

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082324\
Data File : BF139149.D
Acq On : 23 Aug 2024 16:12
Operator : RC/JU
Sample : P3704-03
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LNG-Soil Pile

Quant Time: Aug 23 16:49:09 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 21 01:25:05 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	81055	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	299651	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	169075	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	271912	20.000	ng	0.00
76) Chrysene-d12	14.057	240	151773	20.000	ng	0.00
86) Perylene-d12	15.533	264	156512	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	585330	111.102	ng	0.00
7) Phenol-d6	6.522	99	717264	105.365	ng	0.00
23) Nitrobenzene-d5	7.457	82	558697	108.644	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	231555	151.283	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	929418	87.217	ng	0.00
79) Terphenyl-d14	13.004	244	907789	99.246	ng	0.00

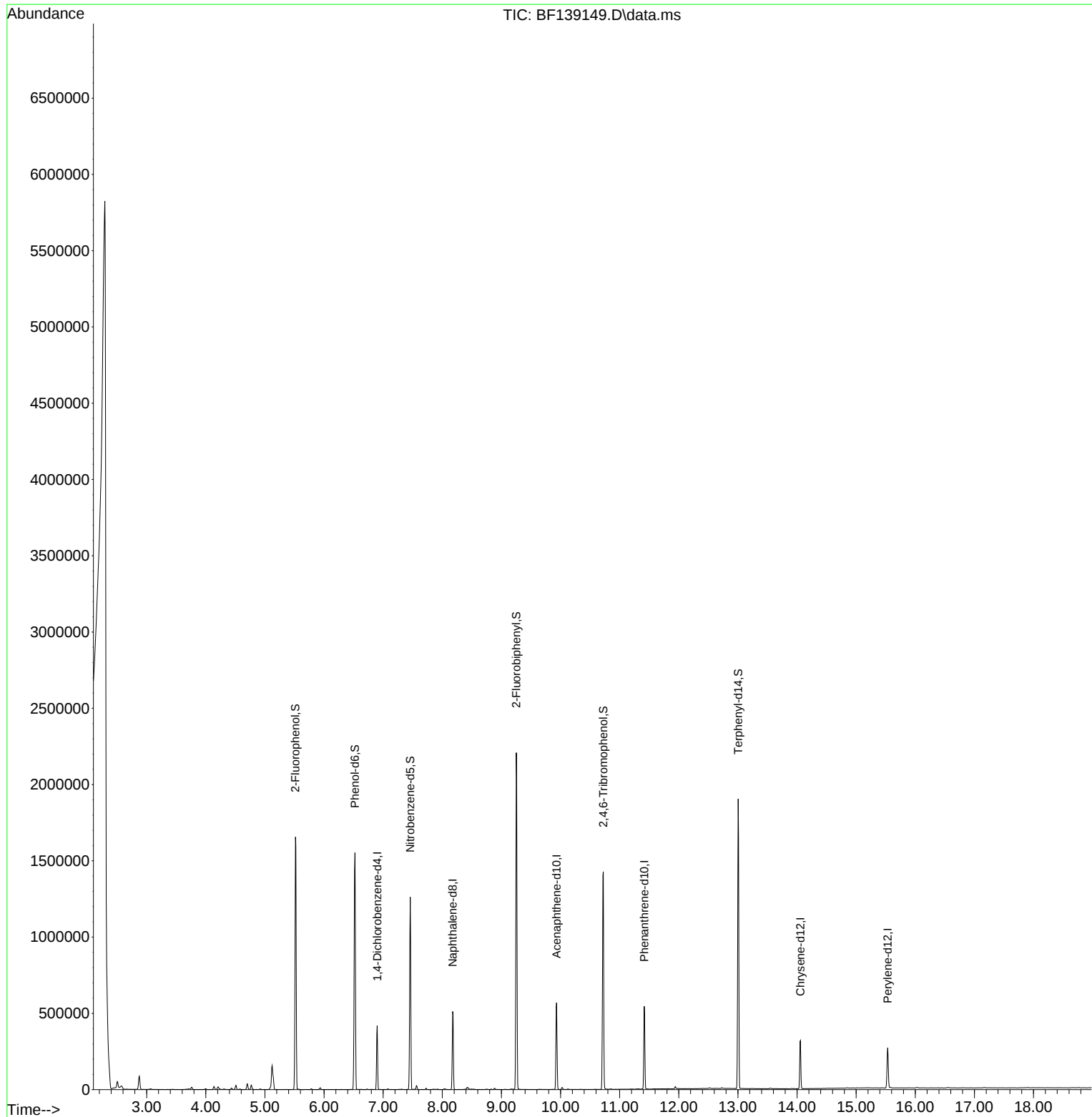
Target Compounds	Qvalue

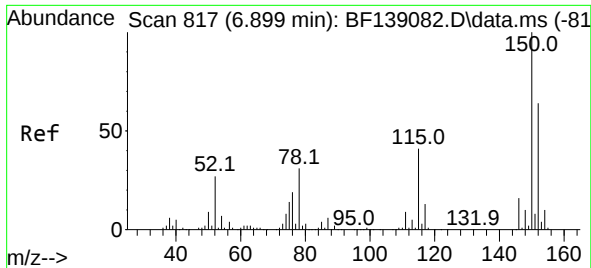
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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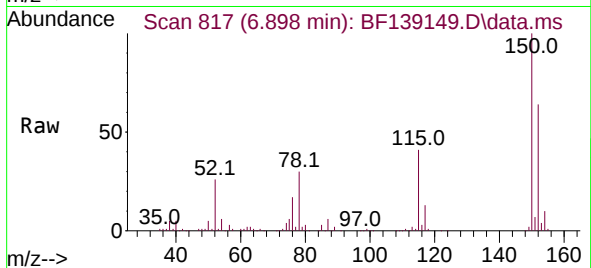
Quant Time: Aug 23 16:49:09 2024
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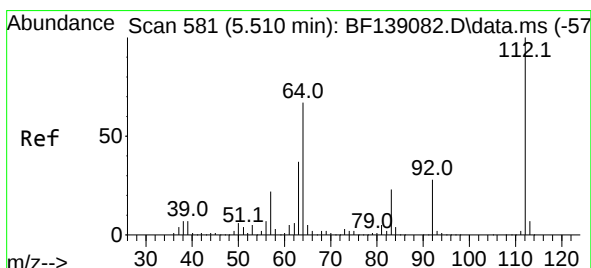
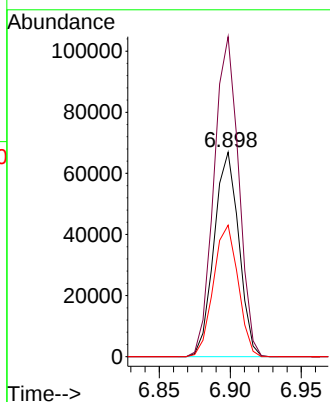
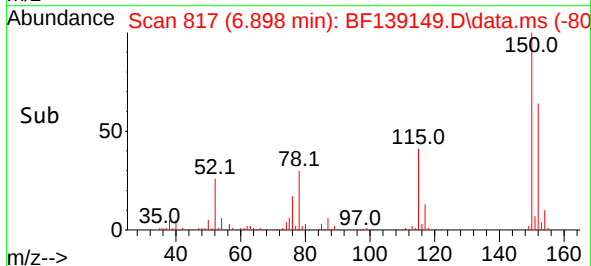


