

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061825\
 Data File : BF142776.D
 Acq On : 18 Jun 2025 13:49
 Operator : RC/JU
 Sample : Q2333-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-06

Quant Time: Jun 18 14:10:33 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)

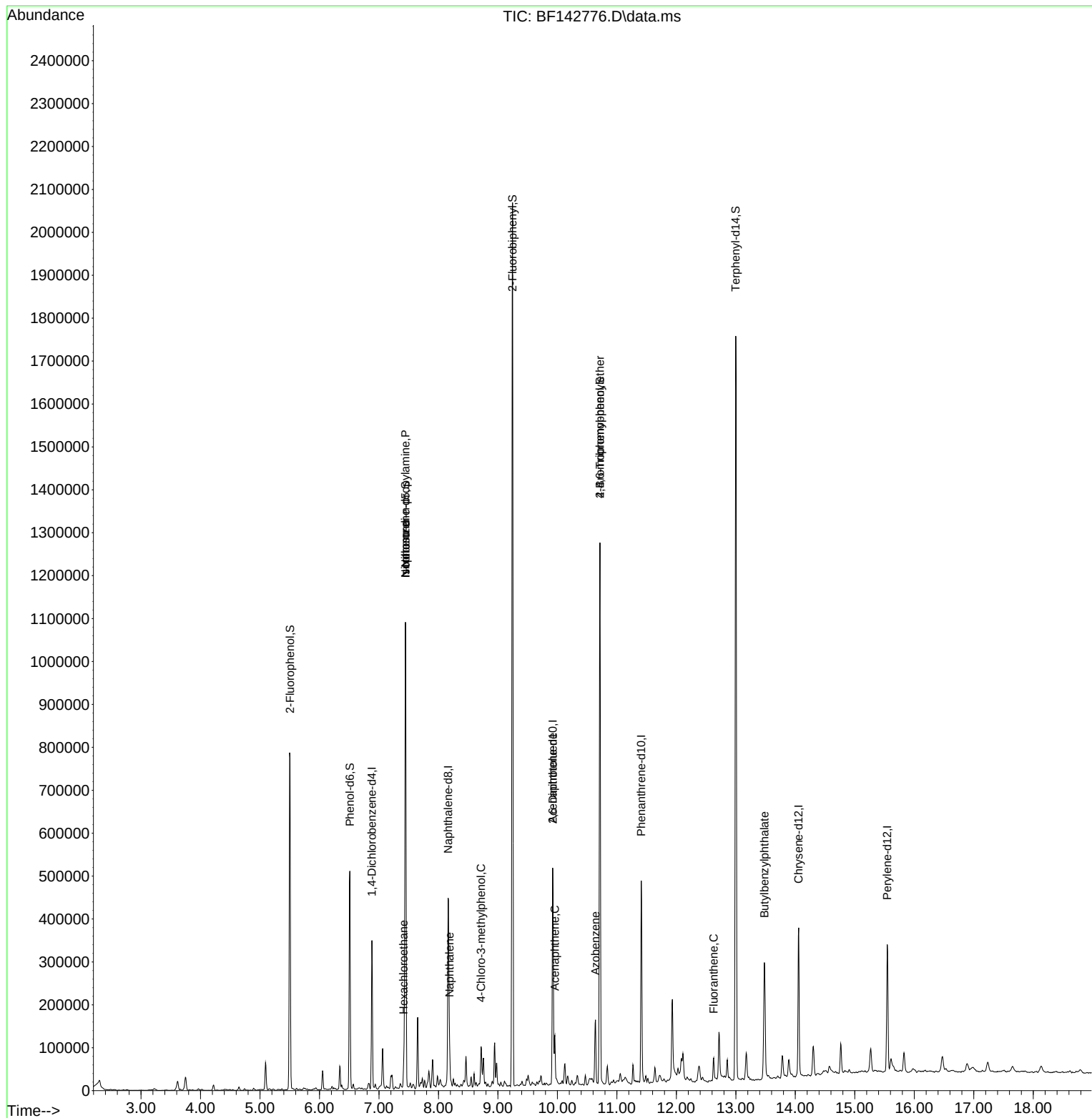
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	72728	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	276703	20.000	ng	-0.02
39) Acenaphthene-d10	9.922	164	148072	20.000	ng	-0.02
64) Phenanthrene-d10	11.410	188	243522	20.000	ng	-0.01
76) Chrysene-d12	14.057	240	167055	20.000	ng	-0.01
86) Perylene-d12	15.545	264	173007	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	300780	70.437	ng	0.00
7) Phenol-d6	6.510	99	224904	44.753	ng	-0.01
23) Nitrobenzene-d5	7.445	82	450633	89.128	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	217630	134.104	ng	-0.01
45) 2-Fluorobiphenyl	9.245	172	935846	83.968	ng	-0.01
79) Terphenyl-d14	12.998	244	854118	70.221	ng	-0.01
Target Compounds						Qvalue
18) Hexachloroethane	7.416	117	4760	2.468	ng	# 1
19) n-Nitroso-di-n-propyla...	7.445	70	61723	19.293	ng	# 76
25) Isophorone	7.445	82	449093	52.461	ng	# 63
31) Naphthalene	8.186	128	39603	2.894	ng	97
36) 4-Chloro-3-methylphenol	8.716	107	18610	4.548	ng	# 18
51) 2,6-Dinitrotoluene	9.922	165	19579	9.162	ng	# 31
52) Acenaphthene	9.957	154	25223	2.848	ng	99
63) Azobenzene	10.639	77	33549	3.918	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	13966	4.859	ng	# 1
75) Fluoranthene	12.627	202	27972	2.255	ng	98
80) Butylbenzylphthalate	13.480	149	47415	10.328	ng	# 29

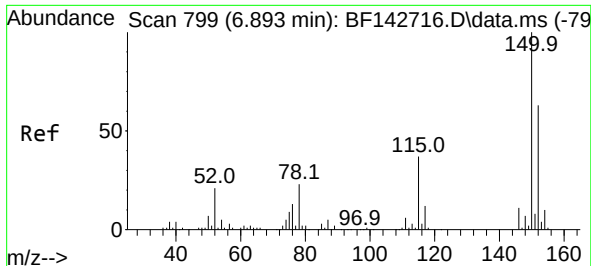
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 18 14:10:33 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

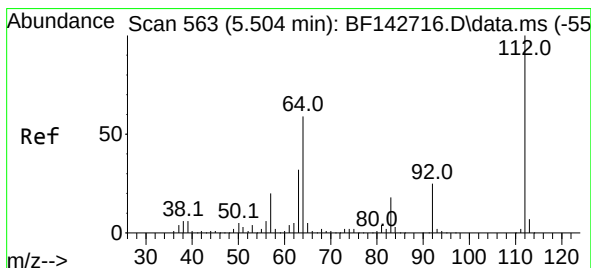
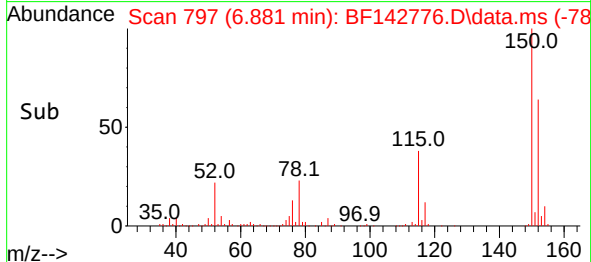
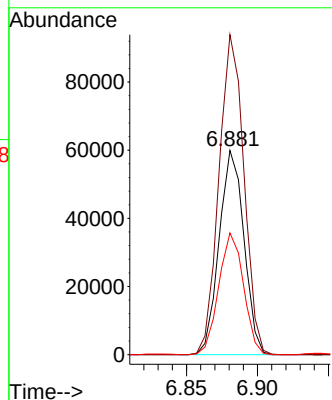
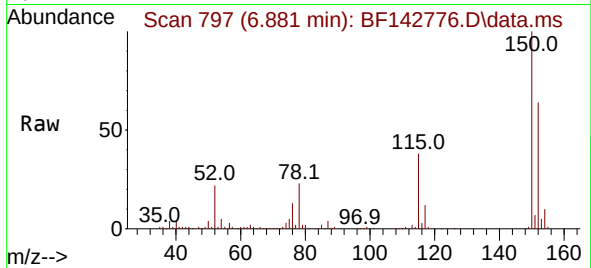




