

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136551.D
 Acq On : 13 Dec 2023 22:22
 Operator : CG\JU
 Sample : 05624-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-1

Quant Time: Dec 14 01:46:09 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

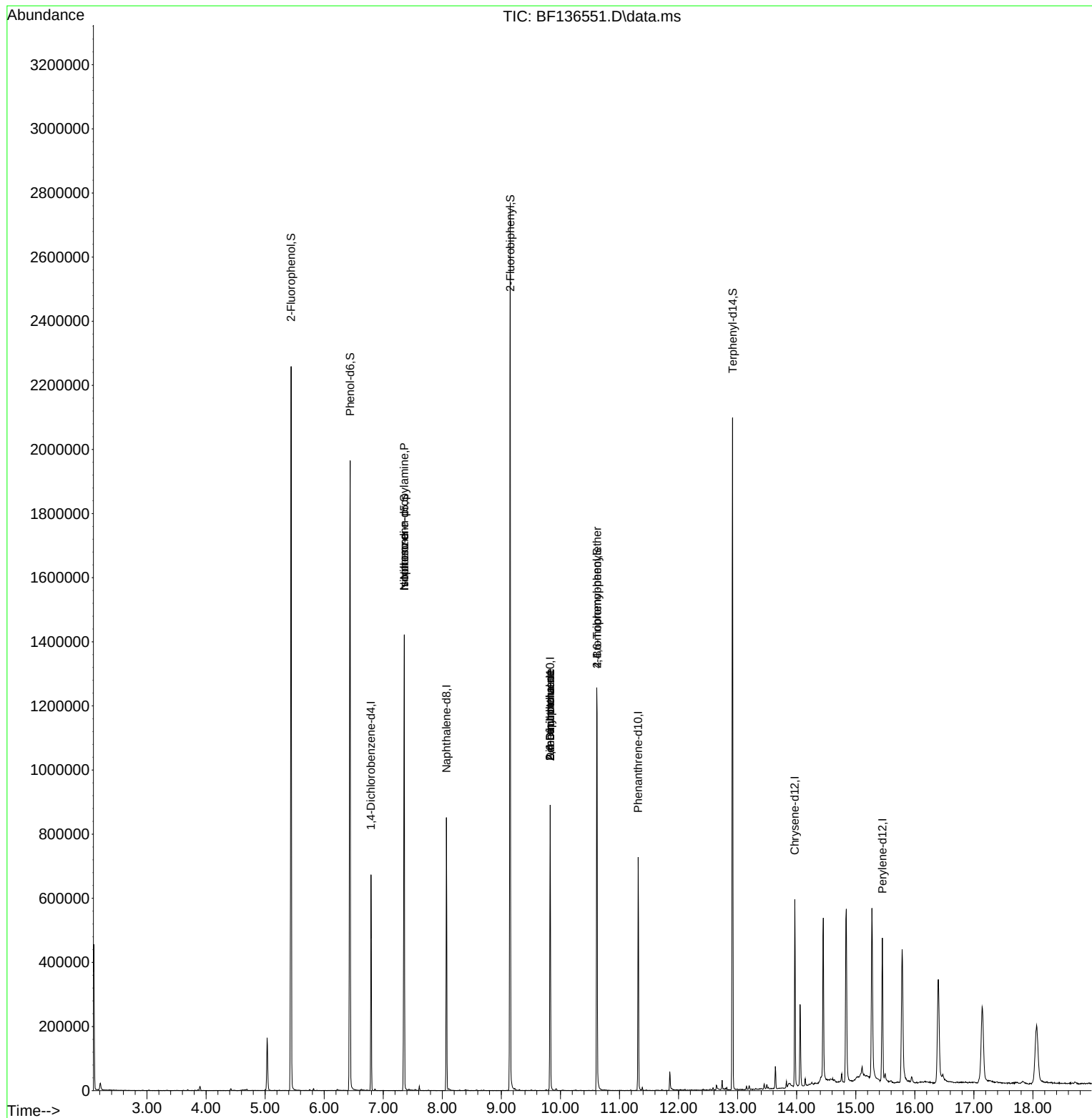
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	94782	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	360202	20.000	ng	-0.01
39) Acenaphthene-d10	9.827	164	164901	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	260880	20.000	ng	-0.01
76) Chrysene-d12	13.968	240	189551	20.000	ng	-0.01
86) Perylene-d12	15.451	264	208895	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	615761	95.944	ng	0.00
7) Phenol-d6	6.439	99	750710	93.752	ng	0.00
23) Nitrobenzene-d5	7.357	82	443584	66.575	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	169582	83.405	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	852481	70.540	ng	-0.01
79) Terphenyl-d14	12.916	244	711720	49.490	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	6.434	77	990	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	57296	12.404	ng	# 73
25) Isophorone	7.357	82	443653	37.062	ng	# 65
50) Dimethylphthalate	9.827	163	33014	2.719	ng	# 1
51) 2,6-Dinitrotoluene	9.827	165	20648	7.560	ng	# 29
57) 2,4-Dinitrotoluene	9.827	165	20648	5.715	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	10756	3.546	ng	# 1
77) Benzidine	12.916	184	8018	Below Cal	#	93

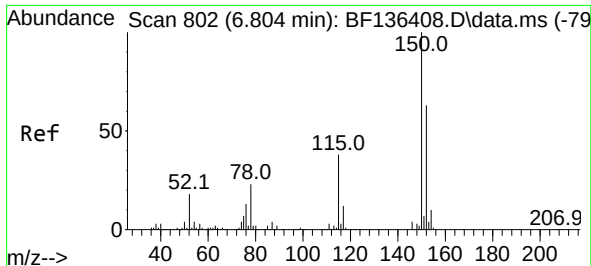
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
Data File : BF136551.D
Acq On : 13 Dec 2023 22:22
Operator : CG\JU
Sample : 05624-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

