

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
 Data File : BF136620.D
 Acq On : 18 Dec 2023 18:07
 Operator : CG\JU
 Sample : 05624-03RE
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2RE

Quant Time: Dec 19 01:05:19 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 00:56:37 2023
 Response via : Initial Calibration

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

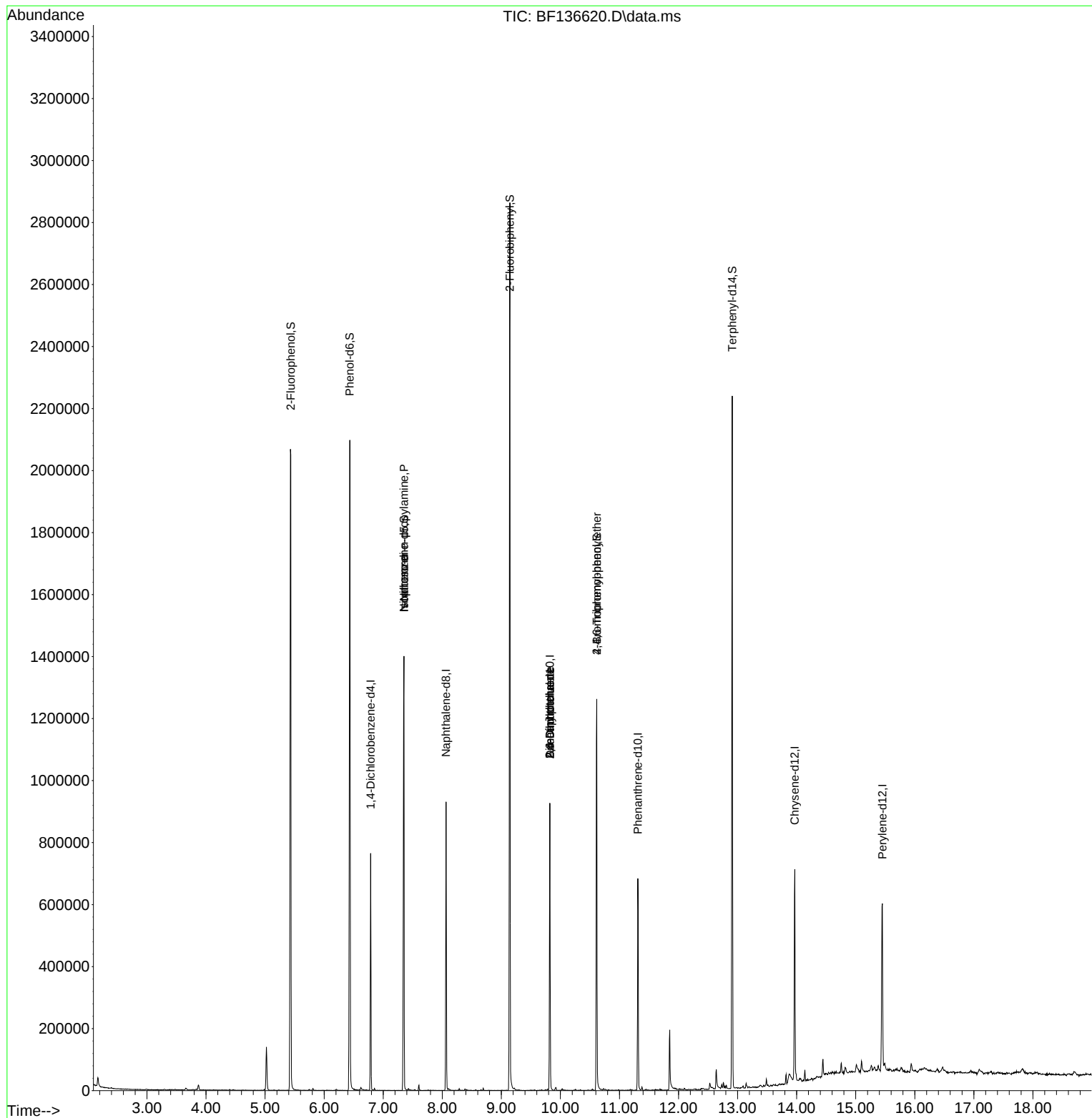
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	102172	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	379355	20.000	ng	0.00
39) Acenaphthene-d10	9.822	164	171115	20.000	ng	0.00
64) Phenanthrene-d10	11.310	188	256791	20.000	ng	-0.01
76) Chrysene-d12	13.969	240	227452	20.000	ng	0.00
86) Perylene-d12	15.451	264	263555	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	646958	93.513	ng	0.00
7) Phenol-d6	6.434	99	776968	90.013	ng	-0.01
23) Nitrobenzene-d5	7.351	82	461724	65.798	ng	0.00
42) 2,4,6-Tribromophenol	10.616	330	169429	80.303	ng	-0.01
45) 2-Fluorobiphenyl	9.145	172	892688	71.184	ng	0.00
79) Terphenyl-d14	12.910	244	734648	42.572	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	6.340	77	69	Below Cal	#	1
19) n-Nitroso-di-n-propyla...	7.351	70	59349	11.919	ng	# 75
25) Isophorone	7.351	82	459908	36.480	ng	# 65
50) Dimethylphthalate	9.822	163	34700	2.754	ng	# 1
51) 2,6-Dinitrotoluene	9.822	165	22203	7.834	ng	# 28
57) 2,4-Dinitrotoluene	9.822	165	22203	5.922	ng	# 28
67) 4-Bromophenyl-phenylether	10.616	248	10301	3.450	ng	# 1
77) Benzidine	12.910	184	7992	Below Cal	#	92

