

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142745.D
 Acq On : 11 Jun 2025 20:17
 Operator : RC/JU
 Sample : Q2268-03
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 01:48:45 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

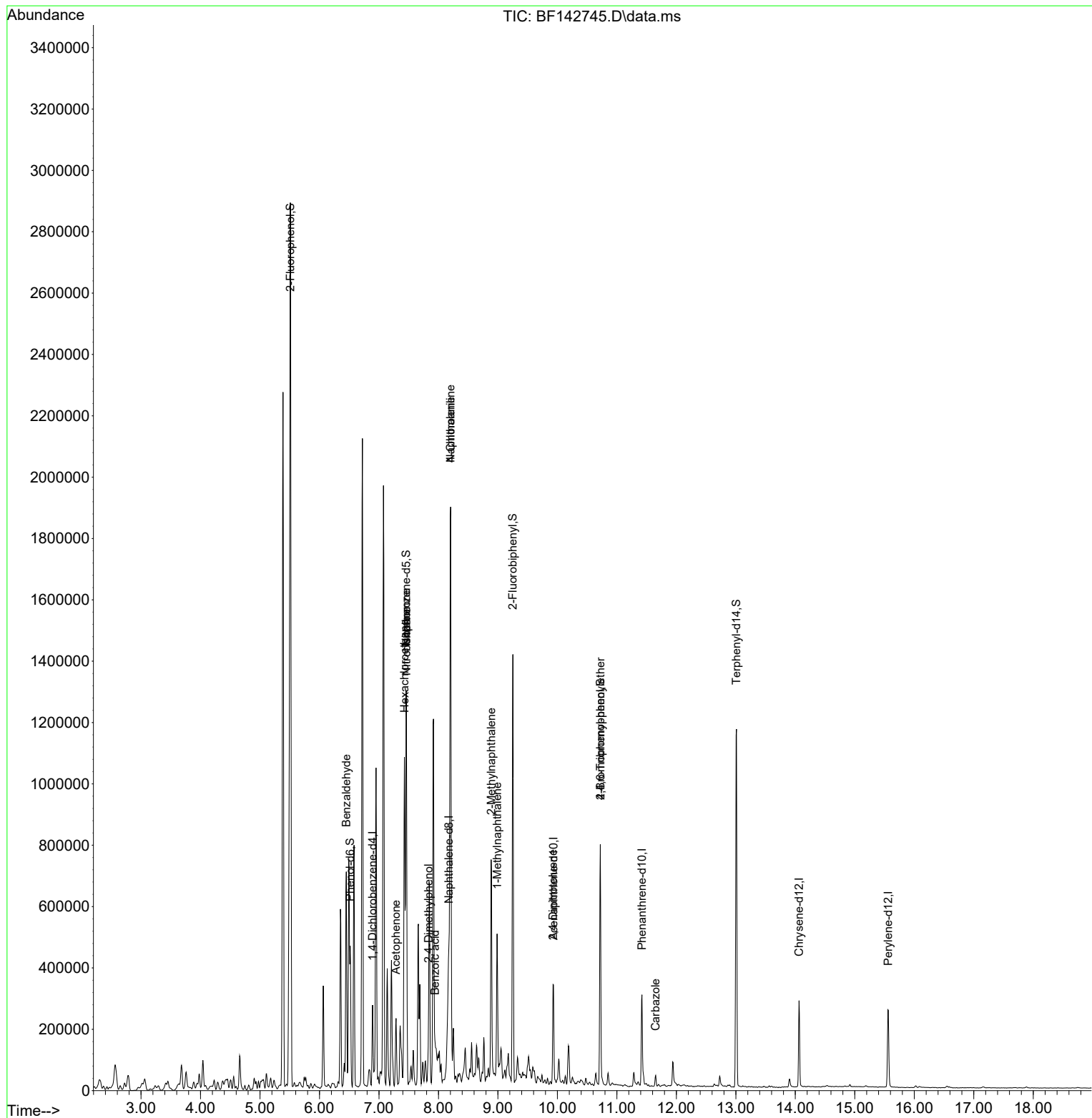
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	56149	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	196309	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	99515	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	154211	20.000	ng	0.00
76) Chrysene-d12	14.063	240	138540	20.000	ng	0.00
86) Perylene-d12	15.562	264	155779	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	180116	54.634	ng	0.00
7) Phenol-d6	6.516	99	198617	51.192	ng	0.00
23) Nitrobenzene-d5	7.457	82	291606	81.295	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	131739	120.787	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	619662	82.727	ng	0.00
79) Terphenyl-d14	13.010	244	588976	58.389	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	6.451	77	44711	18.609	ng	# 1
18) Hexachloroethane	7.428	117	109163	73.307	ng	# 1
22) Acetophenone	7.287	105	124851	28.591	ng	# 56
24) Nitrobenzene	7.463	77	14939	4.693	ng	# 1
25) Isophorone	7.457	82	289590	47.682	ng	# 63
27) 2,4-Dimethylphenol	7.834	122	11902	3.935	ng	95
31) Naphthalene	8.204	128	1203528	123.964	ng	99
32) Benzoic acid	7.939	122	13567	7.964	ng	# 70
33) 4-Chloroaniline	8.204	127	165651	42.495	ng	# 33
37) 2-Methylnaphthalene	8.886	142	276984	45.074	ng	99
38) 1-Methylnaphthalene	8.986	142	156899	24.647	ng	100
57) 2,4-Dinitrotoluene	9.928	165	13016	6.854	ng	# 31
67) 4-Bromophenyl-phenylether	10.722	248	8396	4.612	ng	# 1
73) Carbazole	11.651	167	19911	2.783	ng	99

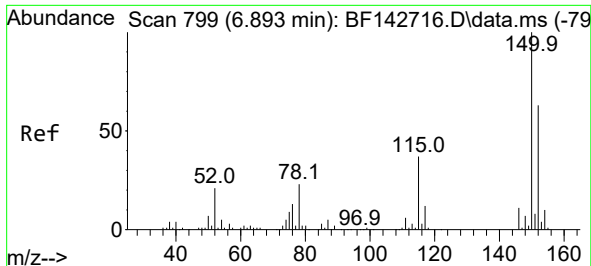
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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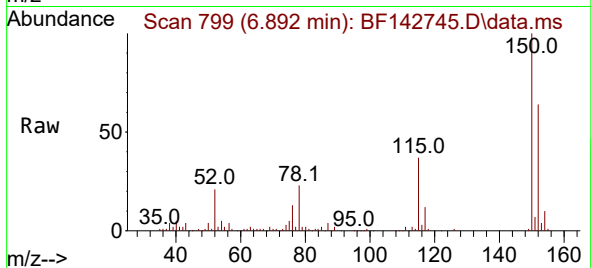
Quant Time: Jun 12 01:48:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
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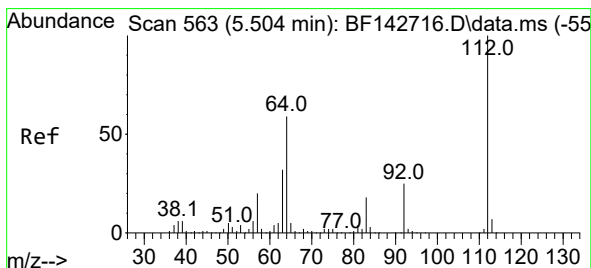
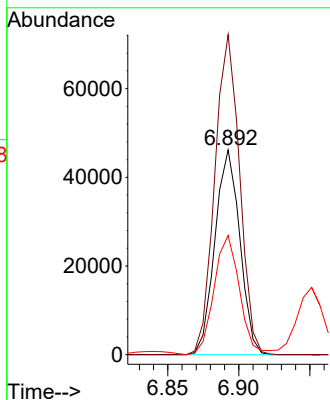
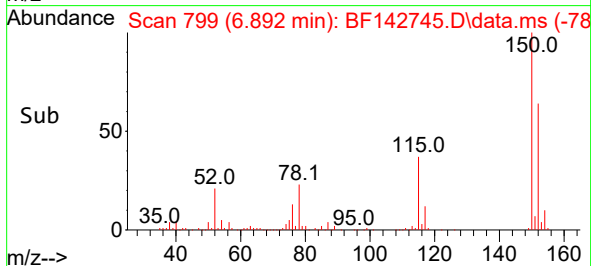


