

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102224\
 Data File : BF139937.D
 Acq On : 22 Oct 2024 19:25
 Operator : RC/JU
 Sample : P4385-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Quant Time: Oct 23 01:12:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

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

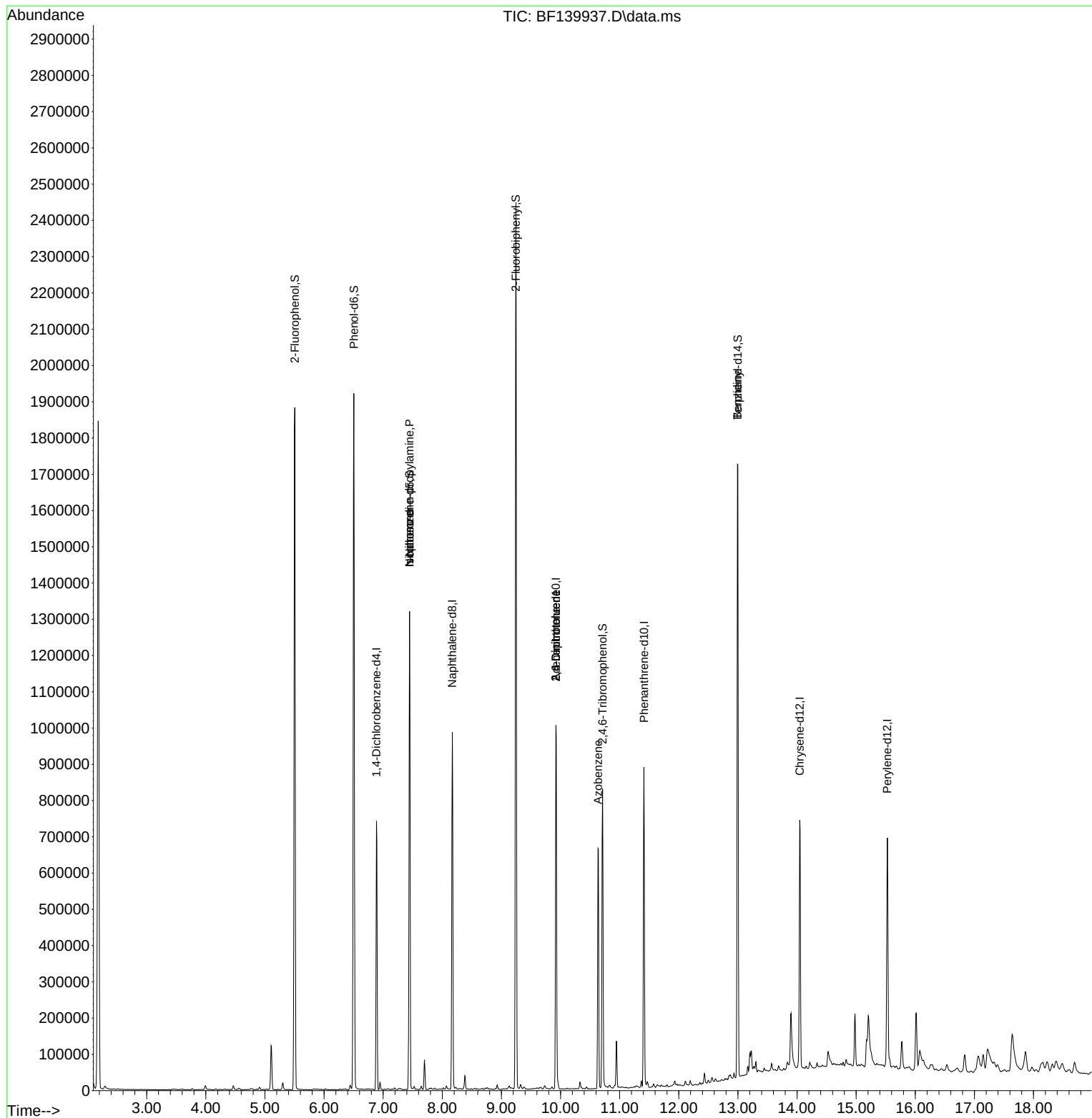
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	151716	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	581488	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	304861	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	449838	20.000	ng	0.00
76) Chrysene-d12	14.045	240	325843	20.000	ng	0.00
86) Perylene-d12	15.527	264	359851	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	706993	72.951	ng	0.00
7) Phenol-d6	6.504	99	891767	71.047	ng	0.00
23) Nitrobenzene-d5	7.445	82	563214	53.682	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	135085	47.372	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1053954	57.136	ng	0.00
79) Terphenyl-d14	12.998	244	859406	42.977	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.445	70	74976	9.849	ng	Qvalue # 77
25) Isophorone	7.445	82	561250	28.185	ng	# 67
51) 2,6-Dinitrotoluene	9.922	165	39239	9.544	ng	# 21
57) 2,4-Dinitrotoluene	9.922	165	39239	7.761	ng	# 21
63) Azobenzene	10.633	77	171810	8.692	ng	# 1
77) Benzidine	12.992	184	10891	2.033	ng	# 92

