

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112322\
 Data File : BF131359.D
 Acq On : 23 Nov 2022 12:56
 Operator : CG\JU
 Sample : N5641-09RE
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-9

Quant Time: Nov 24 05:50:41 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 05:48:25 2022
 Response via : Initial Calibration

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

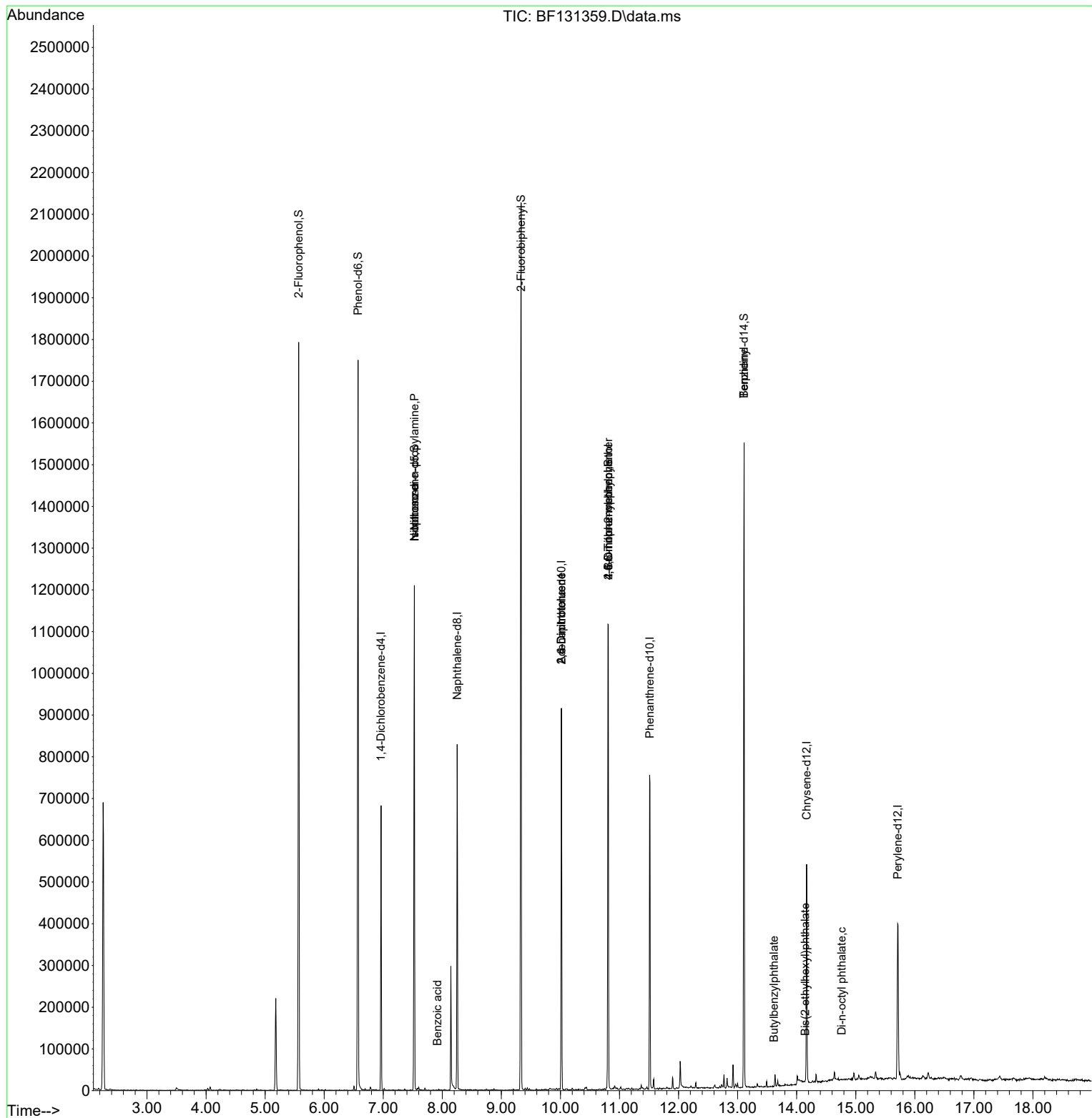
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	86264	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	307906	20.000	ng	0.00
39) Acenaphthene-d10	10.016	164	169755	20.000	ng	0.00
64) Phenanthrene-d10	11.516	188	279745	20.000	ng	0.00
76) Chrysene-d12	14.168	240	165044	20.000	ng	0.00
86) Perylene-d12	15.709	264	189655	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	412821	91.079	ng	0.00
7) Phenol-d6	6.575	99	510351	88.250	ng	0.00
23) Nitrobenzene-d5	7.528	82	329629	53.965	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	131327	91.955	ng	0.00
45) 2-Fluorobiphenyl	9.333	172	610601	52.329	ng	0.00
79) Terphenyl-d14	13.110	244	519263	51.449	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.575	77	949	Below Cal	#	4
19) n-Nitroso-di-n-propyla...	7.528	70	45159	10.667	ng	# 73
25) Isophorone	7.528	82	329624	30.247	ng	# 68
32) Benzoic acid	7.916	122	123	5.182	ng	# 1
51) 2,6-Dinitrotoluene	10.016	165	21052	8.900	ng	# 16
57) 2,4-Dinitrotoluene	10.016	165	21052	7.074	ng	# 20
65) 4,6-Dinitro-2-methylph...	10.810	198	239	4.796	ng	# 1
67) 4-Bromophenyl-phenylether	10.810	248	8783	2.562	ng	# 1
77) Benzidine	13.110	184	7111	2.333	ng	# 91
80) Butylbenzylphthalate	13.615	149	58	4.154	ng	# 75
84) Bis(2-ethylhexyl)phtha...	14.145	149	1622	3.979	ng	# 98
85) Di-n-octyl phthalate	14.762	149	434	3.955	ng	# 1

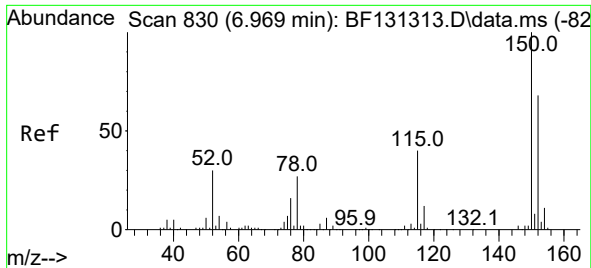
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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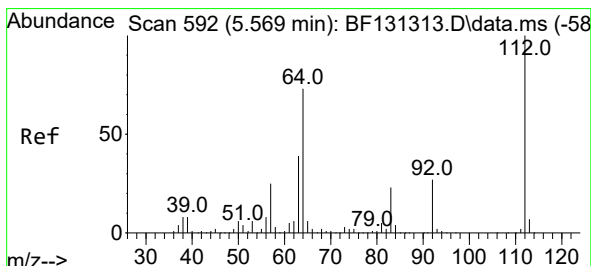
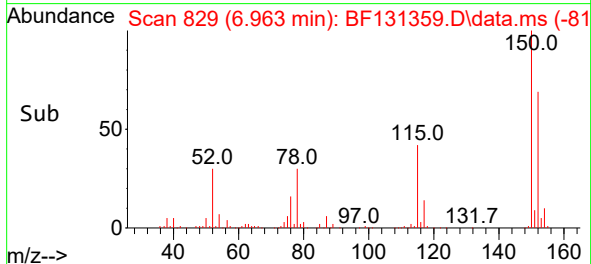
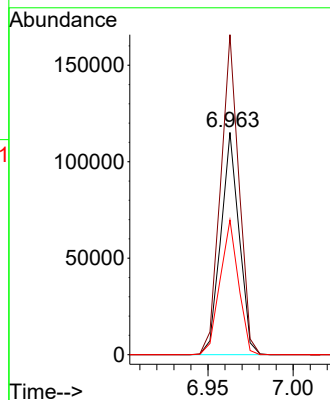
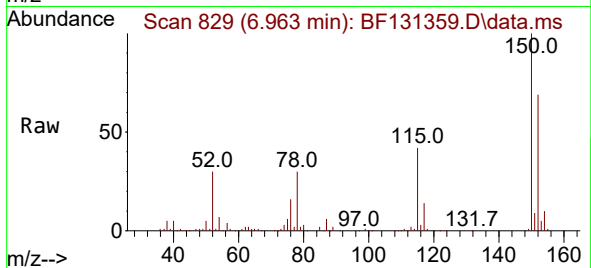