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

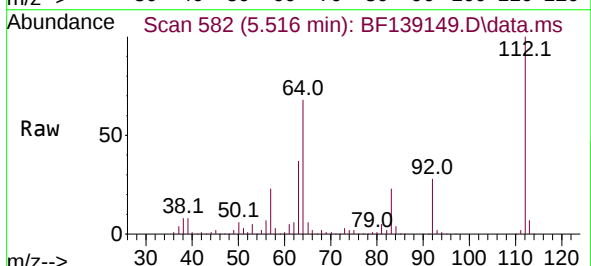
Instrument :
BNA_F
ClientSampleId :
LNG-Soil Pile



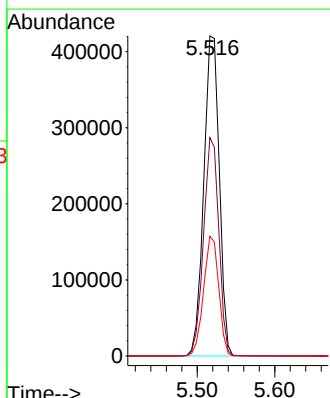
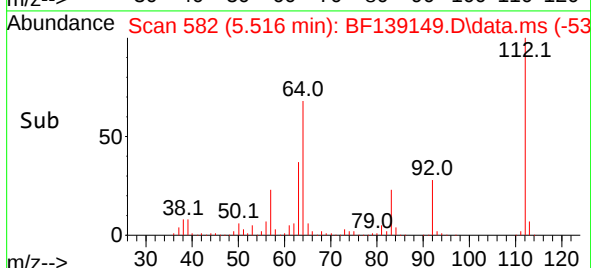
Tgt Ion:152 Resp: 81055
Ion Ratio Lower Upper
152 100
150 156.4 125.1 187.7
115 64.3 51.8 77.6



#5
2-Fluorophenol
Concen: 111.102 ng
RT: 5.516 min Scan# 582
Delta R.T. 0.006 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12



Tgt Ion:112 Resp: 585330
Ion Ratio Lower Upper
112 100
64 68.2 53.8 80.6
63 37.4 29.4 44.2

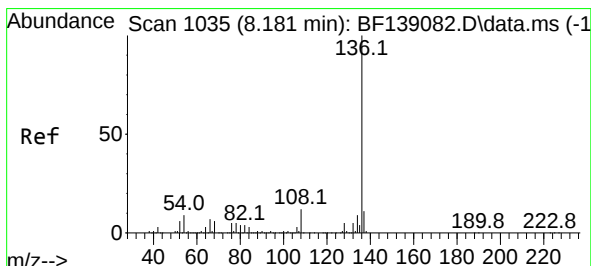
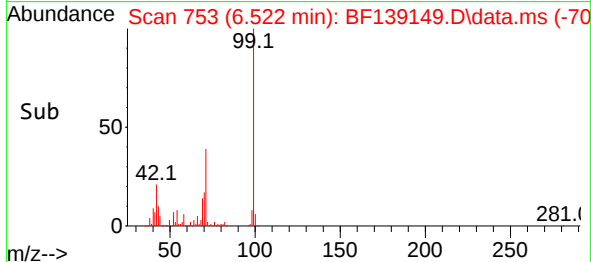
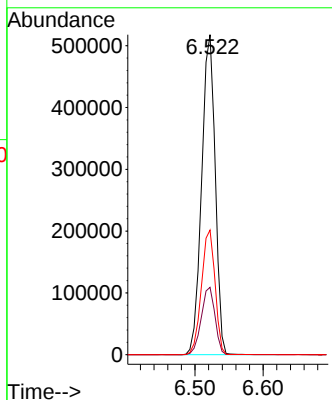
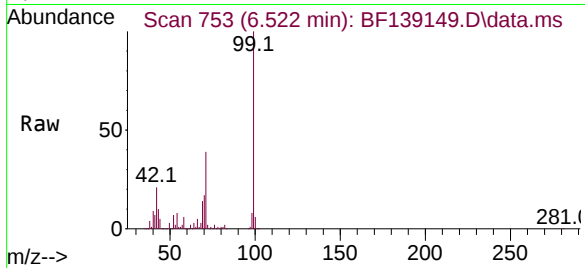




