

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142737.D
 Acq On : 11 Jun 2025 16:19
 Operator : RC/JU
 Sample : Q2268-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 11 17:27:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

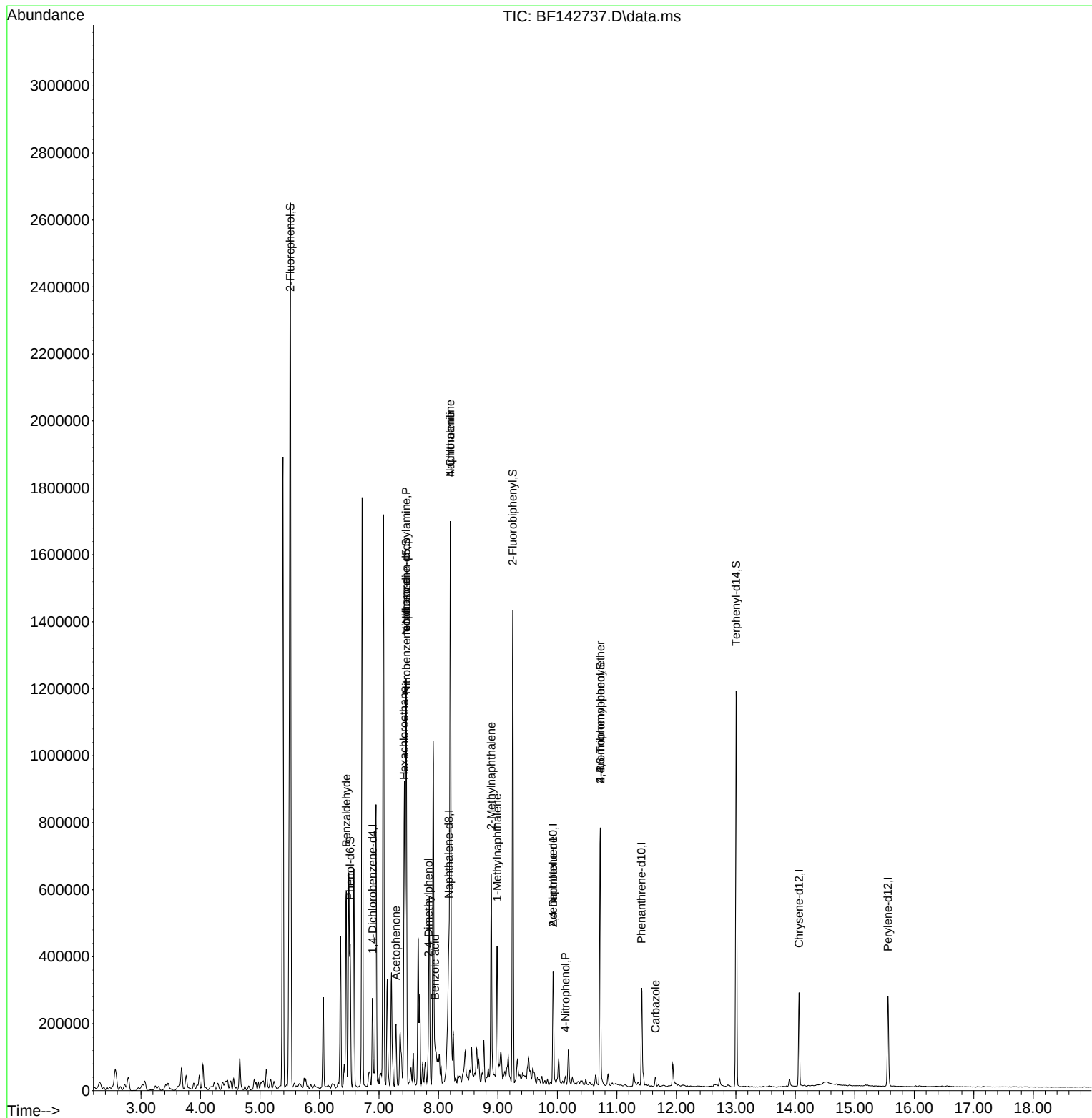
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	56892	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	199628	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	99393	20.000	ng	-0.01
64) Phenanthrene-d10	11.416	188	152945	20.000	ng	0.00
76) Chrysene-d12	14.063	240	136283	20.000	ng	0.00
86) Perylene-d12	15.557	264	159449	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	207603	62.149	ng	0.00
7) Phenol-d6	6.516	99	180460	45.905	ng	0.00
23) Nitrobenzene-d5	7.457	82	299231	82.034	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	133928	122.945	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	630926	84.334	ng	0.00
79) Terphenyl-d14	13.004	244	582138	58.667	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.451	77	36955	15.180	ng	# 1
18) Hexachloroethane	7.422	117	93717	62.113	ng	# 1
19) n-Nitroso-di-n-propyla...	7.457	70	41360	16.526	ng	# 79
22) Acetophenone	7.287	105	107039	24.105	ng	# 56
24) Nitrobenzene	7.463	77	13118	4.052	ng	# 1
25) Isophorone	7.457	82	296125	47.947	ng	# 63
27) 2,4-Dimethylphenol	7.834	122	11273	3.665	ng	95
31) Naphthalene	8.198	128	1023762	103.695	ng	99
32) Benzoic acid	7.940	122	13009	7.509	ng	# 70
33) 4-Chloroaniline	8.198	127	139673	35.235	ng	# 32
37) 2-Methylnaphthalene	8.887	142	232898	37.270	ng	100
38) 1-Methylnaphthalene	8.987	142	132188	20.420	ng	99
56) 4-Nitrophenol	10.134	139	3100	2.938	ng	# 24
57) 2,4-Dinitrotoluene	9.928	165	13747	7.248	ng	# 31
67) 4-Bromophenyl-phenylether	10.722	248	8675	4.805	ng	# 1
73) Carbazole	11.651	167	16361	2.306	ng	100

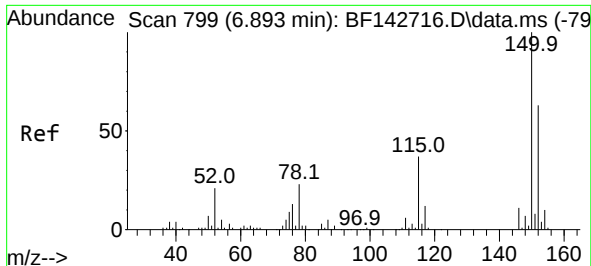
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
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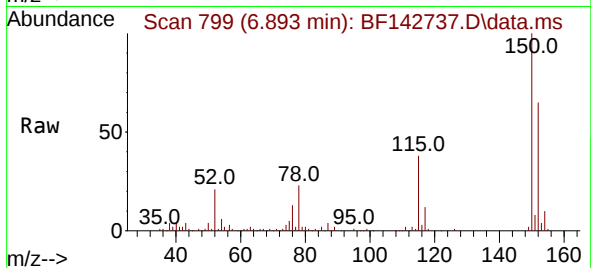
Quant Time: Jun 11 17:27:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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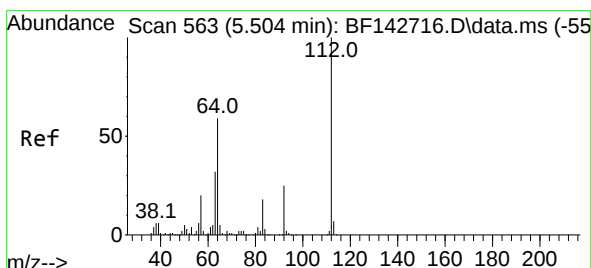
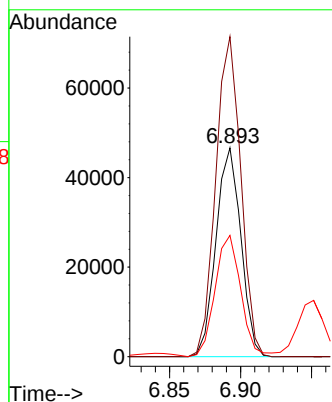
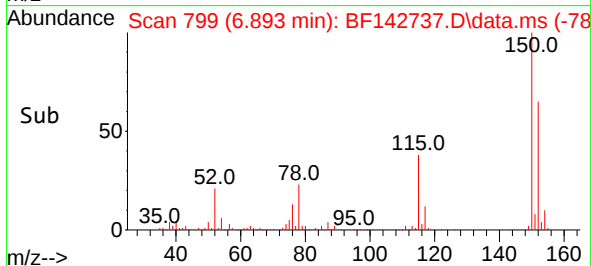


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 799
Delta R.T. -0.000 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