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

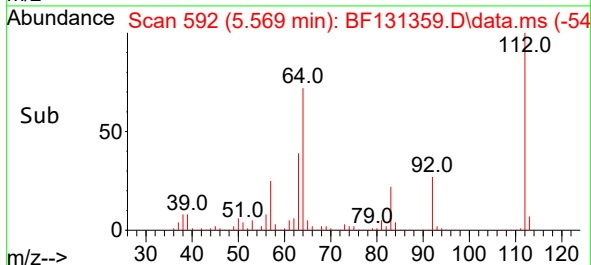
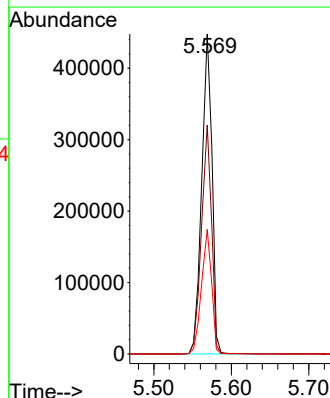
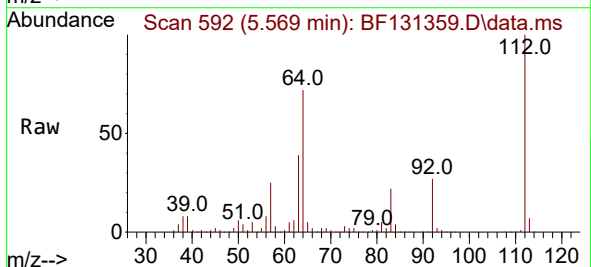
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-9

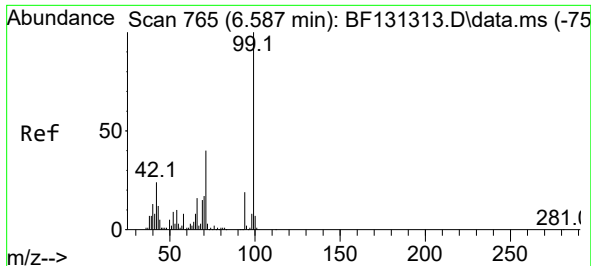
Tgt Ion:152 Resp: 86264
Ion Ratio Lower Upper
152 100
150 144.0 117.8 176.8
115 60.6 47.1 70.7



#5
2-Fluorophenol
Concen: 91.079 ng
RT: 5.569 min Scan# 592
Delta R.T. -0.000 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

Tgt Ion:112 Resp: 412821
Ion Ratio Lower Upper
112 100
64 71.5 58.6 88.0
63 38.9 31.4 47.0

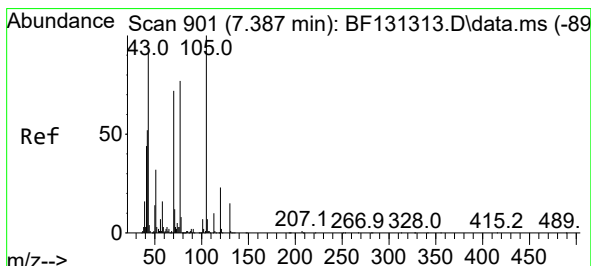
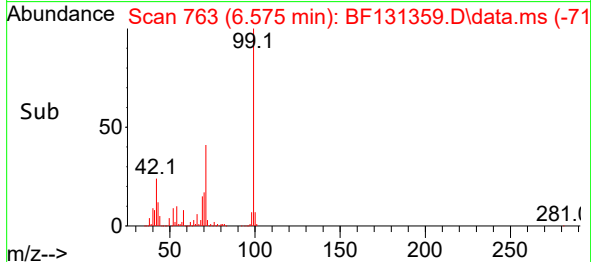
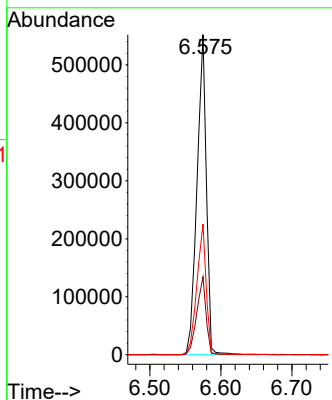
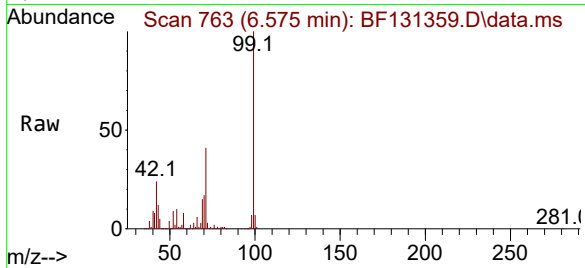




#7
Phenol-d6
Concen: 88.250 ng
RT: 6.575 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

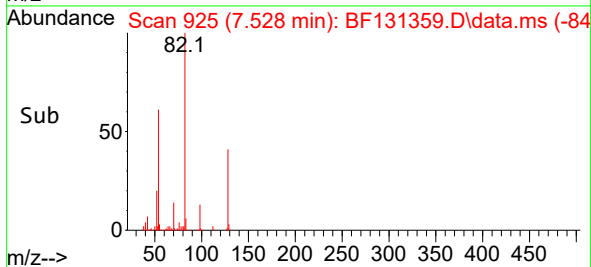
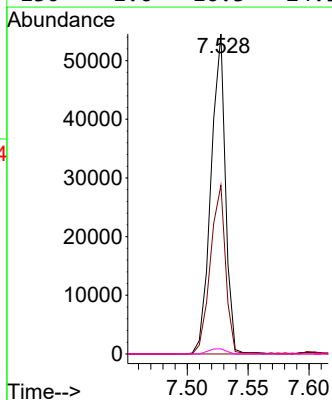
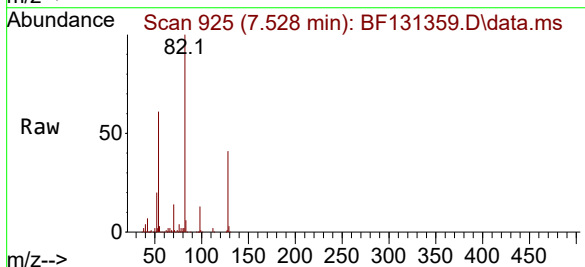
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-9

