

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF110422\
 Data File : BF130998.D
 Acq On : 04 Nov 2022 19:12
 Operator : CG\JU
 Sample : N5435-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PTS-SOIL-PILE-1103

Quant Time: Nov 05 00:39:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 04 06:20:24 2022
 Response via : Initial Calibration

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

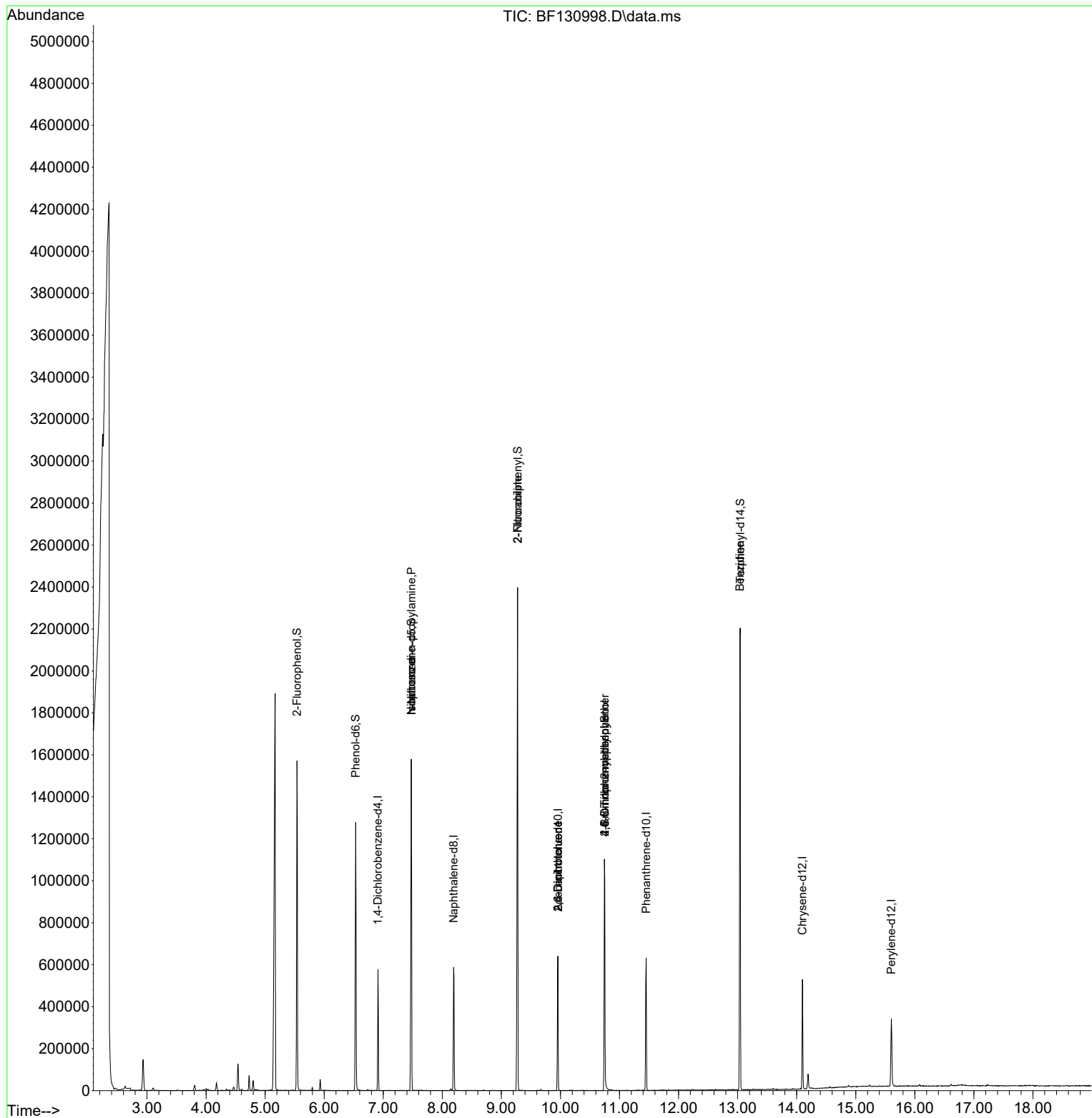
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.910	152	72130	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	266422	20.000	ng	-0.01
39) Acenaphthene-d10	9.957	164	124075	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	218648	20.000	ng	# 0.00
76) Chrysene-d12	14.098	240	164735	20.000	ng	0.00
86) Perylene-d12	15.604	264	144661	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.540	112	381371	91.661	ng	0.01
7) Phenol-d6	6.534	99	377582	69.835	ng	0.00
23) Nitrobenzene-d5	7.475	82	508735	115.141	ng	-0.01
42) 2,4,6-Tribromophenol	10.751	330	129950	124.418	ng	0.00
45) 2-Fluorobiphenyl	9.275	172	718345	87.532	ng	0.00
79) Terphenyl-d14	13.045	244	801315	89.135	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.475	70	70732	19.227	ng	# 78
25) Isophorone	7.475	82	508819	55.845	ng	# 66
48) 2-Nitroaniline	9.275	65	1453	4.729	ng	# 3
51) 2,6-Dinitrotoluene	9.957	165	15915	12.042	ng	# 15
57) 2,4-Dinitrotoluene	9.957	165	15915	10.922	ng	# 21
65) 4,6-Dinitro-2-methylph...	10.751	198	340	8.239	ng	# 7
67) 4-Bromophenyl-phenylether	10.751	248	8648	3.933	ng	# 1
77) Benzidine	13.039	184	12400	3.101	ng	# 90

