54006
Ion Ratio Lower Upper
70 100
42 53.2 57.6 86.4#
101 0.0 8.2 12.2#
130 1.7 16.3 24.5#



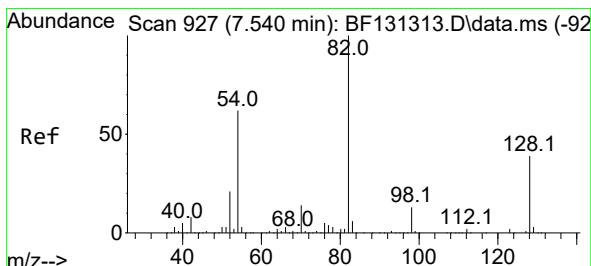
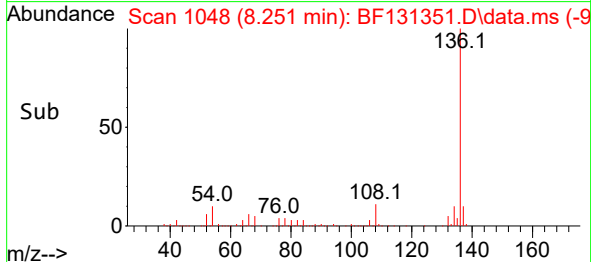
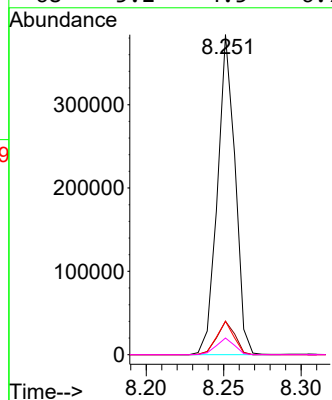
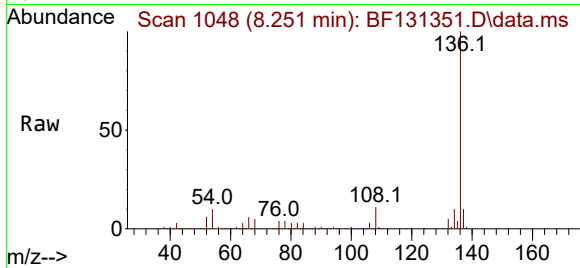


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-12

Tgt Ion:136 Resp: 303778

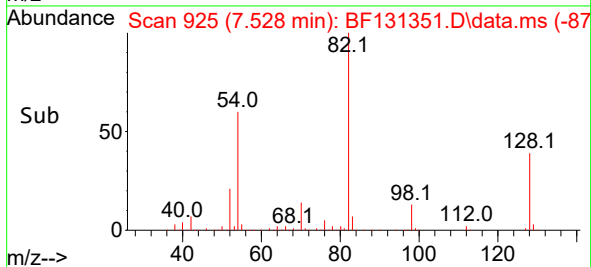
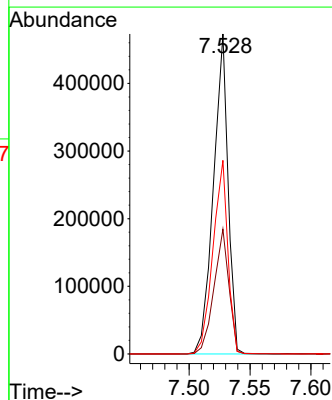
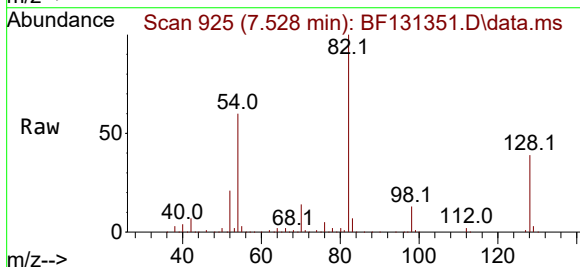
Ion	Ratio	Lower	Upper
136	100		
137	10.4	9.0	13.6
54	10.4	9.4	14.0
68	5.2	4.5	6.7



#23
Nitrobenzene-d5
Concen: 65.490 ng
RT: 7.528 min Scan# 925
Delta R.T. -0.012 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