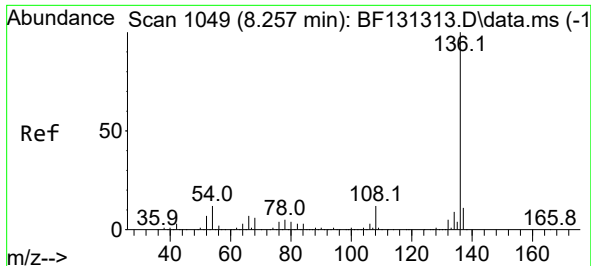
Tgt Ion: 99 Resp: 510351
Ion Ratio Lower Upper
99 100
42 24.3 19.4 29.2
71 40.8 32.3 48.5



#19
n-Nitroso-di-n-propylamine
Concen: 10.667 ng
RT: 7.528 min Scan# 925
Delta R.T. 0.147 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

Tgt Ion: 70 Resp: 45159
Ion Ratio Lower Upper
70 100
42 52.7 57.6 86.4#
101 0.0 8.2 12.2#
130 1.6 16.3 24.5#



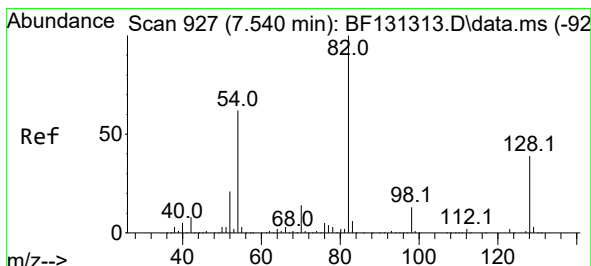
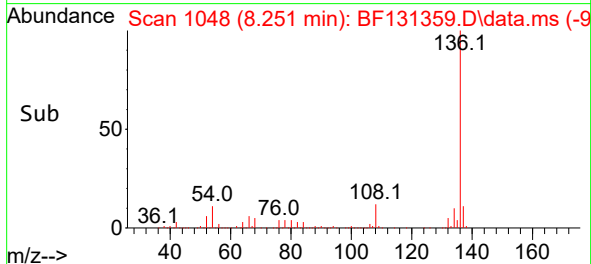
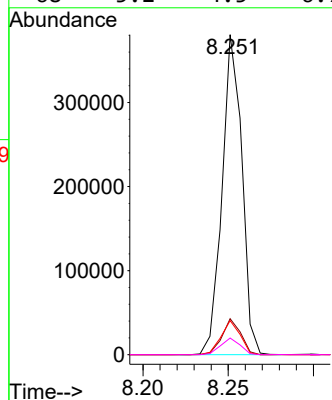
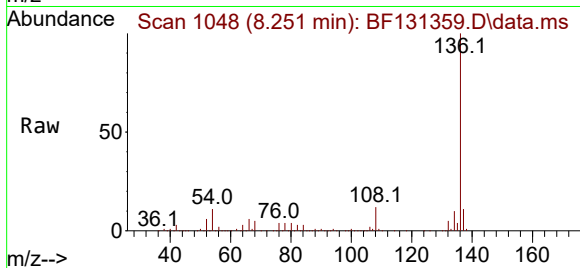


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-9

Tgt Ion:136 Resp: 307906

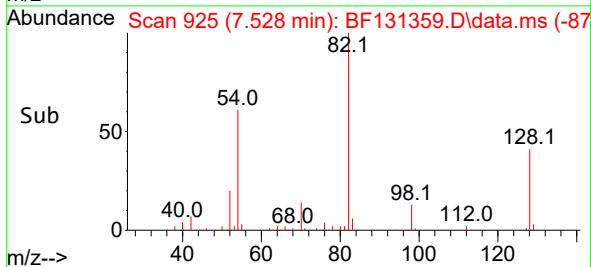
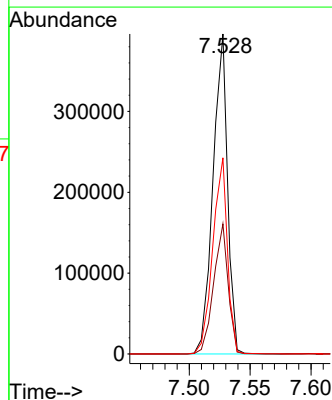
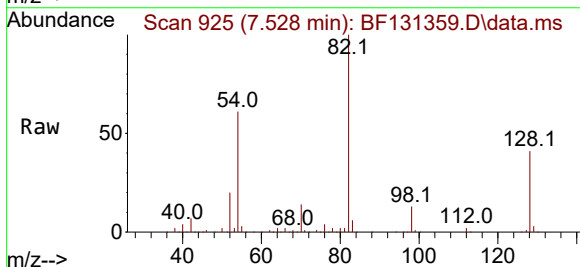
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.6
54	10.7	9.4	14.0
68	5.2	4.5	6.7

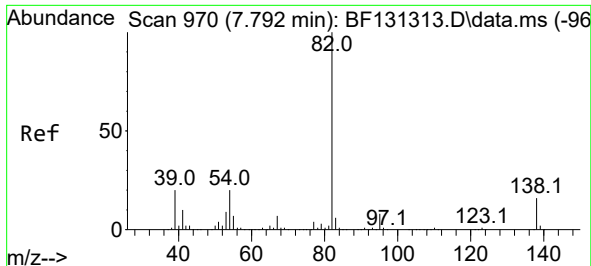


#23
Nitrobenzene-d5
Concen: 53.965 ng
RT: 7.528 min Scan# 925
Delta R.T. -0.006 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

Tgt Ion: 82 Resp: 329629

Ion	Ratio	Lower	Upper
82	100		
128	40.6	31.4	47.0
54	61.3	49.8	74.6

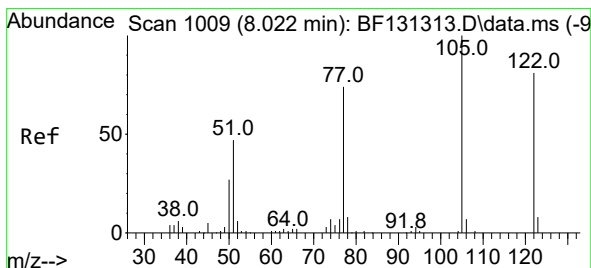
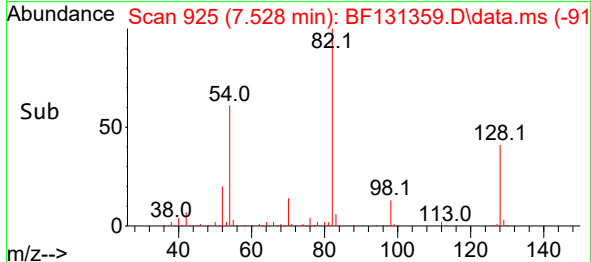
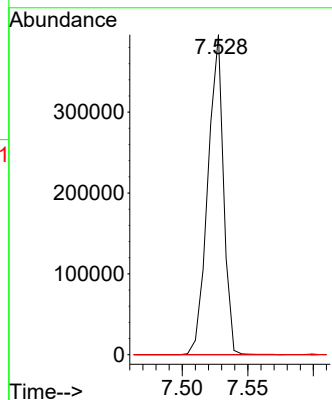
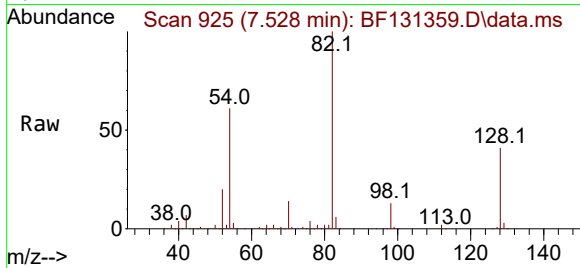




