

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082324\
 Data File : BF139145.D
 Acq On : 23 Aug 2024 14:13
 Operator : RC/JU
 Sample : P3685-02
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Stock Pile-1

Quant Time: Aug 23 14:49:00 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)

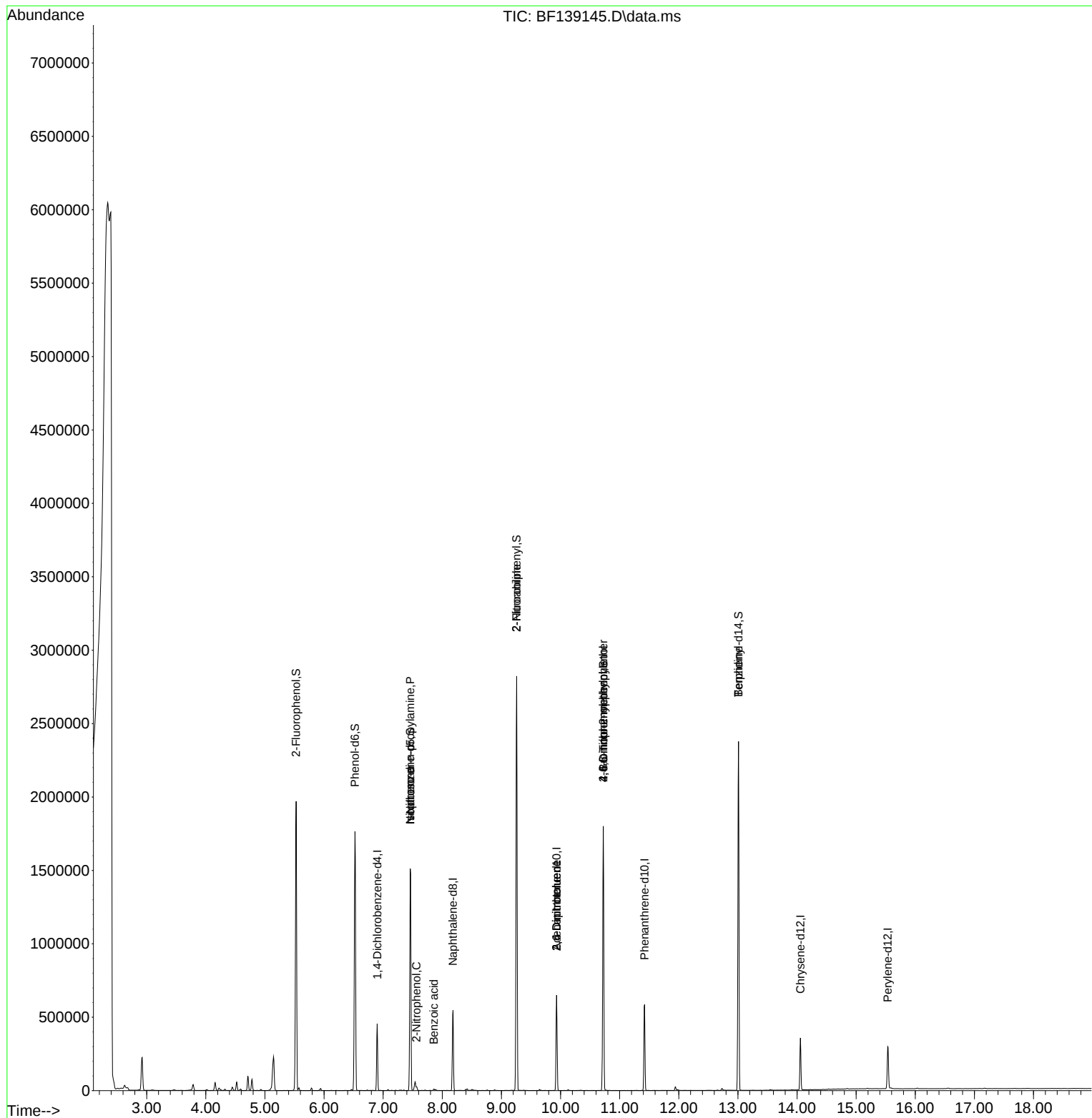
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	85731	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	319127	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	185999	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	305494	20.000	ng	0.00
76) Chrysene-d12	14.057	240	161232	20.000	ng	0.00
86) Perylene-d12	15.533	264	172575	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	695464	124.807	ng	0.02
7) Phenol-d6	6.522	99	804892	111.788	ng	0.00
23) Nitrobenzene-d5	7.457	82	715488	130.642	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	285380	169.483	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1200485	102.404	ng	0.00
79) Terphenyl-d14	13.010	244	1137601	117.074	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	99275	20.996	ng	# 80
25) Isophorone	7.457	82	714319	61.365	ng	# 69
26) 2-Nitrophenol	7.563	139	125	5.645	ng	# 25
32) Benzoic acid	7.857	122	2469	9.011	ng	# 96
48) 2-Nitroaniline	9.257	65	2251	6.326	ng	# 1
51) 2,6-Dinitrotoluene	9.934	165	23845	13.896	ng	# 17
57) 2,4-Dinitrotoluene	9.934	165	23845	12.849	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.722	198	668	7.126	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	19524	6.031	ng	# 1
77) Benzidine	13.010	184	15060	4.522	ng	# 90

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

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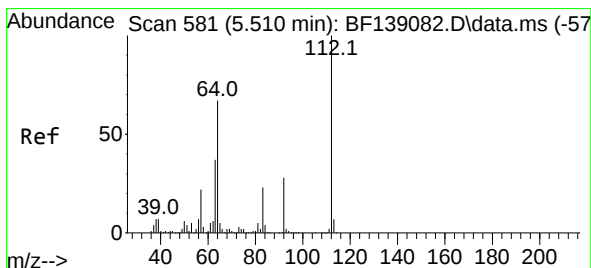
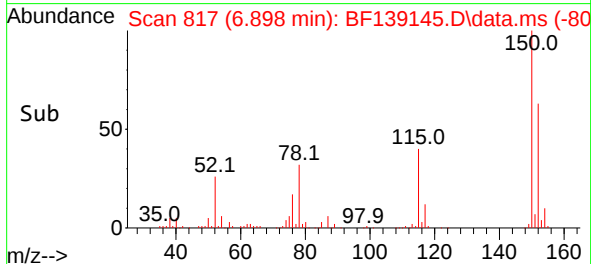
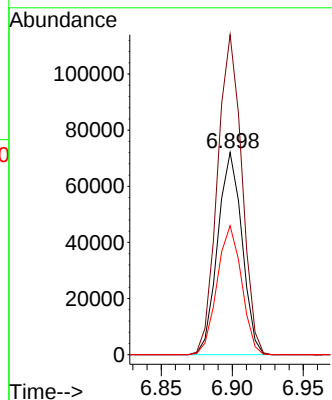
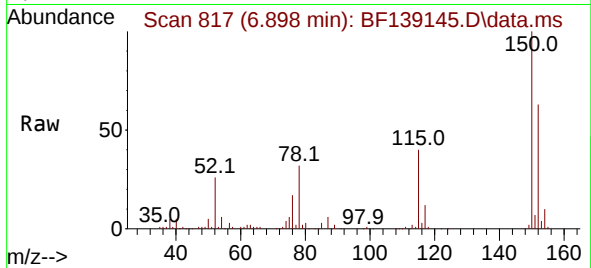