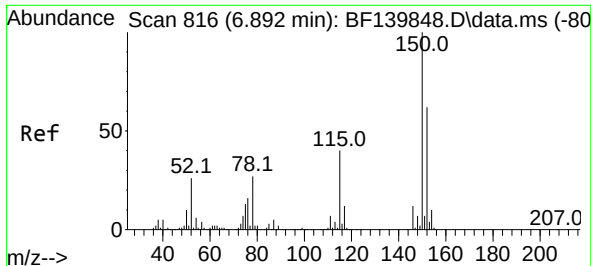
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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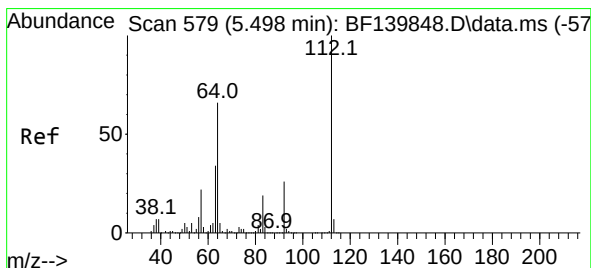
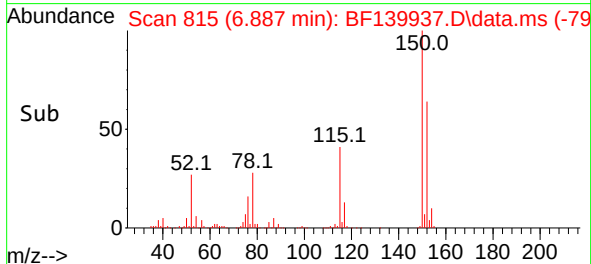
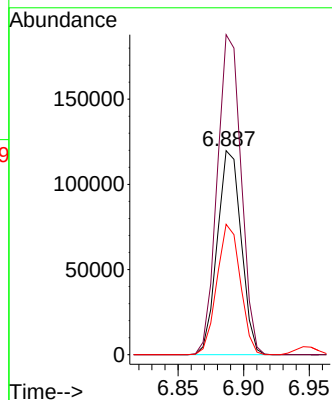
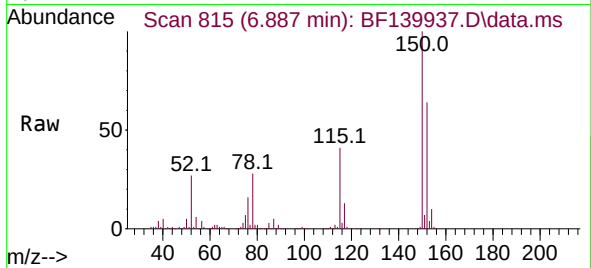




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

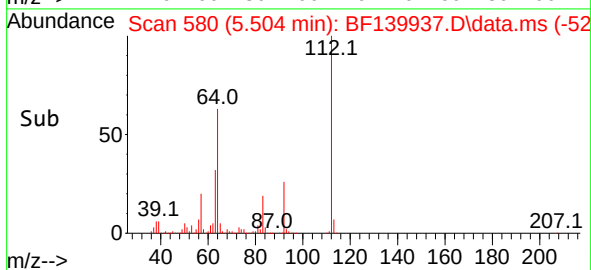
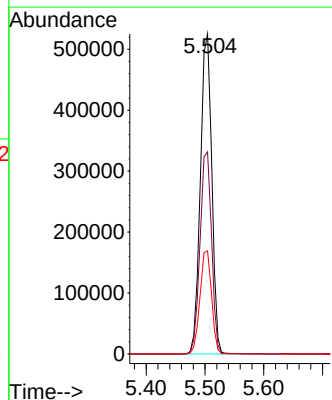
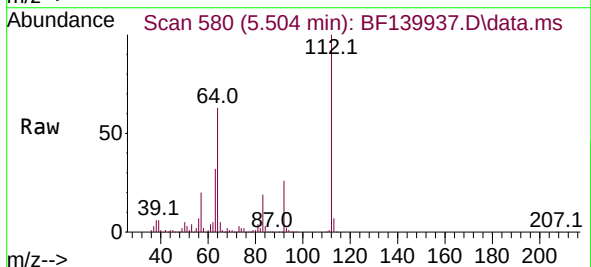
Instrument :
BNA_F
ClientSampleId :
SP-2

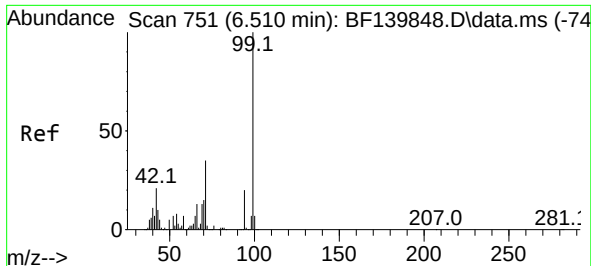
Tgt Ion:152 Resp: 151716
Ion Ratio Lower Upper
152 100
150 156.9 130.2 195.2
115 64.0 51.4 77.2



#5
2-Fluorophenol
Concen: 72.951 ng
RT: 5.504 min Scan# 580
Delta R.T. 0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

Tgt Ion:112 Resp: 706993
Ion Ratio Lower Upper
112 100
64 63.1 53.0 79.6
63 32.2 27.0 40.4





#7
Phenol-d6
Concen: 71.047 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

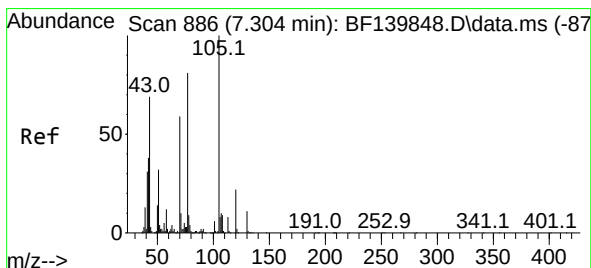
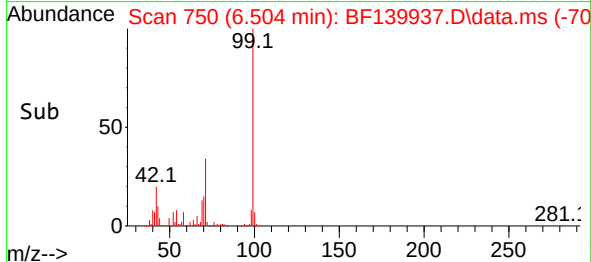
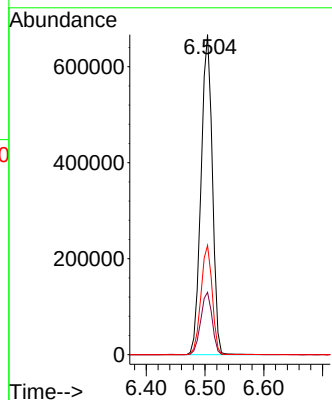
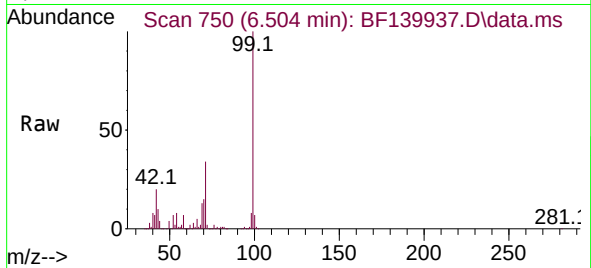
Instrument :