Quant Time: Dec 14 01:46:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 06 09:40:27 2023
Response via : Initial Calibration

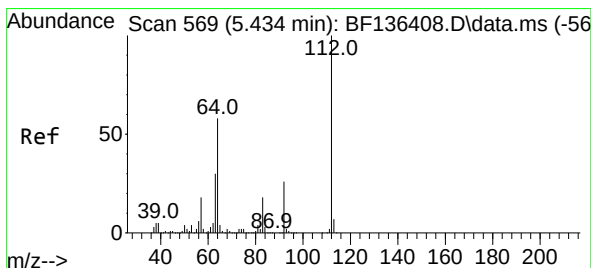
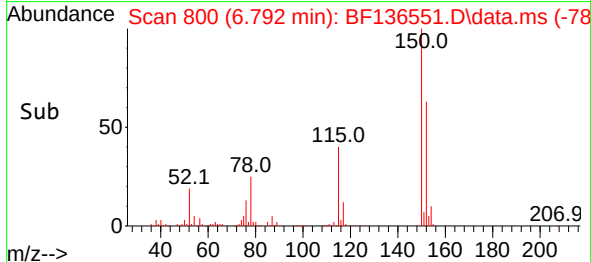
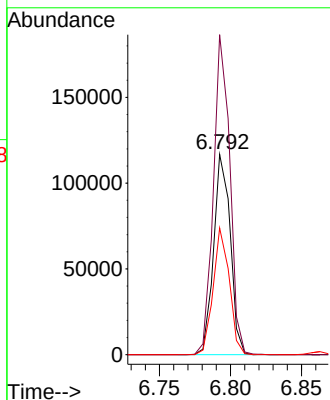
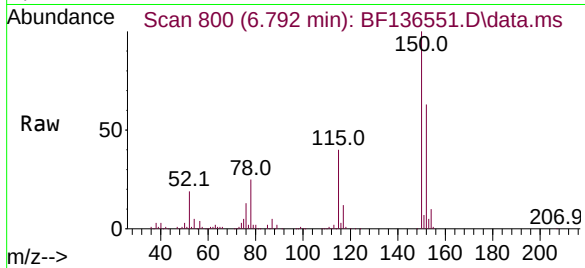




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

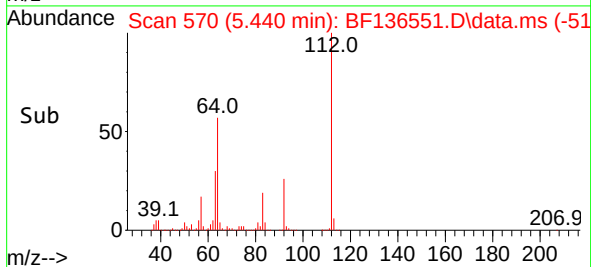
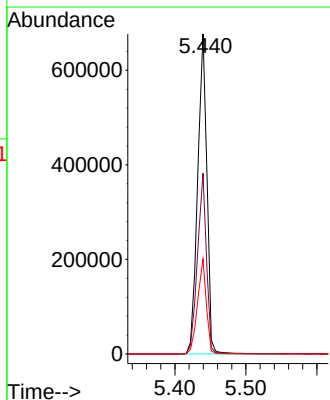
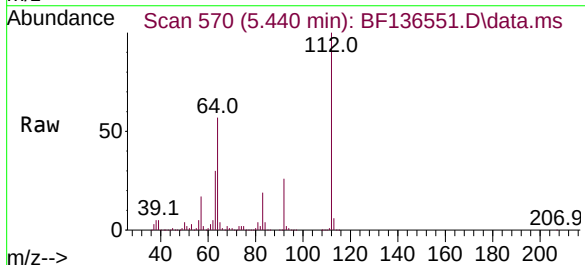
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

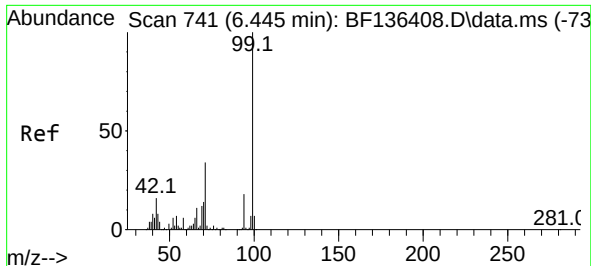
Tgt Ion:152 Resp: 94782
Ion Ratio Lower Upper
152 100
150 159.7 126.4 189.6
115 63.3 48.2 72.4



#5
2-Fluorophenol
Concen: 95.944 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

Tgt Ion:112 Resp: 615761
Ion Ratio Lower Upper
112 100
64 56.5 46.5 69.7
63 29.6 23.9 35.9