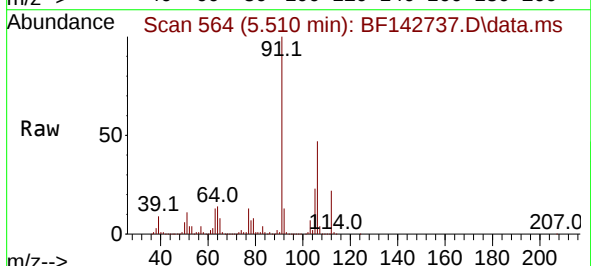
Instrument :
BNA_F
ClientSampleId :



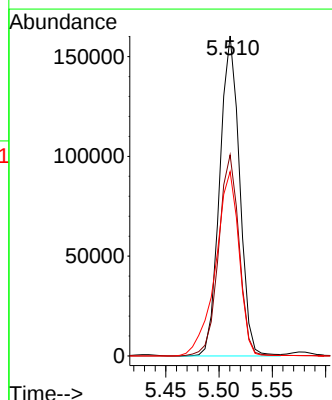
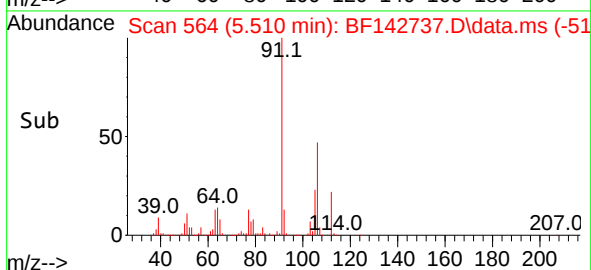
Tgt Ion:152 Resp: 56892
Ion Ratio Lower Upper
152 100
150 153.3 126.9 190.3
115 58.1 47.0 70.6

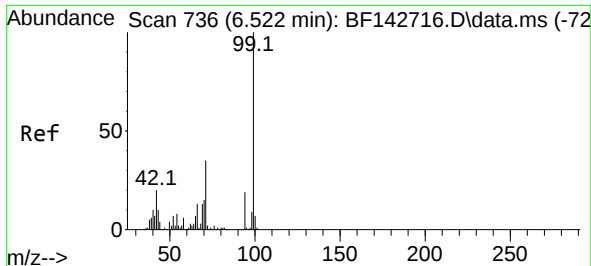


#5
2-Fluorophenol
Concen: 62.149 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19



Tgt Ion:112 Resp: 207603
Ion Ratio Lower Upper
112 100
64 62.9 47.4 71.2
63 57.6 25.4 38.0





#7

Phenol-d6

Concen: 45.905 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

Instrument :

BNA_F

ClientSampleId :

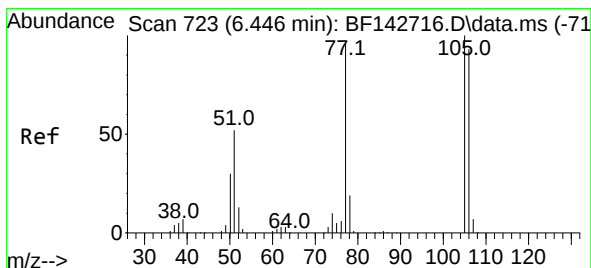
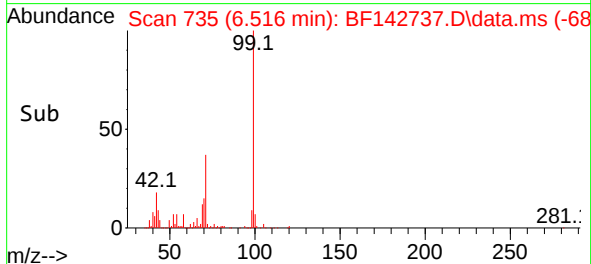
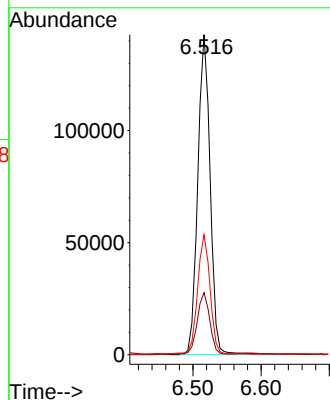
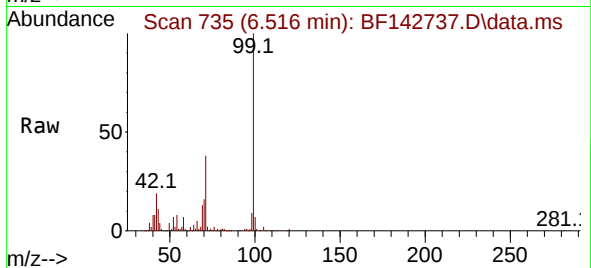
Tgt Ion: 99 Resp: 180460

Ion Ratio Lower Upper

99 100

42 19.4 15.9 23.9

71 37.5 28.0 42.0



#9

Benzaldehyde

Concen: 15.180 ng

RT: 6.451 min Scan# 724

Delta R.T. 0.005 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

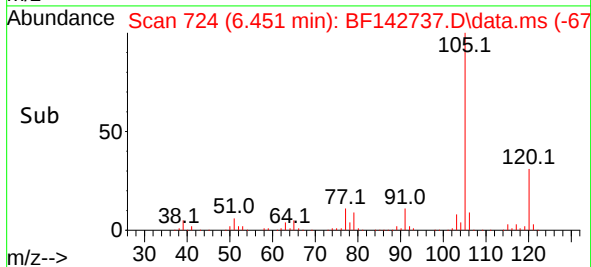
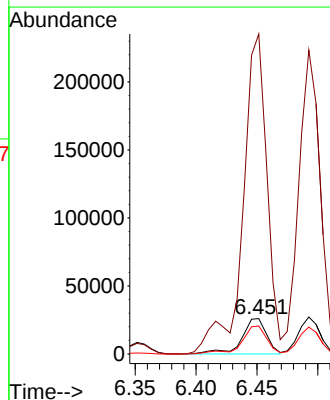
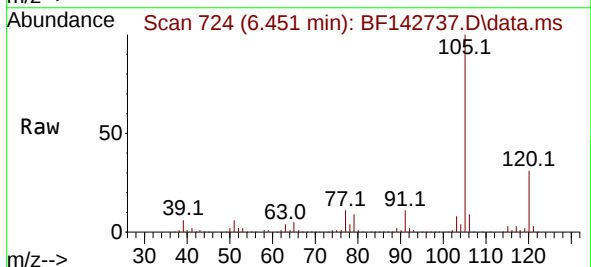
Tgt Ion: 77 Resp: 36955

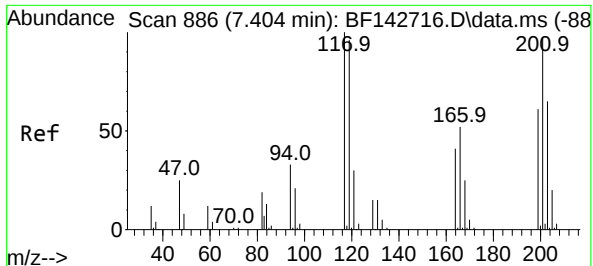
Ion Ratio Lower Upper

77 100

105 906.3 84.1 124.1#

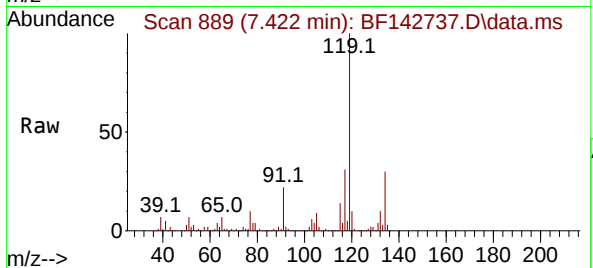
106 79.2 77.2 117.2



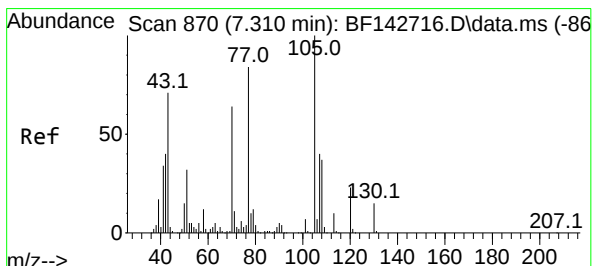
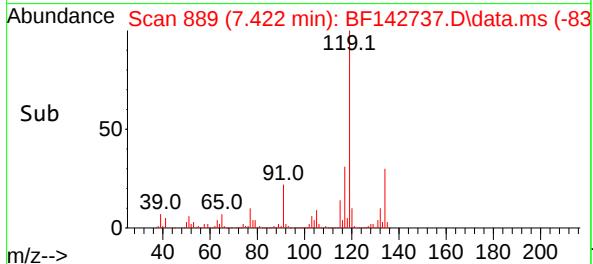
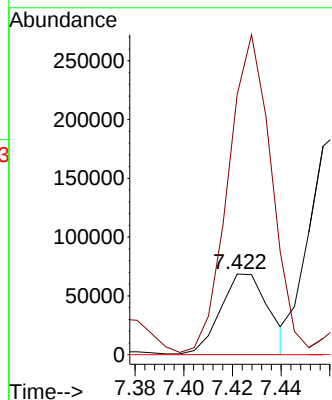


