

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121523\
 Data File : BF136596.D
 Acq On : 15 Dec 2023 16:56
 Operator : CG\JU
 Sample : 05624-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2

Quant Time: Dec 16 02:04:07 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 15 00:33:23 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.787	152	89441	20.000	ng	0.00
21) Naphthalene-d8	8.063	136	324125	20.000	ng	0.00
39) Acenaphthene-d10	9.816	164	141276	20.000	ng	-0.01
64) Phenanthrene-d10	11.310	188	228126	20.000	ng	0.00
76) Chrysene-d12	13.963	240	216137	20.000	ng	0.00
86) Perylene-d12	15.439	264	215051	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	574539	94.866	ng	0.00
7) Phenol-d6	6.434	99	658886	87.198	ng	0.00
23) Nitrobenzene-d5	7.345	82	395016	65.884	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	148510	85.255	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	742402	71.704	ng	0.00
79) Terphenyl-d14	12.904	244	726843	44.324	ng	0.00

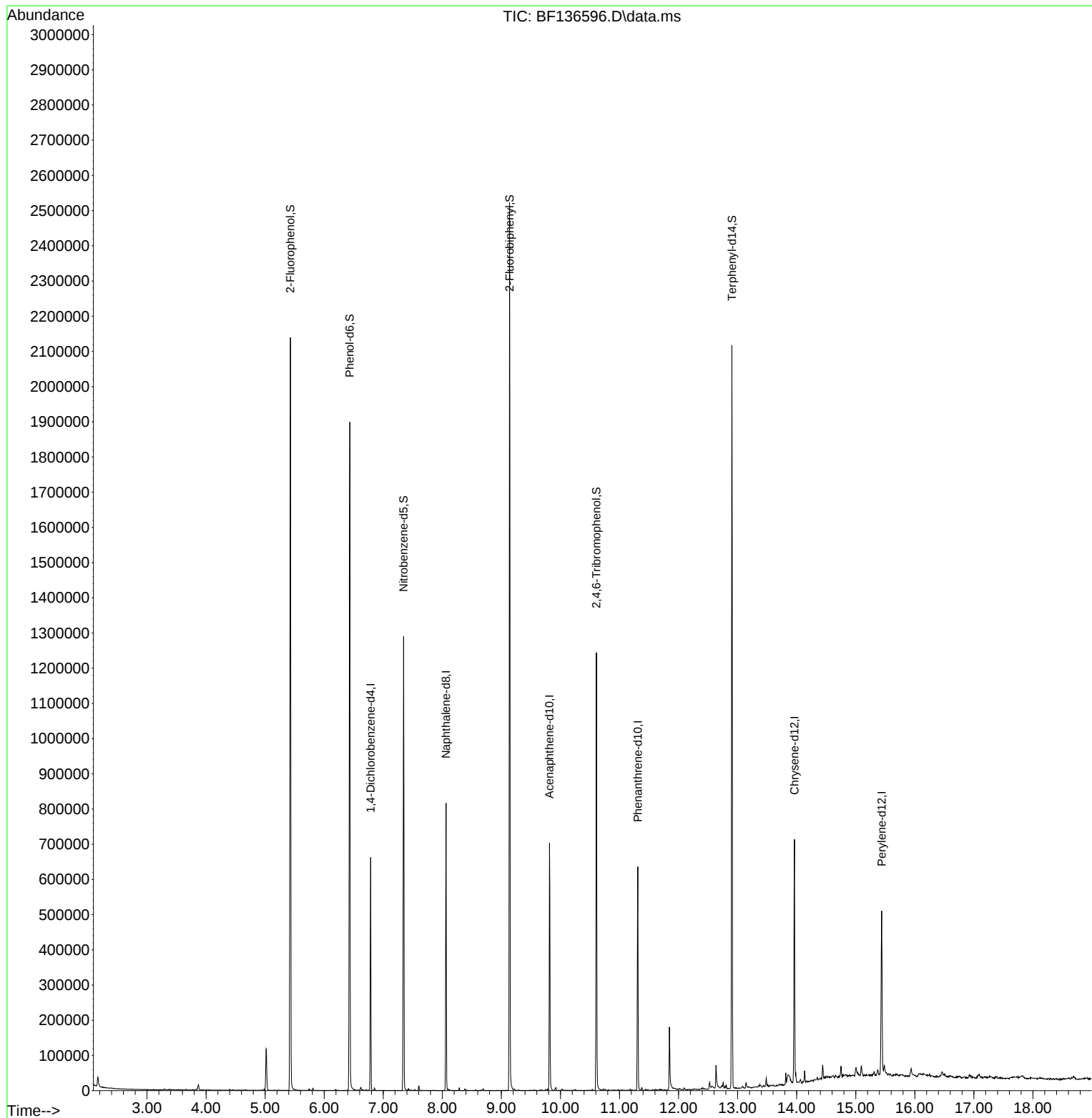
Target Compounds	Qvalue

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

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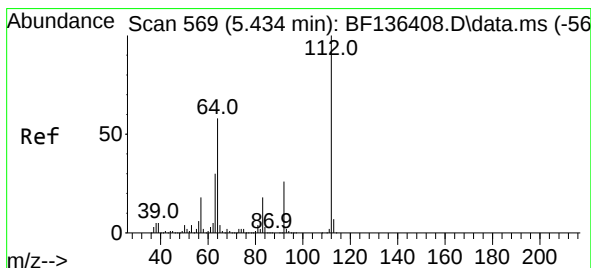
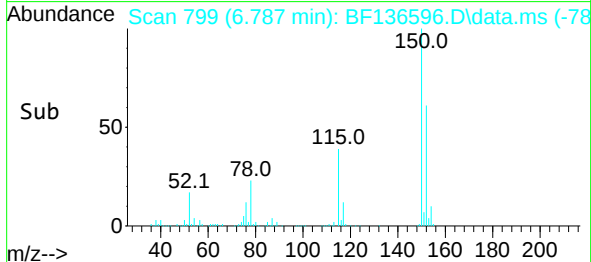
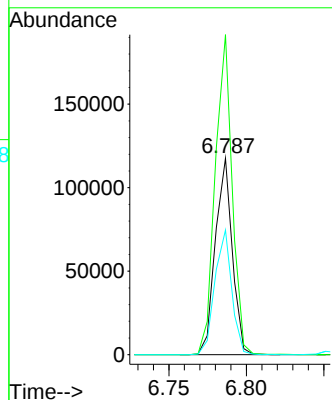
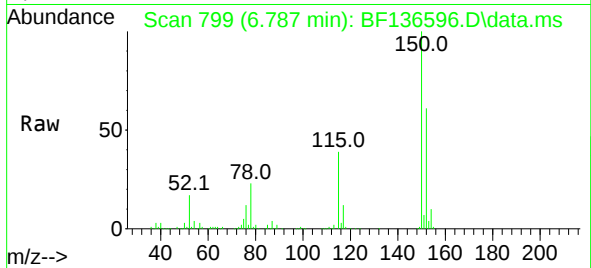




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.787 min Scan# 79
 Delta R.T. -0.000 min
 Lab File: BF136596.D
 Acq: 15 Dec 2023 16:56

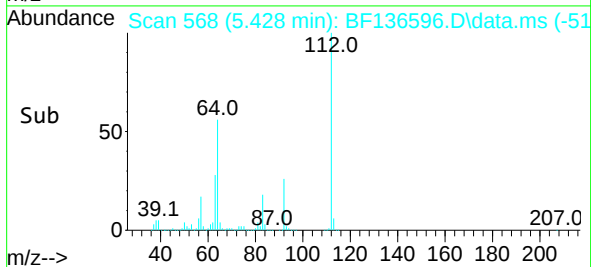
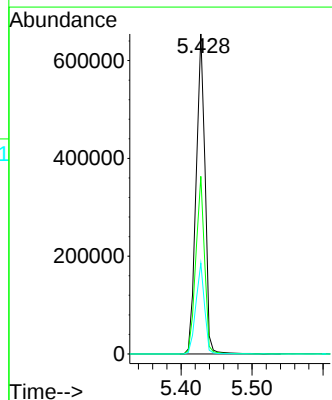
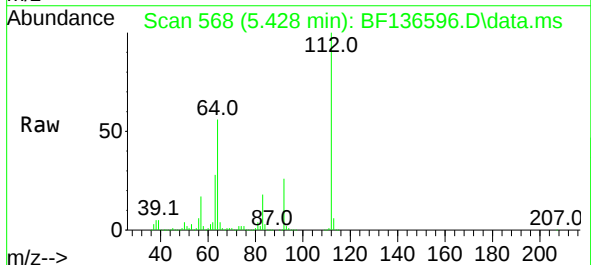
Instrument :
 BNA_F
 ClientSampleId :
 14TH-SOIL-2