BNA_F

ClientSampleId :

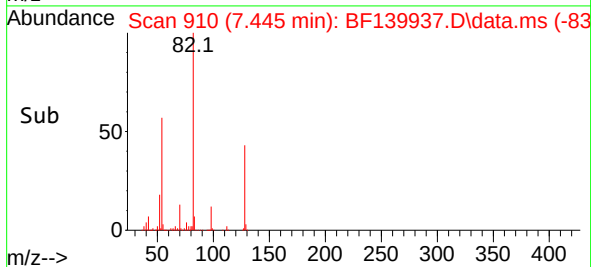
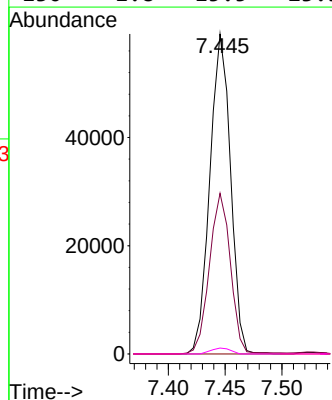
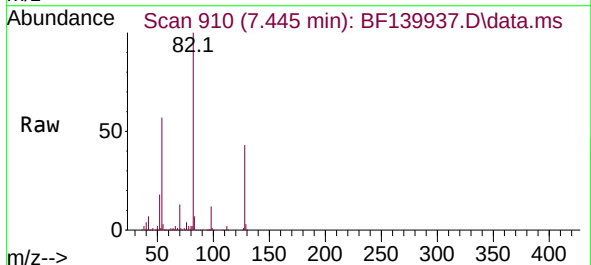
SP-2

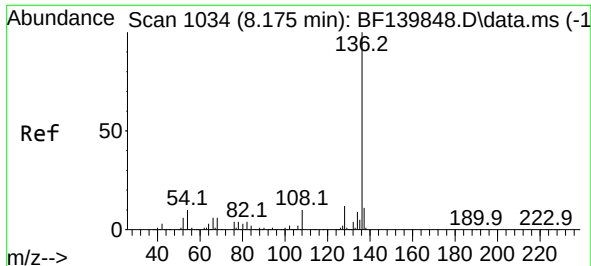
Tgt Ion: 99 Resp: 891767
Ion Ratio Lower Upper
99 100
42 19.5 16.7 25.1
71 34.1 27.7 41.5



#19
n-Nitroso-di-n-propylamine
Concen: 9.849 ng
RT: 7.445 min Scan# 910
Delta R.T. 0.141 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

Tgt Ion: 70 Resp: 74976
Ion Ratio Lower Upper
70 100
42 50.2 51.5 77.3#
101 0.0 7.5 11.3#
130 1.8 15.5 23.3#



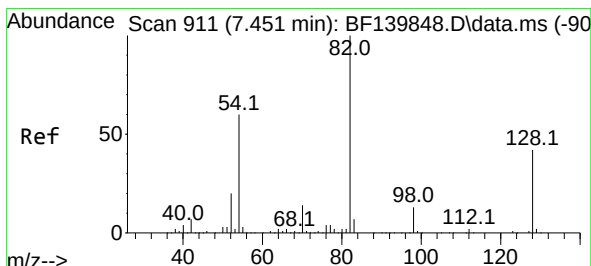
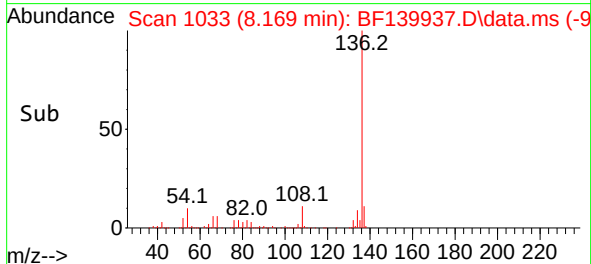
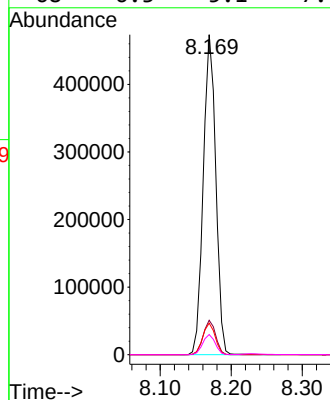
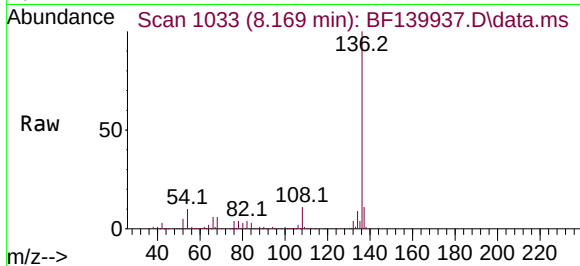