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

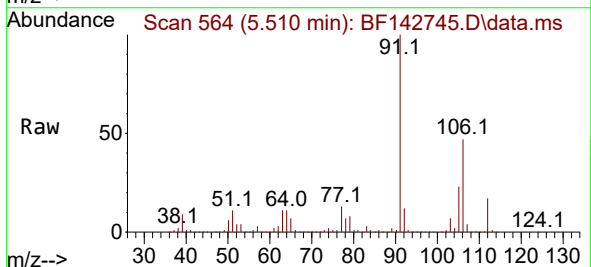
Instrument :
BNA_F
ClientSampleId :



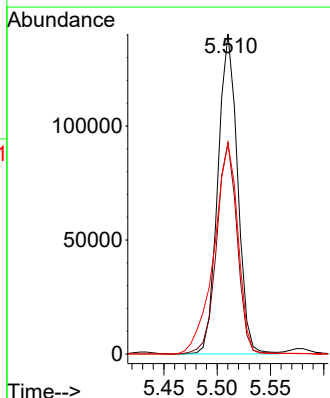
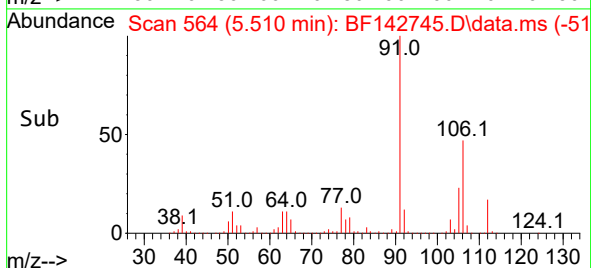
Tgt Ion:152 Resp: 56149
Ion Ratio Lower Upper
152 100
150 156.2 126.9 190.3
115 58.2 47.0 70.6

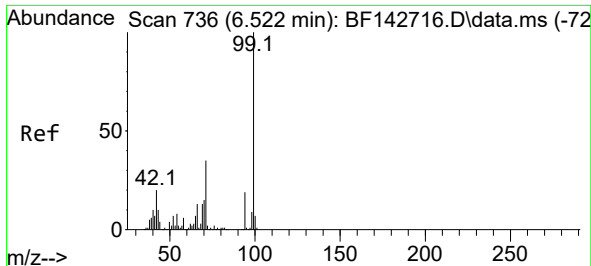


#5
2-Fluorophenol
Concen: 54.634 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17



Tgt Ion:112 Resp: 180116
Ion Ratio Lower Upper
112 100
64 66.1 47.4 71.2
63 65.8 25.4 38.0#





#7

Phenol-d6

Concen: 51.192 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142745.D

Acq: 11 Jun 2025 20:17

Instrument :

BNA_F

ClientSampleId :

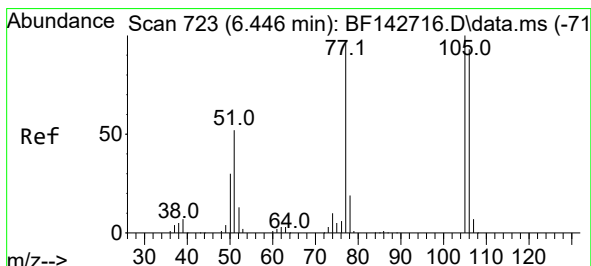
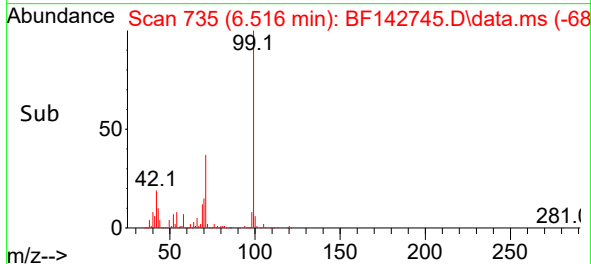
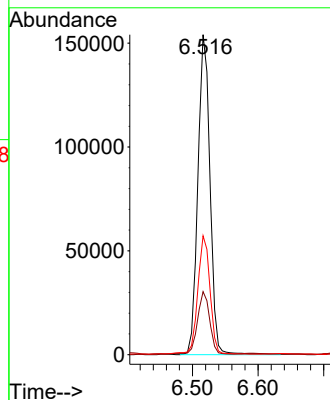
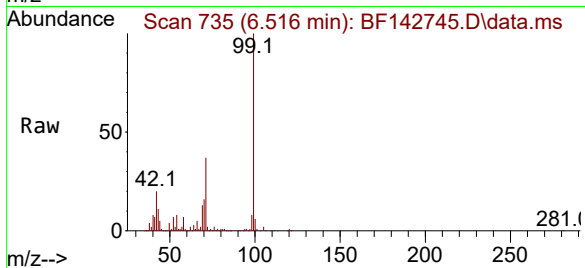
Tgt Ion: 99 Resp: 198617

Ion Ratio Lower Upper

99 100

42 19.7 15.9 23.9

71 37.2 28.0 42.0



#9

Benzaldehyde

Concen: 18.609 ng

RT: 6.451 min Scan# 724

Delta R.T. 0.005 min

Lab File: BF142745.D

Acq: 11 Jun 2025 20:17

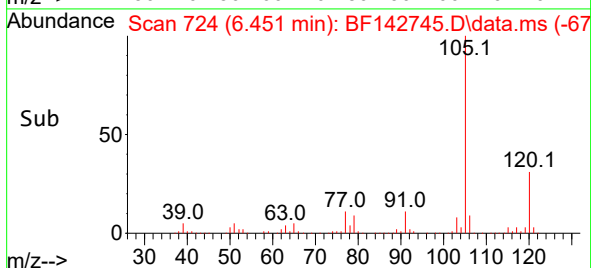
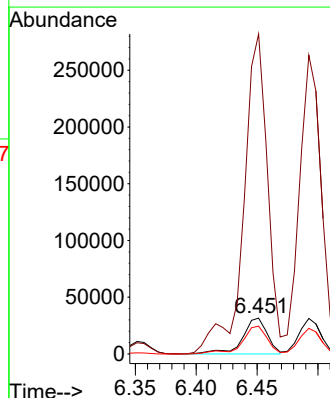
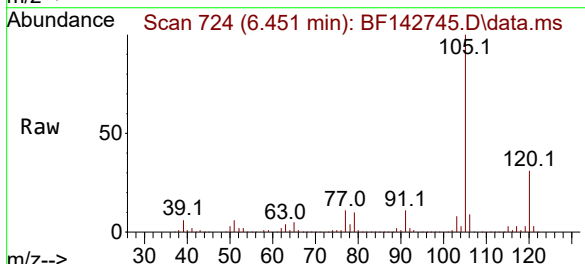
Tgt Ion: 77 Resp: 44711

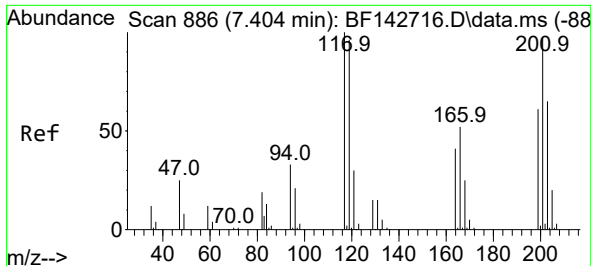
Ion Ratio Lower Upper

77 100

105 891.7 84.1 124.1#

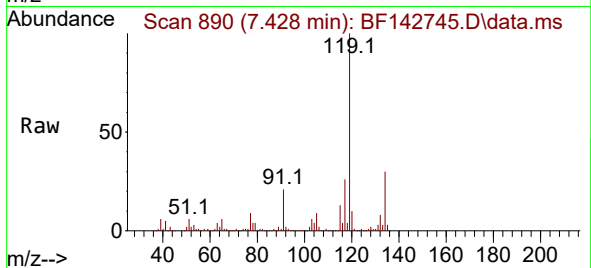
106 77.7 77.2 117.2



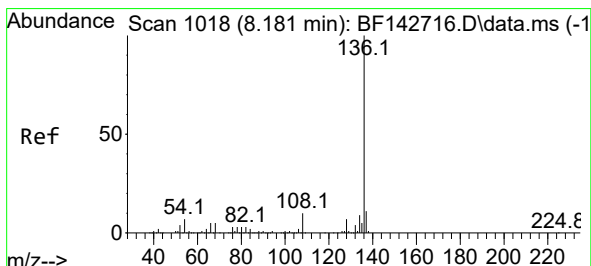
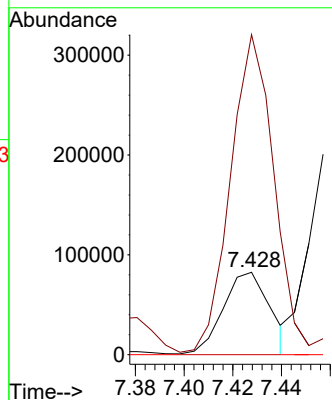
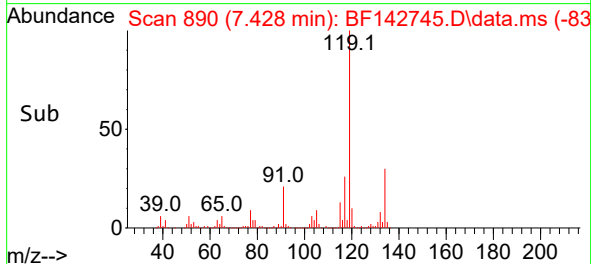


