

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)

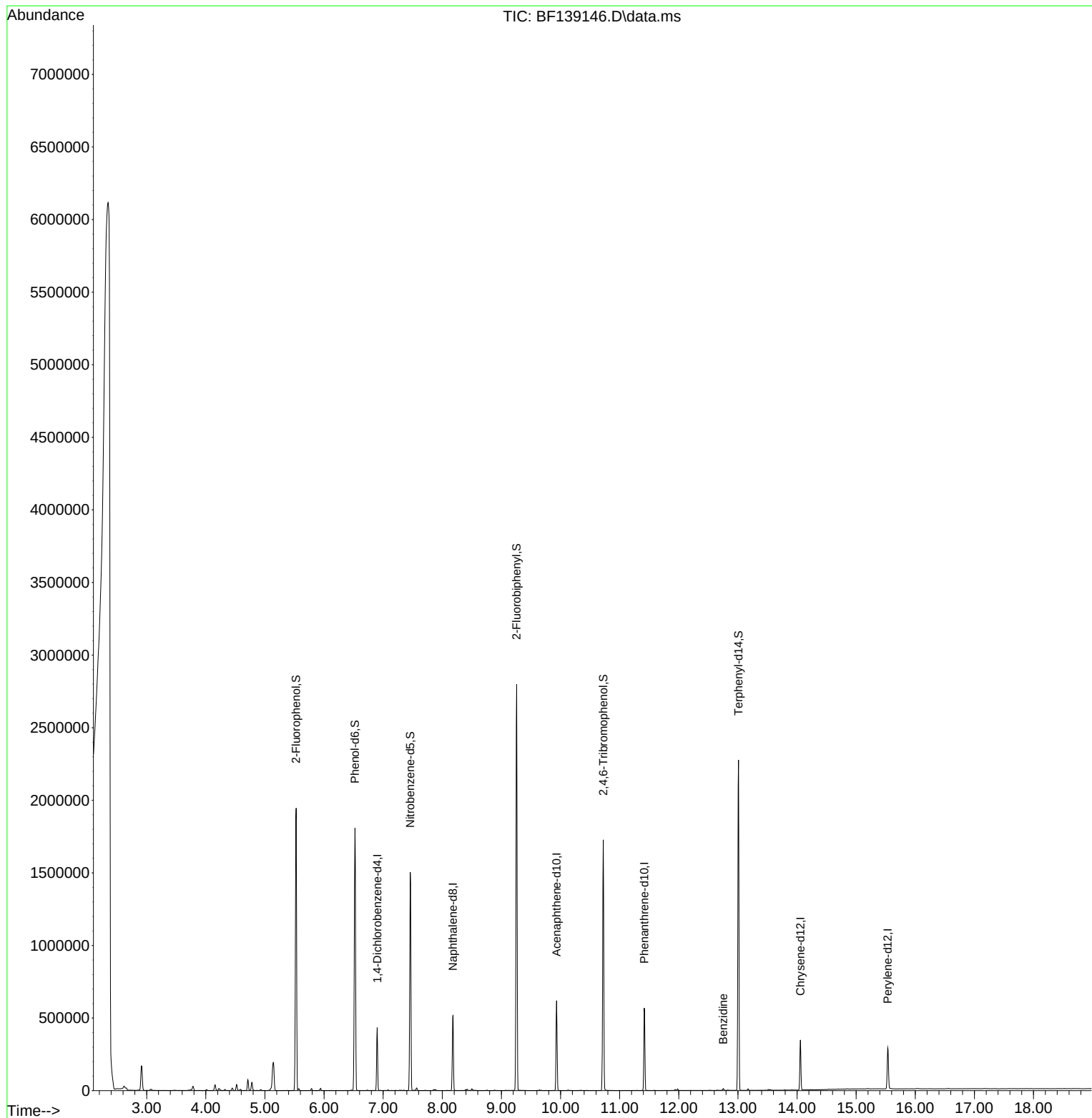
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	81969	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	306862	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	175208	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	294030	20.000	ng	0.00
76) Chrysene-d12	14.057	240	157458	20.000	ng	0.00
86) Perylene-d12	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						
77) Benzidine	12.751	184	8225	2.529	ng	Qvalue 97