Tgt Ion: 82 Resp: 394664

Ion	Ratio	Lower	Upper
82	100		
128	39.0	31.4	47.0
54	60.5	49.8	74.6

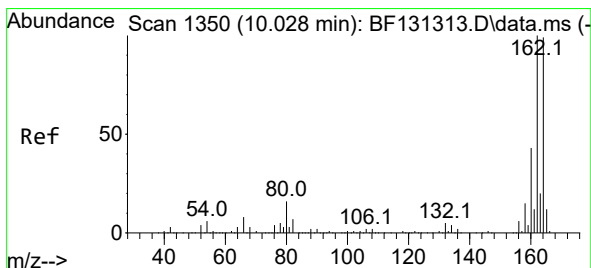
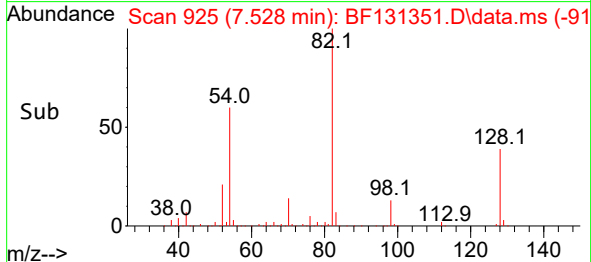
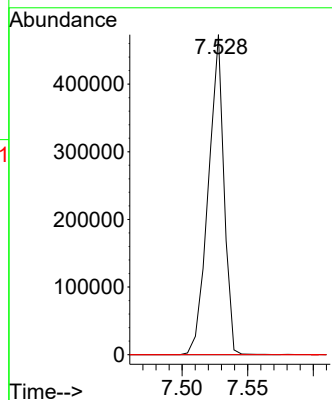
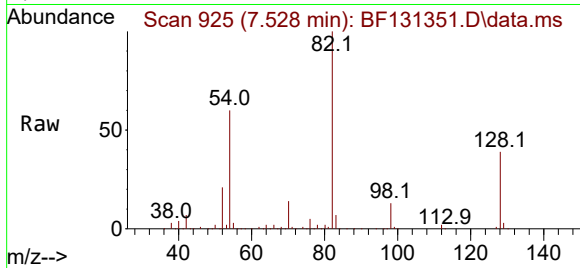




#25
Isophorone
Concen: 36.707 ng
RT: 7.528 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

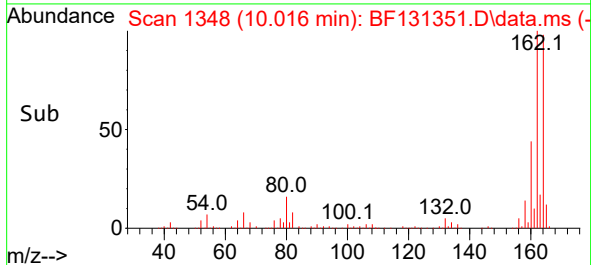
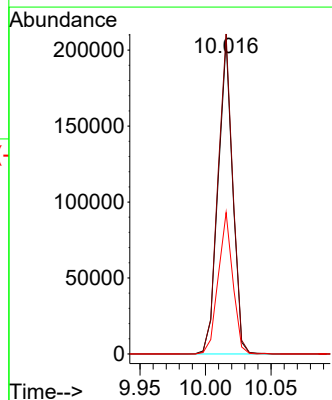
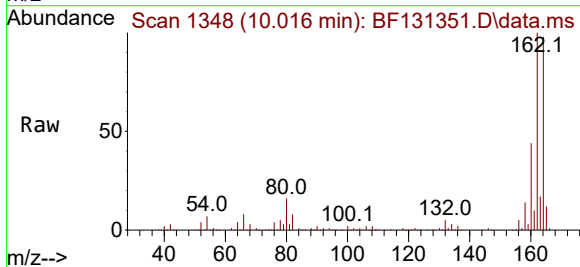
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-12

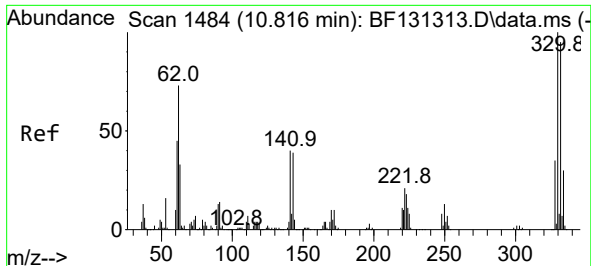
Tgt Ion: 82 Resp: 394658
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.012 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

Tgt Ion:164 Resp: 159486
Ion Ratio Lower Upper
164 100
162 102.1 80.6 120.8
160 45.1 34.4 51.6





#42

2,4,6-Tribromophenol

Concen: 98.056 ng

RT: 10.804 min Scan# 1482

Delta R.T. -0.012 min

Lab File: BF131351.D

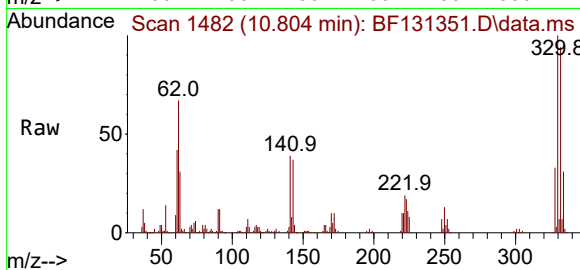
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Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-12