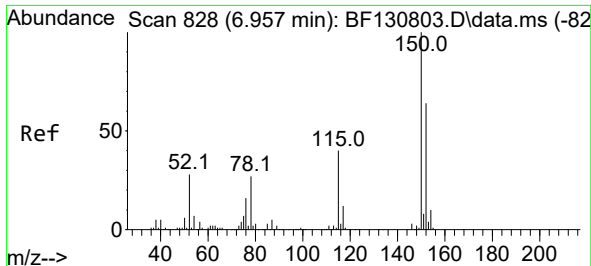
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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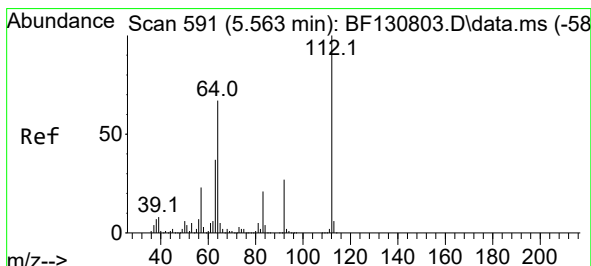
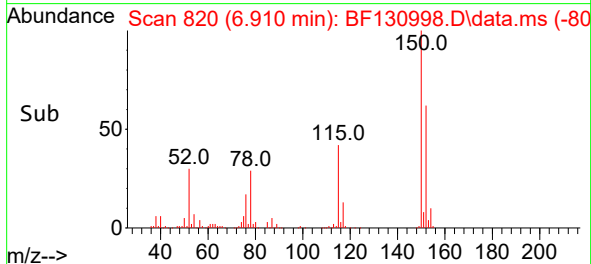
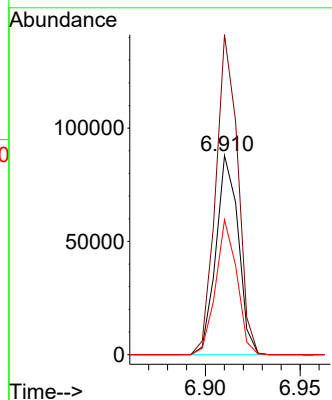
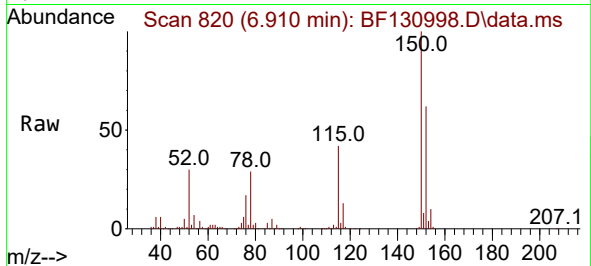




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

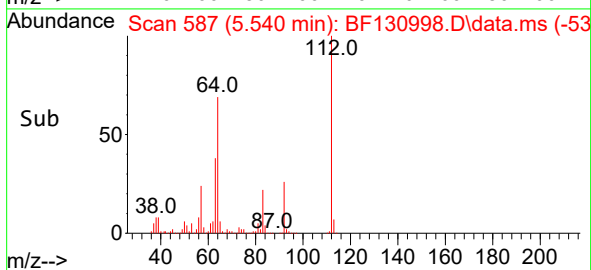
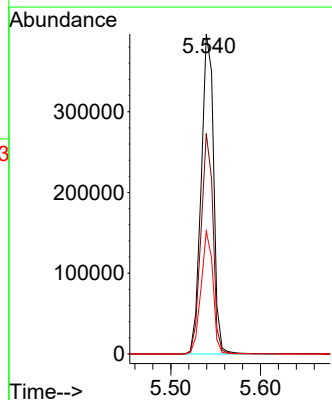
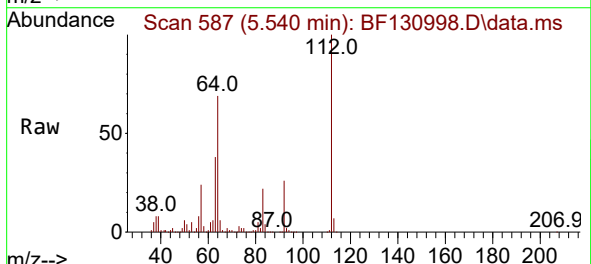
Instrument :
BNA_F
ClientSampleId :
PTS-SOIL-PILE-1103

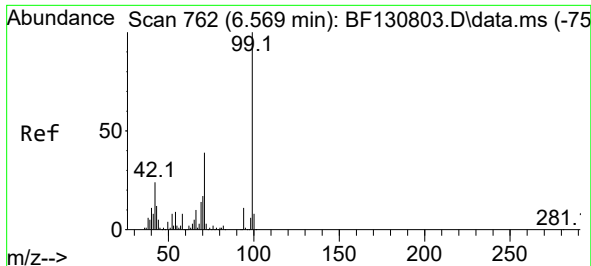
Tgt Ion:152 Resp: 72130
Ion Ratio Lower Upper
152 100
150 160.7 124.1 186.1
115 67.8 50.1 75.1



#5
2-Fluorophenol
Concen: 91.661 ng
RT: 5.540 min Scan# 587
Delta R.T. 0.012 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

Tgt Ion:112 Resp: 381371
Ion Ratio Lower Upper
112 100
64 68.9 53.9 80.9
63 38.4 29.4 44.2

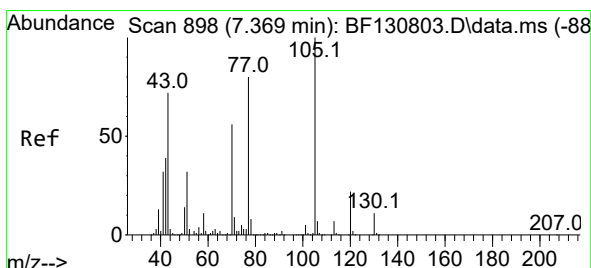
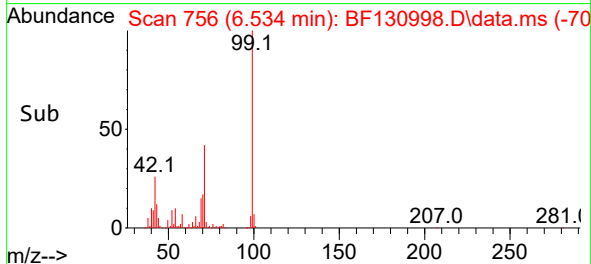
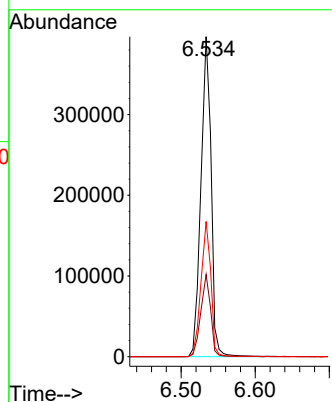
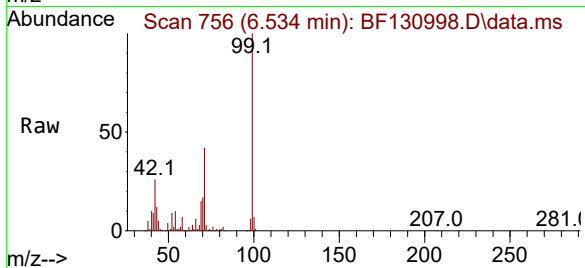




