

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
 Data File : BF142901.D
 Acq On : 27 Jun 2025 19:10
 Operator : RC/JU
 Sample : Q2420-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 72-11933

Quant Time: Jun 27 22:40:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

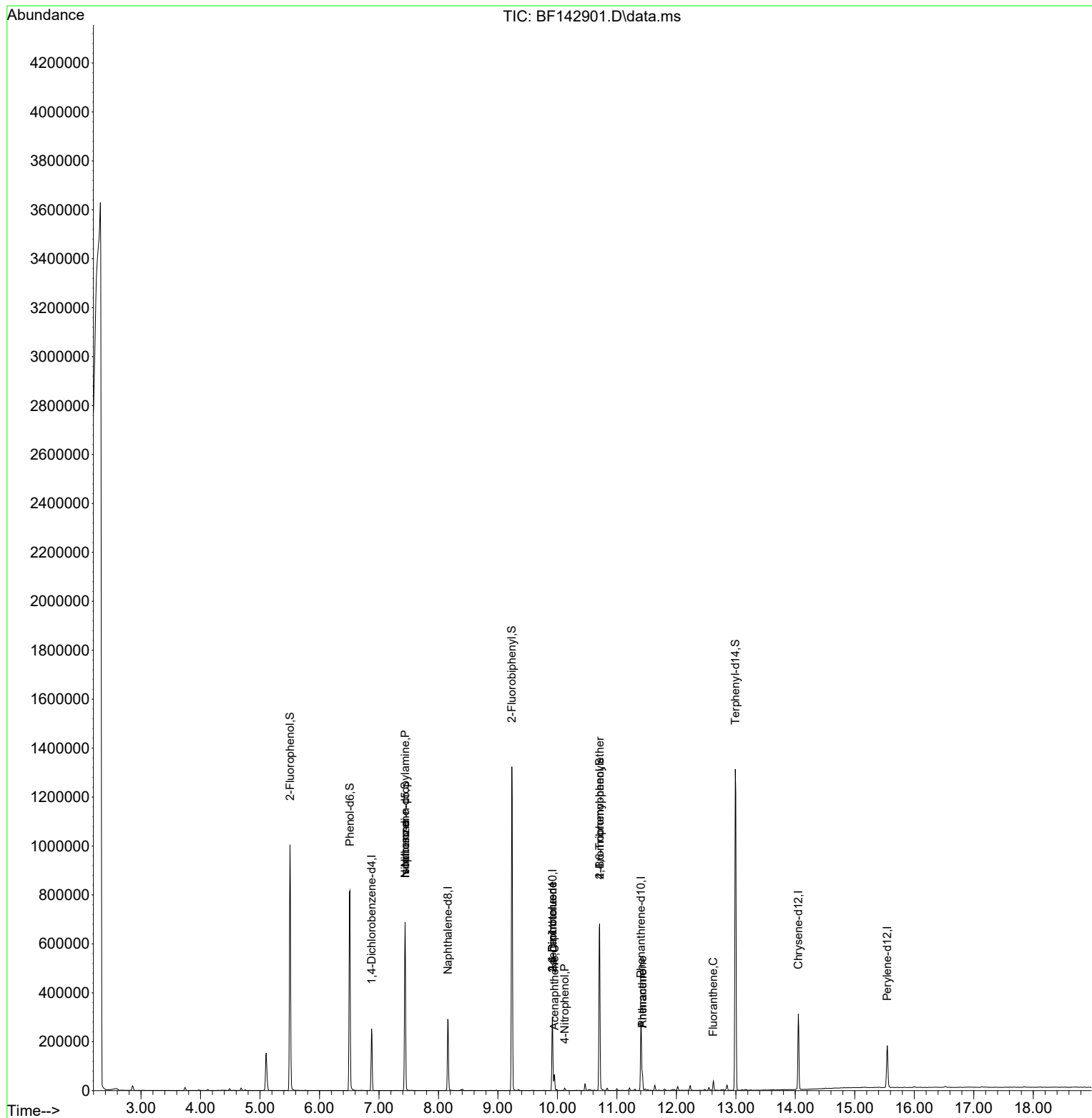
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	56236	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	196491	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	89932	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	147476	20.000	ng	0.00
76) Chrysene-d12	14.051	240	149469	20.000	ng	0.00
86) Perylene-d12	15.545	264	103761	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	386448	114.412	ng	0.01
7) Phenol-d6	6.510	99	390633	98.025	ng	0.00
23) Nitrobenzene-d5	7.439	82	290911	81.208	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	121600	131.394	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	592366	86.529	ng	-0.01
79) Terphenyl-d14	12.992	244	649160	60.009	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	7.439	70	39460	17.026	ng	# 75
25) Isophorone	7.439	82	290907	50.623	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	11538	9.025	ng	# 26
52) Acenaphthene	9.951	154	21778	4.067	ng	# 99
56) 4-Nitrophenol	10.122	139	2238	2.323	ng	# 10
57) 2,4-Dinitrotoluene	9.916	165	11538	6.795	ng	# 26
67) 4-Bromophenyl-phenylether	10.710	248	7782	4.637	ng	# 1
71) Phenanthrene	11.427	178	37350	4.675	ng	99
72) Anthracene	11.427	178	37350	4.559	ng	99
75) Fluoranthene	12.621	202	22066	2.910	ng	99