#7
Phenol-d6
Concen: 105.365 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

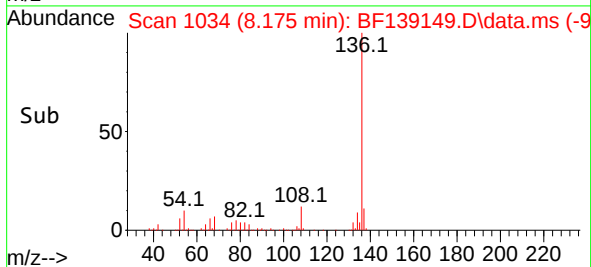
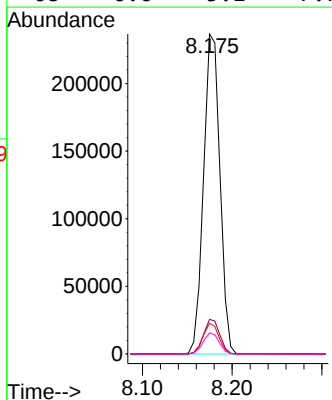
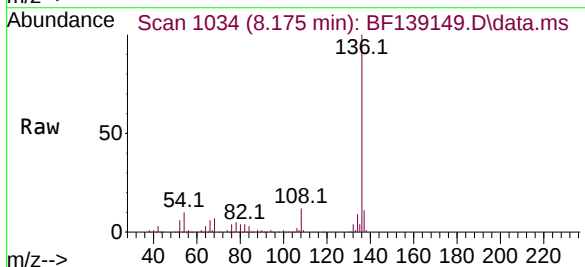
Instrument :
BNA_F
ClientSampleId :
LNG-Soil Pile

Tgt Ion: 99 Resp: 717264
Ion Ratio Lower Upper
99 100
42 21.0 17.4 26.2
71 39.0 31.2 46.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

Tgt Ion:136 Resp: 299651
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 9.6 7.6 11.4
68 6.6 5.1 7.7





#23

Nitrobenzene-d5

Concen: 108.644 ng

RT: 7.457 min Scan# 913

Delta R.T. -0.006 min

Lab File: BF139149.D

Acq: 23 Aug 2024 16:12

Instrument :

BNA_F

ClientSampleId :

LNG-Soil Pile

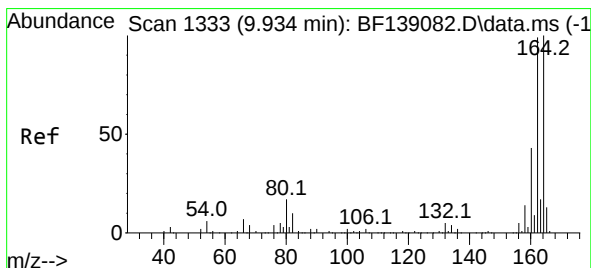
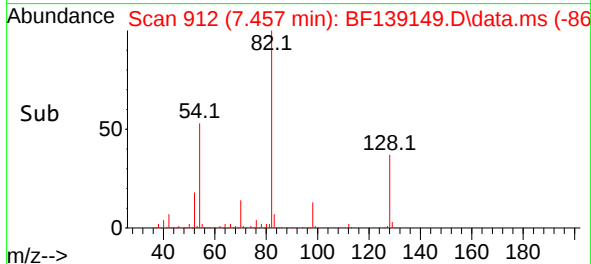
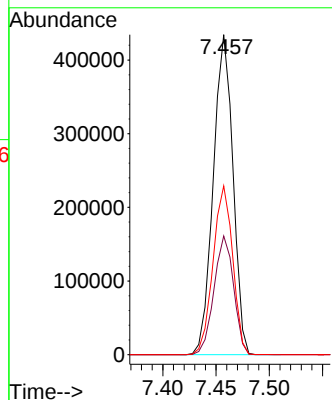
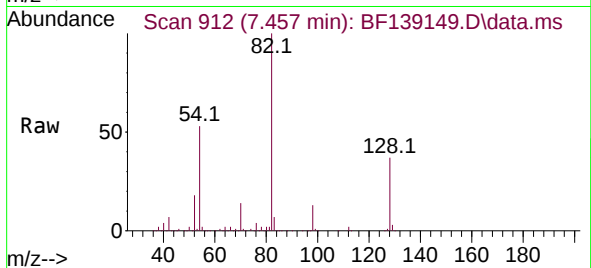
Tgt Ion: 82 Resp: 558697