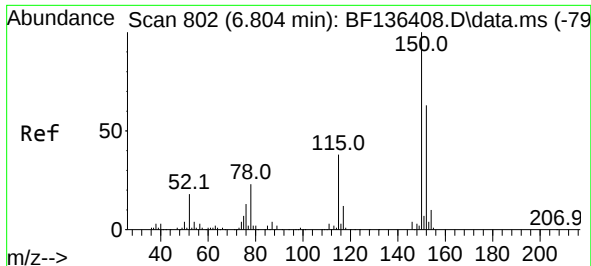
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121823\
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Quant Time: Dec 19 01:05:19 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 19 00:56:37 2023
Response via : Initial Calibration

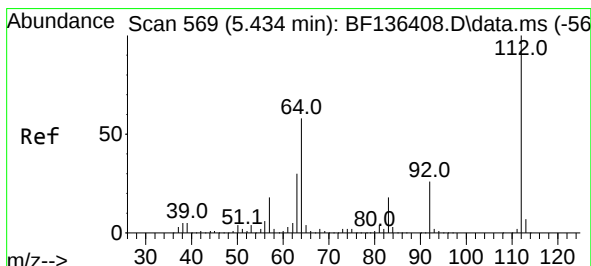
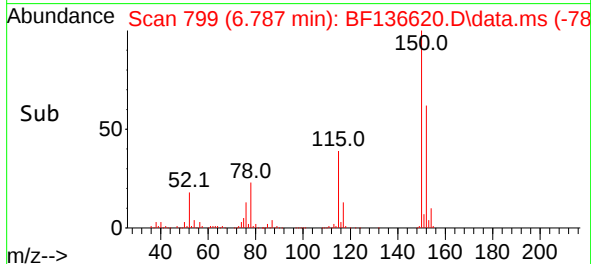
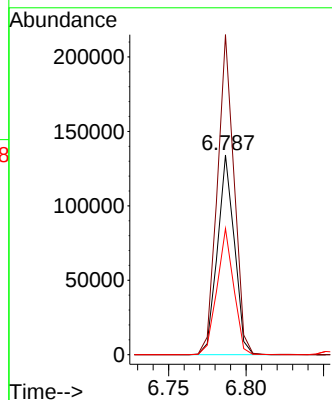
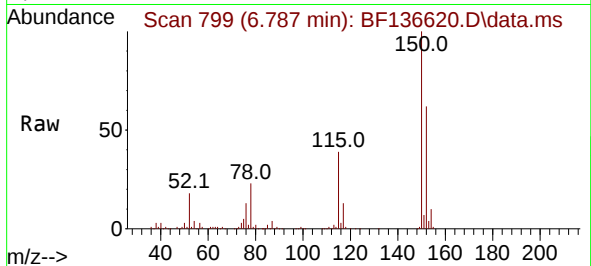




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.787 min Scan# 799
Delta R.T. -0.005 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

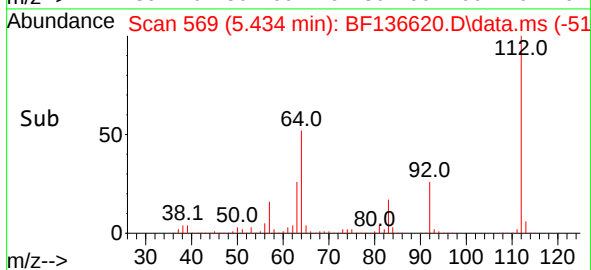
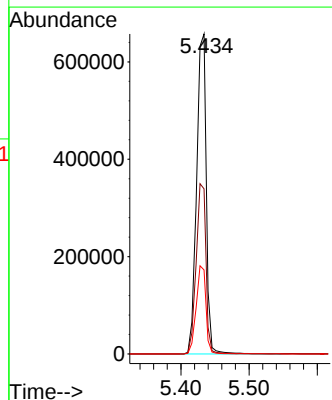
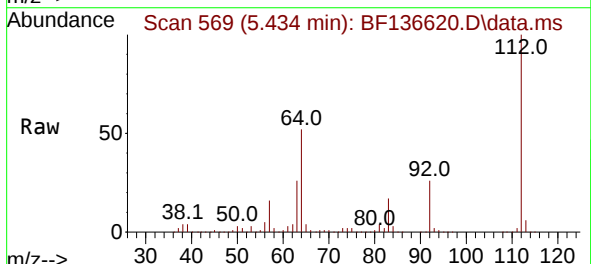
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2RE

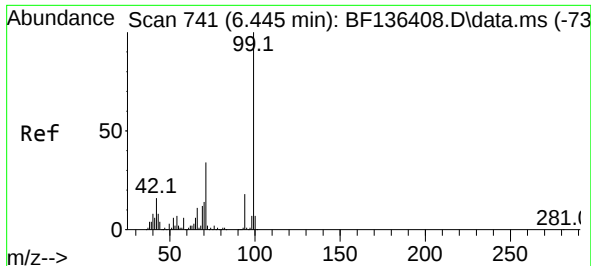
Tgt Ion:152 Resp: 102172
Ion Ratio Lower Upper
152 100
150 160.3 126.4 189.6
115 63.1 48.2 72.4



#5
2-Fluorophenol
Concen: 93.513 ng
RT: 5.434 min Scan# 569
Delta R.T. 0.006 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

Tgt Ion:112 Resp: 646958
Ion Ratio Lower Upper
112 100
64 51.6 46.5 69.7
63 26.2 23.9 35.9

