

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082324\
 Data File : BF139146.D
 Acq On : 23 Aug 2024 14:43
 Operator : RC/JU
 Sample : P3685-04
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 Stock Pile-2

Quant Time: Aug 23 15:21:29 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)

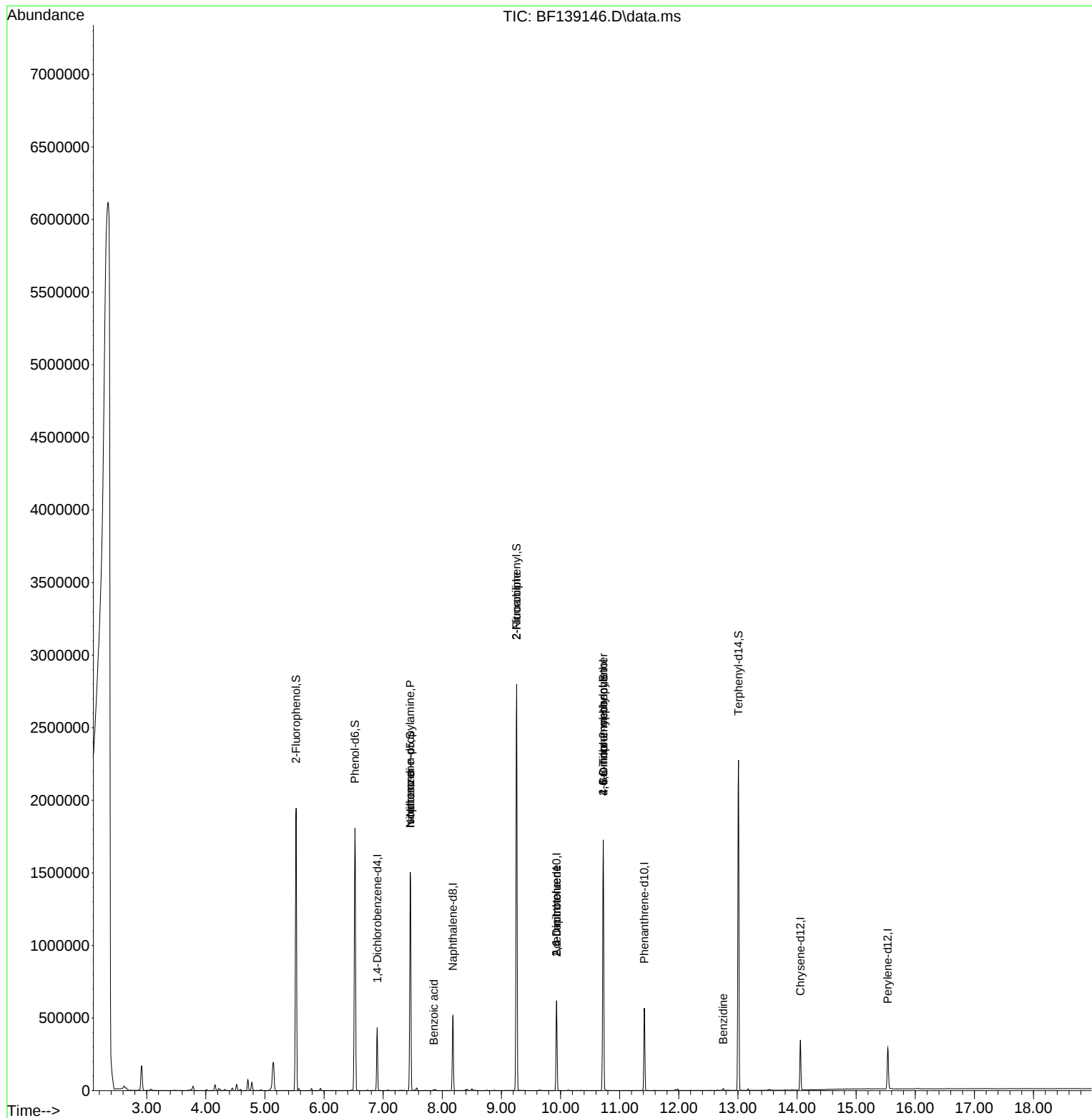
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	81969	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	306862	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	175208	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	294030	20.000	ng	0.00
76) Chrysene-d12	14.057	240	157458	20.000	ng	0.00
86) Perylene-d12	15.533	264	167437	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	700517	131.484	ng	0.02
7) Phenol-d6	6.522	99	828740	120.383	ng	0.00
23) Nitrobenzene-d5	7.457	82	705032	133.878	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	275424	173.645	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	1188333	107.610	ng	0.00
79) Terphenyl-d14	13.010	244	1103239	116.259	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.457	70	98658	21.823	ng	# 78
25) Isophorone	7.457	82	704548	62.944	ng	# 69
32) Benzoic acid	7.857	122	1949	8.892	ng	92
48) 2-Nitroaniline	9.257	65	2199	6.351	ng	# 1
51) 2,6-Dinitrotoluene	9.934	165	22413	13.875	ng	# 17
57) 2,4-Dinitrotoluene	9.934	165	22413	12.833	ng	# 17
65) 4,6-Dinitro-2-methylph...	10.722	198	611	7.094	ng	# 1
67) 4-Bromophenyl-phenylether	10.722	248	19006	6.100	ng	# 1
77) Benzidine	12.751	184	8225	2.529	ng	97

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

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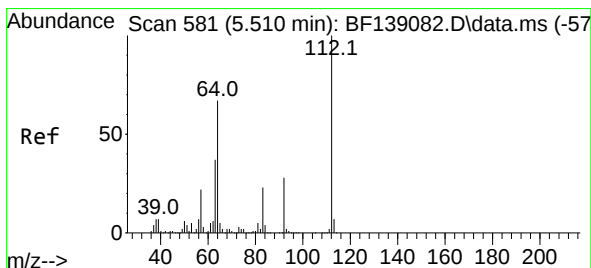
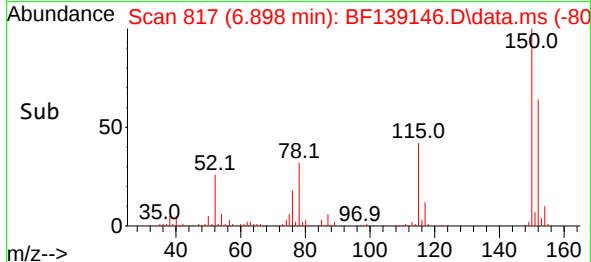
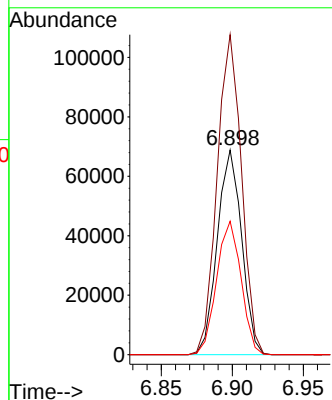
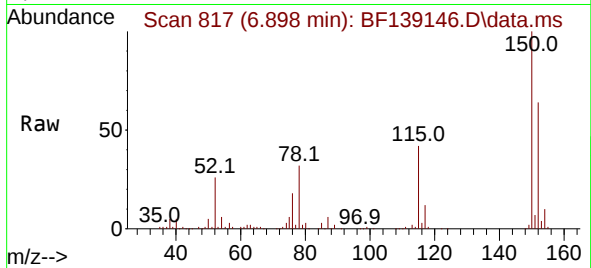