#18
 Hexachloroethane
 Concen: 73.307 ng
 RT: 7.428 min Scan# 890
 Delta R.T. 0.023 min
 Lab File: BF142745.D
 Acq: 11 Jun 2025 20:17

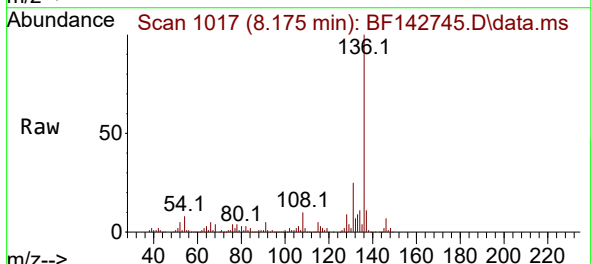
Instrument :
 BNA_F
 ClientSampleId :



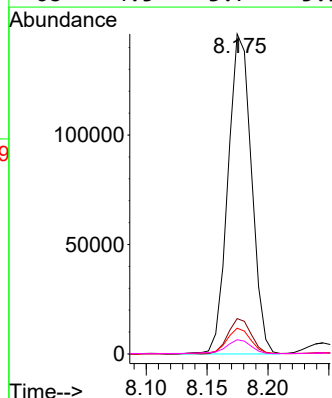
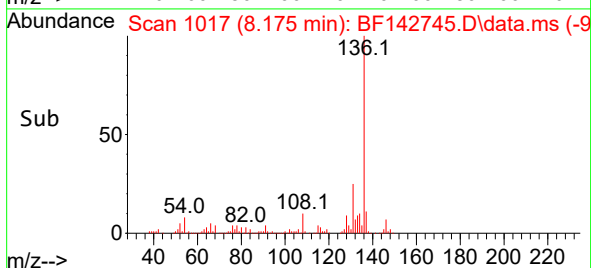
Tgt Ion:117 Resp: 109163
 Ion Ratio Lower Upper
 117 100
 119 388.6 76.4 114.6#
 201 0.0 77.8 116.6#

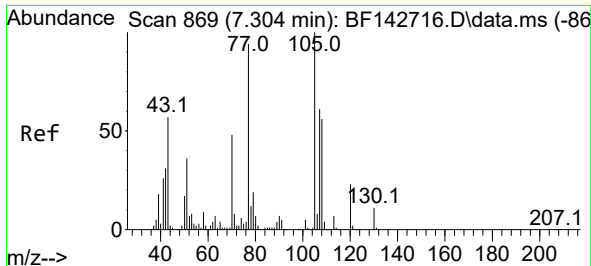


#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 8.175 min Scan# 1017
 Delta R.T. -0.006 min
 Lab File: BF142745.D
 Acq: 11 Jun 2025 20:17



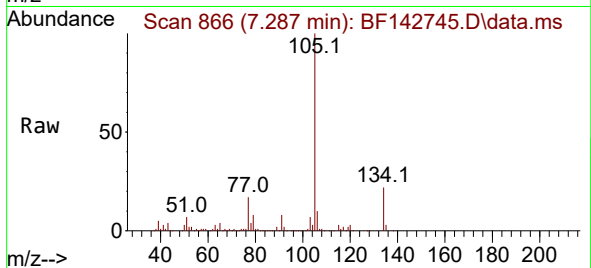
Tgt Ion:136 Resp: 196309
 Ion Ratio Lower Upper
 136 100
 137 11.1 8.7 13.1
 54 8.0 5.9 8.9
 68 4.5 3.7 5.5



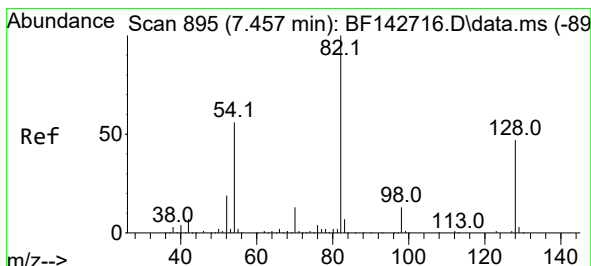
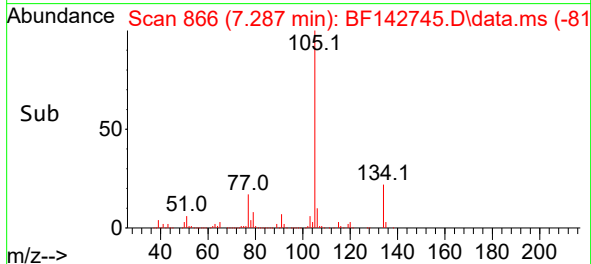
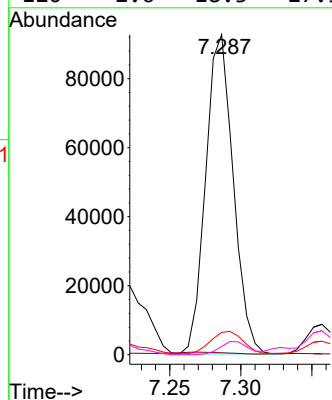


#22
Acetophenone
Concen: 28.591 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.018 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

Instrument :
BNA_F
ClientSampleId :

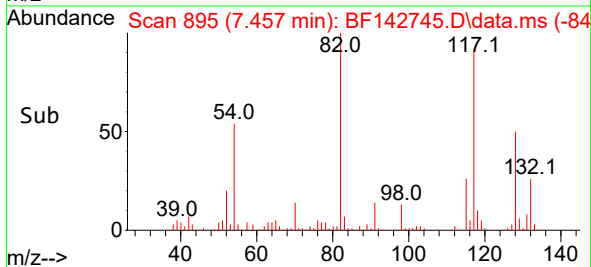
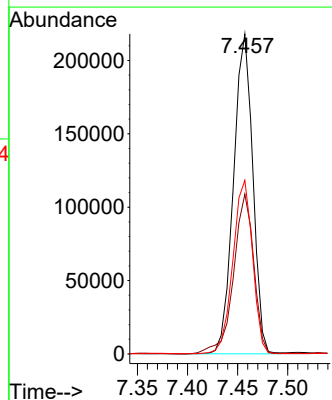
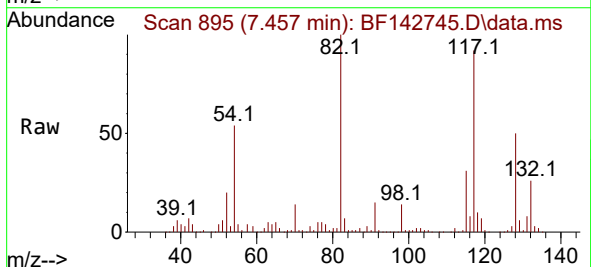


