

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121223\
 Data File : BF136528.D
 Acq On : 12 Dec 2023 21:34
 Operator : CG\JU
 Sample : 05624-01
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-1

Quant Time: Dec 12 23:21:35 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)

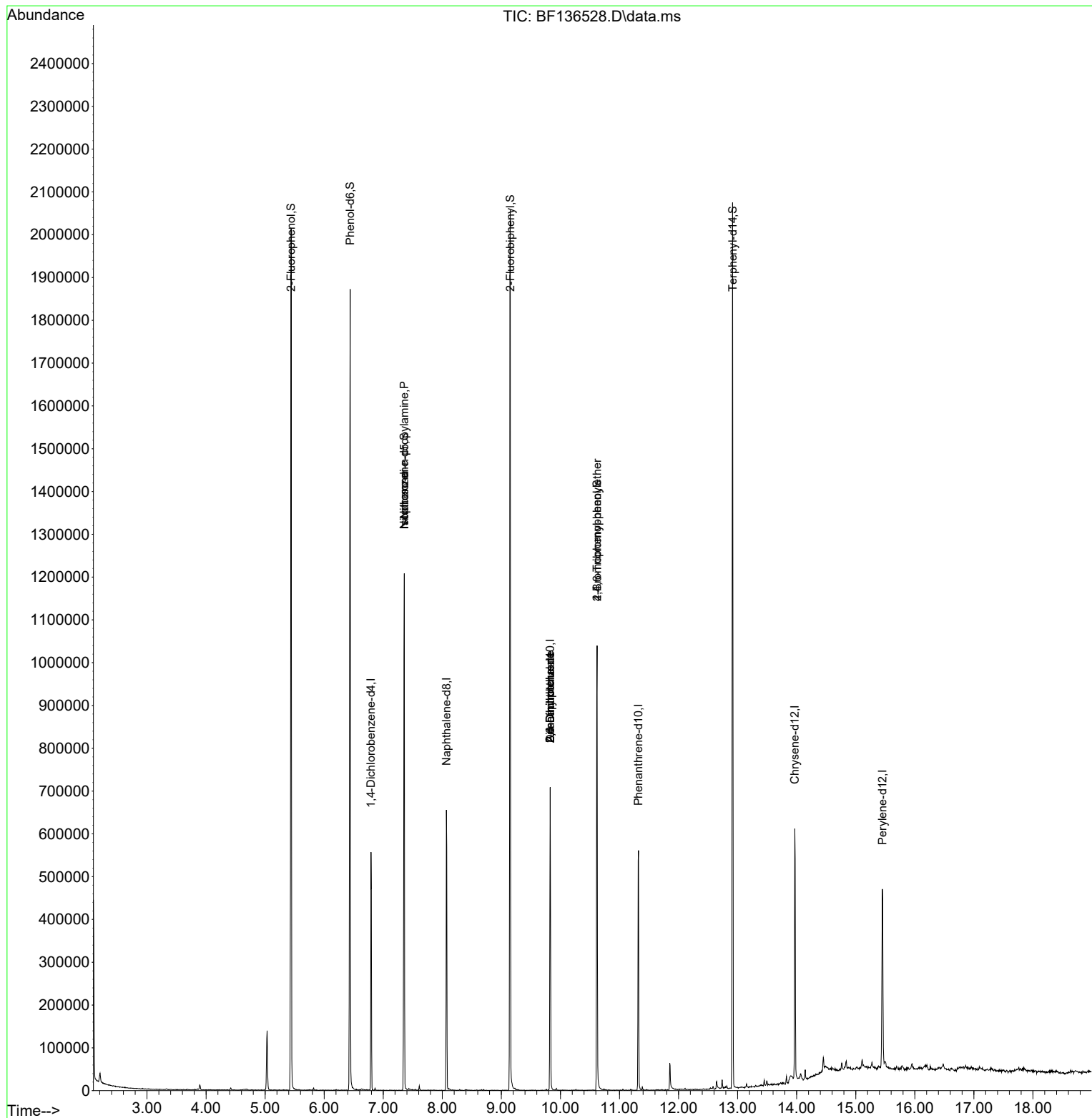
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	80081	20.000	ng	-0.01
21) Naphthalene-d8	8.069	136	291167	20.000	ng	-0.01
39) Acenaphthene-d10	9.828	164	134017	20.000	ng	-0.01
64) Phenanthrene-d10	11.322	188	218529	20.000	ng	0.00
76) Chrysene-d12	13.968	240	202049	20.000	ng	#-0.01
86) Perylene-d12	15.451	264	197586	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	534333	98.540	ng	0.00
7) Phenol-d6	6.440	99	642773	95.009	ng	0.00
23) Nitrobenzene-d5	7.357	82	376637	69.929	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	139061	84.155	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	675469	68.773	ng	-0.01
79) Terphenyl-d14	12.916	244	676893	44.156	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.440	77	914	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.357	70	47742	12.233	ng	# 75
25) Isophorone	7.357	82	376632	38.923	ng	# 65
50) Dimethylphthalate	9.828	163	26880	2.724	ng	# 1
51) 2,6-Dinitrotoluene	9.828	165	17115	7.710	ng	# 28
57) 2,4-Dinitrotoluene	9.828	165	17115	5.828	ng	# 28
67) 4-Bromophenyl-phenylether	10.622	248	8247	3.246	ng	# 1
77) Benzidine	12.916	184	7580	Below Cal	#	92