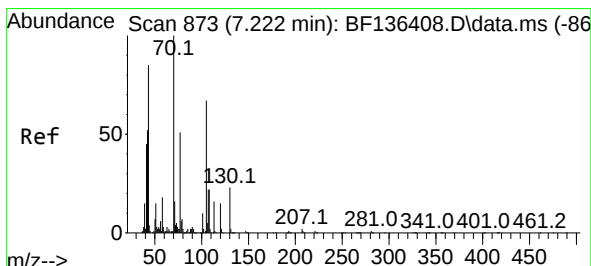
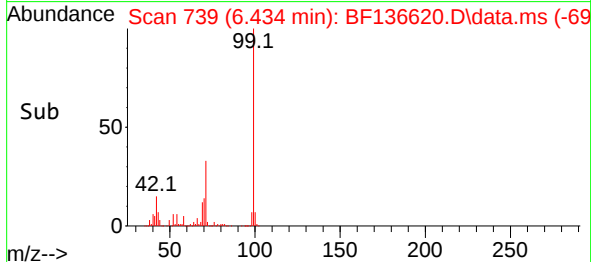
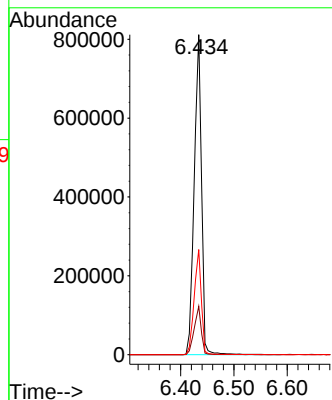
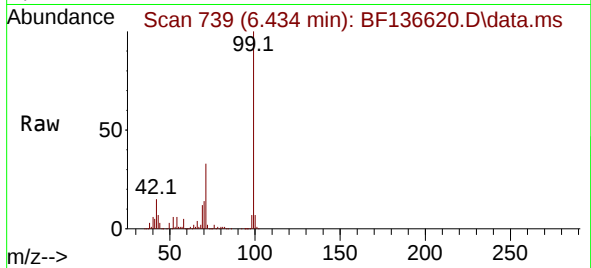




#7
Phenol-d6
Concen: 90.013 ng
RT: 6.434 min Scan# 714
Delta R.T. -0.012 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

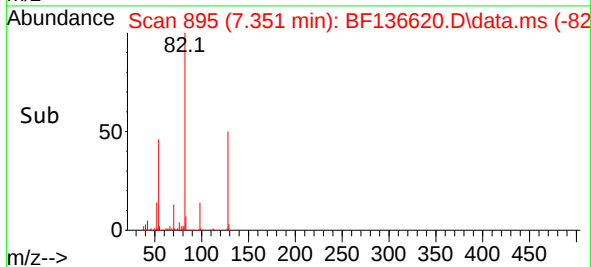
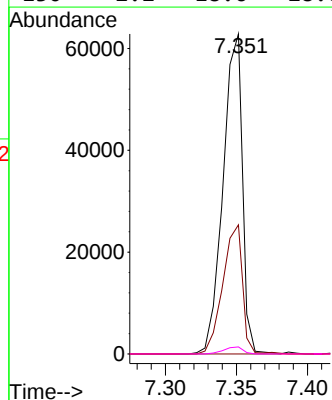
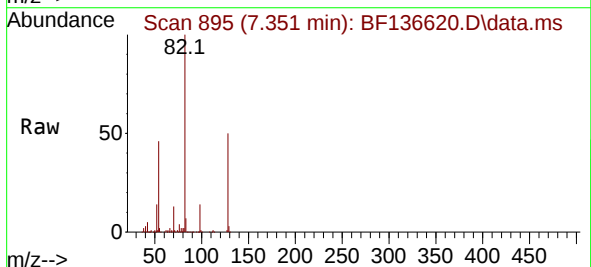
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2RE

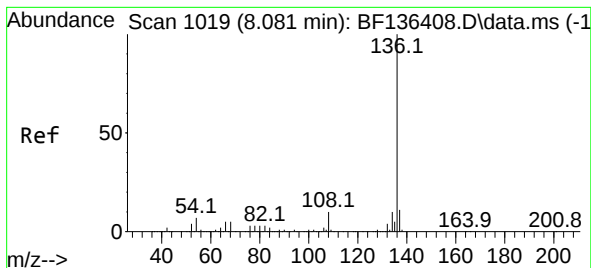
Tgt Ion: 99 Resp: 776968
Ion Ratio Lower Upper
99 100
42 15.1 12.8 19.2
71 32.8 27.0 40.4



#19
n-Nitroso-di-n-propylamine
Concen: 11.919 ng
RT: 7.351 min Scan# 895
Delta R.T. 0.141 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

Tgt Ion: 70 Resp: 59349
Ion Ratio Lower Upper
70 100
42 40.4 41.4 62.0#
101 0.0 8.2 12.4#
130 2.2 18.6 28.0#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.063 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF136620.D

Acq: 18 Dec 2023 18:07

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2RE

Tgt Ion:136 Resp: 379355

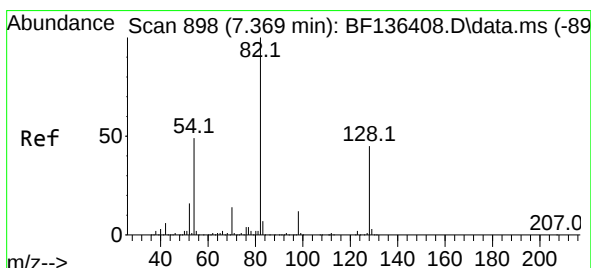
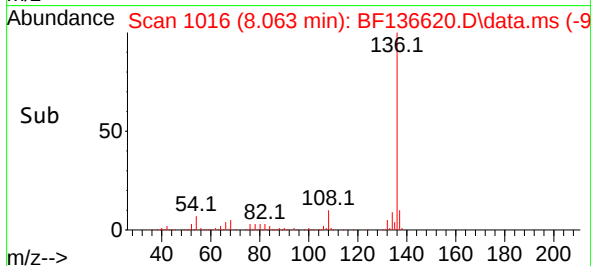
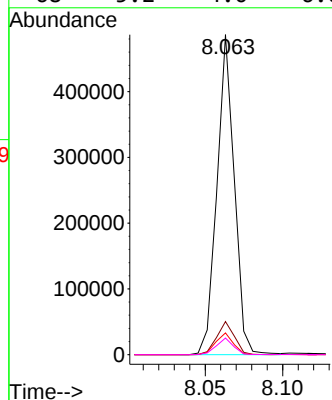
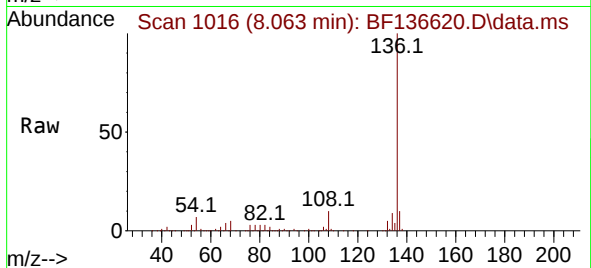
Ion Ratio Lower Upper