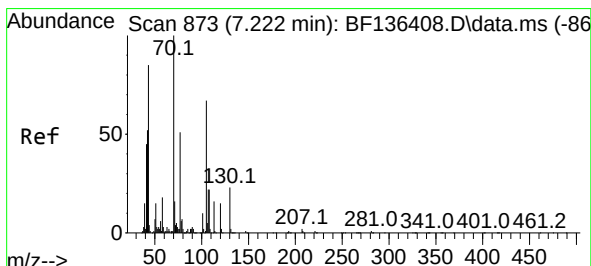
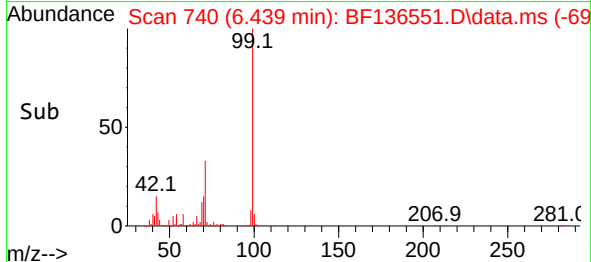
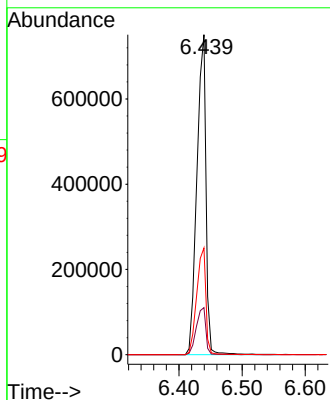
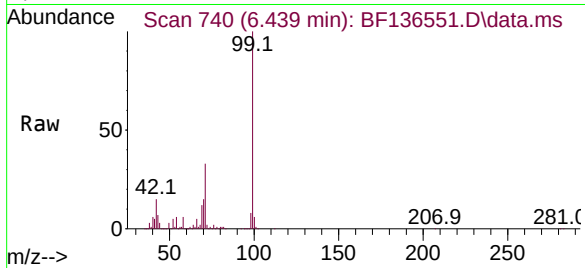




#7
Phenol-d6
Concen: 93.752 ng
RT: 6.439 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

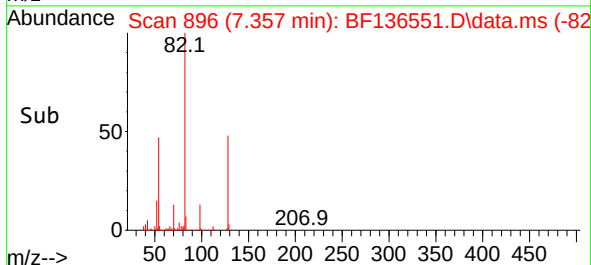
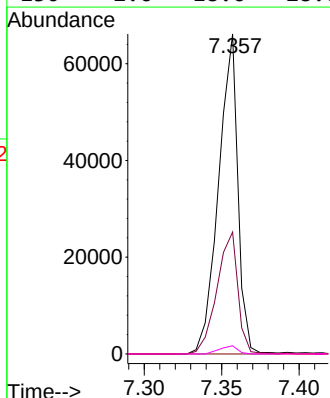
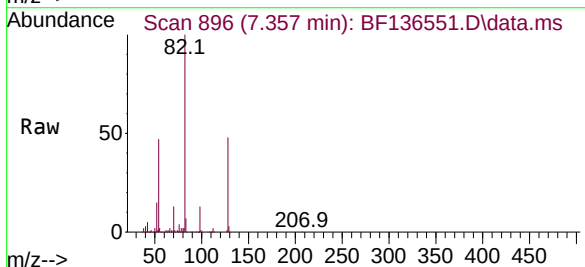
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

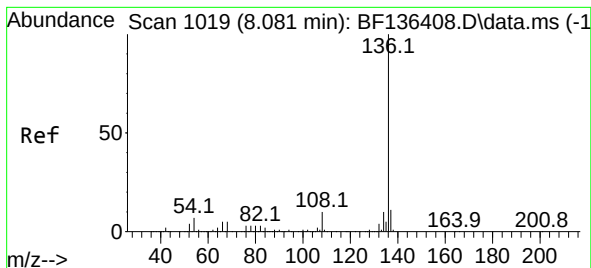
Tgt Ion: 99 Resp: 750710
Ion Ratio Lower Upper
99 100
42 14.7 12.8 19.2
71 33.4 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.404 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

Tgt Ion: 70 Resp: 57296
Ion Ratio Lower Upper
70 100
42 38.1 41.4 62.0#
101 0.0 8.2 12.4#
130 2.6 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.069 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136551.D

Acq: 13 Dec 2023 22:22

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-1

Tgt Ion:136 Resp: 360202

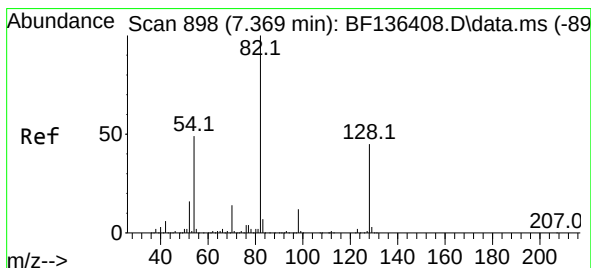
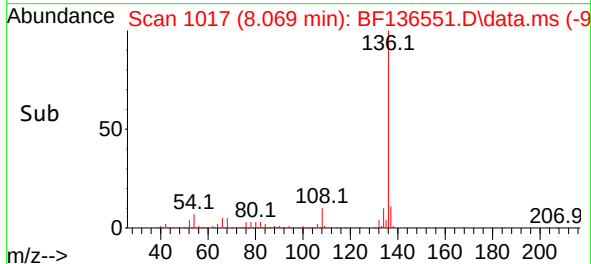
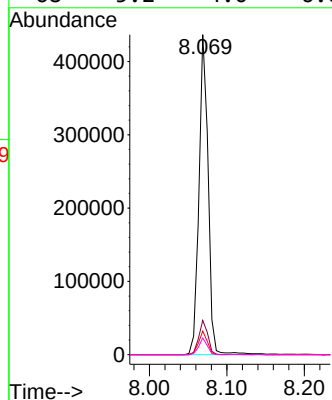
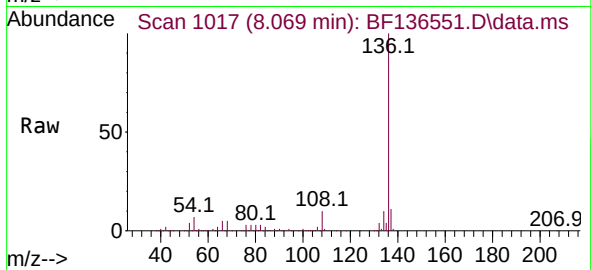
Ion Ratio Lower Upper