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.881 min Scan# 799
 Delta R.T. -0.012 min
 Lab File: BF142776.D
 Acq: 18 Jun 2025 13:49

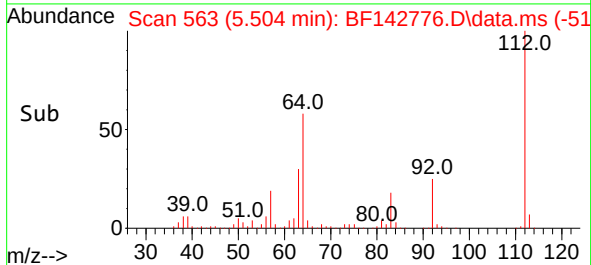
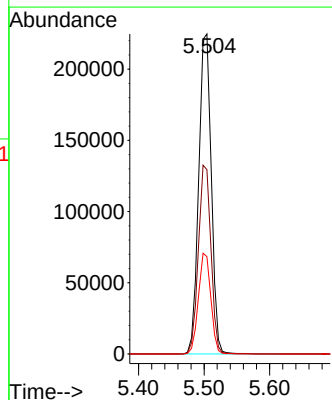
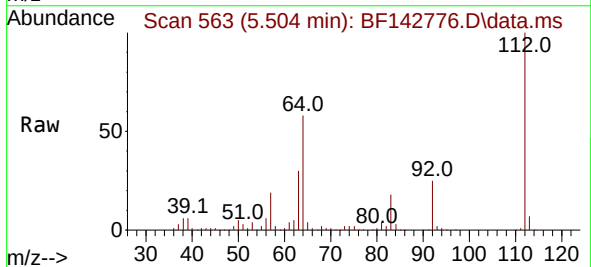
Instrument :
 BNA_F
 ClientSampleId :
 MW-06

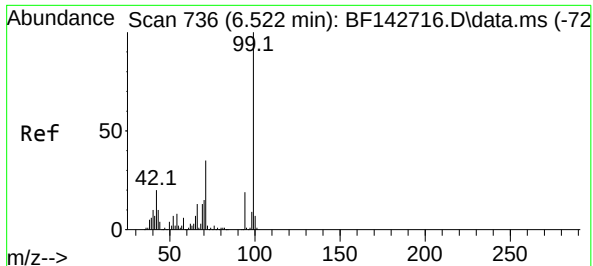
Tgt Ion:152 Resp: 72728
 Ion Ratio Lower Upper
 152 100
 150 156.8 126.9 190.3
 115 59.7 47.0 70.6



#5
 2-Fluorophenol
 Concen: 70.437 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.000 min
 Lab File: BF142776.D
 Acq: 18 Jun 2025 13:49

Tgt Ion:112 Resp: 300780
 Ion Ratio Lower Upper
 112 100
 64 57.6 47.4 71.2
 63 30.4 25.4 38.0

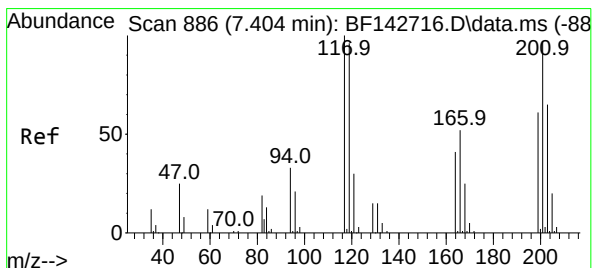
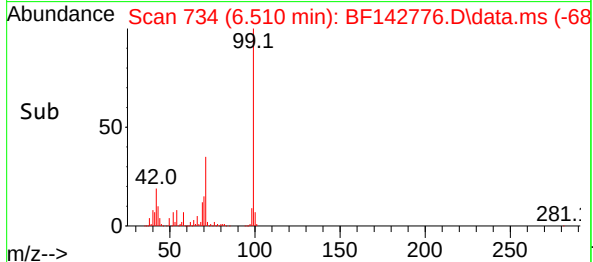
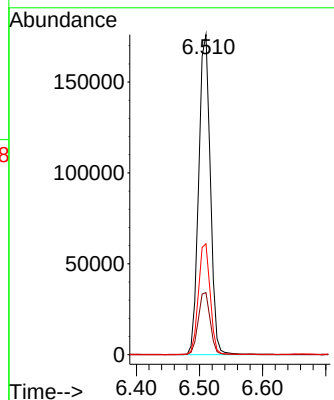
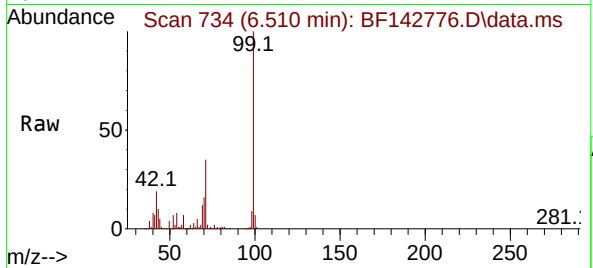




#7
Phenol-d6
Concen: 44.753 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142776.D
Acq: 18 Jun 2025 13:49

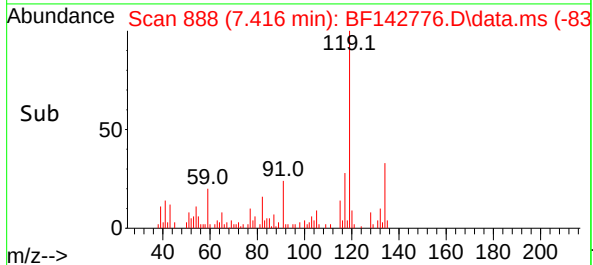
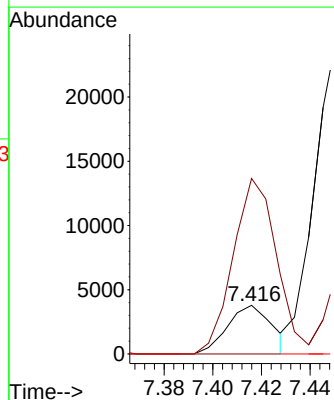
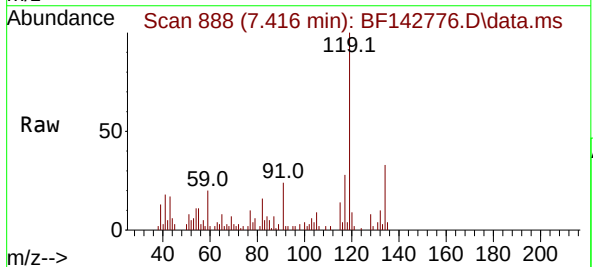
Instrument :
BNA_F
ClientSampleId :
MW-06