#7
Phenol-d6
Concen: 69.835 ng
RT: 6.534 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

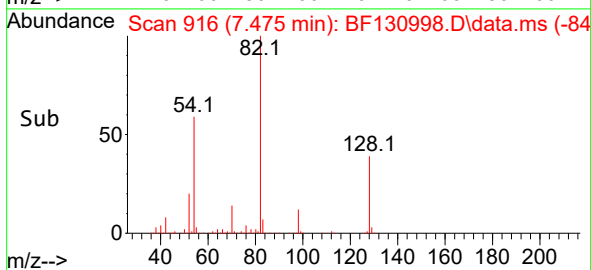
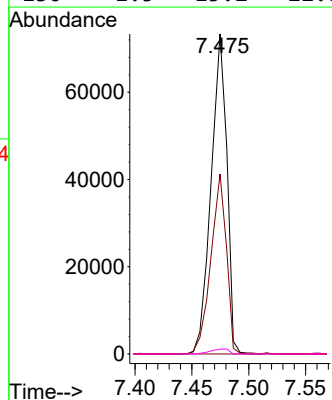
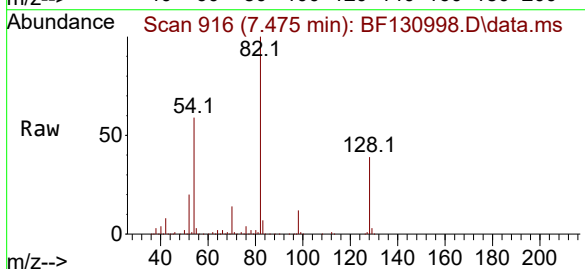
Instrument :
BNA_F
ClientSampleId :
PTS-SOIL-PILE-1103

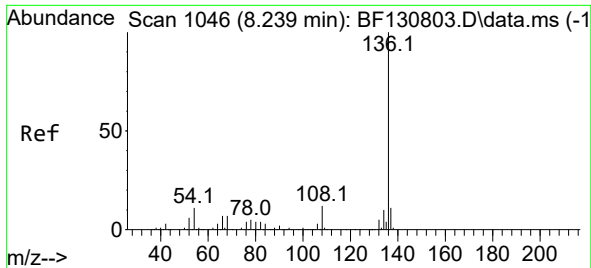
Tgt Ion: 99 Resp: 377582
Ion Ratio Lower Upper
99 100
42 25.7 18.8 28.2
71 42.3 31.4 47.0



#19
n-Nitroso-di-n-propylamine
Concen: 19.227 ng
RT: 7.475 min Scan# 916
Delta R.T. 0.147 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

Tgt Ion: 70 Resp: 70732
Ion Ratio Lower Upper
70 100
42 56.3 56.1 84.1
101 0.0 7.3 10.9#
130 1.5 15.2 22.8#

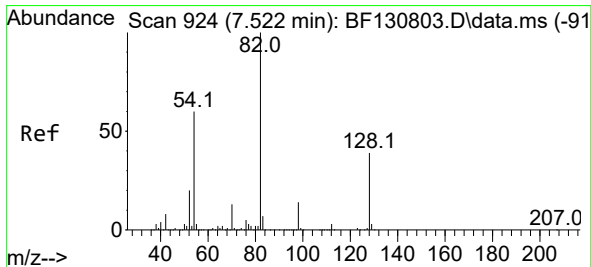
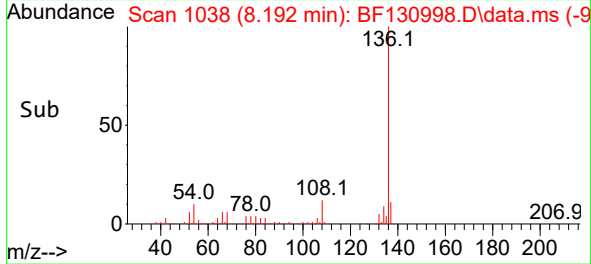
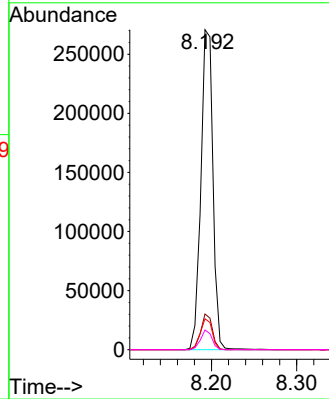
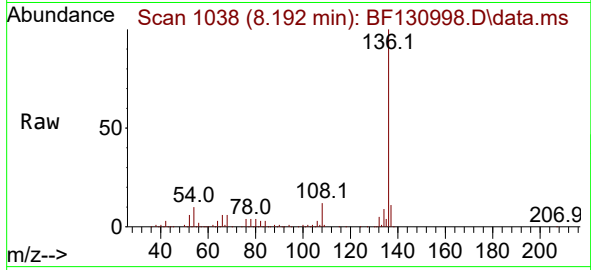




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1038
Delta R.T. -0.012 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

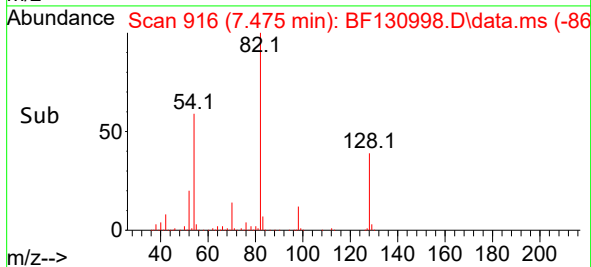
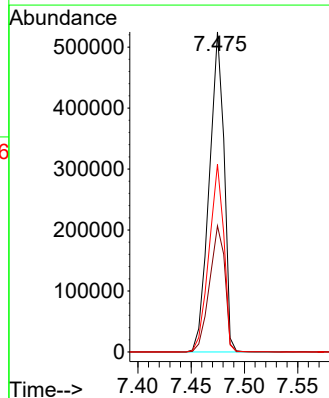
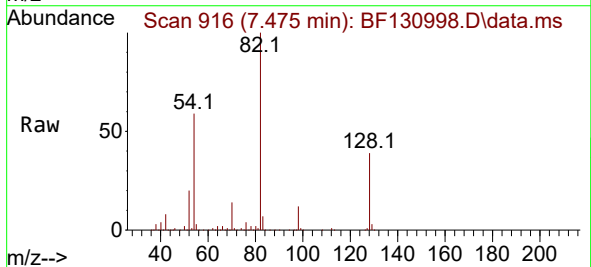
Instrument :
BNA_F
ClientSampleId :
PTS-SOIL-PILE-1103

