

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

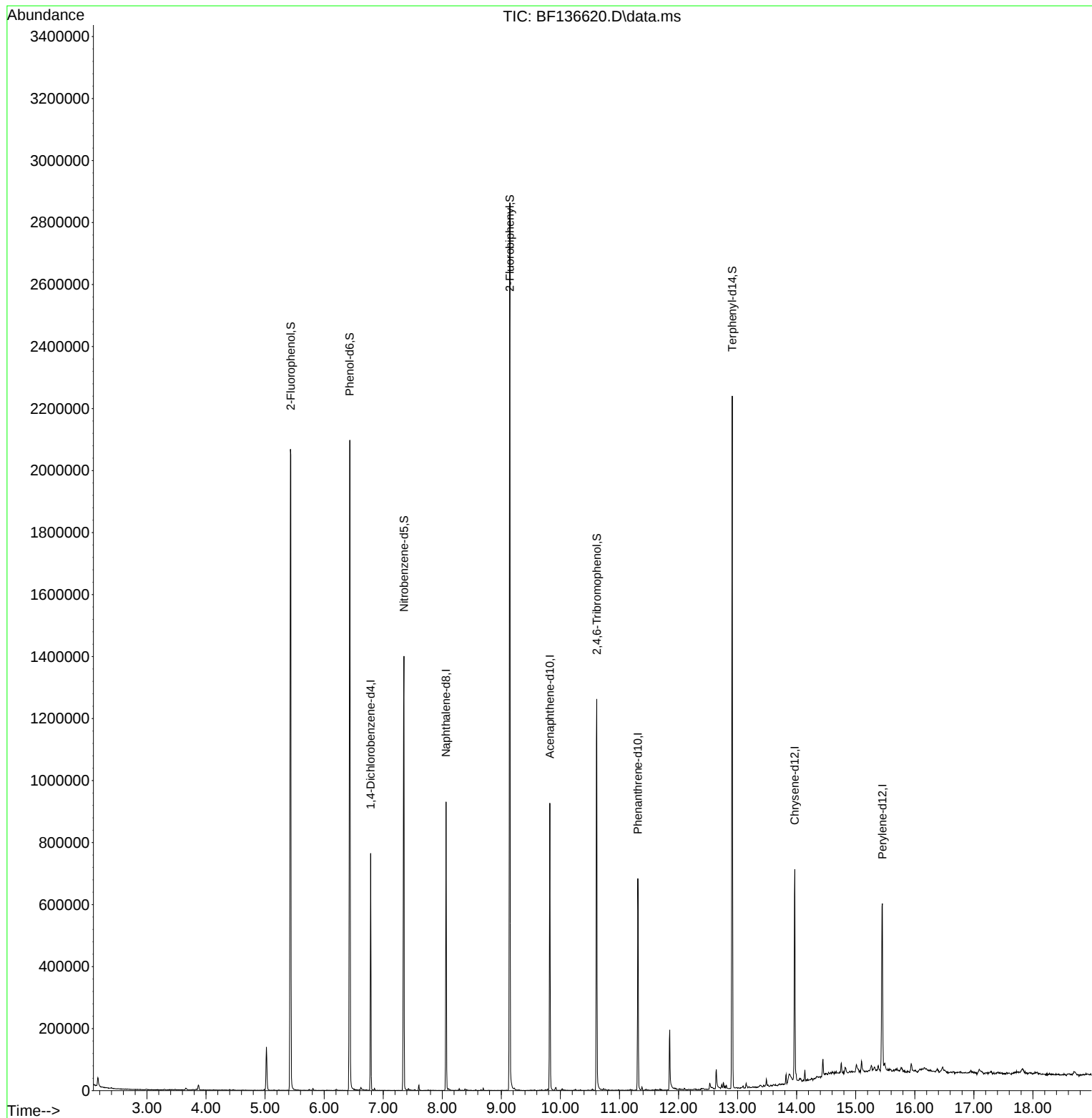
Target Compounds	Qvalue

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

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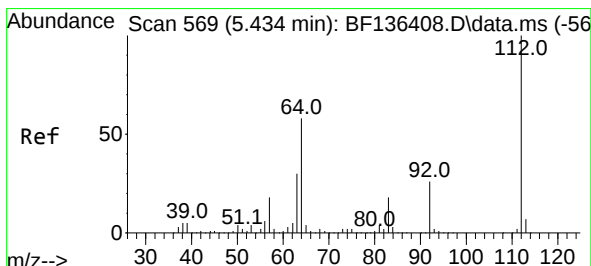
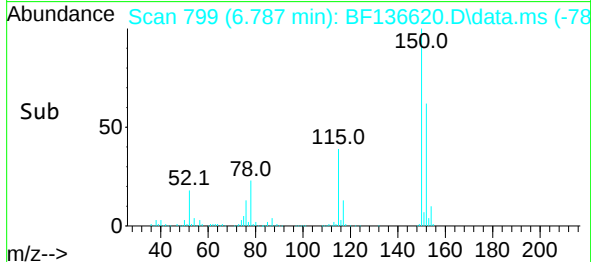
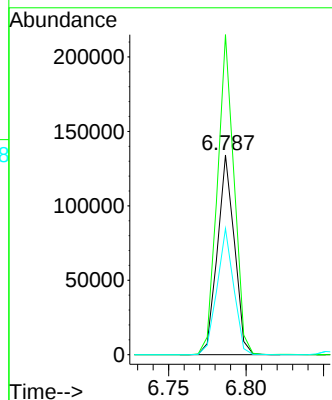
