

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101524\
 Data File : BF139817.D
 Acq On : 15 Oct 2024 17:33
 Operator : RC/JU
 Sample : P4395-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 F05308-SOLID

Quant Time: Oct 15 17:56:19 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101524.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 15 16:41:54 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

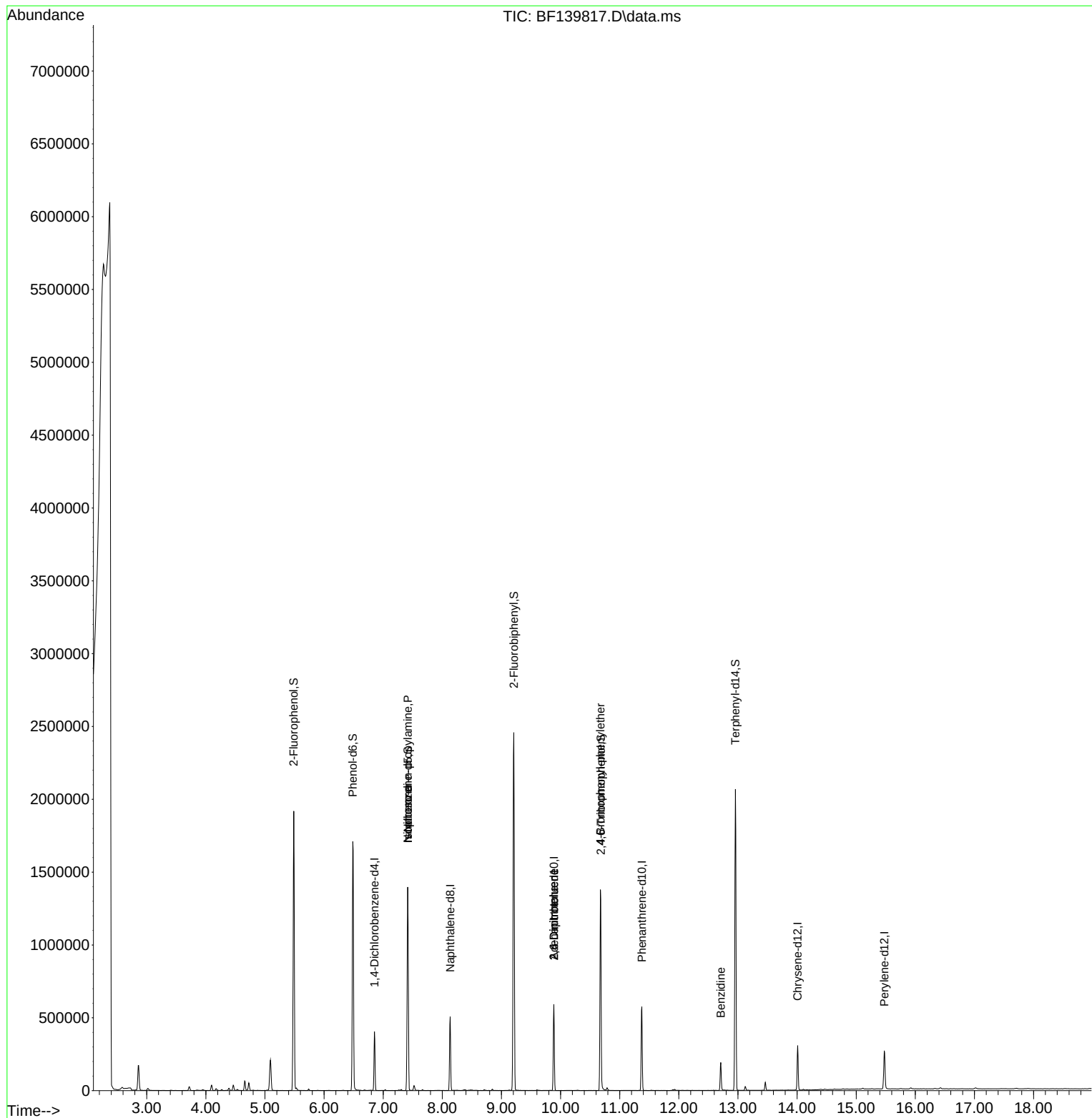
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.851	152	81166	20.000	ng	0.00
21) Naphthalene-d8	8.134	136	309021	20.000	ng	0.00
39) Acenaphthene-d10	9.886	164	171844	20.000	ng	0.00
64) Phenanthrene-d10	11.375	188	312907	20.000	ng	0.00
76) Chrysene-d12	14.010	240	141777	20.000	ng	0.00
86) Perylene-d12	15.474	264	155453	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	673898	140.090	ng	0.01
7) Phenol-d6	6.487	99	821578	128.422	ng	0.00
23) Nitrobenzene-d5	7.416	82	630360	104.992	ng	0.00
42) 2,4,6-Tribromophenol	10.680	330	230445	159.004	ng	0.00
45) 2-Fluorobiphenyl	9.210	172	1133268	98.637	ng	0.00
79) Terphenyl-d14	12.957	244	1002338	191.257	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.416	70	82595	22.170	ng	# 77
25) Isophorone	7.416	82	628884	61.378	ng	# 67
51) 2,6-Dinitrotoluene	9.886	165	21667	9.028	ng	# 22
57) 2,4-Dinitrotoluene	9.886	165	21667	7.312	ng	# 19
67) 4-Bromophenyl-phenylether	10.675	248	15768	4.677	ng	# 1
77) Benzidine	12.710	184	109004	46.026	ng	98