#18
 Hexachloroethane
 Concen: 62.113 ng
 RT: 7.422 min Scan# 886
 Delta R.T. 0.018 min
 Lab File: BF142737.D
 Acq: 11 Jun 2025 16:19

Instrument :
 BNA_F
 ClientSampleId :

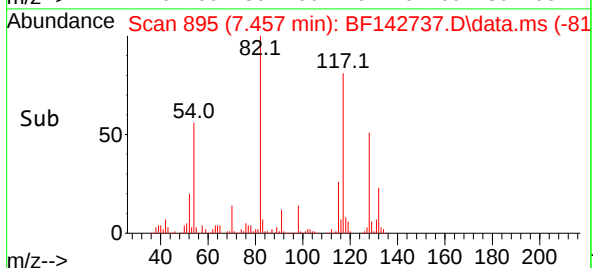
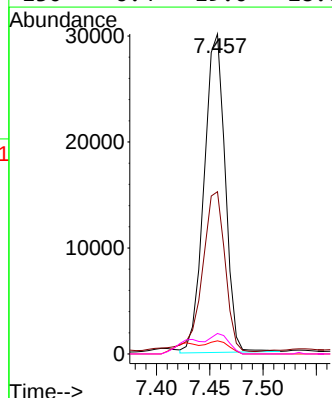
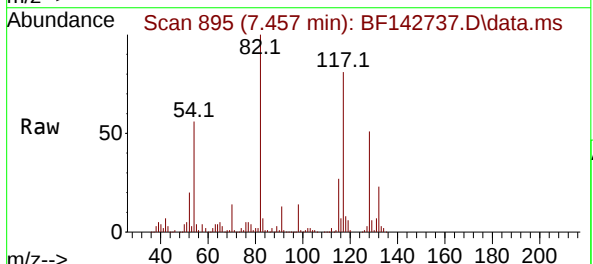


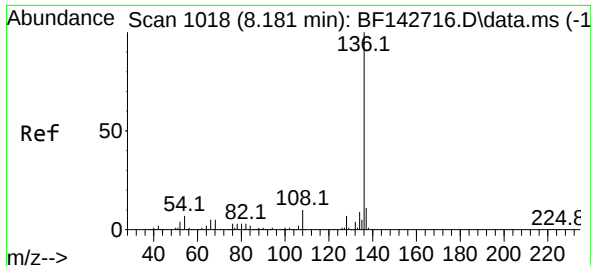
Tgt Ion: 117 Resp: 93717
 Ion Ratio Lower Upper
 117 100
 119 322.6 76.4 114.6#
 201 0.0 77.8 116.6#



#19
 n-Nitroso-di-n-propylamine
 Concen: 16.526 ng
 RT: 7.457 min Scan# 895
 Delta R.T. 0.147 min
 Lab File: BF142737.D
 Acq: 11 Jun 2025 16:19

Tgt Ion: 70 Resp: 41360
 Ion Ratio Lower Upper
 70 100
 42 50.7 50.2 75.4
 101 4.1 8.3 12.5#
 130 6.4 19.0 28.6#

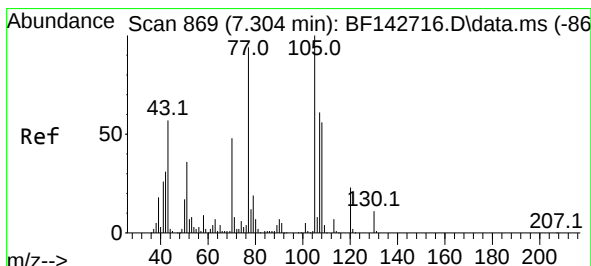
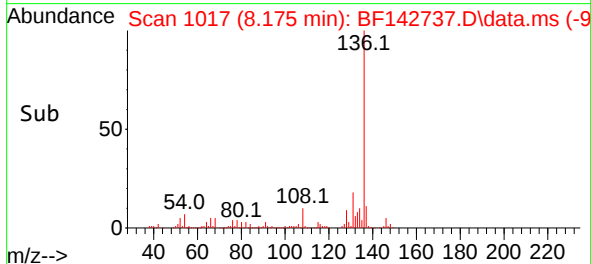
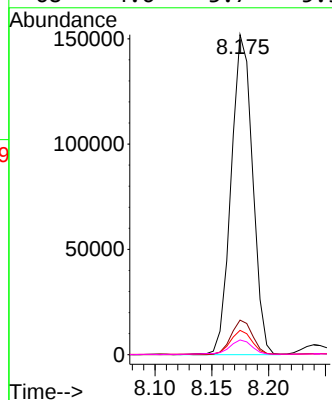
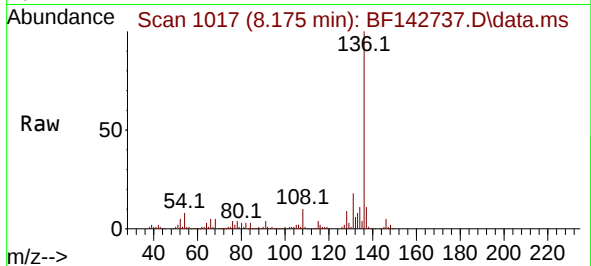




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

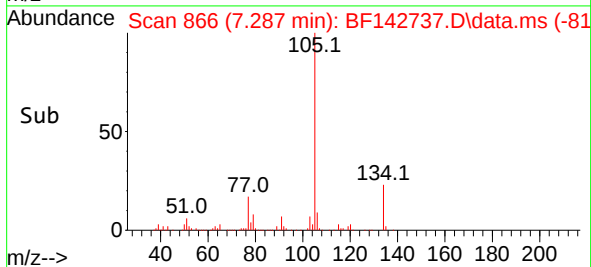
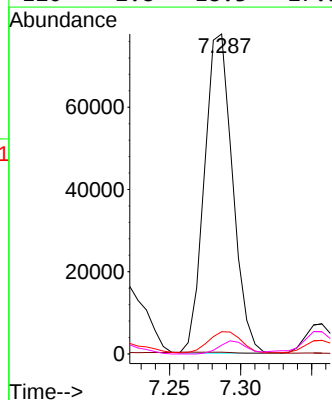
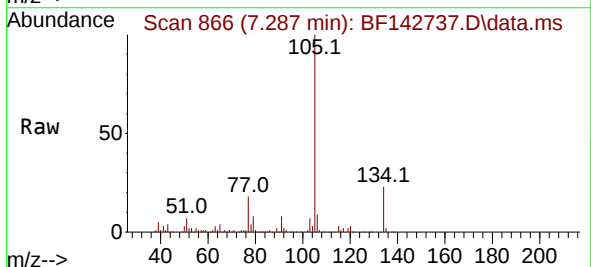
Instrument :
BNA_F
ClientSampleId :

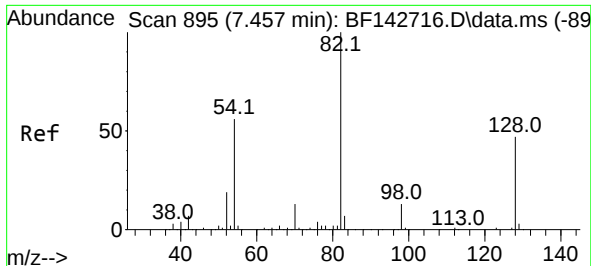
Tgt Ion:136 Resp: 199628
Ion Ratio Lower Upper
136 100
137 10.8 8.7 13.1
54 7.6 5.9 8.9
68 4.6 3.7 5.5



#22
Acetophenone
Concen: 24.105 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

Tgt Ion:105 Resp: 107039
Ion Ratio Lower Upper
105 100
71 0.5 6.4 9.6#
51 6.9 29.1 43.7#
120 2.8 18.3 27.5#





#23

Nitrobenzene-d5

Concen: 82.034 ng

RT: 7.457 min Scan# 895

Delta R.T. 0.000 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

Instrument :

BNA_F

ClientSampleId :