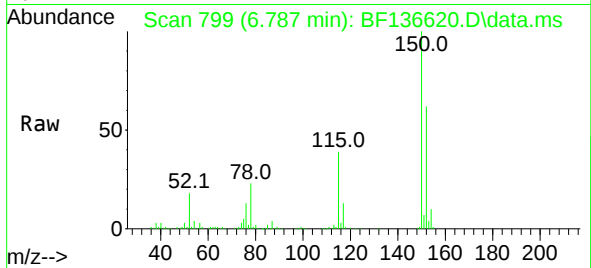




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.005 min
 Lab File: BF136620.D
 Acq: 18 Dec 2023 18:07

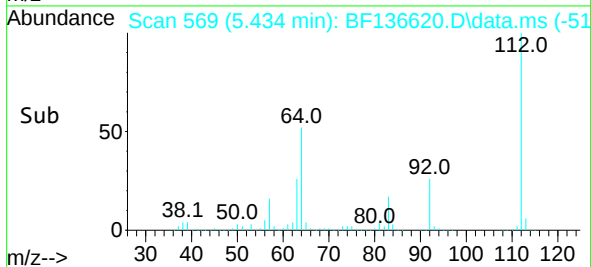
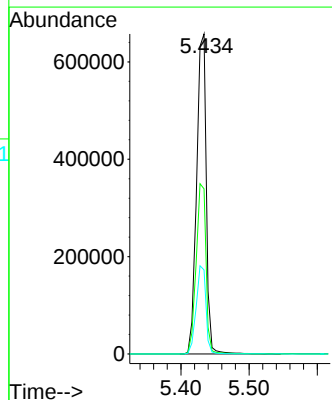
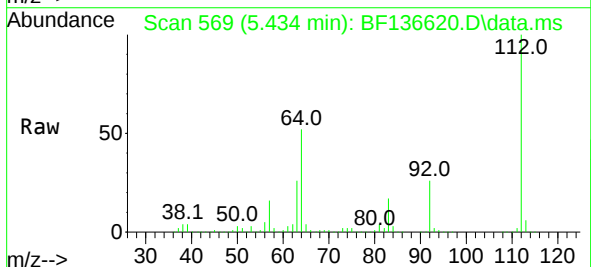
Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2RE