Ion Ratio Lower Upper

82 100

128 37.1 29.0 43.4

54 52.7 43.4 65.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1333

Delta R.T. -0.000 min

Lab File: BF139149.D

Acq: 23 Aug 2024 16:12

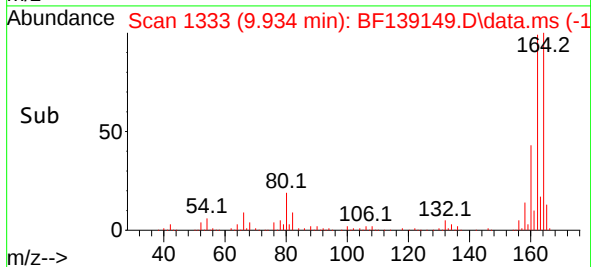
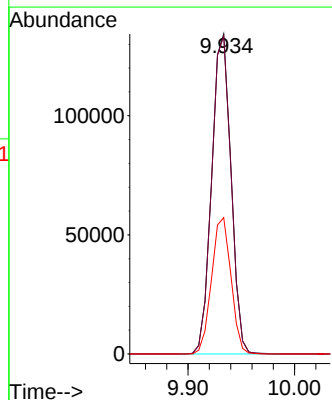
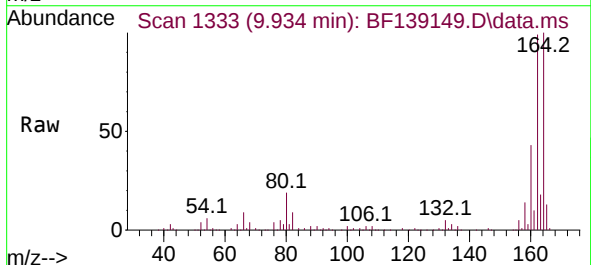
Tgt Ion:164 Resp: 169075

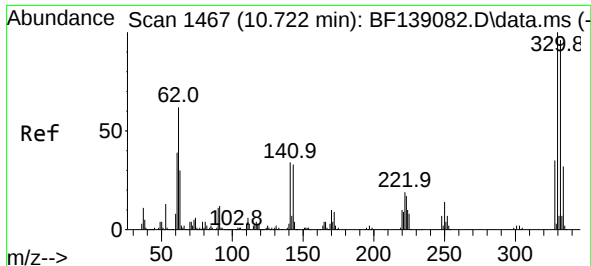
Ion Ratio Lower Upper

164 100

162 99.3 79.5 119.3

160 42.6 34.5 51.7





#42

2,4,6-Tribromophenol

Concen: 151.283 ng

RT: 10.722 min Scan# 1467

Delta R.T. -0.000 min

Lab File: BF139149.D

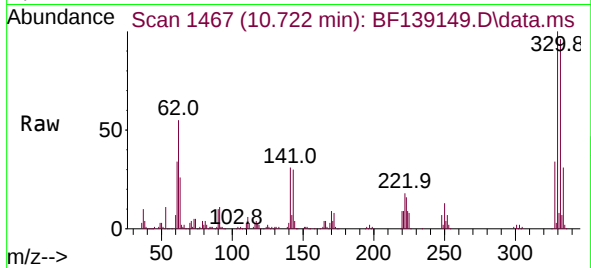
Acq: 23 Aug 2024 16:12

Instrument :