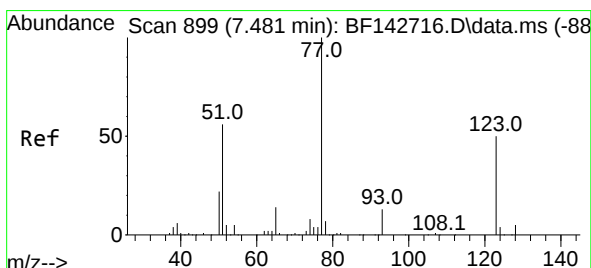
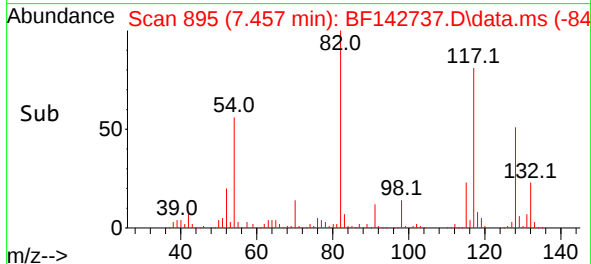
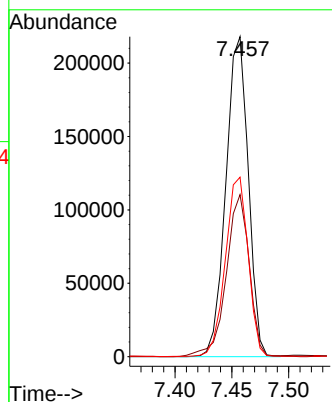
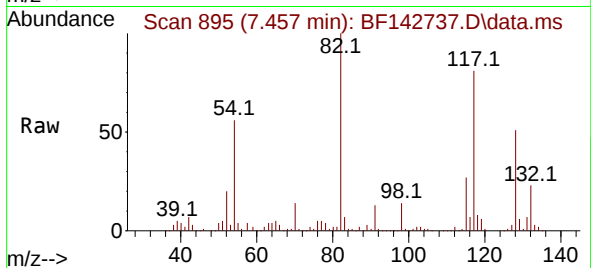
Tgt Ion: 82 Resp: 299231

Ion Ratio Lower Upper

82 100

128 50.7 37.8 56.8

54 56.1 44.9 67.3



#24

Nitrobenzene

Concen: 4.052 ng

RT: 7.463 min Scan# 896

Delta R.T. -0.018 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

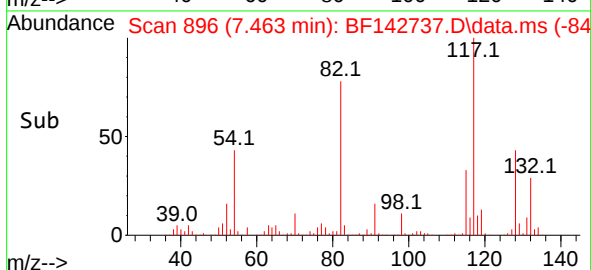
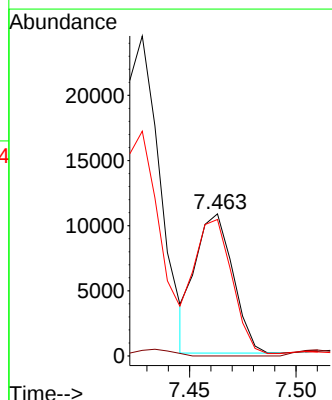
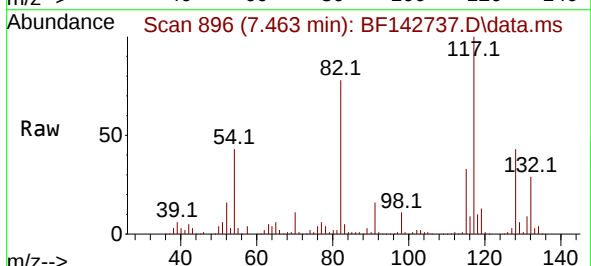
Tgt Ion: 77 Resp: 13118

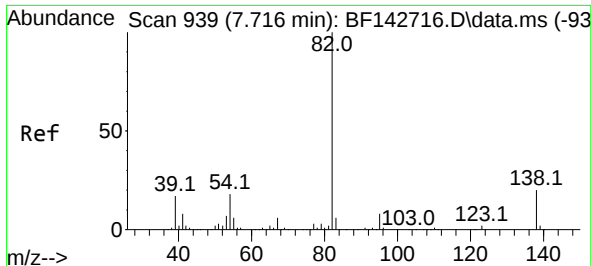
Ion Ratio Lower Upper

77 100

123 0.0 40.8 61.2#

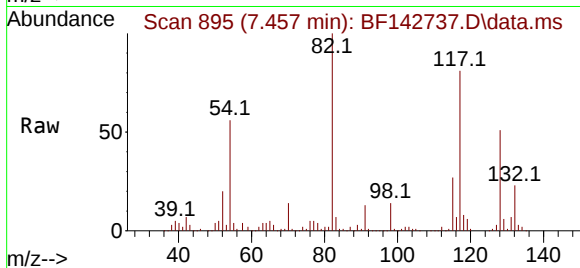
65 96.0 11.5 17.3#



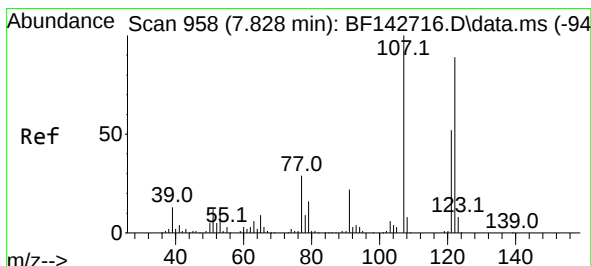
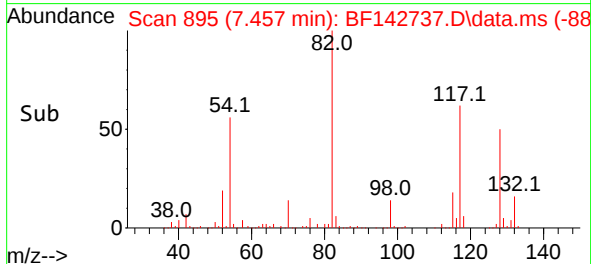
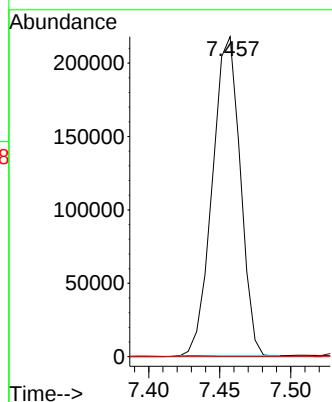


#25
Isophorone
Concen: 47.947 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.259 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

Instrument :
BNA_F
ClientSampleId :

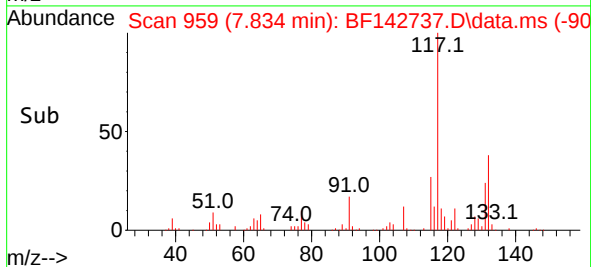
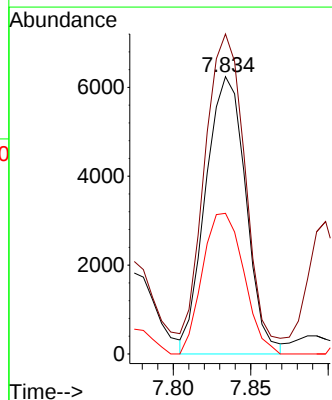
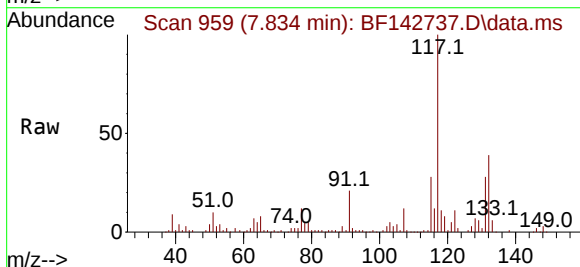


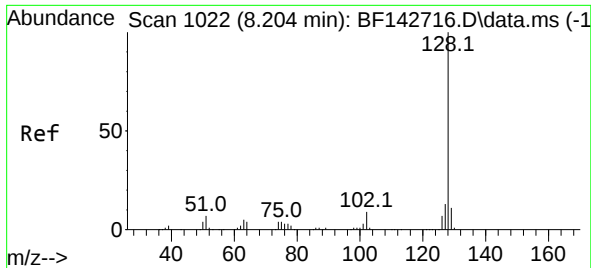
Tgt Ion: 82 Resp: 296125
Ion Ratio Lower Upper
82 100
95 0.1 6.0 9.0#
138 0.0 15.8 23.6#



#27
2,4-Dimethylphenol
Concen: 3.665 ng
RT: 7.834 min Scan# 959
Delta R.T. 0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

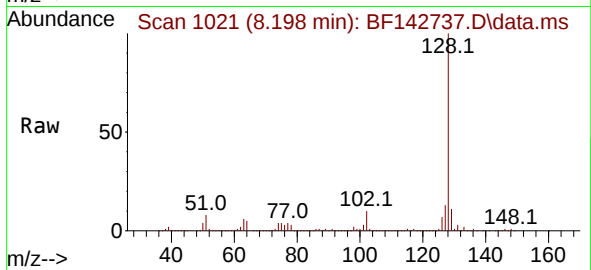
Tgt Ion:122 Resp: 11273
Ion Ratio Lower Upper
122 100
107 115.4 90.4 135.6
121 50.8 46.9 70.3