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

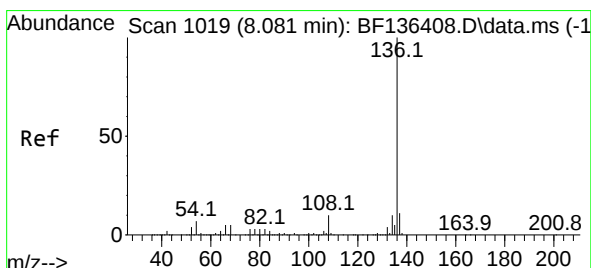
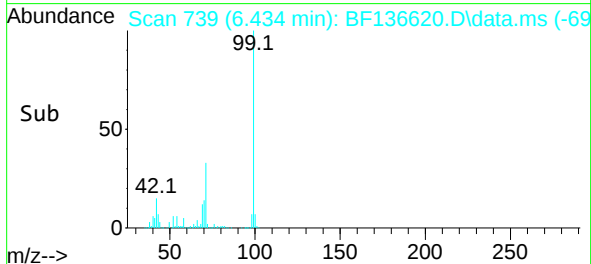
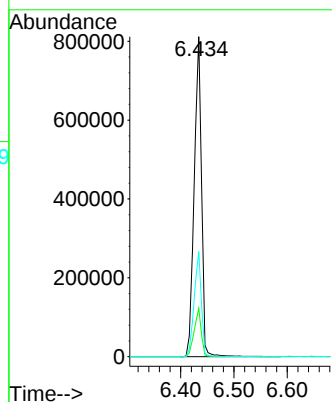
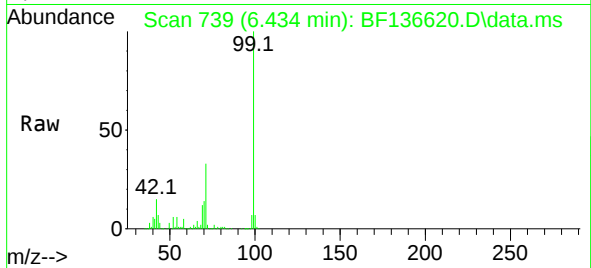




#7
Phenol-d6
Concen: 90.013 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

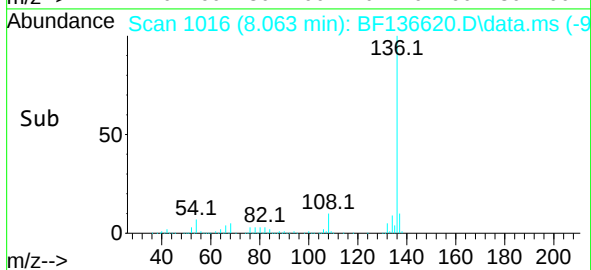
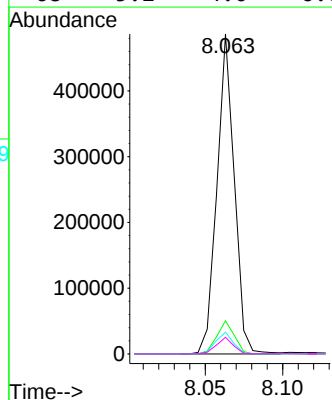
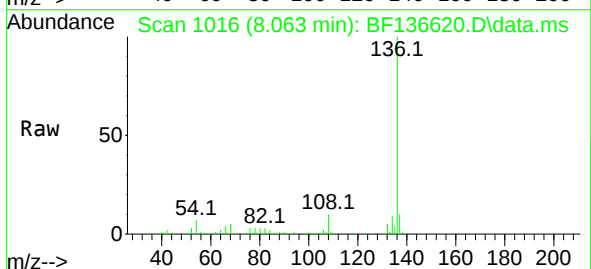
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2RE

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



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.063 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