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 81
Delta R.T. -0.001 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

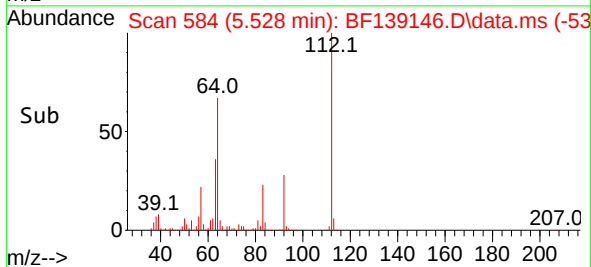
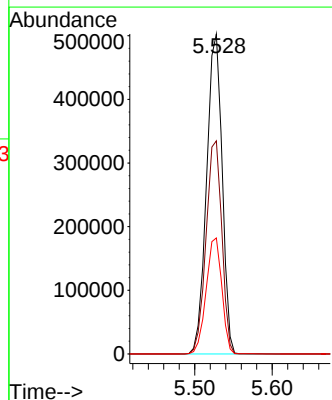
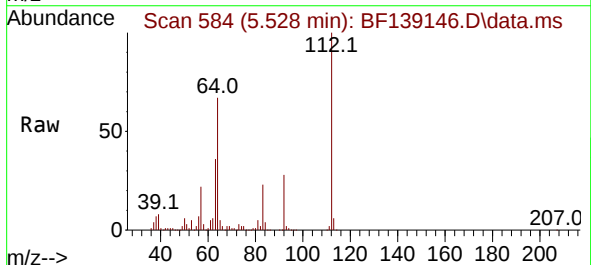
Instrument :
BNA_F
ClientSampleId :
Stock Pile-2

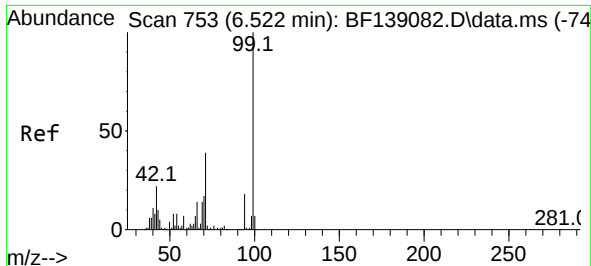
Tgt Ion:152 Resp: 81969
Ion Ratio Lower Upper
152 100
150 156.4 125.1 187.7
115 65.2 51.8 77.6



#5
2-Fluorophenol
Concen: 131.484 ng
RT: 5.528 min Scan# 584
Delta R.T. 0.018 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

Tgt Ion:112 Resp: 700517
Ion Ratio Lower Upper
112 100
64 66.6 53.8 80.6
63 36.3 29.4 44.2

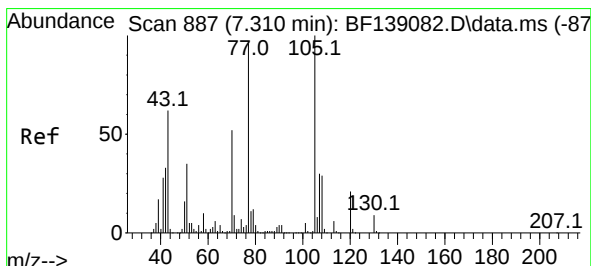
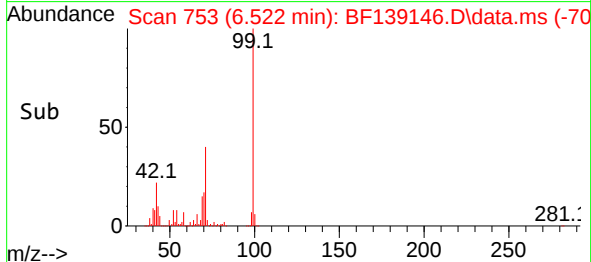
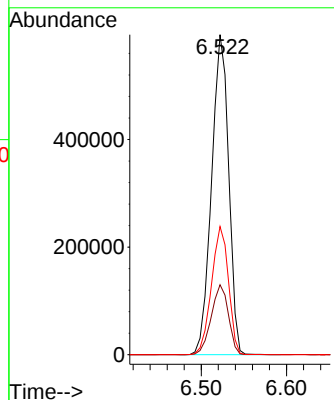
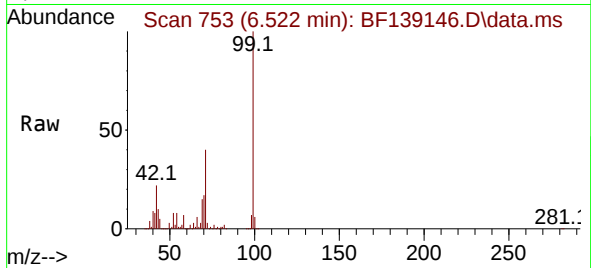




#7
Phenol-d6
Concen: 120.383 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

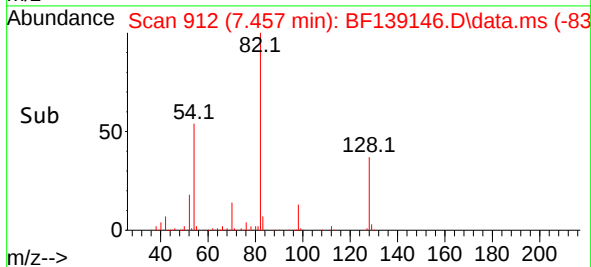
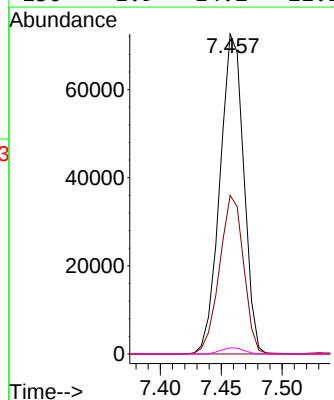
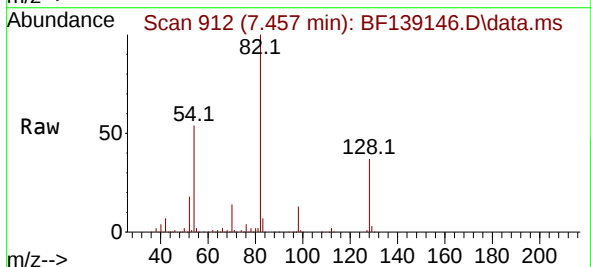
Instrument :
BNA_F
ClientSampleId :
Stock Pile-2