136 100

137 10.7 8.6 12.8

54 7.3 5.7 8.5

68 5.2 4.0 6.0



#23

Nitrobenzene-d5

Concen: 66.575 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF136551.D

Acq: 13 Dec 2023 22:22

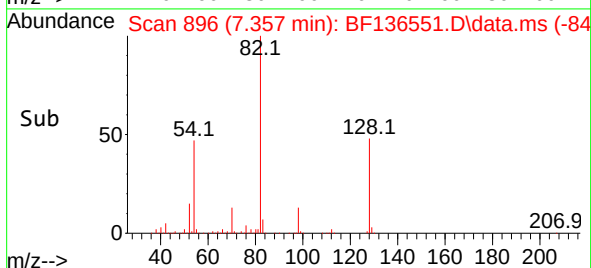
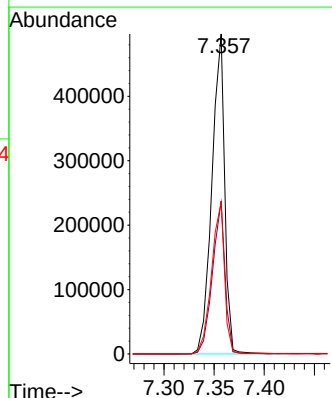
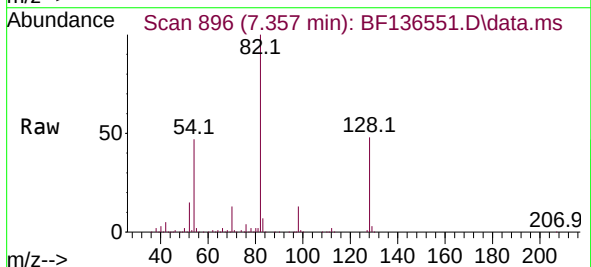
Tgt Ion: 82 Resp: 443584

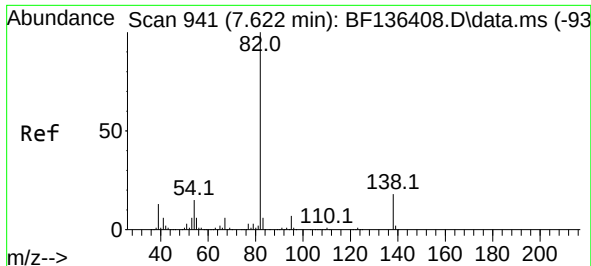
Ion Ratio Lower Upper

82 100

128 47.8 36.3 54.5

54 47.4 39.0 58.6

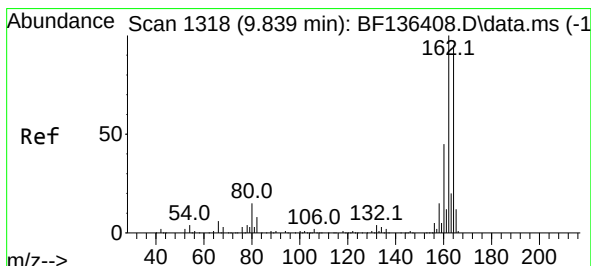
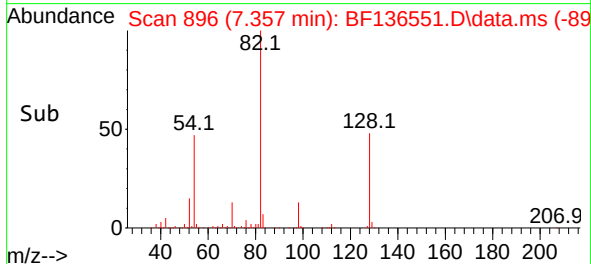
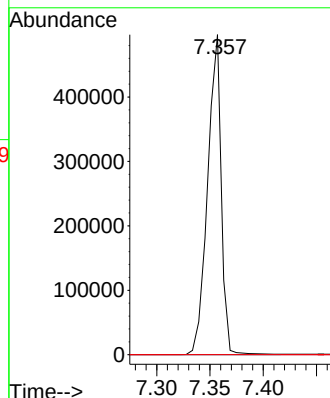
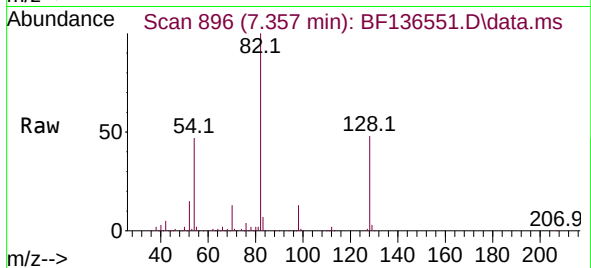




#25
Isophorone
Concen: 37.062 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