136 100

137 10.4 8.6 12.8

54 6.8 5.7 8.5

68 5.2 4.0 6.0



#23

Nitrobenzene-d5

Concen: 65.798 ng

RT: 7.351 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF136620.D

Acq: 18 Dec 2023 18:07

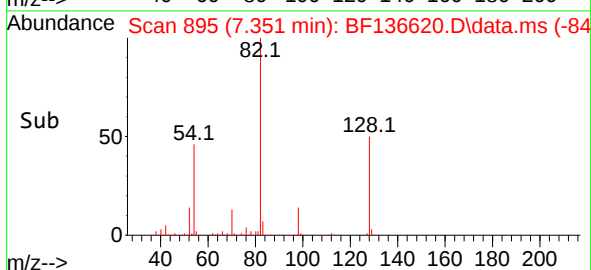
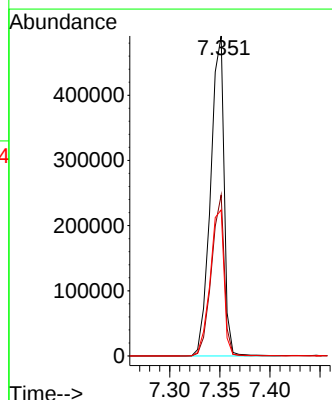
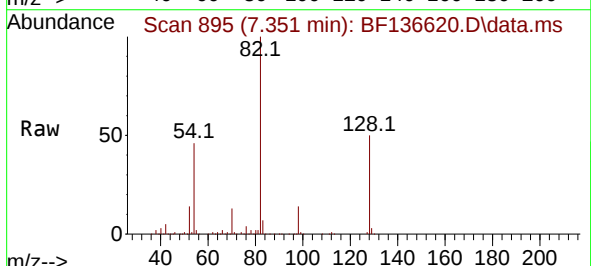
Tgt Ion: 82 Resp: 461724

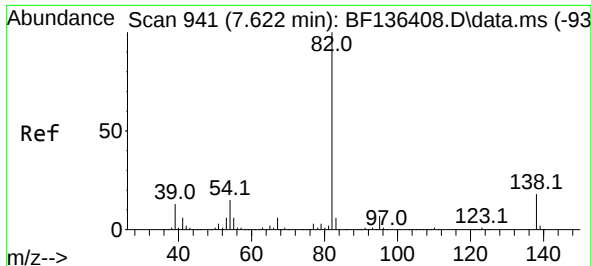
Ion Ratio Lower Upper

82 100

128 50.3 36.3 54.5

54 45.7 39.0 58.6

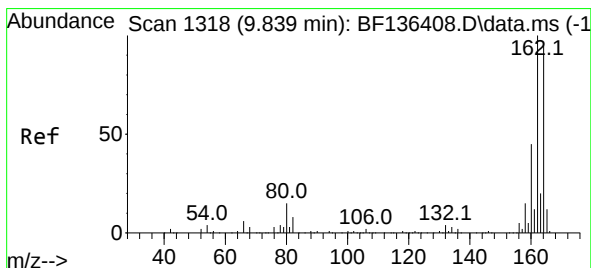
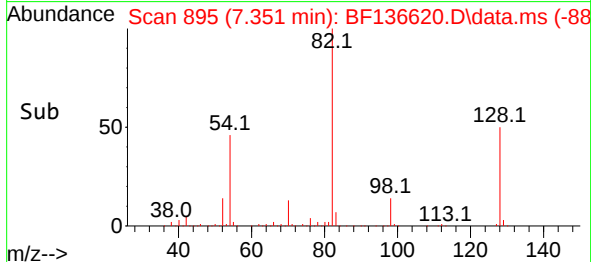
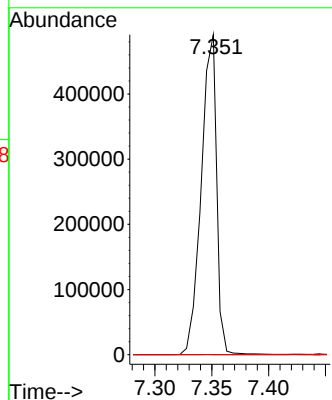
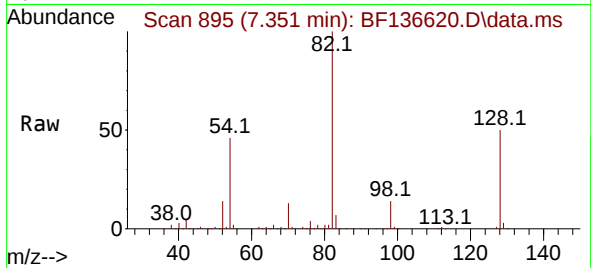




#25
Isophorone
Concen: 36.480 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.265 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