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SP-2

Tgt Ion:136 Resp: 581488

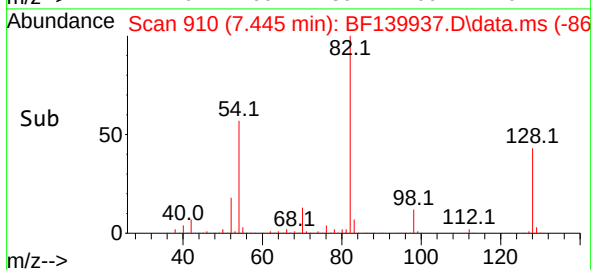
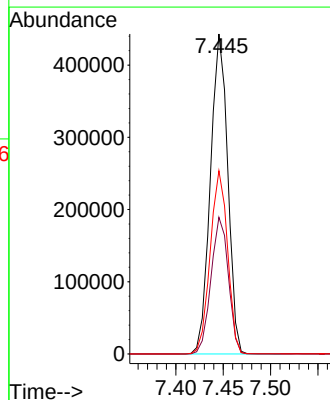
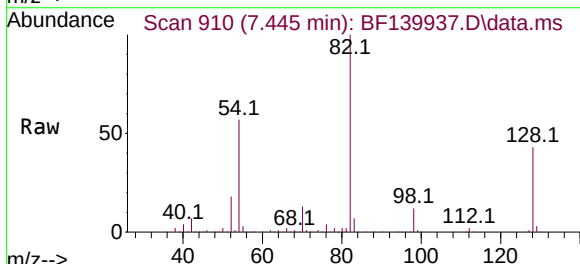
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.6	12.8
54	9.9	8.4	12.6
68	6.3	5.1	7.7

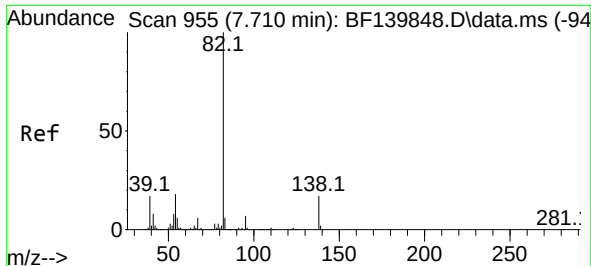


#23
Nitrobenzene-d5
Concen: 53.682 ng
RT: 7.445 min Scan# 910
Delta R.T. -0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

Tgt Ion: 82 Resp: 563214

Ion	Ratio	Lower	Upper
82	100		
128	42.7	33.4	50.0
54	57.2	47.8	71.8

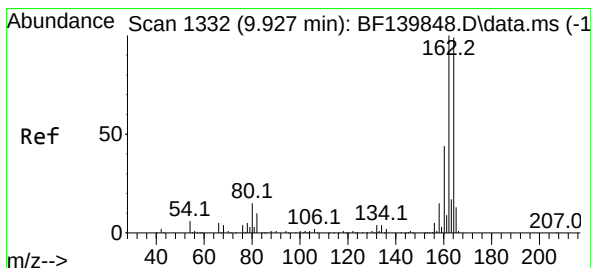
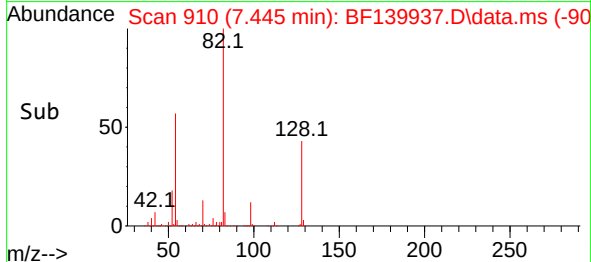
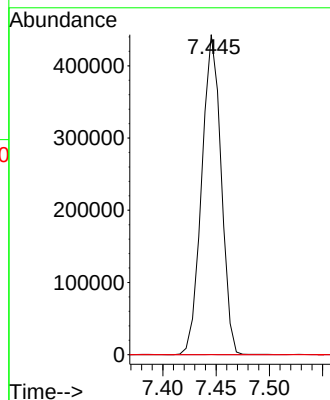
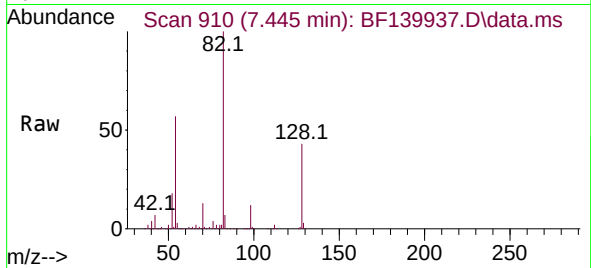




#25
Isophorone
Concen: 28.185 ng
RT: 7.445 min Scan# 91
Delta R.T. -0.265 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

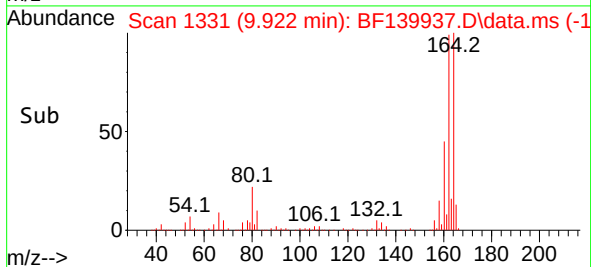
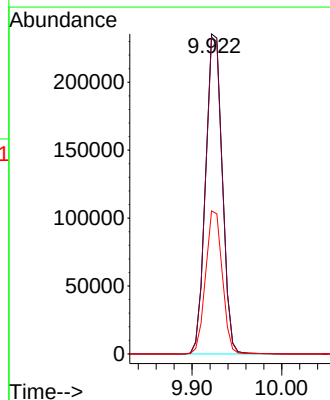
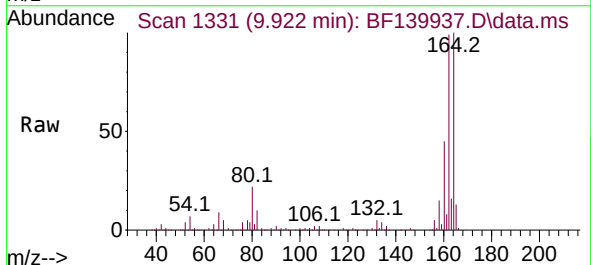
Instrument :
BNA_F
ClientSampleId :
SP-2