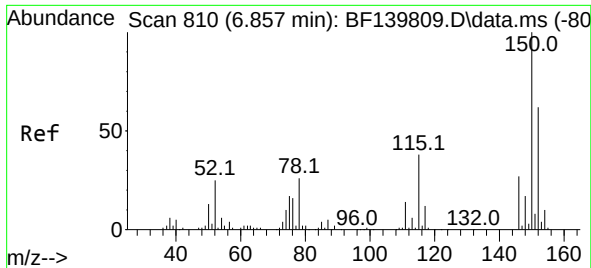
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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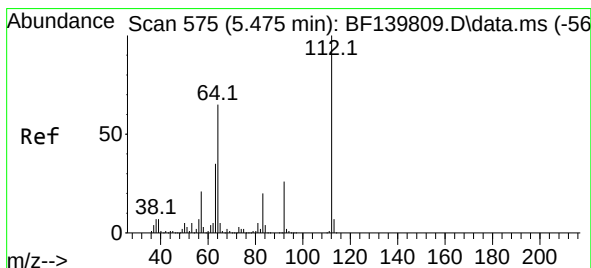
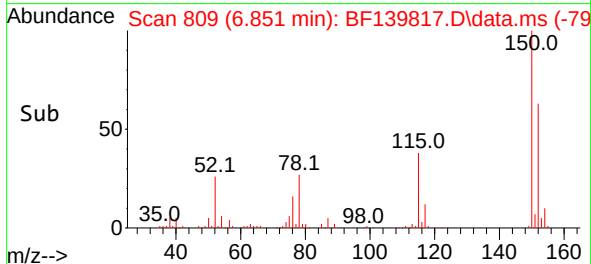
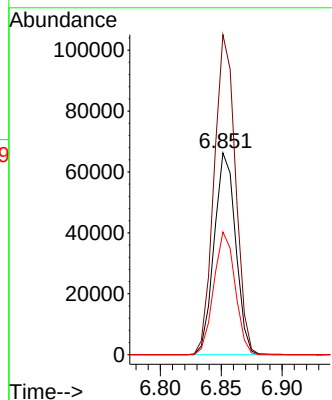
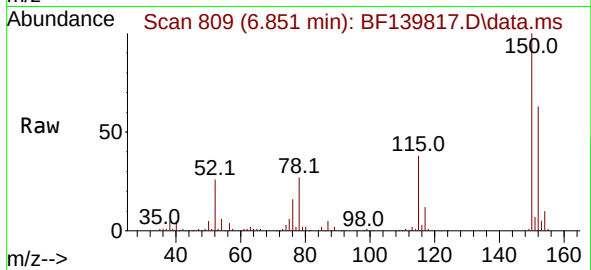




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.851 min Scan# 810
 Delta R.T. -0.006 min
 Lab File: BF139817.D
 Acq: 15 Oct 2024 17:33

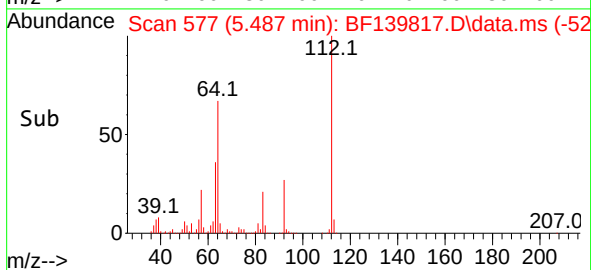
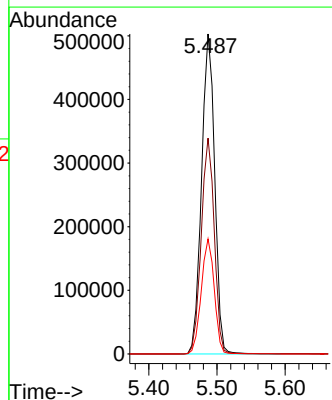
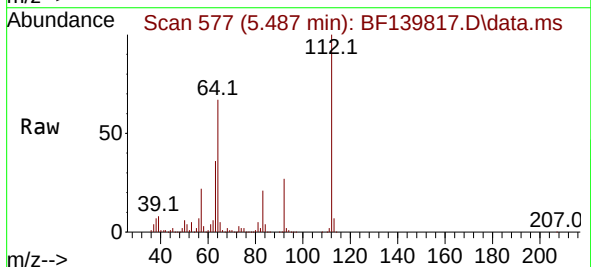
Instrument :
 BNA_F
 ClientSampleId :
 F05308-SOLID

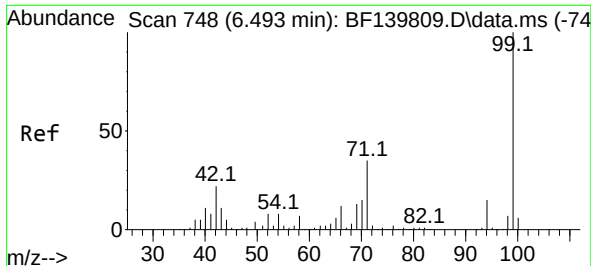
Tgt Ion:152 Resp: 81166
 Ion Ratio Lower Upper
 152 100
 150 158.5 128.2 192.2
 115 60.8 48.1 72.1



#5
 2-Fluorophenol
 Concen: 140.090 ng
 RT: 5.487 min Scan# 577
 Delta R.T. 0.012 min
 Lab File: BF139817.D
 Acq: 15 Oct 2024 17:33

Tgt Ion:112 Resp: 673898
 Ion Ratio Lower Upper
 112 100
 64 67.5 52.1 78.1
 63 35.9 27.6 41.4