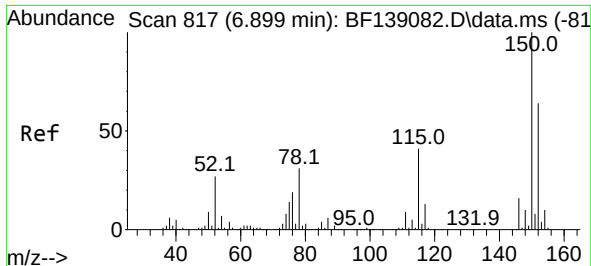
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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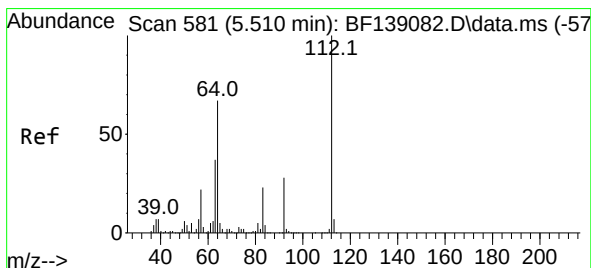
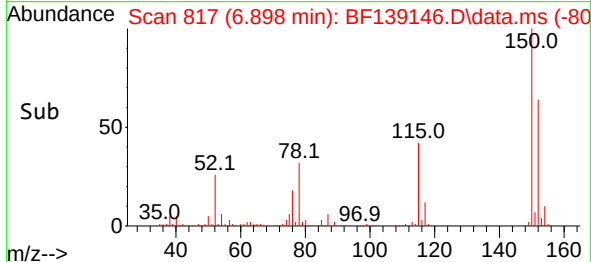
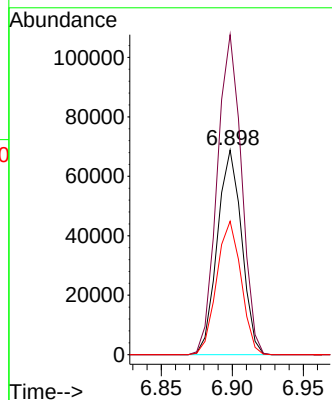
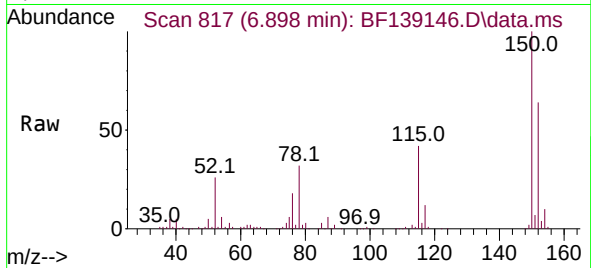




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.898 min Scan# 81
 Delta R.T. -0.001 min
 Lab File: BF139146.D
 Acq: 23 Aug 2024 14:43

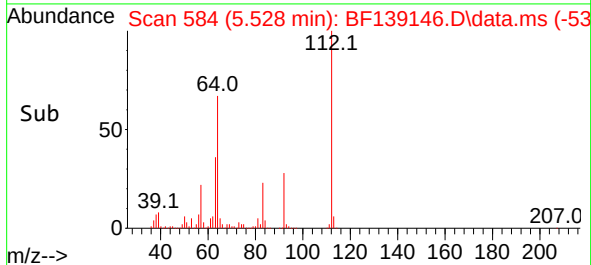
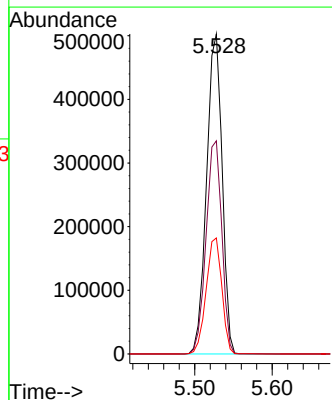
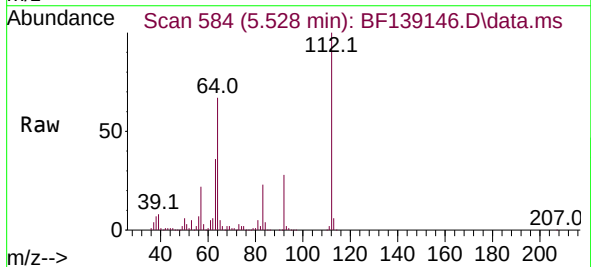
Instrument :
 BNA_F
 ClientSampleId :
 Stock Pile-2