Tgt Ion:136 Resp: 266422
Ion Ratio Lower Upper
136 100
137 11.2 9.2 13.8
54 9.6 8.8 13.2
68 6.2 5.2 7.8



#23
Nitrobenzene-d5
Concen: 115.141 ng
RT: 7.475 min Scan# 916
Delta R.T. -0.012 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

Tgt Ion: 82 Resp: 508735
Ion Ratio Lower Upper
82 100
128 39.4 31.2 46.8
54 58.6 48.0 72.0

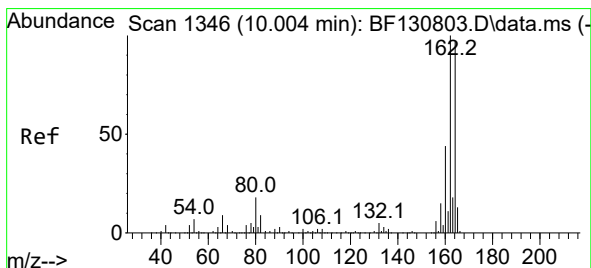
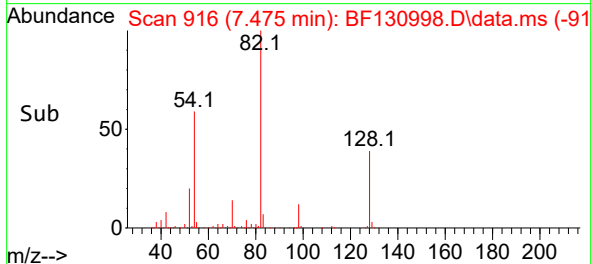
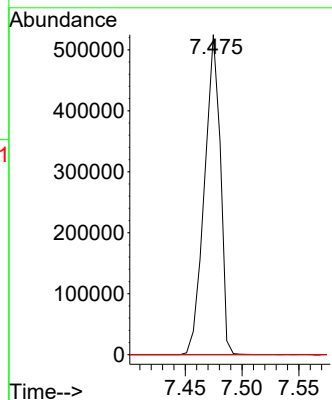
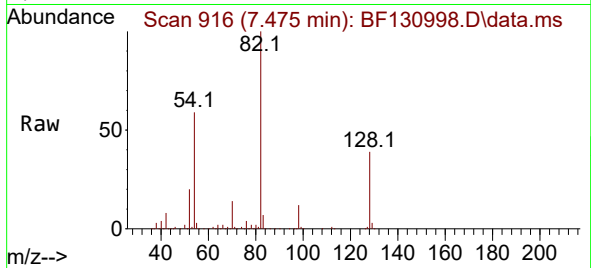




#25
Isophorone
Concen: 55.845 ng
RT: 7.475 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

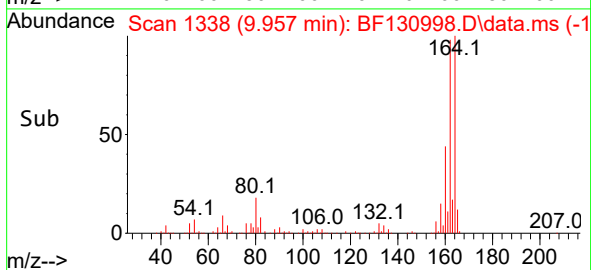
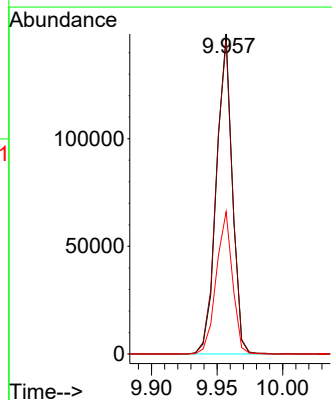
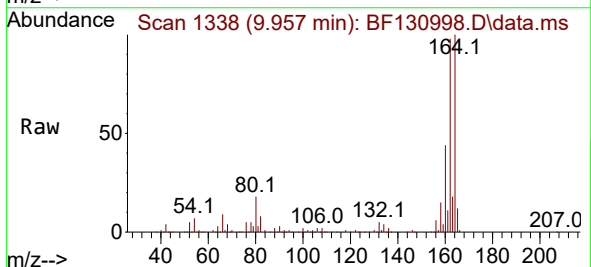
Instrument :
BNA_F
ClientSampleId :
PTS-SOIL-PILE-1103

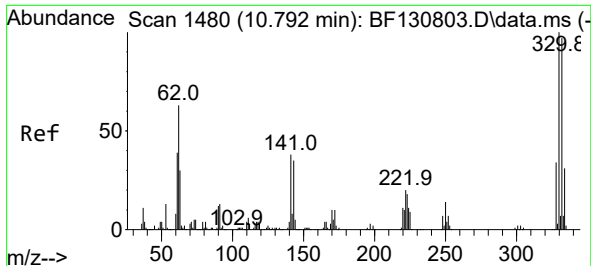
Tgt Ion: 82 Resp: 508819
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.4#
138 0.0 13.8 20.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.957 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

Tgt Ion:164 Resp: 124075
Ion Ratio Lower Upper
164 100
162 97.9 82.2 123.2
160 44.4 36.6 54.8





#42

2,4,6-Tribromophenol

Concen: 124.418 ng

RT: 10.751 min Scan# 1480

Delta R.T. -0.006 min

Lab File: BF130998.D

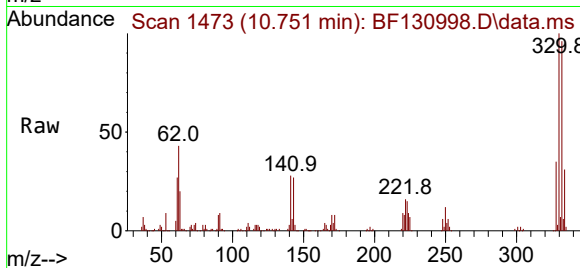
Acq: 04 Nov 2022 19:12

Instrument :

BNA_F

ClientSampleId :