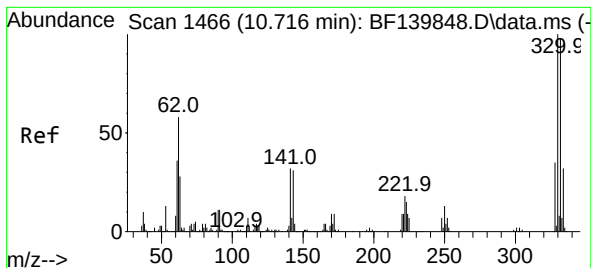
Tgt Ion: 82 Resp: 561250
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.2 19.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.005 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

Tgt Ion: 164 Resp: 304861
Ion Ratio Lower Upper
164 100
162 99.0 81.0 121.4
160 44.7 35.4 53.0

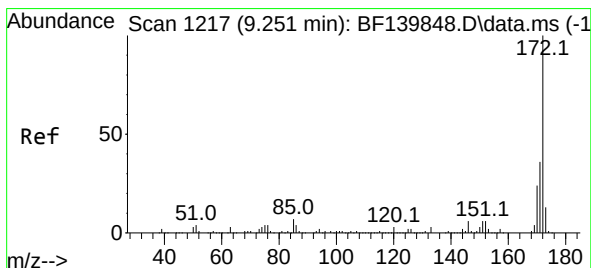
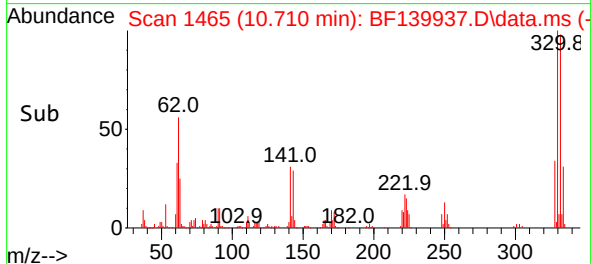
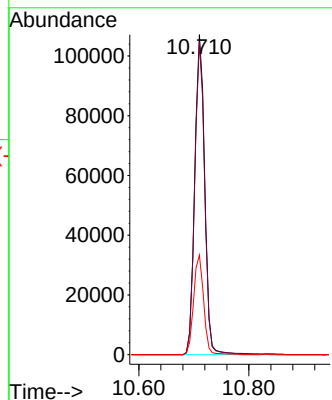
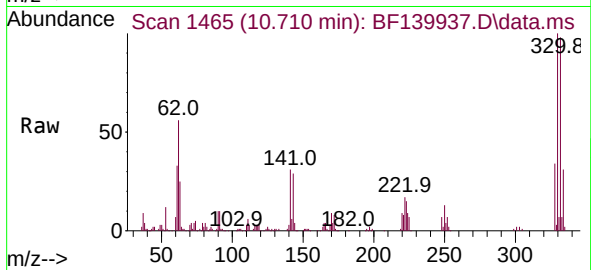




#42
2,4,6-Tribromophenol
Concen: 47.372 ng
RT: 10.710 min Scan# 1466
Delta R.T. -0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

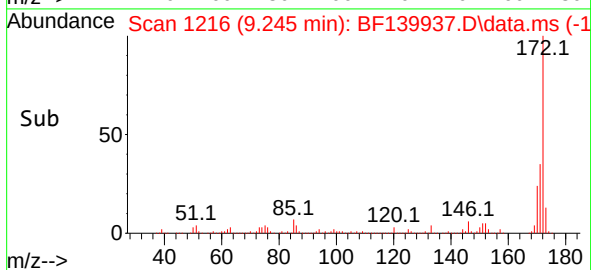
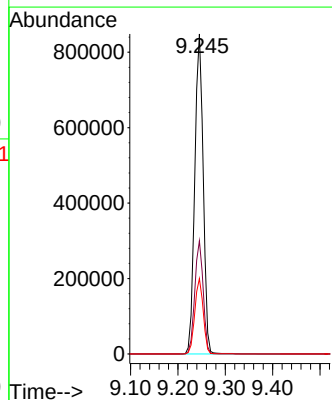
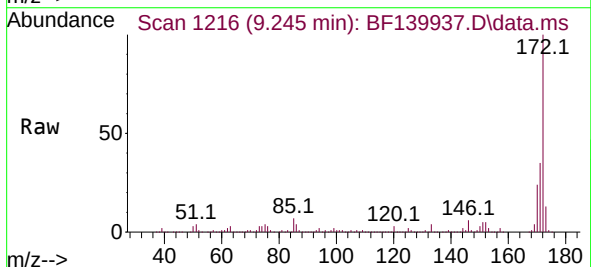
Instrument :
BNA_F
ClientSampleId :
SP-2

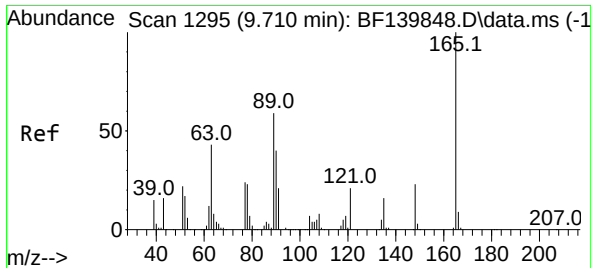
Tgt Ion: 330 Resp: 135085
Ion Ratio Lower Upper
330 100
332 96.8 78.1 117.1
141 31.2 26.6 39.8