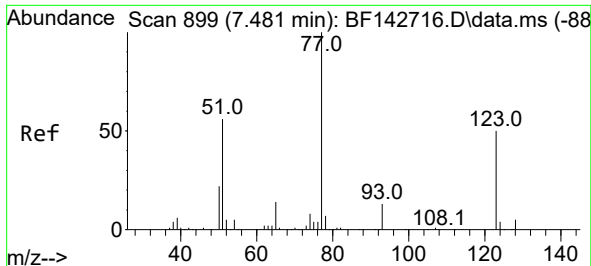
Tgt Ion:105 Resp: 124851
Ion Ratio Lower Upper
105 100
71 0.6 6.4 9.6#
51 6.9 29.1 43.7#
120 2.6 18.3 27.5#



#23
Nitrobenzene-d5
Concen: 81.295 ng
RT: 7.457 min Scan# 895
Delta R.T. 0.000 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

Tgt Ion: 82 Resp: 291606
Ion Ratio Lower Upper
82 100
128 50.0 37.8 56.8
54 54.3 44.9 67.3

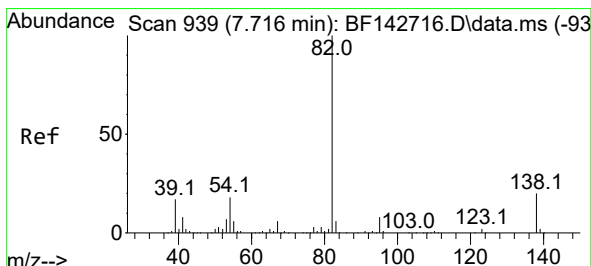
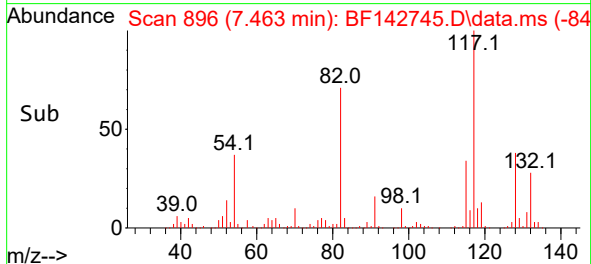
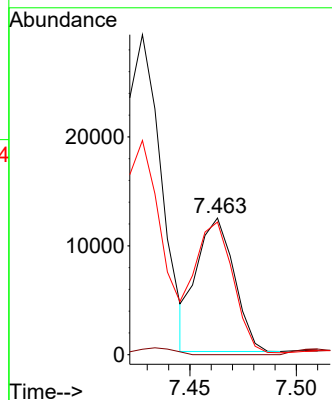
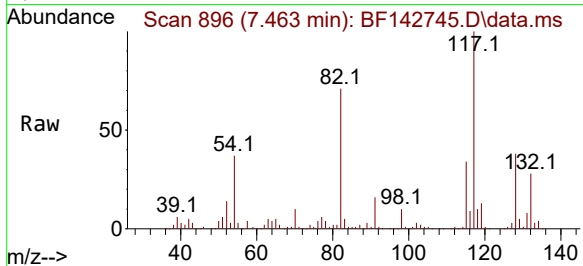




#24
Nitrobenzene
Concen: 4.693 ng
RT: 7.463 min Scan# 896
Delta R.T. -0.018 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

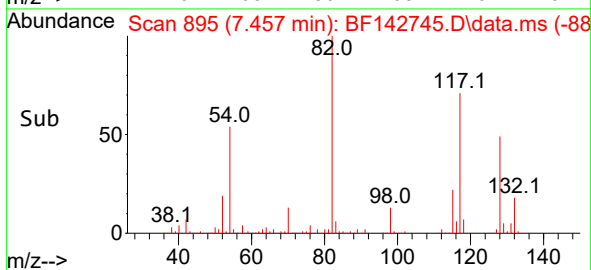
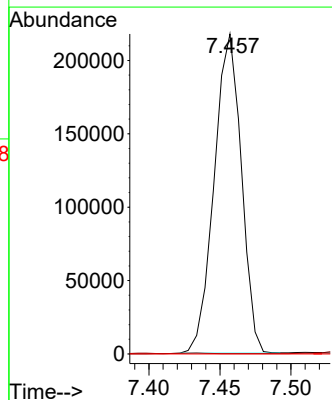
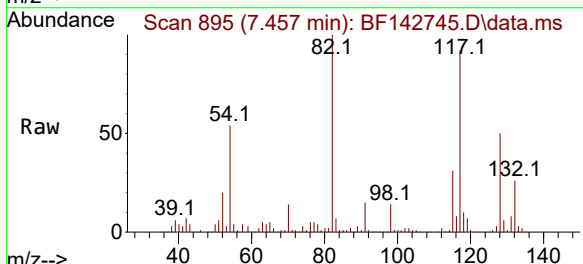
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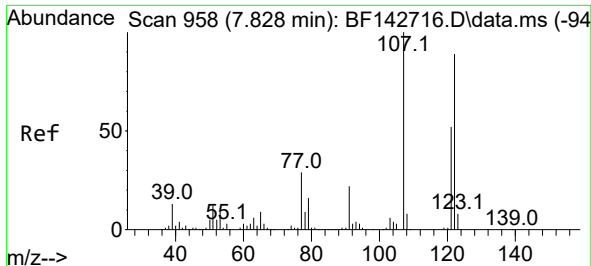
Tgt Ion: 77 Resp: 14939
Ion Ratio Lower Upper
77 100
123 0.0 40.8 61.2#
65 97.0 11.5 17.3#



#25
Isophorone
Concen: 47.682 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.259 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

Tgt Ion: 82 Resp: 289590
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: 3.935 ng

RT: 7.834 min Scan# 91

Delta R.T. 0.006 min

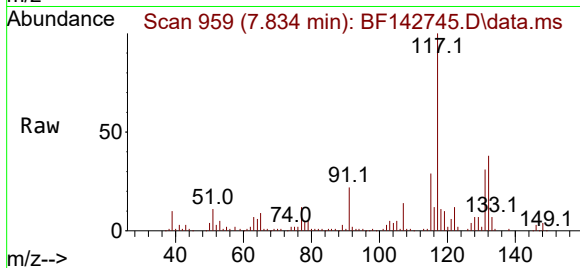
Lab File: BF142745.D

Acq: 11 Jun 2025 20:17

Instrument :

BNA_F

ClientSampleId :



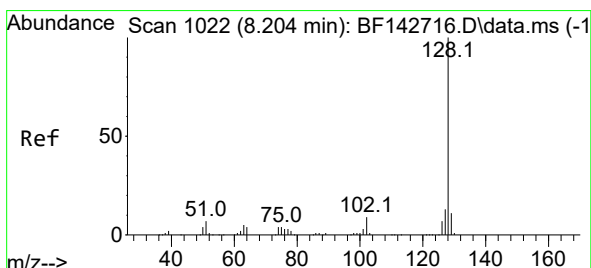
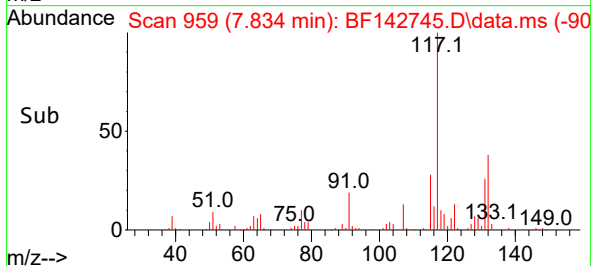
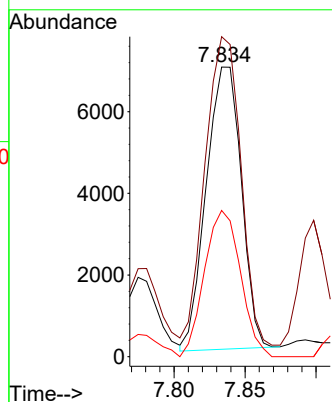
Tgt Ion:122 Resp: 11902