PTS-SOIL-PILE-1103



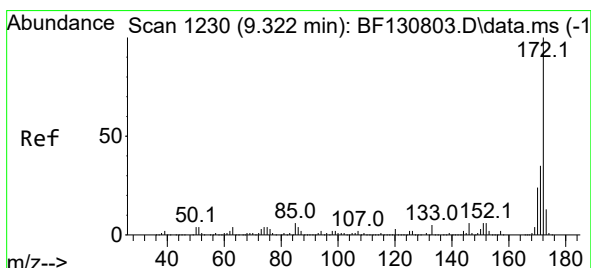
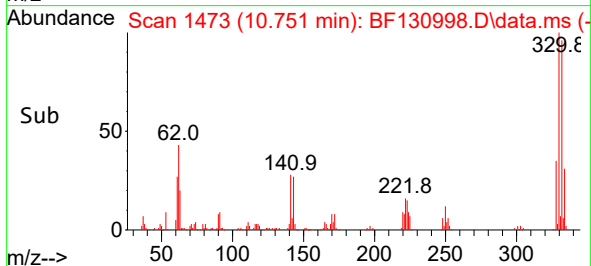
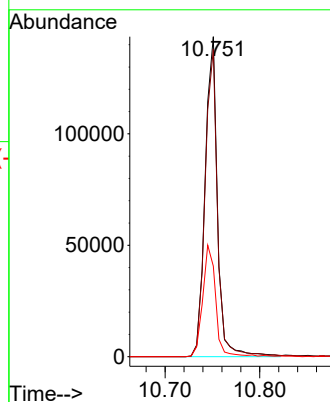
Tgt Ion:330 Resp: 129950

Ion Ratio Lower Upper

330 100

332 97.7 76.2 114.4

141 36.8 31.4 47.0



#45

2-Fluorobiphenyl

Concen: 87.532 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.006 min

Lab File: BF130998.D

Acq: 04 Nov 2022 19:12

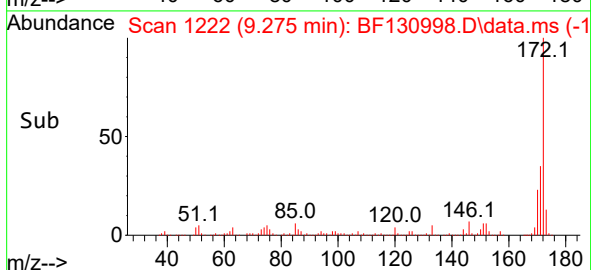
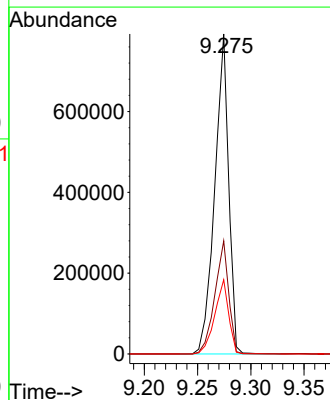
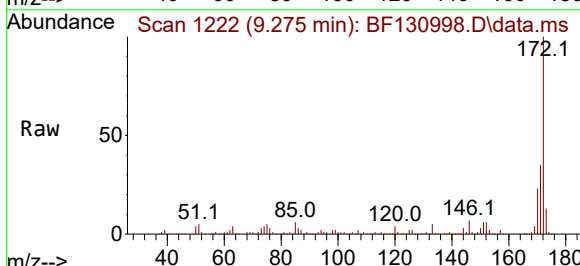
Tgt Ion:172 Resp: 718345

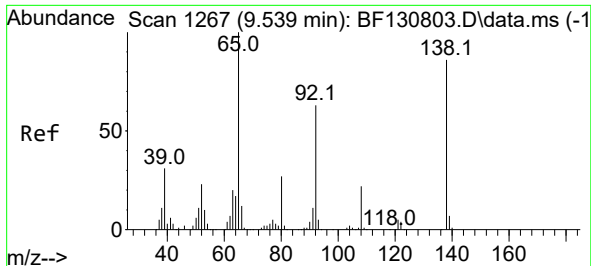
Ion Ratio Lower Upper

172 100

171 35.3 28.1 42.1

170 23.2 19.0 28.4

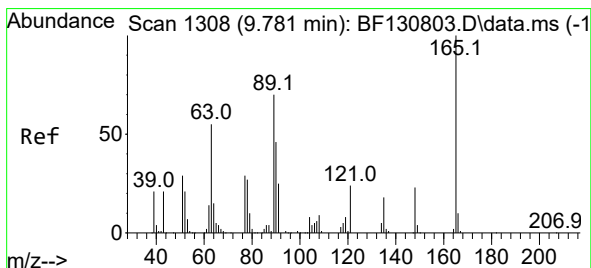
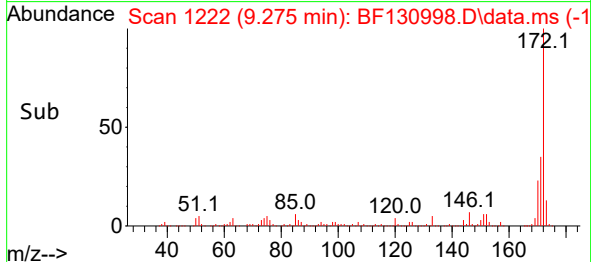
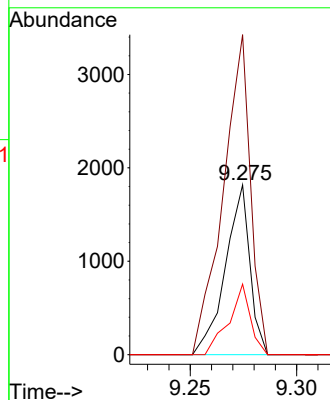
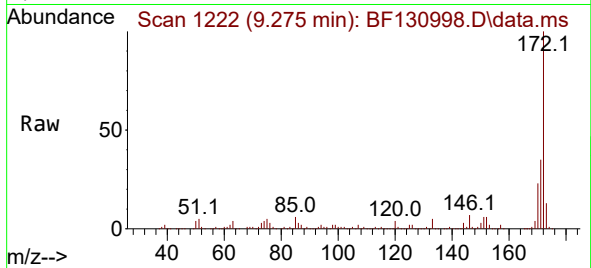




#48
2-Nitroaniline
Concen: 4.729 ng
RT: 9.275 min Scan# 11
Delta R.T. -0.230 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