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.001 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

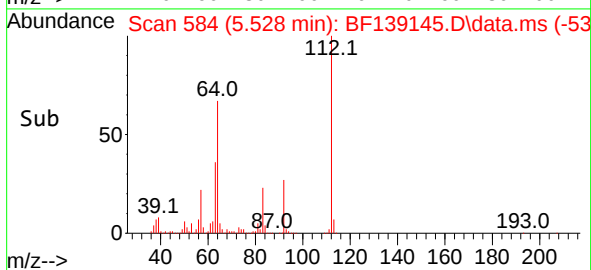
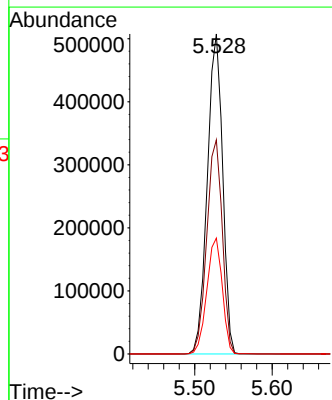
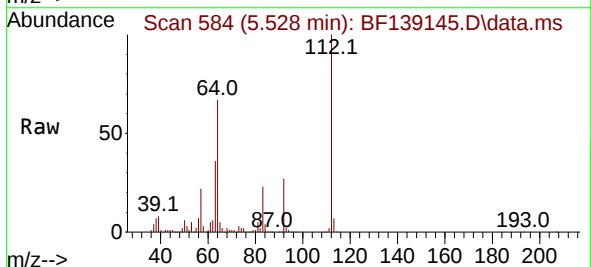
Instrument :
BNA_F
ClientSampleId :
Stock Pile-1

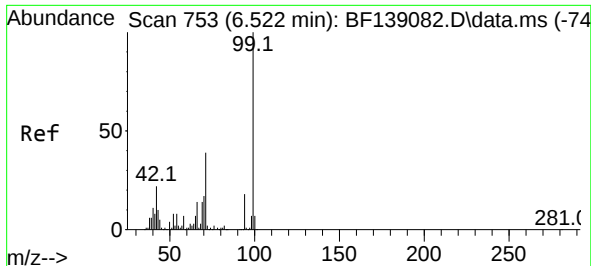
Tgt Ion:152 Resp: 85731
Ion Ratio Lower Upper
152 100
150 158.2 125.1 187.7
115 63.7 51.8 77.6



#5
2-Fluorophenol
Concen: 124.807 ng
RT: 5.528 min Scan# 584
Delta R.T. 0.018 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

Tgt Ion:112 Resp: 695464
Ion Ratio Lower Upper
112 100
64 66.9 53.8 80.6
63 36.2 29.4 44.2

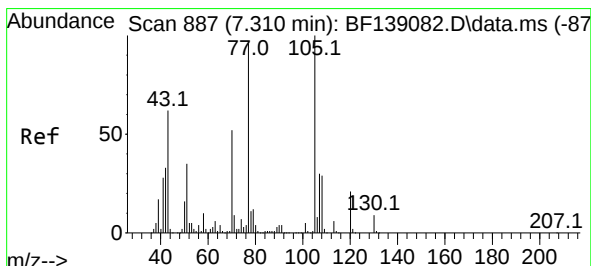
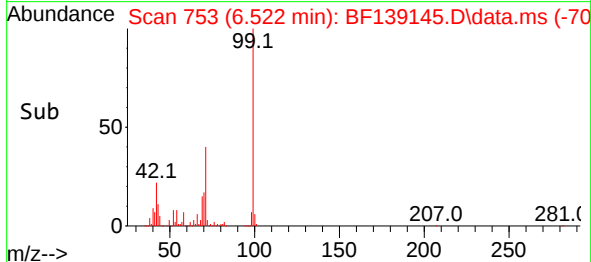
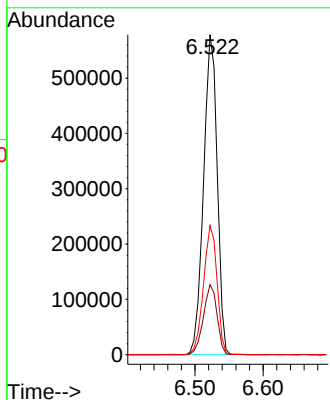
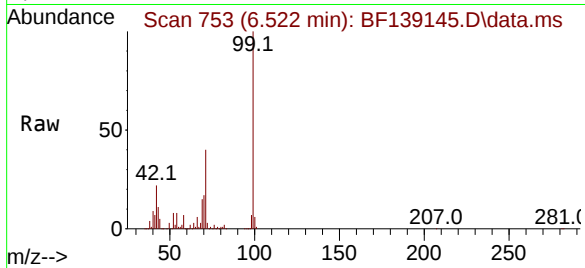




#7
Phenol-d6
Concen: 111.788 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

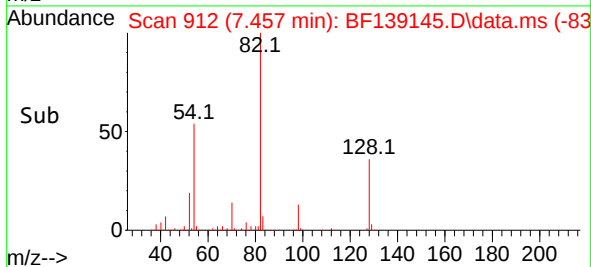
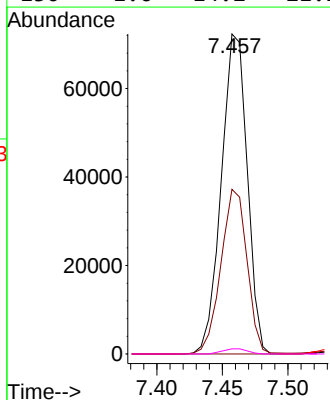
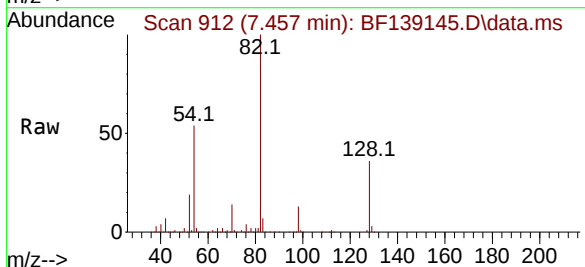
Instrument :
BNA_F
ClientSampleId :
Stock Pile-1