#45
2-Fluorobiphenyl
Concen: 57.136 ng
RT: 9.245 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

Tgt Ion: 172 Resp: 1053954
Ion Ratio Lower Upper
172 100
171 35.3 28.6 43.0
170 23.6 19.1 28.7

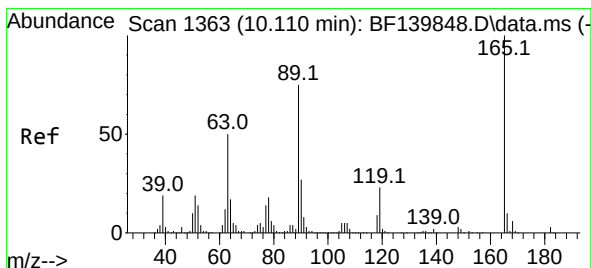
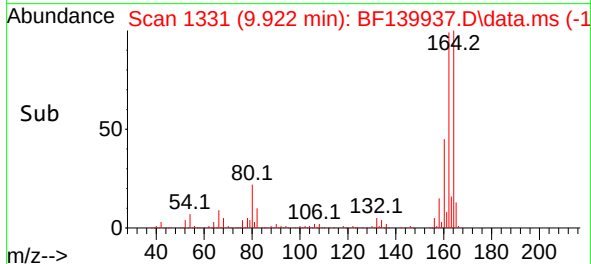
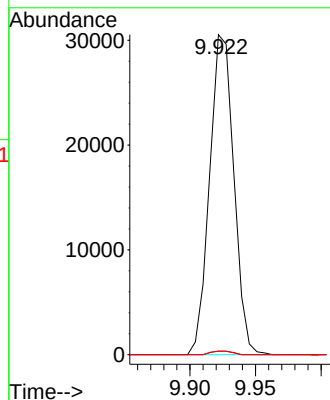
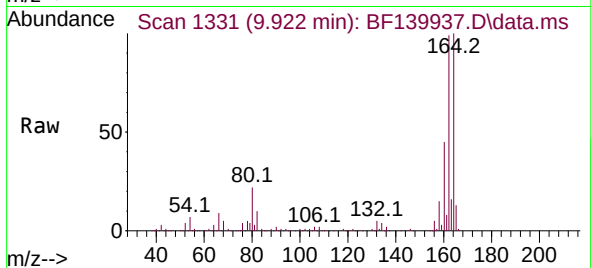




#51
2,6-Dinitrotoluene
Concen: 9.544 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.212 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

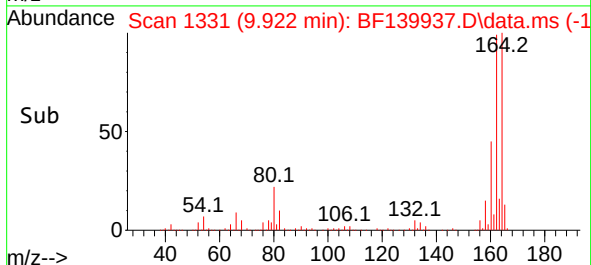
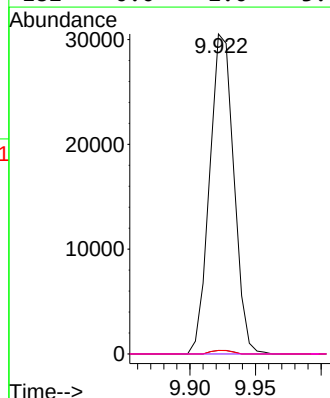
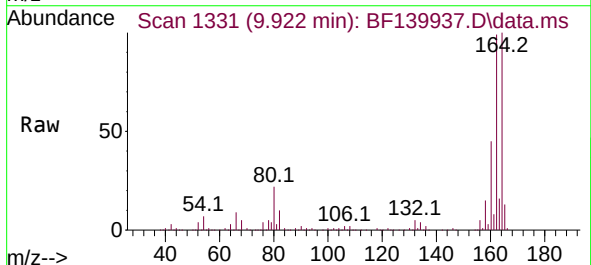
Instrument :
BNA_F
ClientSampleId :
SP-2

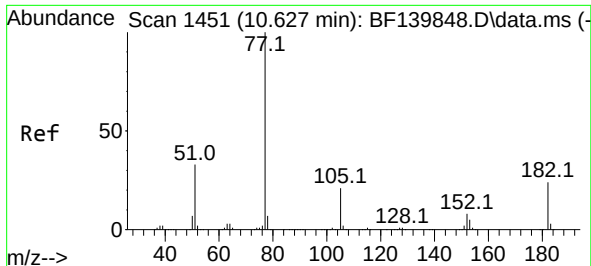
Tgt Ion:165 Resp: 39239
Ion Ratio Lower Upper
165 100
63 1.1 50.6 75.8#
89 1.1 47.5 71.3#



#57
2,4-Dinitrotoluene
Concen: 7.761 ng
RT: 9.922 min Scan# 1331
Delta R.T. -0.188 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

Tgt Ion:165 Resp: 39239
Ion Ratio Lower Upper
165 100
63 1.1 40.1 60.1#
89 1.1 60.4 90.6#
182 0.0 2.0 3.0#