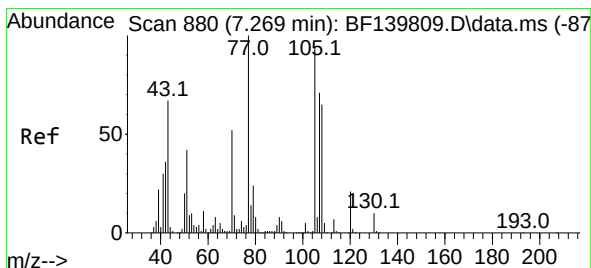
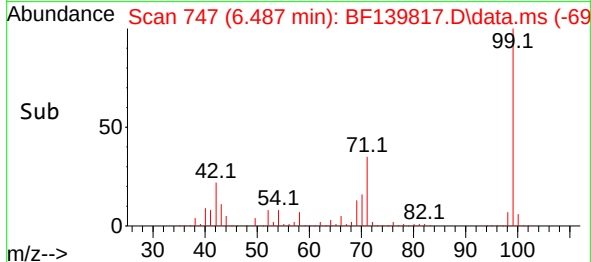
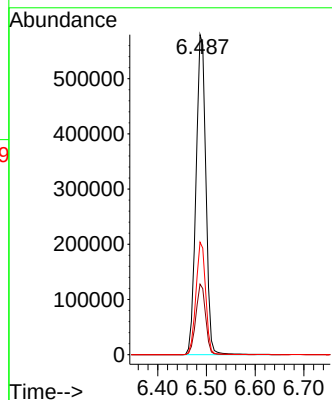
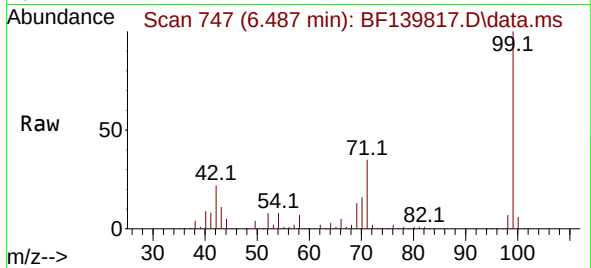




#7
Phenol-d6
Concen: 128.422 ng
RT: 6.487 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF139817.D
Acq: 15 Oct 2024 17:33

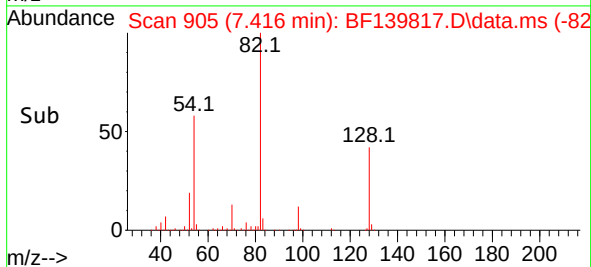
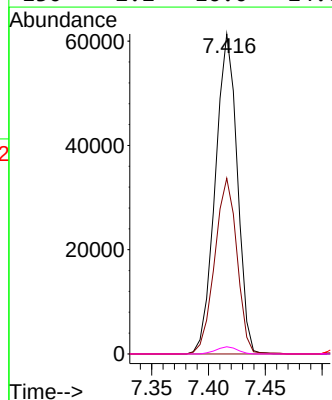
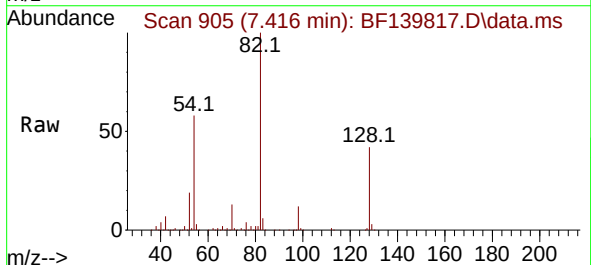
Instrument :
BNA_F
ClientSampleId :
F05308-SOLID

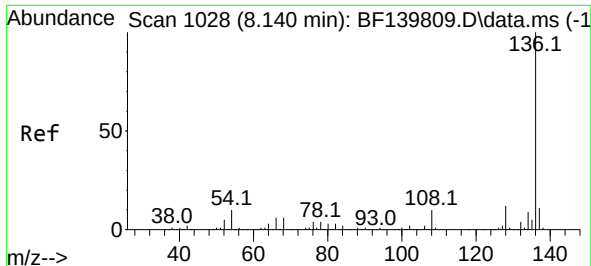
Tgt Ion: 99 Resp: 821578
Ion Ratio Lower Upper
99 100
42 22.0 17.3 25.9
71 35.1 27.8 41.6



#19
n-Nitroso-di-n-propylamine
Concen: 22.170 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.147 min
Lab File: BF139817.D
Acq: 15 Oct 2024 17:33

Tgt Ion: 70 Resp: 82595
Ion Ratio Lower Upper
70 100
42 54.9 55.8 83.6#
101 0.0 7.4 11.0#
130 2.2 16.0 24.0#



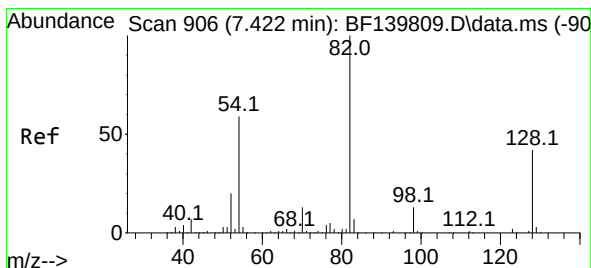
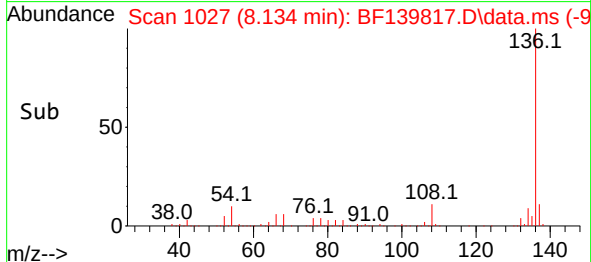
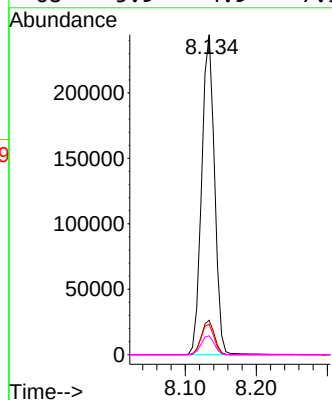
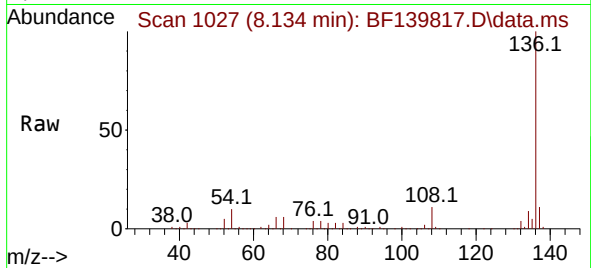