#25
Isophorone
Concen: 30.247 ng
RT: 7.528 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

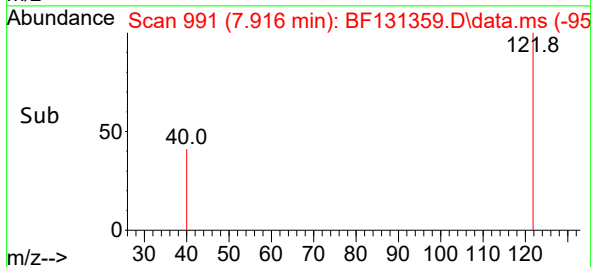
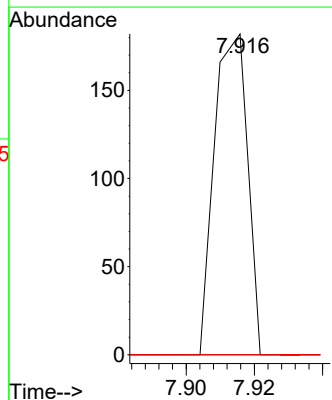
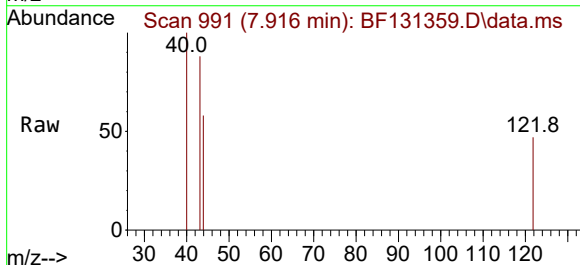
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-9

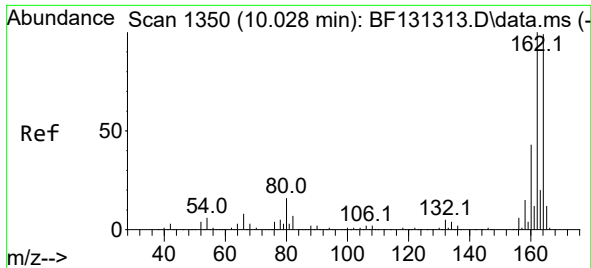
Tgt Ion: 82 Resp: 329624
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 12.7 19.1#



#32
Benzoic acid
Concen: 5.182 ng
RT: 7.916 min Scan# 991
Delta R.T. -0.094 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

Tgt Ion: 122 Resp: 123
Ion Ratio Lower Upper
122 100
105 0.0 103.8 143.8#
77 0.0 74.3 114.3#

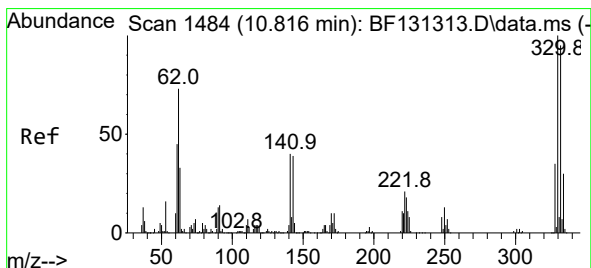
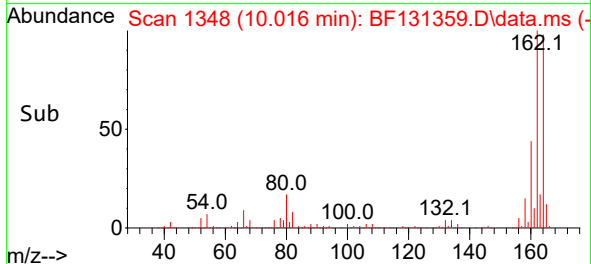
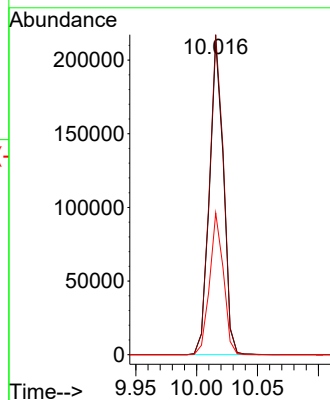
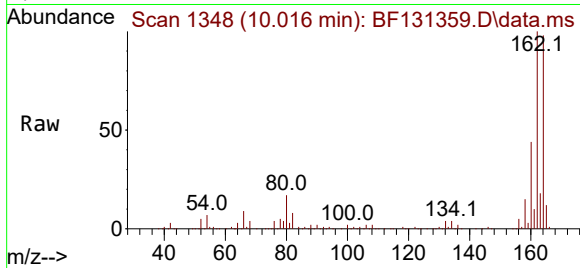




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

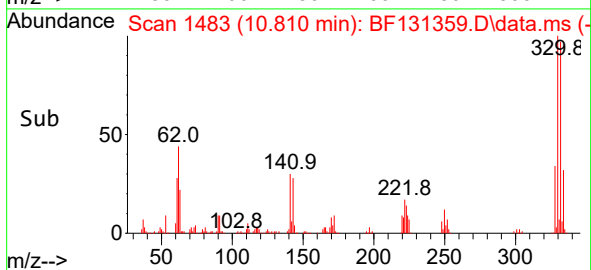
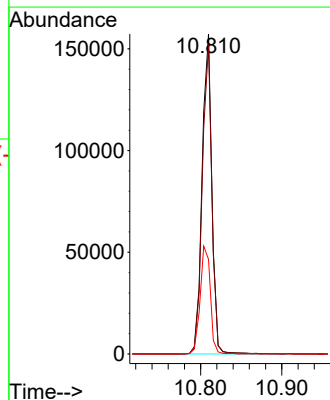
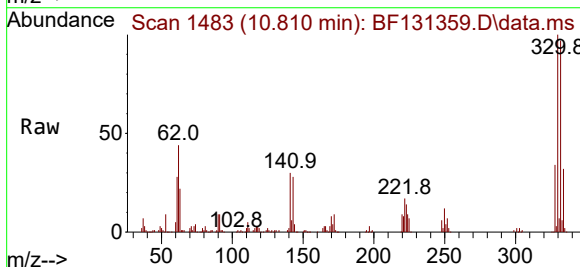
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SOIL-PILE-9

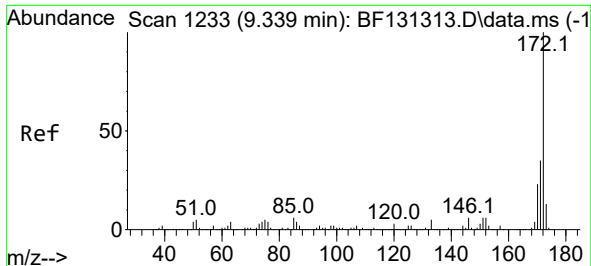
Tgt Ion:164 Resp: 169755
Ion Ratio Lower Upper
164 100
162 102.2 80.6 120.8
160 45.3 34.4 51.6



#42
2,4,6-Tribromophenol
Concen: 91.955 ng
RT: 10.810 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

Tgt Ion:330 Resp: 131327
Ion Ratio Lower Upper
330 100
332 94.7 77.5 116.3
141 35.2 29.3 43.9