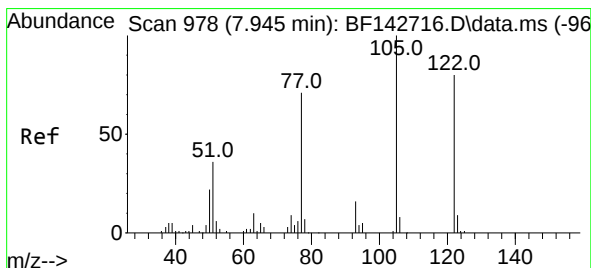
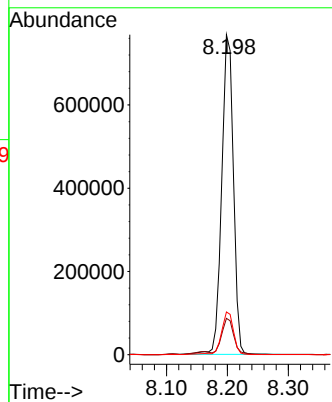
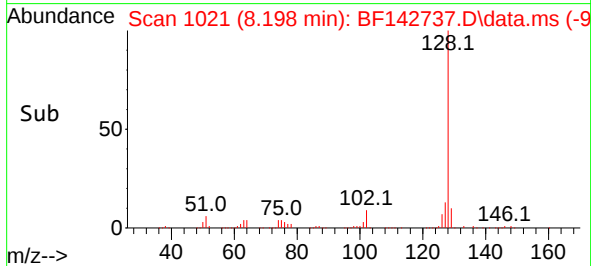


#31
Naphthalene
Concen: 103.695 ng
RT: 8.198 min Scan# 1021
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

Instrument :
BNA_F
ClientSampleId :

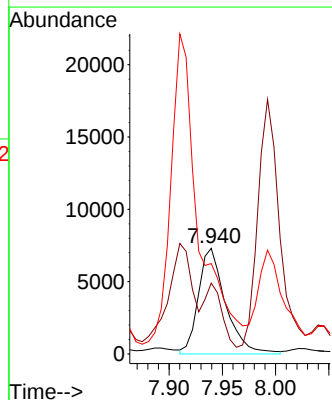
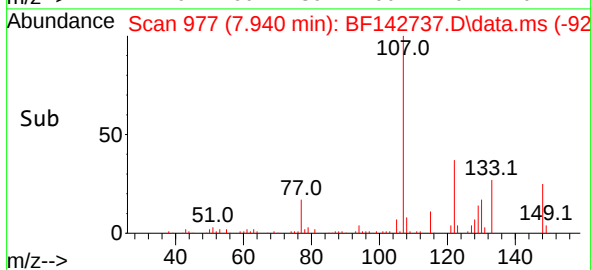
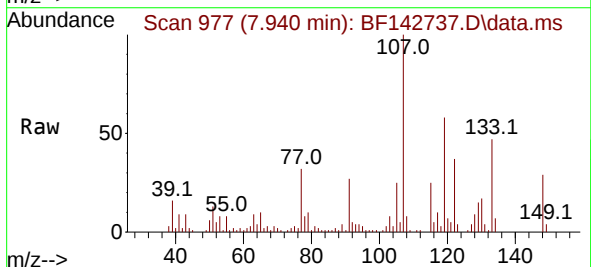


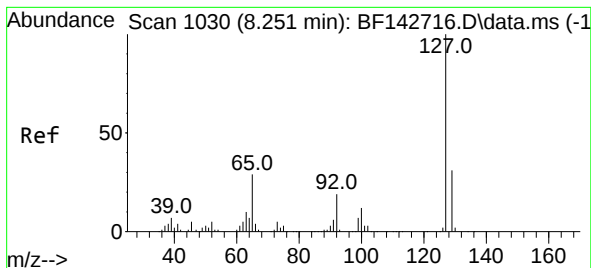
Tgt Ion:128 Resp: 1023762
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.3 10.4 15.6



#32
Benzoic acid
Concen: 7.509 ng
RT: 7.940 min Scan# 977
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

Tgt Ion:122 Resp: 13009
Ion Ratio Lower Upper
122 100
105 67.1 102.6 142.6#
77 85.6 68.2 108.2





#33

4-Chloroaniline

Concen: 35.235 ng

RT: 8.198 min Scan# 1

Delta R.T. -0.053 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:127 Resp: 139673

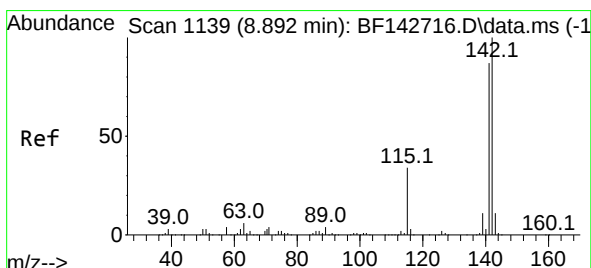
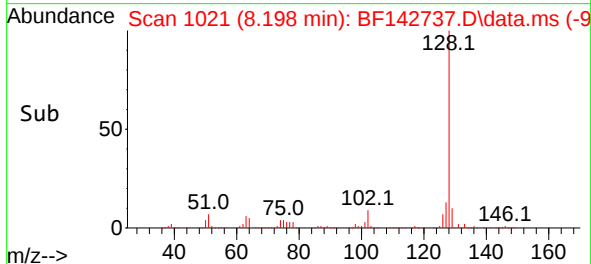
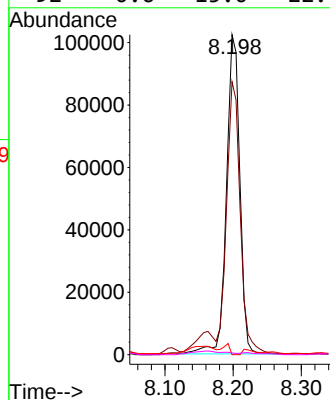
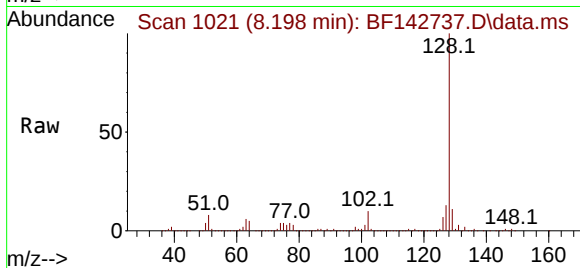
Ion Ratio Lower Upper

127 100

129 85.3 25.6 38.4#

65 0.0 23.0 34.4#

92 0.6 15.0 22.4#



#37

2-Methylnaphthalene

Concen: 37.270 ng

RT: 8.887 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BF142737.D

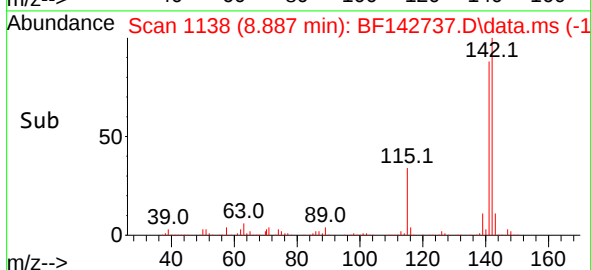
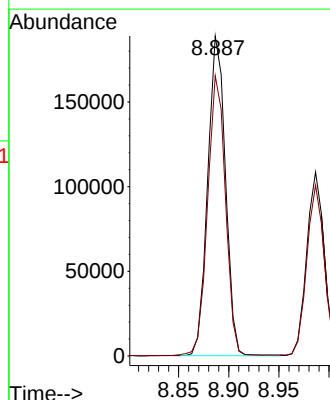
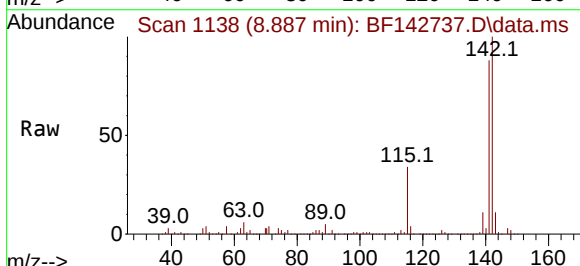
Acq: 11 Jun 2025 16:19