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.134 min Scan# 1028
Delta R.T. -0.006 min
Lab File: BF139817.D
Acq: 15 Oct 2024 17:33

Instrument :
BNA_F
ClientSampleId :
F05308-SOLID

Tgt Ion:136 Resp: 309021

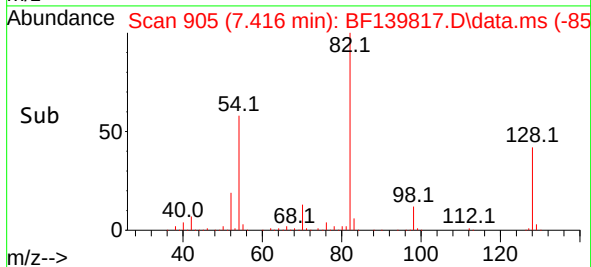
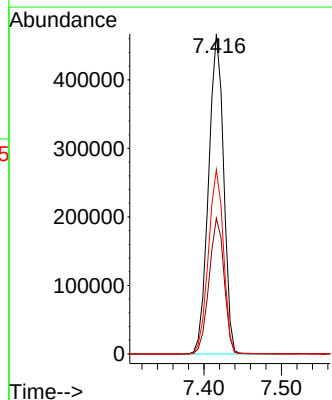
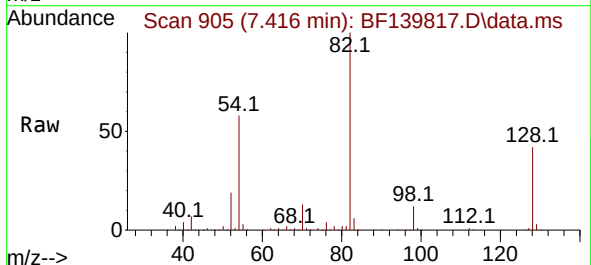
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.5	12.7
54	9.5	7.7	11.5
68	5.9	4.9	7.3

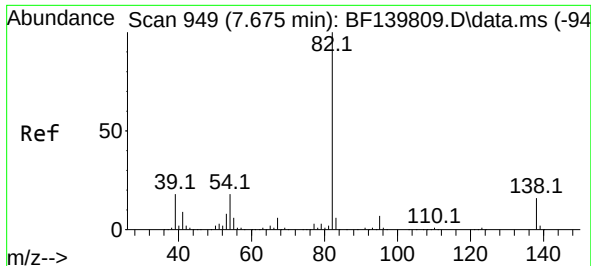


#23
Nitrobenzene-d5
Concen: 104.992 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.006 min
Lab File: BF139817.D
Acq: 15 Oct 2024 17:33

Tgt Ion: 82 Resp: 630360

Ion	Ratio	Lower	Upper
82	100		
128	42.4	33.9	50.9
54	57.6	46.9	70.3

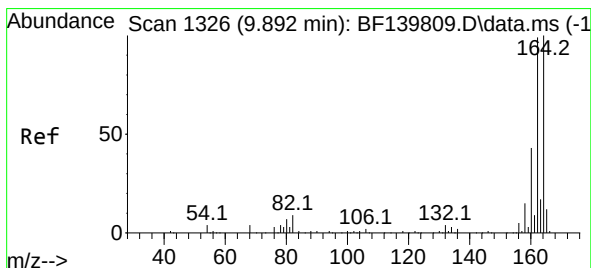
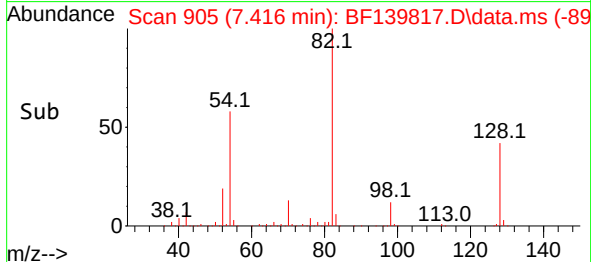
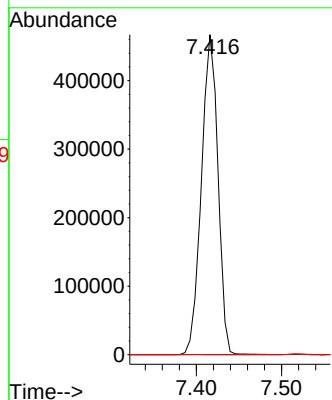
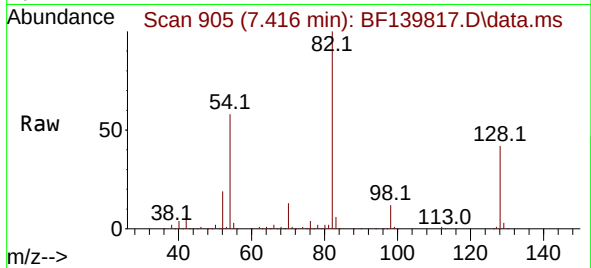




#25
Isophorone
Concen: 61.378 ng
RT: 7.416 min Scan# 905
Delta R.T. -0.259 min
Lab File: BF139817.D
Acq: 15 Oct 2024 17:33

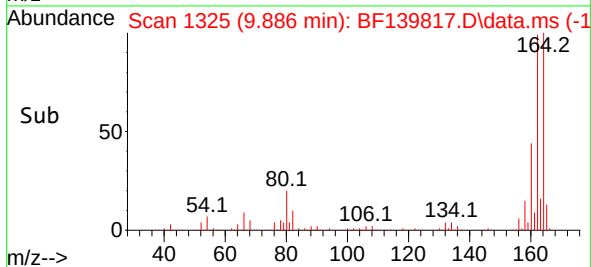
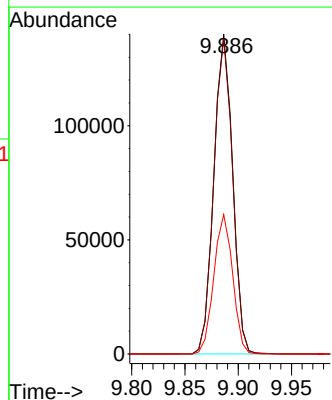
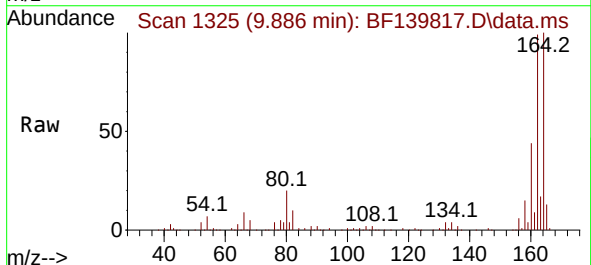
Instrument :
BNA_F
ClientSampleId :
F05308-SOLID