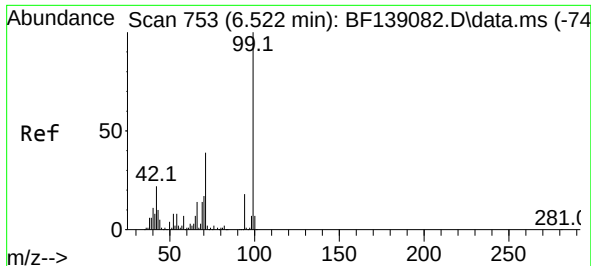
Tgt Ion:152 Resp: 81969
 Ion Ratio Lower Upper
 152 100
 150 156.4 125.1 187.7
 115 65.2 51.8 77.6



#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

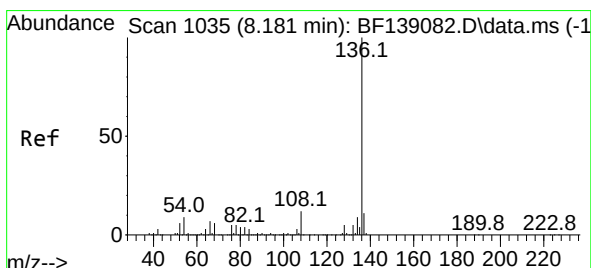
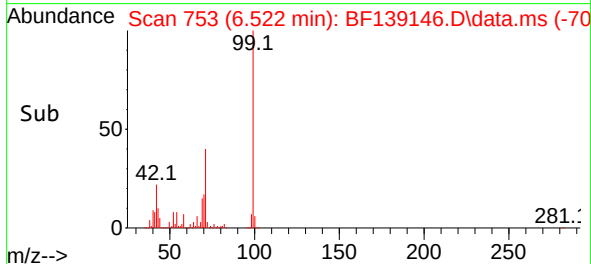
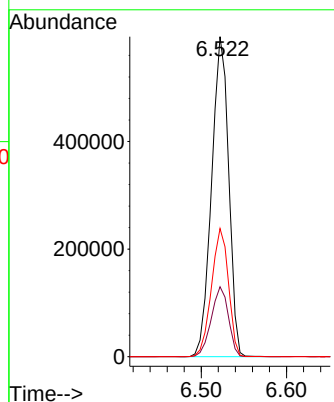
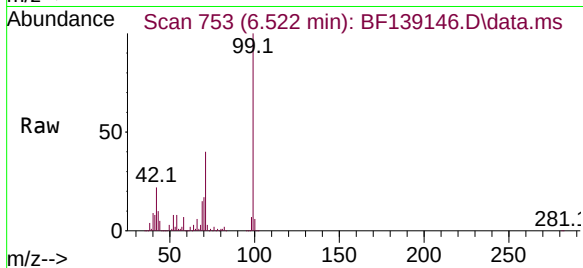




#7
Phenol-d6
Concen: 120.383 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