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

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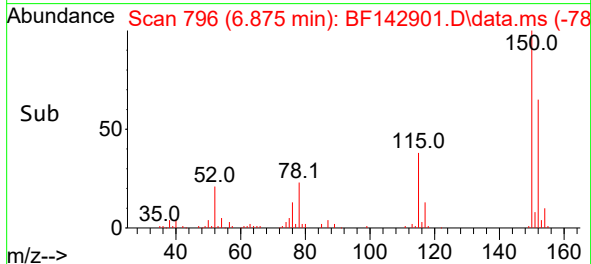
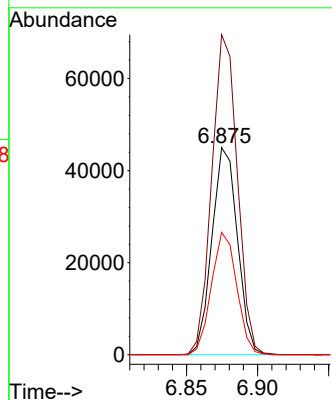
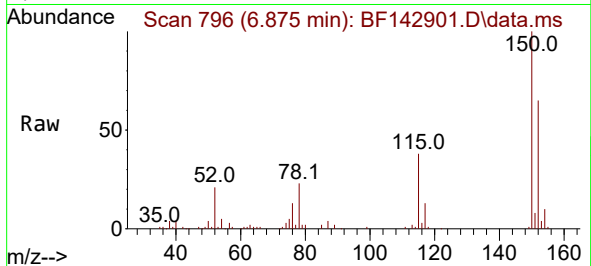




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

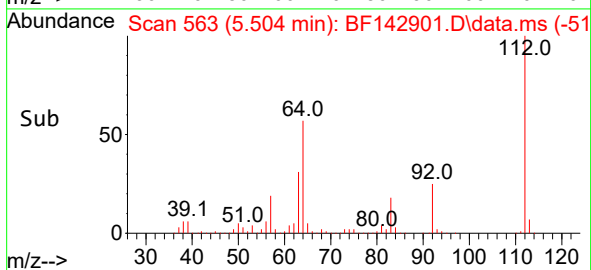
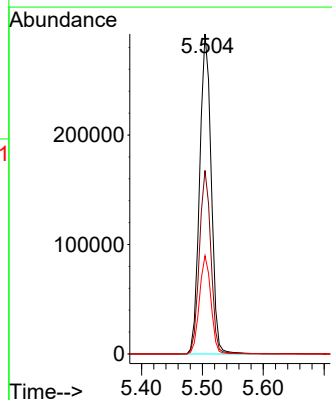
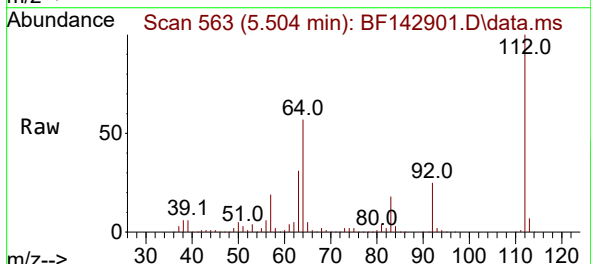
Instrument :
BNA_F
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72-11933

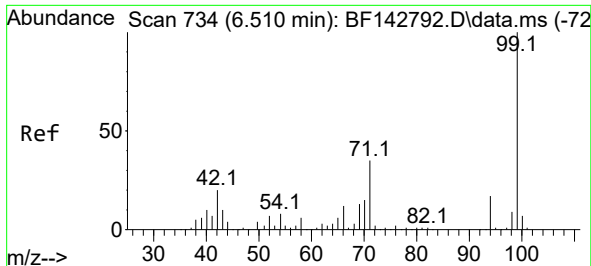
Tgt Ion:152 Resp: 56236
Ion Ratio Lower Upper
152 100
150 154.6 127.2 190.8
115 59.1 46.6 69.8



#5
2-Fluorophenol
Concen: 114.412 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.012 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Tgt Ion:112 Resp: 386448
Ion Ratio Lower Upper
112 100
64 57.4 48.2 72.2
63 30.7 25.7 38.5





#7

Phenol-d6

Concen: 98.025 ng

RT: 6.510 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF142901.D

Acq: 27 Jun 2025 19:10

Instrument :

BNA_F

ClientSampleId :