Tgt Ion:152 Resp: 89441
 Ion Ratio Lower Upper
 152 100
 150 162.9 126.4 189.6
 115 63.4 48.2 72.4



#5
 2-Fluorophenol
 Concen: 94.866 ng
 RT: 5.428 min Scan# 568
 Delta R.T. 0.006 min
 Lab File: BF136596.D
 Acq: 15 Dec 2023 16:56

Tgt Ion:112 Resp: 574539
 Ion Ratio Lower Upper
 112 100
 64 55.5 46.5 69.7
 63 28.4 23.9 35.9

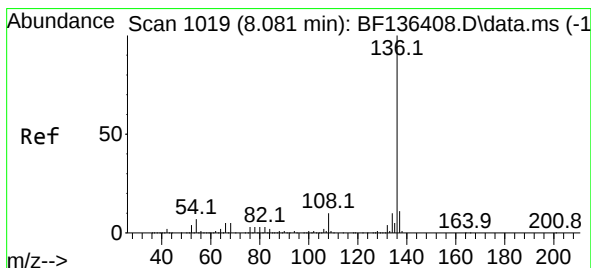
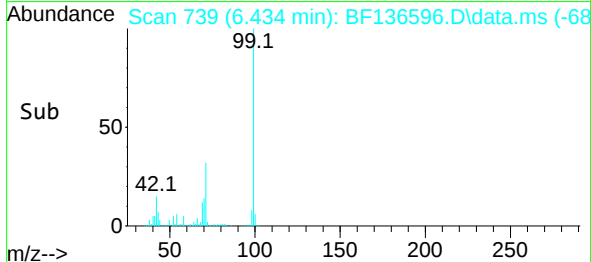
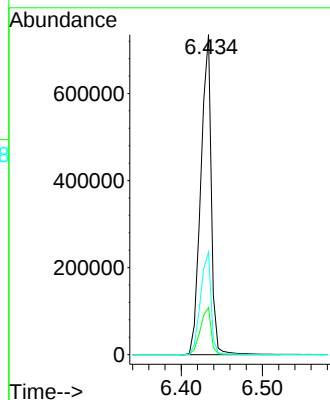
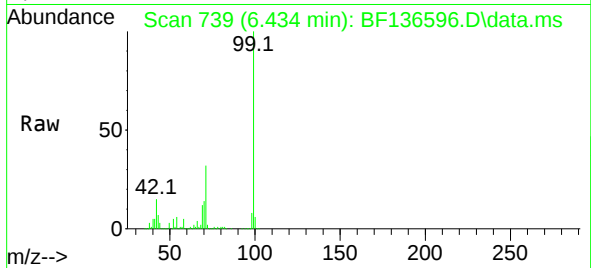




#7
Phenol-d6
Concen: 87.198 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF136596.D
Acq: 15 Dec 2023 16:56

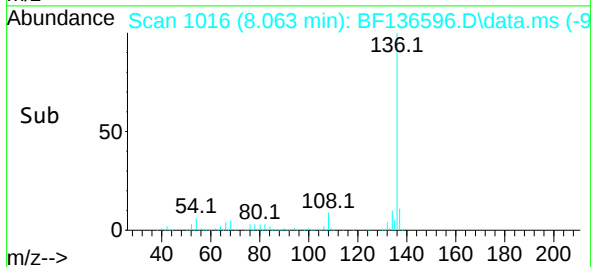
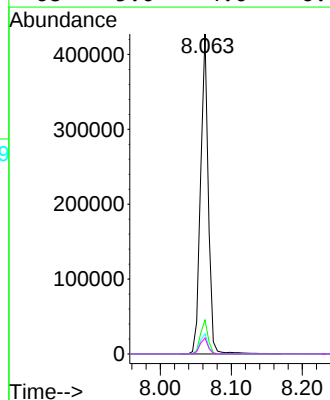
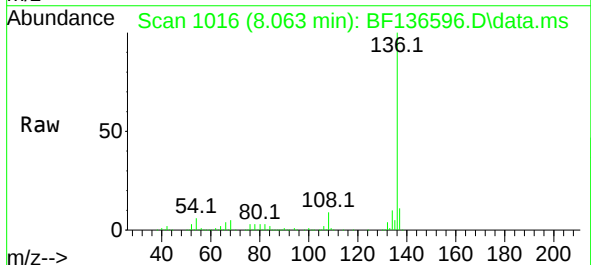
Instrument :
BNA_F
ClientSampleId :
14TH-SOIL-2