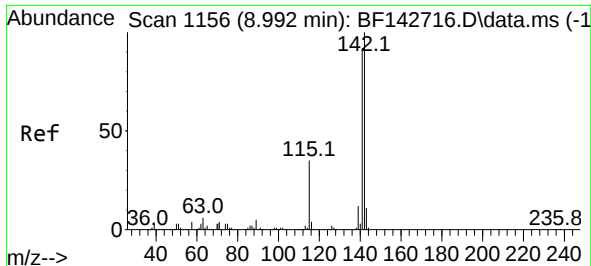
Tgt Ion:142 Resp: 232898

Ion Ratio Lower Upper

142 100

141 87.5 69.9 104.9

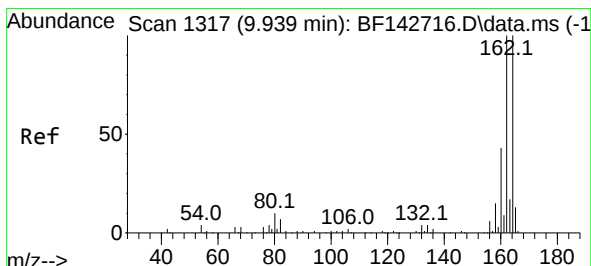
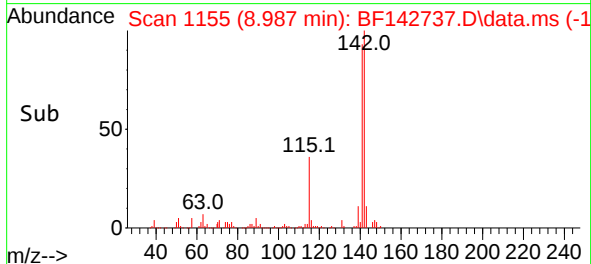
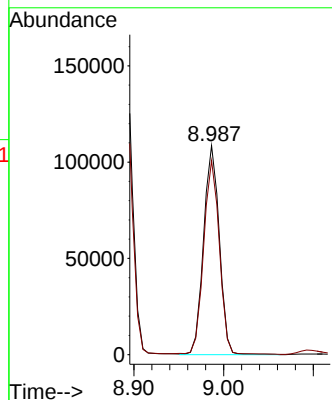
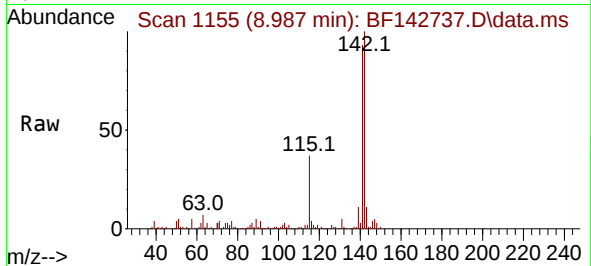




#38
1-Methylnaphthalene
Concen: 20.420 ng
RT: 8.987 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

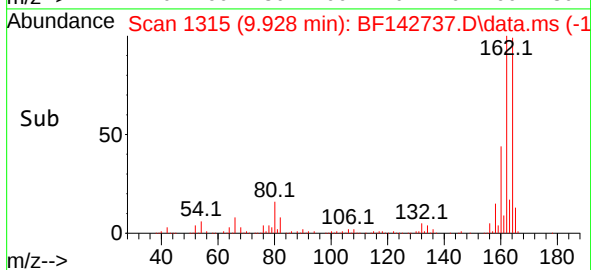
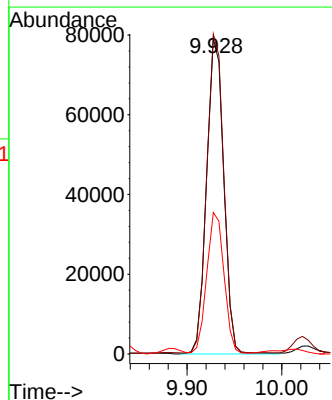
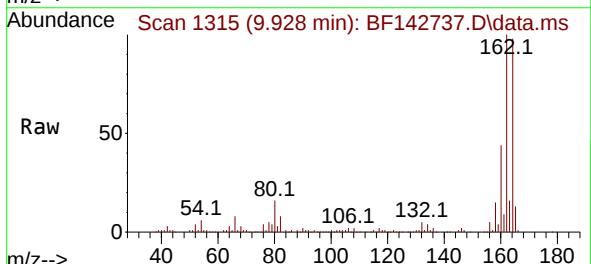
Instrument :
BNA_F
ClientSampleId :

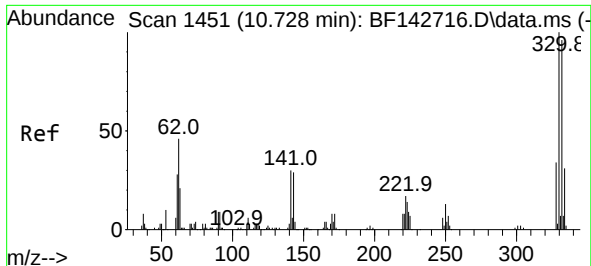
Tgt Ion:142 Resp: 132188
Ion Ratio Lower Upper
142 100
141 92.8 73.5 110.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

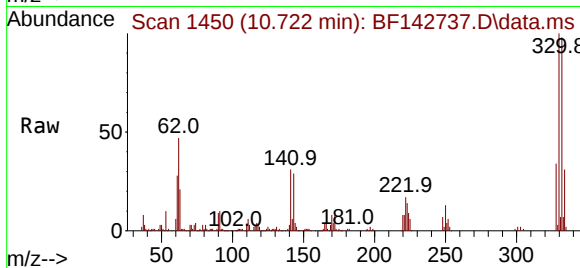
Tgt Ion:164 Resp: 99393
Ion Ratio Lower Upper
164 100
162 101.5 79.9 119.9
160 44.9 34.8 52.2



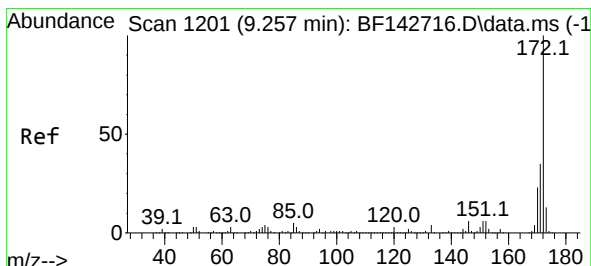
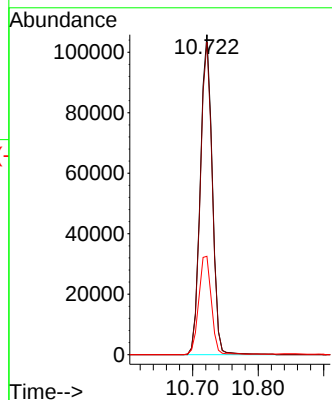
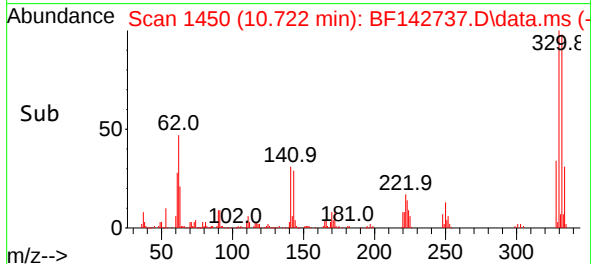


#42
2,4,6-Tribromophenol
Concen: 122.945 ng
RT: 10.722 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

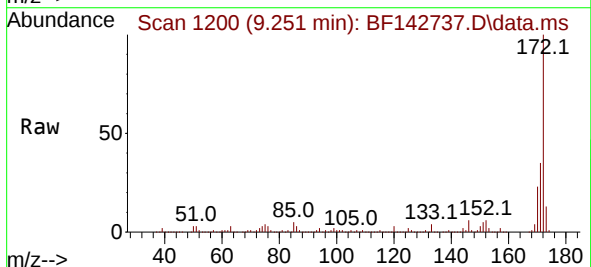
Instrument :
BNA_F
ClientSampleId :



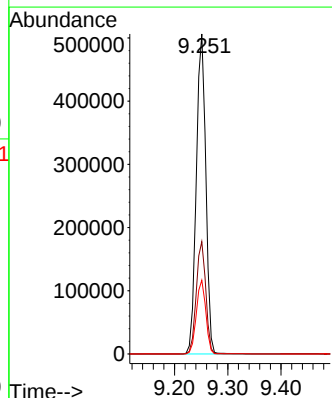
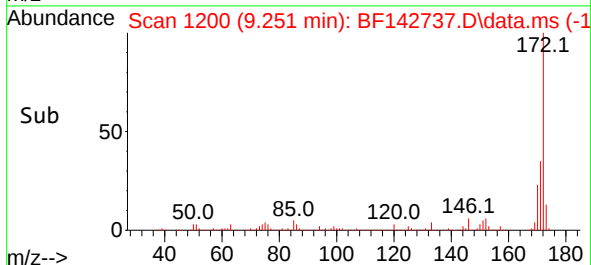
Tgt Ion:330 Resp: 133928
Ion Ratio Lower Upper
330 100
332 97.2 77.0 115.6
141 32.7 25.4 38.0