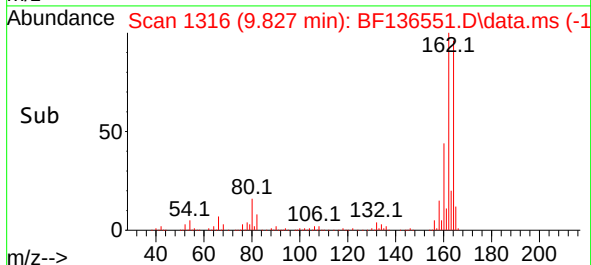
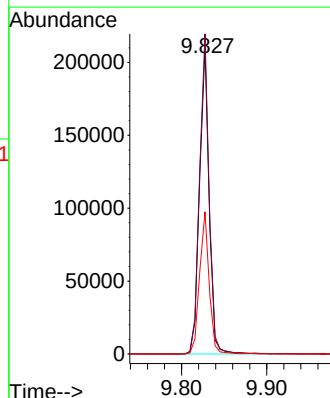
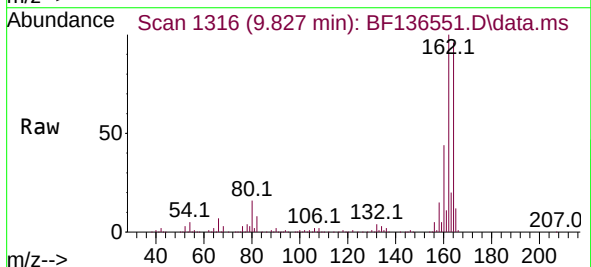
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

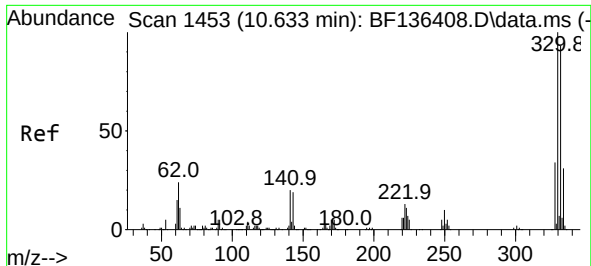
Tgt Ion: 82 Resp: 443653
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

Tgt Ion: 164 Resp: 164901
Ion Ratio Lower Upper
164 100
162 104.1 84.4 126.6
160 46.3 37.6 56.4

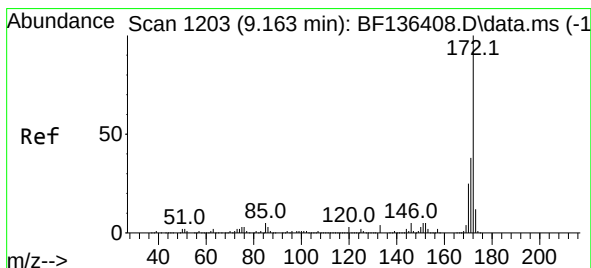
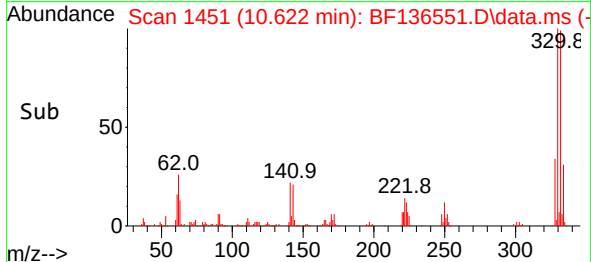
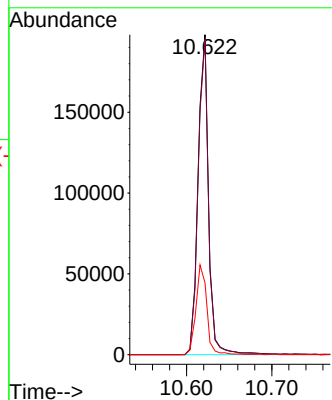
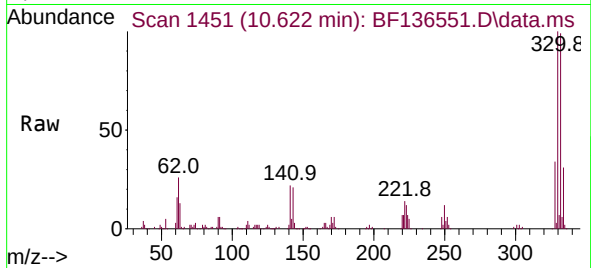




#42
2,4,6-Tribromophenol
Concen: 83.405 ng
RT: 10.622 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

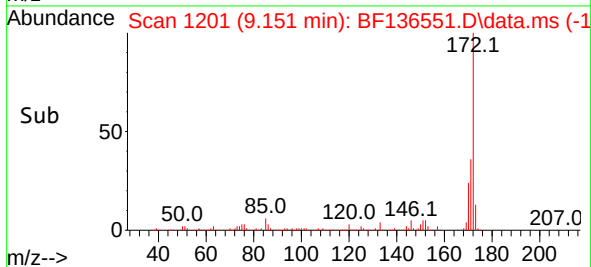
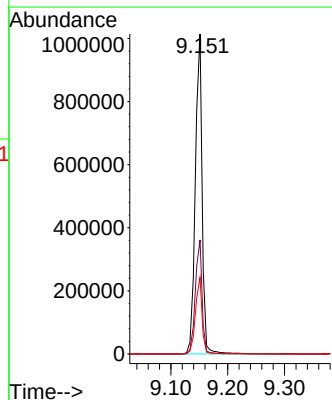
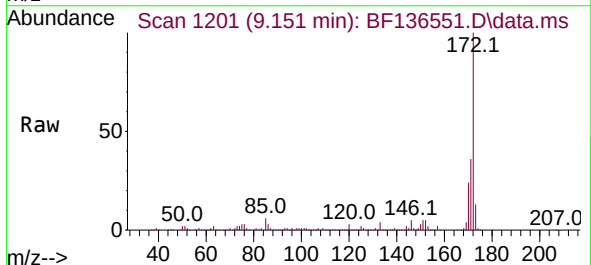
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