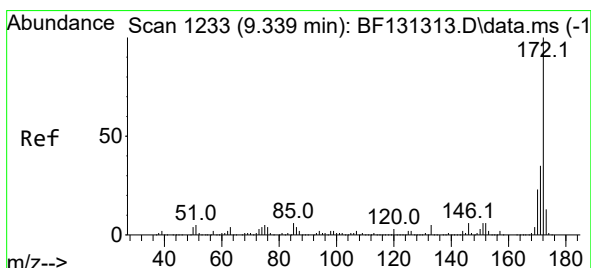
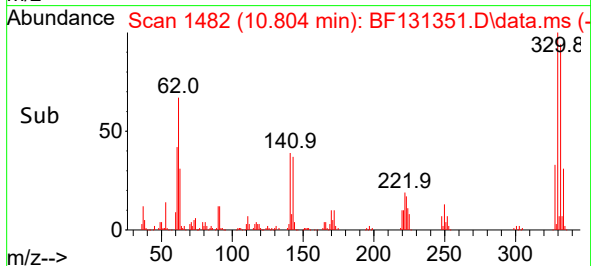
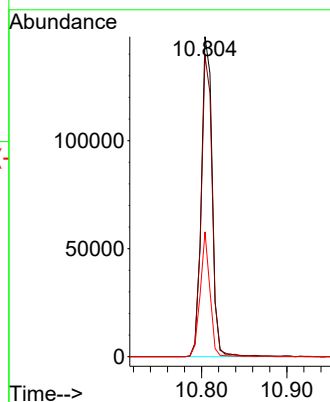
Tgt Ion:330 Resp: 131569

Ion Ratio Lower Upper

330 100

332 94.5 77.5 116.3

141 34.6 29.3 43.9



#45

2-Fluorobiphenyl

Concen: 64.801 ng

RT: 9.333 min Scan# 1232

Delta R.T. -0.006 min

Lab File: BF131351.D

Acq: 23 Nov 2022 02:31

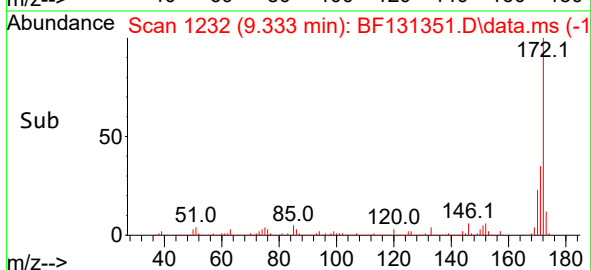
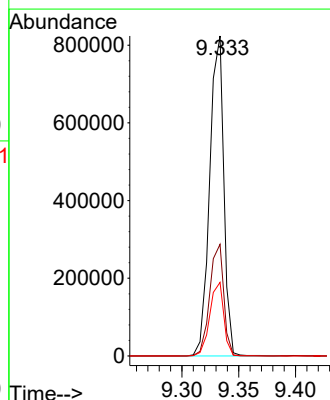
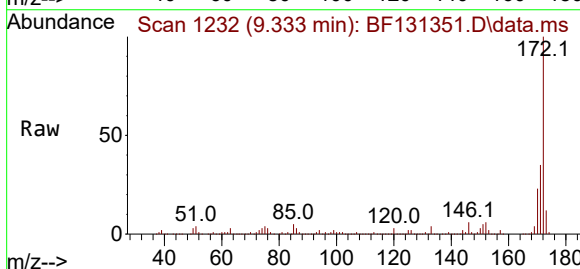
Tgt Ion:172 Resp: 710388

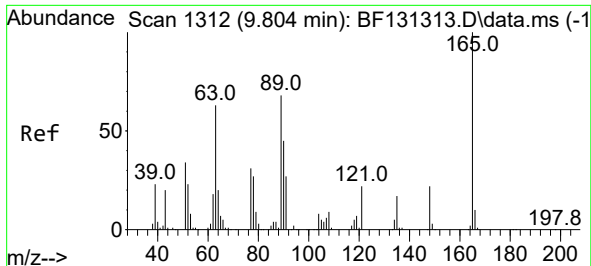
Ion Ratio Lower Upper

172 100

171 34.9 28.2 42.2

170 23.0 18.7 28.1

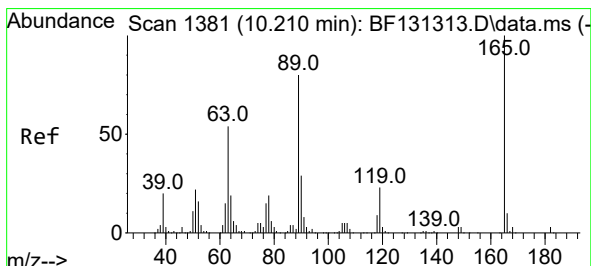
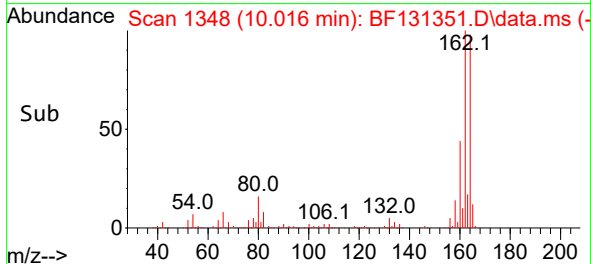
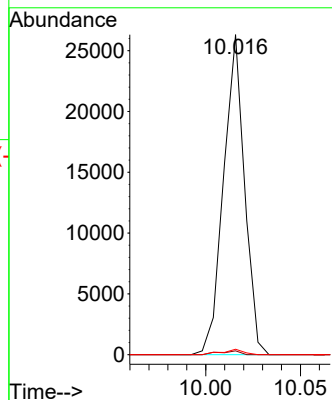
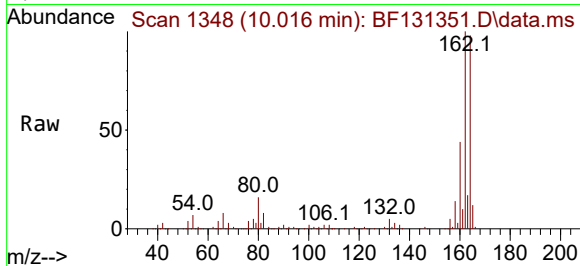




