

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)

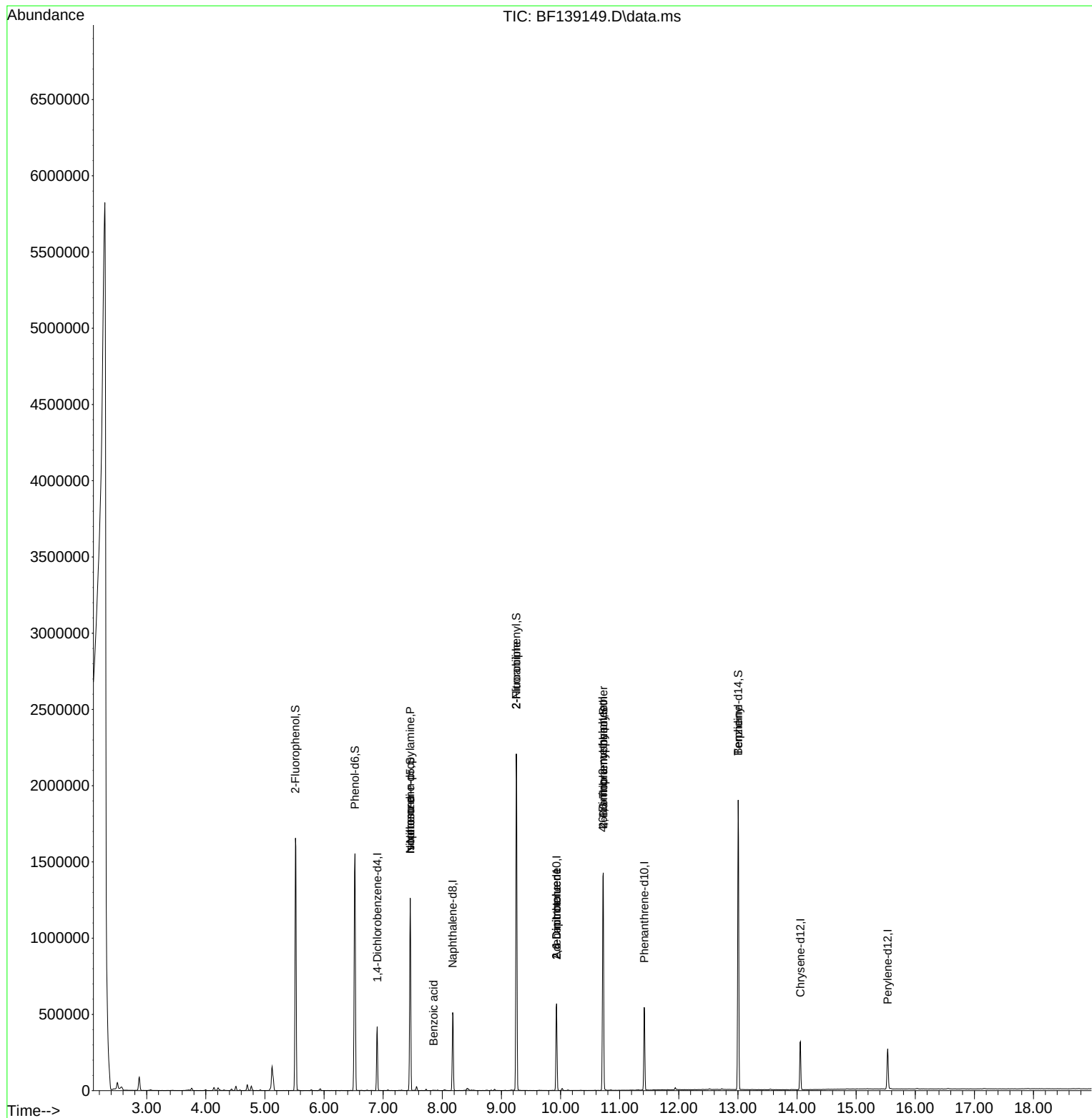
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	81055	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	299651	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	169075	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	271912	20.000	ng	0.00
76) Chrysene-d12	14.057	240	151773	20.000	ng	0.00
86) Perylene-d12	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	
19) n-Nitroso-di-n-propyla...	7.457	70	77683	17.377	ng	# 79
25) Isophorone	7.457	82	558691	51.115	ng	# 69
32) Benzoic acid	7.851	122	243	8.417	ng	# 81
48) 2-Nitroaniline	9.251	65	1817	6.251	ng	# 1
51) 2,6-Dinitrotoluene	9.934	165	22013	14.042	ng	# 16
57) 2,4-Dinitrotoluene	9.934	165	22013	12.963	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.716	198	508	7.032	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	16347	5.674	ng	# 1
77) Benzidine	13.004	184	12453	3.972	ng	# 90

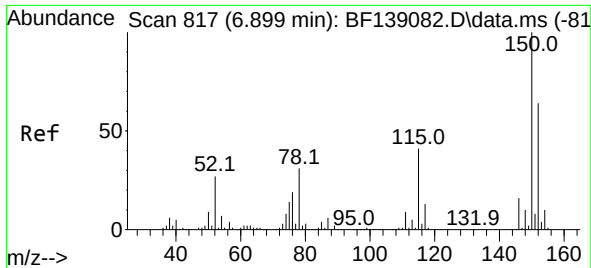
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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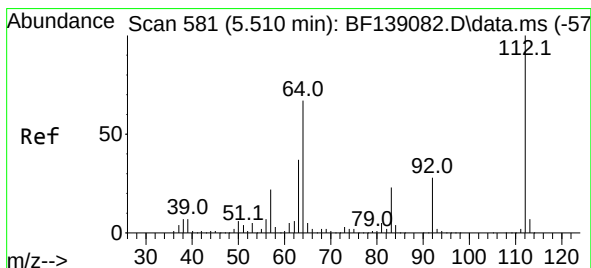
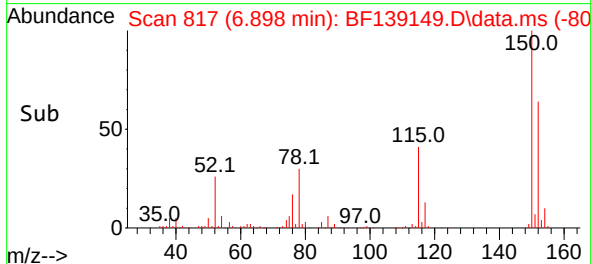
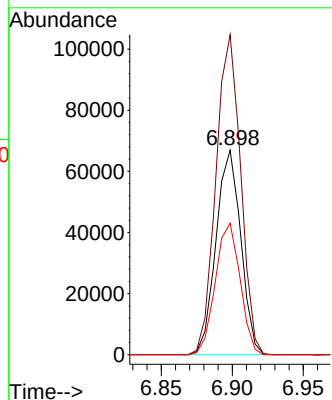
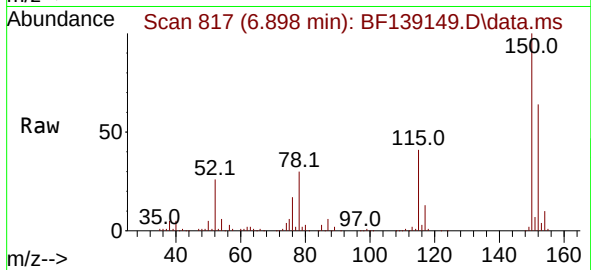