Ion Ratio Lower Upper

122 100

107 110.5 90.4 135.6

121 50.5 46.9 70.3



#31

Naphthalene

Concen: 123.964 ng

RT: 8.204 min Scan# 1022

Delta R.T. -0.000 min

Lab File: BF142745.D

Acq: 11 Jun 2025 20:17

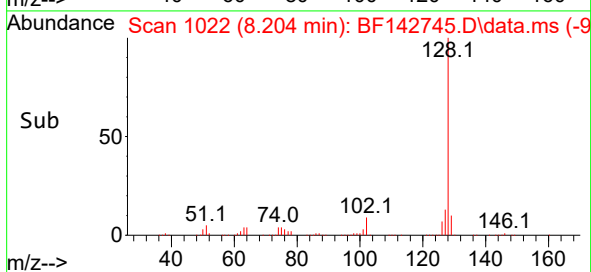
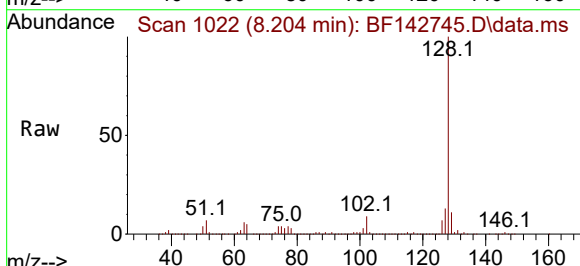
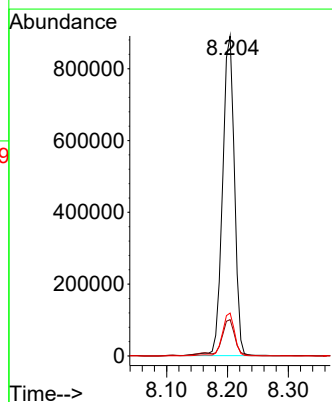
Tgt Ion:128 Resp: 1203528

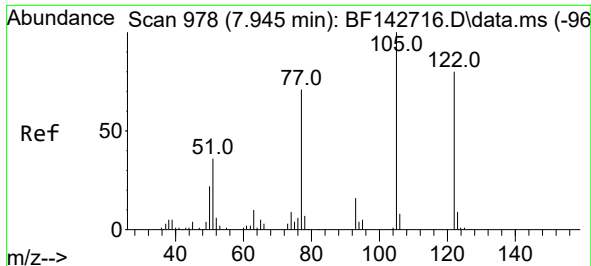
Ion Ratio Lower Upper

128 100

129 11.4 8.7 13.1

127 13.4 10.4 15.6

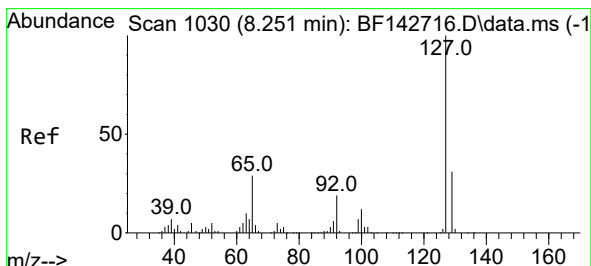
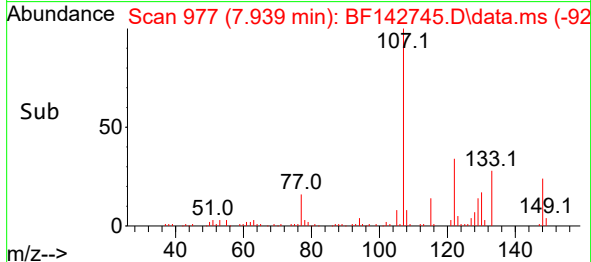
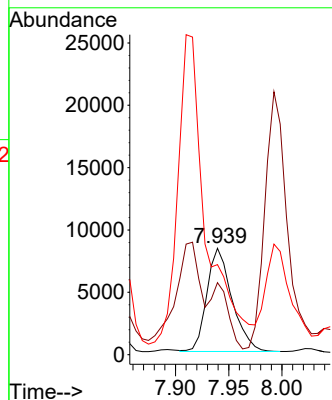
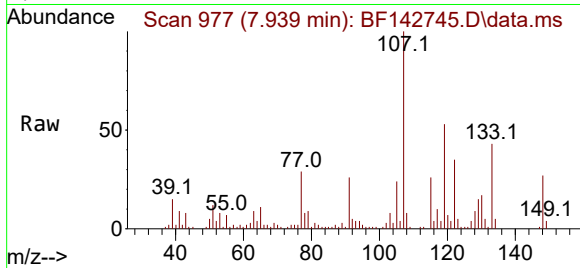




#32
Benzoic acid
Concen: 7.964 ng
RT: 7.939 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

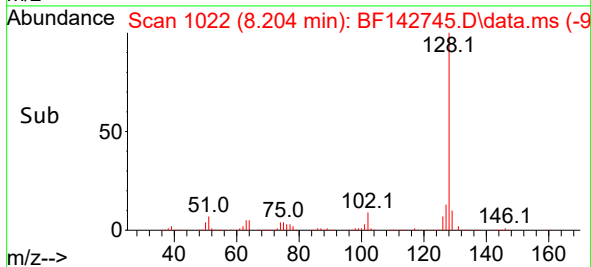
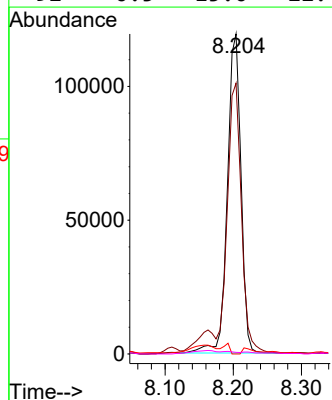
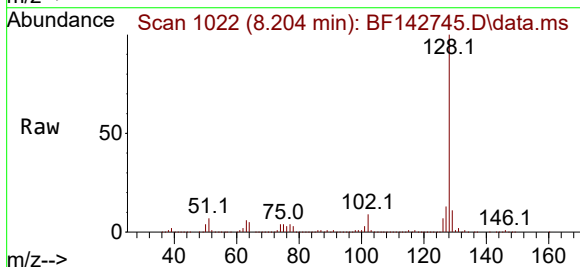
Instrument :
BNA_F
ClientSampleId :

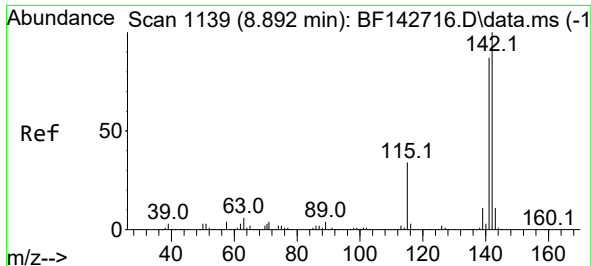
Tgt Ion:122 Resp: 13567
Ion Ratio Lower Upper
122 100
105 67.7 102.6 142.6#
77 84.6 68.2 108.2



#33
4-Chloroaniline
Concen: 42.495 ng
RT: 8.204 min Scan# 1022
Delta R.T. -0.047 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

Tgt Ion:127 Resp: 165651
Ion Ratio Lower Upper
127 100
129 84.6 25.6 38.4#
65 0.0 23.0 34.4#
92 0.5 15.0 22.4#

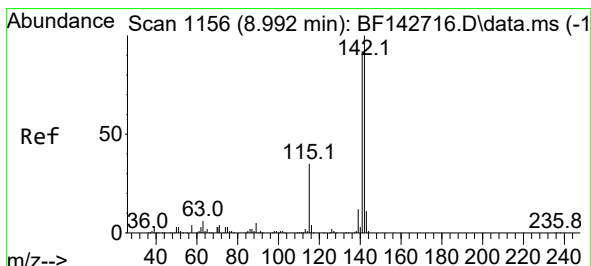
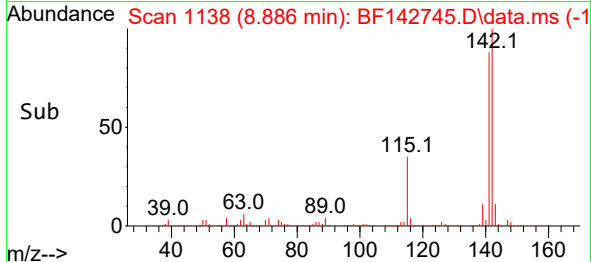
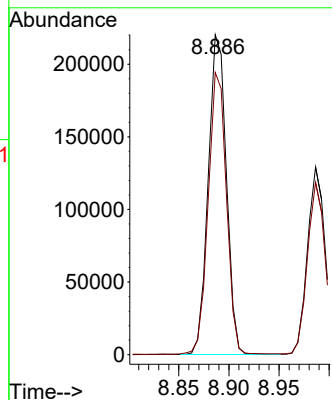
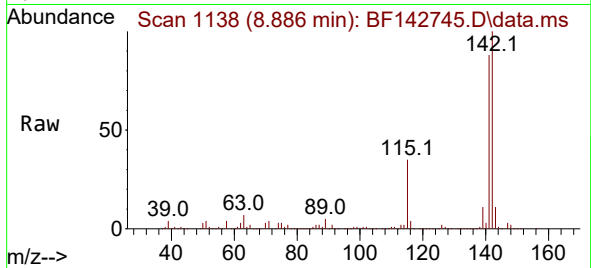