#51
2,6-Dinitrotoluene
Concen: 9.125 ng
RT: 10.016 min Scan# 1312
Delta R.T. 0.212 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

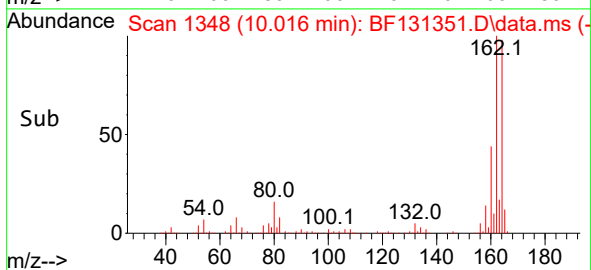
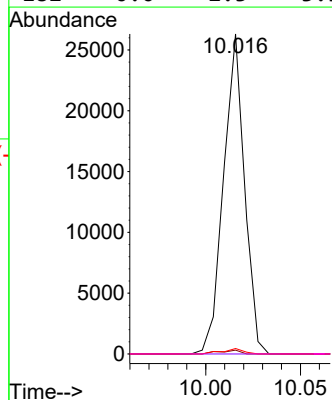
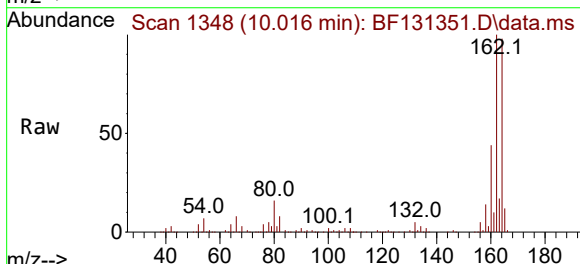
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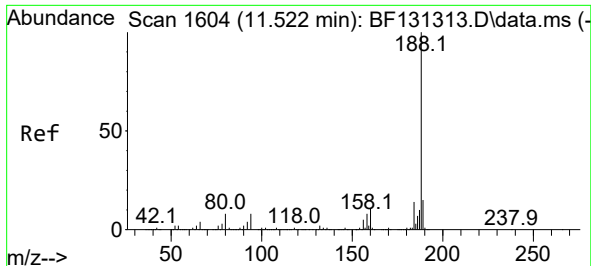
Tgt Ion:165 Resp: 20277
Ion Ratio Lower Upper
165 100
63 1.2 62.0 93.0#
89 1.7 54.4 81.6#



#57
2,4-Dinitrotoluene
Concen: 7.252 ng
RT: 10.016 min Scan# 1348
Delta R.T. -0.194 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

Tgt Ion:165 Resp: 20277
Ion Ratio Lower Upper
165 100
63 1.2 43.4 65.2#
89 1.7 64.0 96.0#
182 0.0 2.3 3.5#

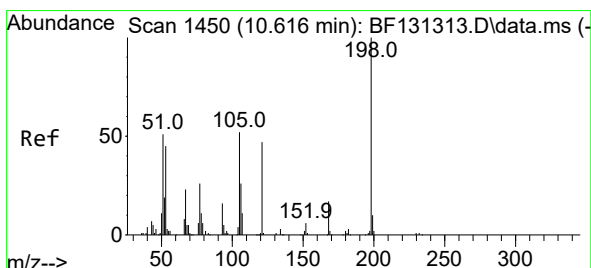
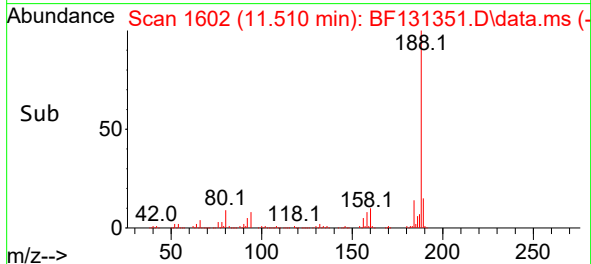
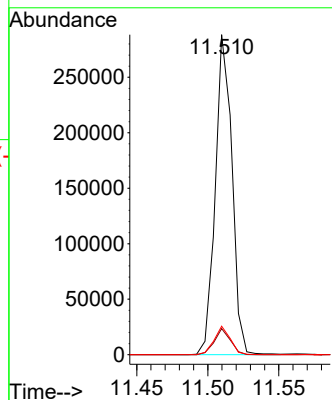
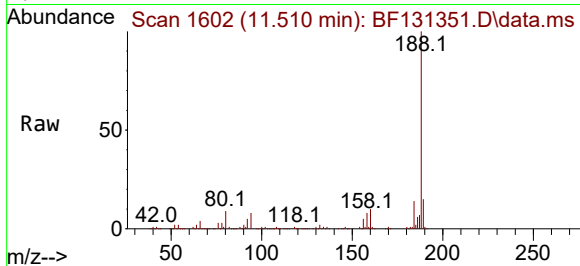