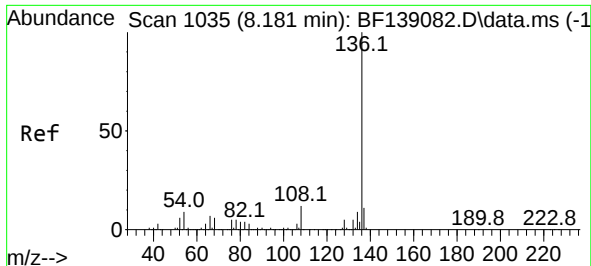
Tgt Ion: 99 Resp: 804892
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.2
71 40.4 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.996 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

Tgt Ion: 70 Resp: 99275
Ion Ratio Lower Upper
70 100
42 51.5 50.5 75.7
101 0.0 7.2 10.8#
130 1.6 14.2 21.2#

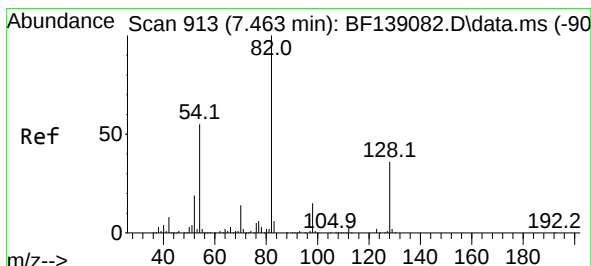
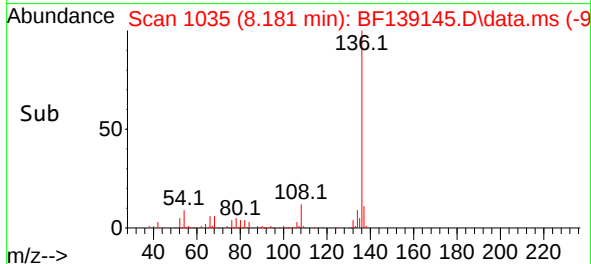
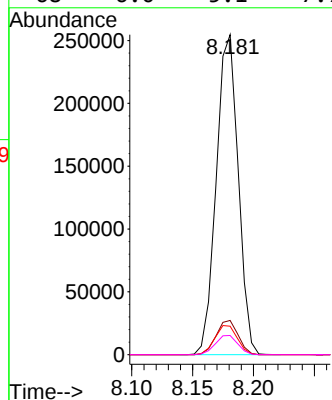
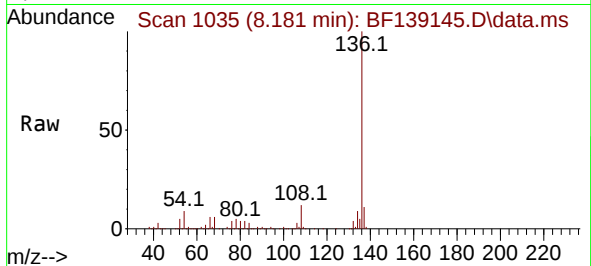




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

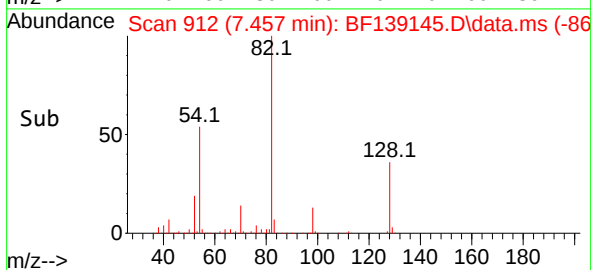
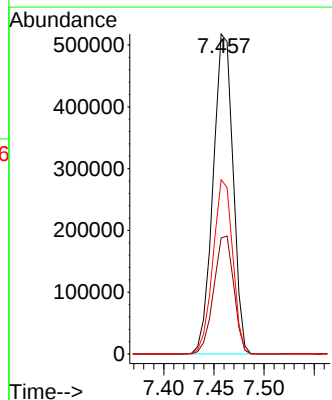
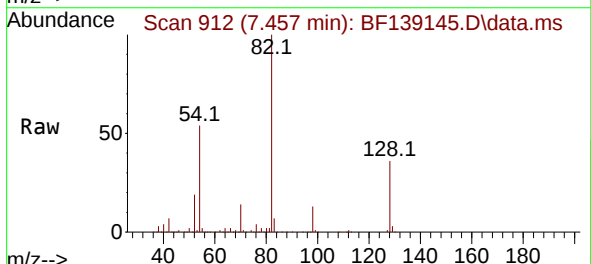
Instrument :
BNA_F
ClientSampleId :
Stock Pile-1

Tgt Ion:	136	Resp:	319127
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	8.9	7.6	11.4
68	6.0	5.1	7.7



#23
Nitrobenzene-d5
Concen: 130.642 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

Tgt Ion:	82	Resp:	715488
Ion	Ratio	Lower	Upper
82	100		
128	36.3	29.0	43.4
54	54.5	43.4	65.2

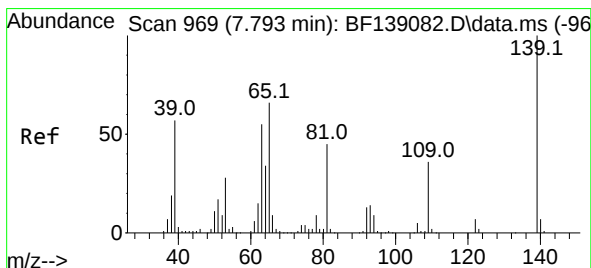
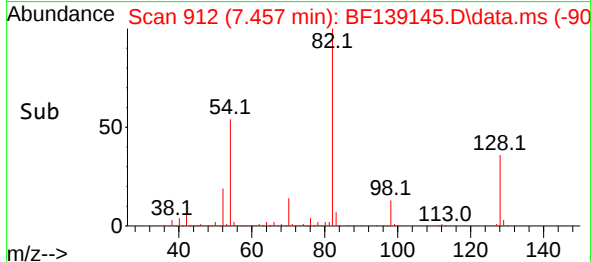
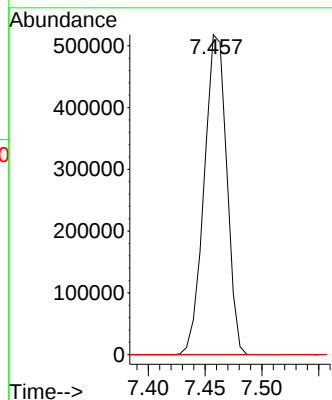
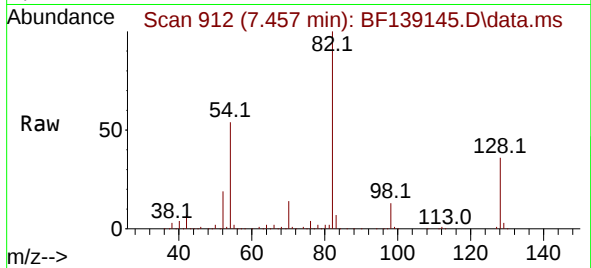