#37
2-Methylnaphthalene
Concen: 45.074 ng
RT: 8.886 min Scan# 1138
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

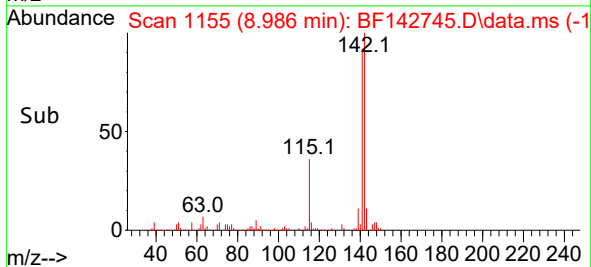
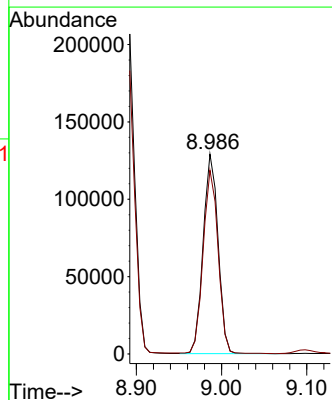
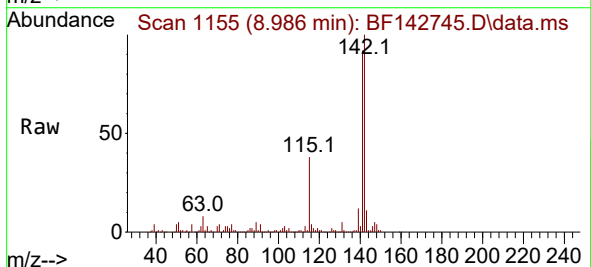
Instrument :
BNA_F
ClientSampleId :

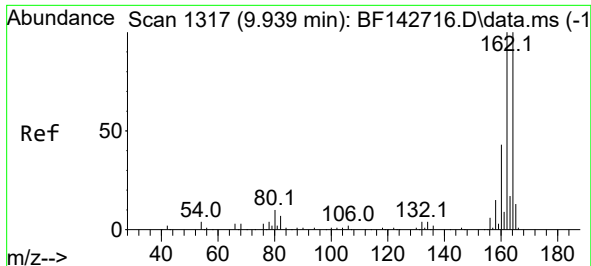
Tgt Ion:142 Resp: 276984
Ion Ratio Lower Upper
142 100
141 88.2 69.9 104.9



#38
1-Methylnaphthalene
Concen: 24.647 ng
RT: 8.986 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

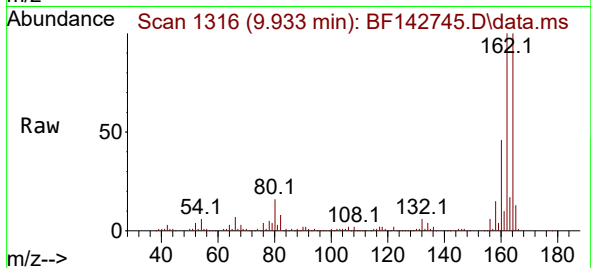
Tgt Ion:142 Resp: 156899
Ion Ratio Lower Upper
142 100
141 91.9 73.5 110.3



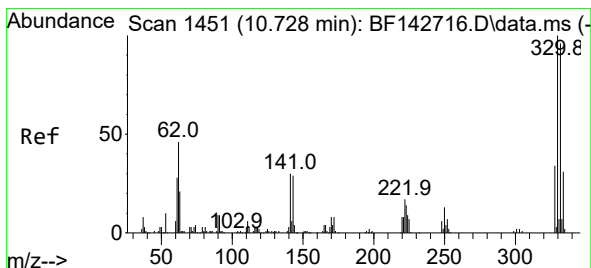
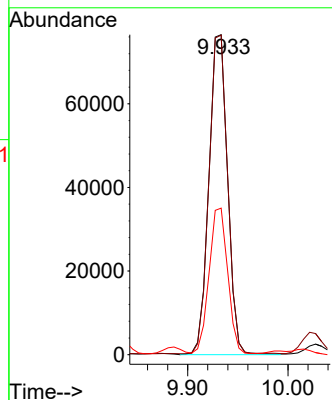
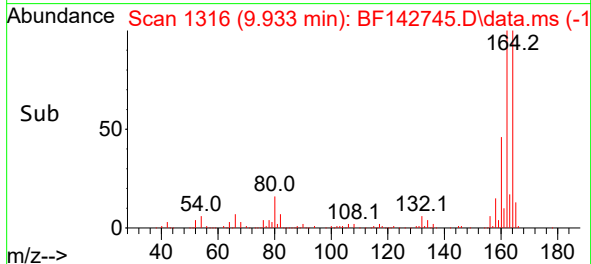


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

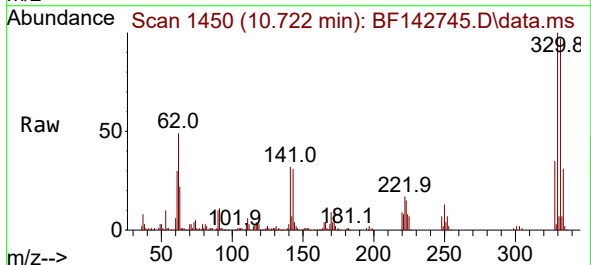
Instrument :
BNA_F
ClientSampleId :



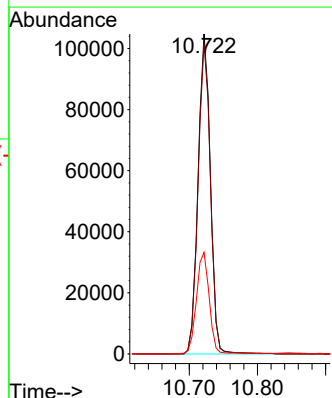
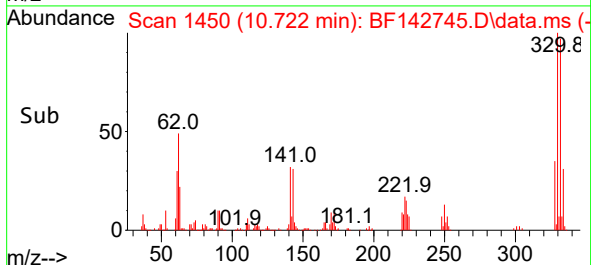
Tgt Ion:164 Resp: 99515
Ion Ratio Lower Upper
164 100
162 99.9 79.9 119.9
160 45.8 34.8 52.2

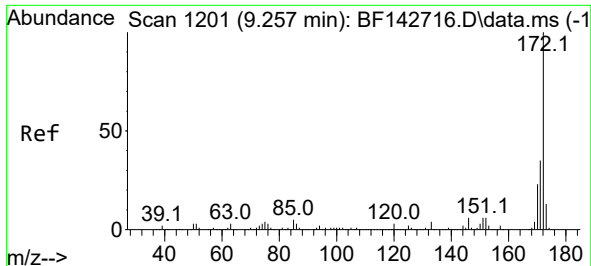


#42
2,4,6-Tribromophenol
Concen: 120.787 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17



Tgt Ion:330 Resp: 131739
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 33.1 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 82.727 ng

RT: 9.251 min Scan# 1315

Delta R.T. -0.006 min

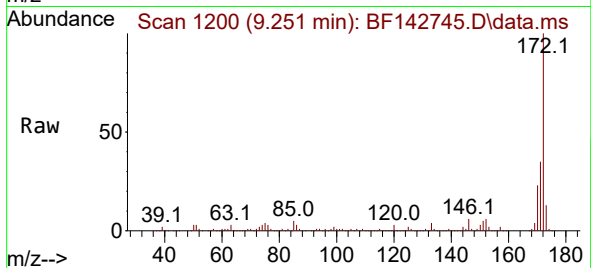
Lab File: BF142745.D

Acq: 11 Jun 2025 20:17

Instrument :