Tgt Ion: 99 Resp: 658886
Ion Ratio Lower Upper
99 100
42 14.7 12.8 19.2
71 32.1 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: BF136596.D
Acq: 15 Dec 2023 16:56

Tgt Ion: 136 Resp: 324125
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 6.2 5.7 8.5
68 5.0 4.0 6.0





#23

Nitrobenzene-d5

Concen: 65.884 ng

RT: 7.345 min Scan# 89

Delta R.T. -0.012 min

Lab File: BF136596.D

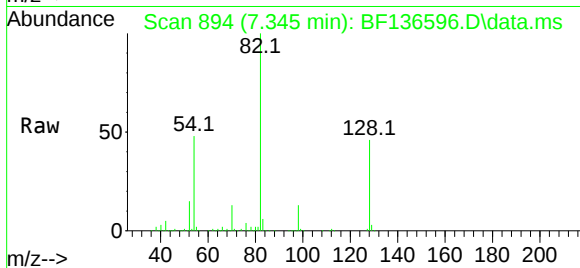
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Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2



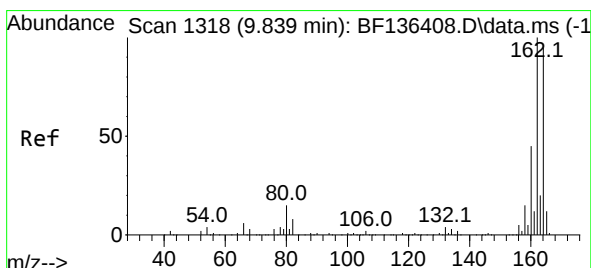
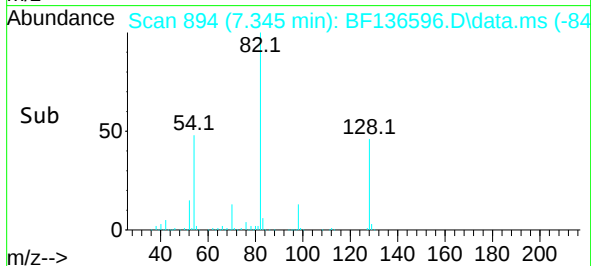
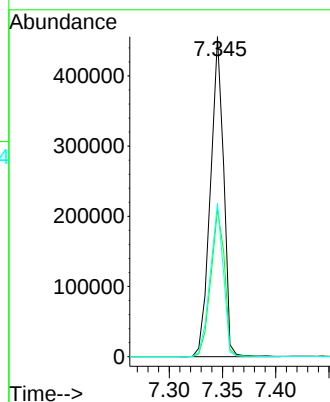
Tgt Ion: 82 Resp: 395016

Ion Ratio Lower Upper

82 100

128 46.0 36.3 54.5

54 47.9 39.0 58.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.816 min Scan# 1314

Delta R.T. -0.012 min

Lab File: BF136596.D

Acq: 15 Dec 2023 16:56

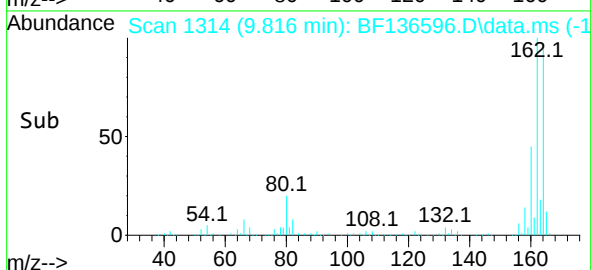
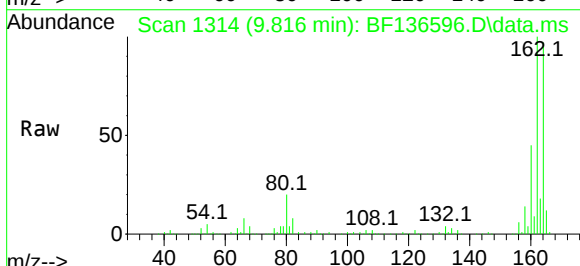
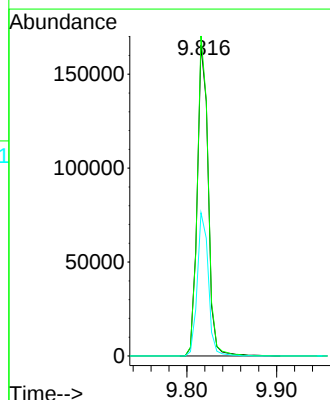
Tgt Ion:164 Resp: 141276