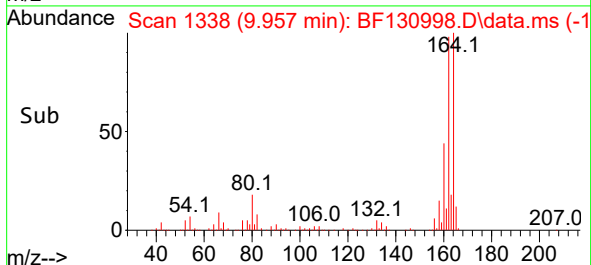
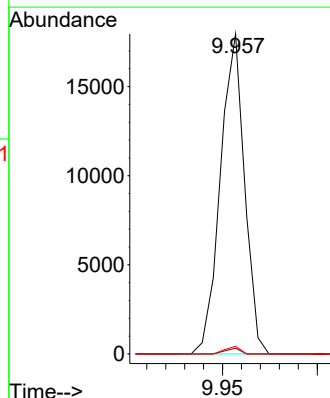
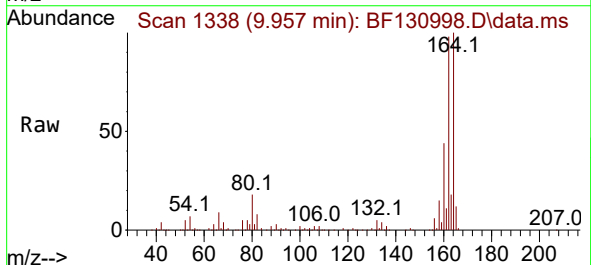
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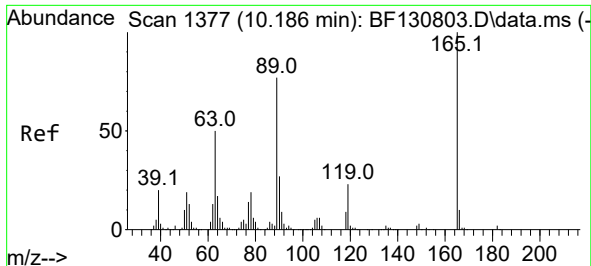
Tgt Ion: 65 Resp: 1453
Ion Ratio Lower Upper
65 100
92 188.6 50.1 75.1#
138 41.6 69.2 103.8#



#51
2,6-Dinitrotoluene
Concen: 12.042 ng
RT: 9.957 min Scan# 1338
Delta R.T. 0.212 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

Tgt Ion: 165 Resp: 15915
Ion Ratio Lower Upper
165 100
63 1.8 61.8 92.8#
89 2.4 56.2 84.4#

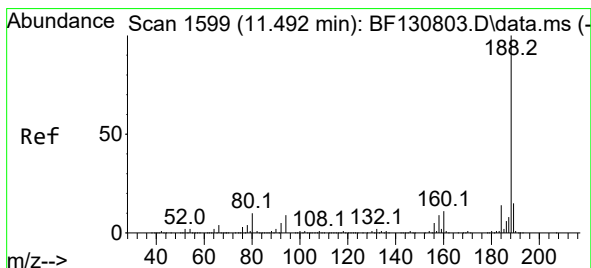
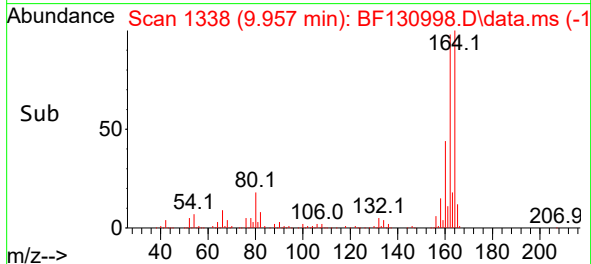
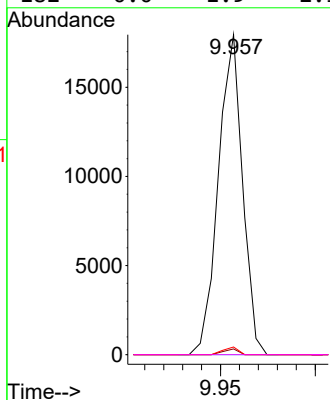
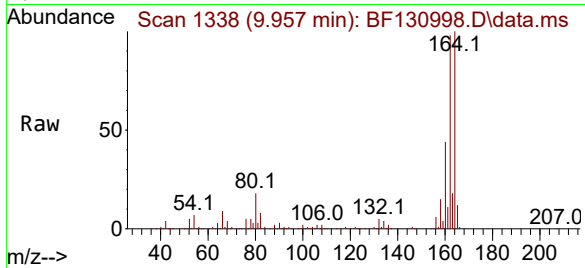




#57
2,4-Dinitrotoluene
Concen: 10.922 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.194 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

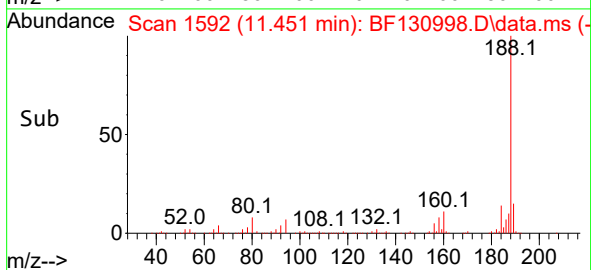
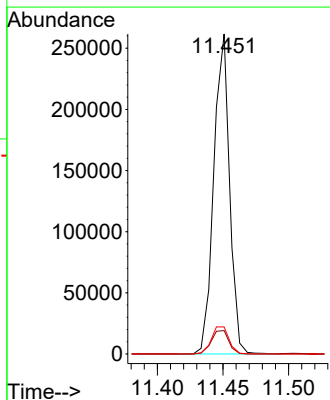
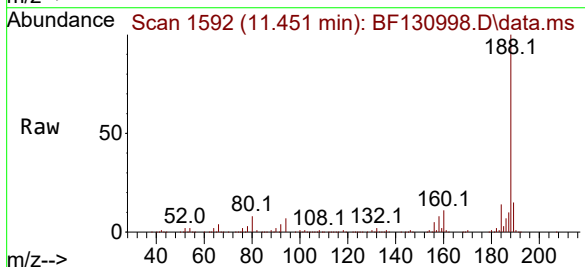
Instrument :
BNA_F
ClientSampleId :
PTS-SOIL-PILE-1103

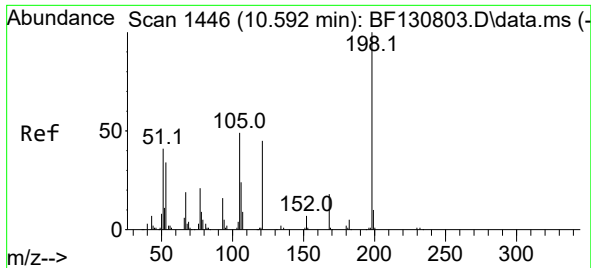
Tgt Ion:165 Resp: 15915
Ion Ratio Lower Upper
165 100
63 1.8 39.8 59.6#
89 2.4 61.9 92.9#
182 0.0 1.9 2.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1592
Delta R.T. -0.006 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