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

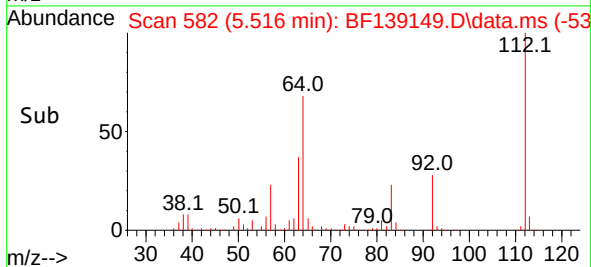
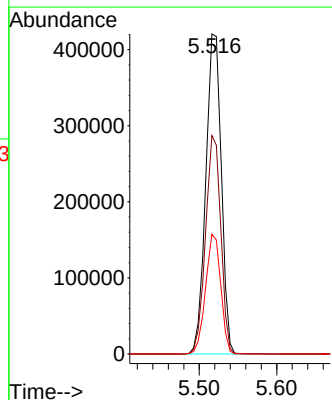
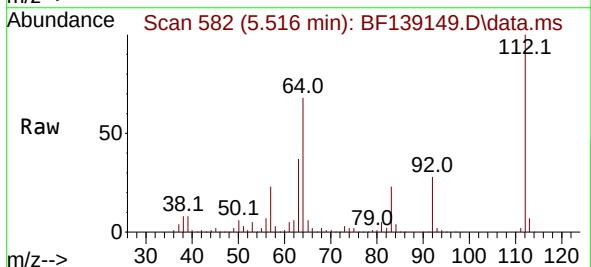
Instrument :
BNA_F
ClientSampleId :
LNG-Soil Pile

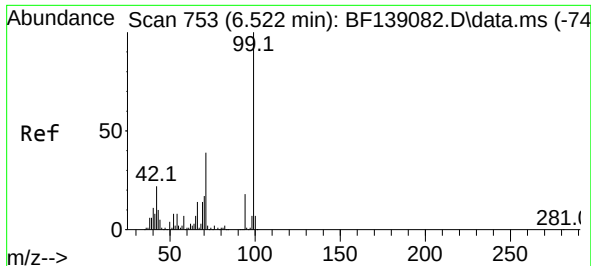
Tgt Ion:152 Resp: 81055
Ion Ratio Lower Upper
152 100
150 156.4 125.1 187.7
115 64.3 51.8 77.6



#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

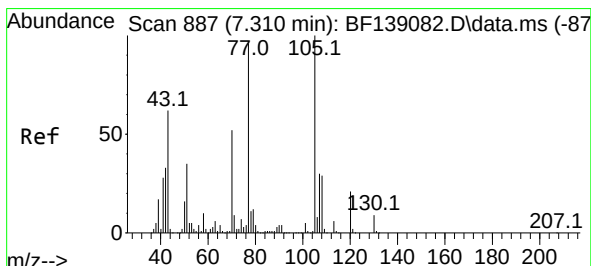
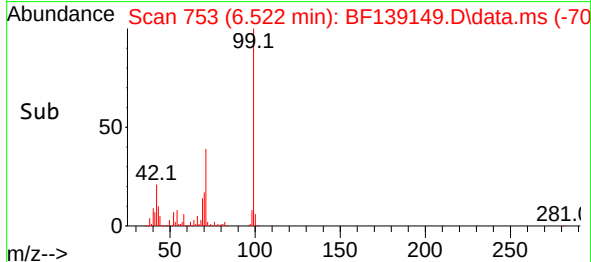
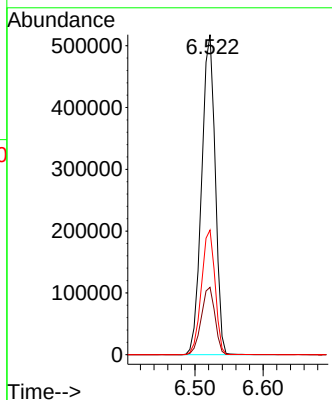
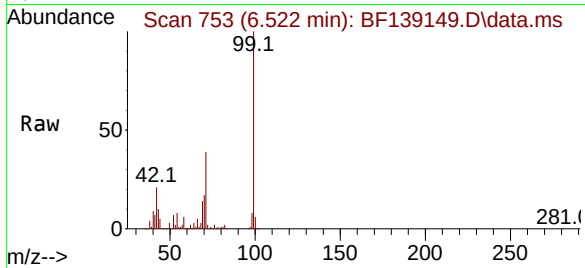




#7
Phenol-d6
Concen: 105.365 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

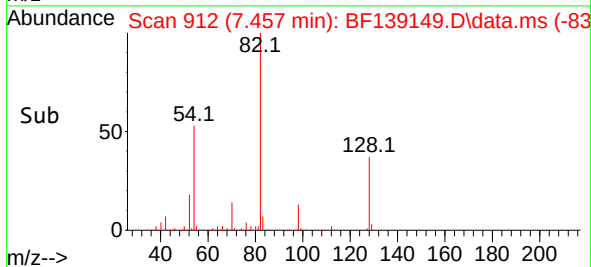
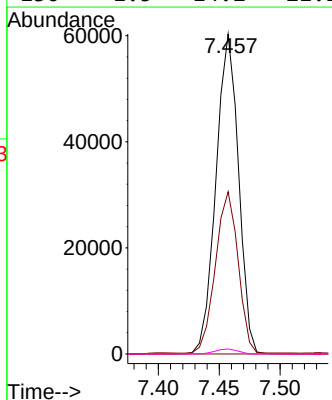
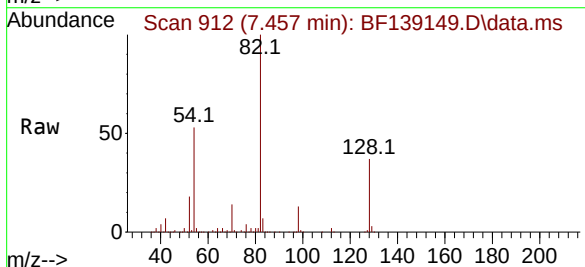
Instrument :
BNA_F
ClientSampleId :
LNG-Soil Pile