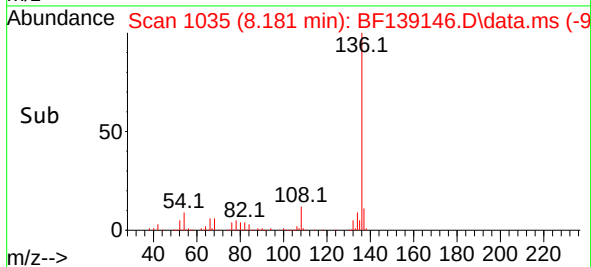
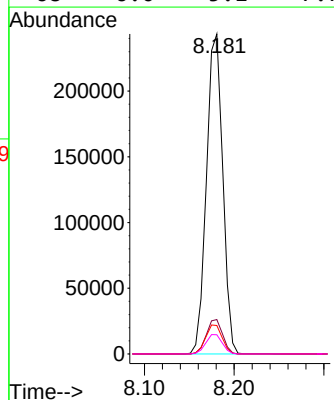
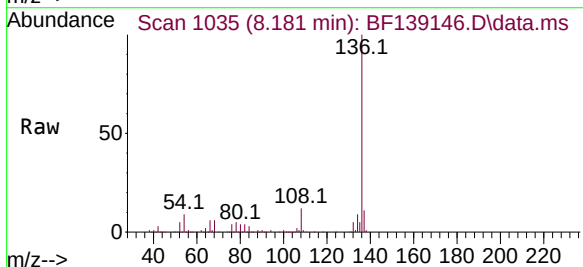
Instrument :
BNA_F
ClientSampleId :
Stock Pile-2

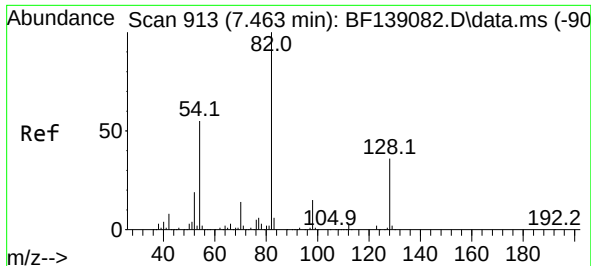
Tgt Ion: 99 Resp: 828740
Ion Ratio Lower Upper
99 100
42 21.9 17.4 26.2
71 40.0 31.2 46.8



#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

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# 913

Delta R.T. -0.006 min

Lab File: BF139146.D

Acq: 23 Aug 2024 14:43

Instrument :

BNA_F

ClientSampleId :

Stock Pile-2

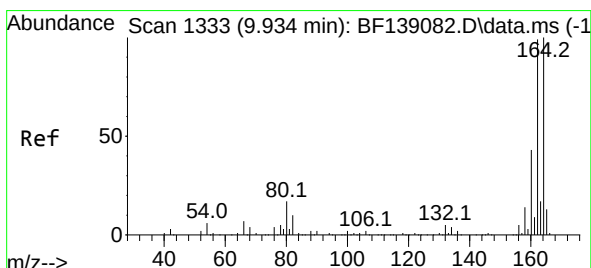
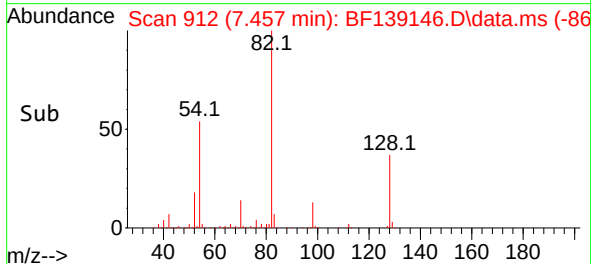
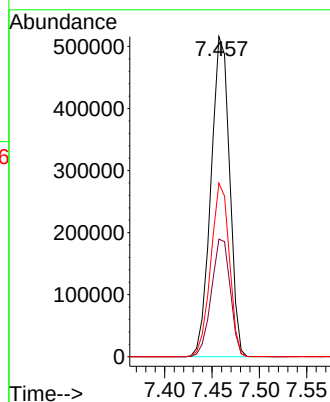
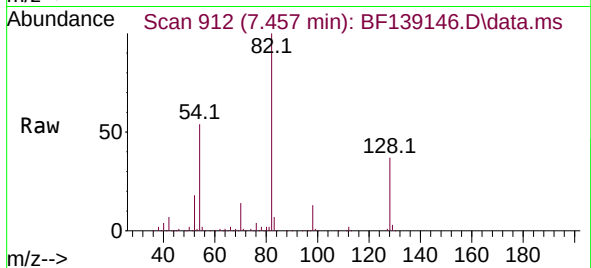
Tgt Ion: 82 Resp: 705032