72-11933

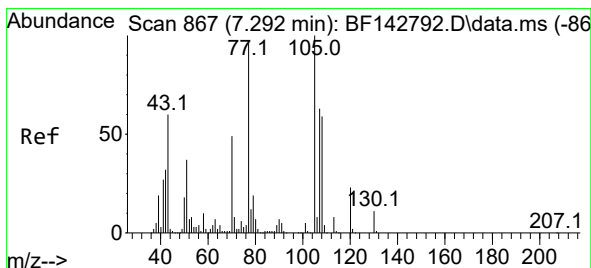
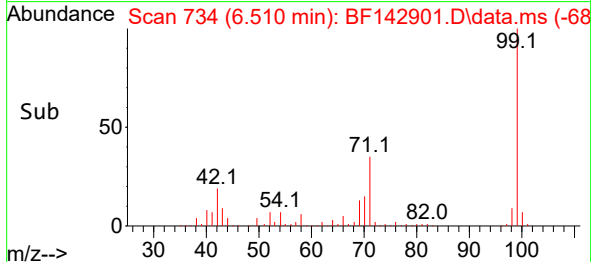
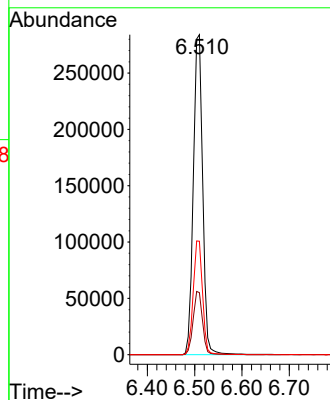
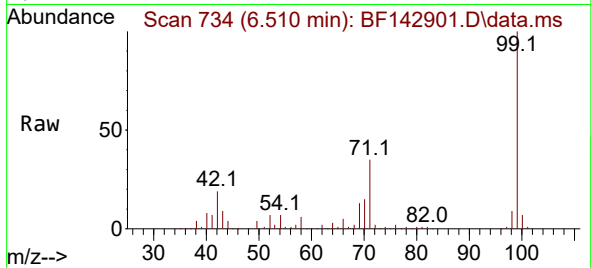
Tgt Ion: 99 Resp: 390633

Ion Ratio Lower Upper

99 100

42 19.4 15.9 23.9

71 35.5 27.8 41.8



#19

n-Nitroso-di-n-propylamine

Concen: 17.026 ng

RT: 7.439 min Scan# 892

Delta R.T. 0.147 min

Lab File: BF142901.D

Acq: 27 Jun 2025 19:10

Tgt Ion: 70 Resp: 39460

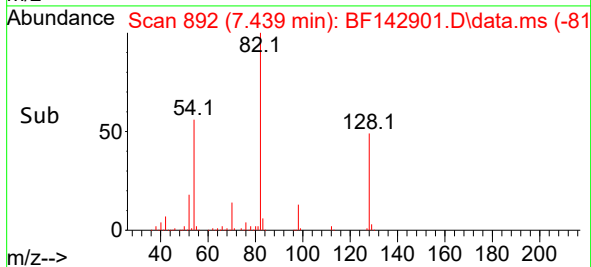
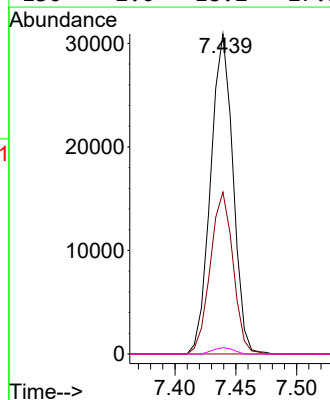
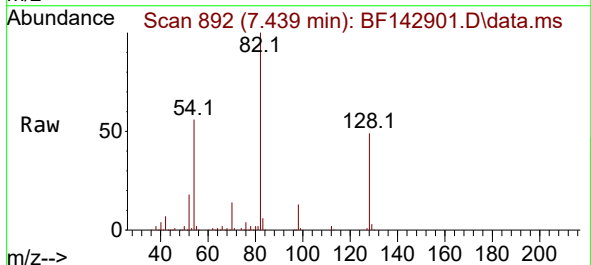
Ion Ratio Lower Upper

70 100

42 50.6 52.1 78.1#

101 0.0 8.2 12.2#

130 2.0 18.2 27.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.157 min Scan# 1014

Delta R.T. -0.012 min

Lab File: BF142901.D

Acq: 27 Jun 2025 19:10

Instrument :

BNA_F

ClientSampleId :

72-11933

Tgt Ion:136 Resp: 196491

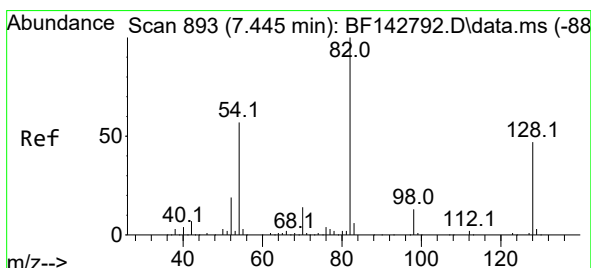
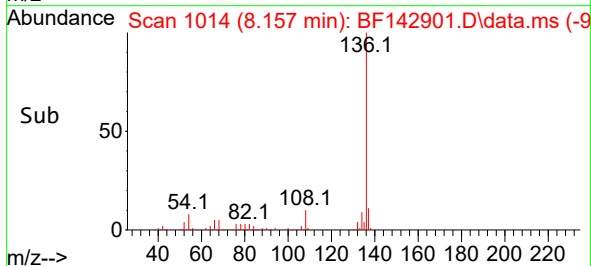
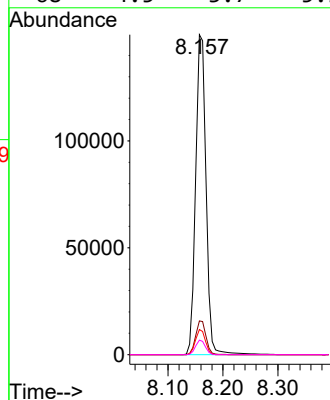
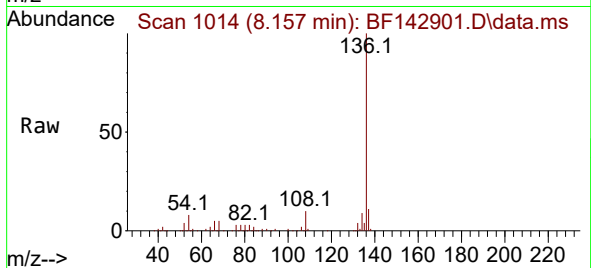
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 7.9 6.3 9.5