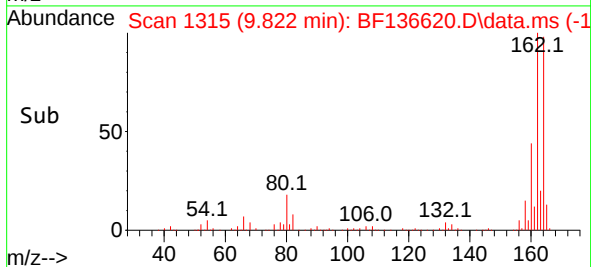
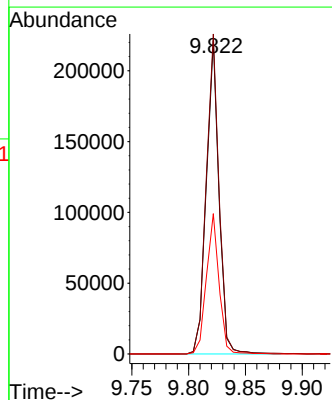
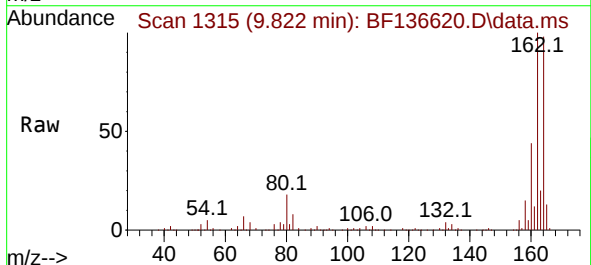
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2RE

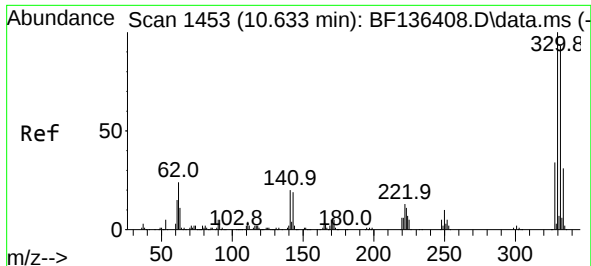
Tgt Ion: 82 Resp: 459908
Ion Ratio Lower Upper
82 100
95 0.0 5.7 8.5#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.822 min Scan# 1315
Delta R.T. -0.006 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

Tgt Ion: 164 Resp: 171115
Ion Ratio Lower Upper
164 100
162 102.1 84.4 126.6
160 44.8 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 80.303 ng

RT: 10.616 min Scan# 1450

Delta R.T. -0.012 min

Lab File: BF136620.D

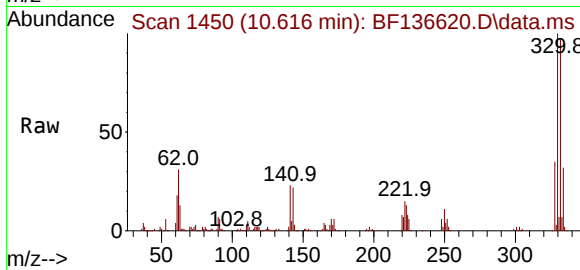
Acq: 18 Dec 2023 18:07

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2RE



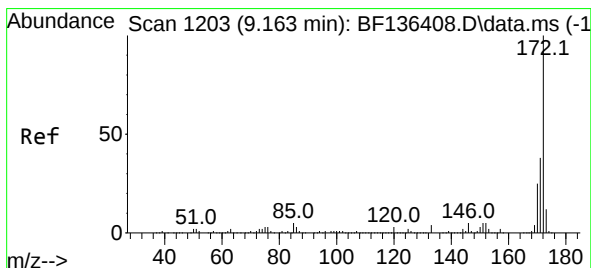
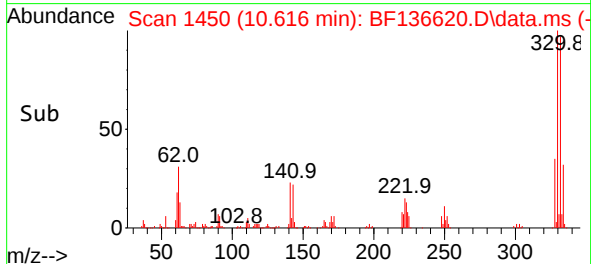
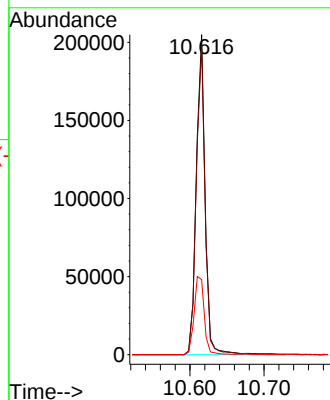
Tgt Ion:330 Resp: 169429

Ion Ratio Lower Upper

330 100

332 96.6 76.4 114.6

141 28.0 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 71.184 ng

RT: 9.145 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF136620.D

Acq: 18 Dec 2023 18:07

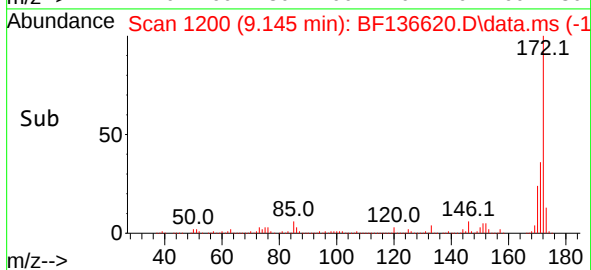
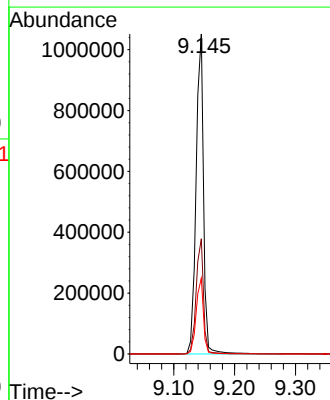
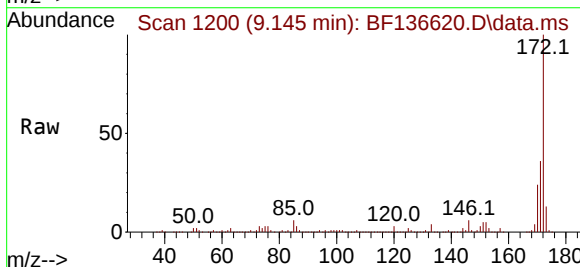
Tgt Ion:172 Resp: 892688