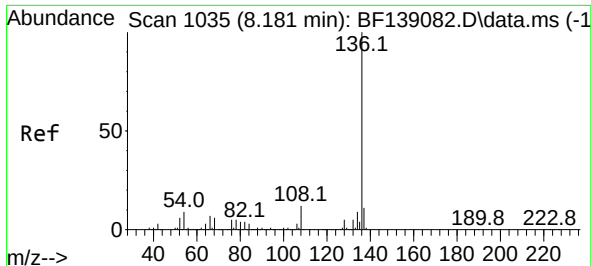
Tgt Ion: 99 Resp: 717264
Ion Ratio Lower Upper
99 100
42 21.0 17.4 26.2
71 39.0 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 17.377 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

Tgt Ion: 70 Resp: 77683
Ion Ratio Lower Upper
70 100
42 50.7 50.5 75.7
101 0.0 7.2 10.8#
130 1.5 14.2 21.2#



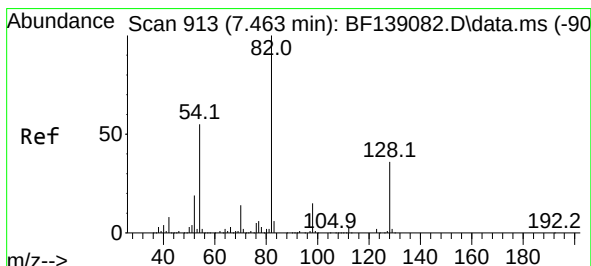
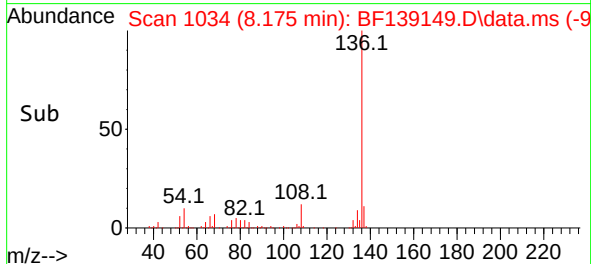
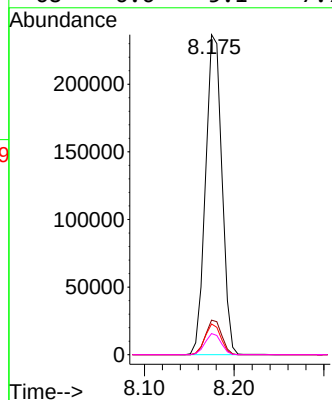
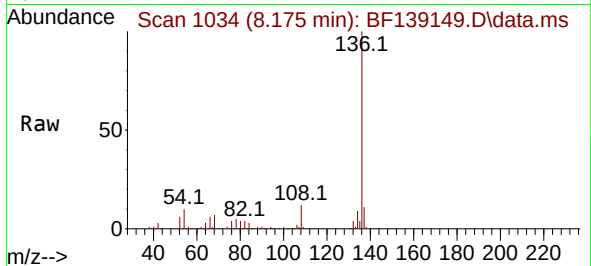


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

Instrument :
BNA_F
ClientSampleId :
LNG-Soil Pile

Tgt Ion:136 Resp: 299651

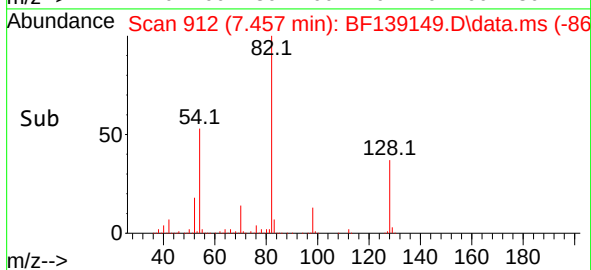
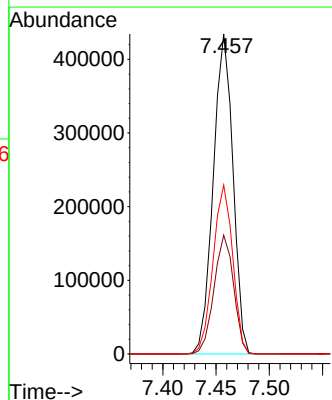
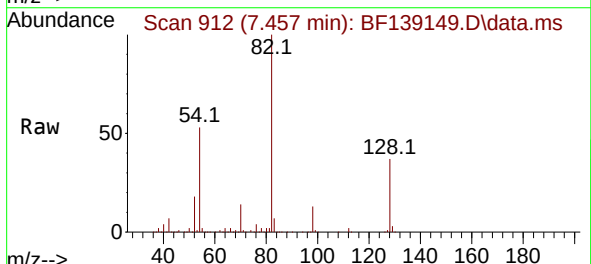
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.7	13.1
54	9.6	7.6	11.4
68	6.6	5.1	7.7

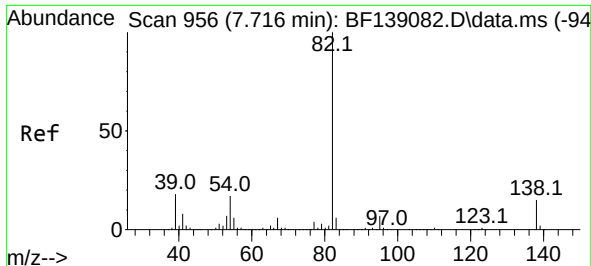


#23
Nitrobenzene-d5
Concen: 108.644 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