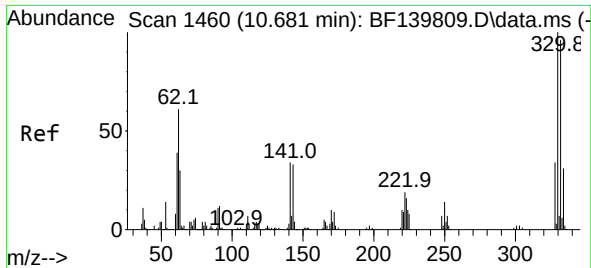
Tgt Ion: 82 Resp: 628884
Ion Ratio Lower Upper
82 100
95 0.0 5.9 8.9#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF139817.D
Acq: 15 Oct 2024 17:33

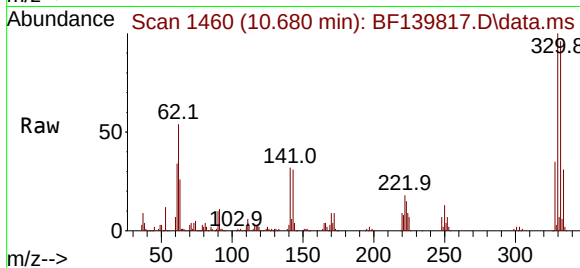
Tgt Ion:164 Resp: 171844
Ion Ratio Lower Upper
164 100
162 98.5 79.1 118.7
160 43.6 34.4 51.6



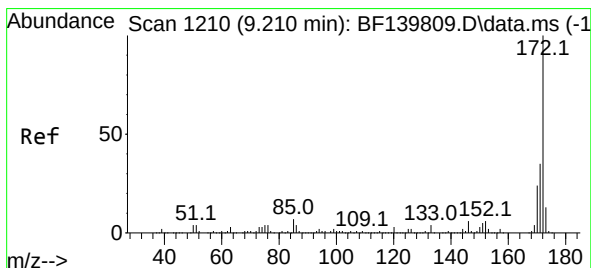
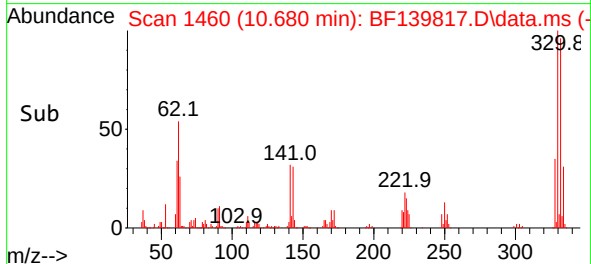
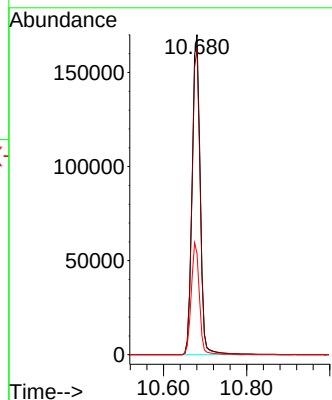


#42
2,4,6-Tribromophenol
Concen: 159.004 ng
RT: 10.680 min Scan# 1460
Delta R.T. -0.000 min
Lab File: BF139817.D
Acq: 15 Oct 2024 17:33

Instrument :
BNA_F
ClientSampleId :
F05308-SOLID

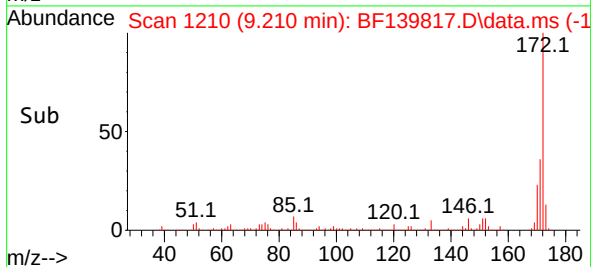
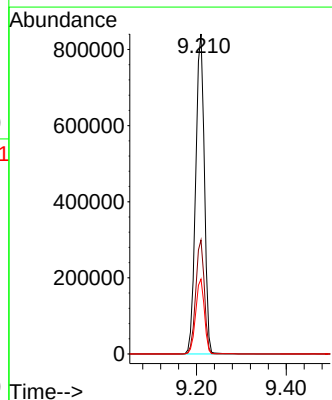
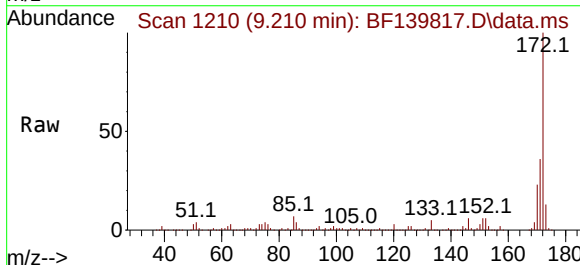


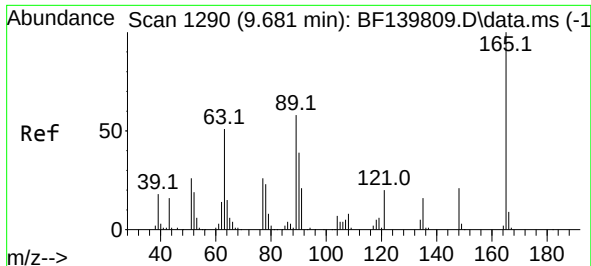
Tgt Ion:330 Resp: 230445
Ion Ratio Lower Upper
330 100
332 95.7 76.6 114.8
141 34.8 27.8 41.6