Ion Ratio Lower Upper

82 100

128 36.7 29.0 43.4

54 54.2 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: BF139146.D

Acq: 23 Aug 2024 14:43

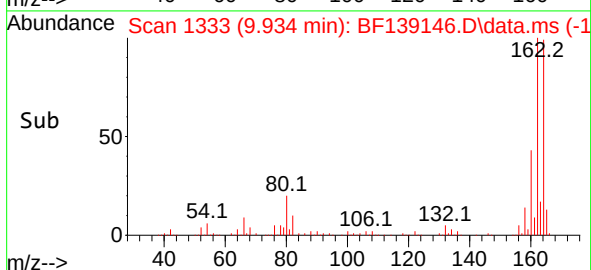
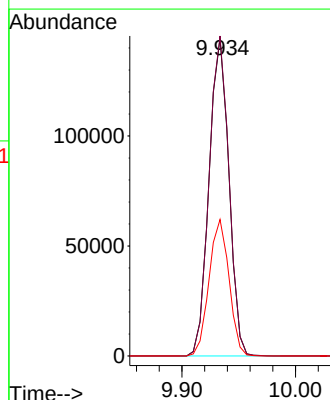
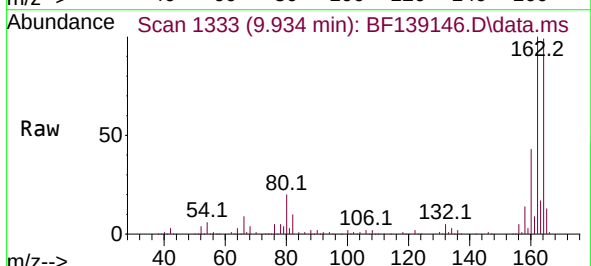
Tgt Ion:164 Resp: 175208

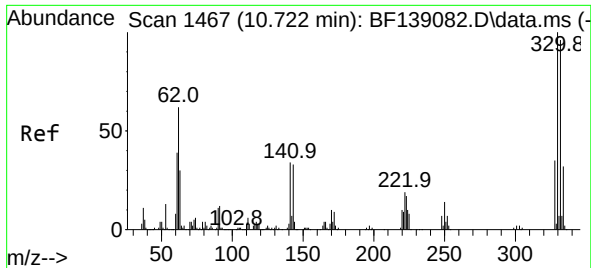
Ion Ratio Lower Upper

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

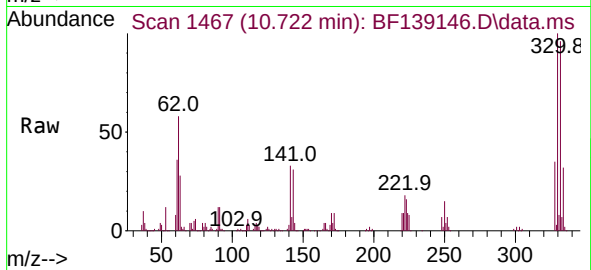
Acq: 23 Aug 2024 14:43

Instrument :

BNA_F

ClientSampleId :

Stock Pile-2



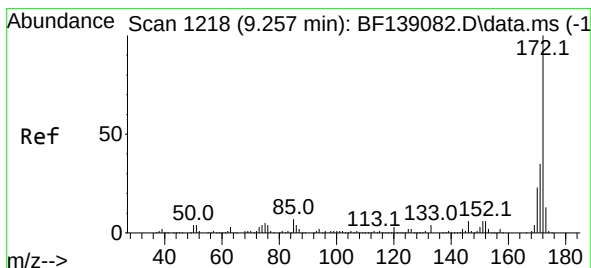
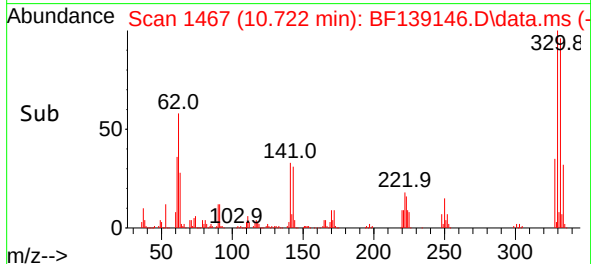
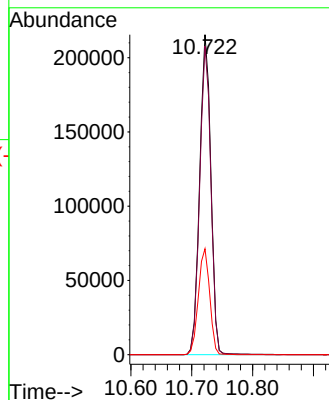
Tgt Ion:330 Resp: 275424