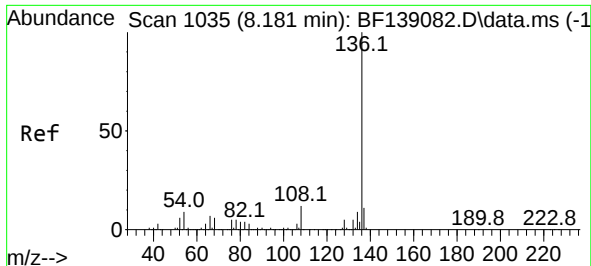
Tgt Ion: 99 Resp: 828740
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.2
71 40.0 31.2 46.8



#19
n-Nitroso-di-n-propylamine
Concen: 21.823 ng
RT: 7.457 min Scan# 912
Delta R.T. 0.147 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

Tgt Ion: 70 Resp: 98658
Ion Ratio Lower Upper
70 100
42 49.5 50.5 75.7#
101 0.0 7.2 10.8#
130 1.9 14.2 21.2#

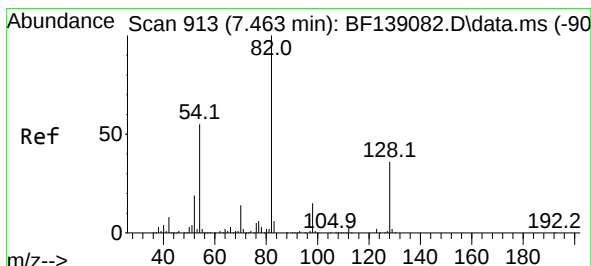
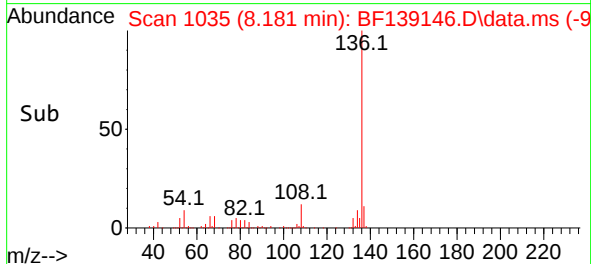
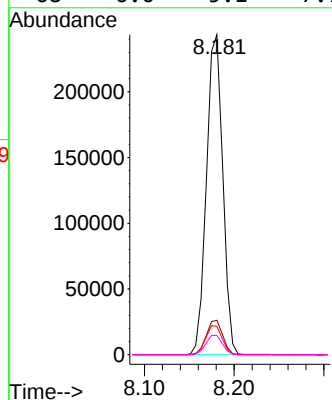
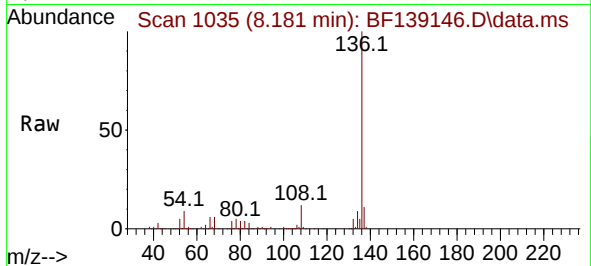




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

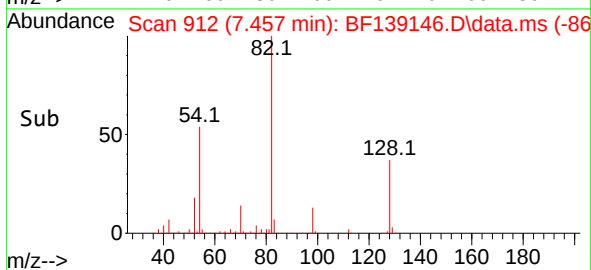
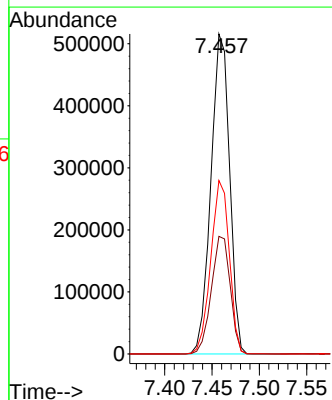
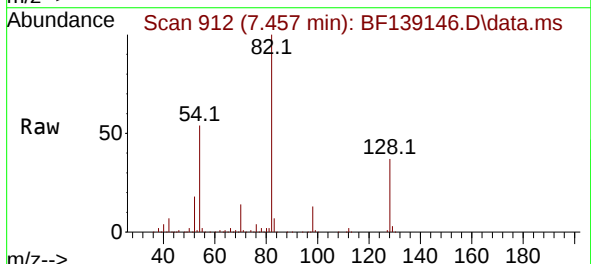
Instrument :
BNA_F
ClientSampleId :
Stock Pile-2

Tgt Ion:	136	Resp:	306862
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: 133.878 ng
RT: 7.457 min Scan# 912
Delta R.T. -0.006 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

Tgt Ion:	82	Resp:	705032
Ion	Ratio	Lower	Upper
82	100		
128	36.7	29.0	43.4
54	54.2	43.4	65.2