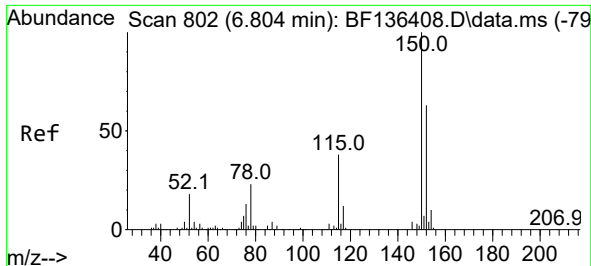
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 12 23:21:35 2023
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QLast Update : Wed Dec 06 09:40:27 2023
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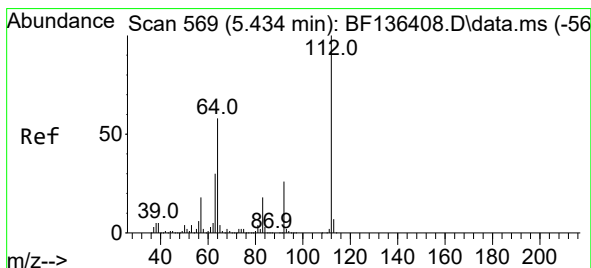
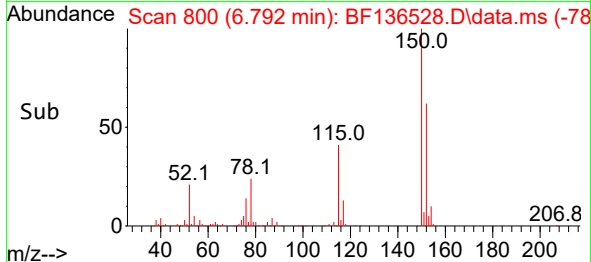
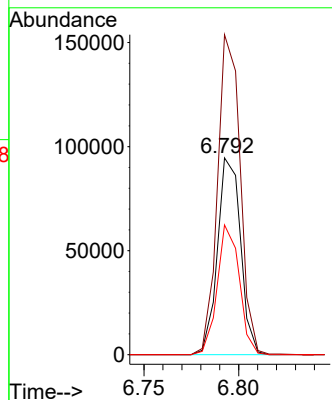
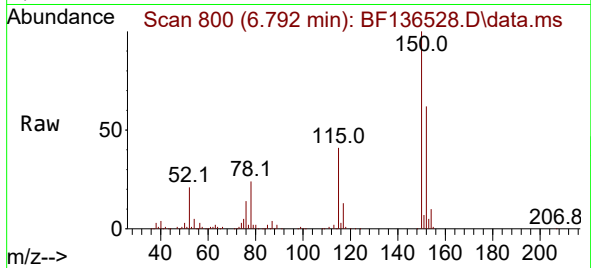




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

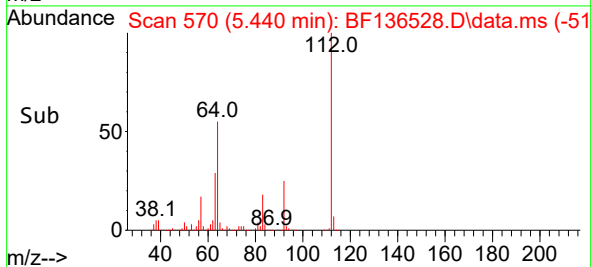
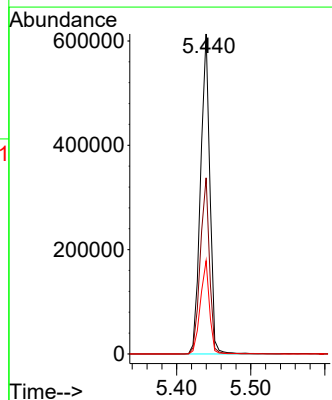
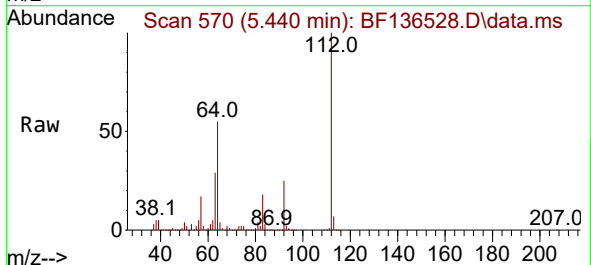
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

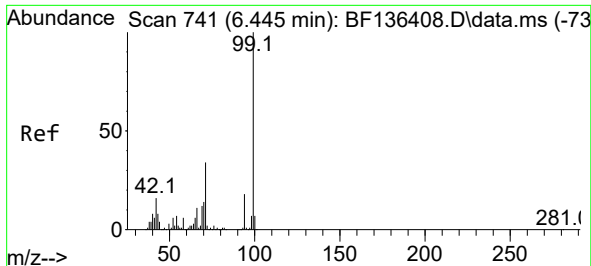
Tgt Ion:152 Resp: 80081
Ion Ratio Lower Upper
152 100
150 162.5 126.4 189.6
115 65.9 48.2 72.4



#5
2-Fluorophenol
Concen: 98.540 ng
RT: 5.440 min Scan# 570
Delta R.T. 0.006 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

Tgt Ion:112 Resp: 534333
Ion Ratio Lower Upper
112 100
64 55.1 46.5 69.7
63 29.1 23.9 35.9