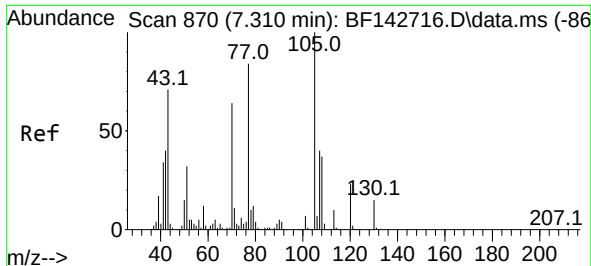
Tgt Ion: 99 Resp: 224904
Ion Ratio Lower Upper
99 100
42 19.4 15.9 23.9
71 34.7 28.0 42.0



#18
Hexachloroethane
Concen: 2.468 ng
RT: 7.416 min Scan# 888
Delta R.T. 0.012 min
Lab File: BF142776.D
Acq: 18 Jun 2025 13:49

Tgt Ion: 117 Resp: 4760
Ion Ratio Lower Upper
117 100
119 361.1 76.4 114.6#
201 0.0 77.8 116.6#





#19

n-Nitroso-di-n-propylamine

Concen: 19.293 ng

RT: 7.445 min Scan# 81

Delta R.T. 0.135 min

Lab File: BF142776.D

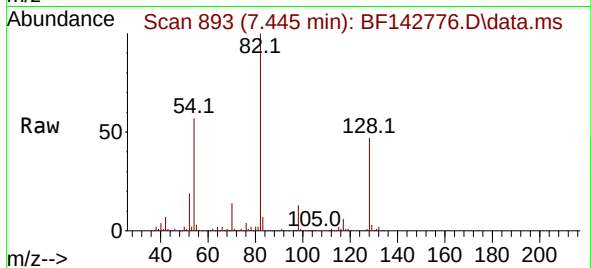
Acq: 18 Jun 2025 13:49

Instrument :

BNA_F

ClientSampleId :

MW-06



Tgt Ion: 70 Resp: 61723

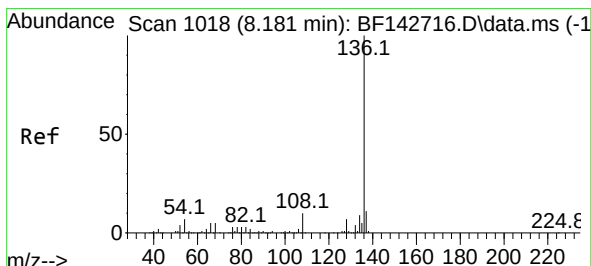
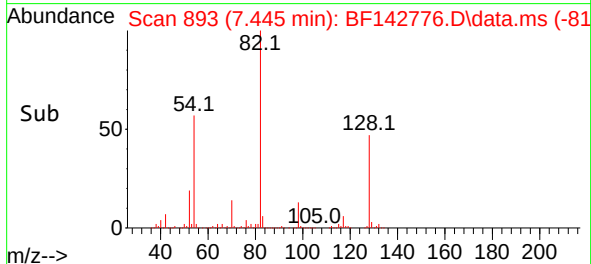
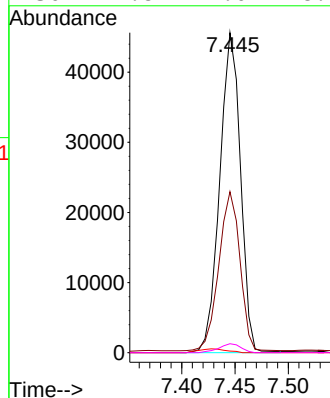
Ion Ratio Lower Upper

70 100

42 50.3 50.2 75.4

101 0.5 8.3 12.5#

130 2.8 19.0 28.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.163 min Scan# 1015

Delta R.T. -0.018 min

Lab File: BF142776.D

Acq: 18 Jun 2025 13:49

Tgt Ion: 136 Resp: 276703

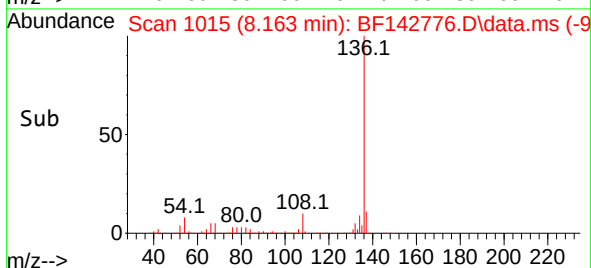
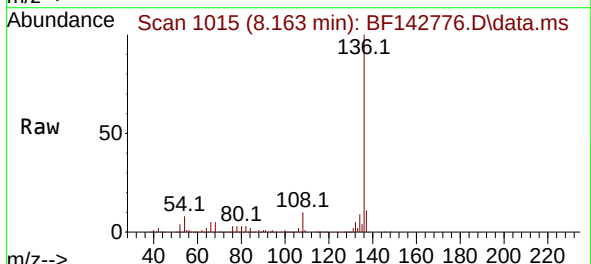
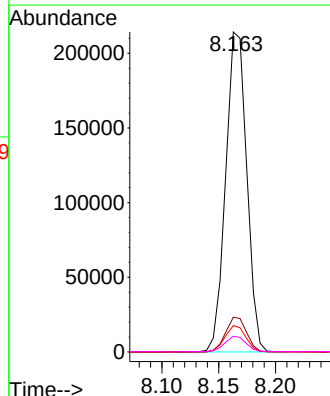
Ion Ratio Lower Upper

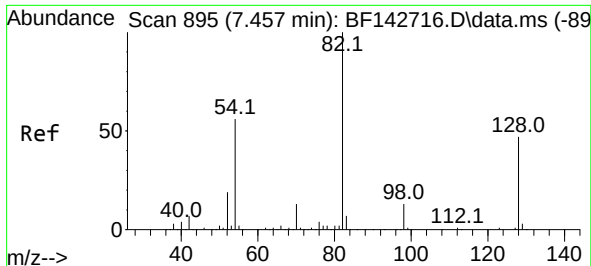
136 100

137 10.8 8.7 13.1

54 8.2 5.9 8.9

68 4.9 3.7 5.5





#23

Nitrobenzene-d5

Concen: 89.128 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF142776.D

Acq: 18 Jun 2025 13:49

Instrument :

BNA_F

ClientSampleId :

MW-06

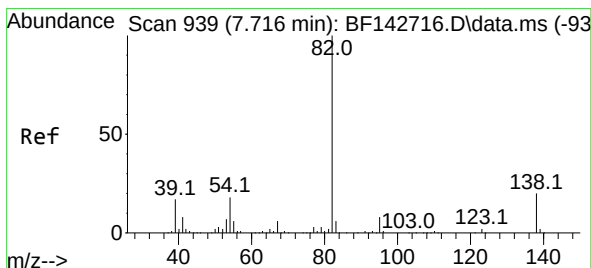
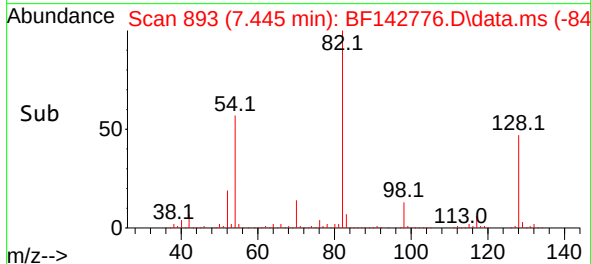
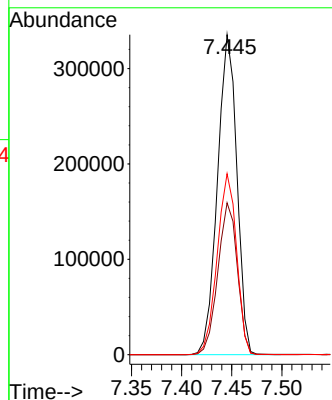
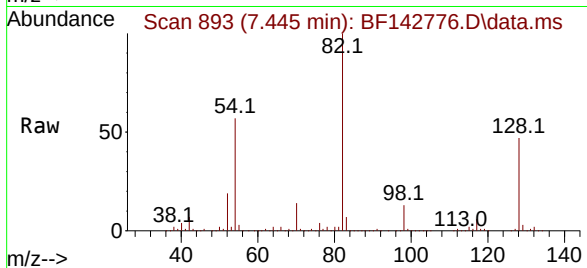
Tgt Ion: 82 Resp: 450633