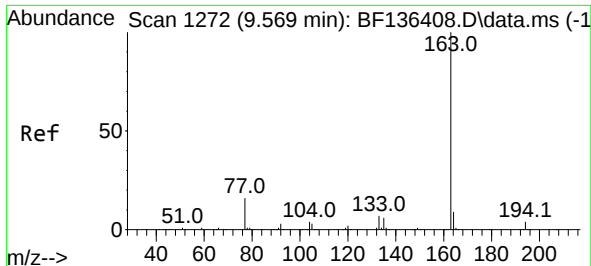
Ion Ratio Lower Upper

172 100

171 36.0 30.5 45.7

170 23.6 19.9 29.9

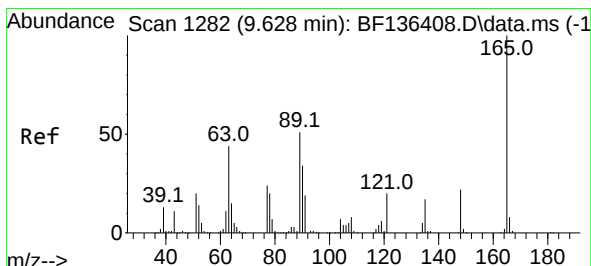
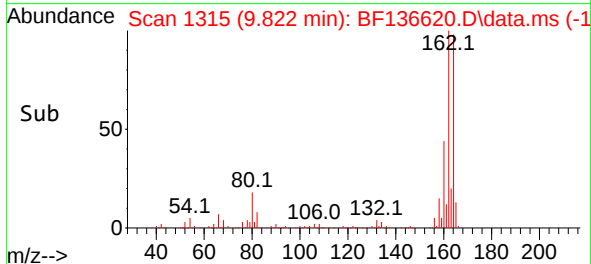
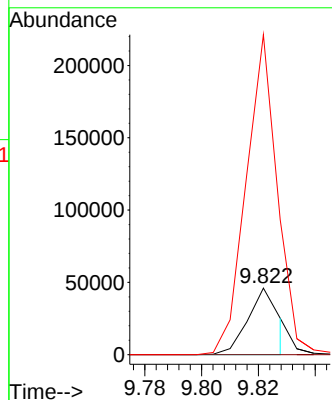
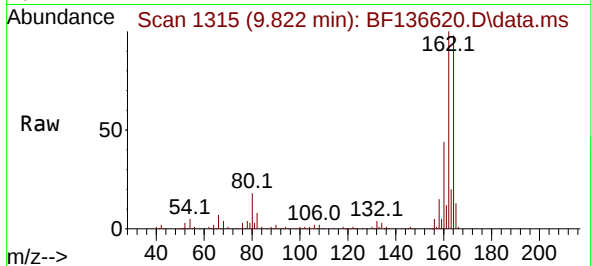




#50
Dimethylphthalate
Concen: 2.754 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.265 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

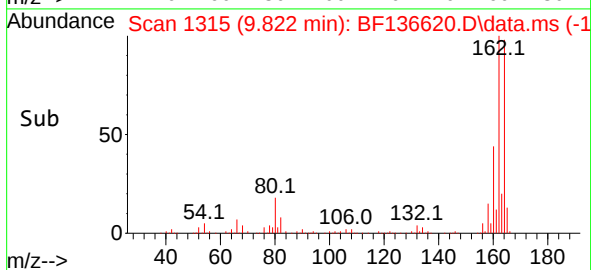
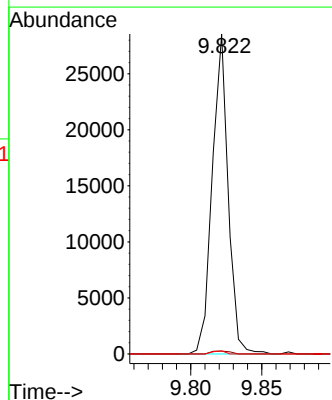
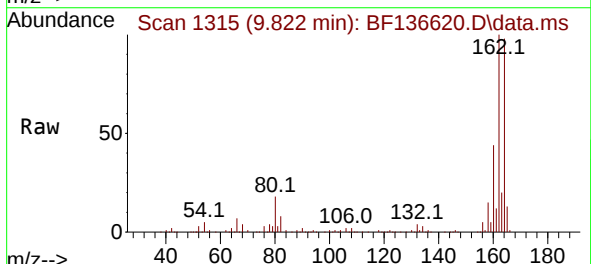
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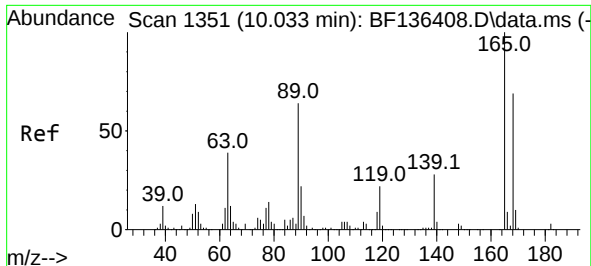
Tgt Ion:163 Resp: 34700
Ion Ratio Lower Upper
163 100
194 0.0 3.0 4.6#
164 480.4 7.4 11.2#



#51
2,6-Dinitrotoluene
Concen: 7.834 ng
RT: 9.822 min Scan# 1315
Delta R.T. 0.200 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

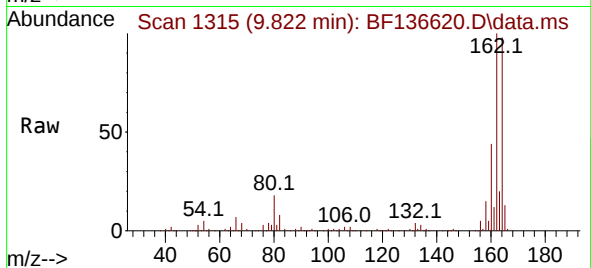
Tgt Ion:165 Resp: 22203
Ion Ratio Lower Upper
165 100
63 0.9 40.4 60.6#
89 1.0 40.6 60.8#