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.510 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

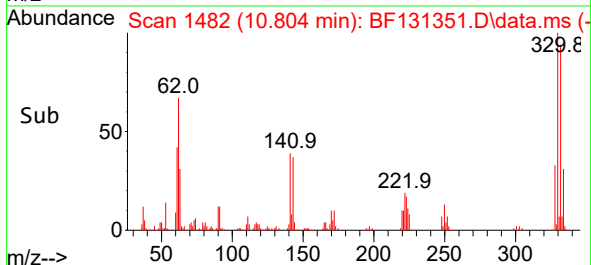
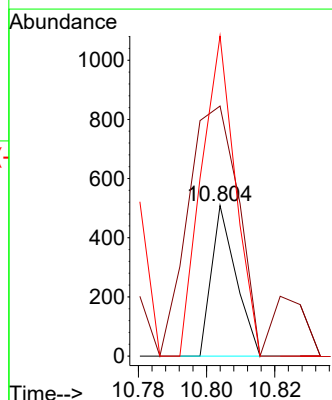
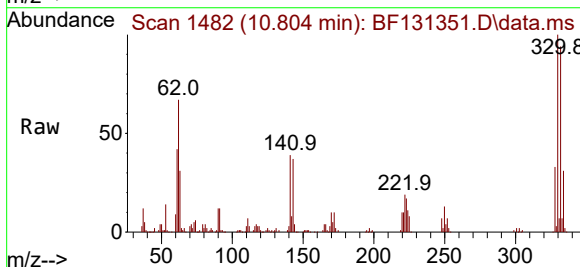
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-12

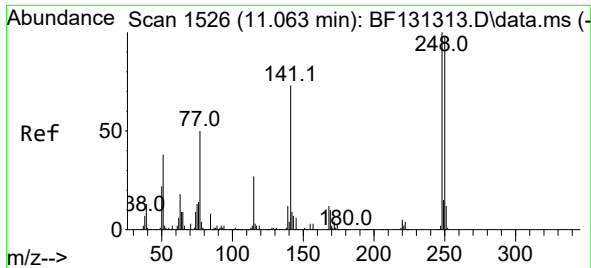
Tgt Ion:188 Resp: 234951
Ion Ratio Lower Upper
188 100
94 8.2 6.3 9.5
80 8.9 6.8 10.2



#65
4,6-Dinitro-2-methylphenol
Concen: 4.856 ng
RT: 10.804 min Scan# 1482
Delta R.T. 0.188 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

Tgt Ion:198 Resp: 254
Ion Ratio Lower Upper
198 100
51 166.0 50.1 90.1#
105 212.6 32.5 72.5#

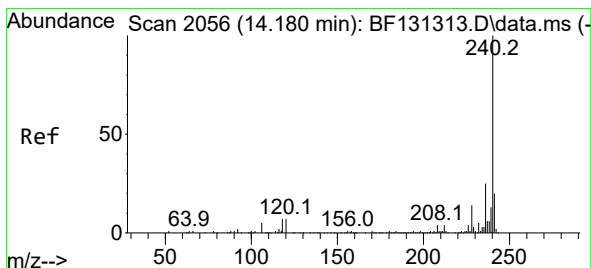
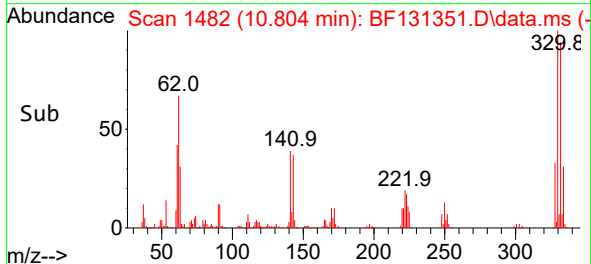
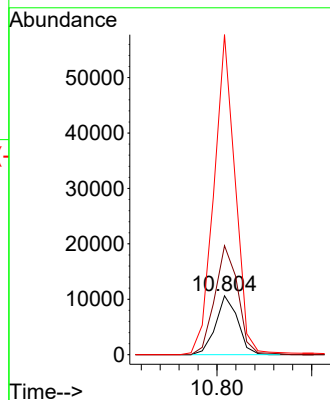
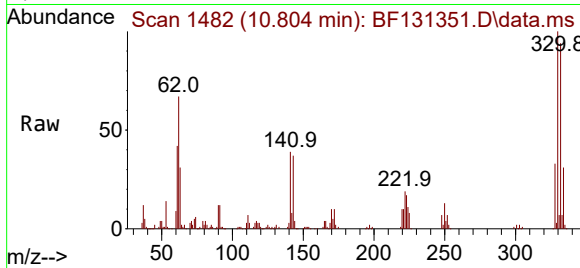