Tgt Ion:188 Resp: 218648
Ion Ratio Lower Upper
188 100
94 7.3 7.4 11.2#
80 8.4 8.0 12.0

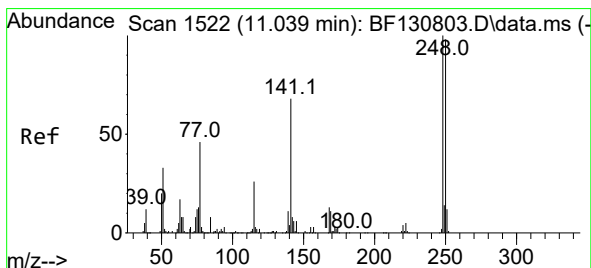
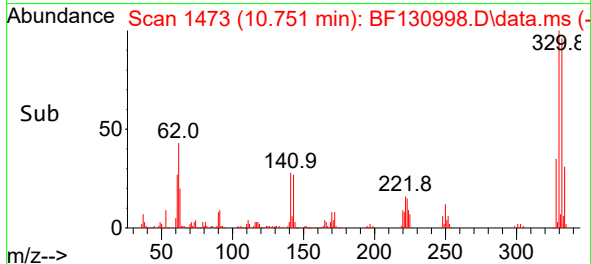
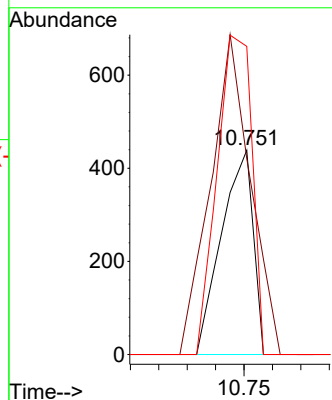
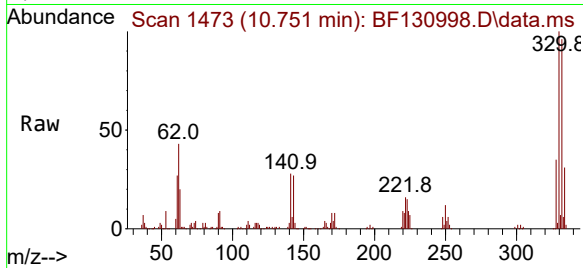




#65
4,6-Dinitro-2-methylphenol
Concen: 8.239 ng
RT: 10.751 min Scan# 1446
Delta R.T. 0.188 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

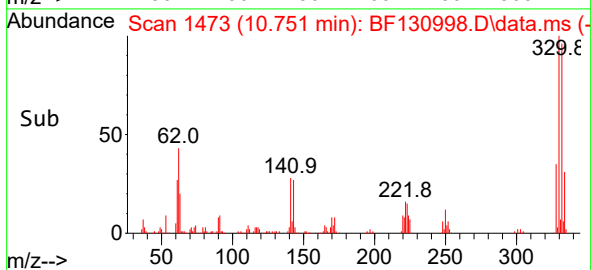
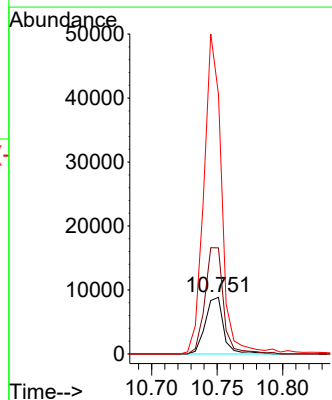
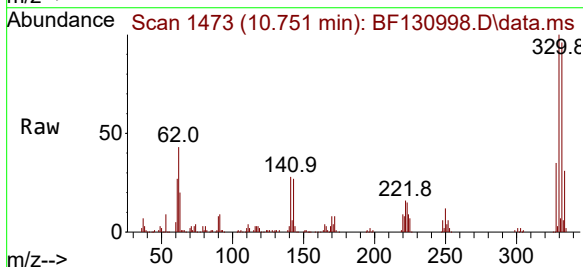
Instrument :
BNA_F
ClientSampleId :
PTS-SOIL-PILE-1103

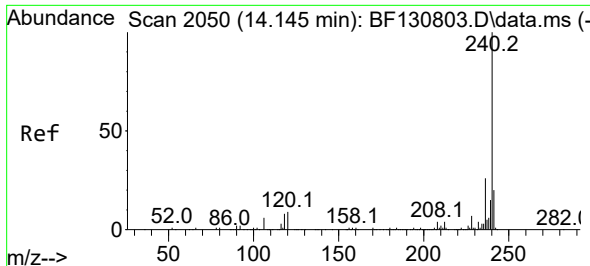
Tgt Ion:198 Resp: 340
Ion Ratio Lower Upper
198 100
51 95.9 39.0 79.0#
105 150.8 30.6 70.6#



#67
4-Bromophenyl-phenylether
Concen: 3.933 ng
RT: 10.751 min Scan# 1473
Delta R.T. -0.247 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

Tgt Ion:248 Resp: 8648
Ion Ratio Lower Upper
248 100
250 187.2 78.6 117.8#
141 459.1 54.2 81.4#

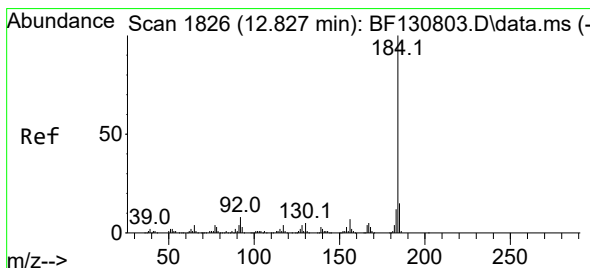
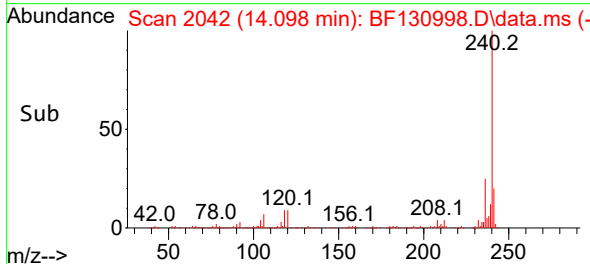
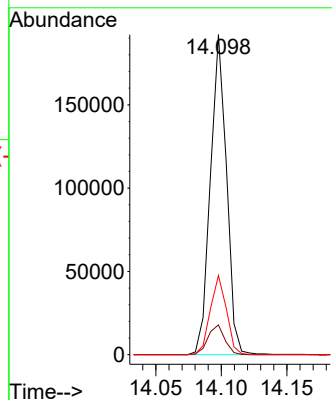
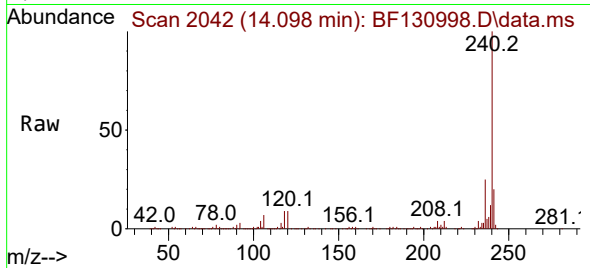