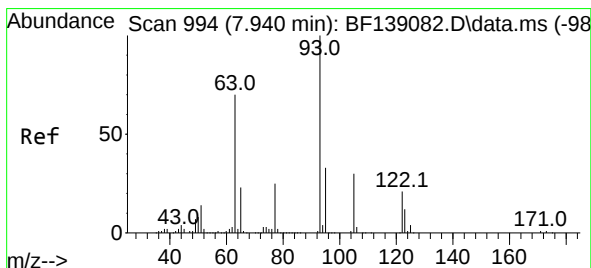
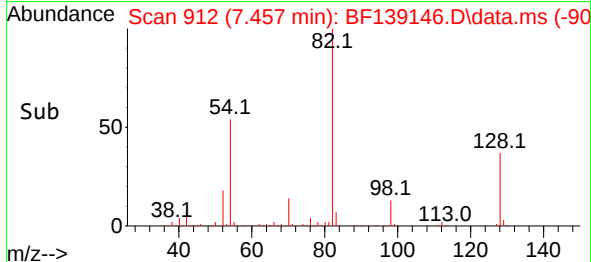
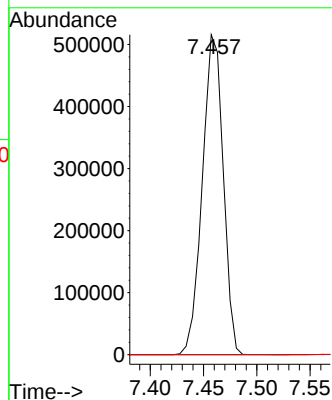
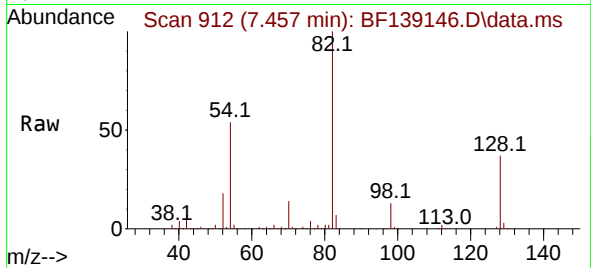




#25
Isophorone
Concen: 62.944 ng
RT: 7.457 min Scan# 91
Delta R.T. -0.259 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

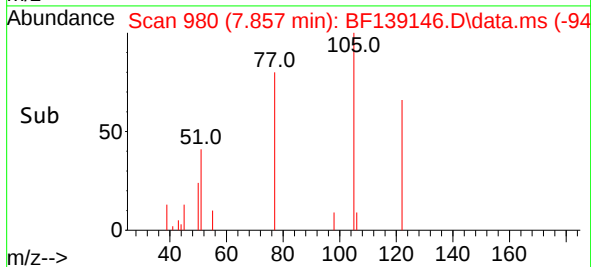
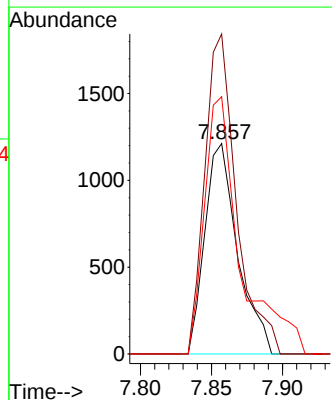
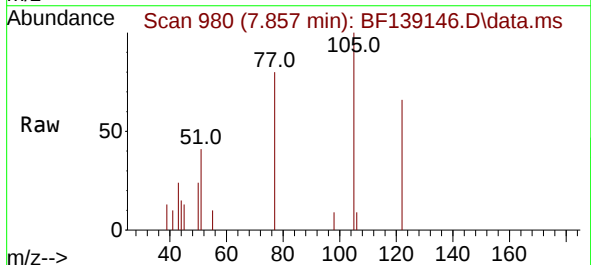
Instrument :
BNA_F
ClientSampleId :
Stock Pile-2

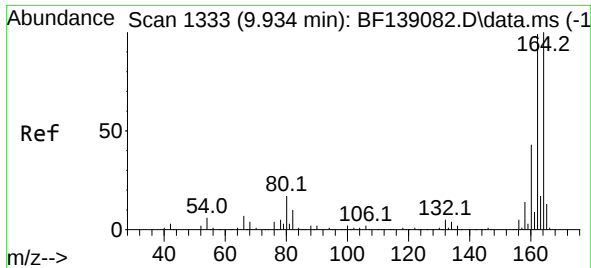
Tgt Ion: 82 Resp: 704548
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 11.8 17.8#



#32
Benzoic acid
Concen: 8.892 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.083 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

Tgt Ion:122 Resp: 1949
Ion Ratio Lower Upper
122 100
105 152.1 119.6 159.6
77 122.3 97.6 137.6

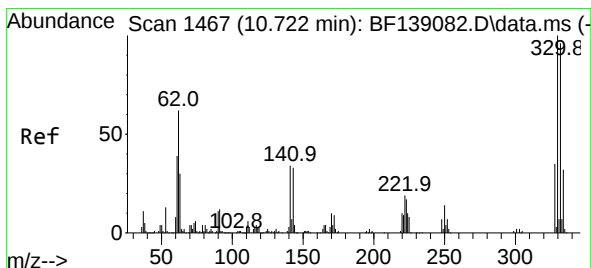
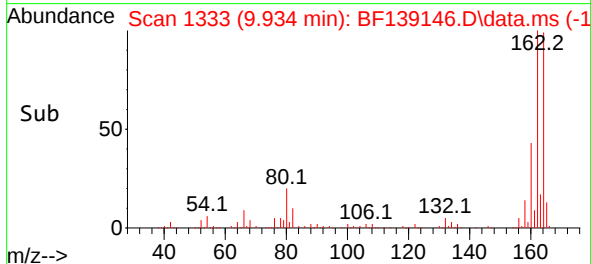
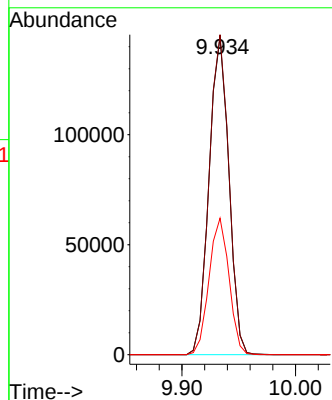
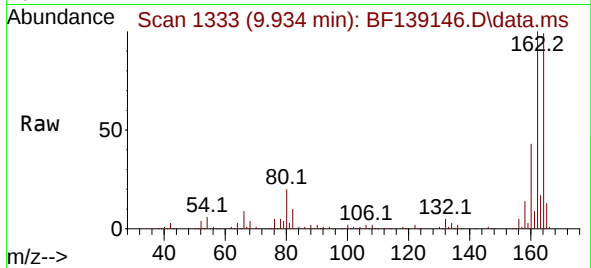