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

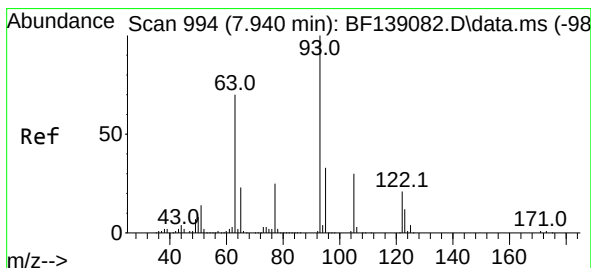
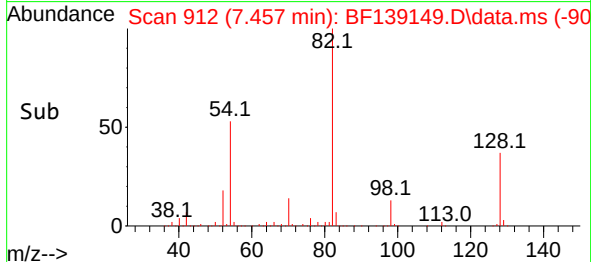
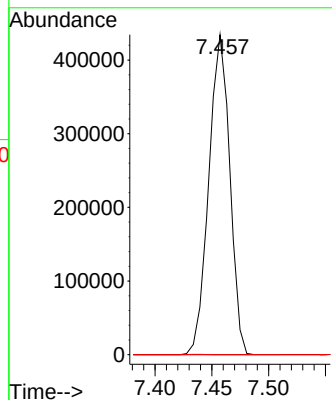
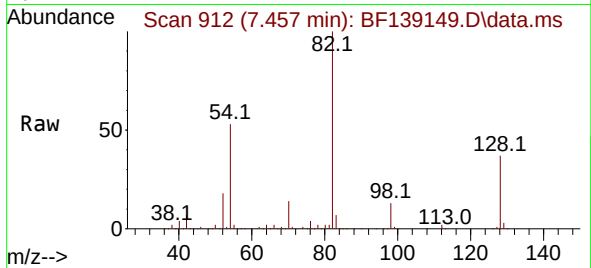




#25
Isophorone
Concen: 51.115 ng
RT: 7.457 min Scan# 911
Delta R.T. -0.259 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

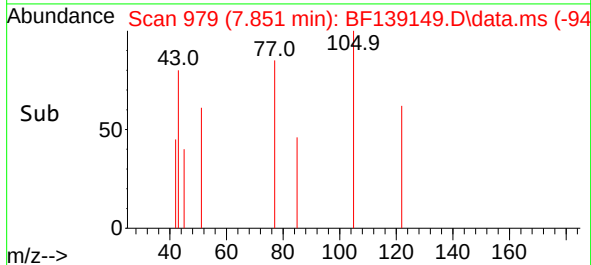
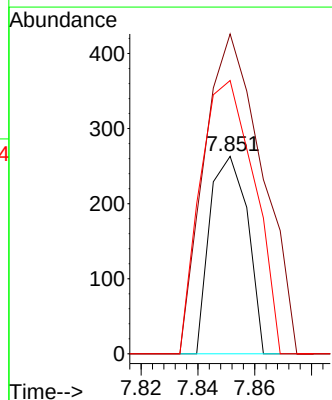
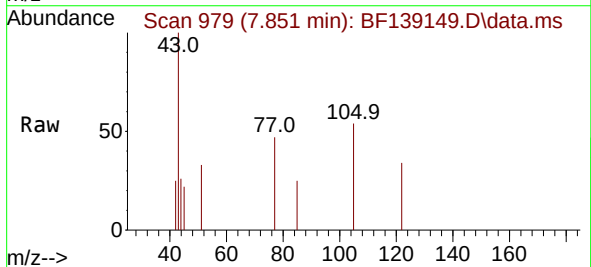
Instrument :
BNA_F
ClientSampleId :
LNG-Soil Pile

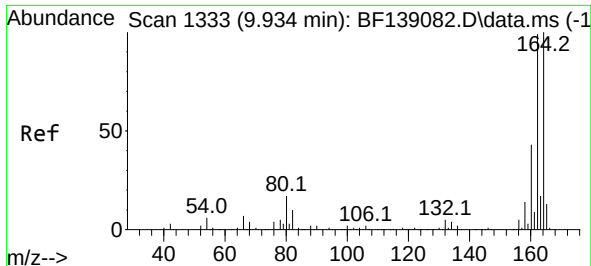
Tgt Ion: 82 Resp: 558691
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 8.417 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.089 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

Tgt Ion: 122 Resp: 243
Ion Ratio Lower Upper
122 100
105 162.0 119.6 159.6#
77 138.4 97.6 137.6#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.934 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139149.D

Acq: 23 Aug 2024 16:12

Instrument :

BNA_F

ClientSampleId :

LNG-Soil Pile

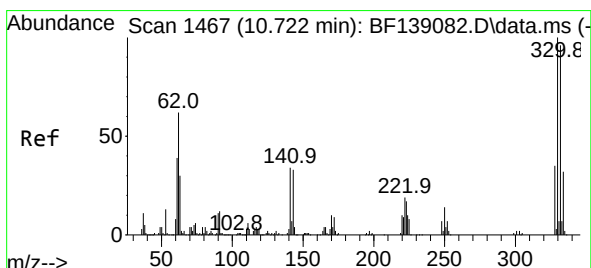
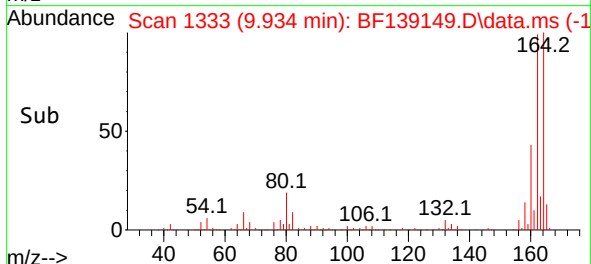
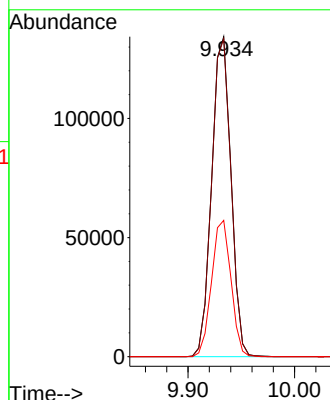
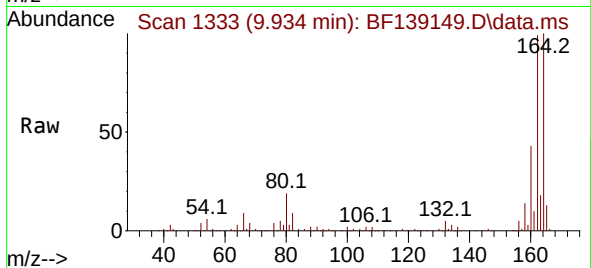
Tgt Ion:164 Resp: 169075