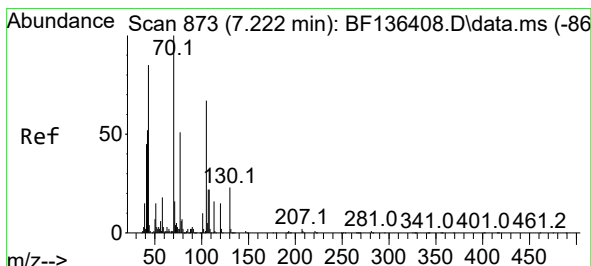
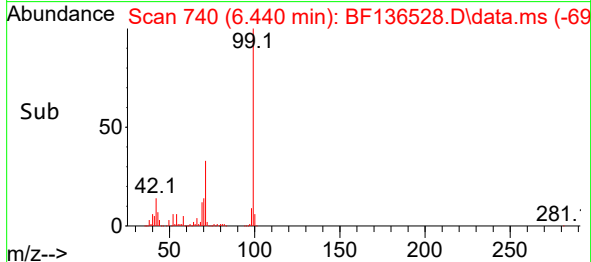
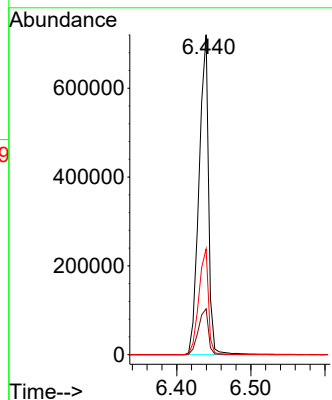
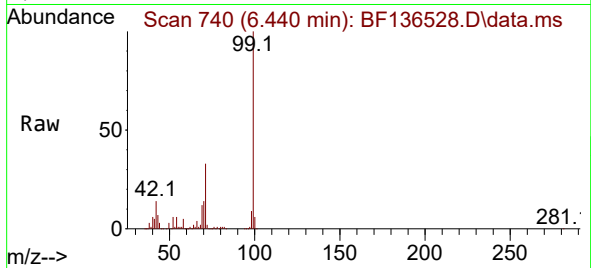




#7
Phenol-d6
Concen: 95.009 ng
RT: 6.440 min Scan# 741
Delta R.T. -0.006 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

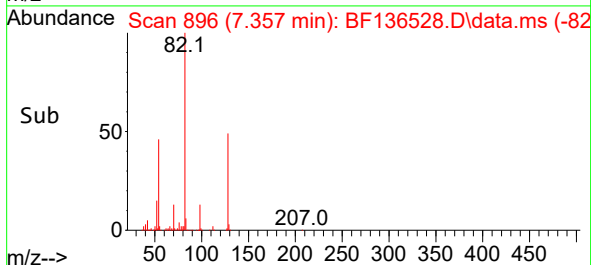
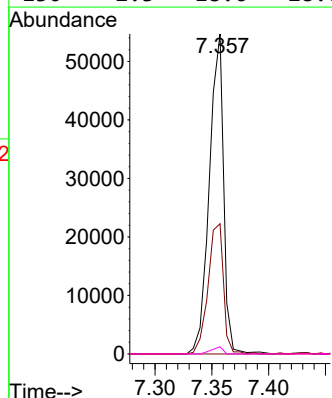
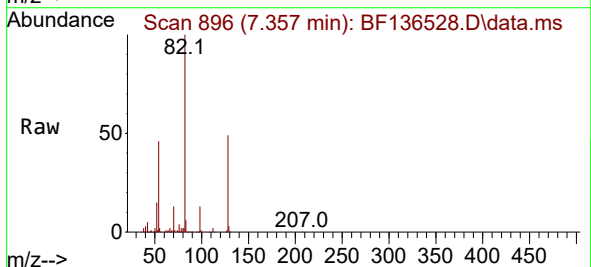
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

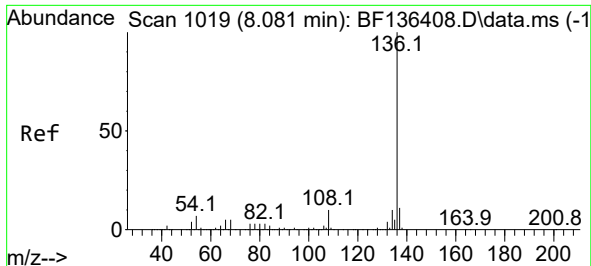
Tgt Ion: 99 Resp: 642773
Ion Ratio Lower Upper
99 100
42 14.4 12.8 19.2
71 33.0 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 12.233 ng
RT: 7.357 min Scan# 896
Delta R.T. 0.135 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

Tgt Ion: 70 Resp: 47742
Ion Ratio Lower Upper
70 100
42 40.7 41.4 62.0#
101 0.0 8.2 12.4#
130 2.3 18.6 28.0#



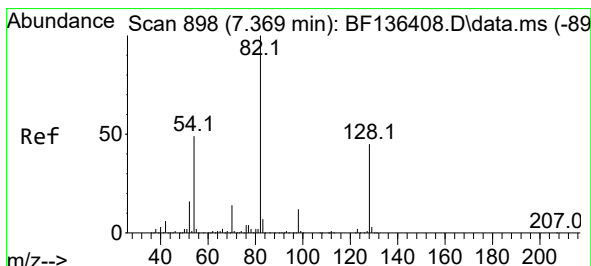
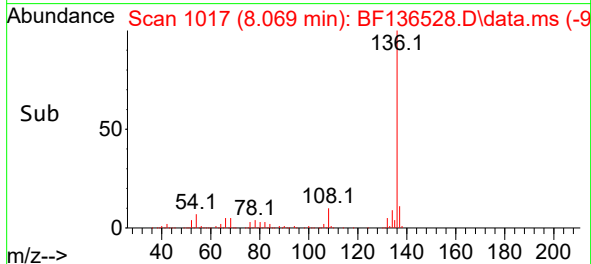
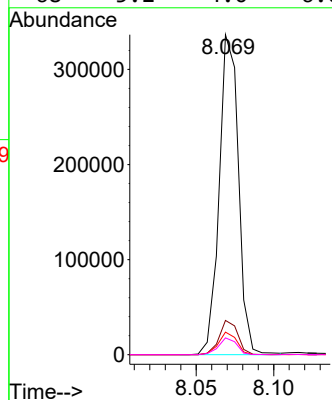
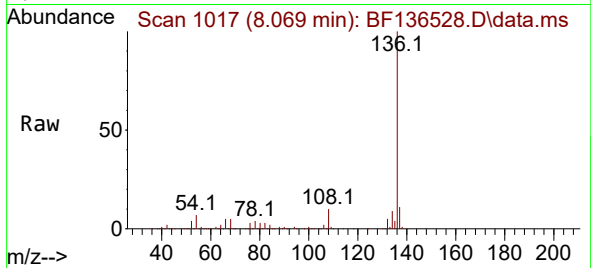