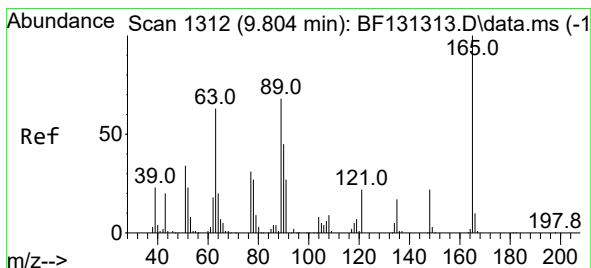
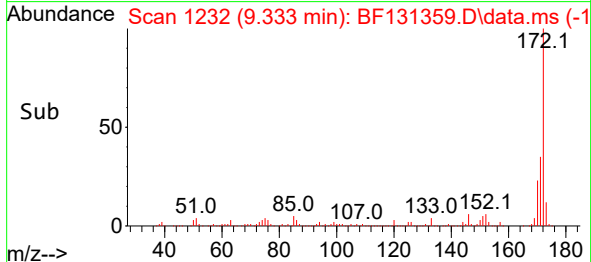
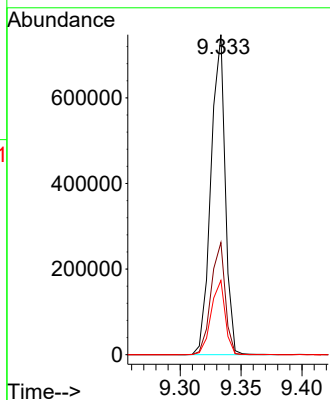
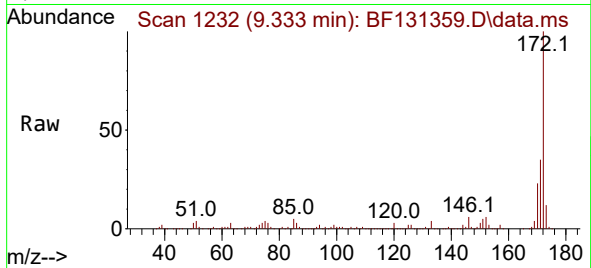




#45
2-Fluorobiphenyl
Concen: 52.329 ng
RT: 9.333 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

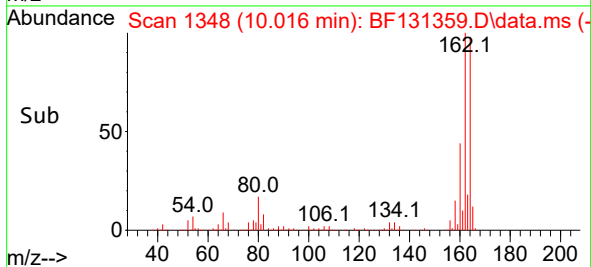
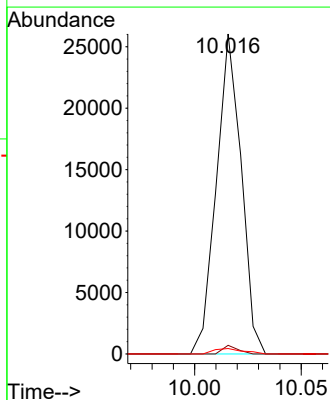
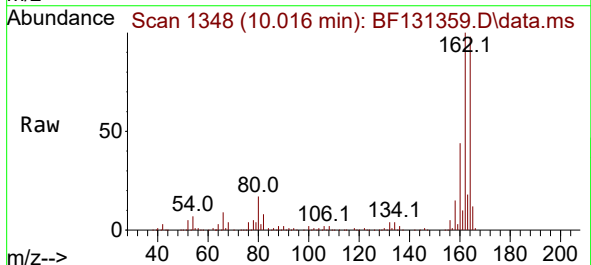
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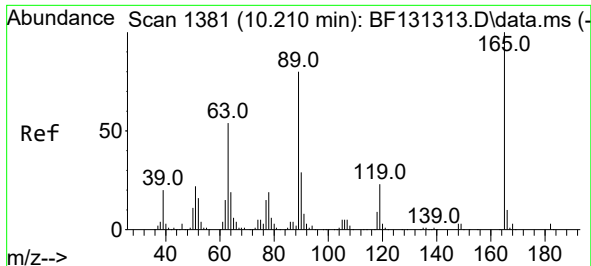
Tgt Ion:172 Resp: 610601
Ion Ratio Lower Upper
172 100
171 35.0 28.2 42.2
170 23.2 18.7 28.1



#51
2,6-Dinitrotoluene
Concen: 8.900 ng
RT: 10.016 min Scan# 1348
Delta R.T. 0.212 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

Tgt Ion:165 Resp: 21052
Ion Ratio Lower Upper
165 100
63 2.7 62.0 93.0#
89 1.7 54.4 81.6#

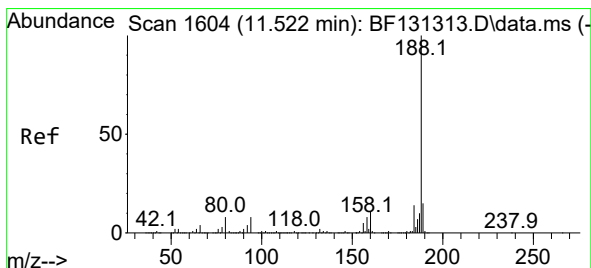
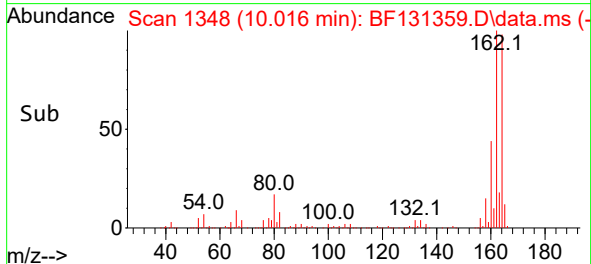
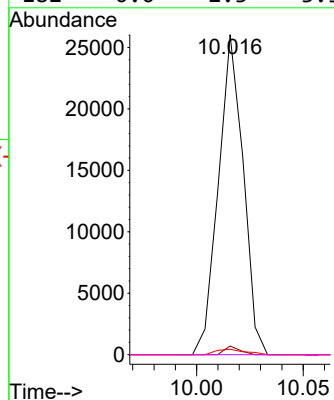
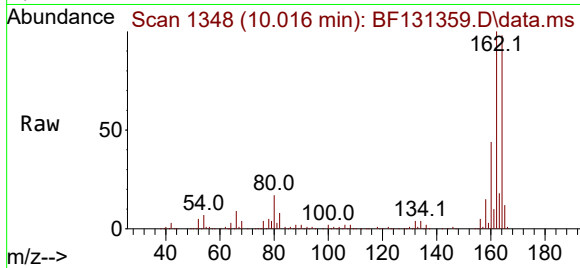




#57
2,4-Dinitrotoluene
Concen: 7.074 ng
RT: 10.016 min Scan# 11
Delta R.T. -0.188 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