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# 1218

Delta R.T. -0.000 min

Lab File: BF139146.D

Acq: 23 Aug 2024 14:43

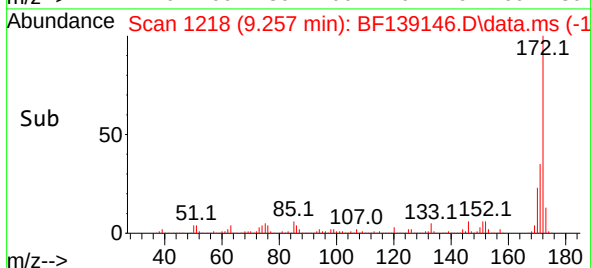
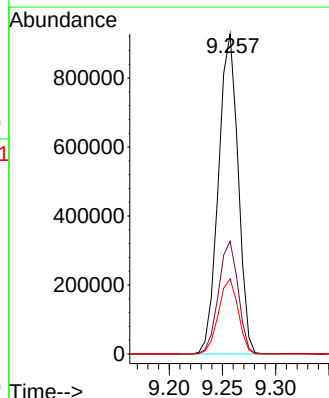
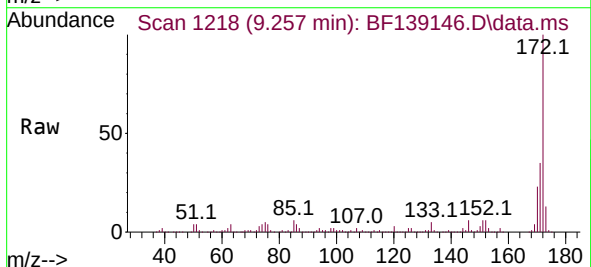
Tgt Ion:172 Resp: 1188333

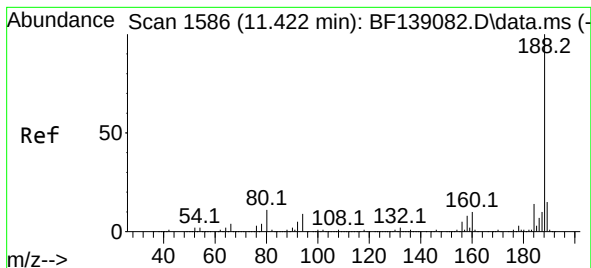
Ion Ratio Lower Upper

172 100

171 35.2 28.4 42.6

170 23.5 18.8 28.2





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.416 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF139146.D

Acq: 23 Aug 2024 14:43

Instrument :

BNA_F

ClientSampleId :