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

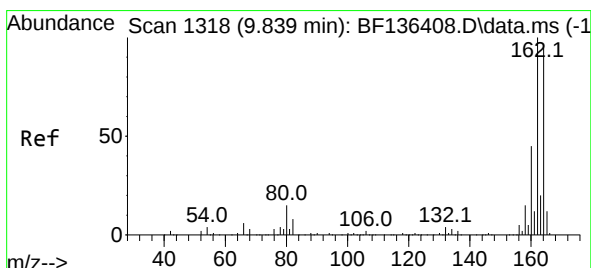
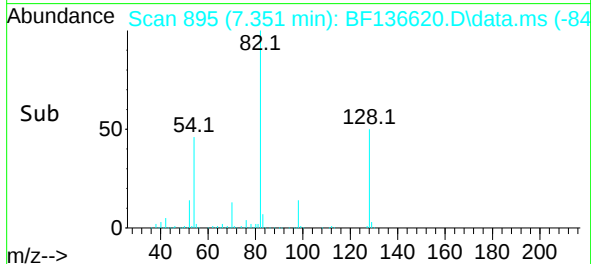
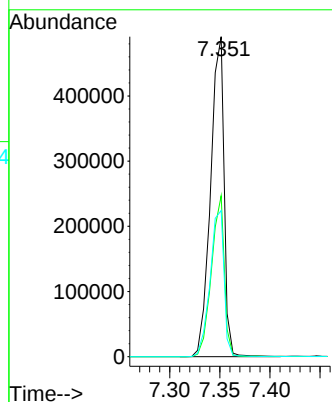
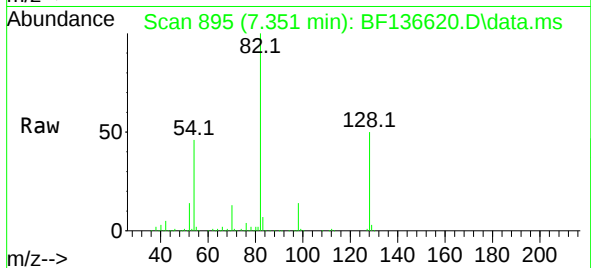




#23
Nitrobenzene-d5
Concen: 65.798 ng
RT: 7.351 min Scan# 89
Delta R.T. -0.006 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

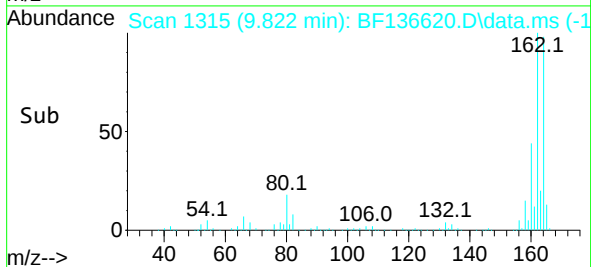
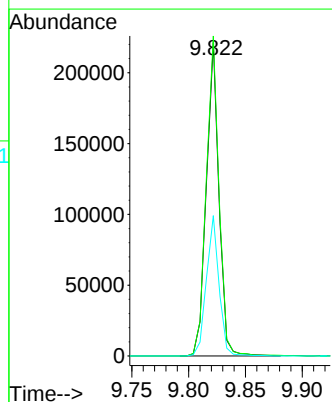
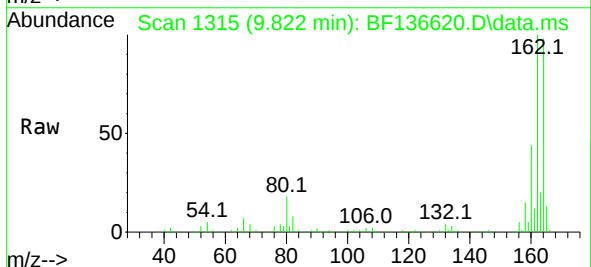
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2RE

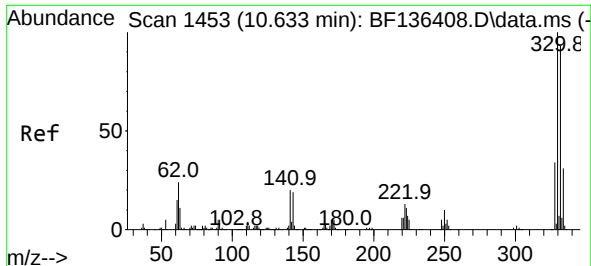
Tgt Ion: 82 Resp: 461724
Ion Ratio Lower Upper
82 100
128 50.3 36.3 54.5
54 45.7 39.0 58.6