BNA_F

ClientSampleId :



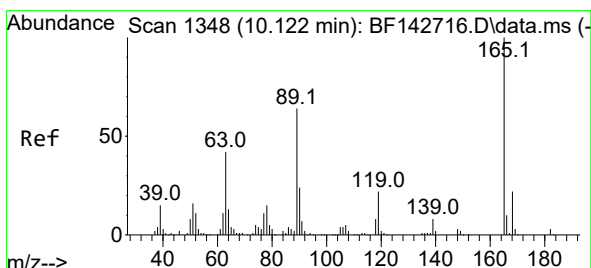
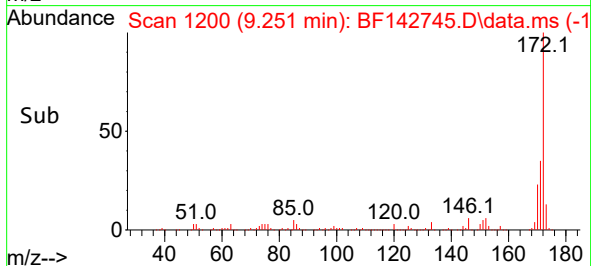
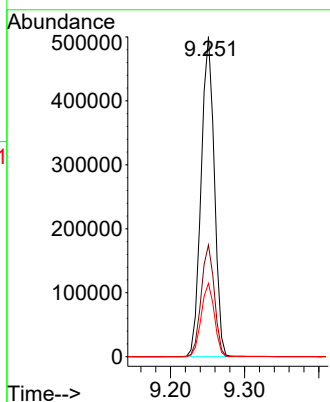
Tgt Ion:172 Resp: 619662

Ion Ratio Lower Upper

172 100

171 34.9 28.1 42.1

170 22.9 18.6 27.8



#57

2,4-Dinitrotoluene

Concen: 6.854 ng

RT: 9.928 min Scan# 1315

Delta R.T. -0.194 min

Lab File: BF142745.D

Acq: 11 Jun 2025 20:17

Tgt Ion:165 Resp: 13016

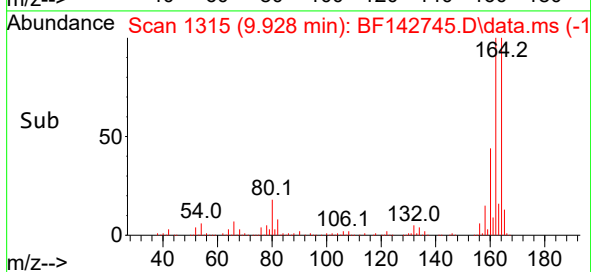
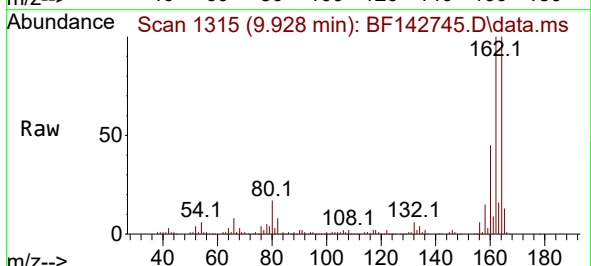
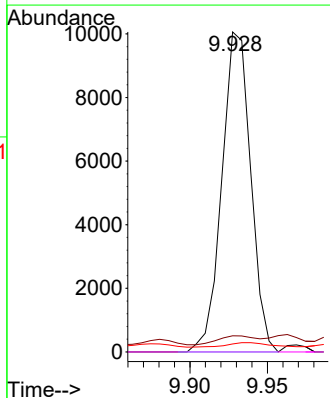
Ion Ratio Lower Upper

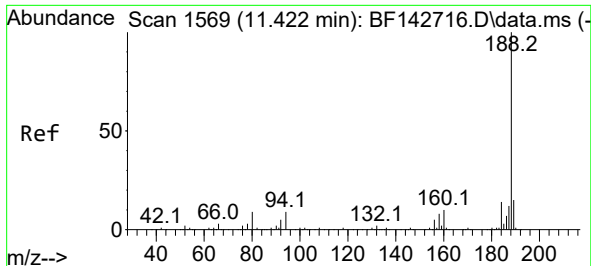
165 100

63 5.0 34.1 51.1#

89 2.5 50.8 76.2#

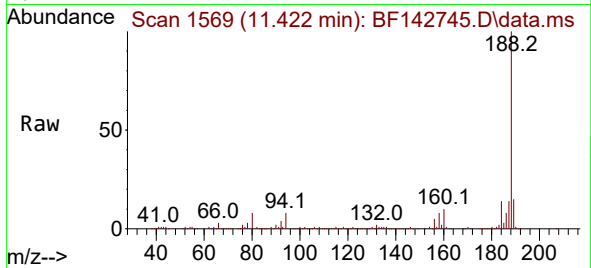
182 0.0 2.2 3.2#



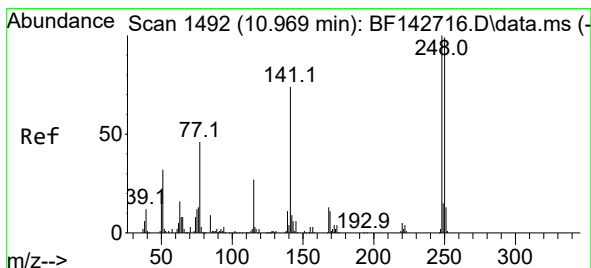
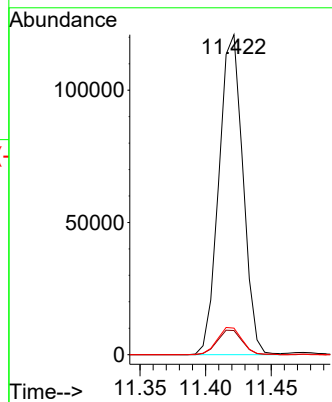
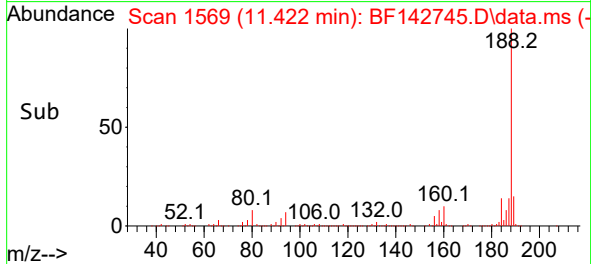


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

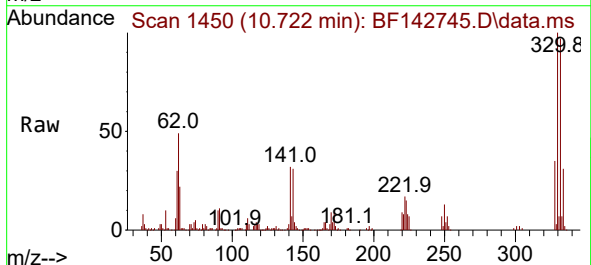
Instrument :
BNA_F
ClientSampleId :



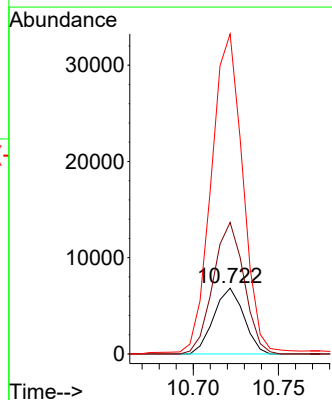
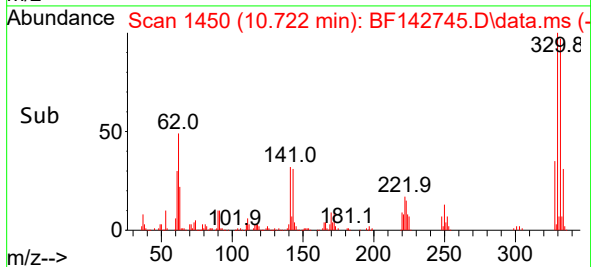
Tgt Ion:188 Resp: 154211
Ion Ratio Lower Upper
188 100
94 7.6 6.8 10.2
80 8.3 7.1 10.7