#25
Isophorone
Concen: 61.365 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

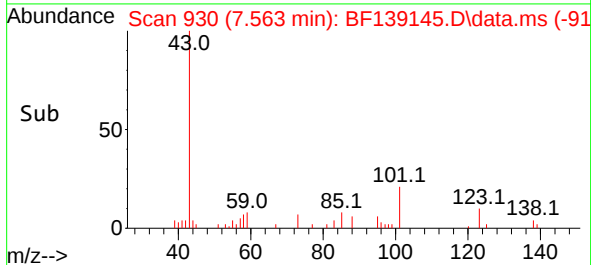
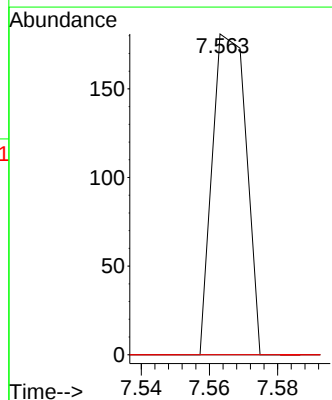
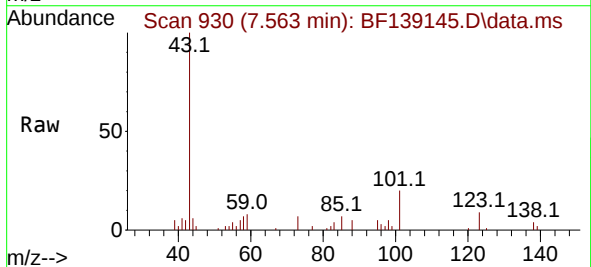
Instrument :
BNA_F
ClientSampleId :
Stock Pile-1

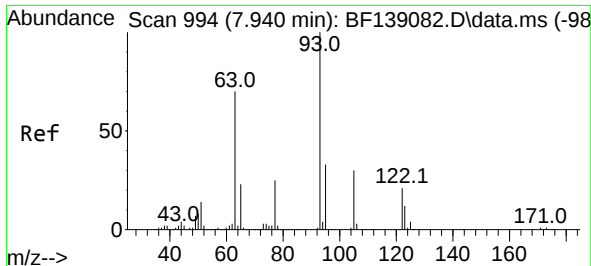
Tgt Ion: 82 Resp: 714319
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#26
2-Nitrophenol
Concen: 5.645 ng
RT: 7.563 min Scan# 930
Delta R.T. -0.230 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

Tgt Ion:139 Resp: 125
Ion Ratio Lower Upper
139 100
109 0.0 29.2 43.8#
65 0.0 52.7 79.1#

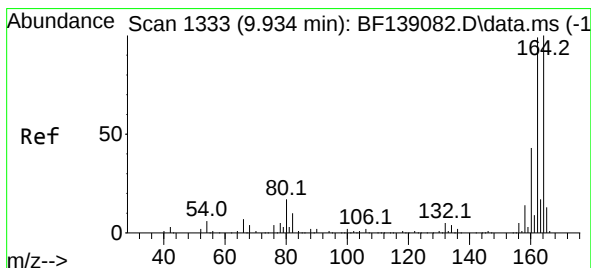
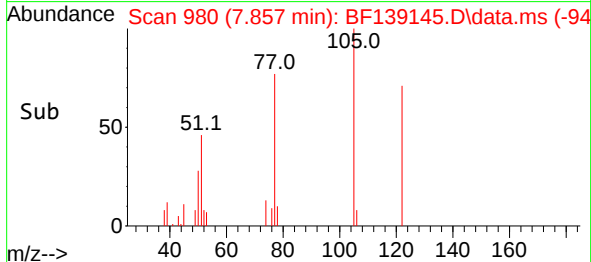
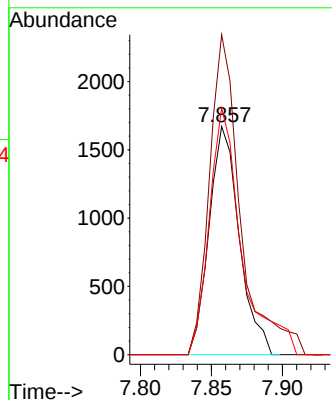
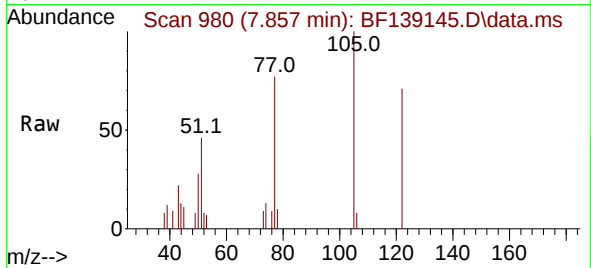




#32
Benzoic acid
Concen: 9.011 ng
RT: 7.857 min Scan# 91
Delta R.T. -0.083 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

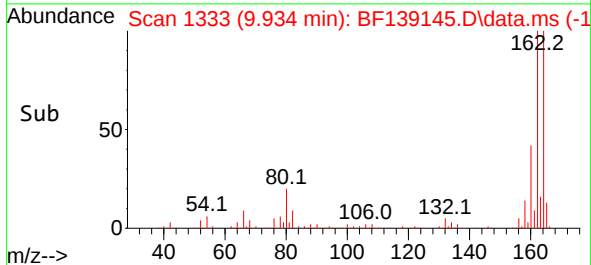
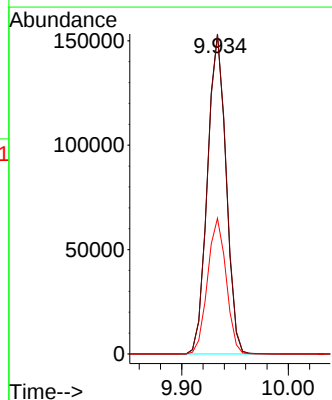
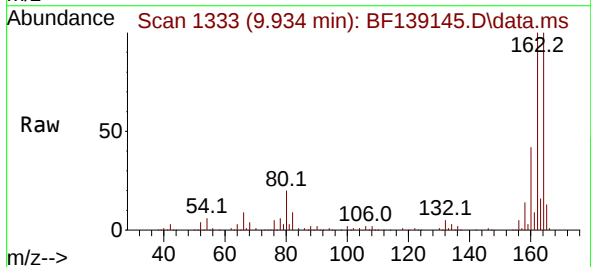
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BNA_F
ClientSampleId :
Stock Pile-1