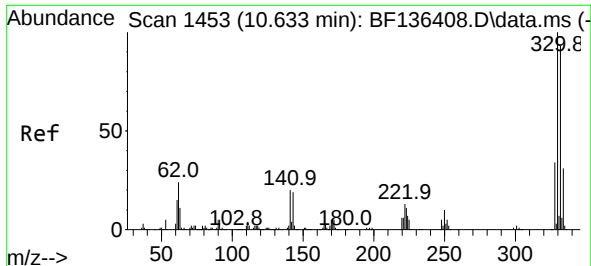
Ion Ratio Lower Upper

164 100

162 102.9 84.4 126.6

160 46.1 37.6 56.4





#42

2,4,6-Tribromophenol

Concen: 85.255 ng

RT: 10.610 min Scan# 1449

Delta R.T. -0.012 min

Lab File: BF136596.D

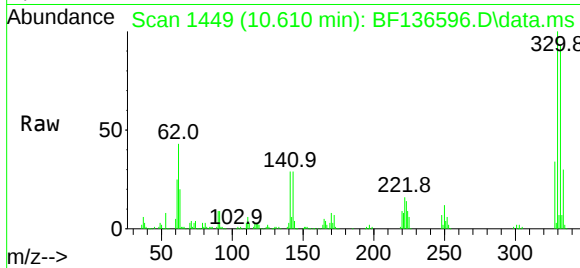
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Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2



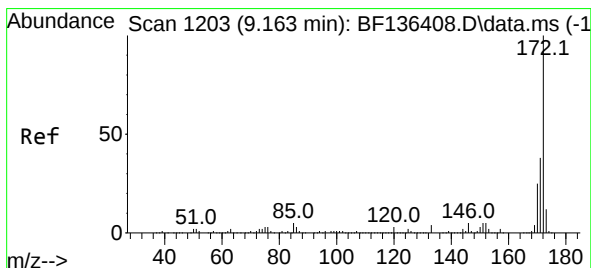
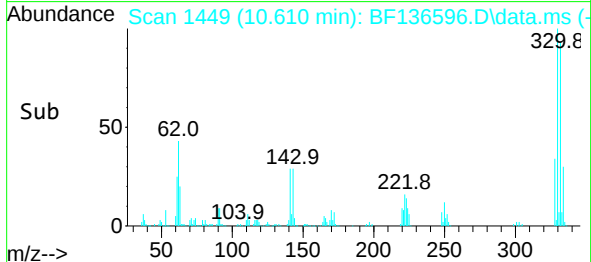
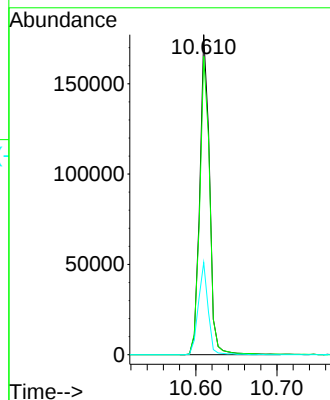
Tgt Ion:330 Resp: 148510

Ion Ratio Lower Upper

330 100

332 95.0 76.4 114.6

141 28.6 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 71.704 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.006 min