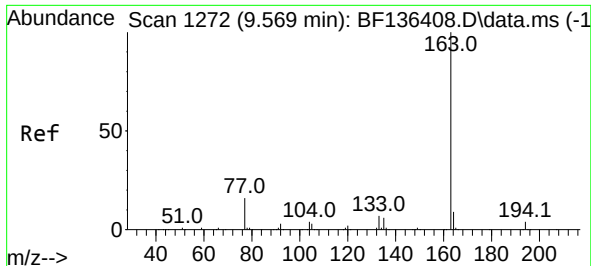
Tgt Ion:330 Resp: 169582
Ion Ratio Lower Upper
330 100
332 98.1 76.4 114.6
141 29.1 23.4 35.2



#45
2-Fluorobiphenyl
Concen: 70.540 ng
RT: 9.151 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

Tgt Ion:172 Resp: 852481
Ion Ratio Lower Upper
172 100
171 35.6 30.5 45.7
170 23.9 19.9 29.9

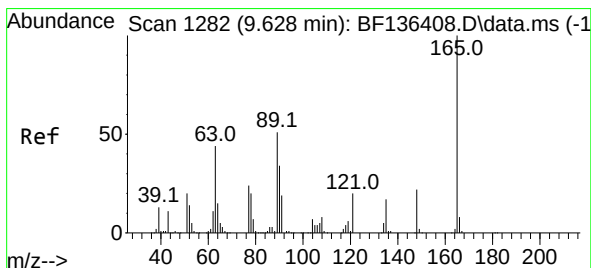
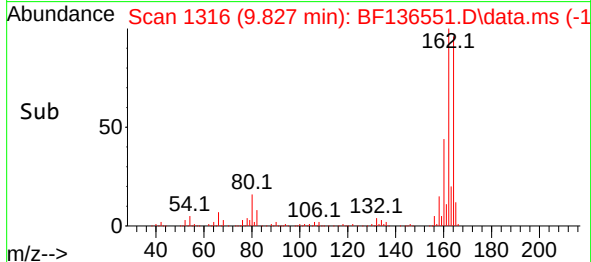
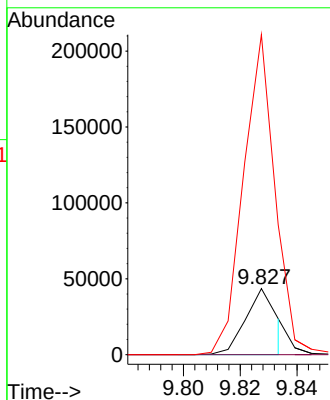
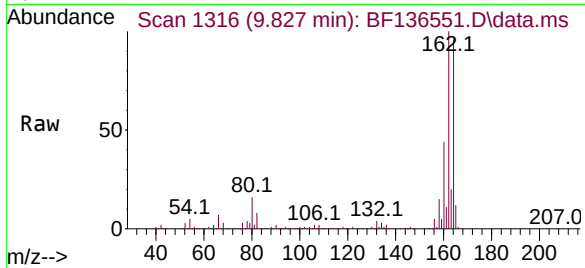




#50
Dimethylphthalate
Concen: 2.719 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

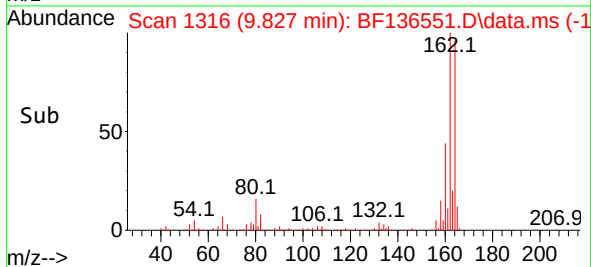
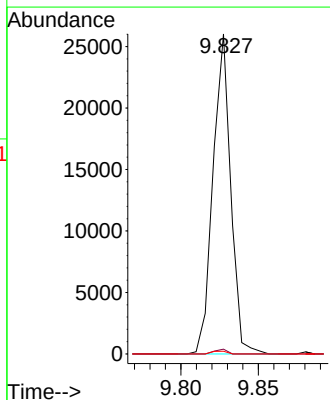
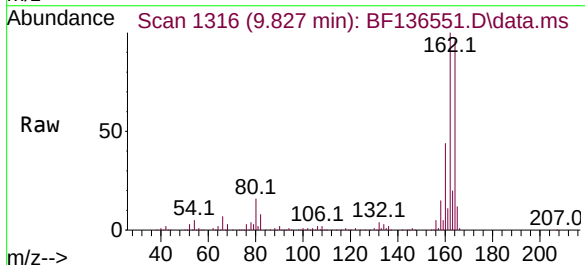
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

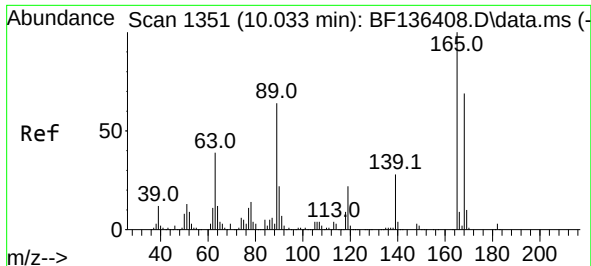
Tgt Ion:163 Resp: 33014
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 484.3 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.560 ng
RT: 9.827 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

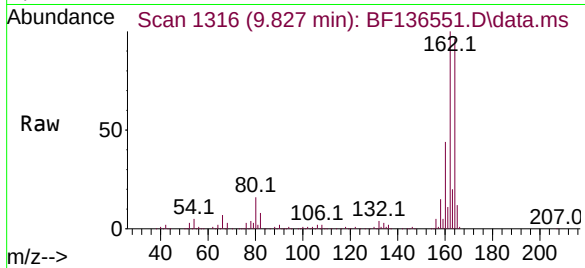
Tgt Ion:165 Resp: 20648
Ion Ratio Lower Upper
165 100
63 1.5 40.4 60.6#
89 0.9 40.6 60.8#