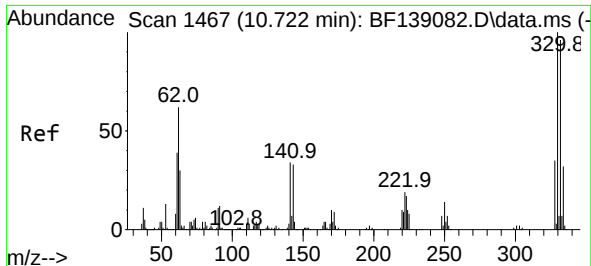
Tgt Ion:122 Resp: 2469
Ion Ratio Lower Upper
122 100
105 140.2 119.6 159.6
77 108.1 97.6 137.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

Tgt Ion:164 Resp: 185999
Ion Ratio Lower Upper
164 100
162 100.0 79.5 119.3
160 42.4 34.5 51.7

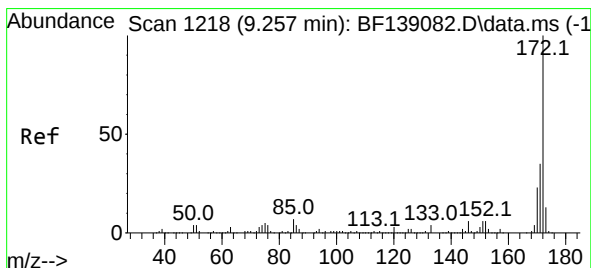
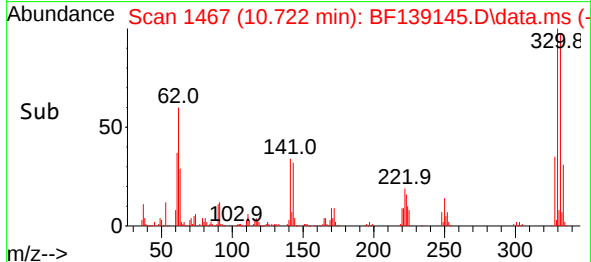
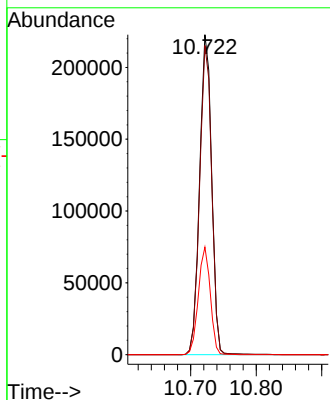
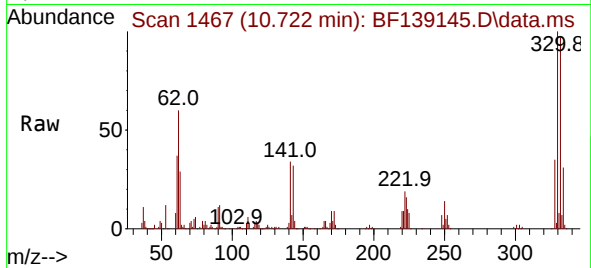




#42
2,4,6-Tribromophenol
Concen: 169.483 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

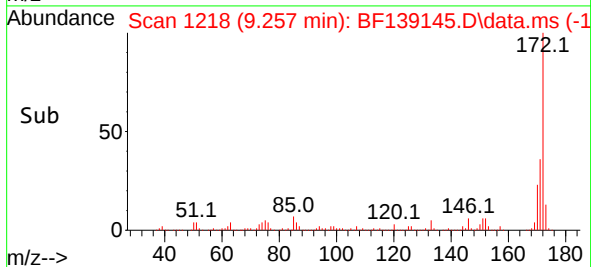
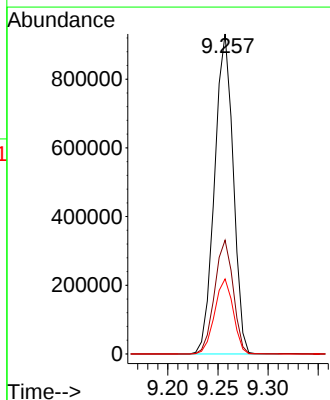
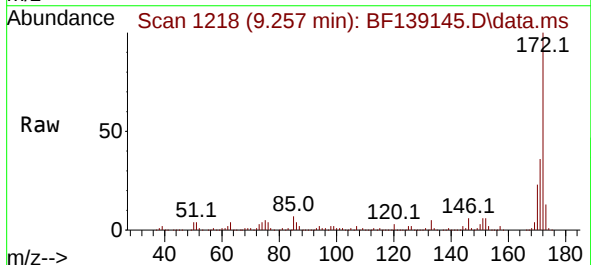
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ClientSampleId :
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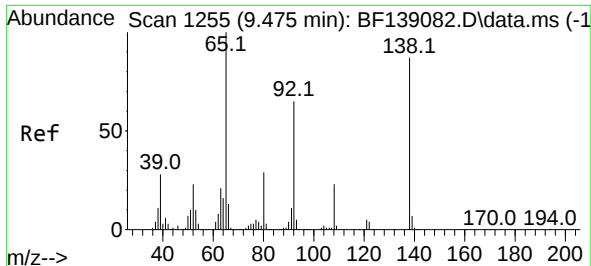
Tgt Ion: 330 Resp: 285380
Ion Ratio Lower Upper
330 100
332 97.0 77.0 115.6
141 33.4 27.5 41.3



#45
2-Fluorobiphenyl
Concen: 102.404 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.000 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

Tgt Ion: 172 Resp: 1200485
Ion Ratio Lower Upper
172 100
171 35.6 28.4 42.6
170 23.4 18.8 28.2

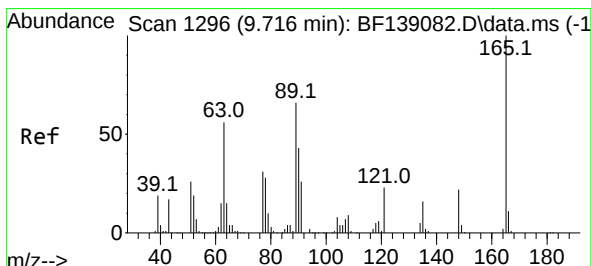
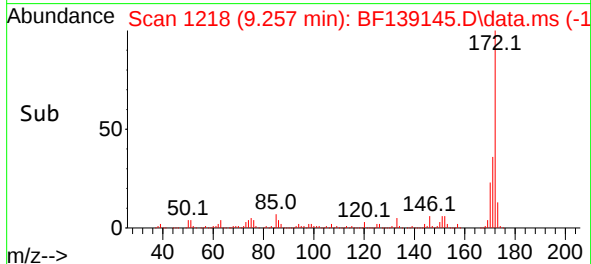
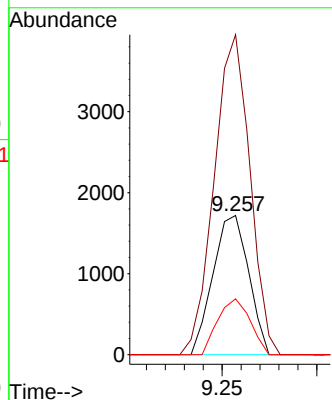
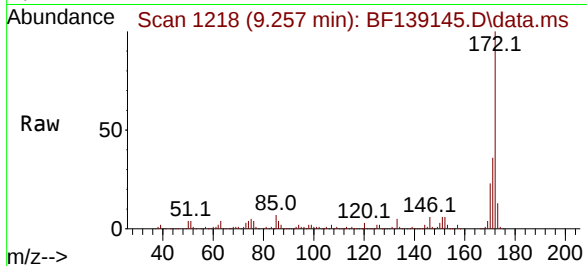