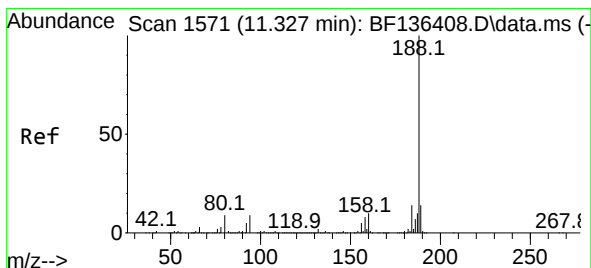
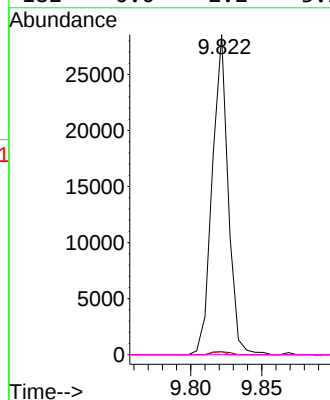
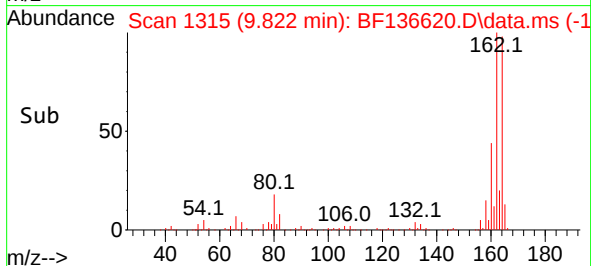


#57
2,4-Dinitrotoluene
Concen: 5.922 ng
RT: 9.822 min Scan# 11
Delta R.T. -0.206 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

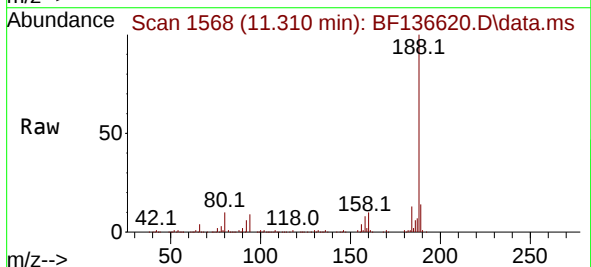
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2RE



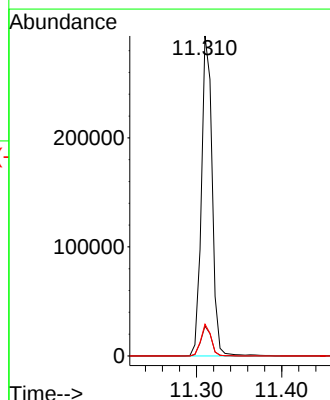
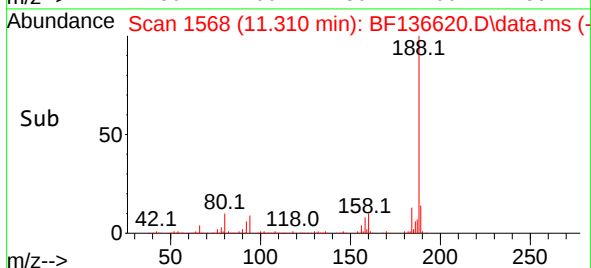
Tgt Ion:165	Resp:	22203
Ion Ratio	Lower	Upper
165	100	
63	0.9	31.4 47.2#
89	1.0	51.7 77.5#
182	0.0	2.2 3.2#

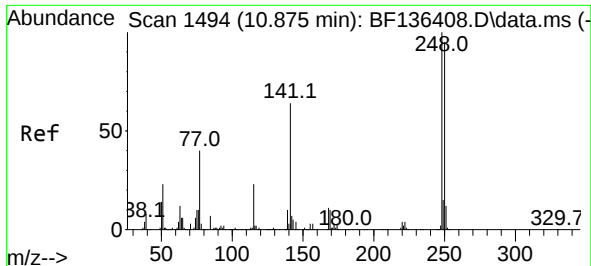


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07



Tgt Ion:188	Resp:	256791
Ion Ratio	Lower	Upper
188	100	
94	9.3	7.2 10.8
80	9.9	7.2 10.8

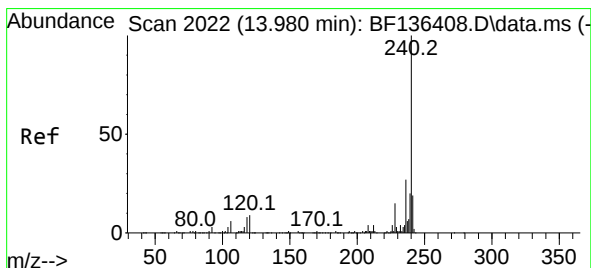
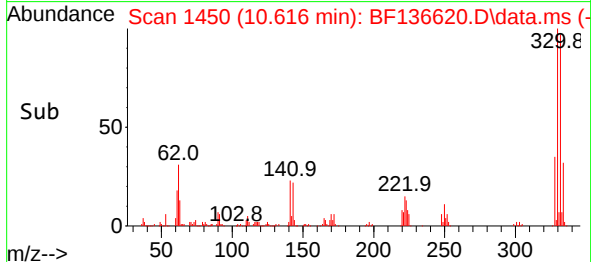
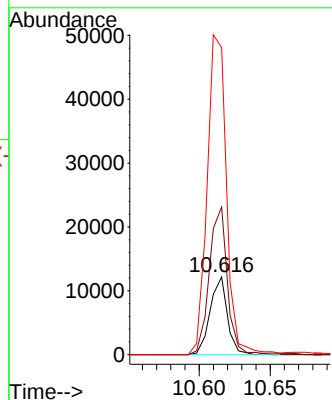
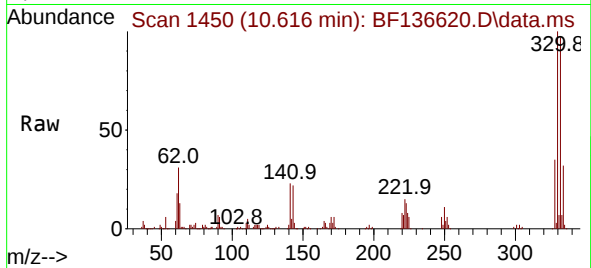