Ion Ratio Lower Upper

82 100

128 47.4 37.8 56.8

54 56.5 44.9 67.3



#25

Isophorone

Concen: 52.461 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.271 min

Lab File: BF142776.D

Acq: 18 Jun 2025 13:49

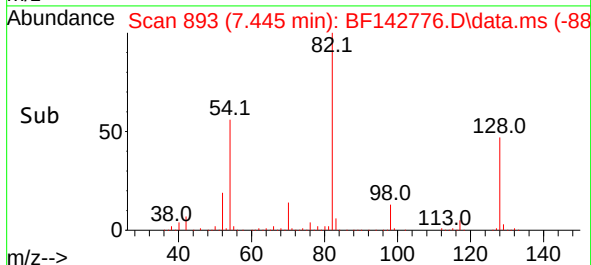
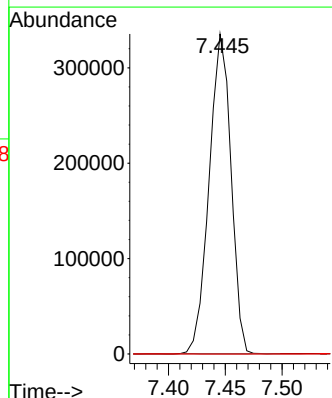
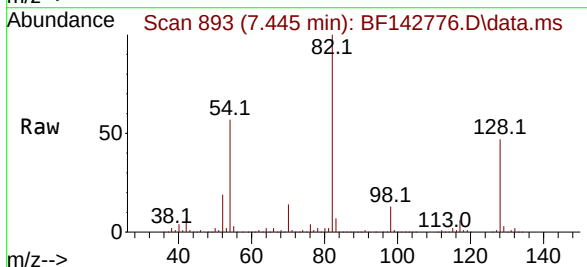
Tgt Ion: 82 Resp: 449093

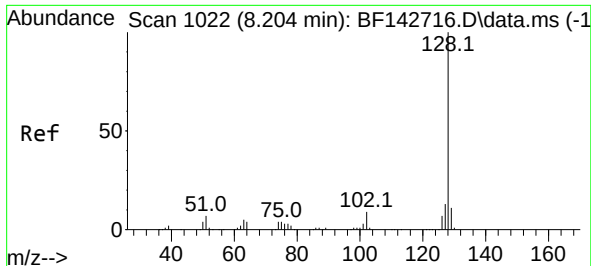
Ion Ratio Lower Upper

82 100

95 0.0 6.0 9.0#

138 0.0 15.8 23.6#

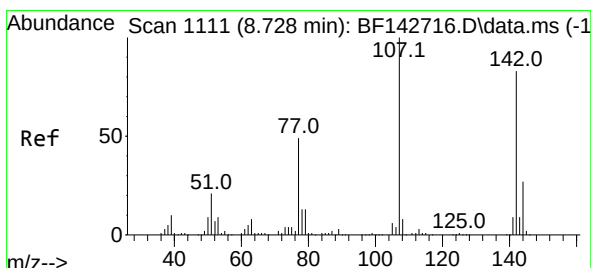
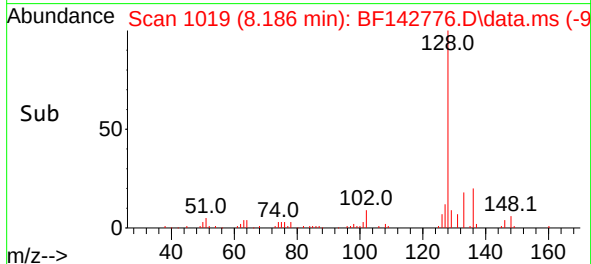
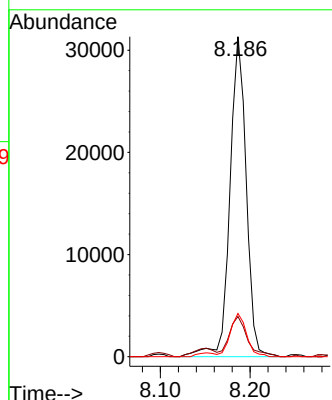
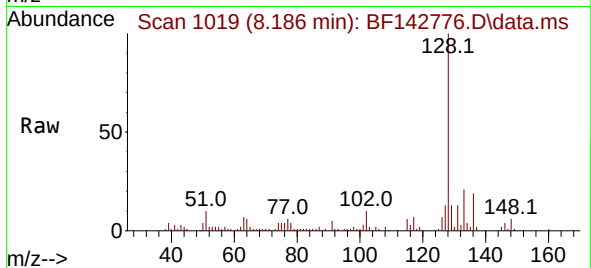




#31
Naphthalene
Concen: 2.894 ng
RT: 8.186 min Scan# 1109
Delta R.T. -0.018 min
Lab File: BF142776.D
Acq: 18 Jun 2025 13:49

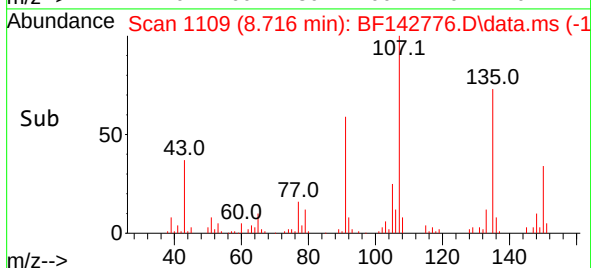
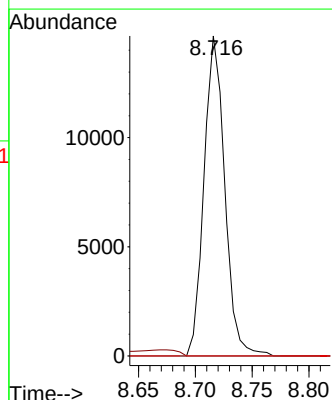
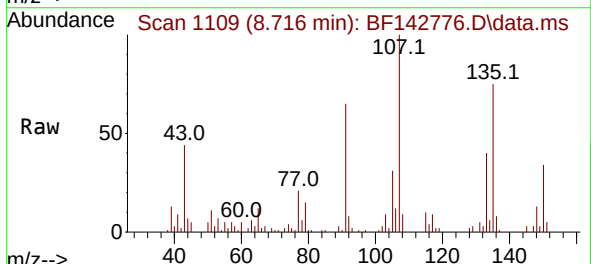
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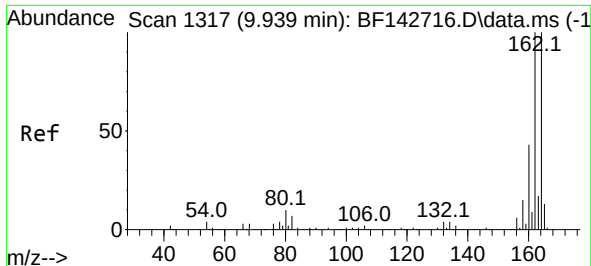
Tgt Ion:128 Resp: 39603
Ion Ratio Lower Upper
128 100
129 12.5 8.7 13.1
127 13.5 10.4 15.6