68 4.5 3.7 5.5



#23

Nitrobenzene-d5

Concen: 81.208 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF142901.D

Acq: 27 Jun 2025 19:10

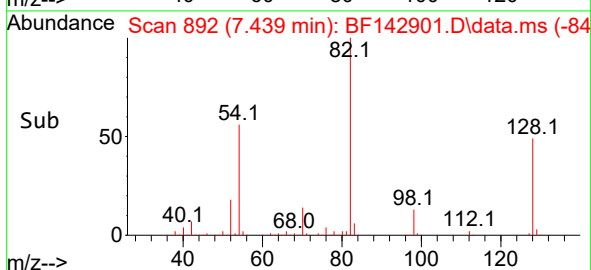
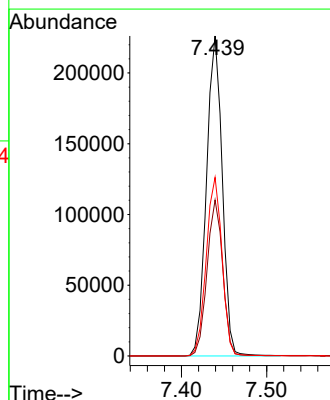
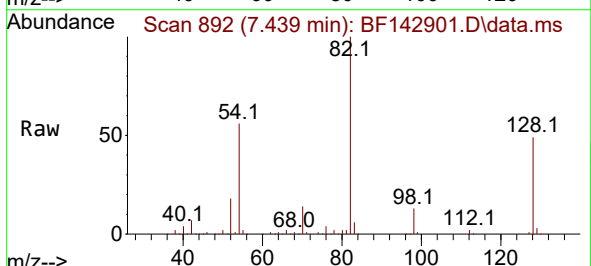
Tgt Ion: 82 Resp: 290911

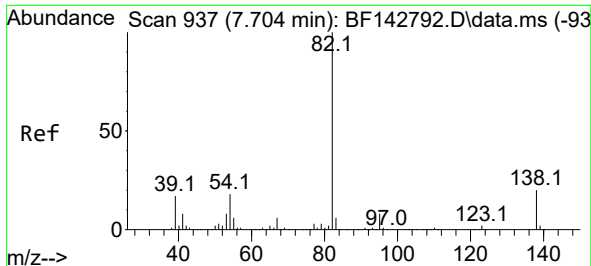
Ion Ratio Lower Upper

82 100

128 48.7 37.7 56.5

54 55.8 45.7 68.5

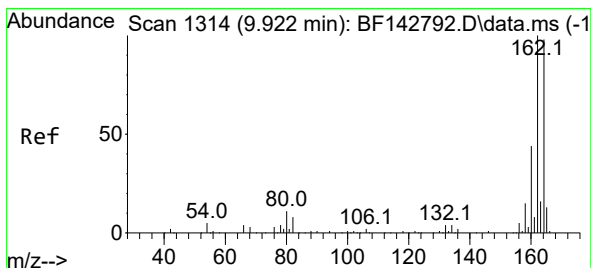
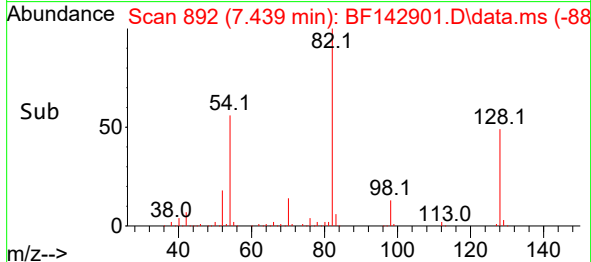
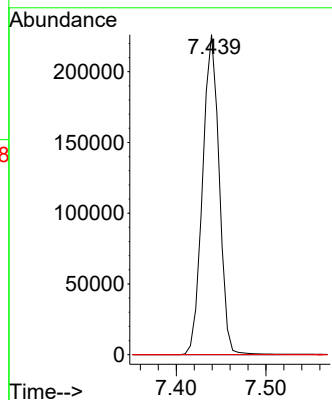
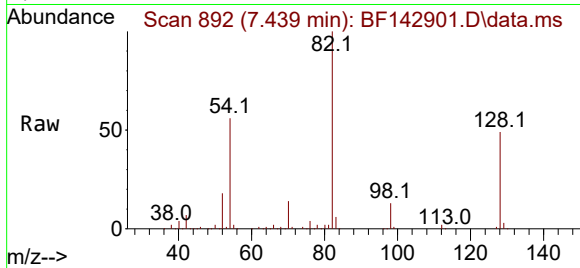