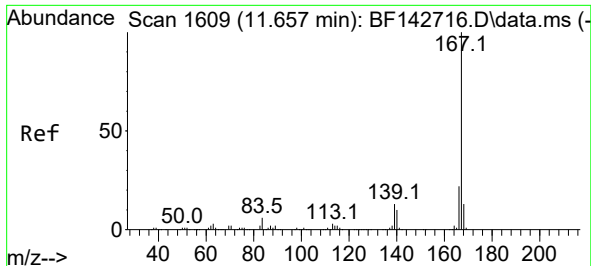


#67
4-Bromophenyl-phenylether
Concen: 4.612 ng
RT: 10.722 min Scan# 1450
Delta R.T. -0.247 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17



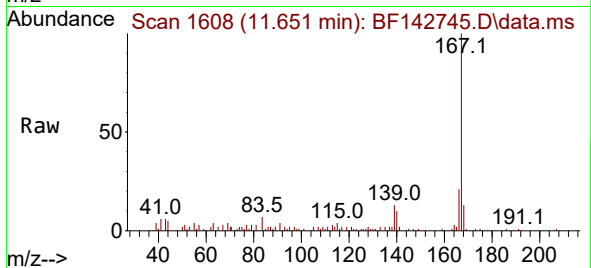
Tgt Ion:248 Resp: 8396
Ion Ratio Lower Upper
248 100
250 200.0 79.2 118.8#
141 486.7 59.3 88.9#



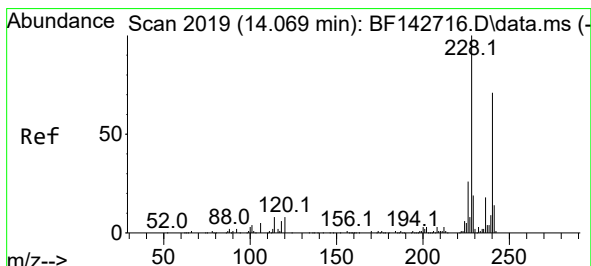
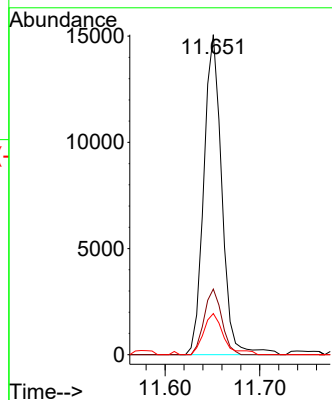
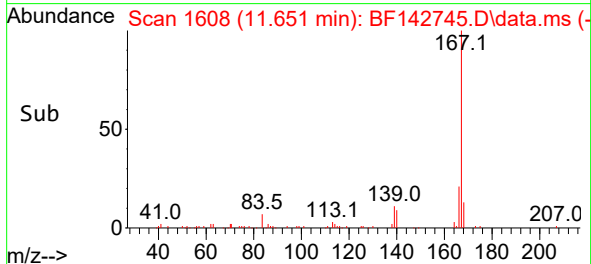


#73
Carbazole
Concen: 2.783 ng
RT: 11.651 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

Instrument :
BNA_F
ClientSampleId :

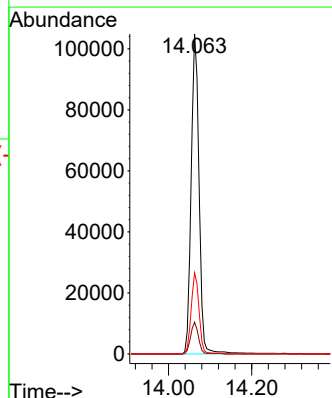
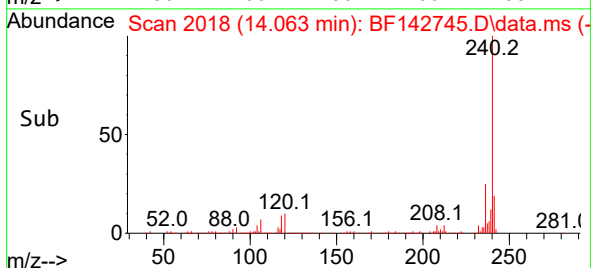
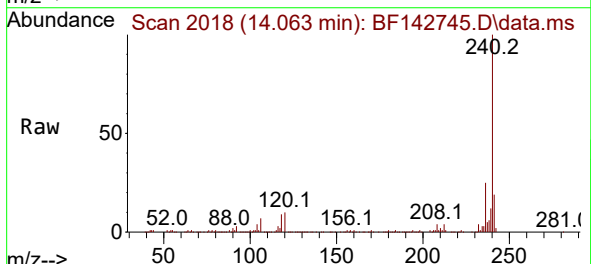


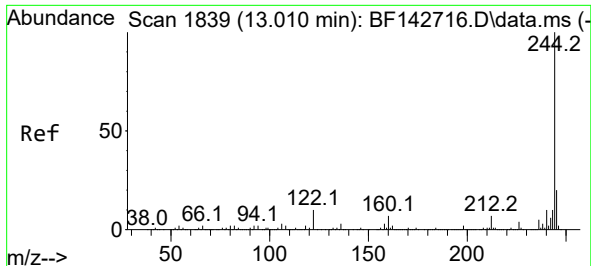
Tgt Ion:167 Resp: 19911
Ion Ratio Lower Upper
167 100
166 20.5 17.2 25.8
139 12.8 10.2 15.4



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142745.D
Acq: 11 Jun 2025 20:17

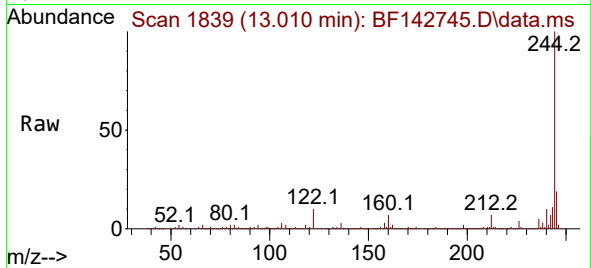
Tgt Ion:240 Resp: 138540
Ion Ratio Lower Upper
240 100
120 9.9 8.5 12.7
236 25.4 20.1 30.1



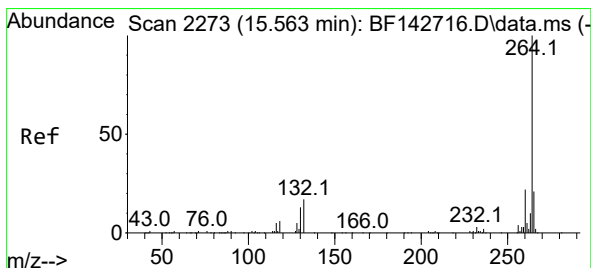
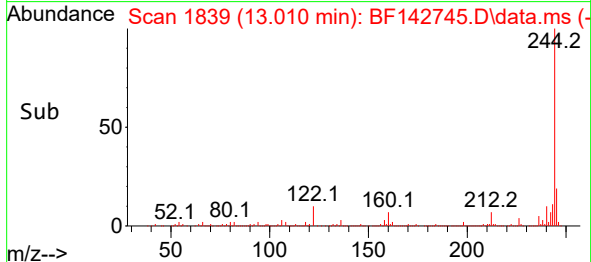
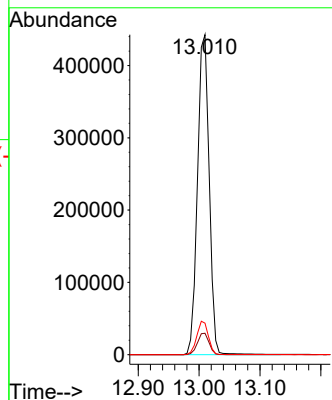


#79
 Terphenyl-d14
 Concen: 58.389 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.000 min
 Lab File: BF142745.D
 Acq: 11 Jun 2025 20:17

Instrument :
 BNA_F
 ClientSampleId :



Tgt Ion:244 Resp: 588976
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 9.9 8.3 12.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.562 min Scan# 2273
 Delta R.T. -0.000 min
 Lab File: BF142745.D
 Acq: 11 Jun 2025 20:17

Tgt Ion:264 Resp: 155779
 Ion Ratio Lower Upper
 264 100
 260 23.6 17.8 26.6
 265 20.9 16.6 25.0