#45
2-Fluorobiphenyl
Concen: 98.637 ng
RT: 9.210 min Scan# 1210
Delta R.T. -0.000 min
Lab File: BF139817.D
Acq: 15 Oct 2024 17:33

Tgt Ion:172 Resp: 1133268
Ion Ratio Lower Upper
172 100
171 35.6 28.2 42.2
170 23.4 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 9.028 ng

RT: 9.886 min Scan# 1

Delta R.T. 0.206 min

Lab File: BF139817.D

Acq: 15 Oct 2024 17:33

Instrument :

BNA_F

ClientSampleId :

F05308-SOLID

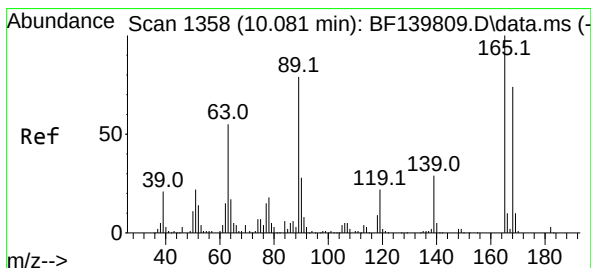
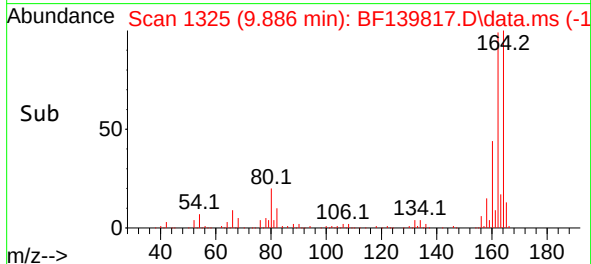
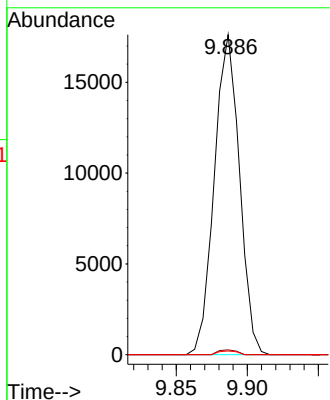
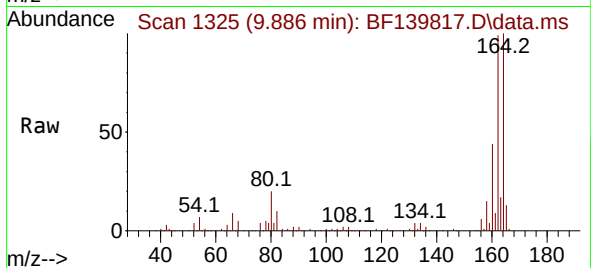
Tgt Ion:165 Resp: 21667

Ion Ratio Lower Upper

165 100

63 1.5 50.0 75.0#

89 1.2 46.8 70.2#



#57

2,4-Dinitrotoluene

Concen: 7.312 ng

RT: 9.886 min Scan# 1325

Delta R.T. -0.195 min

Lab File: BF139817.D

Acq: 15 Oct 2024 17:33

Tgt Ion:165 Resp: 21667

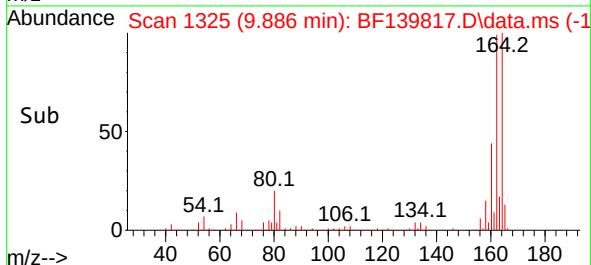
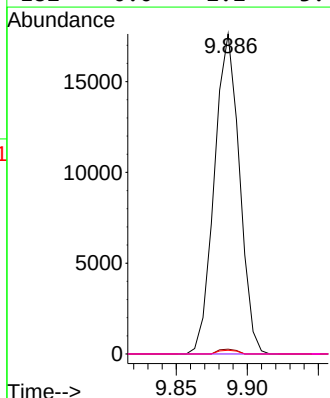
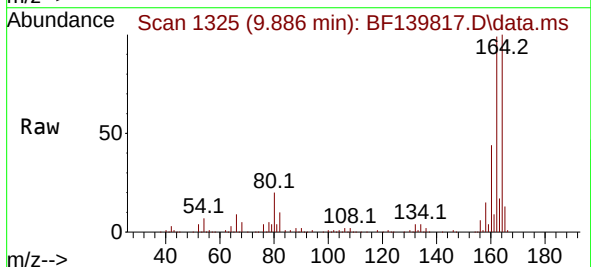
Ion Ratio Lower Upper

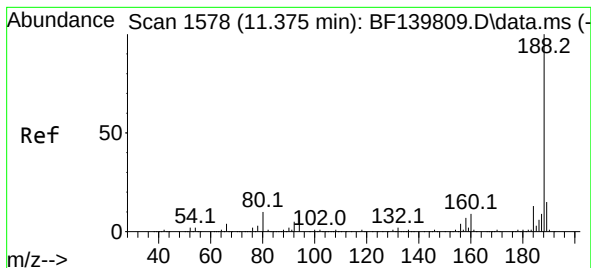
165 100

63 1.5 44.7 67.1#

89 1.2 63.1 94.7#

182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.375 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139817.D

Acq: 15 Oct 2024 17:33

Instrument :

BNA_F

ClientSampleId :