#25
Isophorone
Concen: 50.623 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

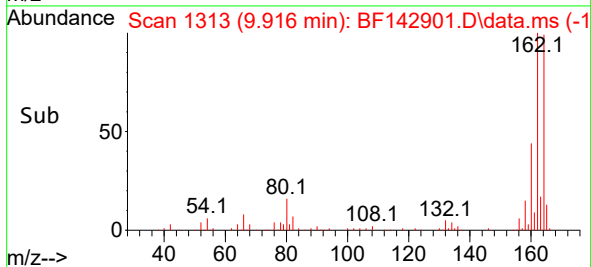
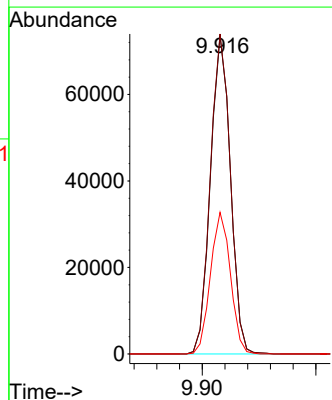
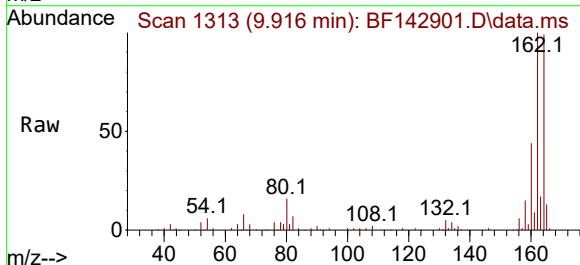
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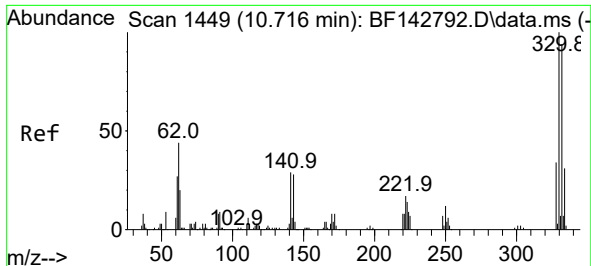
Tgt Ion: 82 Resp: 290907
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

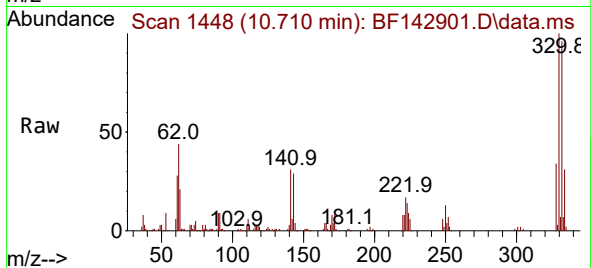
Tgt Ion: 164 Resp: 89932
Ion Ratio Lower Upper
164 100
162 100.6 81.8 122.8
160 44.5 36.0 54.0



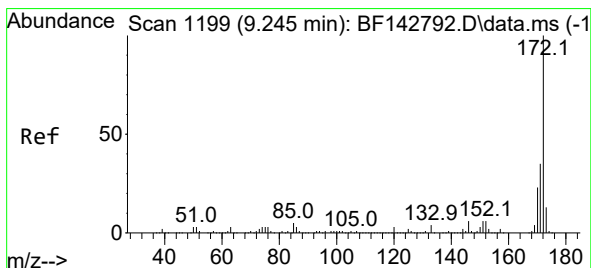
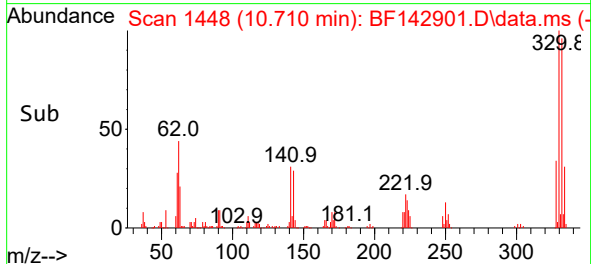
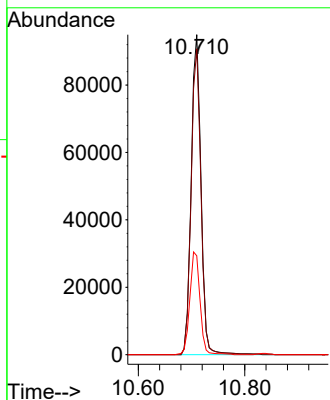


#42
2,4,6-Tribromophenol
Concen: 131.394 ng
RT: 10.710 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Instrument :
BNA_F
ClientSampleId :
72-11933