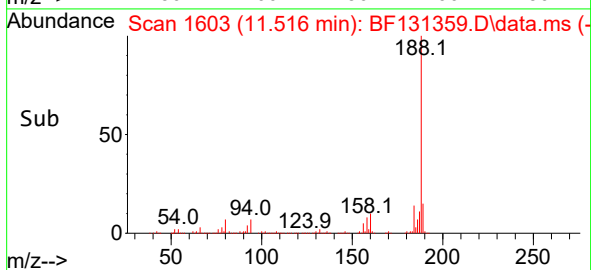
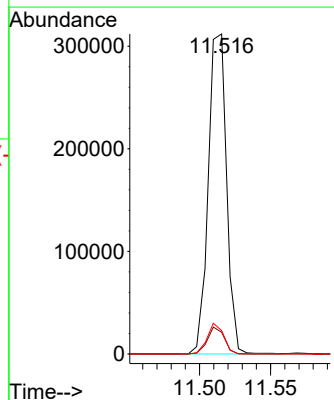
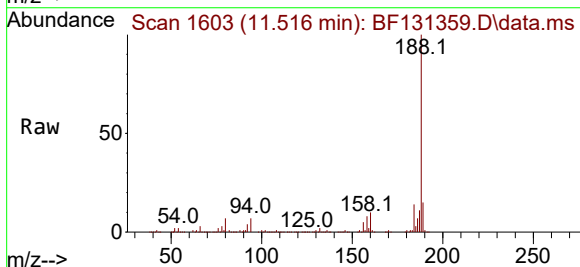
Instrument :
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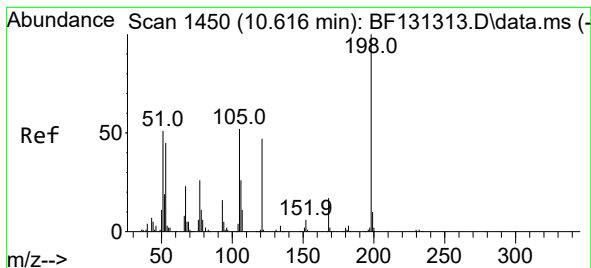
Tgt Ion:165 Resp: 21052
Ion Ratio Lower Upper
165 100
63 2.7 43.4 65.2#
89 1.7 64.0 96.0#
182 0.0 2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.516 min Scan# 1603
Delta R.T. -0.000 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

Tgt Ion:188 Resp: 279745
Ion Ratio Lower Upper
188 100
94 6.8 6.3 9.5
80 7.3 6.8 10.2

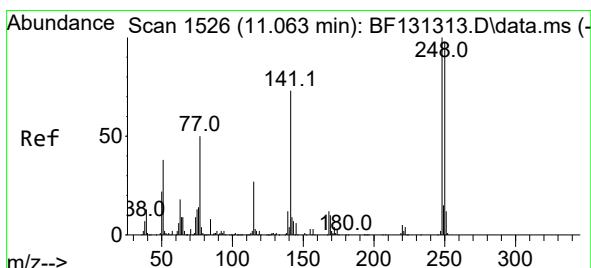
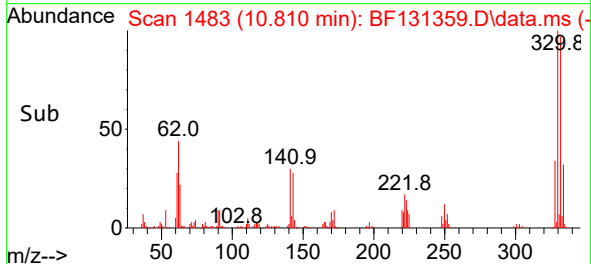
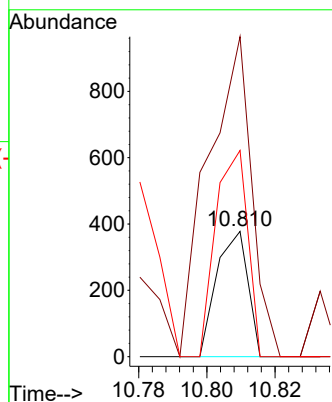
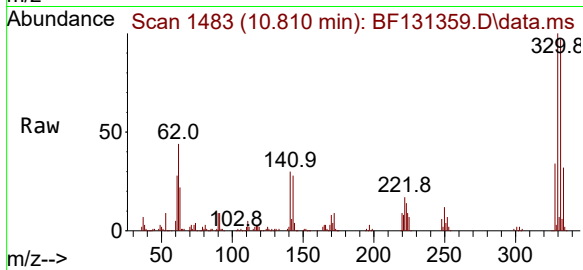




#65
4,6-Dinitro-2-methylphenol
Concen: 4.796 ng
RT: 10.810 min Scan# 1450
Delta R.T. 0.200 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

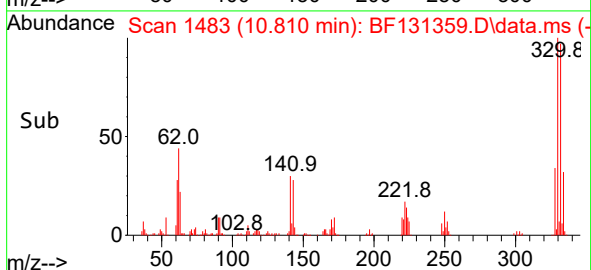
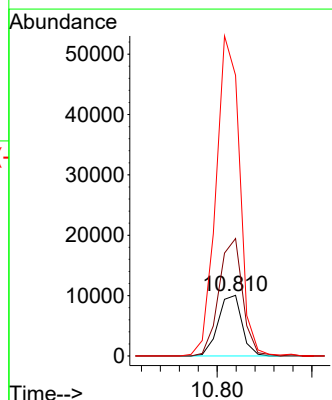
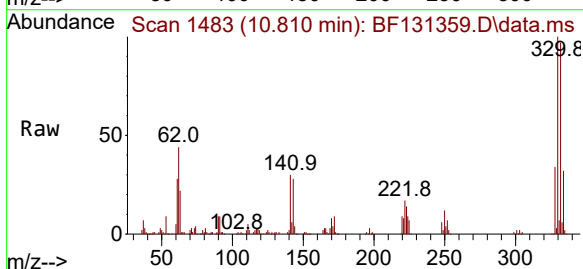
Instrument :
BNA_F
ClientSampleId :
SOIL-PILE-9

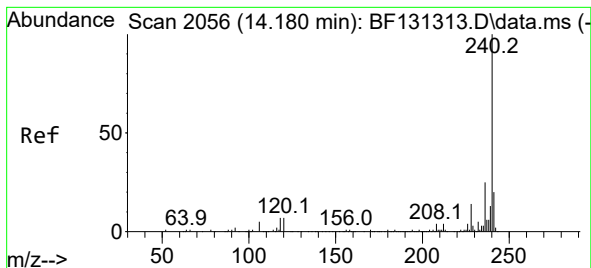
Tgt Ion:198 Resp: 239
Ion Ratio Lower Upper
198 100
51 255.3 50.1 90.1#
105 164.6 32.5 72.5#



#67
4-Bromophenyl-phenylether
Concen: 2.562 ng
RT: 10.810 min Scan# 1483
Delta R.T. -0.247 min
Lab File: BF131359.D
Acq: 23 Nov 2022 12:56

Tgt Ion:248 Resp: 8783
Ion Ratio Lower Upper
248 100
250 193.8 78.3 117.5#
141 463.0 58.0 87.0#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.168 min Scan# 2054