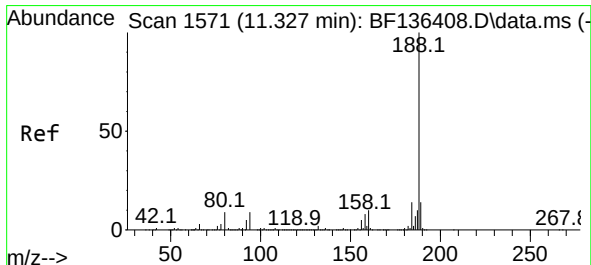
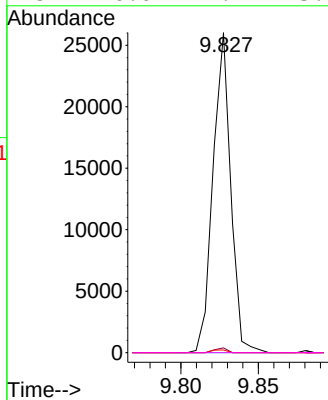
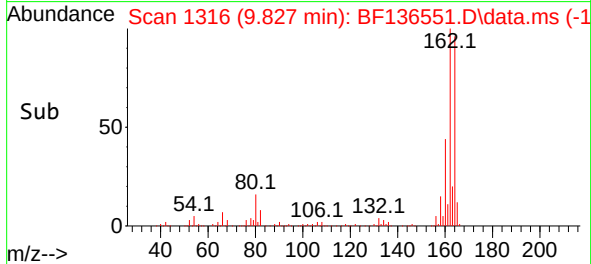


#57
2,4-Dinitrotoluene
Concen: 5.715 ng
RT: 9.827 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

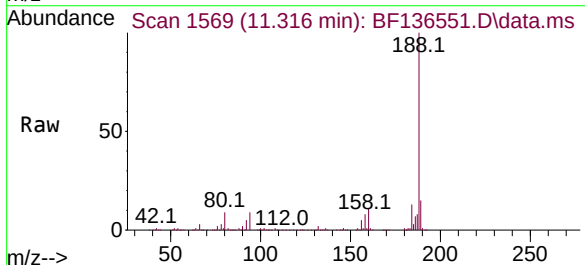
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1



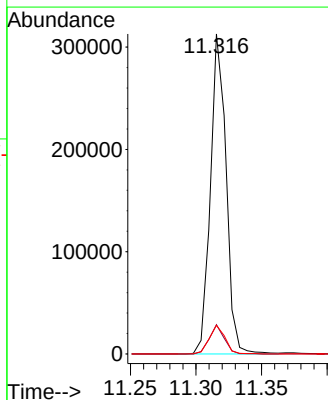
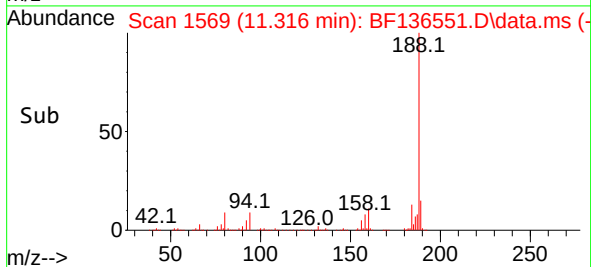
Tgt Ion:165 Resp: 20648
Ion Ratio Lower Upper
165 100
63 1.5 31.4 47.2#
89 0.9 51.7 77.5#
182 0.0 2.2 3.2#

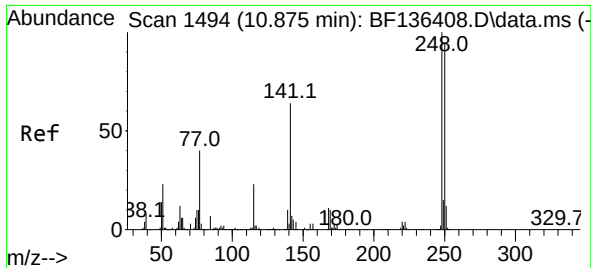


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22



Tgt Ion:188 Resp: 260880
Ion Ratio Lower Upper
188 100
94 9.2 7.2 10.8
80 9.0 7.2 10.8

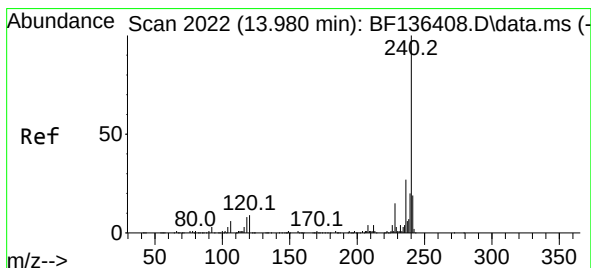
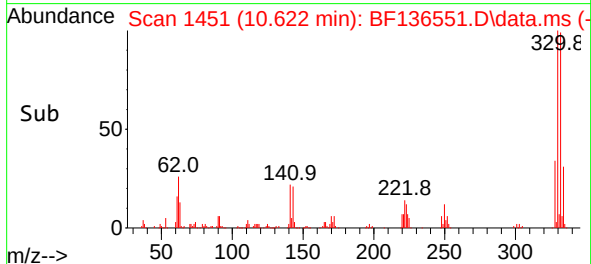
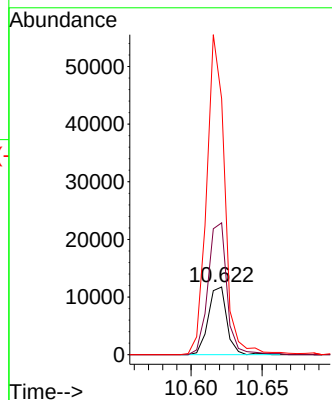
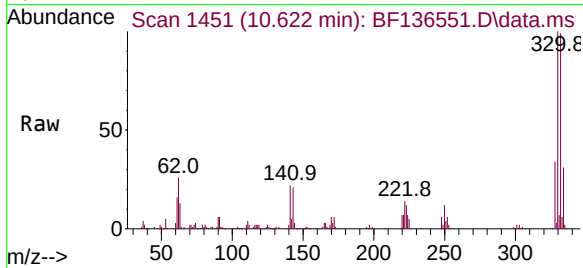