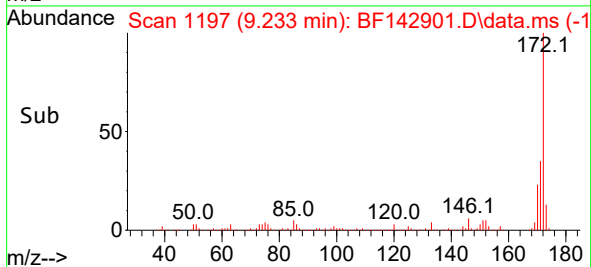
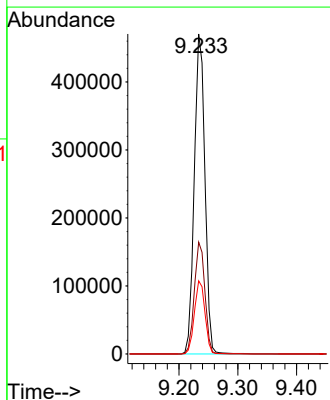
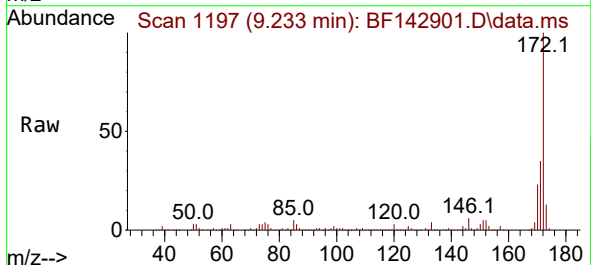


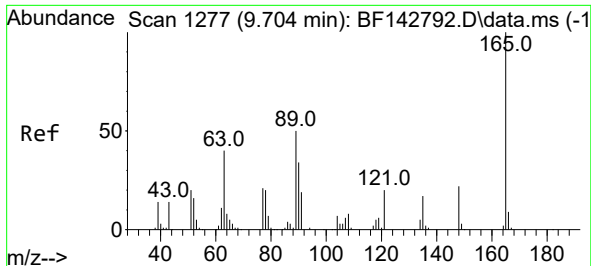
Tgt Ion:330 Resp: 121600
Ion Ratio Lower Upper
330 100
332 95.7 75.0 112.6
141 33.4 25.3 37.9



#45
2-Fluorobiphenyl
Concen: 86.529 ng
RT: 9.233 min Scan# 1197
Delta R.T. -0.012 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Tgt Ion:172 Resp: 592366
Ion Ratio Lower Upper
172 100
171 34.9 28.2 42.4
170 22.9 18.5 27.7

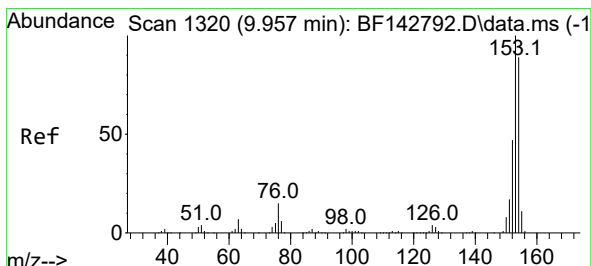
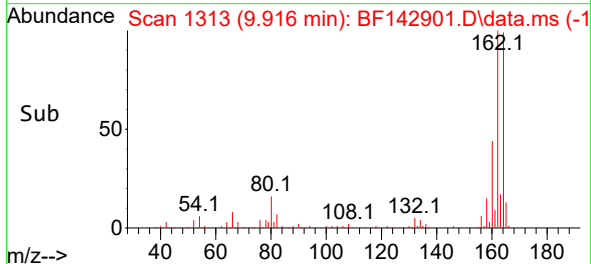
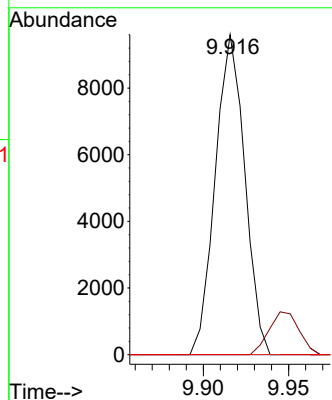
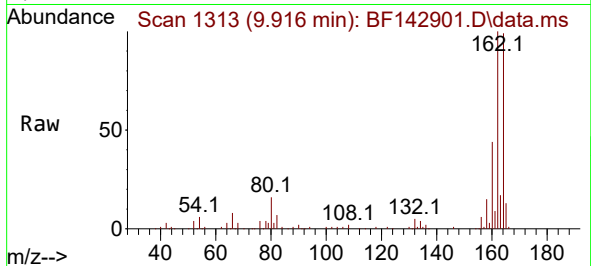




#51
2,6-Dinitrotoluene
Concen: 9.025 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