BNA_F

ClientSampleId :

LNG-Soil Pile



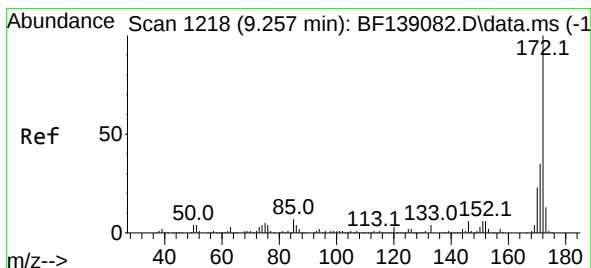
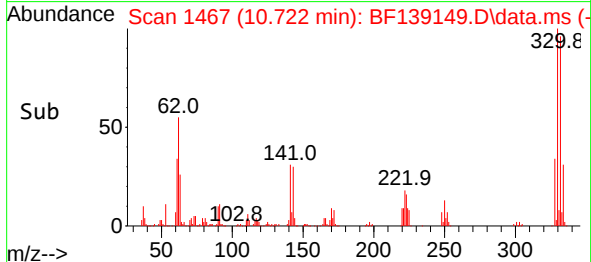
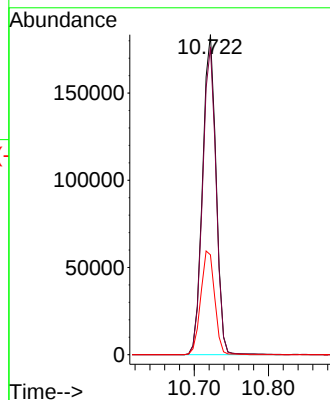
Tgt Ion:330 Resp: 231555

Ion Ratio Lower Upper

330 100

332 96.3 77.0 115.6

141 33.5 27.5 41.3



#45

2-Fluorobiphenyl

Concen: 87.217 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF139149.D

Acq: 23 Aug 2024 16:12

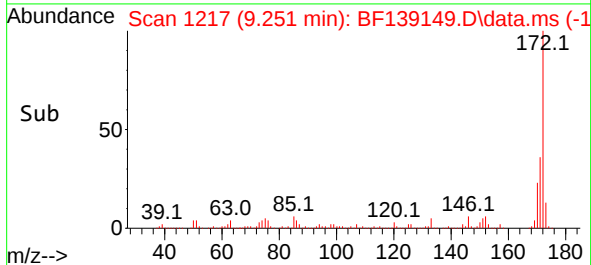
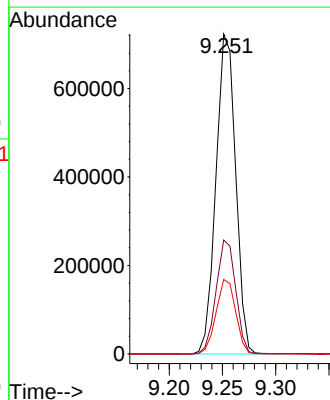
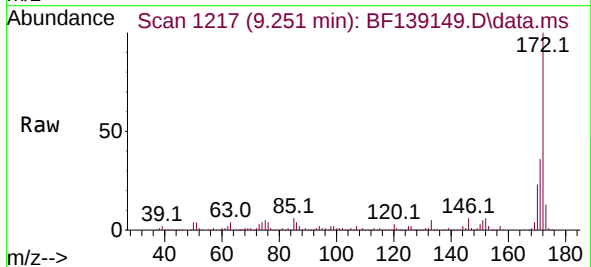
Tgt Ion:172 Resp: 929418