Stock Pile-2

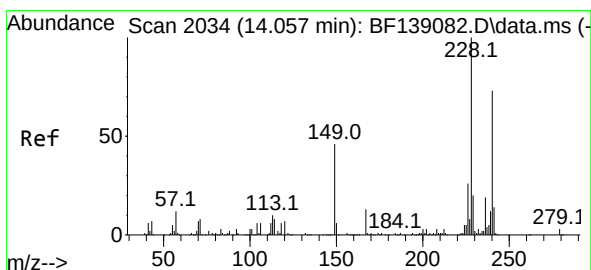
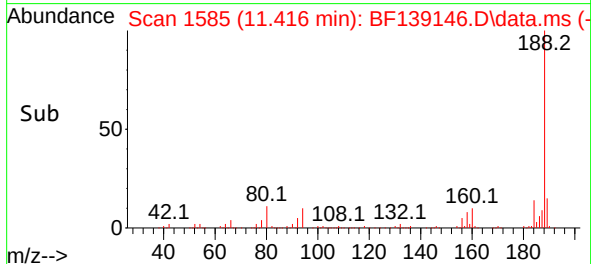
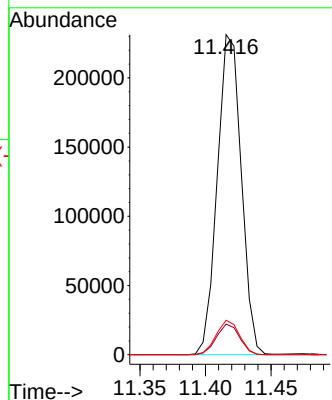
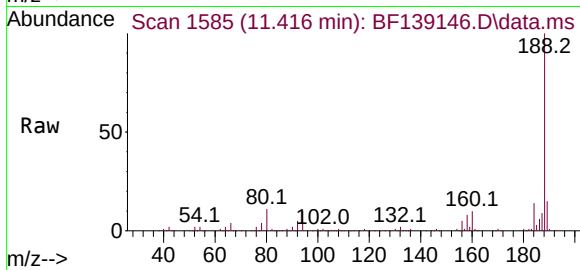
Tgt Ion:188 Resp: 294030

Ion Ratio Lower Upper

188 100

94 9.6 7.2 10.8

80 10.8 8.5 12.7



#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

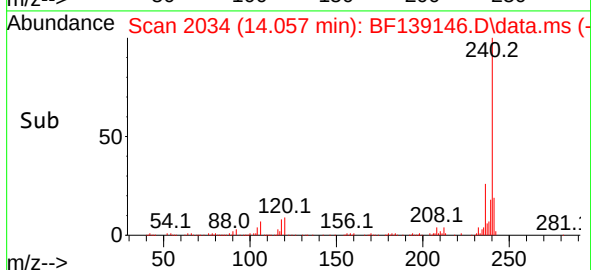
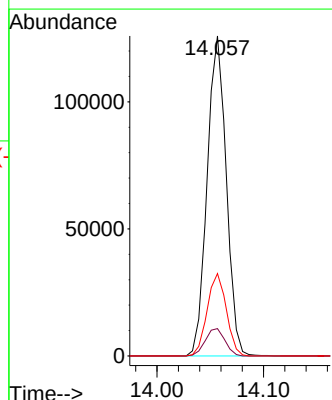
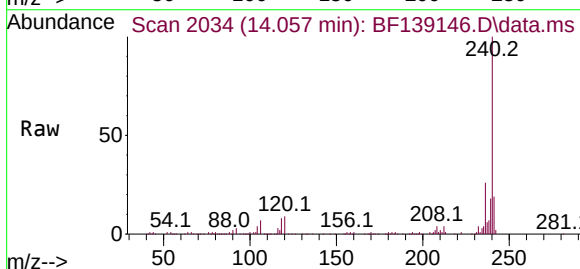
Tgt Ion:240 Resp: 157458