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. -0.012 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

Tgt Ion:136 Resp: 291167

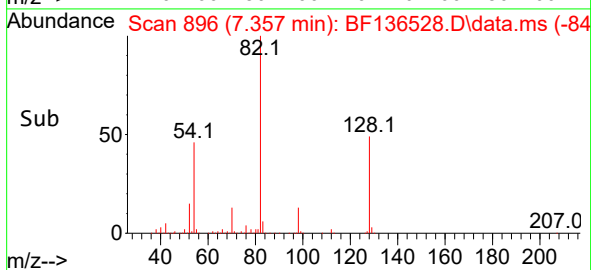
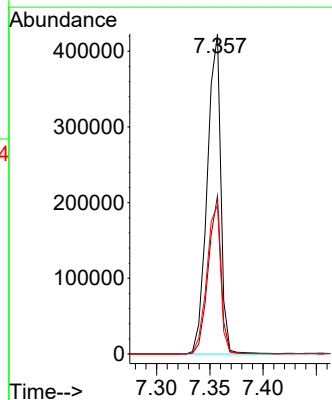
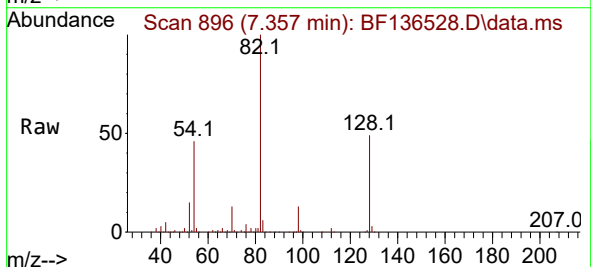
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	7.1	5.7	8.5
68	5.2	4.0	6.0

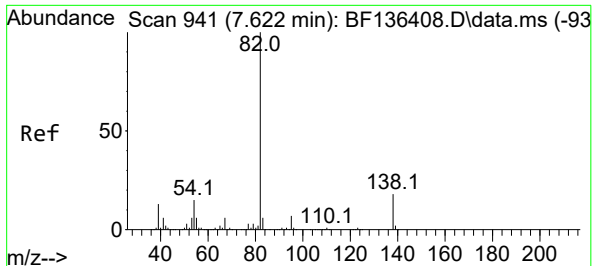


#23
Nitrobenzene-d5
Concen: 69.929 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

Tgt Ion: 82 Resp: 376637

Ion	Ratio	Lower	Upper
82	100		
128	49.4	36.3	54.5
54	46.5	39.0	58.6

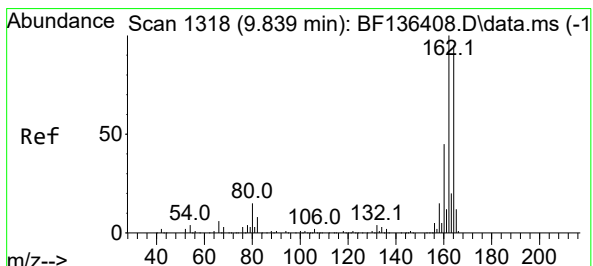
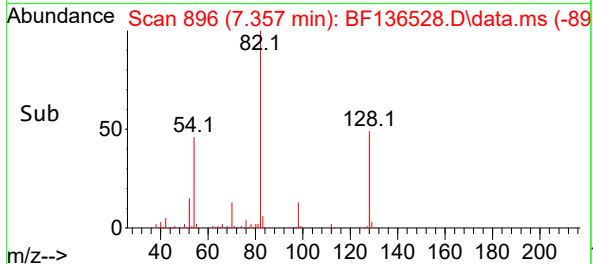
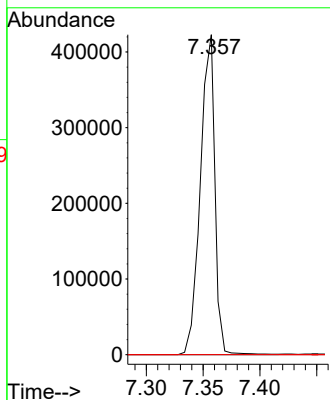
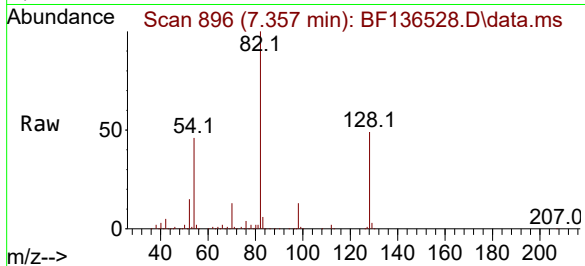




#25
Isophorone
Concen: 38.923 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.265 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