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

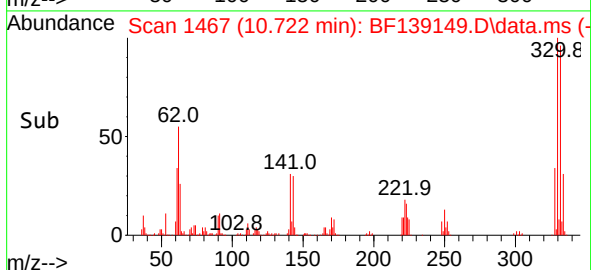
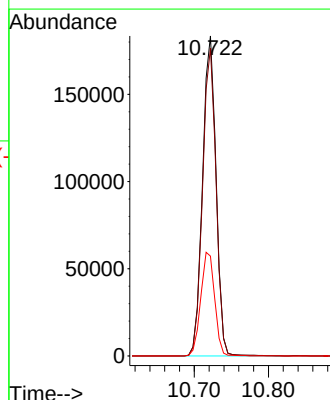
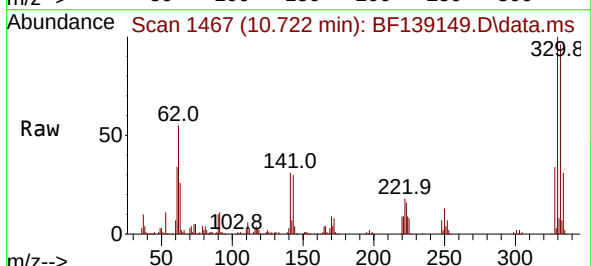
Tgt Ion:330 Resp: 231555

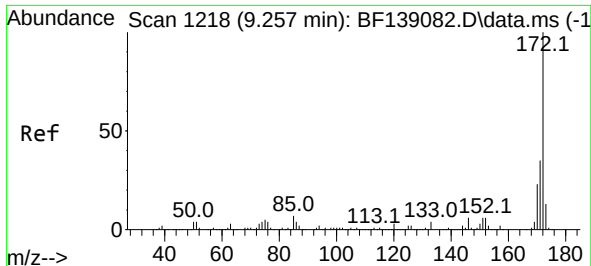
Ion Ratio Lower Upper

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

Instrument :

BNA_F

ClientSampleId :

LNG-Soil Pile

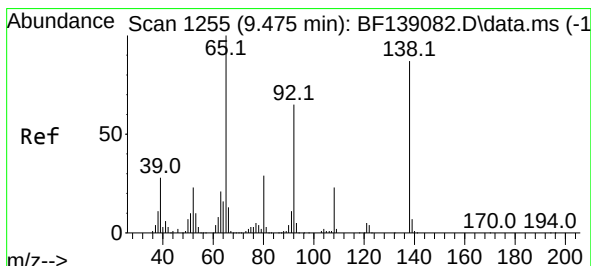
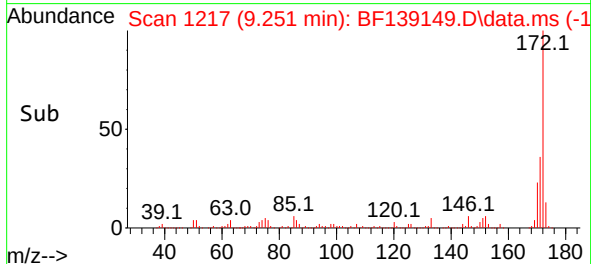
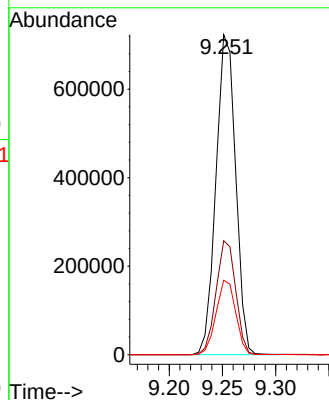
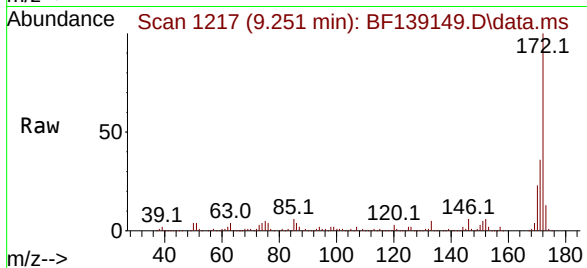
Tgt Ion:172 Resp: 929418

Ion Ratio Lower Upper

172 100

171 35.6 28.4 42.6

170 23.3 18.8 28.2



#48

2-Nitroaniline

Concen: 6.251 ng

RT: 9.251 min Scan# 1217

Delta R.T. -0.224 min

Lab File: BF139149.D

Acq: 23 Aug 2024 16:12

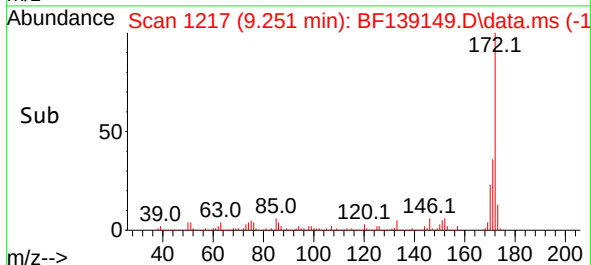
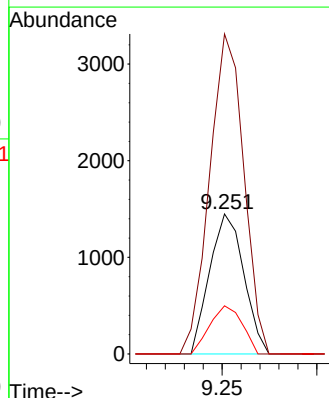
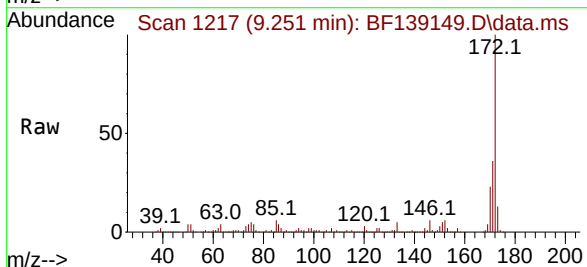
Tgt Ion: 65 Resp: 1817