#36
4-Chloro-3-methylphenol
Concen: 4.548 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BF142776.D
Acq: 18 Jun 2025 13:49

Tgt Ion:107 Resp: 18610
Ion Ratio Lower Upper
107 100
144 0.0 21.3 31.9#
142 0.0 66.2 99.2#

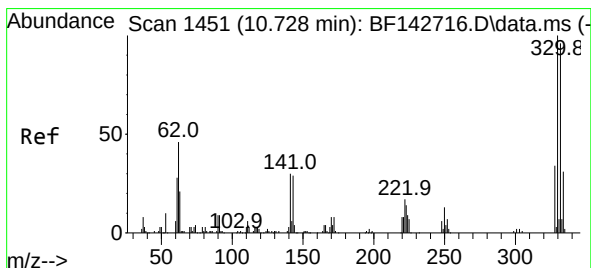
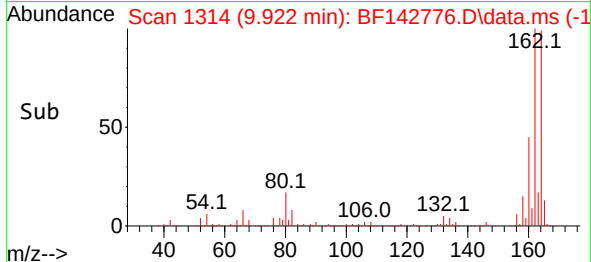
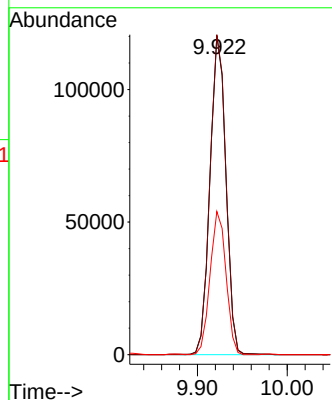
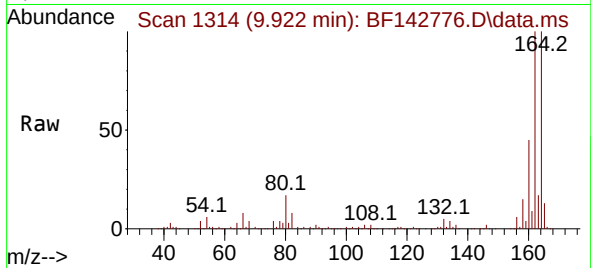




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF142776.D
Acq: 18 Jun 2025 13:49

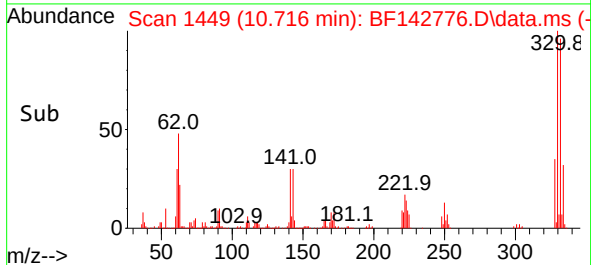
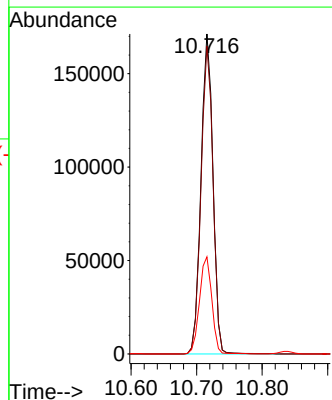
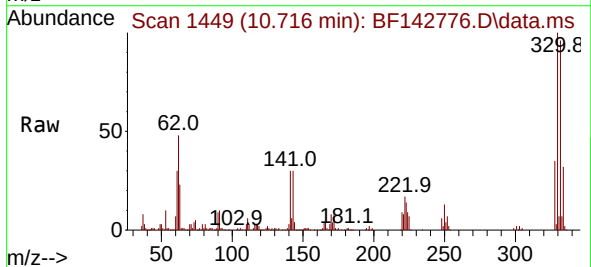
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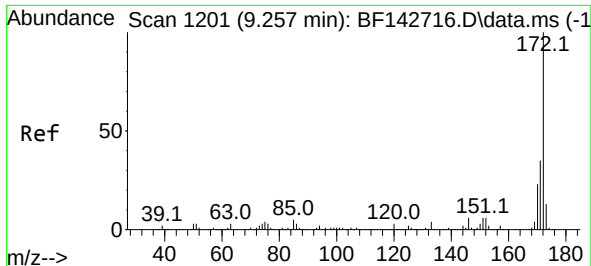
Tgt Ion:164 Resp: 148072
Ion Ratio Lower Upper
164 100
162 100.4 79.9 119.9
160 44.9 34.8 52.2



#42
2,4,6-Tribromophenol
Concen: 134.104 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF142776.D
Acq: 18 Jun 2025 13:49

Tgt Ion:330 Resp: 217630
Ion Ratio Lower Upper
330 100
332 96.5 77.0 115.6
141 31.4 25.4 38.0





#45

2-Fluorobiphenyl

Concen: 83.968 ng

RT: 9.245 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF142776.D

Acq: 18 Jun 2025 13:49

Instrument :

BNA_F

ClientSampleId :

MW-06

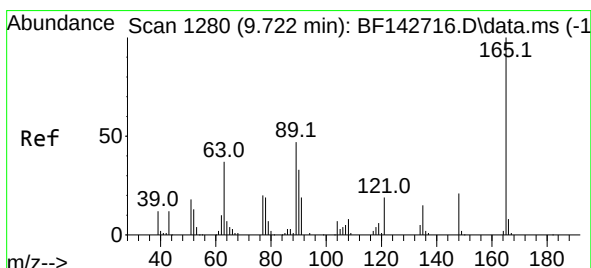
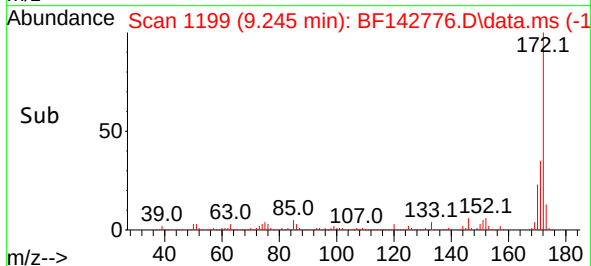
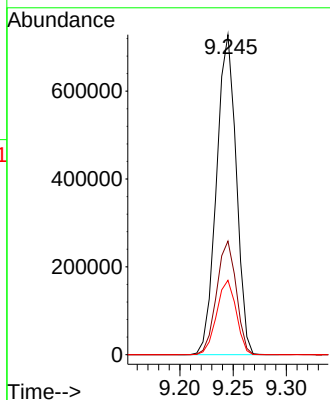
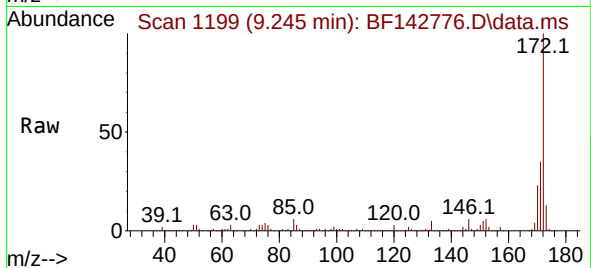
Tgt Ion:172 Resp: 935846