Delta R.T. -0.006 min

Lab File: BF131359.D

Acq: 23 Nov 2022 12:56

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-9

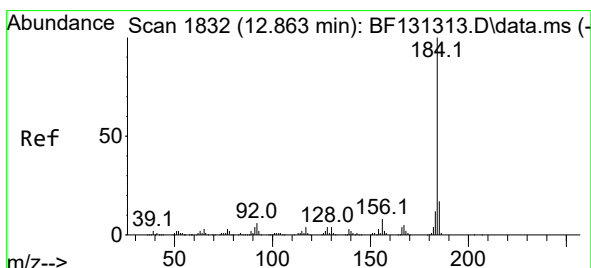
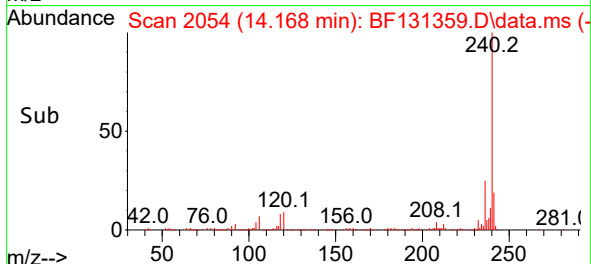
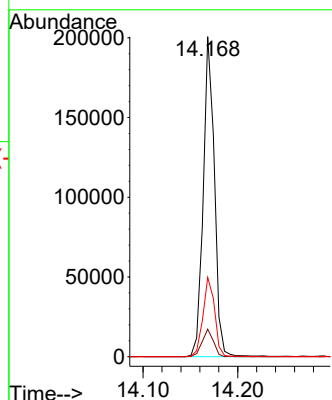
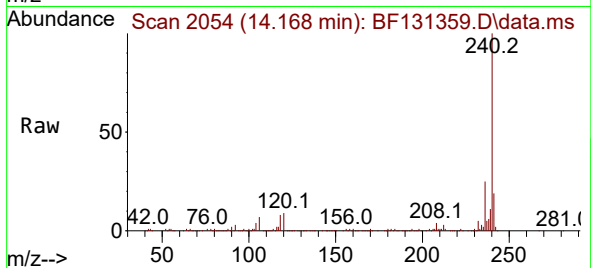
Tgt Ion:240 Resp: 165044

Ion Ratio Lower Upper

240 100

120 8.6 5.8 8.8

236 24.7 20.3 30.5



#77

Benidine

Concen: 2.333 ng

RT: 13.110 min Scan# 1874

Delta R.T. 0.253 min

Lab File: BF131359.D

Acq: 23 Nov 2022 12:56

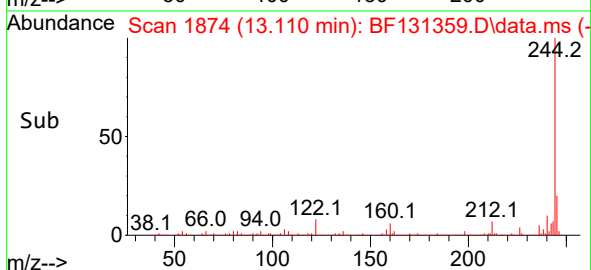
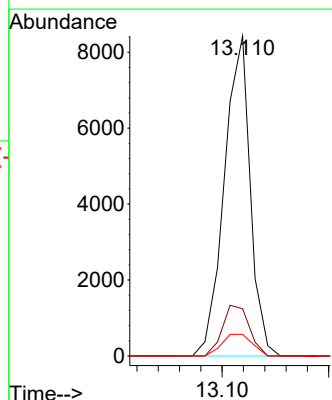
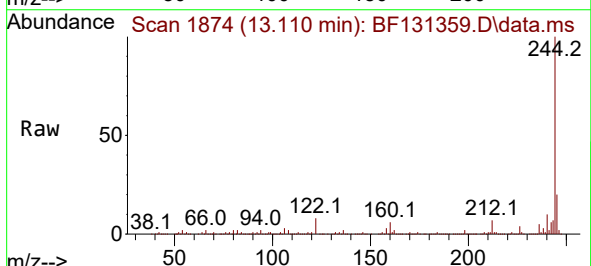
Tgt Ion:184 Resp: 7111

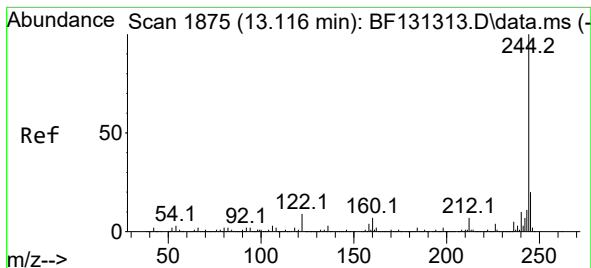
Ion Ratio Lower Upper

184 100

185 14.7 13.8 20.8

183 6.8 9.6 14.4#





#79

Terphenyl-d14

Concen: 51.449 ng

RT: 13.110 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF131359.D

Acq: 23 Nov 2022 12:56

Instrument :

BNA_F

ClientSampleId :

SOIL-PILE-9

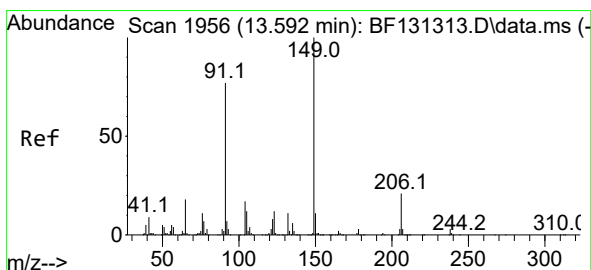
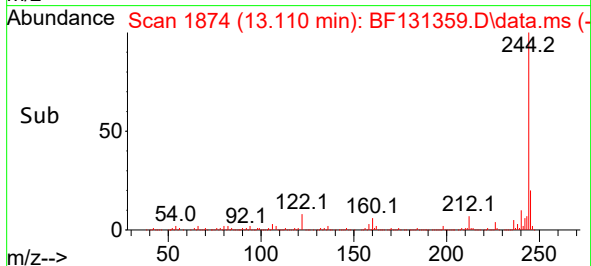
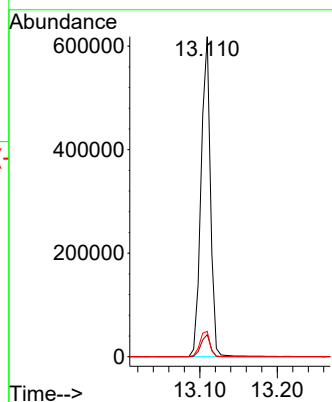
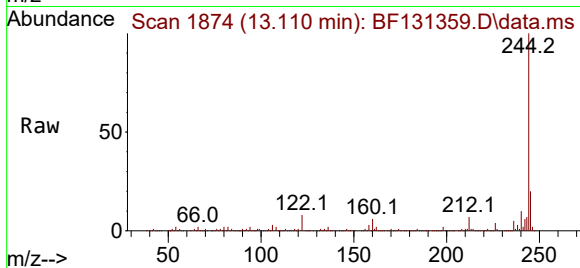
Tgt Ion:244 Resp: 519263