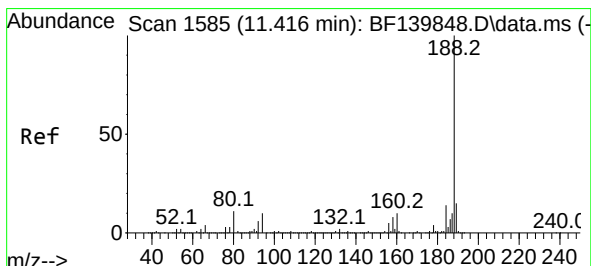
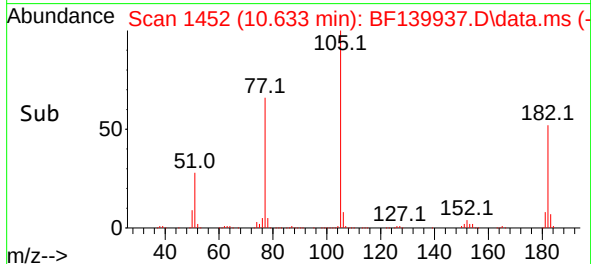
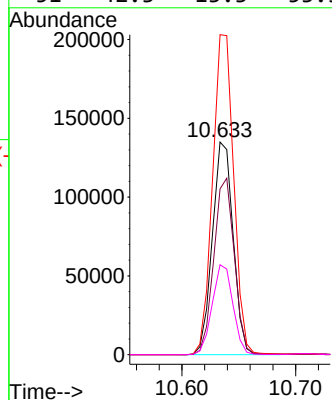
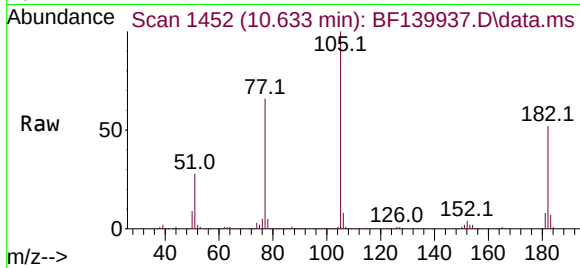




#63
Azobenzene
Concen: 8.692 ng
RT: 10.633 min Scan# 1451
Delta R.T. 0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

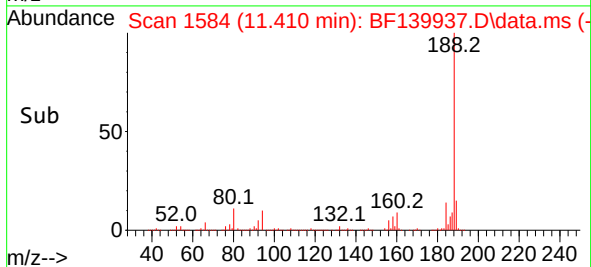
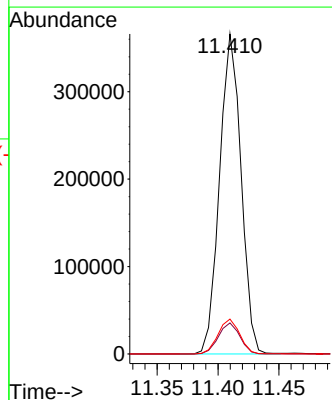
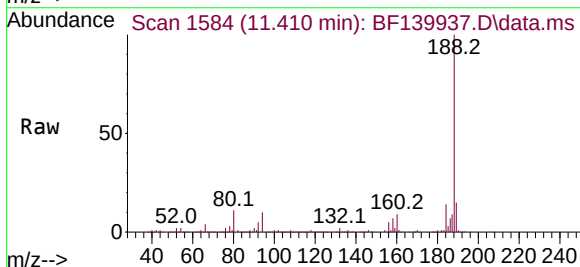
Instrument :
BNA_F
ClientSampleId :
SP-2

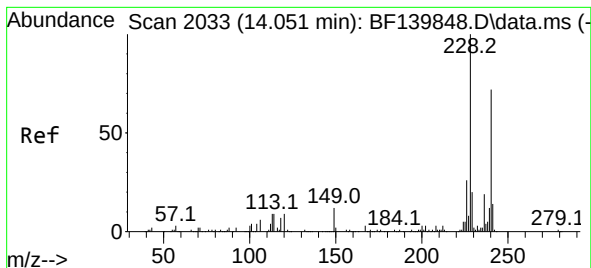
Tgt Ion: 77 Resp: 171810
Ion Ratio Lower Upper
77 100
182 77.9 3.3 43.3#
105 150.5 1.2 41.2#
51 42.3 13.3 53.3



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.006 min
Lab File: BF139937.D
Acq: 22 Oct 2024 19:25

Tgt Ion: 188 Resp: 449838
Ion Ratio Lower Upper
188 100
94 9.7 7.9 11.9
80 10.9 9.0 13.4





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 2032

Delta R.T. -0.006 min

Lab File: BF139937.D

Acq: 22 Oct 2024 19:25

Instrument :

BNA_F

ClientSampleId :

SP-2

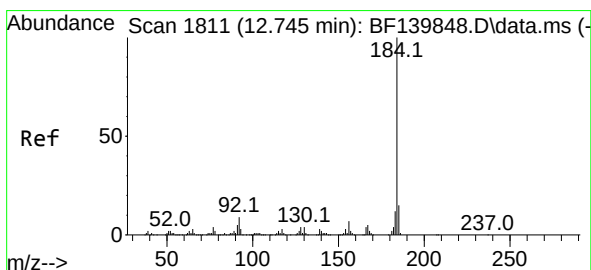
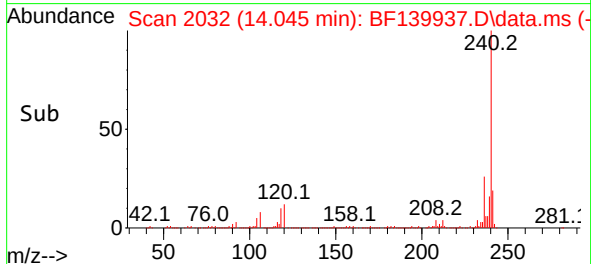
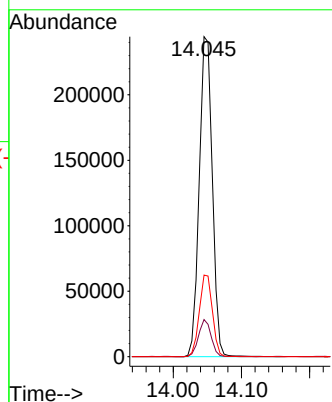
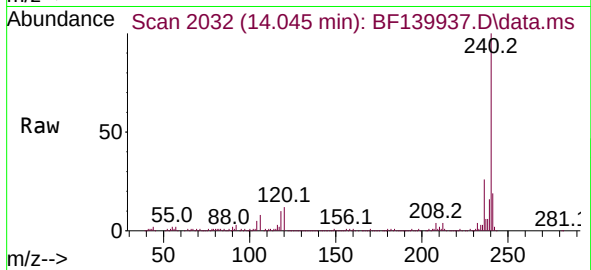
Tgt Ion:240 Resp: 325843