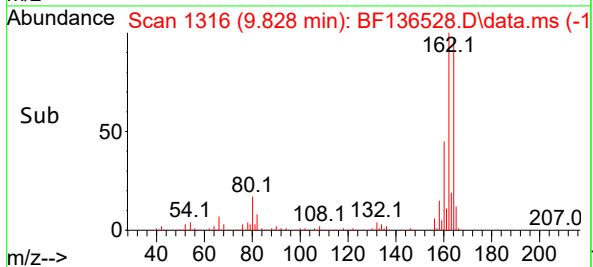
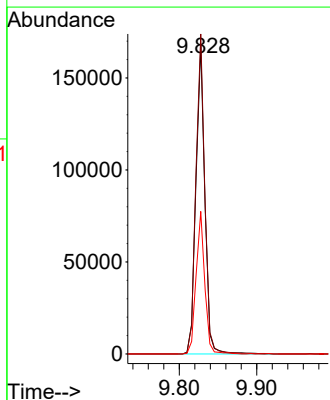
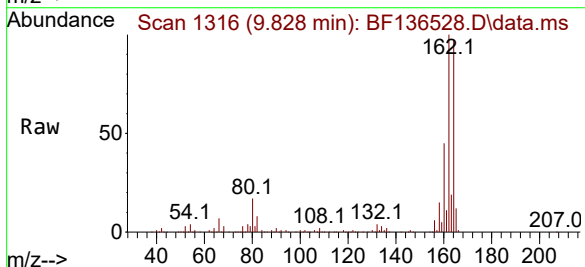
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

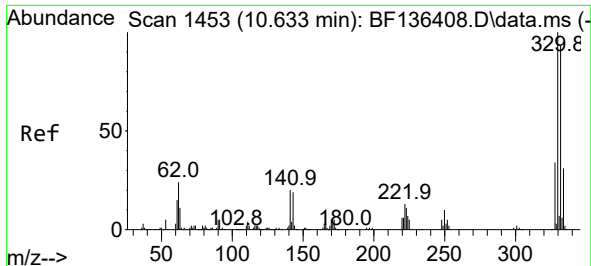
Tgt Ion: 82 Resp: 376632
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

Tgt Ion:164 Resp: 134017
Ion Ratio Lower Upper
164 100
162 103.6 84.4 126.6
160 46.2 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 84.155 ng

RT: 10.622 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136528.D

Acq: 12 Dec 2023 21:34

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-1

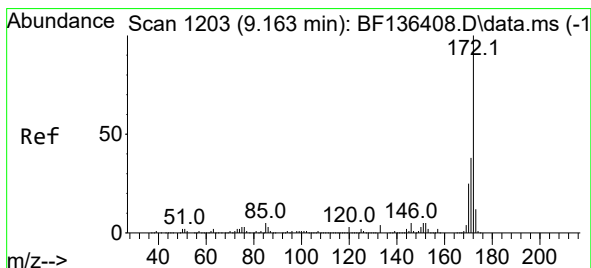
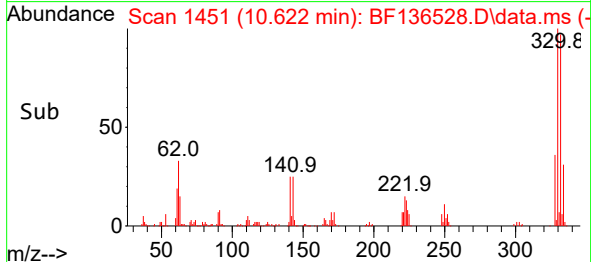
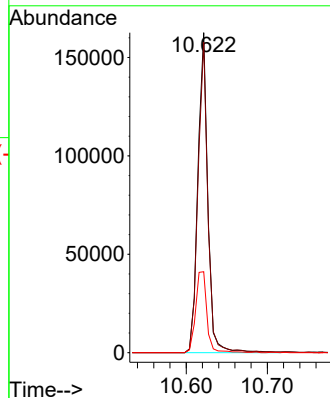
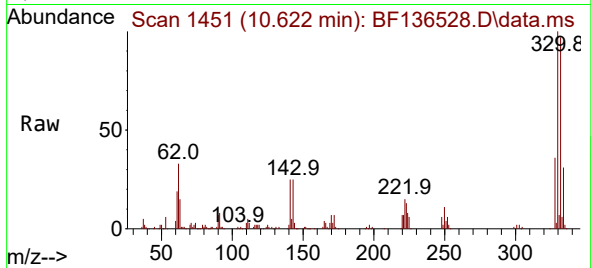
Tgt Ion:330 Resp: 139061

Ion Ratio Lower Upper

330 100

332 97.0 76.4 114.6

141 28.9 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 68.773 ng

RT: 9.151 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF136528.D

Acq: 12 Dec 2023 21:34

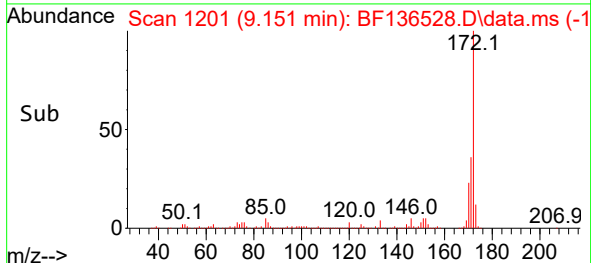
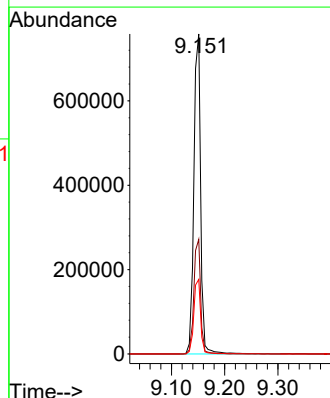
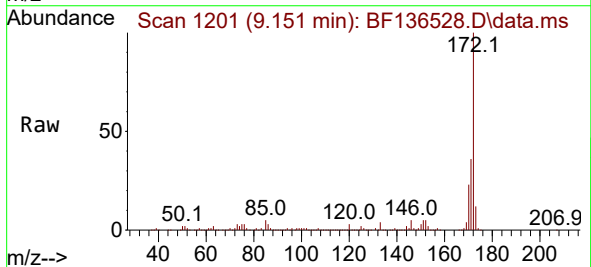
Tgt Ion:172 Resp: 675469