#48
2-Nitroaniline
Concen: 6.326 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.218 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

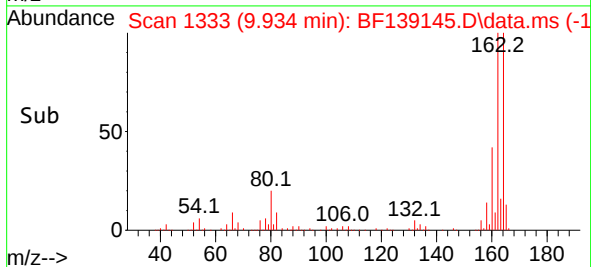
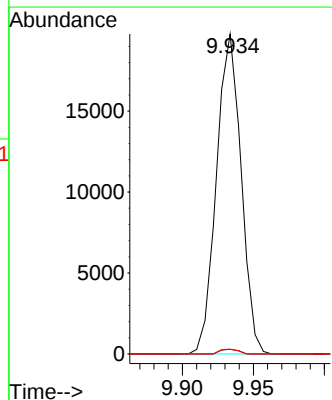
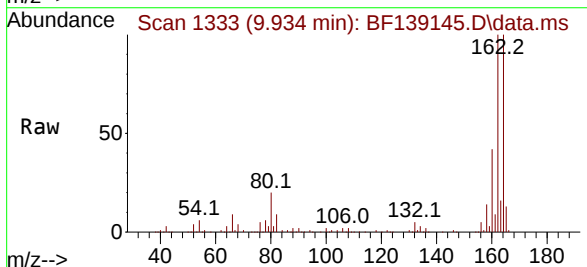
Instrument :
BNA_F
ClientSampleId :
Stock Pile-1

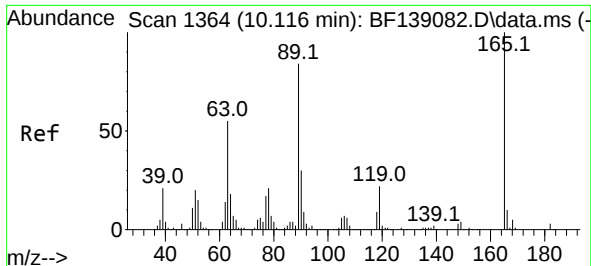
Tgt Ion: 65 Resp: 2251
Ion Ratio Lower Upper
65 100
92 230.0 52.4 78.6#
138 40.2 69.4 104.0#



#51
2,6-Dinitrotoluene
Concen: 13.896 ng
RT: 9.934 min Scan# 1333
Delta R.T. 0.218 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

Tgt Ion: 165 Resp: 23845
Ion Ratio Lower Upper
165 100
63 1.4 58.0 87.0#
89 1.5 53.3 79.9#

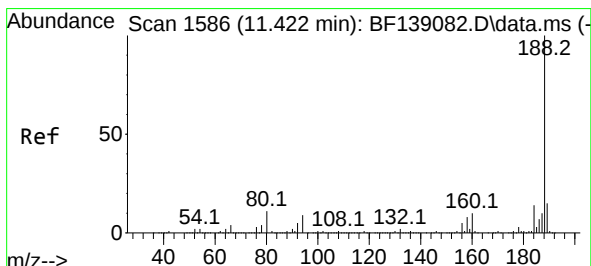
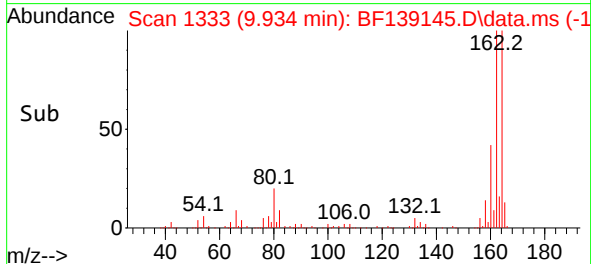
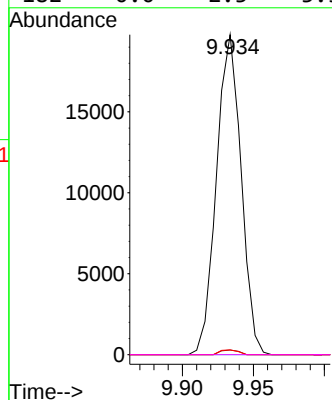
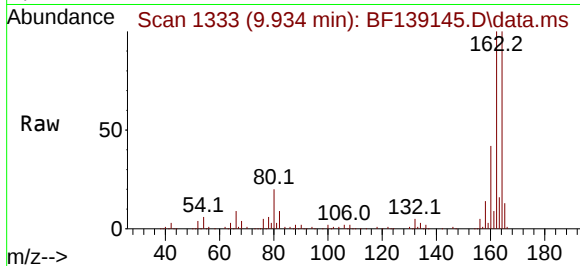




#57
2,4-Dinitrotoluene
Concen: 12.849 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.182 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

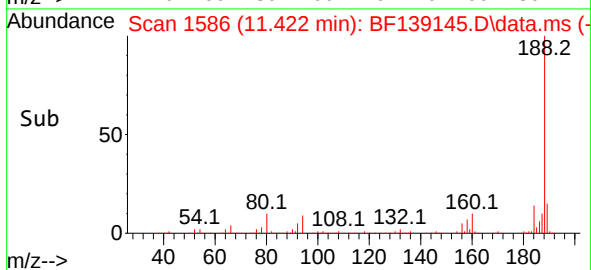
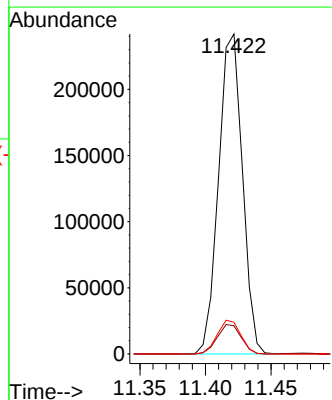
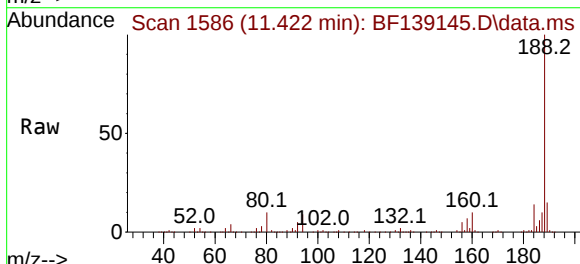
Instrument :
BNA_F
ClientSampleId :
Stock Pile-1