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

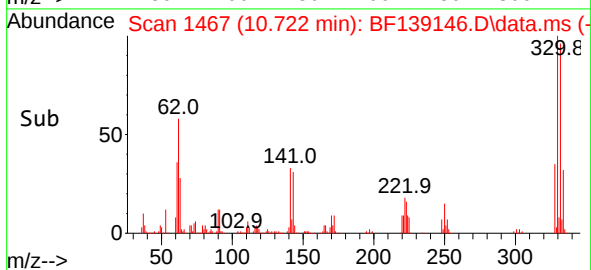
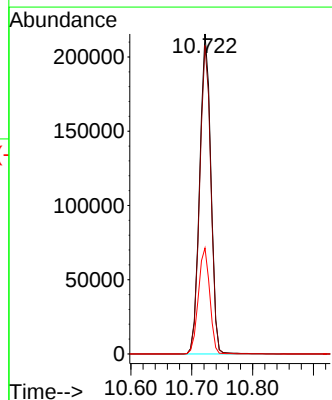
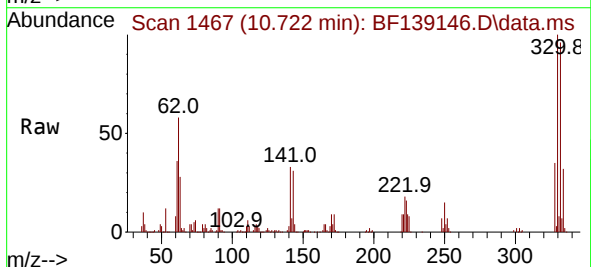
Instrument :
BNA_F
ClientSampleId :
Stock Pile-2

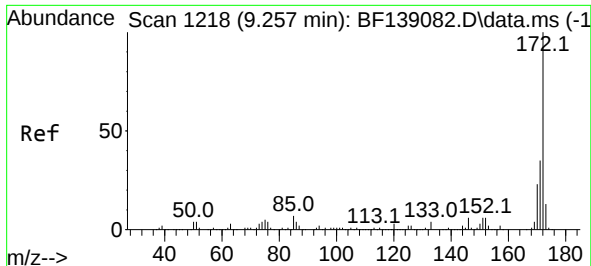
Tgt Ion:164 Resp: 175208
Ion Ratio Lower Upper
164 100
162 100.8 79.5 119.3
160 43.0 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 173.645 ng
RT: 10.722 min Scan# 1467
Delta R.T. -0.000 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

Tgt Ion:330 Resp: 275424
Ion Ratio Lower Upper
330 100
332 96.0 77.0 115.6
141 33.5 27.5 41.3

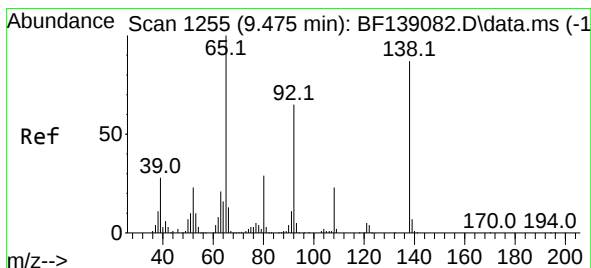
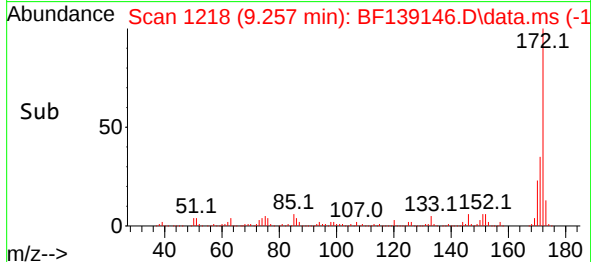
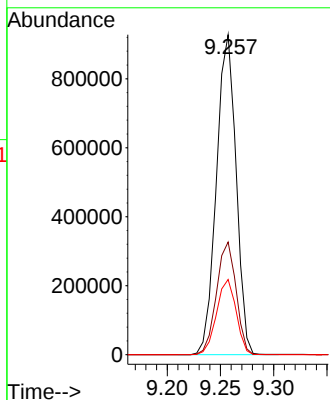
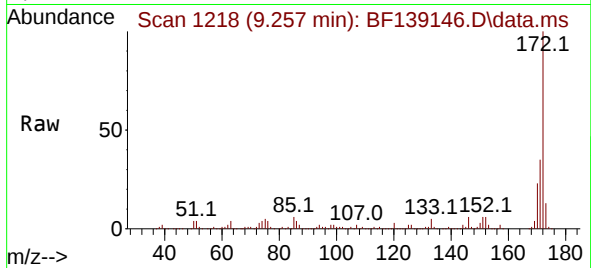




#45
2-Fluorobiphenyl
Concen: 107.610 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

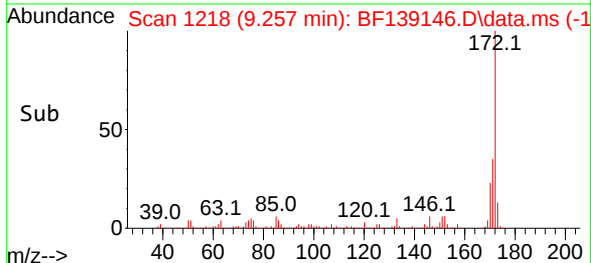
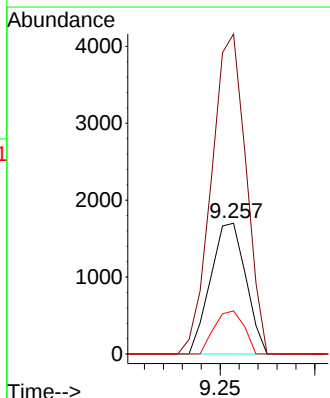
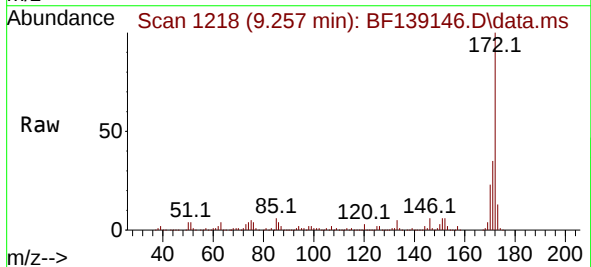
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BNA_F
ClientSampleId :
Stock Pile-2

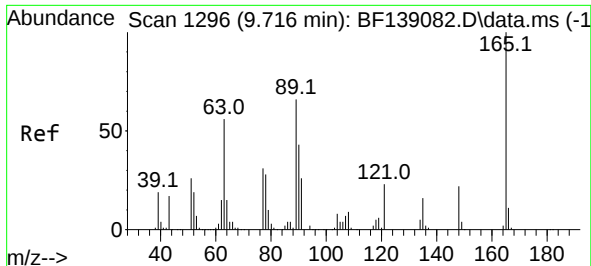
Tgt Ion:172 Resp: 1188333
Ion Ratio Lower Upper
172 100
171 35.2 28.4 42.6
170 23.5 18.8 28.2



#48
2-Nitroaniline
Concen: 6.351 ng
RT: 9.257 min Scan# 1218
Delta R.T. -0.218 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