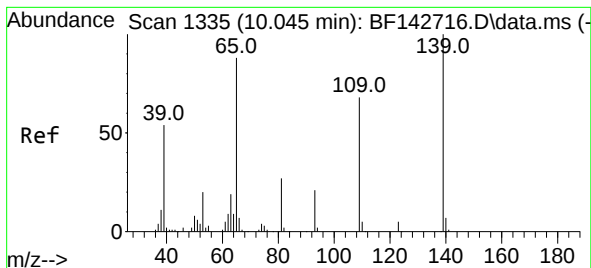


#45
2-Fluorobiphenyl
Concen: 84.334 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19



Tgt Ion:172 Resp: 630926
Ion Ratio Lower Upper
172 100
171 35.1 28.1 42.1
170 23.0 18.6 27.8

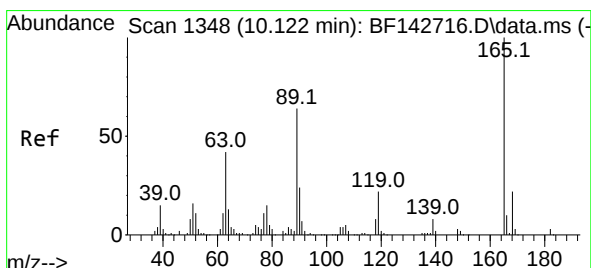
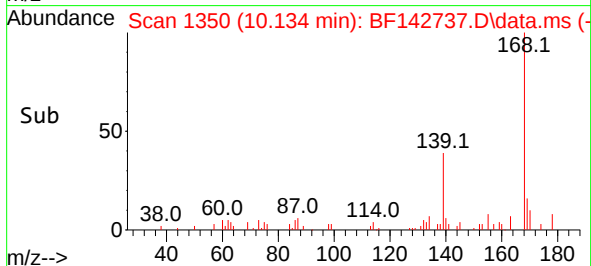
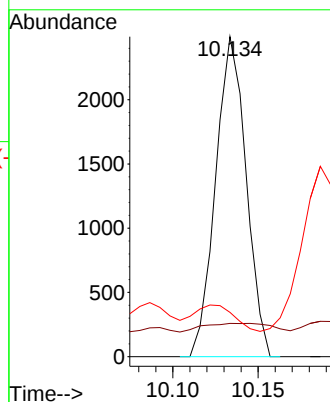
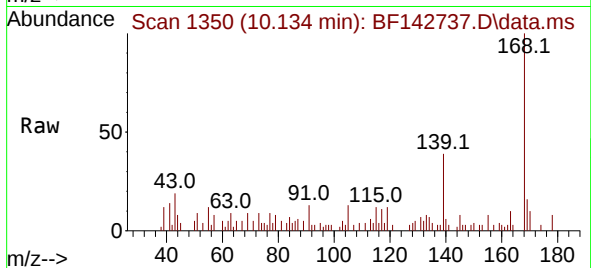




#56
4-Nitrophenol
Concen: 2.938 ng
RT: 10.134 min Scan# 1315
Delta R.T. 0.088 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

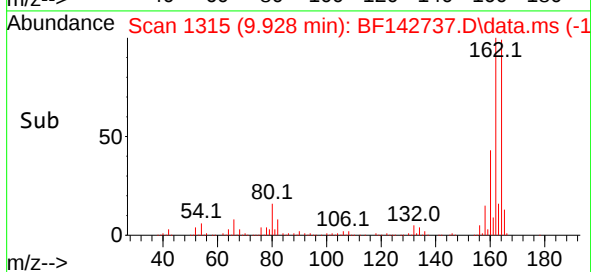
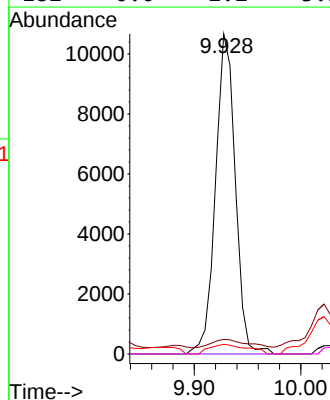
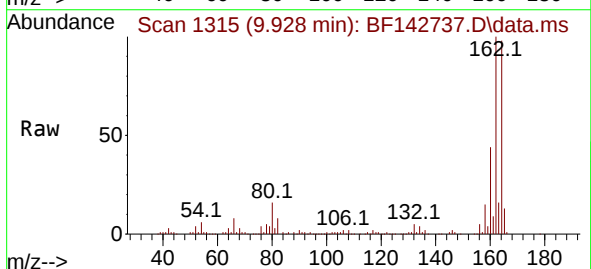
Instrument :
BNA_F
ClientSampleId :

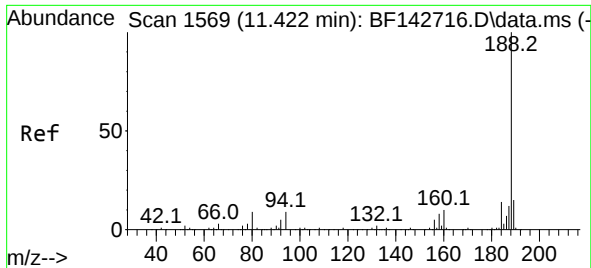
Tgt Ion:139 Resp: 3100
Ion Ratio Lower Upper
139 100
109 10.4 47.5 87.5#
65 13.8 69.2 109.2#



#57
2,4-Dinitrotoluene
Concen: 7.248 ng
RT: 9.928 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

Tgt Ion:165 Resp: 13747
Ion Ratio Lower Upper
165 100
63 4.6 34.1 51.1#
89 3.0 50.8 76.2#
182 0.0 2.2 3.2#

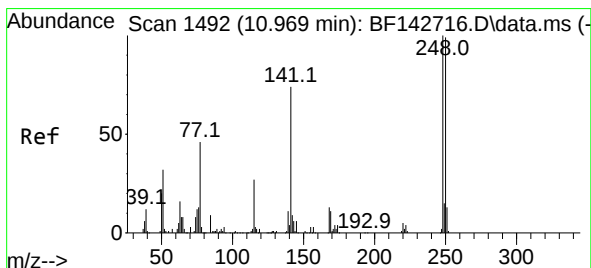
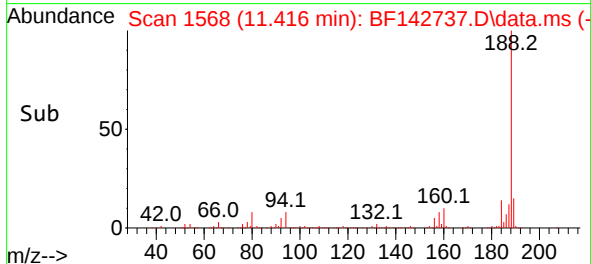
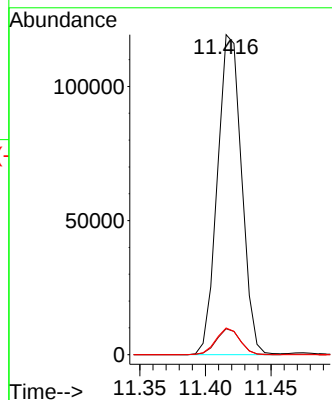
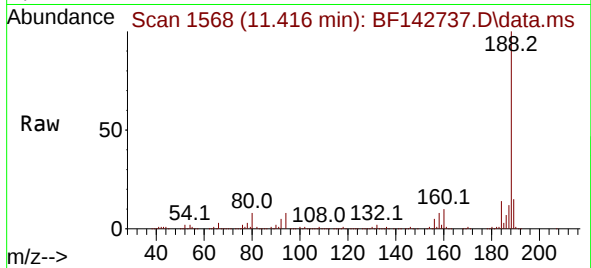




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

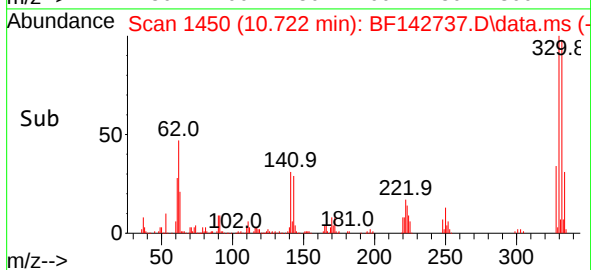
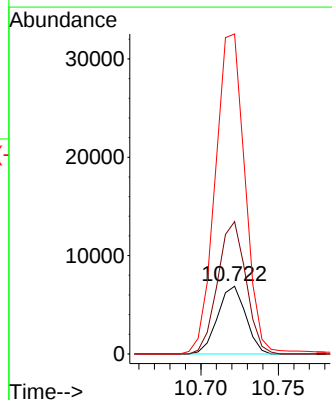
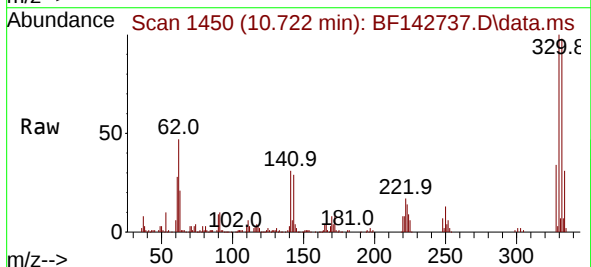
Instrument :
BNA_F
ClientSampleId :