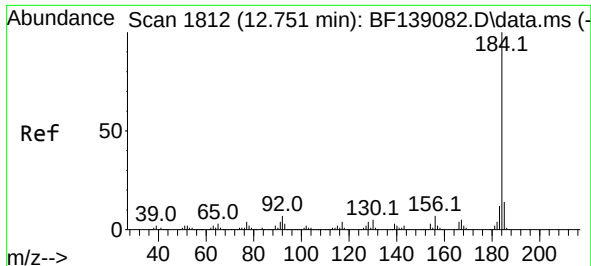
Ion Ratio Lower Upper

240 100

120 8.5 7.8 11.6

236 25.7 20.9 31.3

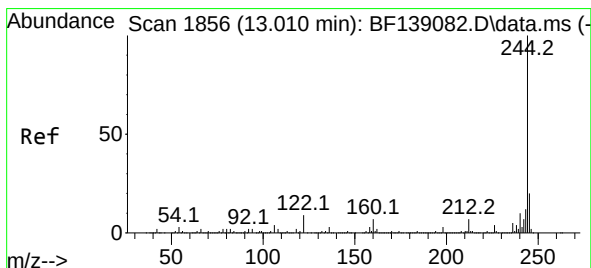
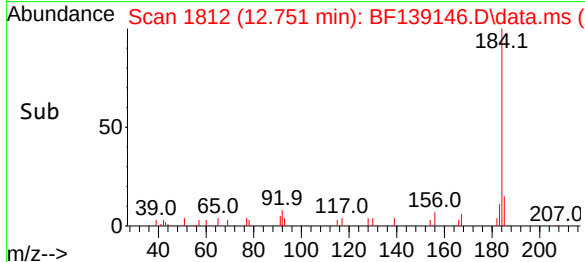
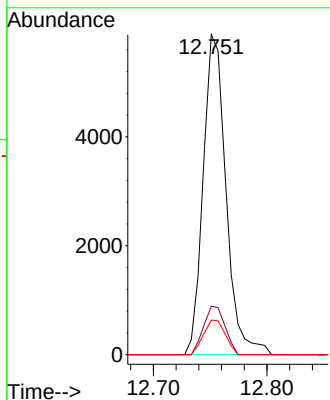
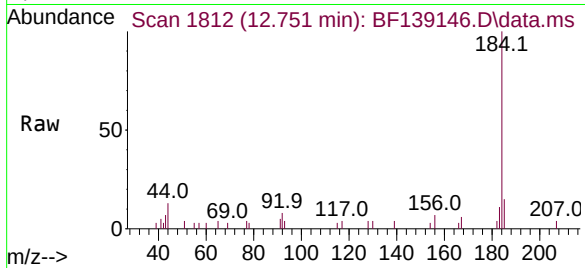




#77
Benzidine
Concen: 2.529 ng
RT: 12.751 min Scan# 1812
Delta R.T. -0.000 min
Lab File: BF139146.D
Acq: 23 Aug 2024 14:43

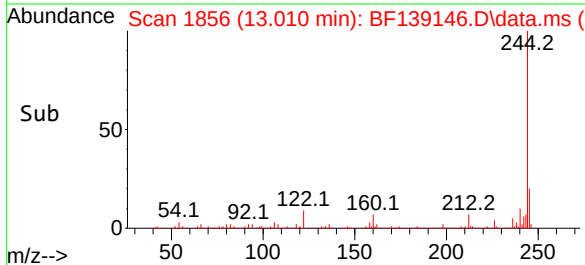
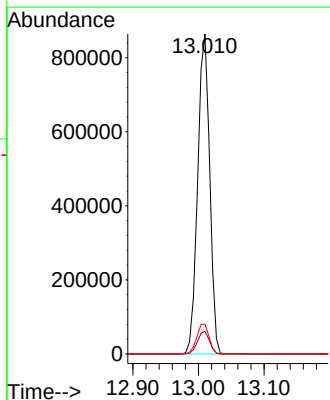
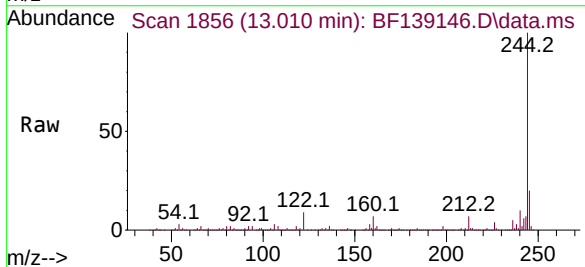
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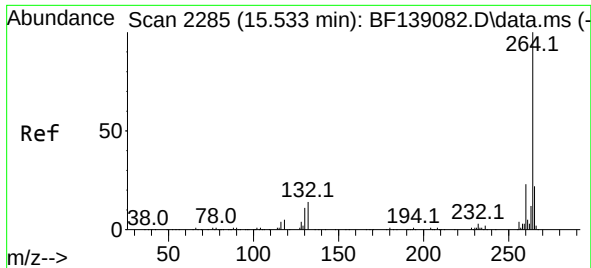
Tgt Ion:184	Resp:	8225	
Ion	Ratio	Lower	Upper
184	100		
185	15.1	11.5	17.3
183	10.8	9.8	14.6



#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