Lab File: BF136596.D

Acq: 15 Dec 2023 16:56

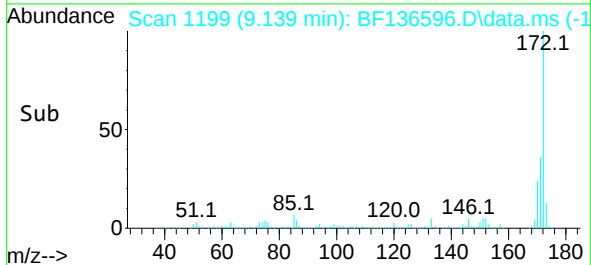
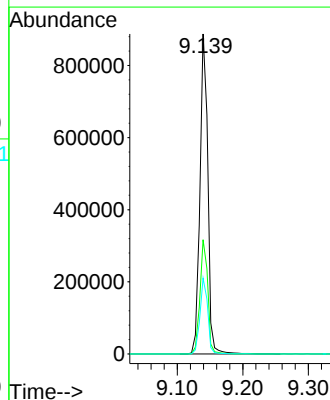
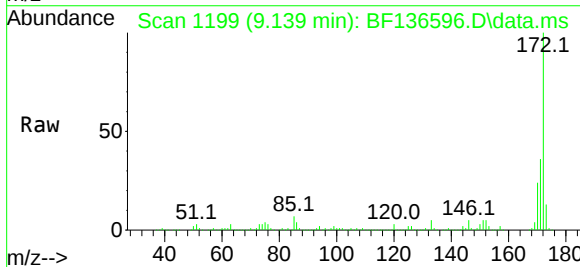
Tgt Ion:172 Resp: 742402

Ion Ratio Lower Upper

172 100

171 35.7 30.5 45.7

170 23.7 19.9 29.9

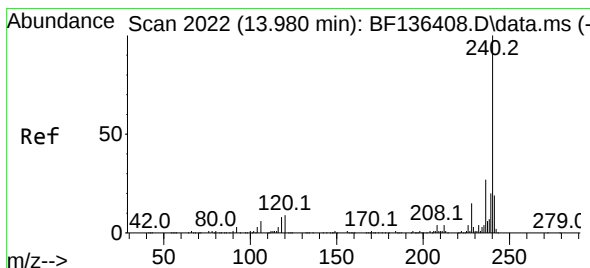
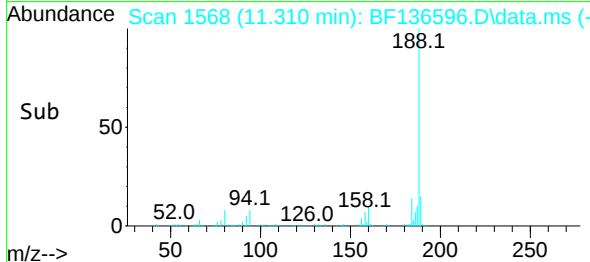
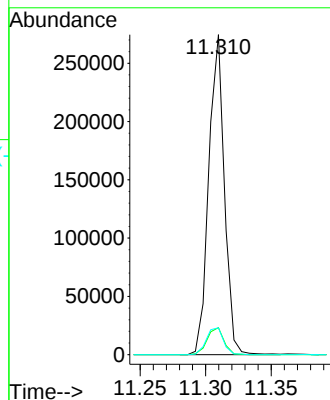
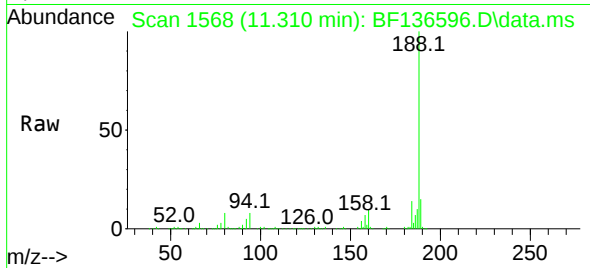




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.310 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF136596.D
Acq: 15 Dec 2023 16:56

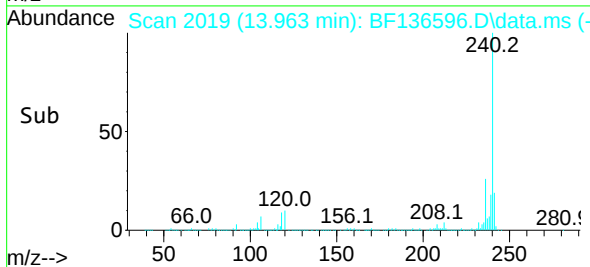
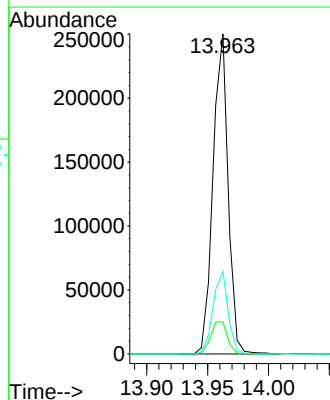
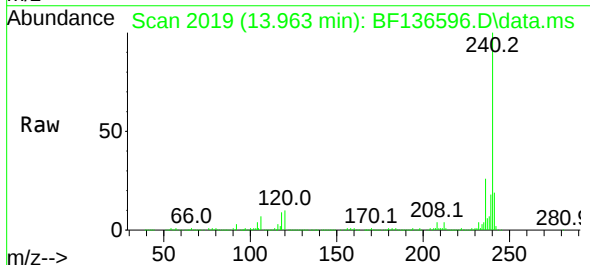
Instrument :
BNA_F
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14TH-SOIL-2