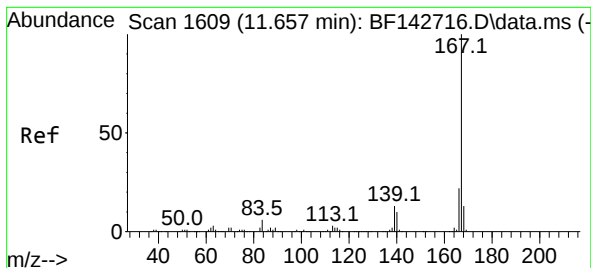
Tgt Ion:188 Resp: 152945
Ion Ratio Lower Upper
188 100
94 8.1 6.8 10.2
80 8.3 7.1 10.7



#67
4-Bromophenyl-phenylether
Concen: 4.805 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF142737.D
Acq: 11 Jun 2025 16:19

Tgt Ion:248 Resp: 8675
Ion Ratio Lower Upper
248 100
250 195.4 79.2 118.8#
141 472.6 59.3 88.9#





#73

Carbazole

Concen: 2.306 ng

RT: 11.651 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142737.D

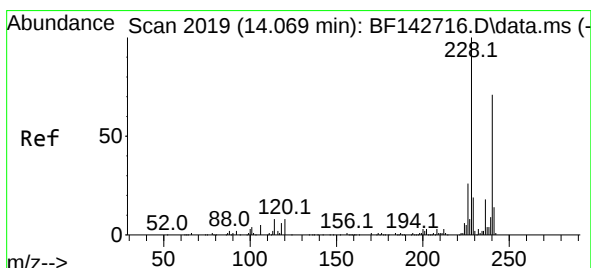
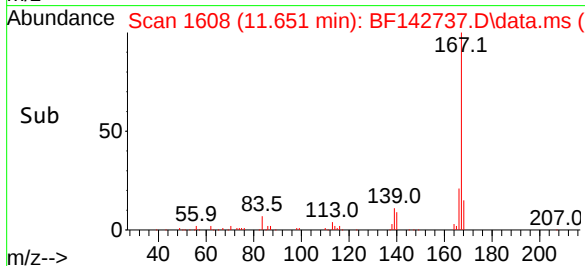
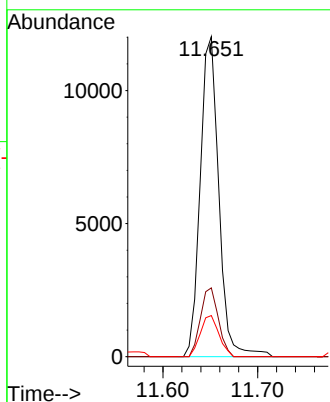
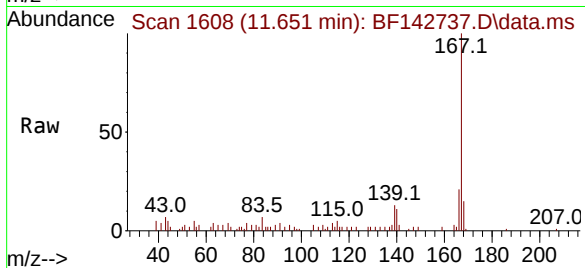
Acq: 11 Jun 2025 16:19

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:167	Resp:	16361
Ion Ratio	Lower	Upper
167	100	
166	21.5	17.2 25.8
139	12.8	10.2 15.4



#76

Chrysene-d12

Concen: 20.000 ng

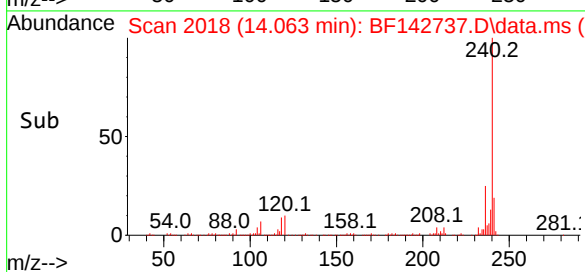
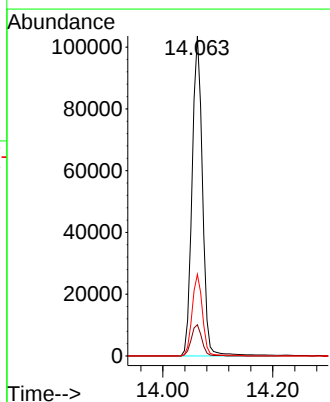
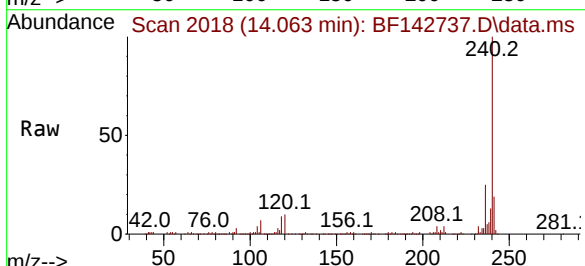
RT: 14.063 min Scan# 2018

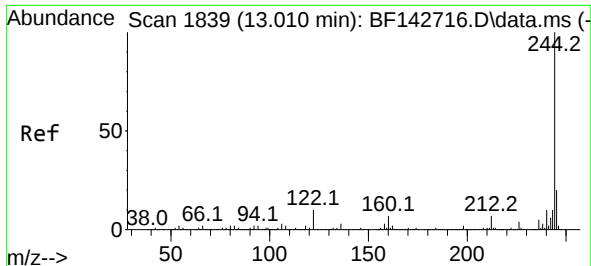
Delta R.T. -0.006 min

Lab File: BF142737.D

Acq: 11 Jun 2025 16:19

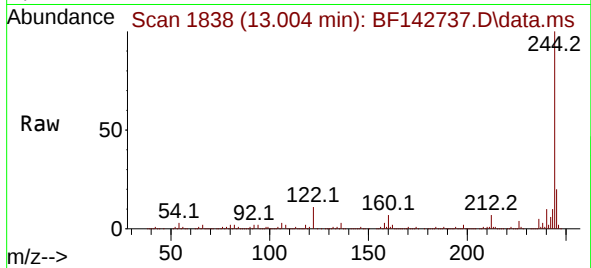
Tgt Ion:240	Resp:	136283
Ion Ratio	Lower	Upper
240	100	
120	9.8	8.5 12.7
236	25.5	20.1 30.1



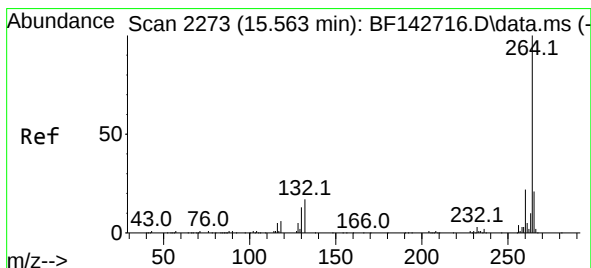
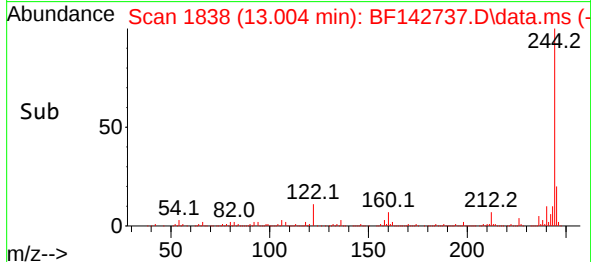
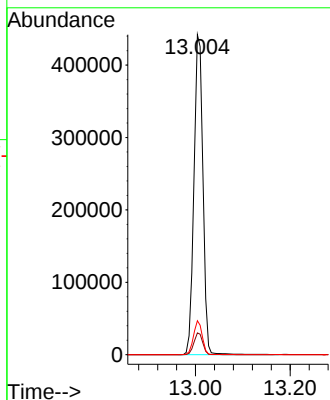


#79
 Terphenyl-d14
 Concen: 58.667 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF142737.D
 Acq: 11 Jun 2025 16:19

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 582138
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 10.6 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.557 min Scan# 2272
 Delta R.T. -0.006 min
 Lab File: BF142737.D
 Acq: 11 Jun 2025 16:19

Tgt Ion:264 Resp: 159449
 Ion Ratio Lower Upper
 264 100
 260 23.3 17.8 26.6
 265 22.1 16.6 25.0