#67
4-Bromophenyl-phenylether
Concen: 2.989 ng
RT: 10.804 min Scan# 141
Delta R.T. -0.259 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

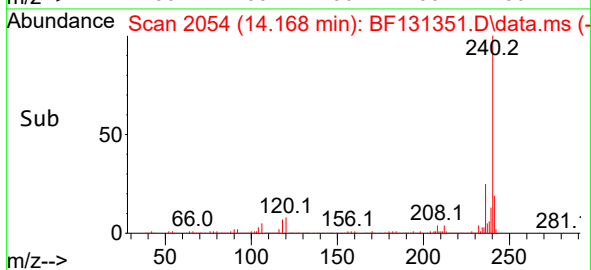
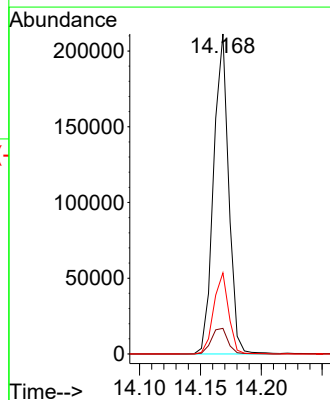
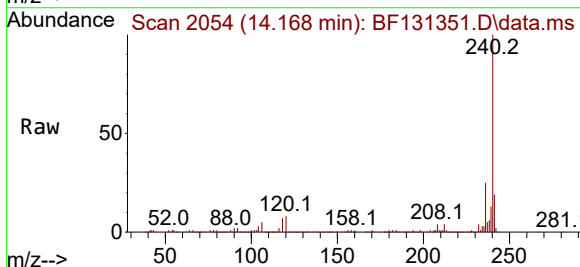
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-12

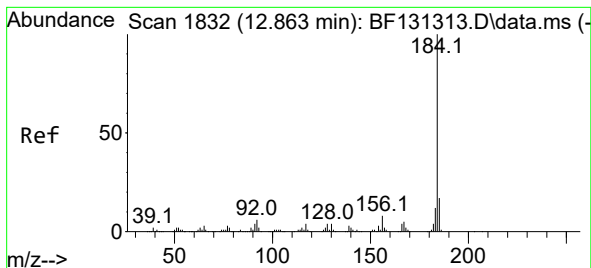
Tgt Ion:248 Resp: 8608
Ion Ratio Lower Upper
248 100
250 184.8 78.3 117.5#
141 543.0 58.0 87.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.168 min Scan# 2054
Delta R.T. -0.012 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

Tgt Ion:240 Resp: 181761
Ion Ratio Lower Upper
240 100
120 8.0 5.8 8.8
236 25.4 20.3 30.5





#77

Benzidine

Concen: 2.162 ng

RT: 13.110 min Scan# 1874

Delta R.T. 0.247 min

Lab File: BF131351.D

Acq: 23 Nov 2022 02:31

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-12

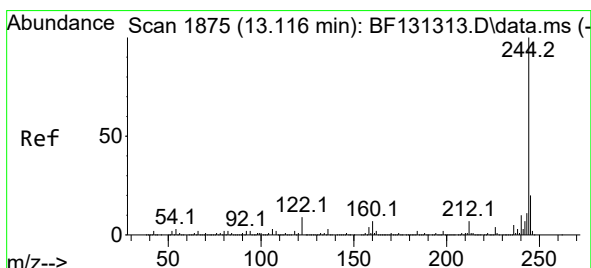
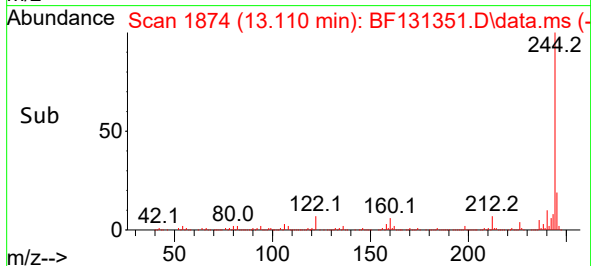
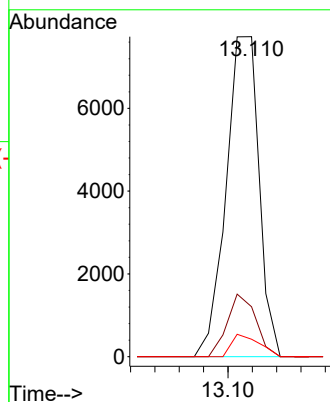
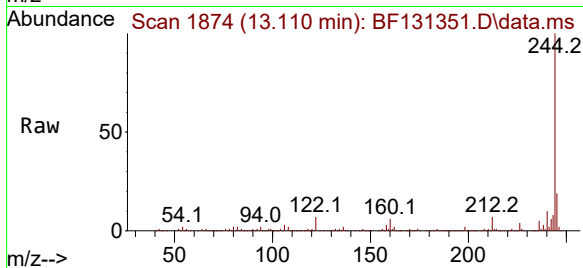
Tgt Ion:184 Resp: 7257