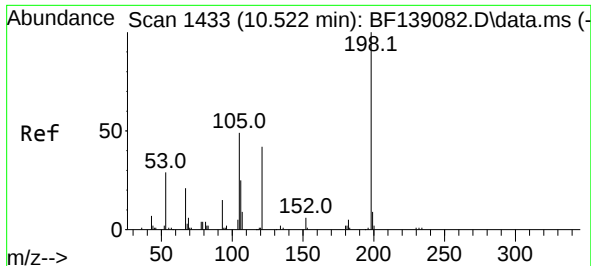
Tgt Ion:165	Resp:	23845
Ion Ratio	Lower	Upper
165	100	
63	1.4	44.2 66.4#
89	1.5	67.4 101.2#
182	0.0	2.3 3.5#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF139145.D
Acq: 23 Aug 2024 14:13

Tgt Ion:188	Resp:	305494
Ion Ratio	Lower	Upper
188	100	
94	8.8	7.2 10.8
80	9.9	8.5 12.7





#65

4,6-Dinitro-2-methylphenol

Concen: 7.126 ng

RT: 10.722 min Scan# 1467

Delta R.T. 0.200 min

Lab File: BF139145.D

Acq: 23 Aug 2024 14:13

Instrument :

BNA_F

ClientSampleId :

Stock Pile-1

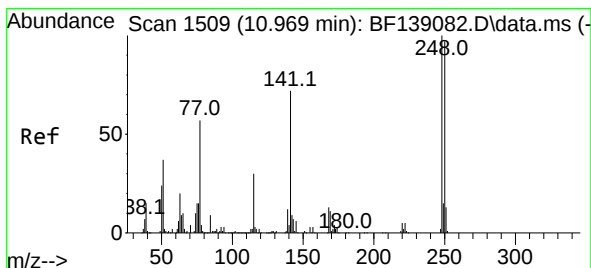
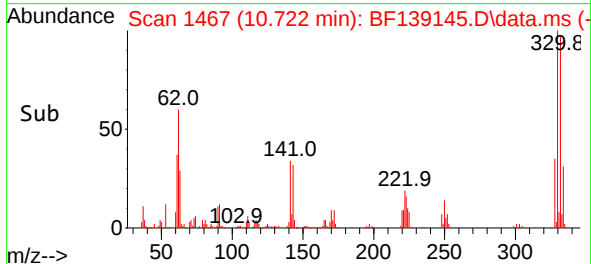
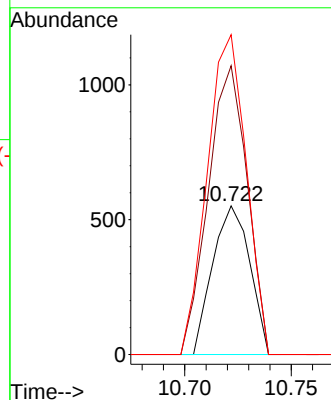
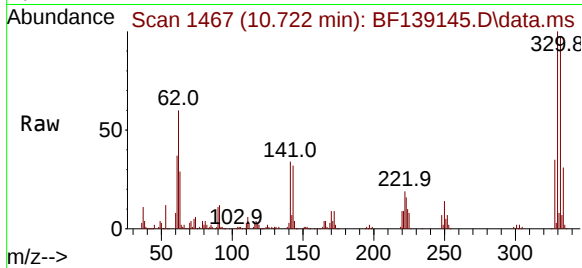
Tgt Ion:198 Resp: 668

Ion Ratio Lower Upper

198 100

51 194.4 40.8 80.8#

105 215.2 30.9 70.9#



#67

4-Bromophenyl-phenylether

Concen: 6.031 ng

RT: 10.722 min Scan# 1467

Delta R.T. -0.247 min

Lab File: BF139145.D

Acq: 23 Aug 2024 14:13

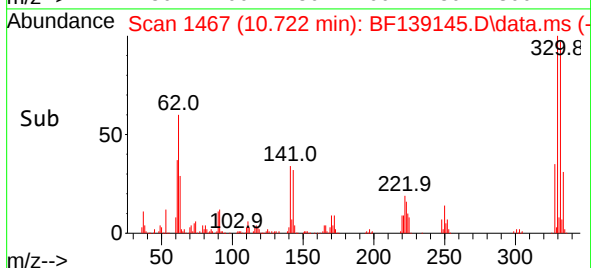
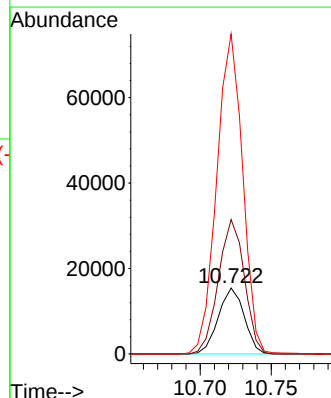
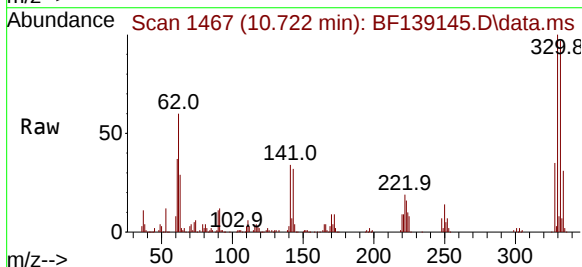
Tgt Ion:248 Resp: 19524

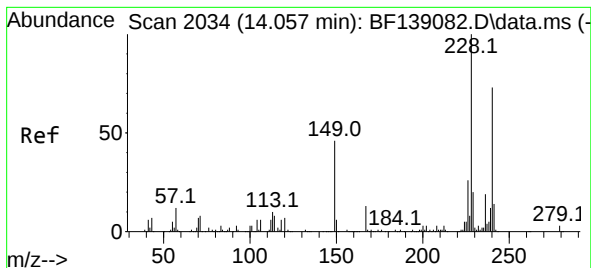
Ion Ratio Lower Upper

248 100

250 204.2 77.8 116.8#

141 485.9 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: BF139145.D

Acq: 23 Aug 2024 14:13

Instrument :

BNA_F

ClientSampleId :