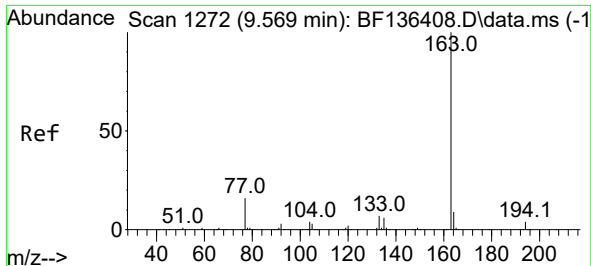
Ion Ratio Lower Upper

172 100

171 35.8 30.5 45.7

170 23.3 19.9 29.9

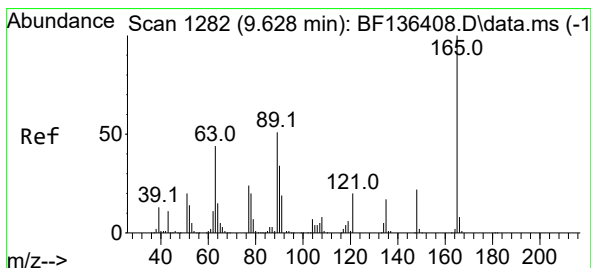
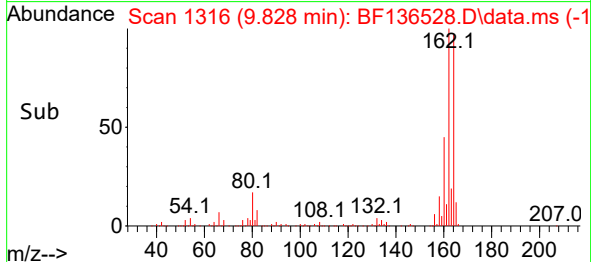
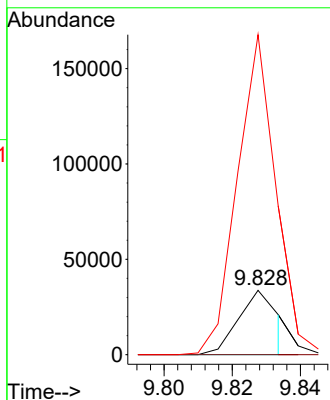
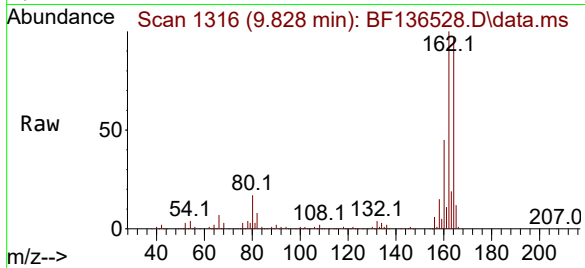




#50
Dimethylphthalate
Concen: 2.724 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.259 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

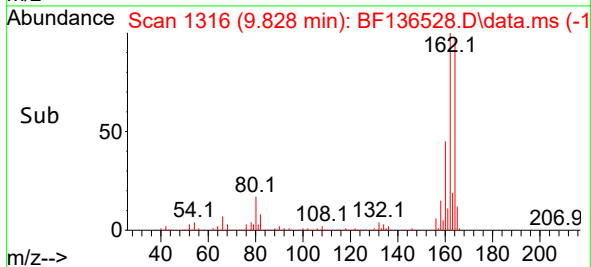
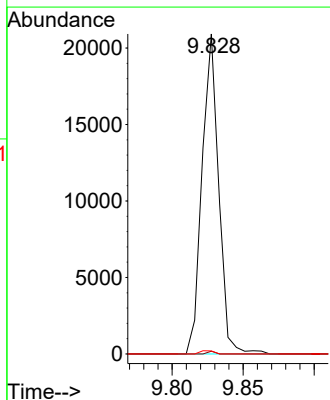
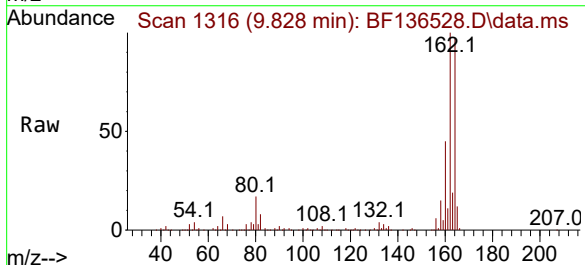
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

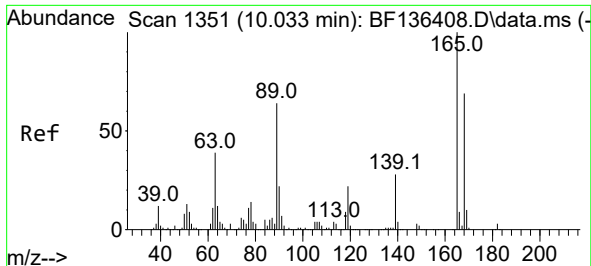
Tgt Ion:163 Resp: 26880
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 497.2 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.710 ng
RT: 9.828 min Scan# 1316
Delta R.T. 0.200 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

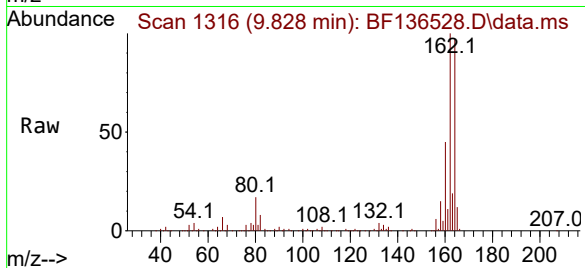
Tgt Ion:165 Resp: 17115
Ion Ratio Lower Upper
165 100
63 0.9 40.4 60.6#
89 1.0 40.6 60.8#