#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

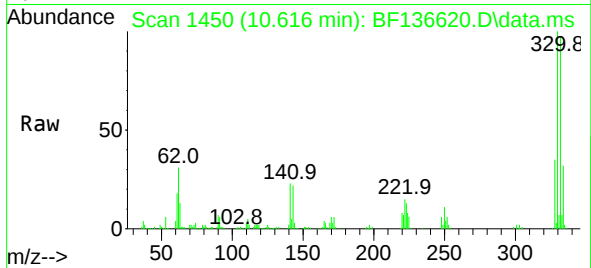
Tgt Ion: 164 Resp: 171115
Ion Ratio Lower Upper
164 100
162 102.1 84.4 126.6
160 44.8 37.6 56.4



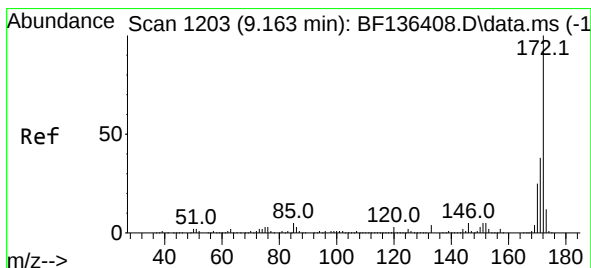
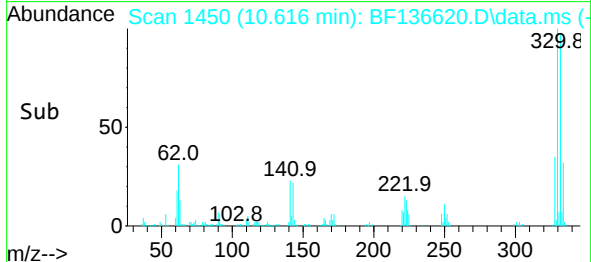
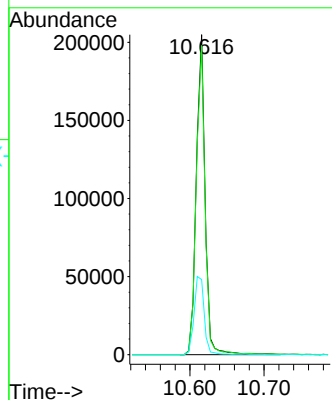


#42
2,4,6-Tribromophenol
Concen: 80.303 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF136620.D
Acq: 18 Dec 2023 18:07

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

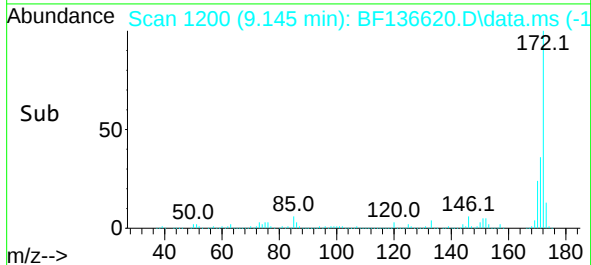
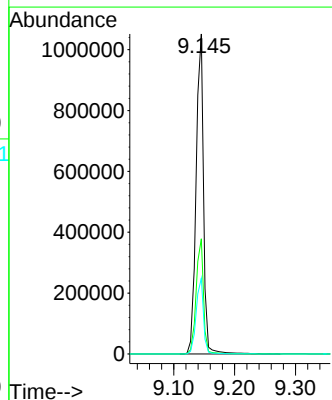
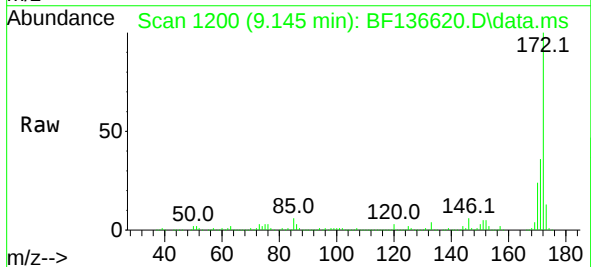