Ion Ratio Lower Upper

172 100

171 35.5 28.1 42.1

170 23.3 18.6 27.8



#51

2,6-Dinitrotoluene

Concen: 9.162 ng

RT: 9.922 min Scan# 1314

Delta R.T. 0.200 min

Lab File: BF142776.D

Acq: 18 Jun 2025 13:49

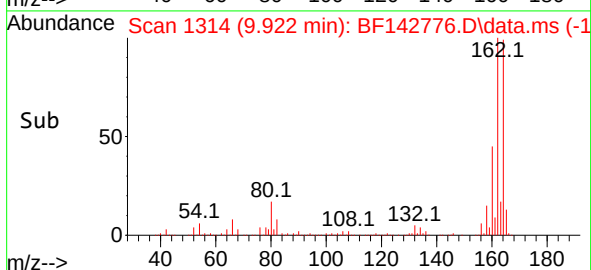
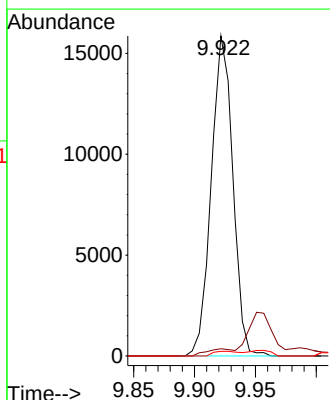
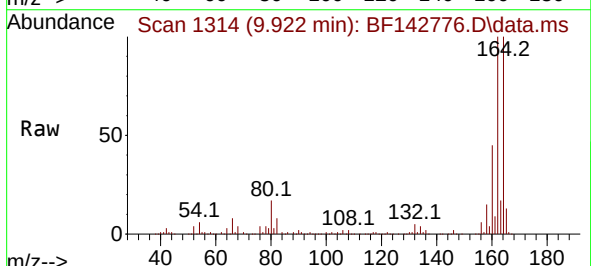
Tgt Ion:165 Resp: 19579

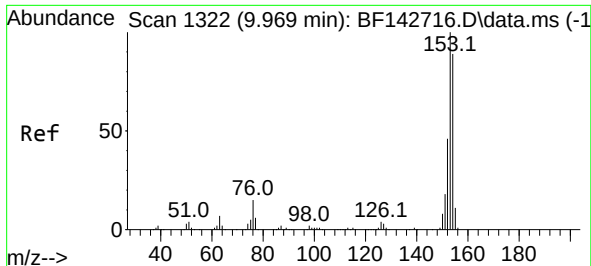
Ion Ratio Lower Upper

165 100

63 2.3 40.6 60.8#

89 1.4 37.6 56.4#

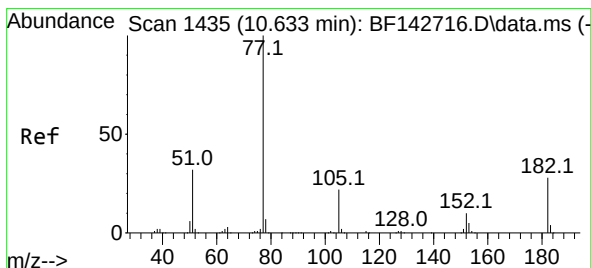
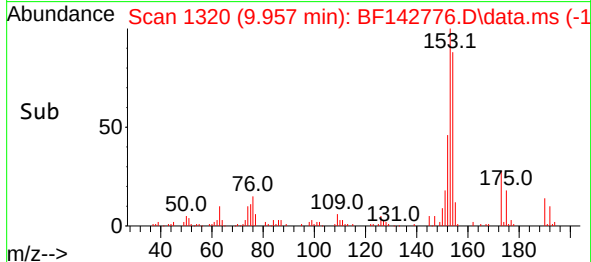
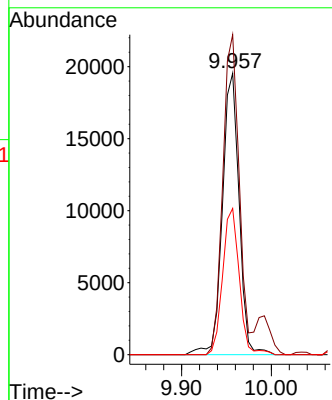
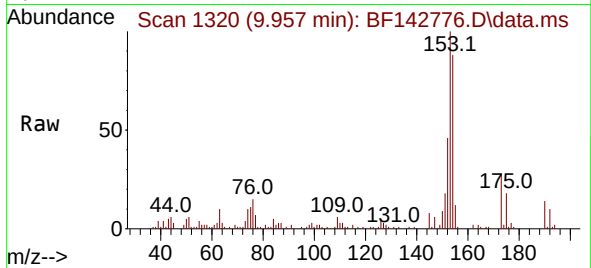




#52
Acenaphthene
Concen: 2.848 ng
RT: 9.957 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142776.D
Acq: 18 Jun 2025 13:49

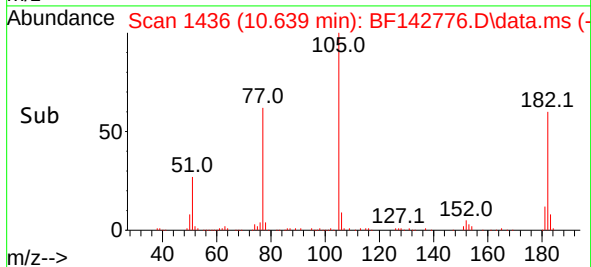
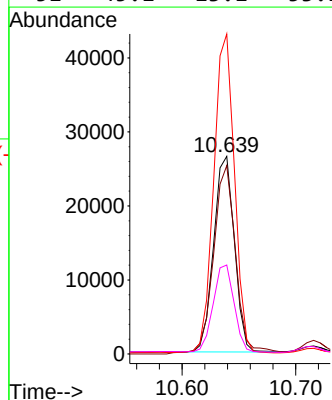
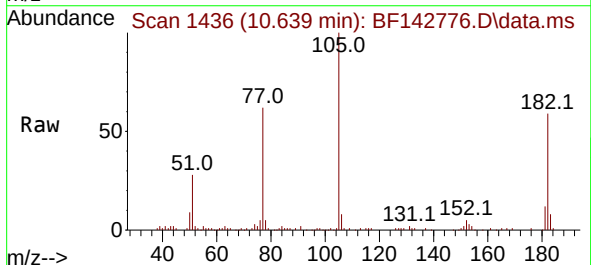
Instrument :
BNA_F
ClientSampleId :
MW-06

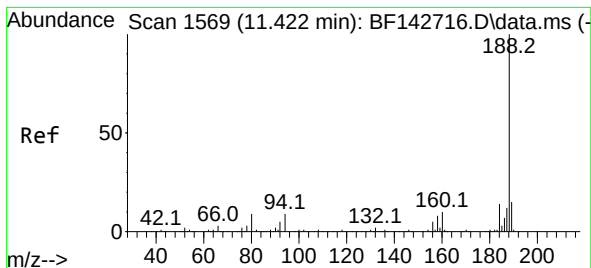
Tgt Ion:154 Resp: 25223
Ion Ratio Lower Upper
154 100
153 113.7 90.1 135.1
152 52.0 41.9 62.9



#63
Azobenzene
Concen: 3.918 ng
RT: 10.639 min Scan# 1436
Delta R.T. 0.006 min
Lab File: BF142776.D
Acq: 18 Jun 2025 13:49

Tgt Ion: 77 Resp: 33549
Ion Ratio Lower Upper
77 100
182 95.3 7.8 47.8#
105 162.0 1.9 41.9#
51 45.1 13.1 53.1





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.410 min Scan# 1

Delta R.T. -0.012 min

Lab File: BF142776.D

Acq: 18 Jun 2025 13:49

Instrument :

BNA_F

ClientSampleId :