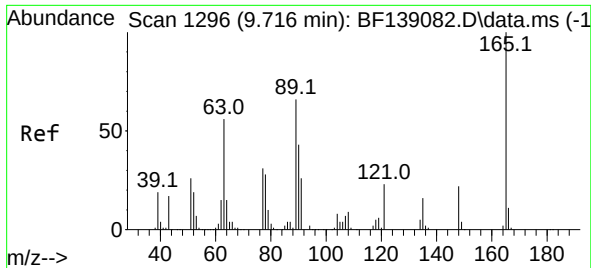
Ion Ratio Lower Upper

65 100

92 228.6 52.4 78.6#

138 34.4 69.4 104.0#

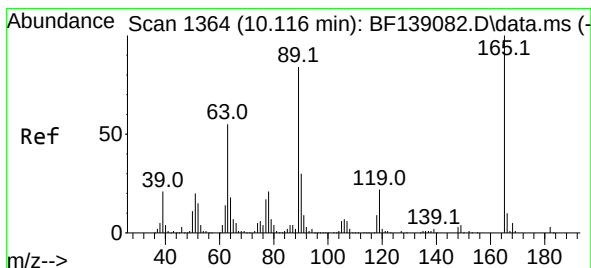
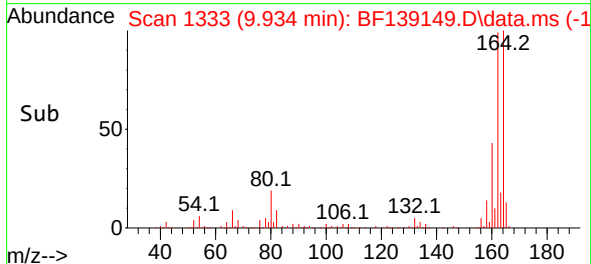
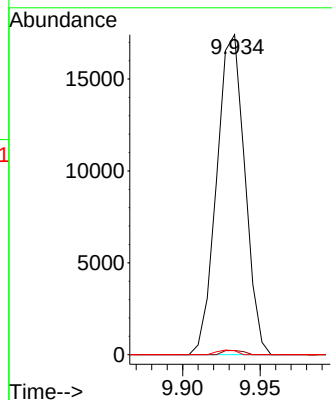
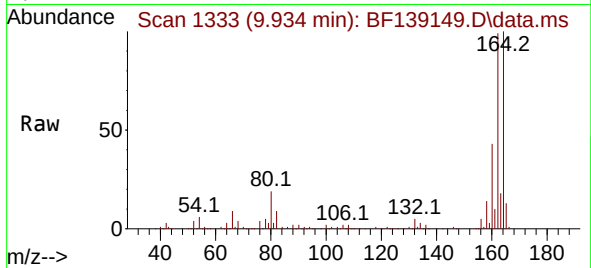




#51
2,6-Dinitrotoluene
Concen: 14.042 ng
RT: 9.934 min Scan# 11
Delta R.T. 0.218 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

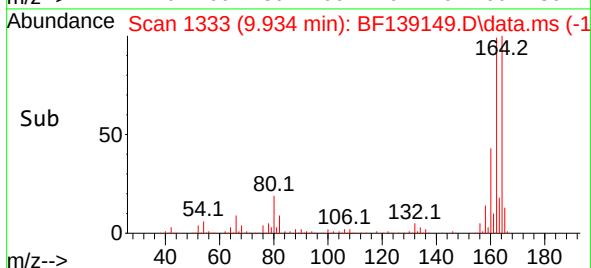
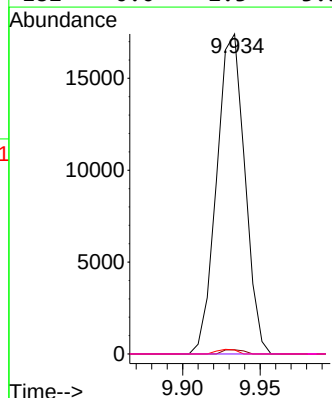
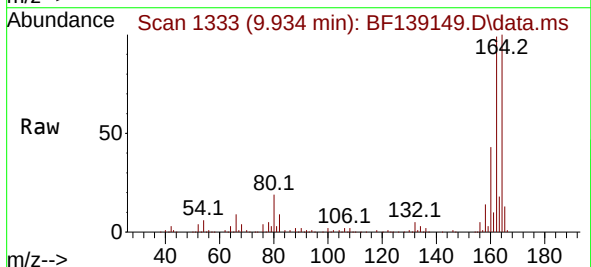
Instrument :
BNA_F
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LNG-Soil Pile

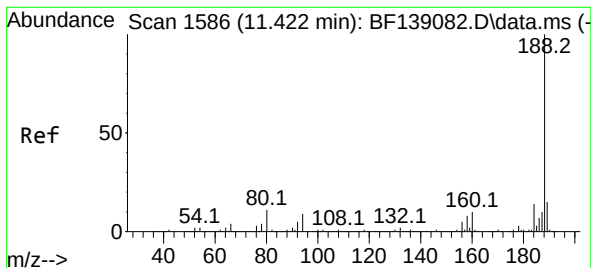
Tgt Ion:165 Resp: 22013
Ion Ratio Lower Upper
165 100
63 1.3 58.0 87.0#
89 1.3 53.3 79.9#



#57
2,4-Dinitrotoluene
Concen: 12.963 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.182 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

Tgt Ion:165 Resp: 22013
Ion Ratio Lower Upper
165 100
63 1.3 44.2 66.4#
89 1.3 67.4 101.2#
182 0.0 2.3 3.5#





#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

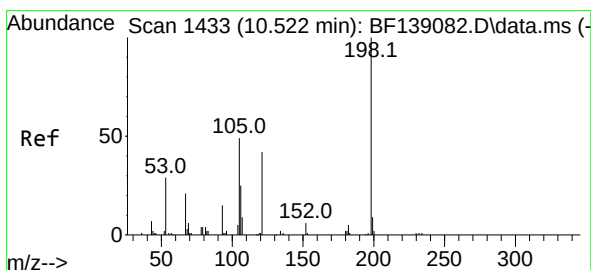
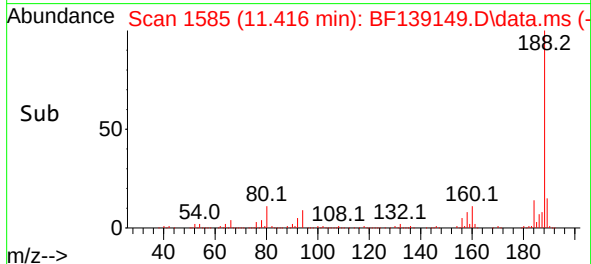
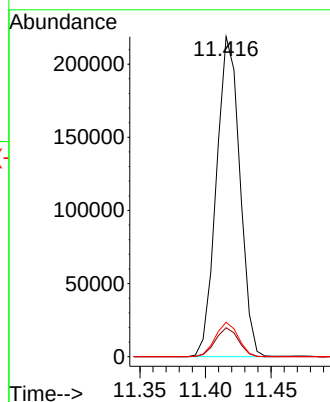
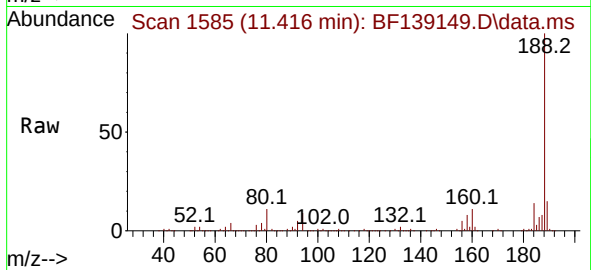
Tgt Ion:188 Resp: 271912