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2050
Delta R.T. -0.006 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

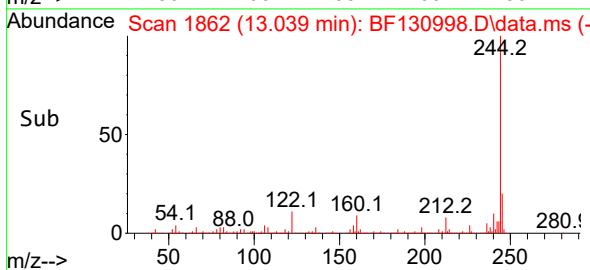
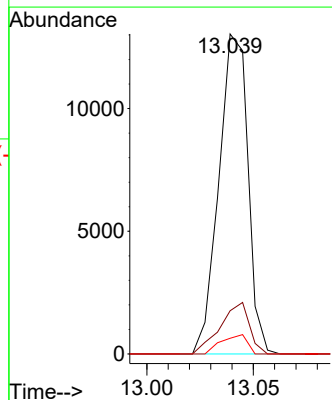
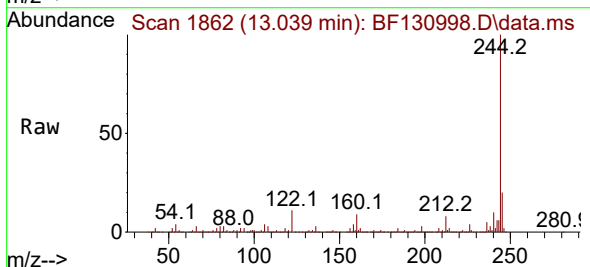
Instrument :
BNA_F
ClientSampleId :
PTS-SOIL-PILE-1103

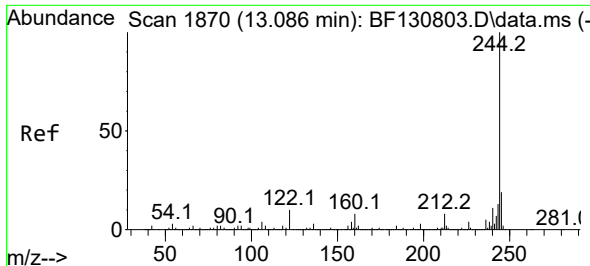
Tgt Ion:240 Resp: 164735
Ion Ratio Lower Upper
240 100
120 9.3 7.0 10.4
236 24.8 20.5 30.7



#77
Benzidine
Concen: 3.101 ng
RT: 13.039 min Scan# 1862
Delta R.T. 0.247 min
Lab File: BF130998.D
Acq: 04 Nov 2022 19:12

Tgt Ion:184 Resp: 12400
Ion Ratio Lower Upper
184 100
185 13.5 11.8 17.8
183 4.9 9.7 14.5#

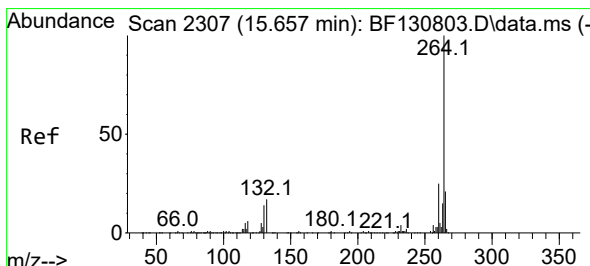
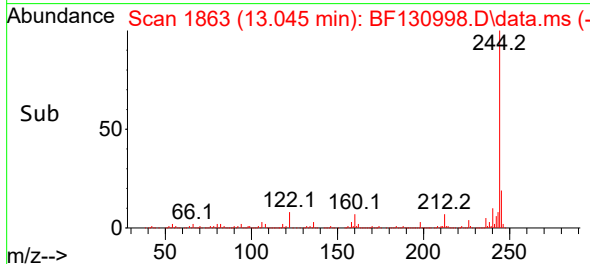
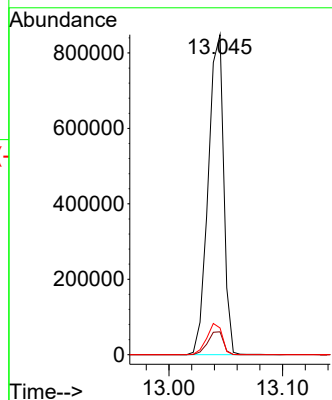
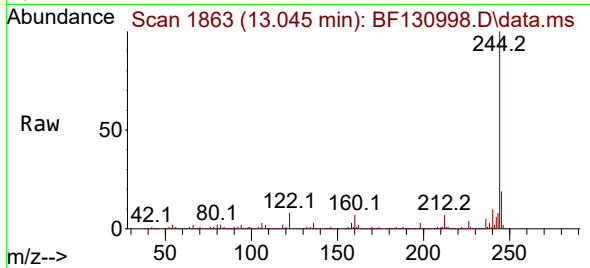




#79
 Terphenyl-d14
 Concen: 89.135 ng
 RT: 13.045 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF130998.D
 Acq: 04 Nov 2022 19:12

Instrument :
 BNA_F
 ClientSampleId :
 PTS-SOIL-PILE-1103

Tgt Ion:244 Resp: 801315
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.2 9.2
 122 8.4 7.9 11.9



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.604 min Scan# 2298
 Delta R.T. -0.006 min
 Lab File: BF130998.D
 Acq: 04 Nov 2022 19:12

Tgt Ion:264 Resp: 144661
 Ion Ratio Lower Upper
 264 100
 260 22.1 19.9 29.9
 265 21.0 17.0 25.6