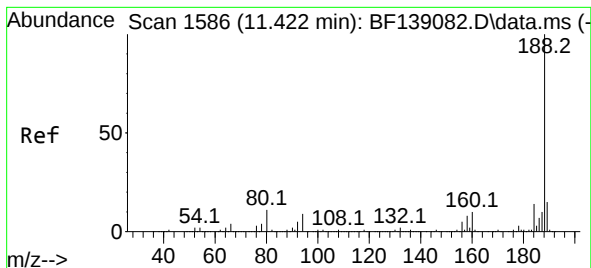
Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.3 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139149.D

Acq: 23 Aug 2024 16:12

Instrument :

BNA_F

ClientSampleId :

LNG-Soil Pile

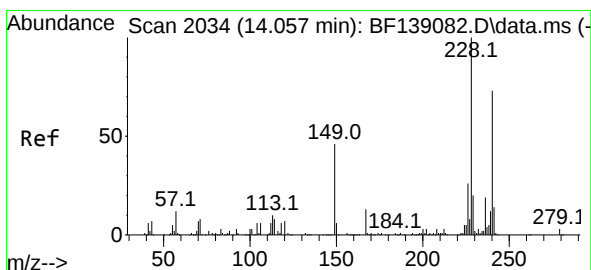
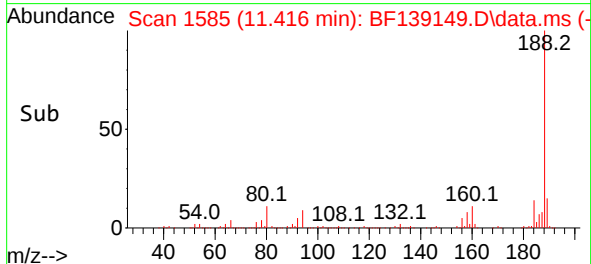
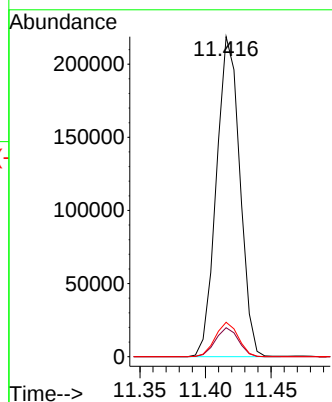
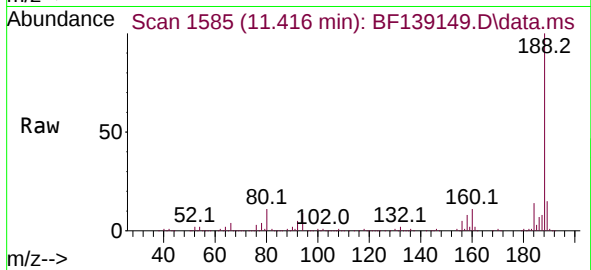
Tgt Ion:188 Resp: 271912

Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

80 10.8 8.5 12.7



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. -0.000 min

Lab File: BF139149.D

Acq: 23 Aug 2024 16:12

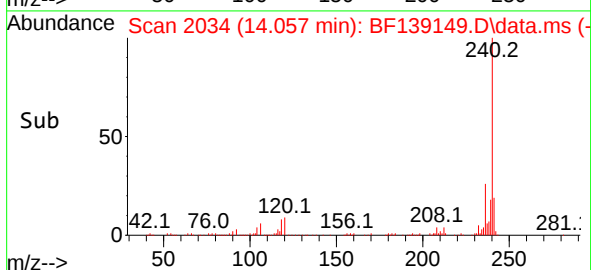
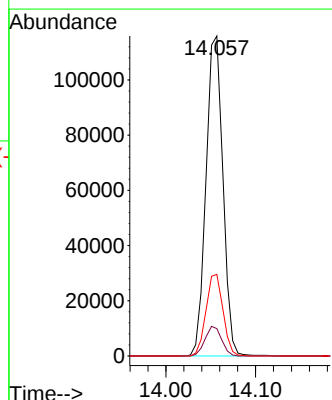
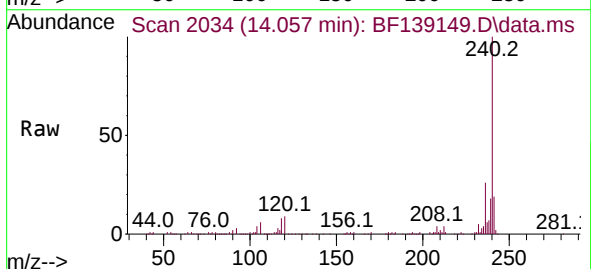
Tgt Ion:240 Resp: 151773