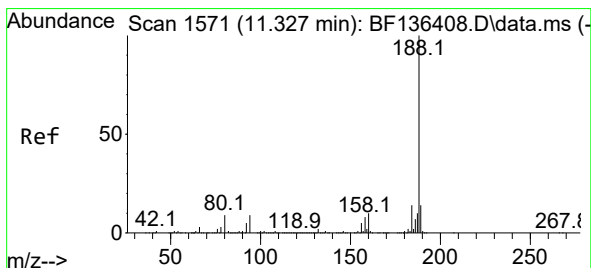
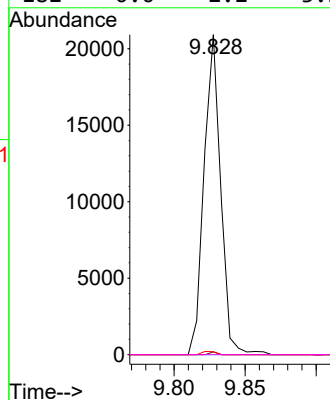
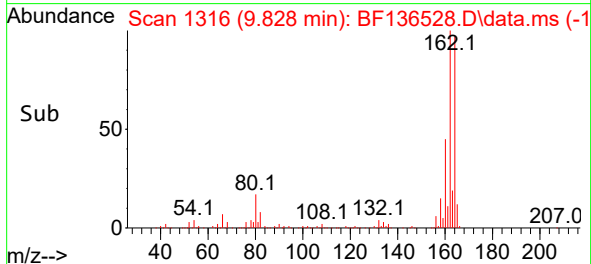


#57
2,4-Dinitrotoluene
Concen: 5.828 ng
RT: 9.828 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

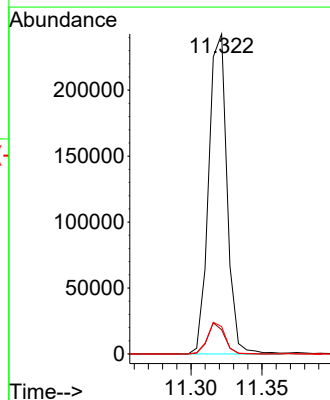
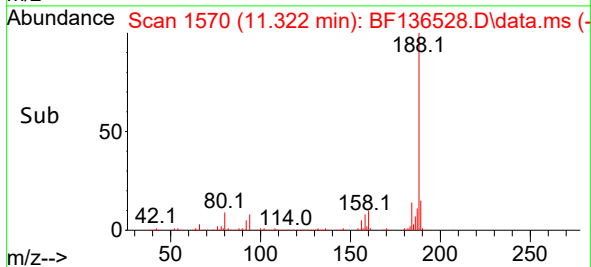
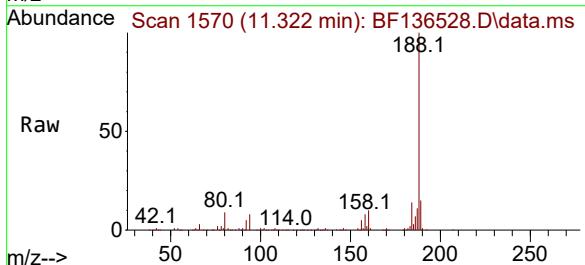


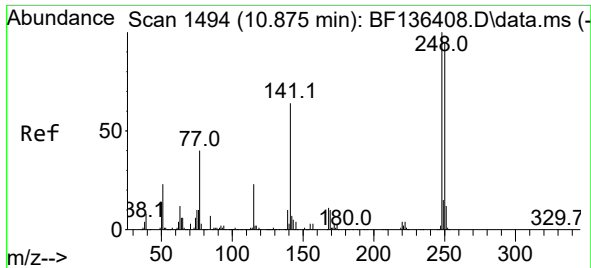
Tgt Ion:165 Resp: 17115
Ion Ratio Lower Upper
165 100
63 0.9 31.4 47.2#
89 1.0 51.7 77.5#
182 0.0 2.2 3.2#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.322 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

Tgt Ion:188 Resp: 218529
Ion Ratio Lower Upper
188 100
94 7.5 7.2 10.8
80 8.6 7.2 10.8

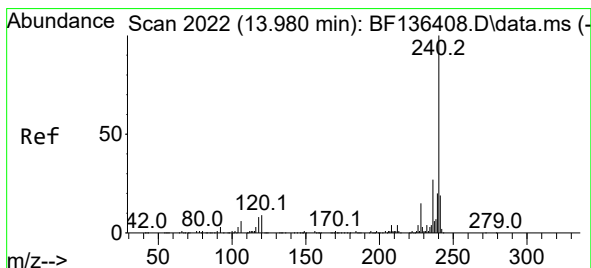
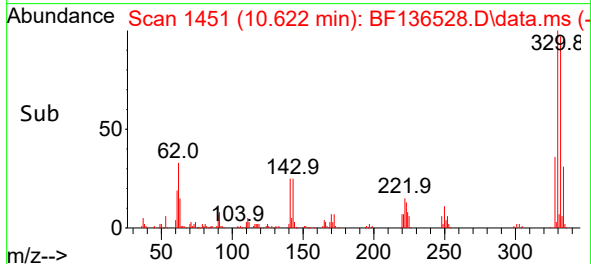
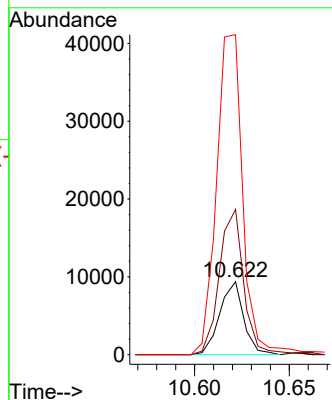
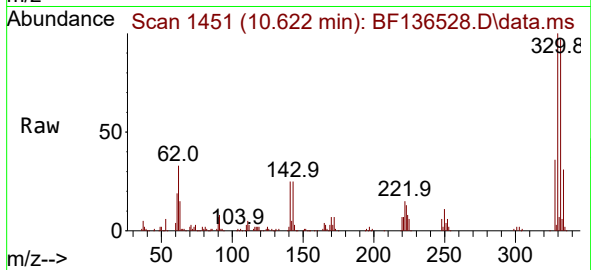