Ion Ratio Lower Upper

244 100

212 6.9 5.9 8.9

122 7.9 7.5 11.3



#80

Butylbenzylphthalate

Concen: 4.154 ng

RT: 13.615 min Scan# 1960

Delta R.T. 0.029 min

Lab File: BF131359.D

Acq: 23 Nov 2022 12:56

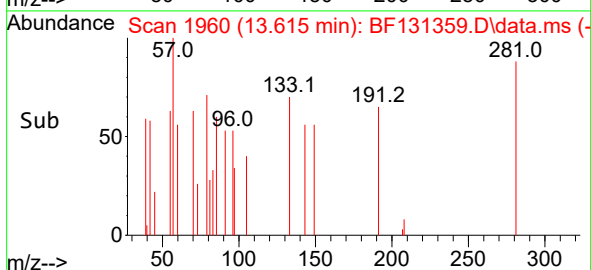
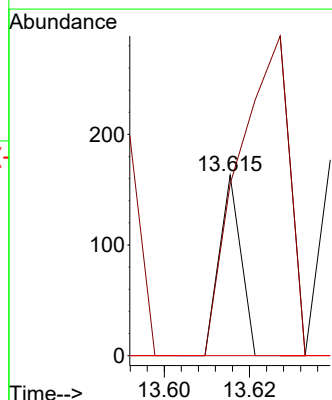
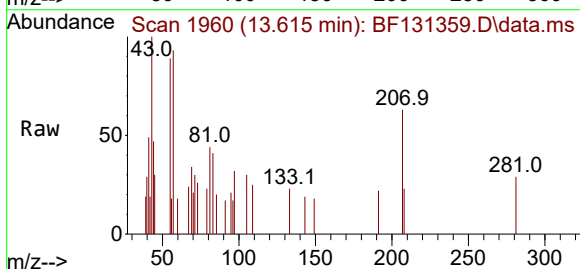
Tgt Ion:149 Resp: 58

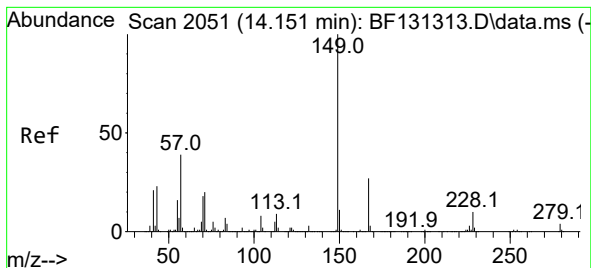
Ion Ratio Lower Upper

149 100

91 95.1 61.9 92.9#

206 0.0 16.5 24.7#

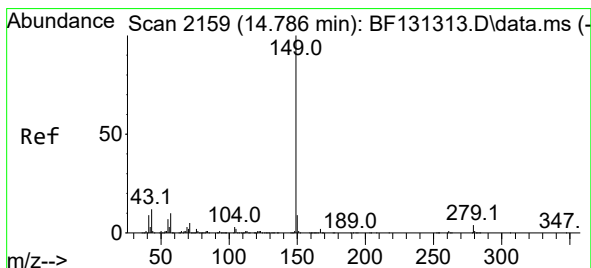
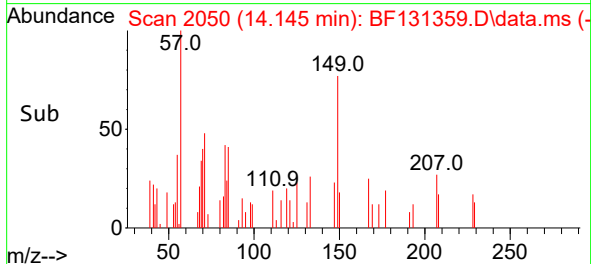
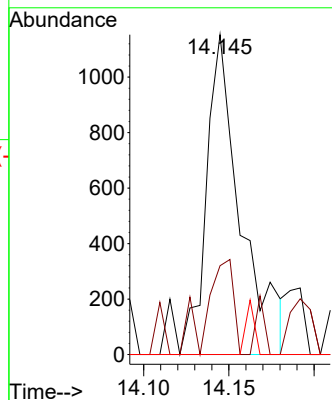
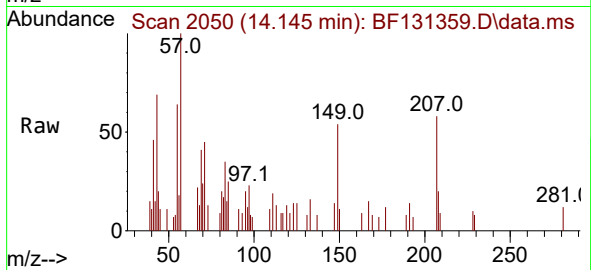




#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.979 ng
 RT: 14.145 min Scan# 2050
 Delta R.T. -0.006 min
 Lab File: BF131359.D
 Acq: 23 Nov 2022 12:56

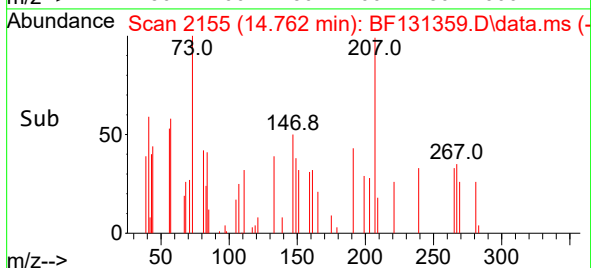
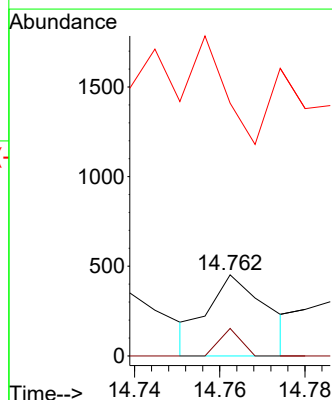
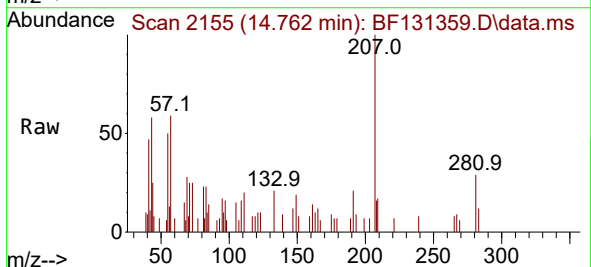
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-9

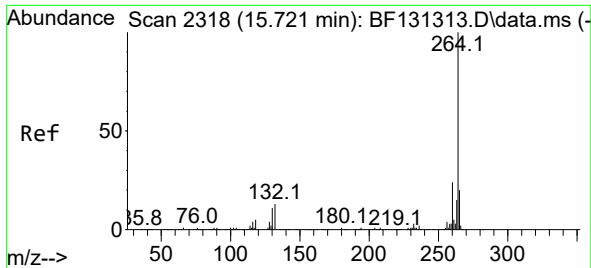
Tgt Ion:149 Resp: 1622
 Ion Ratio Lower Upper
 149 100
 167 27.8 21.9 32.9
 279 0.0 3.0 4.4#



#85
 Di-n-octyl phthalate
 Concen: 3.955 ng
 RT: 14.762 min Scan# 2155
 Delta R.T. -0.012 min
 Lab File: BF131359.D
 Acq: 23 Nov 2022 12:56

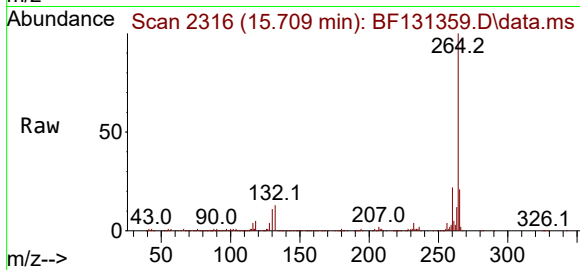
Tgt Ion:149 Resp: 434
 Ion Ratio Lower Upper
 149 100
 167 12.4 1.2 1.8#
 43 180.2 10.7 16.1#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.709 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF131359.D
 Acq: 23 Nov 2022 12:56

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-PILE-9



Tgt Ion:264 Resp: 189655
 Ion Ratio Lower Upper
 264 100
 260 22.1 19.0 28.4
 265 20.6 16.4 24.6