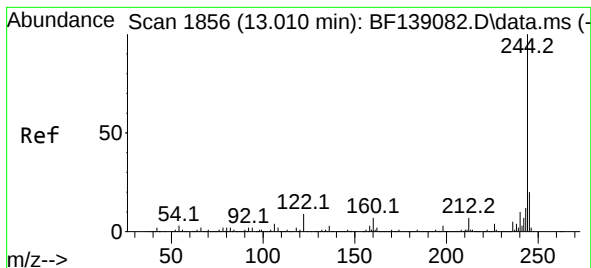
Ion Ratio Lower Upper

240 100

120 8.6 7.8 11.6

236 25.5 20.9 31.3





#79

Terphenyl-d14

Concen: 99.246 ng

RT: 13.004 min Scan# 1855

Delta R.T. -0.006 min

Lab File: BF139149.D

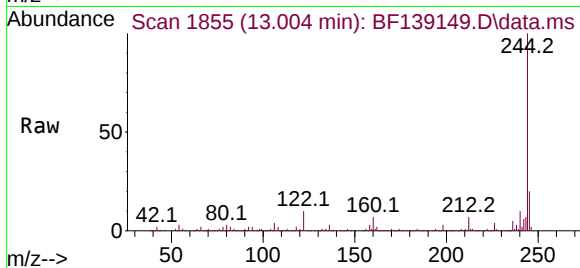
Acq: 23 Aug 2024 16:12

Instrument :

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LNG-Soil Pile



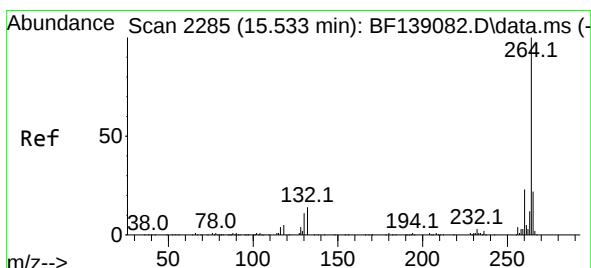
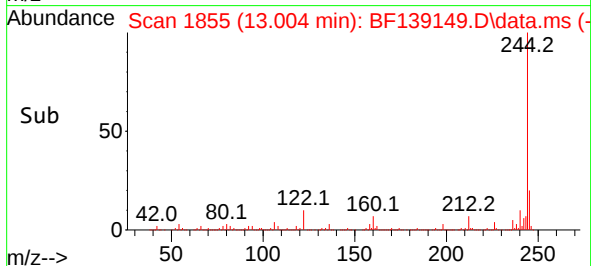
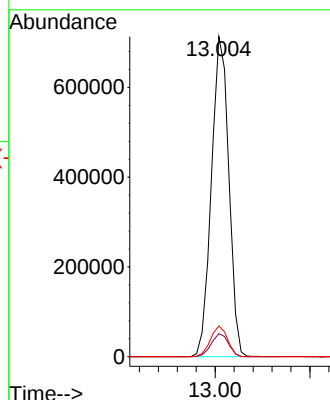
Tgt Ion:244 Resp: 907789

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.6 7.6 11.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.533 min Scan# 2285

Delta R.T. -0.000 min

Lab File: BF139149.D

Acq: 23 Aug 2024 16:12

Tgt Ion:264 Resp: 156512

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 20.9 17.4 26.2