F05308-SOLID

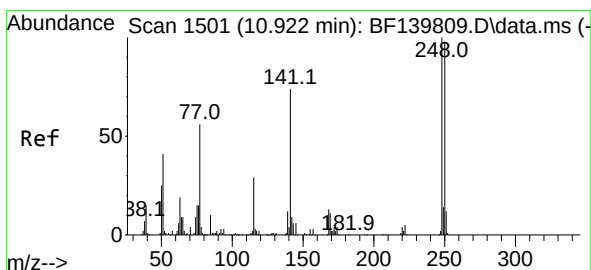
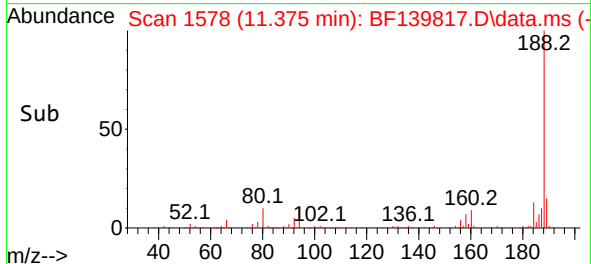
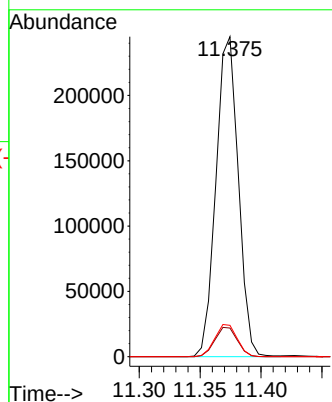
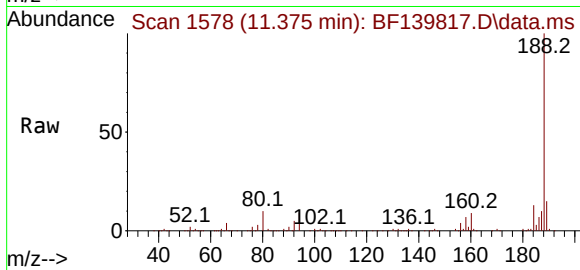
Tgt Ion:188 Resp: 312907

Ion Ratio Lower Upper

188 100

94 8.9 7.3 10.9

80 9.8 7.8 11.8



#67

4-Bromophenyl-phenylether

Concen: 4.677 ng

RT: 10.675 min Scan# 1459

Delta R.T. -0.247 min

Lab File: BF139817.D

Acq: 15 Oct 2024 17:33

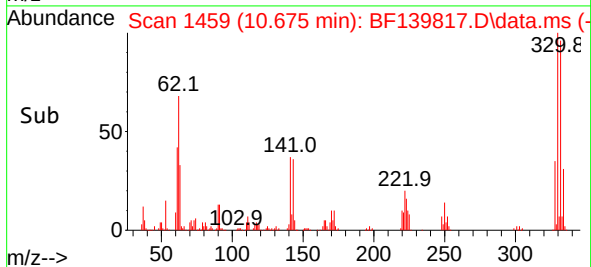
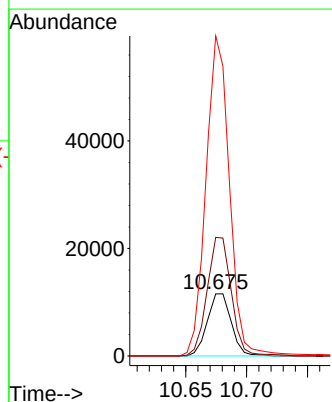
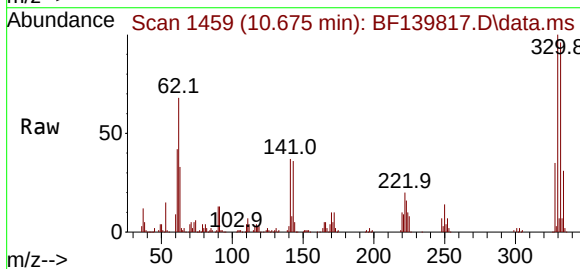
Tgt Ion:248 Resp: 15768

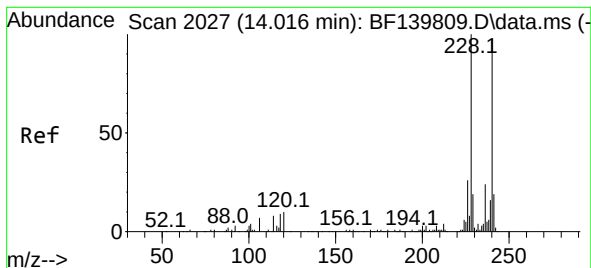
Ion Ratio Lower Upper

248 100

250 191.0 78.7 118.1#

141 515.8 58.9 88.3#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.010 min Scan# 2027

Delta R.T. -0.006 min

Lab File: BF139817.D

Acq: 15 Oct 2024 17:33

Instrument :

BNA_F

ClientSampleId :

F05308-SOLID

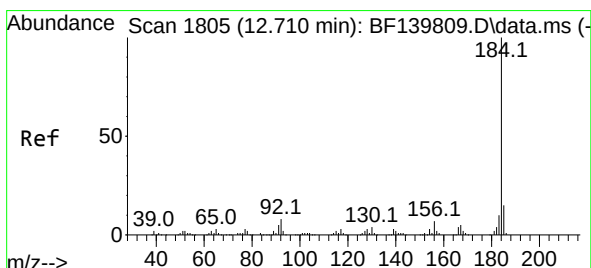
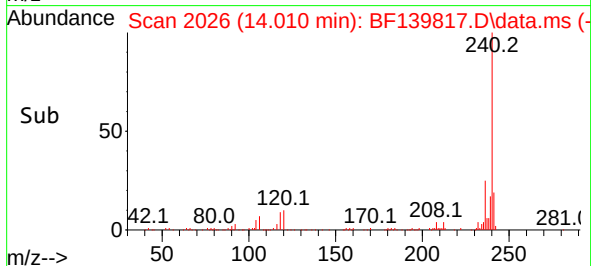
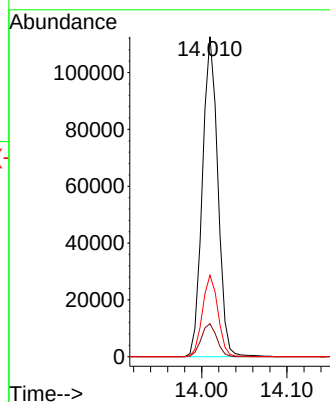
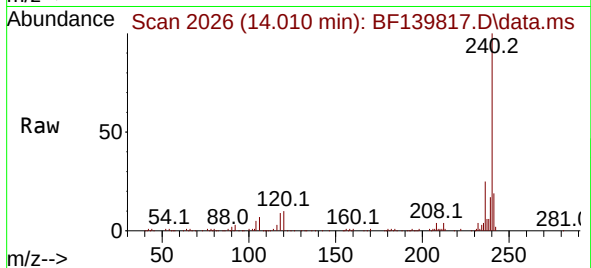
Tgt Ion:240 Resp: 141777