Ion Ratio Lower Upper

188 100

94 9.1 7.2 10.8

80 10.8 8.5 12.7



#65

4,6-Dinitro-2-methylphenol

Concen: 7.032 ng

RT: 10.716 min Scan# 1466

Delta R.T. 0.194 min

Lab File: BF139149.D

Acq: 23 Aug 2024 16:12

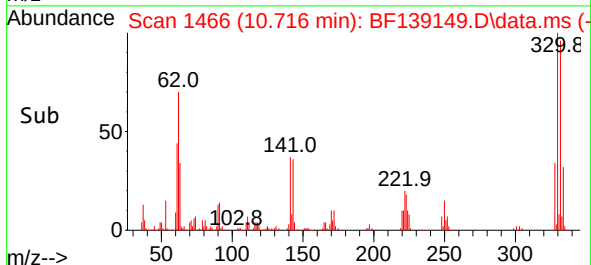
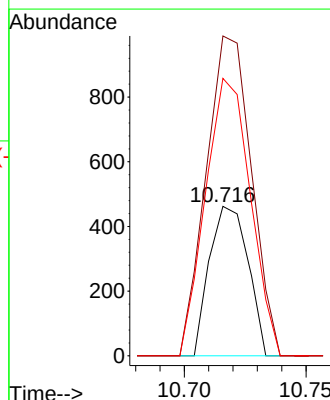
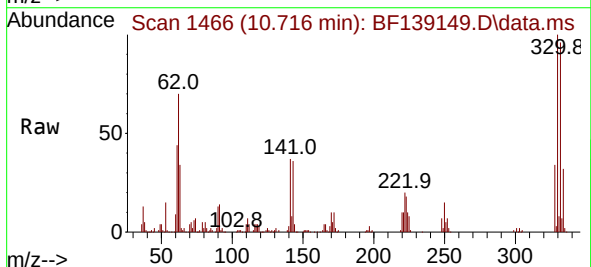
Tgt Ion:198 Resp: 508

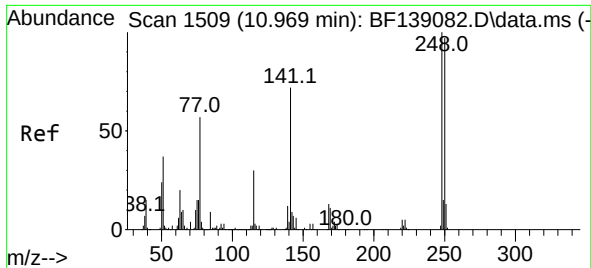
Ion Ratio Lower Upper

198 100

51 214.1 40.8 80.8#

105 185.7 30.9 70.9#

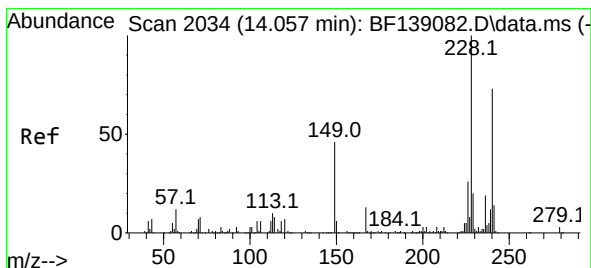
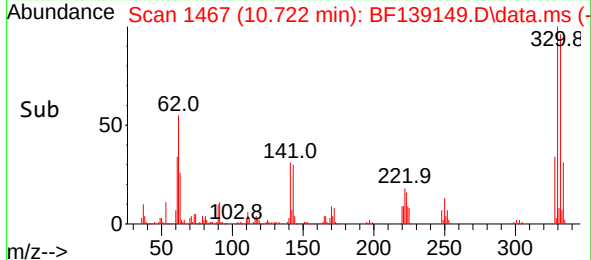
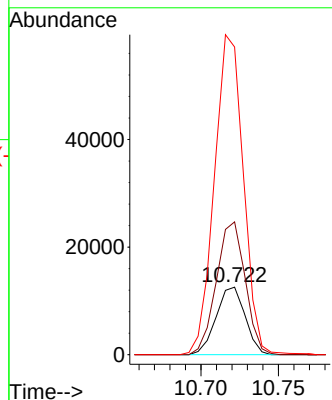
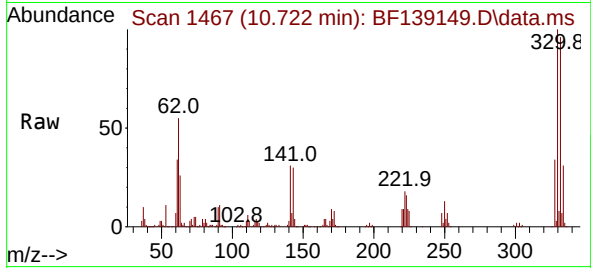




#67
4-Bromophenyl-phenylether
Concen: 5.674 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.247 min
Lab File: BF139149.D
Acq: 23 Aug 2024 16:12

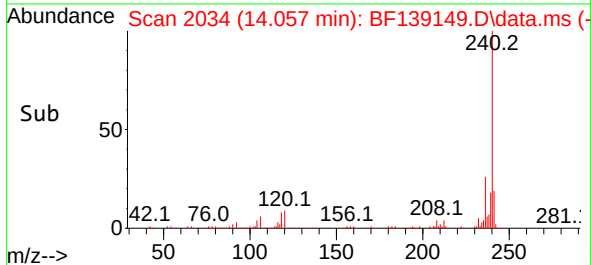
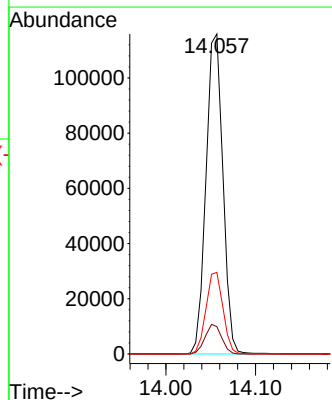
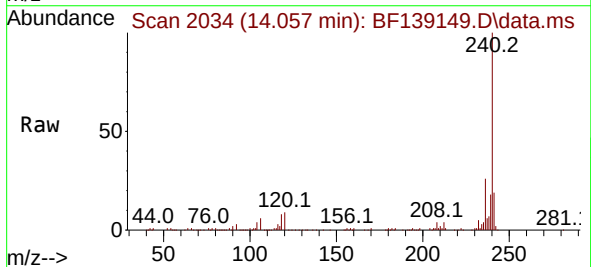
Instrument :
BNA_F
ClientSampleId :
LNG-Soil Pile