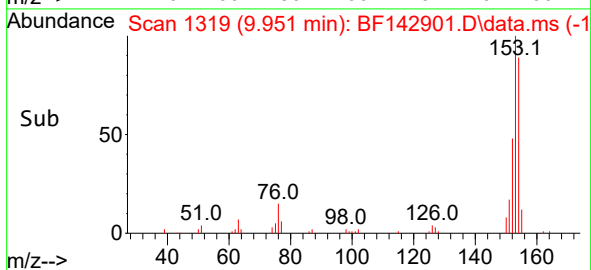
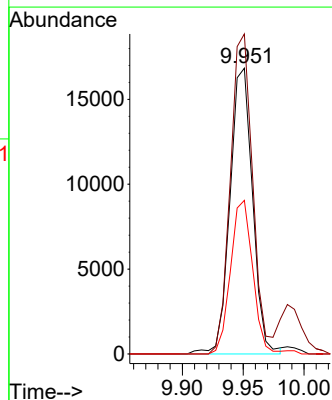
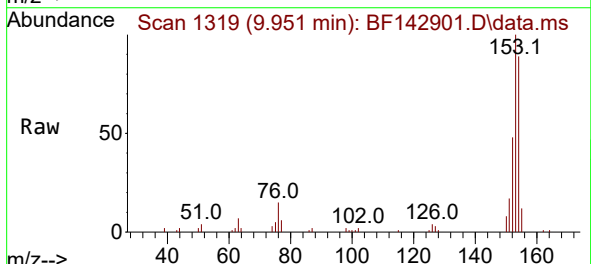
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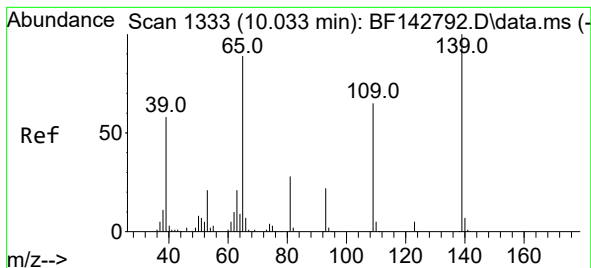
Tgt Ion:165 Resp: 11538
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 0.0 39.8 59.8#



#52
Acenaphthene
Concen: 4.067 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Tgt Ion:154 Resp: 21778
Ion Ratio Lower Upper
154 100
153 112.0 90.0 135.0
152 53.7 41.9 62.9

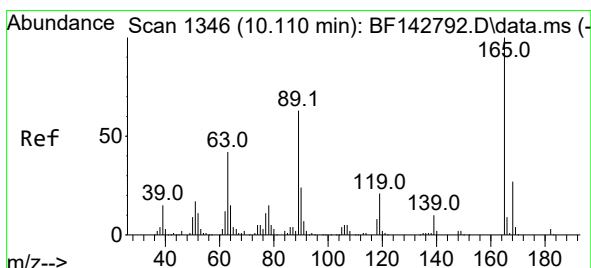
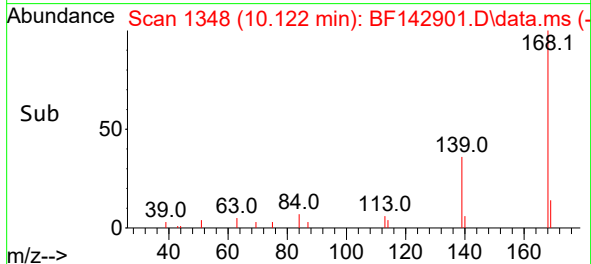
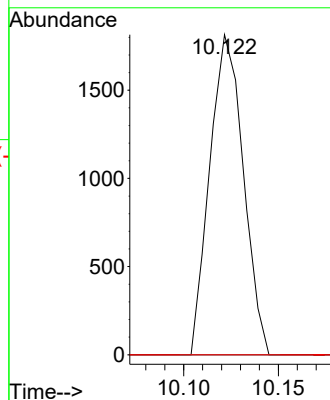
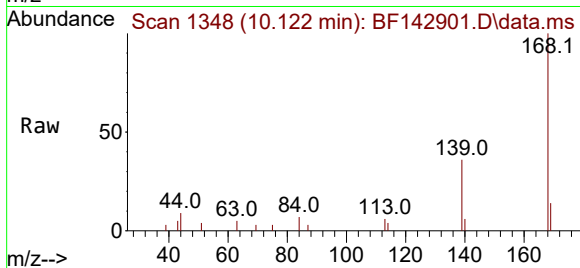




#56
4-Nitrophenol
Concen: 2.323 ng
RT: 10.122 min Scan# 11
Delta R.T. 0.088 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

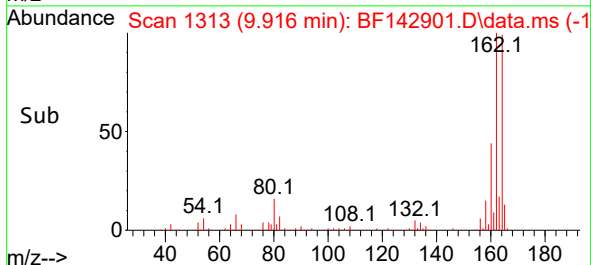
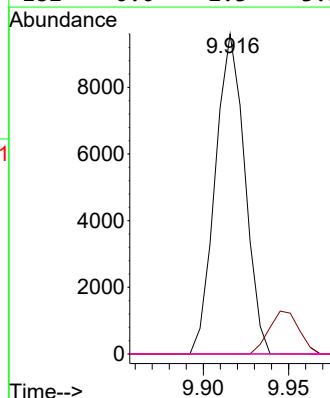
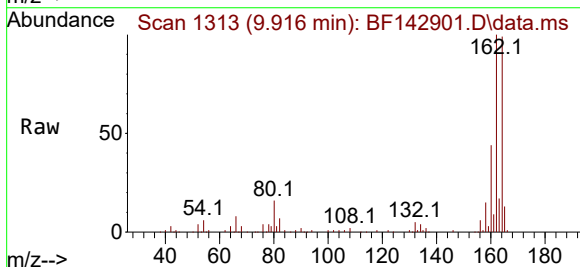
Instrument :
BNA_F
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72-11933