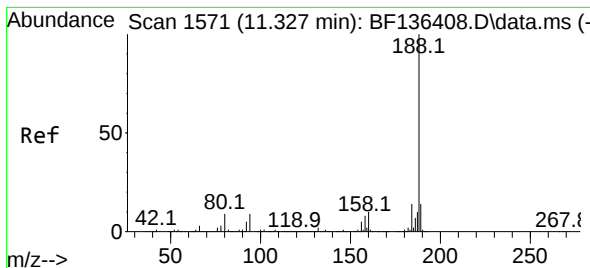
Tgt Ion:330 Resp: 169429
Ion Ratio Lower Upper
330 100
332 96.6 76.4 114.6
141 28.0 23.4 35.2



#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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.310 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF136620.D

Acq: 18 Dec 2023 18:07

Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2RE

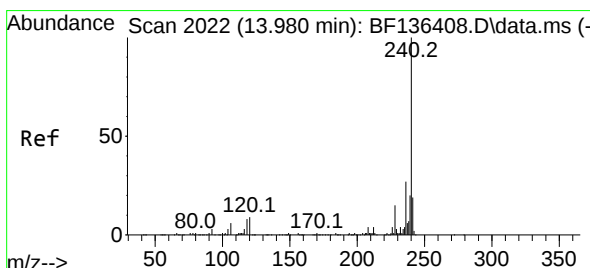
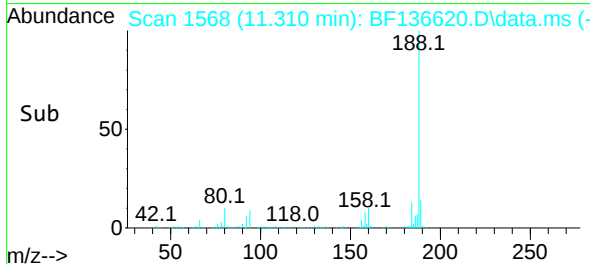
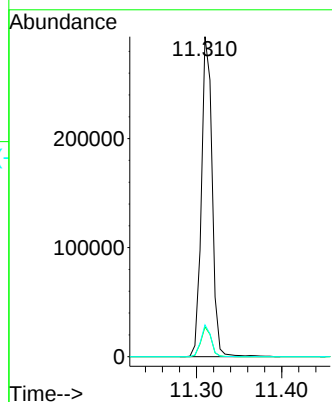
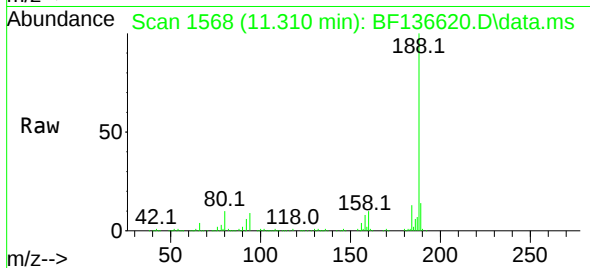
Tgt Ion:188 Resp: 256791