#67
4-Bromophenyl-phenylether
Concen: 3.246 ng
RT: 10.622 min Scan# 14
Delta R.T. -0.253 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

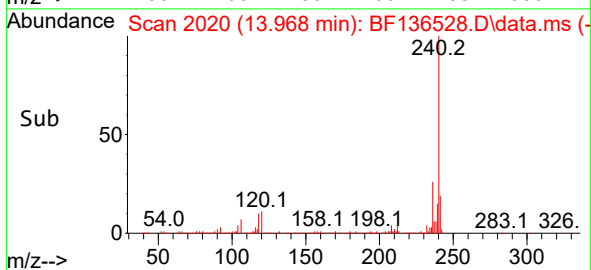
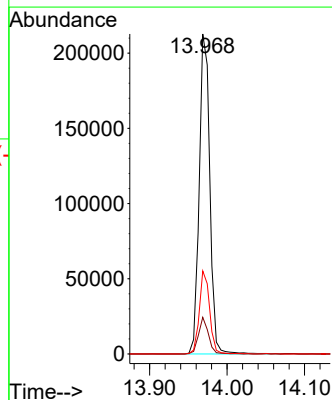
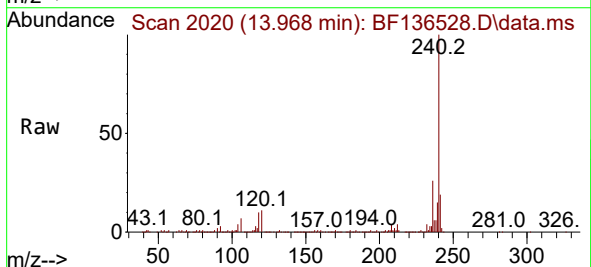
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-1

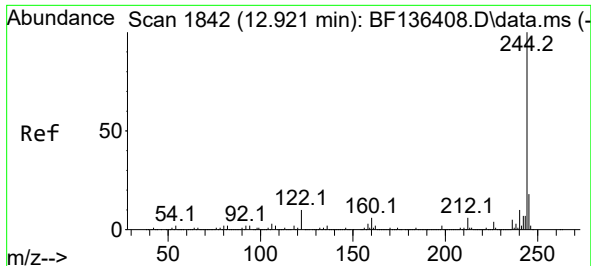
Tgt Ion:248 Resp: 8247
Ion Ratio Lower Upper
248 100
250 199.1 76.2 114.2#
141 438.7 51.0 76.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF136528.D
Acq: 12 Dec 2023 21:34

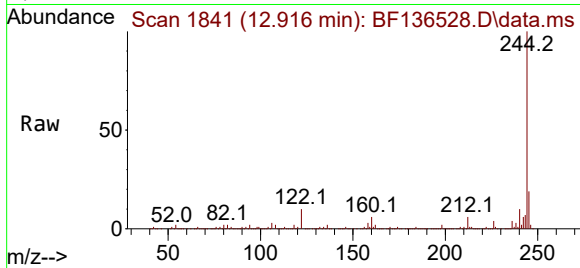
Tgt Ion:240 Resp: 202049
Ion Ratio Lower Upper
240 100
120 11.4 7.3 10.9#
236 26.0 21.3 31.9



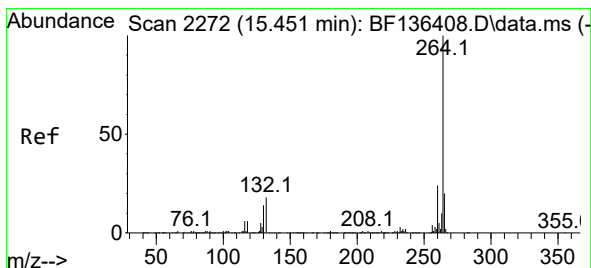
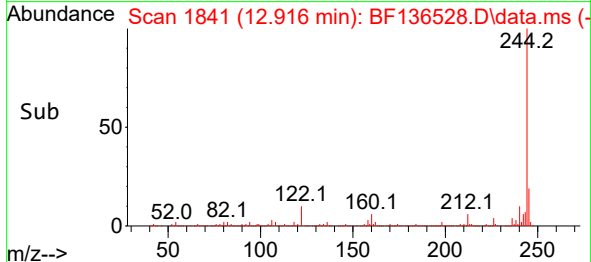
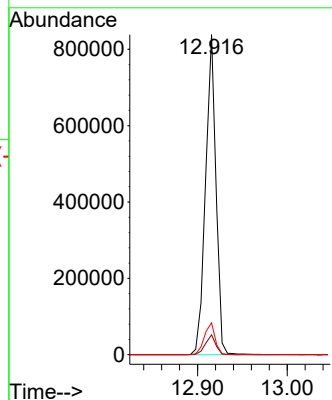


#79
 Terphenyl-d14
 Concen: 44.156 ng
 RT: 12.916 min Scan# 1841
 Delta R.T. -0.006 min
 Lab File: BF136528.D
 Acq: 12 Dec 2023 21:34

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-1



Tgt Ion:244 Resp: 676893
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 9.9 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: BF136528.D
 Acq: 12 Dec 2023 21:34

Tgt Ion:264 Resp: 197586
 Ion Ratio Lower Upper
 264 100
 260 23.0 19.2 28.8
 265 22.0 15.9 23.9