Tgt Ion: 65 Resp: 2199
Ion Ratio Lower Upper
65 100
92 244.8 52.4 78.6#
138 32.9 69.4 104.0#





#51

2,6-Dinitrotoluene

Concen: 13.875 ng

RT: 9.934 min Scan# 11

Delta R.T. 0.218 min

Lab File: BF139146.D

Acq: 23 Aug 2024 14:43

Instrument :

BNA_F

ClientSampleId :

Stock Pile-2

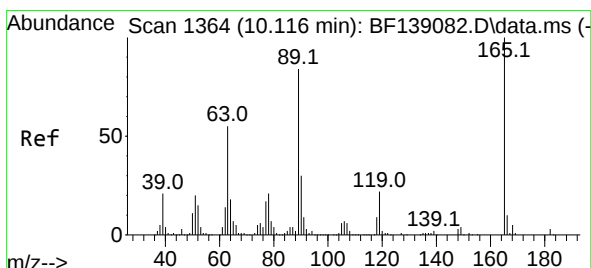
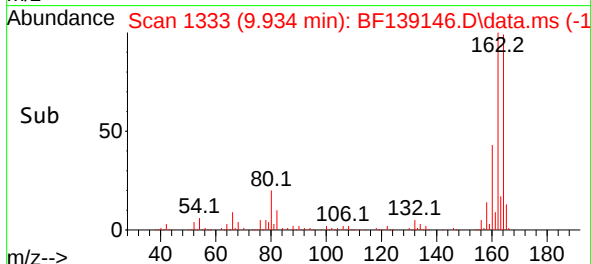
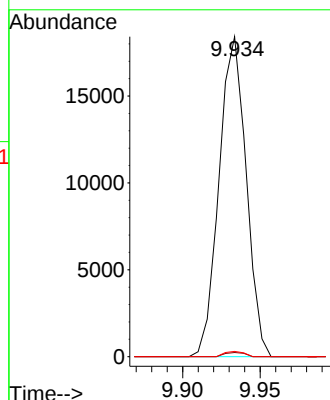
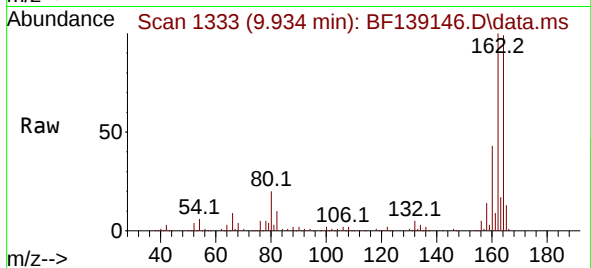
Tgt Ion:165 Resp: 22413

Ion Ratio Lower Upper

165 100

63 1.3 58.0 87.0#

89 1.7 53.3 79.9#



#57

2,4-Dinitrotoluene

Concen: 12.833 ng

RT: 9.934 min Scan# 1333

Delta R.T. -0.182 min

Lab File: BF139146.D

Acq: 23 Aug 2024 14:43

Tgt Ion:165 Resp: 22413

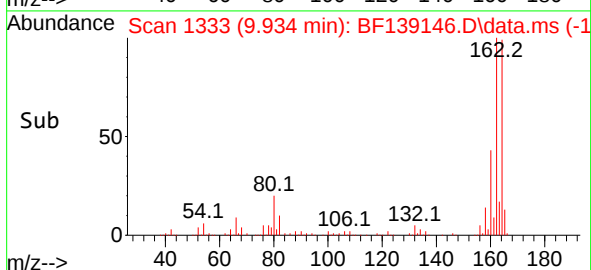
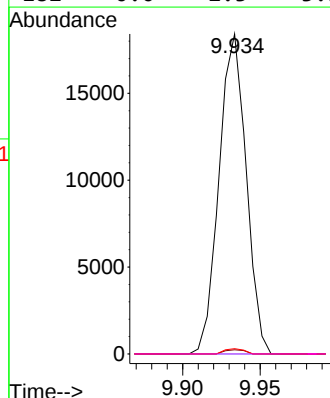
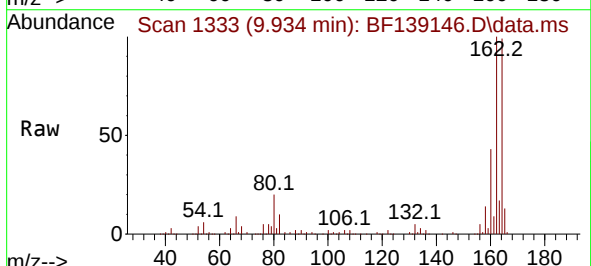
Ion Ratio Lower Upper

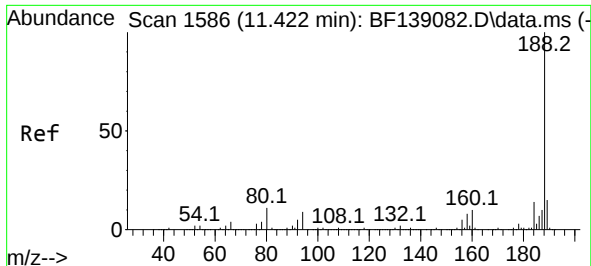
165 100

63 1.3 44.2 66.4#

89 1.7 67.4 101.2#

182 0.0 2.3 3.5#

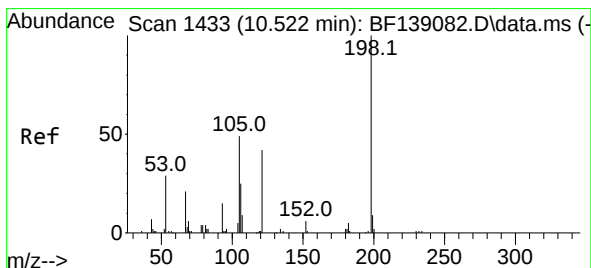
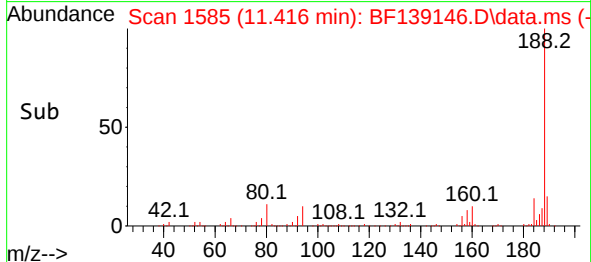
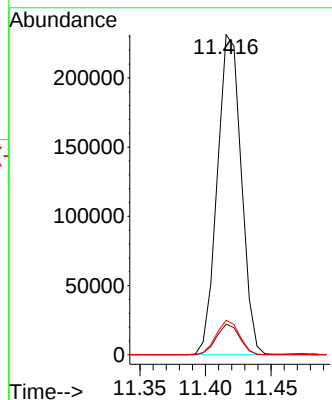
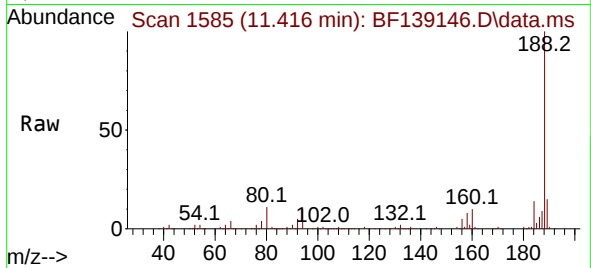