Ion Ratio Lower Upper

240 100

120 11.6 9.4 14.2

236 25.5 20.9 31.3



#77

Benzidine

Concen: 2.033 ng

RT: 12.992 min Scan# 1853

Delta R.T. 0.247 min

Lab File: BF139937.D

Acq: 22 Oct 2024 19:25

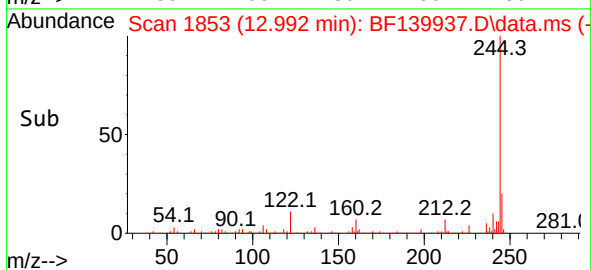
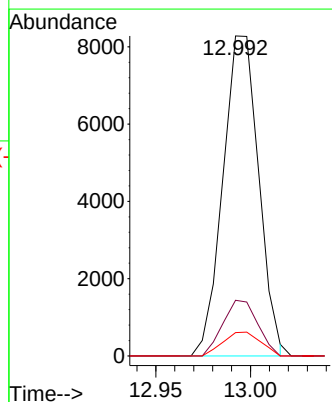
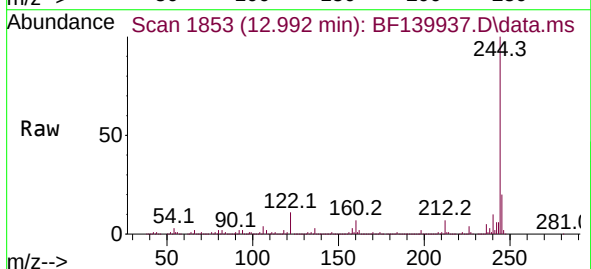
Tgt Ion:184 Resp: 10891

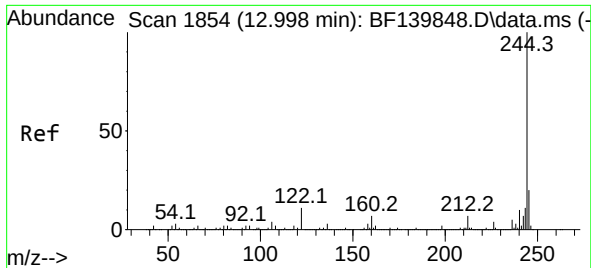
Ion Ratio Lower Upper

184 100

185 17.4 12.0 18.0

183 7.3 9.4 14.2#

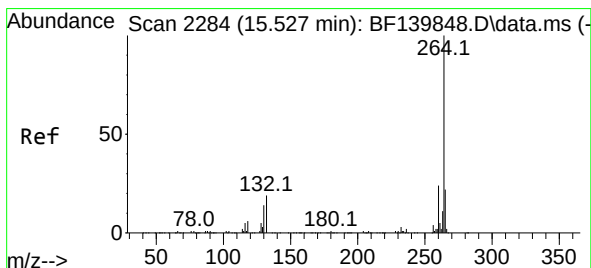
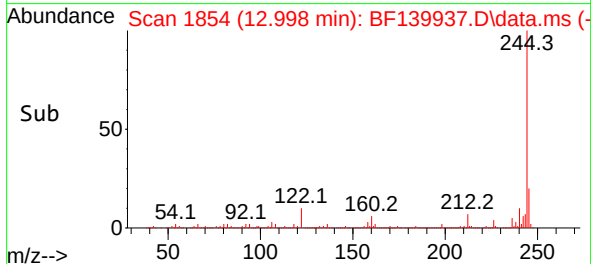
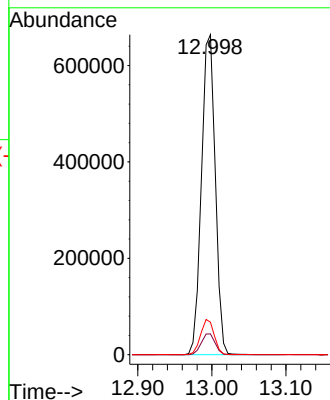
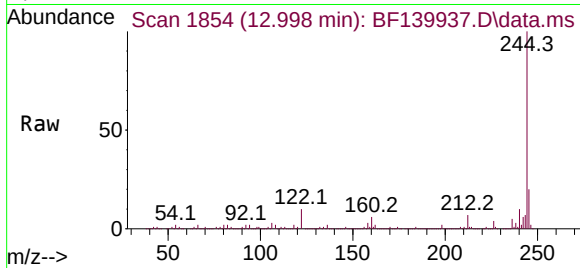




#79
 Terphenyl-d14
 Concen: 42.977 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF139937.D
 Acq: 22 Oct 2024 19:25

Instrument :
 BNA_F
 ClientSampleId :
 SP-2

Tgt Ion:244 Resp: 859406
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.7 8.5
 122 10.2 8.6 13.0



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.527 min Scan# 2284
 Delta R.T. 0.000 min
 Lab File: BF139937.D
 Acq: 22 Oct 2024 19:25

Tgt Ion:264 Resp: 359851
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.2
 265 21.8 17.4 26.0