Stock Pile-1

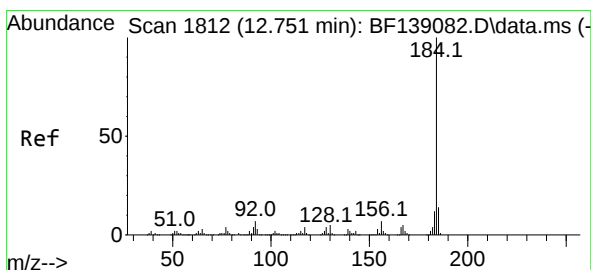
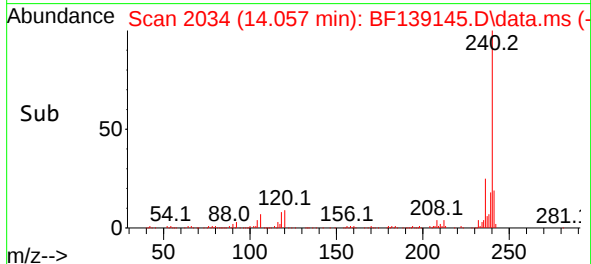
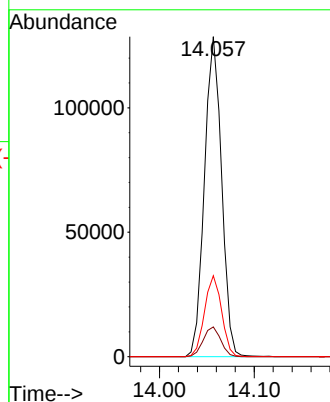
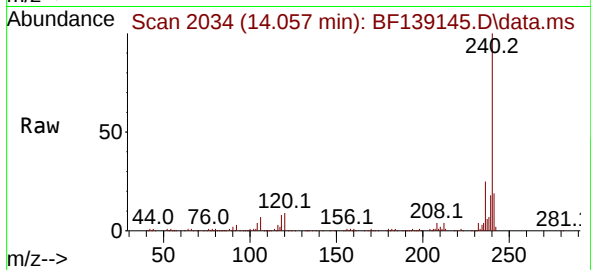
Tgt Ion:240 Resp: 161232

Ion Ratio Lower Upper

240 100

120 9.3 7.8 11.6

236 25.3 20.9 31.3



#77

Benzidine

Concen: 4.522 ng

RT: 13.010 min Scan# 1856

Delta R.T. 0.259 min

Lab File: BF139145.D

Acq: 23 Aug 2024 14:13

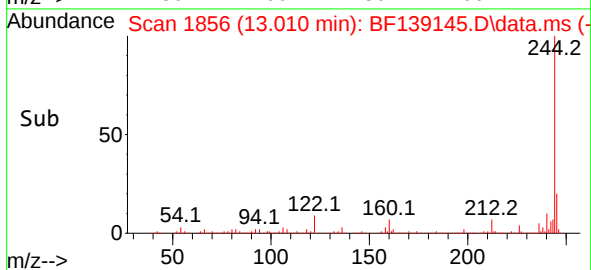
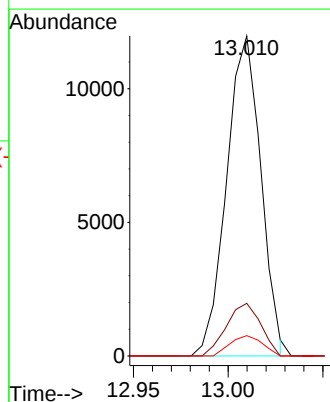
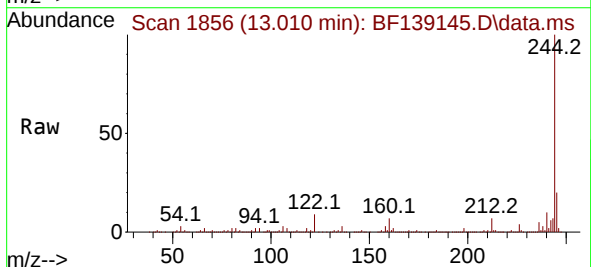
Tgt Ion:184 Resp: 15060

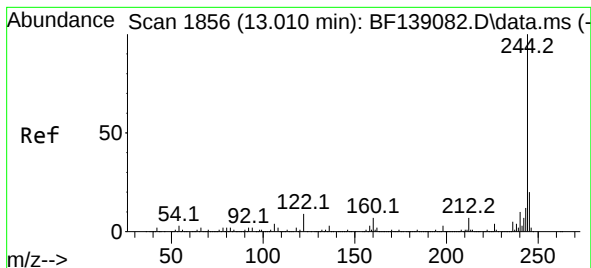
Ion Ratio Lower Upper

184 100

185 16.5 11.5 17.3

183 6.4 9.8 14.6#





#79

Terphenyl-d14

Concen: 117.074 ng

RT: 13.010 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139145.D

Acq: 23 Aug 2024 14:13

Instrument :

BNA_F

ClientSampleId :

Stock Pile-1

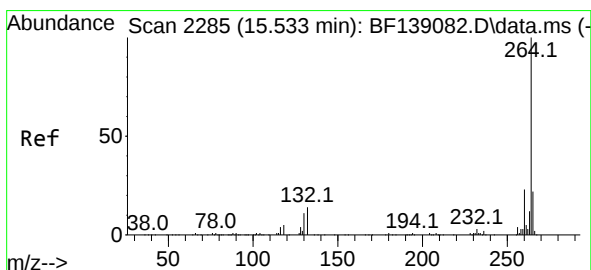
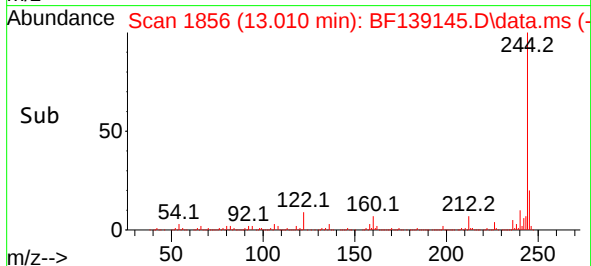
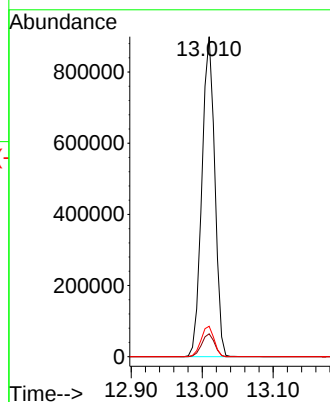
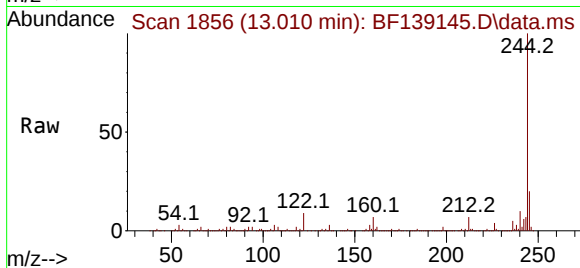
Tgt Ion:244 Resp: 1137601

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.6

122 9.5 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: BF139145.D

Acq: 23 Aug 2024 14:13

Tgt Ion:264 Resp: 172575

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

265 21.3 17.4 26.2