MW-06

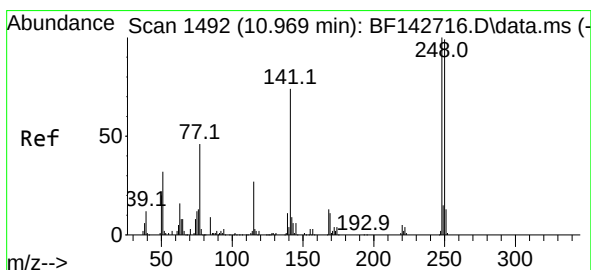
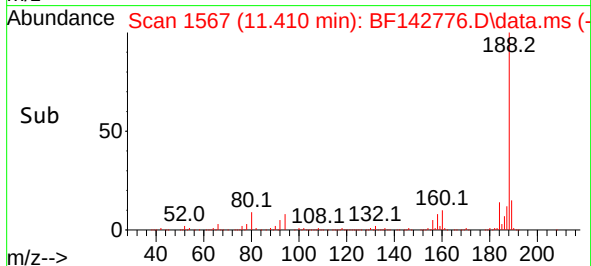
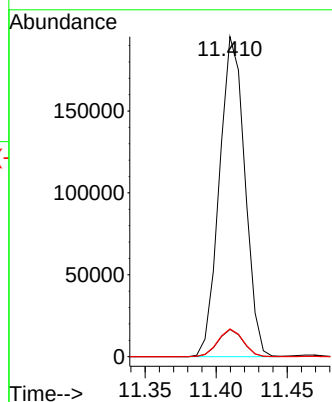
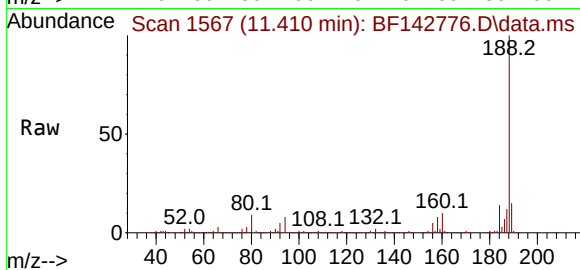
Tgt Ion:188 Resp: 243522

Ion Ratio Lower Upper

188 100

94 8.5 6.8 10.2

80 8.7 7.1 10.7



#67

4-Bromophenyl-phenylether

Concen: 4.859 ng

RT: 10.716 min Scan# 1449

Delta R.T. -0.253 min

Lab File: BF142776.D

Acq: 18 Jun 2025 13:49

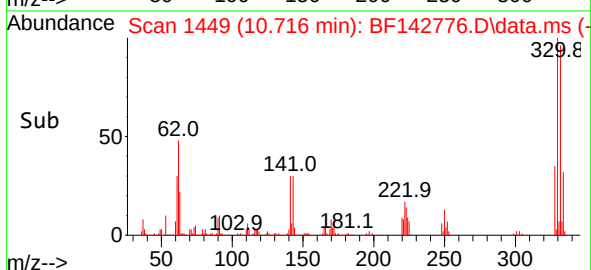
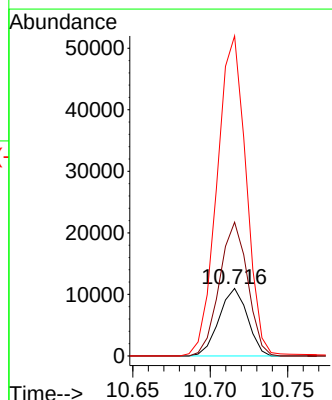
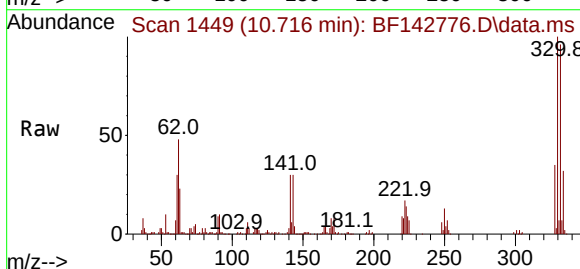
Tgt Ion:248 Resp: 13966

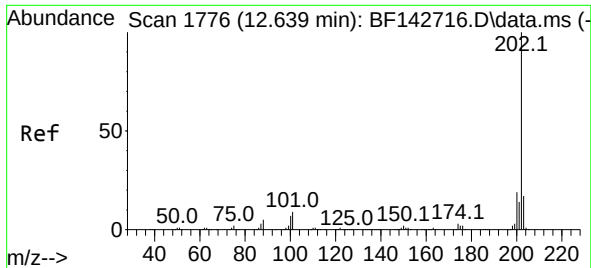
Ion Ratio Lower Upper

248 100

250 198.1 79.2 118.8#

141 474.1 59.3 88.9#

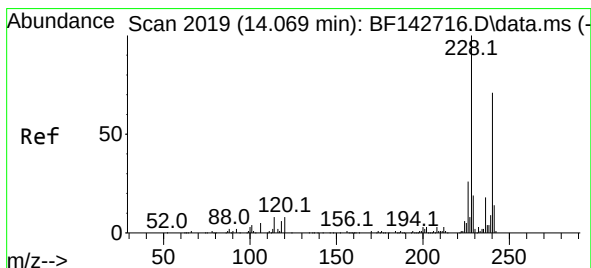
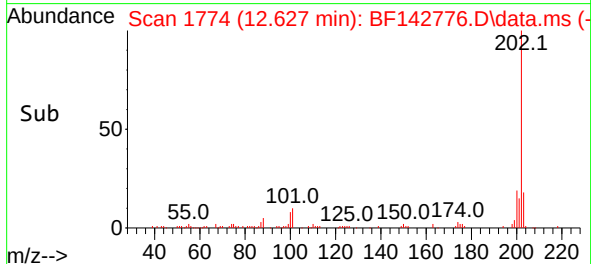
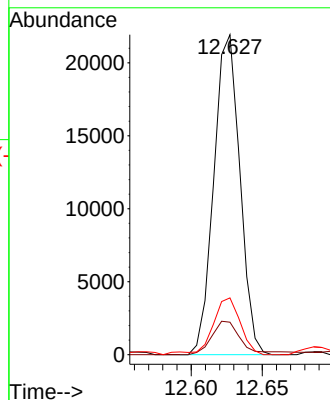
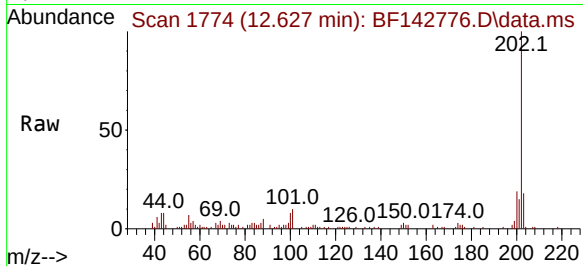




#75
Fluoranthene
Concen: 2.255 ng
RT: 12.627 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142776.D
Acq: 18 Jun 2025 13:49