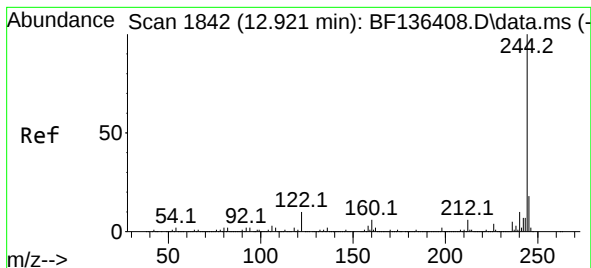
Tgt Ion:188 Resp: 228126
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 8.4 7.2 10.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.963 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF136596.D
Acq: 15 Dec 2023 16:56

Tgt Ion:240 Resp: 216137
Ion Ratio Lower Upper
240 100
120 10.0 7.3 10.9
236 25.9 21.3 31.9





#79

Terphenyl-d14

Concen: 44.324 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.006 min

Lab File: BF136596.D

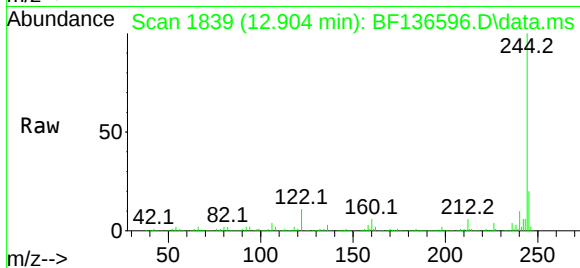
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Instrument :

BNA_F

ClientSampleId :

14TH-SOIL-2



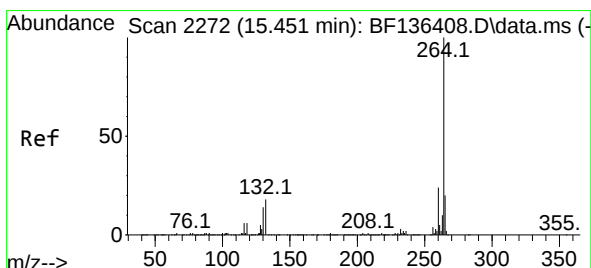
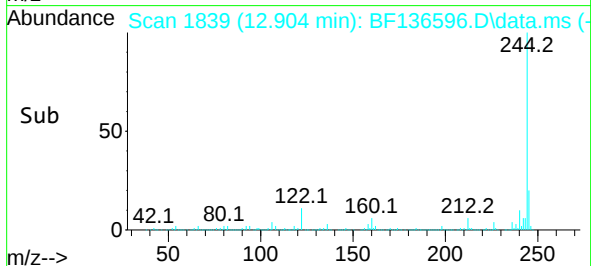
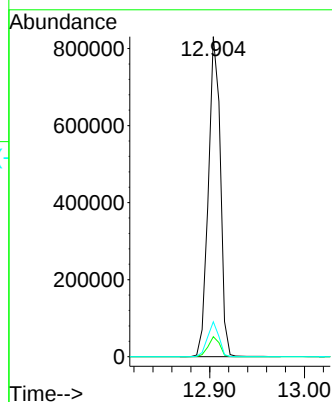
Tgt Ion:244 Resp: 726843

Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 10.9 8.3 12.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.439 min Scan# 2270

Delta R.T. -0.000 min

Lab File: BF136596.D

Acq: 15 Dec 2023 16:56

Tgt Ion:264 Resp: 215051

Ion Ratio Lower Upper

264 100

260 23.0 19.2 28.8

265 21.1 15.9 23.9