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

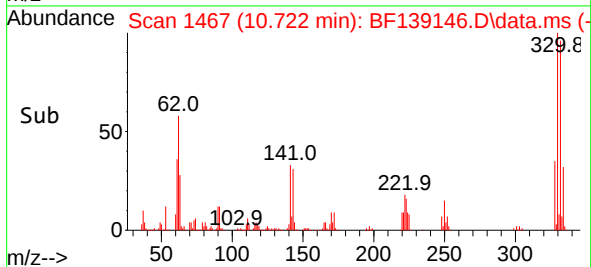
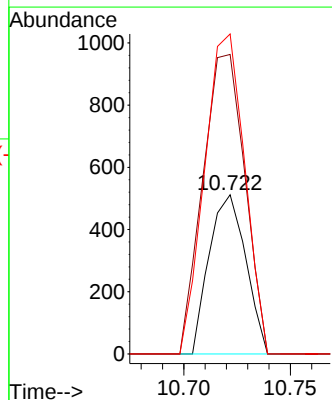
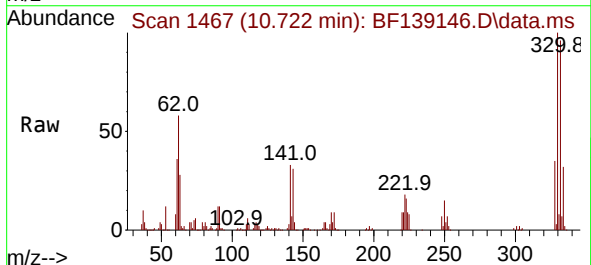
Instrument :
BNA_F
ClientSampleId :
Stock Pile-2

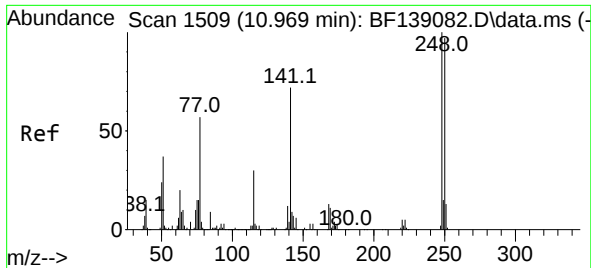
Tgt Ion:188 Resp: 294030
Ion Ratio Lower Upper
188 100
94 9.6 7.2 10.8
80 10.8 8.5 12.7



#65
4,6-Dinitro-2-methylphenol
Concen: 7.094 ng
RT: 10.722 min Scan# 1467
Delta R.T. 0.200 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

Tgt Ion:198 Resp: 611
Ion Ratio Lower Upper
198 100
51 188.1 40.8 80.8#
105 201.0 30.9 70.9#

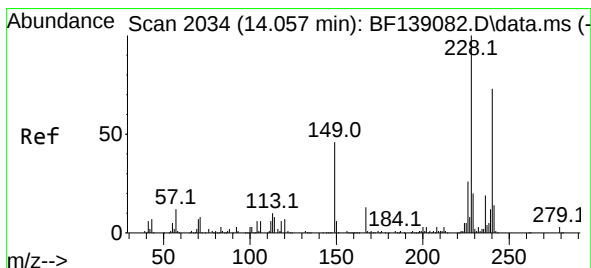
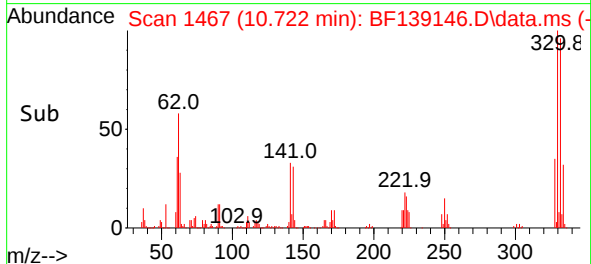
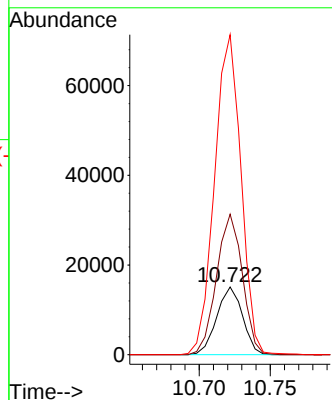
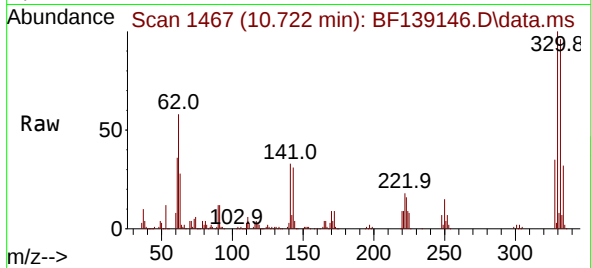




#67
4-Bromophenyl-phenylether
Concen: 6.100 ng
RT: 10.722 min Scan# 14
Delta R.T. -0.247 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

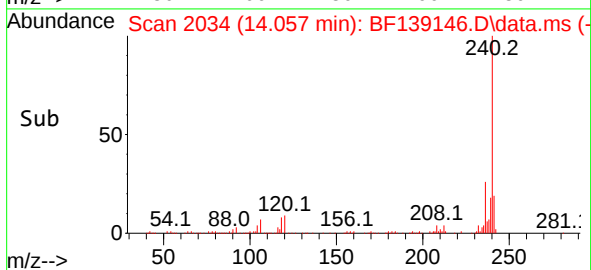
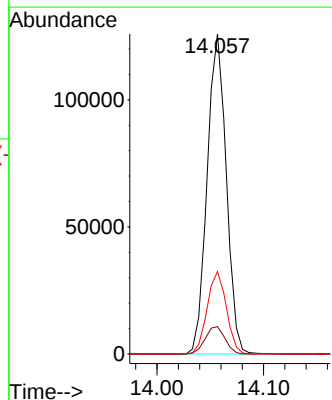
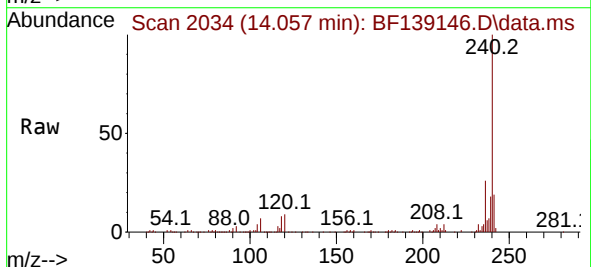
Instrument :
BNA_F
ClientSampleId :
Stock Pile-2