Ion Ratio Lower Upper

240 100

120 10.3 8.6 12.8

236 25.4 20.0 30.0



#77

Benzidine

Concen: 46.026 ng

RT: 12.710 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF139817.D

Acq: 15 Oct 2024 17:33

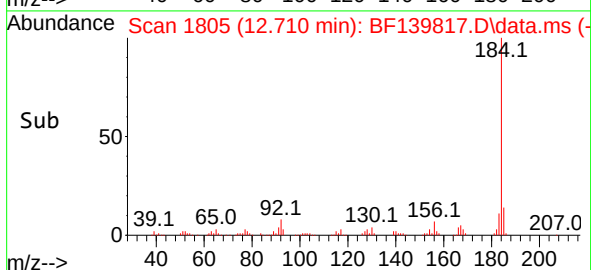
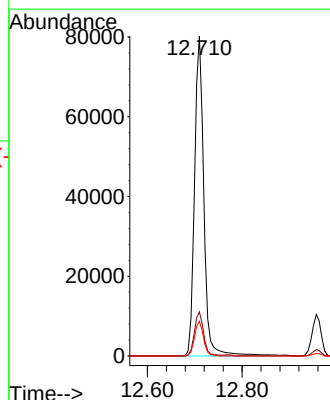
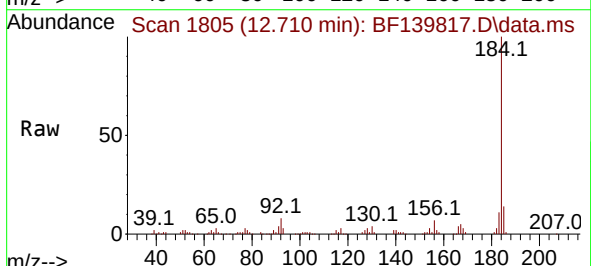
Tgt Ion:184 Resp: 109004

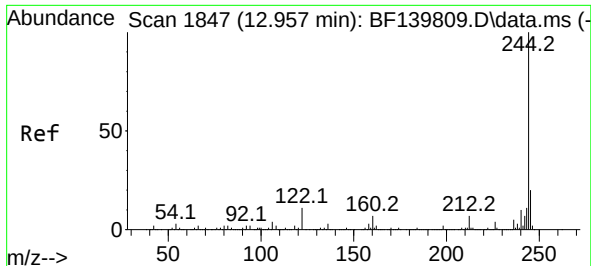
Ion Ratio Lower Upper

184 100

185 13.8 11.9 17.9

183 10.9 8.4 12.6

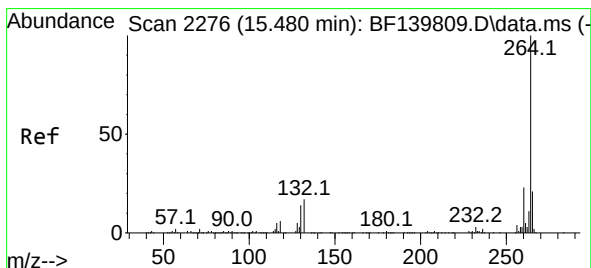
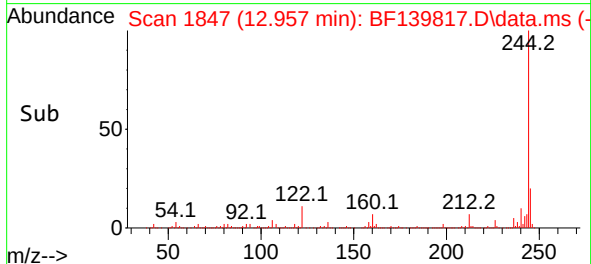
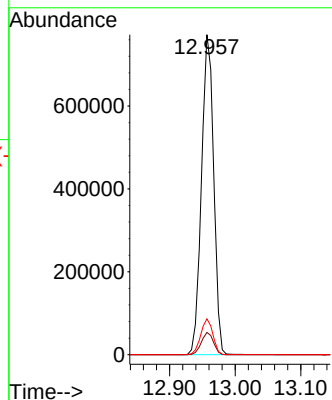
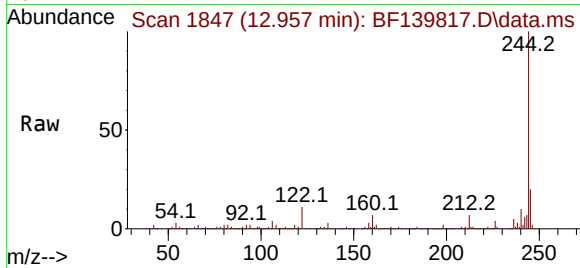




#79
 Terphenyl-d14
 Concen: 191.257 ng
 RT: 12.957 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF139817.D
 Acq: 15 Oct 2024 17:33

Instrument :
 BNA_F
 ClientSampleId :
 F05308-SOLID

Tgt Ion:244 Resp: 1002338
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.5 8.3
 122 11.2 8.9 13.3



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.474 min Scan# 2275
 Delta R.T. -0.006 min
 Lab File: BF139817.D
 Acq: 15 Oct 2024 17:33

Tgt Ion:264 Resp: 155453
 Ion Ratio Lower Upper
 264 100
 260 22.5 18.8 28.2
 265 20.8 17.2 25.8