#67
4-Bromophenyl-phenylether
Concen: 3.450 ng
RT: 10.616 min Scan# 1494
Delta R.T. -0.247 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

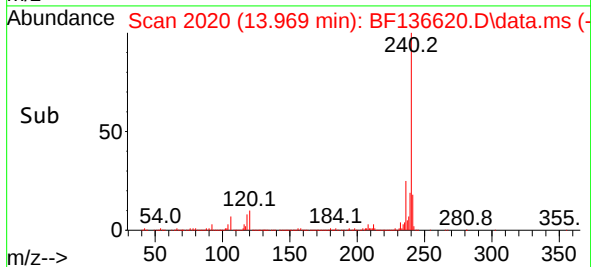
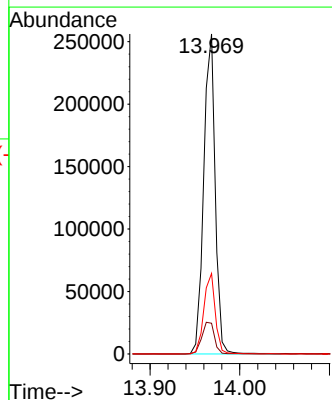
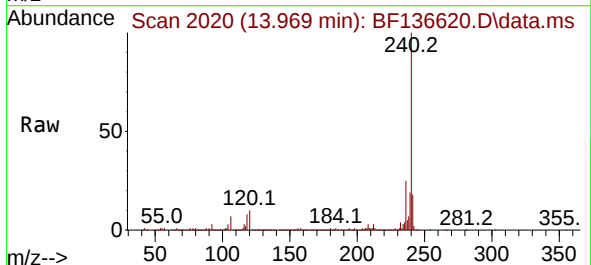
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2RE

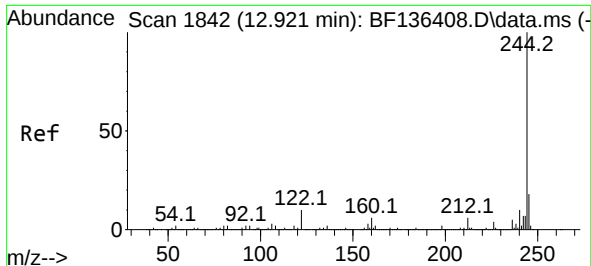
Tgt Ion:248 Resp: 10301
Ion Ratio Lower Upper
248 100
250 189.9 76.2 114.2#
141 394.7 51.0 76.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2020
Delta R.T. -0.006 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

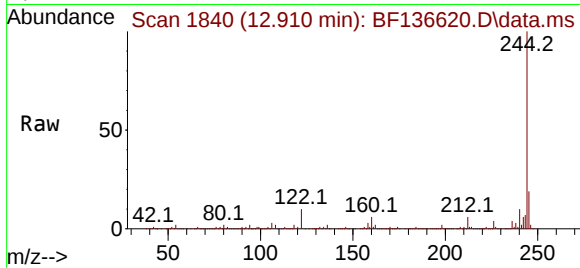
Tgt Ion:240 Resp: 227452
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 25.2 21.3 31.9



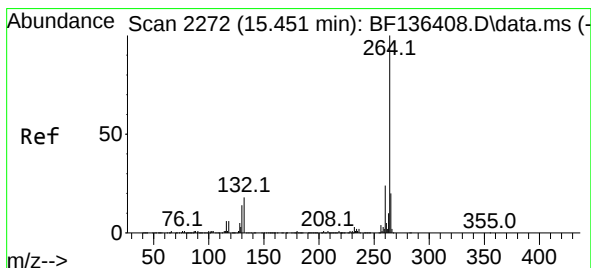
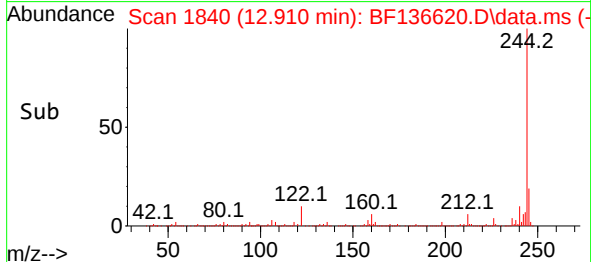
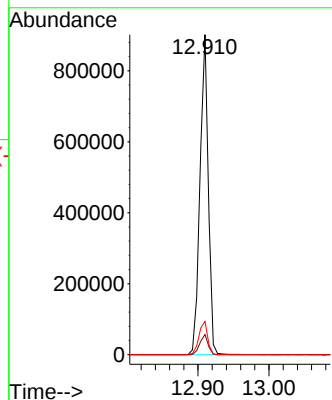


#79
 Terphenyl-d14
 Concen: 42.572 ng
 RT: 12.910 min Scan# 1842
 Delta R.T. -0.012 min
 Lab File: BF136620.D
 Acq: 18 Dec 2023 18:07

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2RE



Tgt Ion:244 Resp: 734648
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.0 7.4
 122 10.4 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.451 min Scan# 2272
 Delta R.T. -0.006 min
 Lab File: BF136620.D
 Acq: 18 Dec 2023 18:07

Tgt Ion:264 Resp: 263555
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.2 28.8
 265 20.6 15.9 23.9