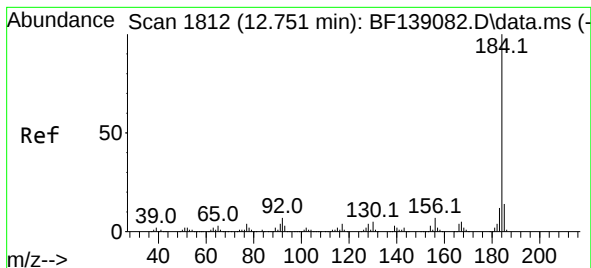
Tgt Ion:248 Resp: 19006
Ion Ratio Lower Upper
248 100
250 207.8 77.8 116.8#
141 473.2 57.9 86.9#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

Tgt Ion:240 Resp: 157458
Ion Ratio Lower Upper
240 100
120 8.5 7.8 11.6
236 25.7 20.9 31.3





#77

Benzidine

Concen: 2.529 ng

RT: 12.751 min Scan# 1812

Delta R.T. -0.000 min

Lab File: BF139146.D

Acq: 23 Aug 2024 14:43

Instrument :

BNA_F

ClientSampleId :

Stock Pile-2

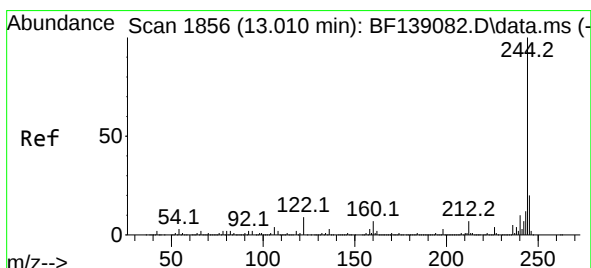
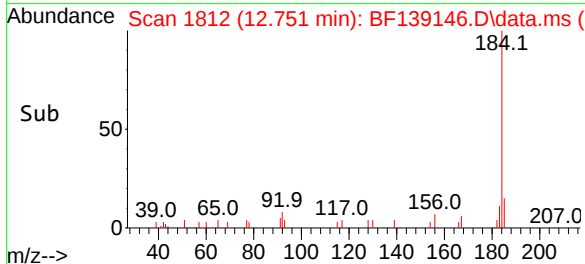
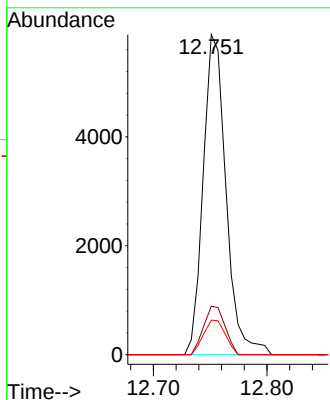
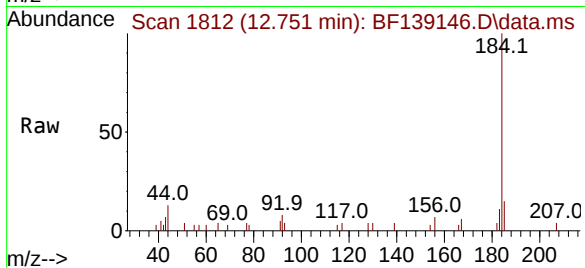
Tgt Ion:184 Resp: 8225

Ion Ratio Lower Upper

184 100

185 15.1 11.5 17.3

183 10.8 9.8 14.6



#79

Terphenyl-d14

Concen: 116.259 ng

RT: 13.010 min Scan# 1856

Delta R.T. -0.000 min

Lab File: BF139146.D

Acq: 23 Aug 2024 14:43

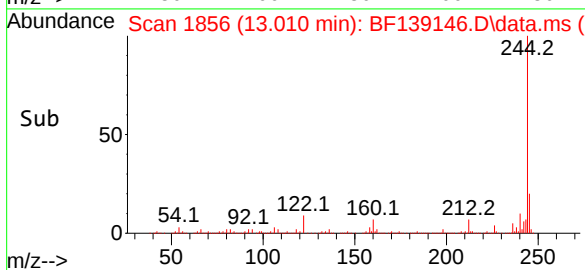
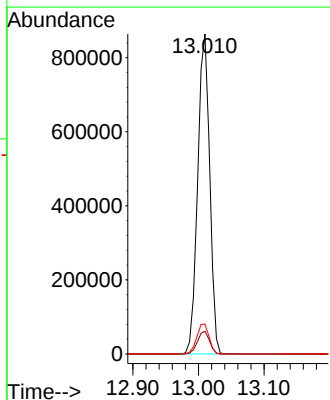
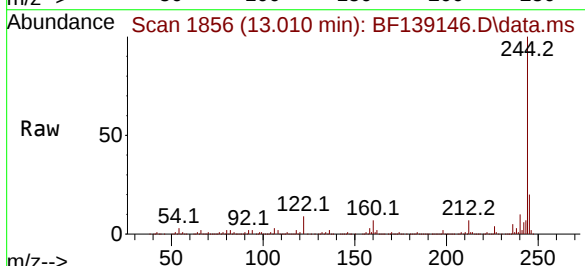
Tgt Ion:244 Resp: 1103239

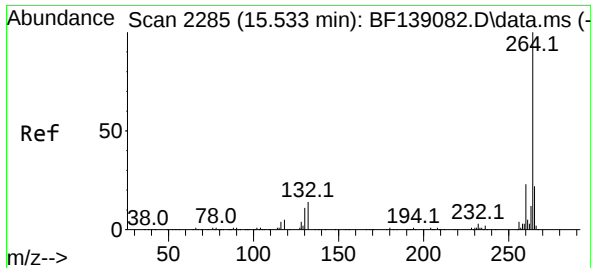
Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 9.4 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: BF139146.D
 Acq: 23 Aug 2024 14:43

Instrument :
 BNA_F
 ClientSampleId :
 Stock Pile-2

Tgt Ion:264	Resp:	167437
Ion	Ratio	Lower Upper
264	100	
260	23.1	18.6 27.8
265	21.4	17.4 26.2