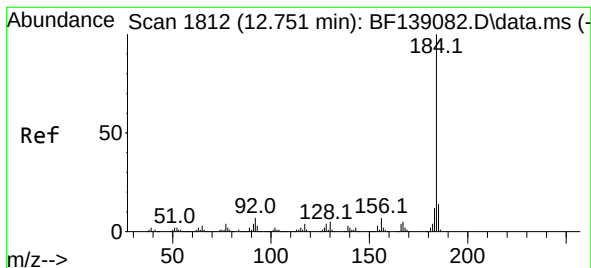
Tgt Ion:248 Resp: 16347
Ion Ratio Lower Upper
248 100
250 196.5 77.8 116.8#
141 455.4 57.9 86.9#



#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





#77

Benzidine

Concen: 3.972 ng

RT: 13.004 min Scan# 1855

Delta R.T. 0.253 min

Lab File: BF139149.D

Acq: 23 Aug 2024 16:12

Instrument :

BNA_F

ClientSampleId :

LNG-Soil Pile

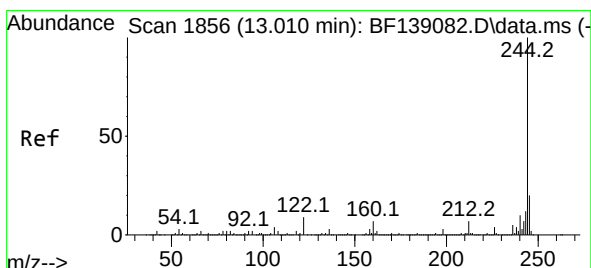
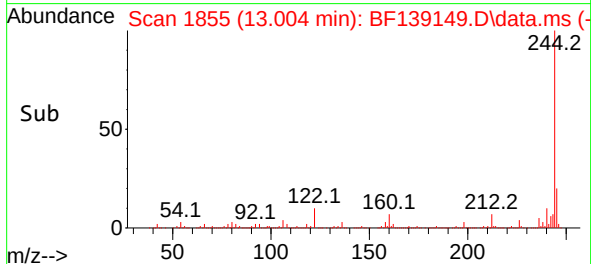
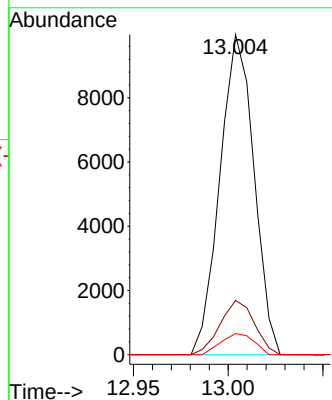
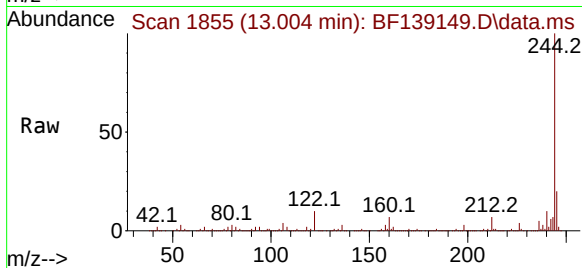
Tgt Ion:184 Resp: 12453

Ion Ratio Lower Upper

184 100

185 16.9 11.5 17.3

183 6.6 9.8 14.6#



#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

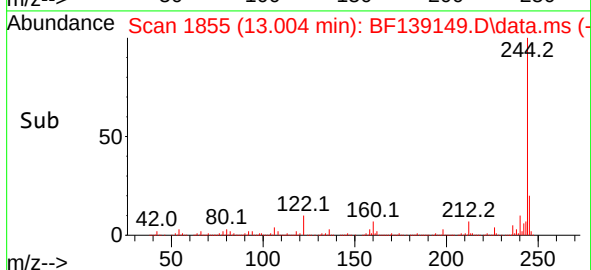
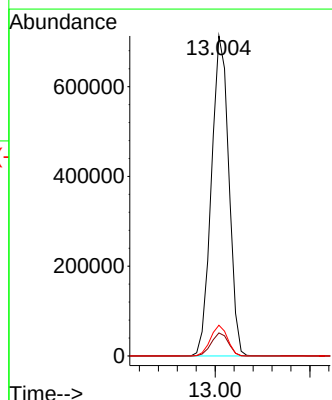
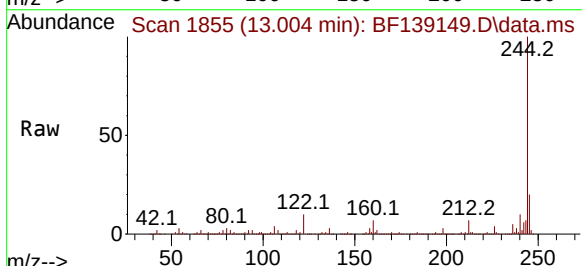
Tgt Ion:244 Resp: 907789

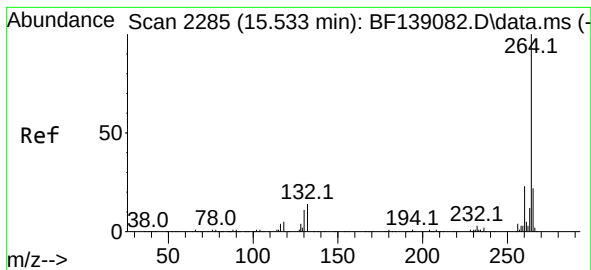
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.000 min

Lab File: BF139149.D

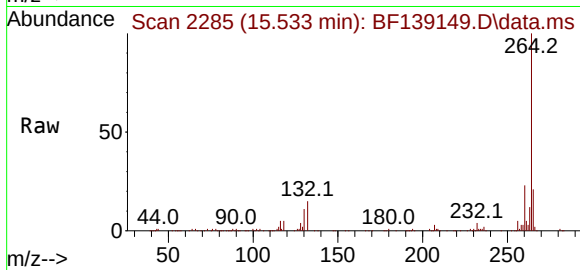
Acq: 23 Aug 2024 16:12

Instrument :

BNA_F

ClientSampleId :

LNG-Soil Pile



Tgt Ion:264 Resp: 156512

Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 20.9 17.4 26.2