#67
4-Bromophenyl-phenylether
Concen: 3.546 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

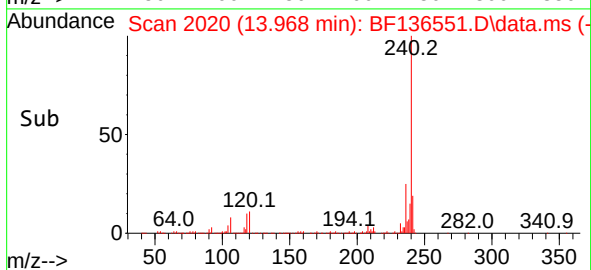
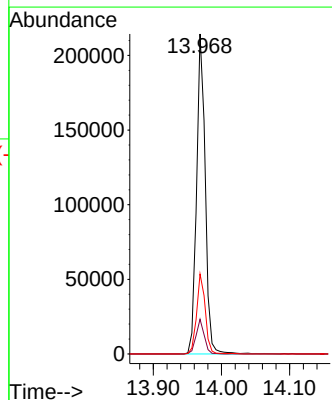
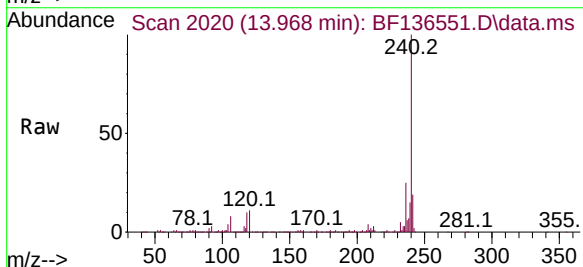
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

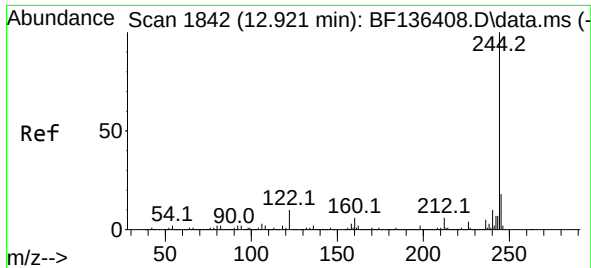
Tgt Ion:248 Resp: 10756
Ion Ratio Lower Upper
248 100
250 194.6 76.2 114.2#
141 377.8 51.0 76.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136551.D
Acq: 13 Dec 2023 22:22

Tgt Ion:240 Resp: 189551
Ion Ratio Lower Upper
240 100
120 10.9 7.3 10.9
236 25.0 21.3 31.9

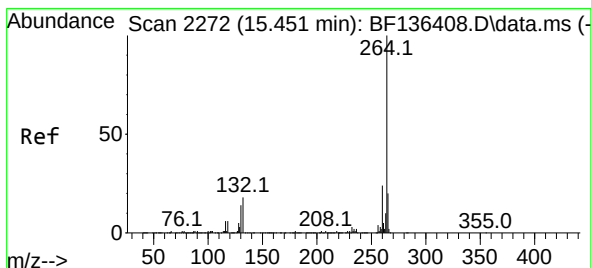
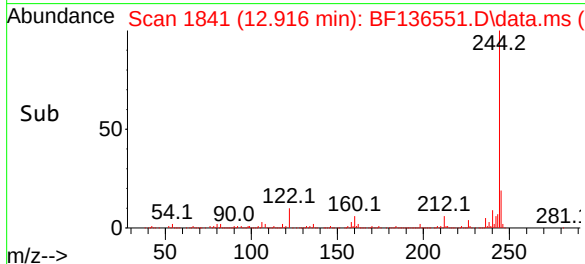
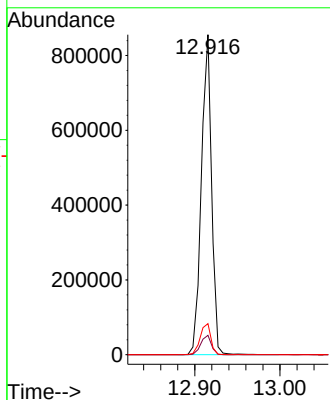
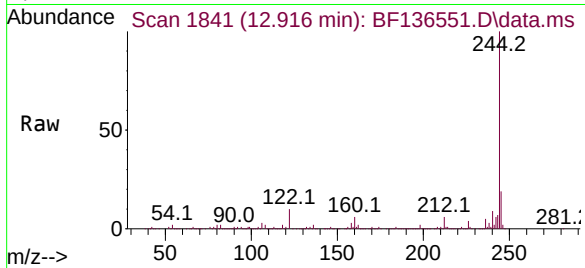




#79
 Terphenyl-d14
 Concen: 49.490 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136551.D
 Acq: 13 Dec 2023 22:22

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-1

Tgt Ion:244 Resp: 711720
 Ion Ratio Lower Upper
 244 100
 212 6.1 5.0 7.4
 122 9.7 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. -0.000 min
 Lab File: BF136551.D
 Acq: 13 Dec 2023 22:22

Tgt Ion:264 Resp: 208895
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.2 28.8
 265 21.2 15.9 23.9