Ion Ratio Lower Upper

188 100

94 9.3 7.2 10.8

80 9.9 7.2 10.8



#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

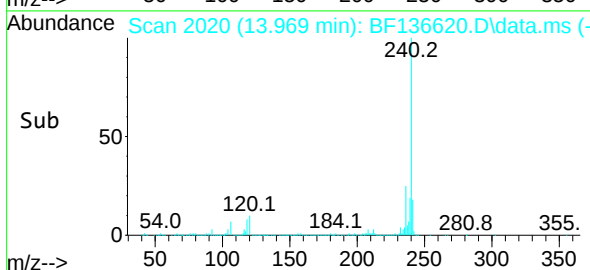
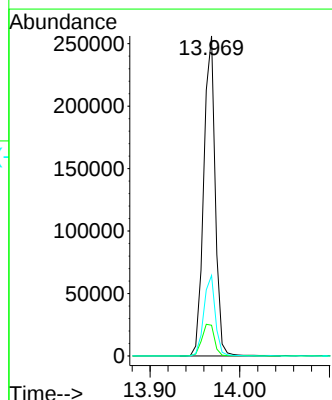
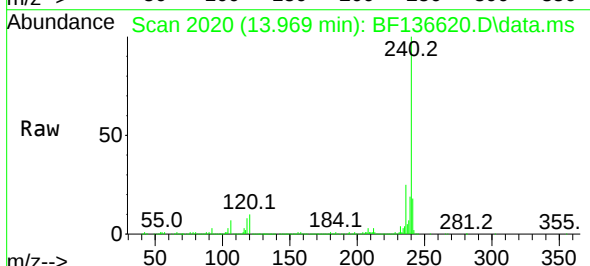
Tgt Ion:240 Resp: 227452

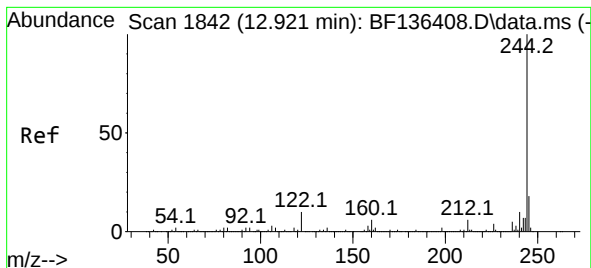
Ion Ratio Lower Upper

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# 1840

Delta R.T. -0.012 min

Lab File: BF136620.D

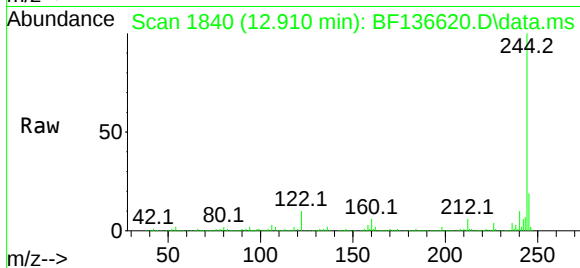
Acq: 18 Dec 2023 18:07

Instrument :

BNA_F

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14TH-SOIL-2RE



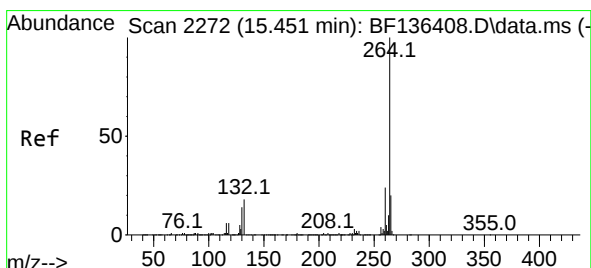
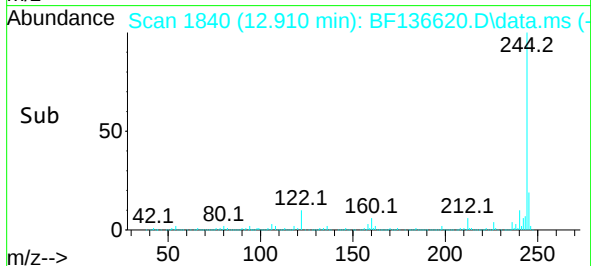
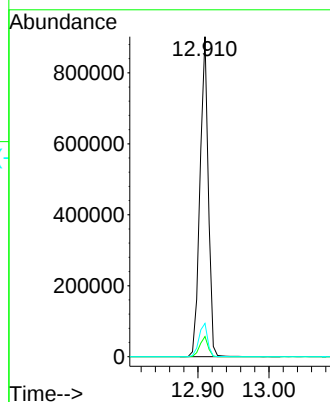
Tgt Ion:244 Resp: 734648

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