Ion Ratio Lower Upper

184 100

185 15.6 13.8 20.8

183 5.5 9.6 14.4#



#79

Terphenyl-d14

Concen: 51.550 ng

RT: 13.110 min Scan# 1874

Delta R.T. -0.006 min

Lab File: BF131351.D

Acq: 23 Nov 2022 02:31

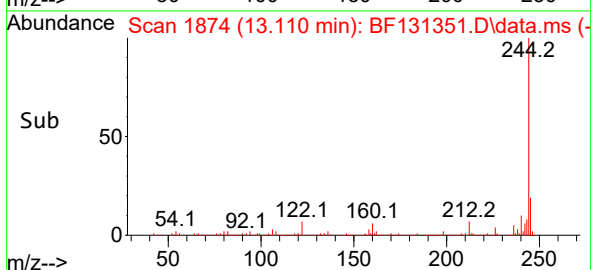
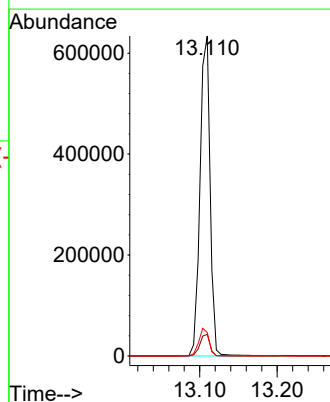
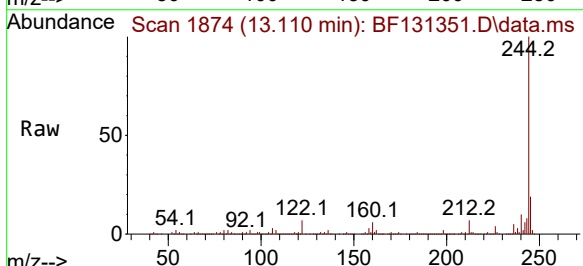
Tgt Ion:244 Resp: 572979

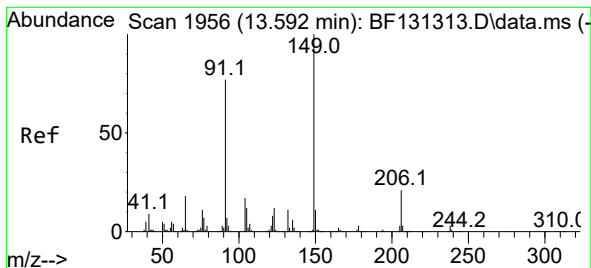
Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

122 7.4 7.5 11.3#





#80

Butylbenzylphthalate

Concen: 4.175 ng

RT: 13.586 min Scan# 1956

Delta R.T. -0.006 min

Lab File: BF131351.D

Acq: 23 Nov 2022 02:31

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-12

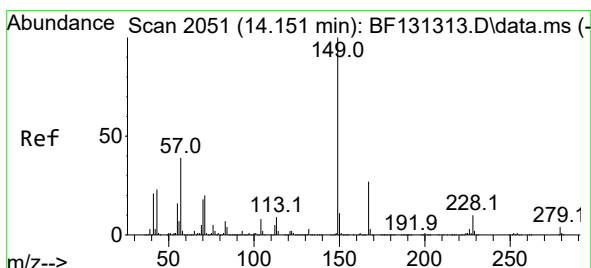
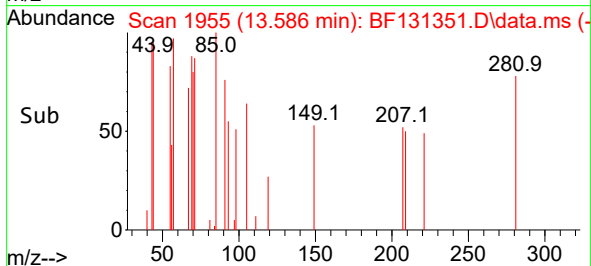
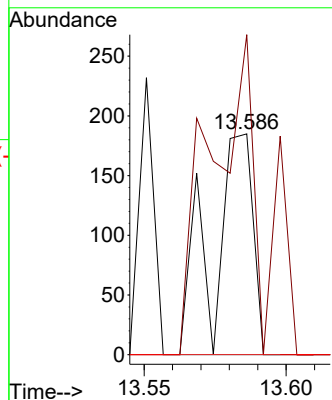
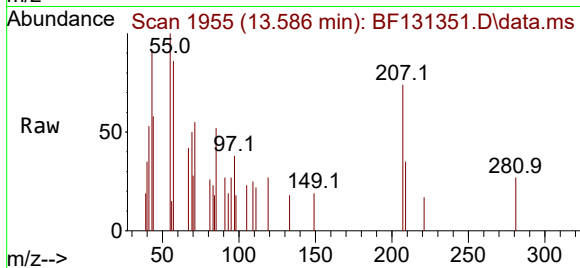
Tgt Ion:149 Resp: 183