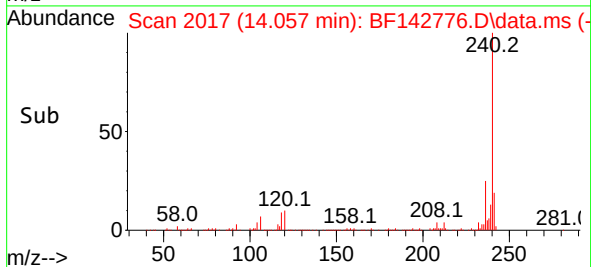
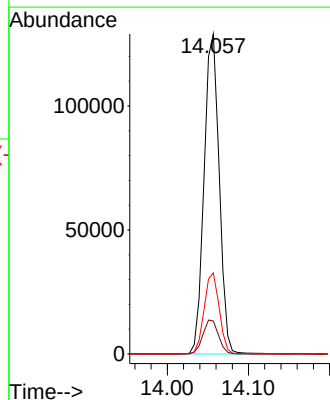
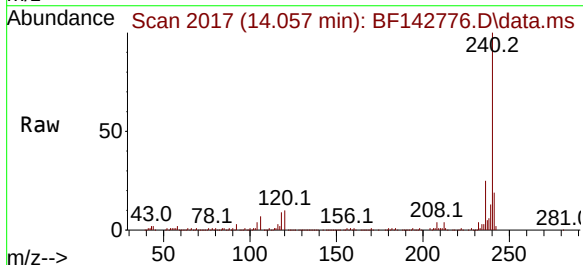
Instrument :
BNA_F
ClientSampleId :
MW-06

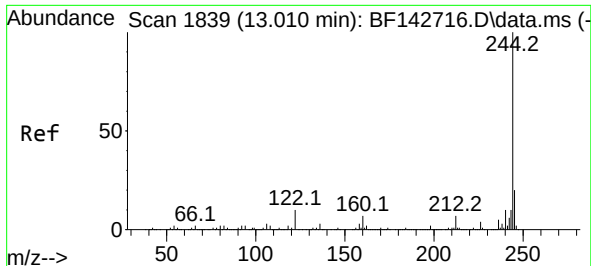
Tgt Ion:	202	Resp:	27972
Ion Ratio	Lower	Upper	
202	100		
101	10.1	0.0	29.5
203	17.7	0.0	37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.012 min
Lab File: BF142776.D
Acq: 18 Jun 2025 13:49

Tgt Ion:	240	Resp:	167055
Ion Ratio	Lower	Upper	
240	100		
120	10.3	8.5	12.7
236	25.4	20.1	30.1

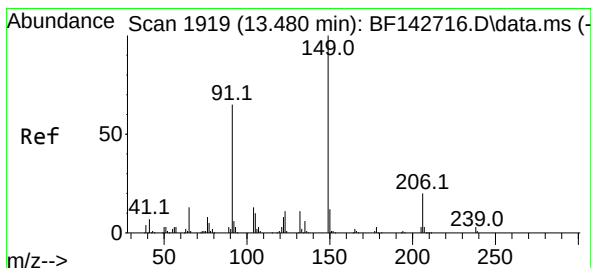
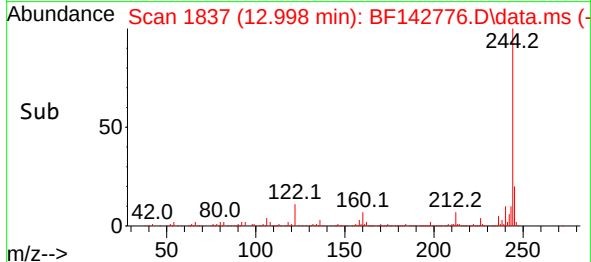
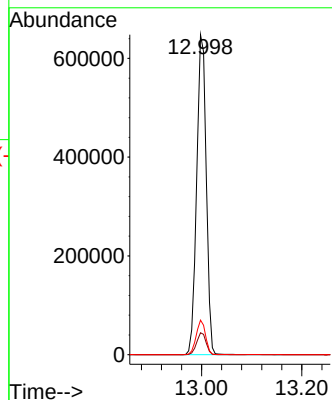
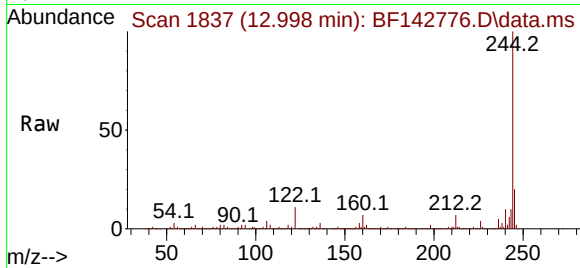




#79
 Terphenyl-d14
 Concen: 70.221 ng
 RT: 12.998 min Scan# 1839
 Delta R.T. -0.012 min
 Lab File: BF142776.D
 Acq: 18 Jun 2025 13:49

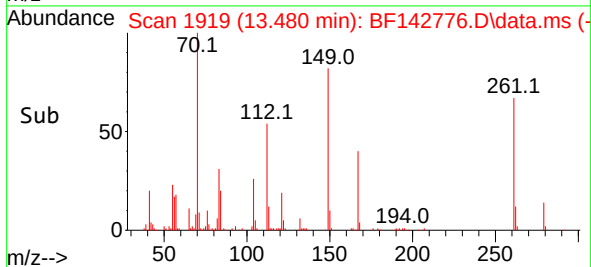
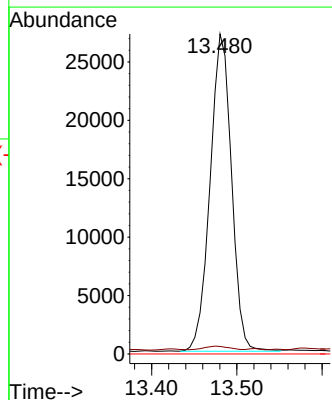
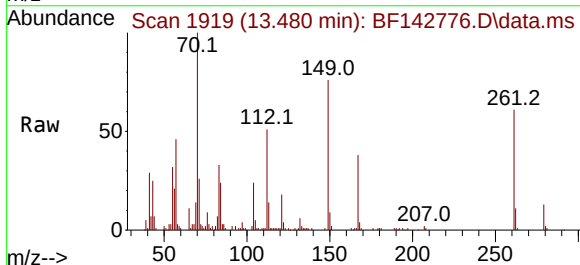
Instrument :
 BNA_F
 ClientSampleId :
 MW-06

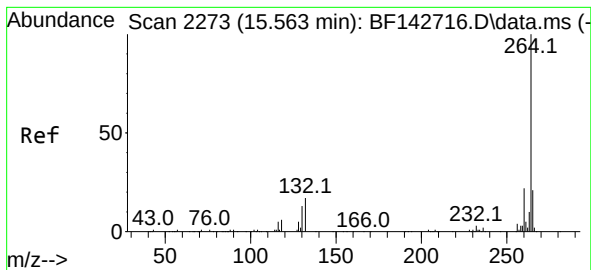
Tgt Ion:244 Resp: 854118
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.4 8.0
 122 10.8 8.3 12.5



#80
 Butylbenzylphthalate
 Concen: 10.328 ng
 RT: 13.480 min Scan# 1919
 Delta R.T. -0.000 min
 Lab File: BF142776.D
 Acq: 18 Jun 2025 13:49

Tgt Ion:149 Resp: 47415
 Ion Ratio Lower Upper
 149 100
 91 2.3 52.3 78.5#
 206 0.0 16.0 24.0#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.018 min

Lab File: BF142776.D

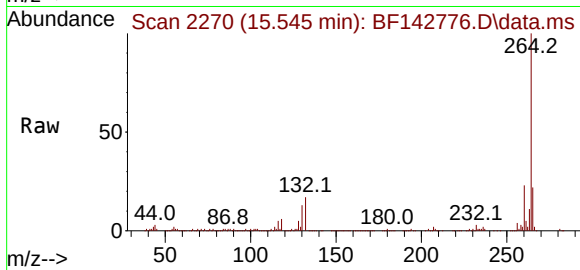
Acq: 18 Jun 2025 13:49

Instrument :

BNA_F

ClientSampleId :

MW-06



Tgt Ion:264 Resp: 173007

Ion Ratio Lower Upper

264 100

260 23.0 17.8 26.6

265 21.5 16.6 25.0