Ion Ratio Lower Upper

149 100

91 144.9 61.9 92.9#

206 0.0 16.5 24.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.081 ng

RT: 14.145 min Scan# 2050

Delta R.T. -0.006 min

Lab File: BF131351.D

Acq: 23 Nov 2022 02:31

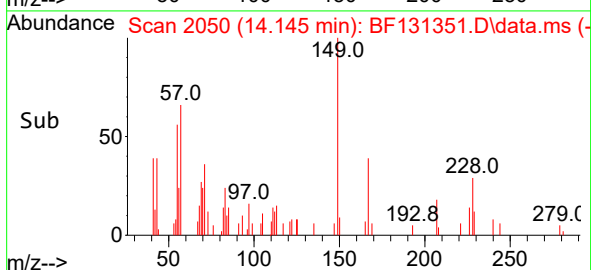
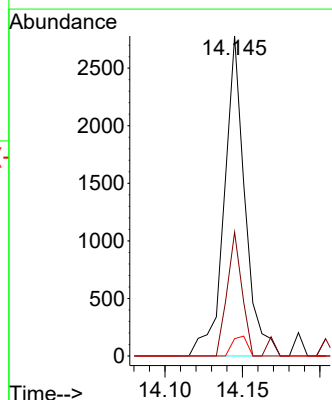
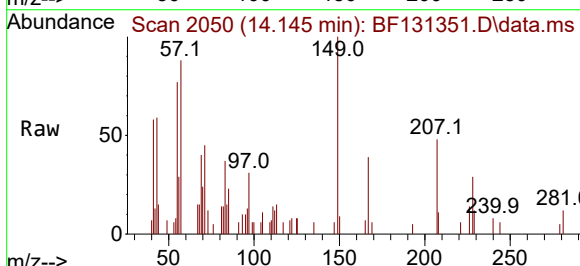
Tgt Ion:149 Resp: 2576

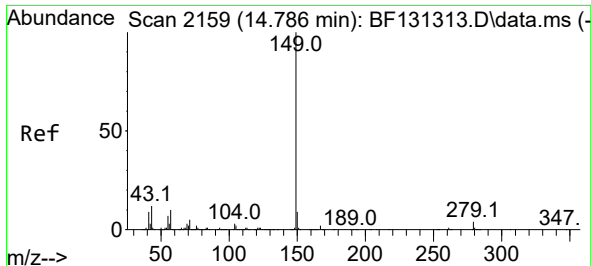
Ion Ratio Lower Upper

149 100

167 38.7 21.9 32.9#

279 5.4 3.0 4.4#

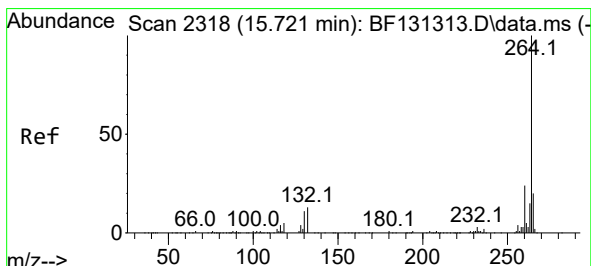
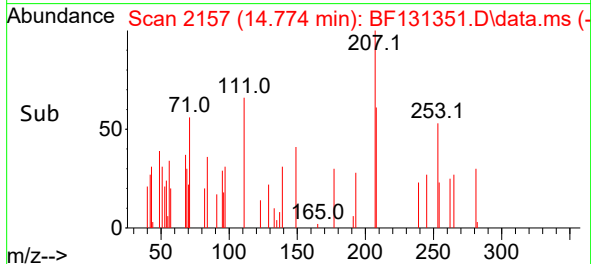
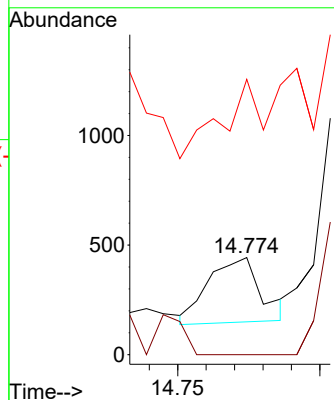
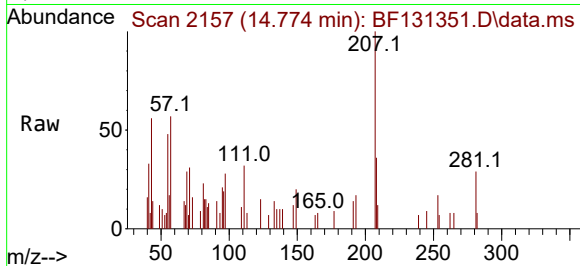




#85
Di-n-octyl phthalate
Concen: 3.944 ng
RT: 14.774 min Scan# 2159
Delta R.T. -0.012 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-12

Tgt Ion:149 Resp: 381
Ion Ratio Lower Upper
149 100
167 0.0 1.2 1.8#
43 168.0 10.7 16.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.710 min Scan# 2316
Delta R.T. -0.012 min
Lab File: BF131351.D
Acq: 23 Nov 2022 02:31

Tgt Ion:264 Resp: 180733
Ion Ratio Lower Upper
264 100
260 23.8 19.0 28.4
265 22.0 16.4 24.6