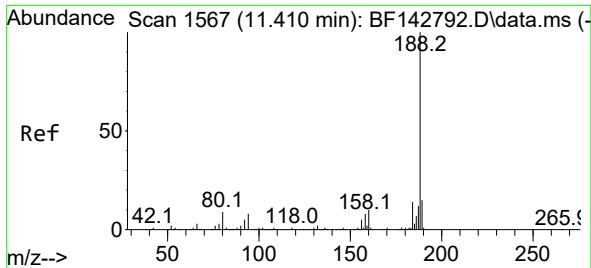
Tgt Ion:139 Resp: 2238
Ion Ratio Lower Upper
139 100
109 0.0 44.7 84.7#
65 0.0 69.8 109.8#



#57
2,4-Dinitrotoluene
Concen: 6.795 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Tgt Ion:165 Resp: 11538
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 0.0 50.6 75.8#
182 0.0 2.3 3.5#

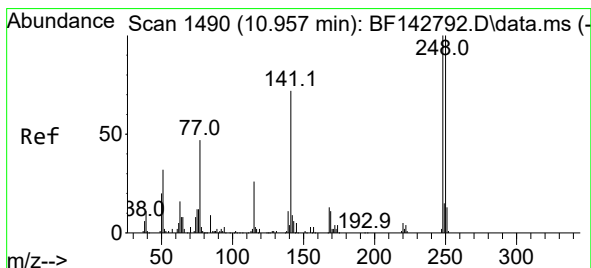
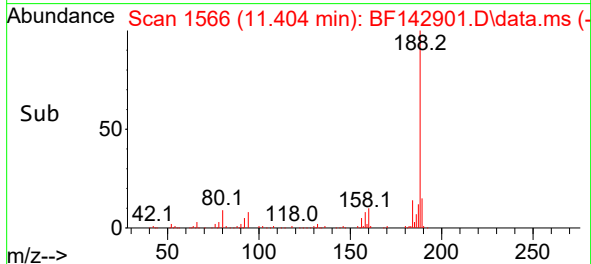
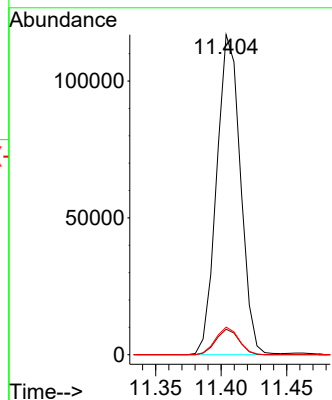
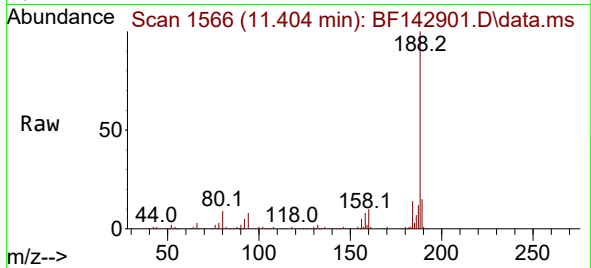




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

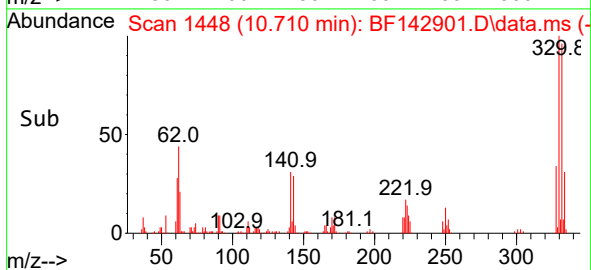
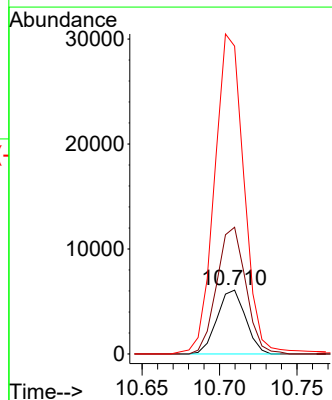
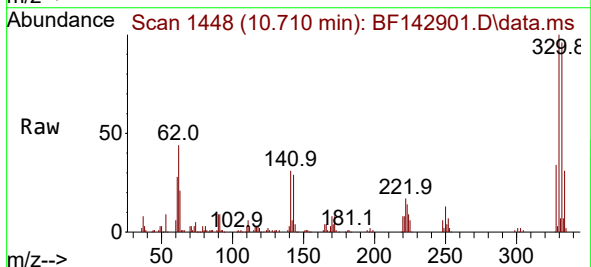
Instrument :
BNA_F
ClientSampleId :
72-11933

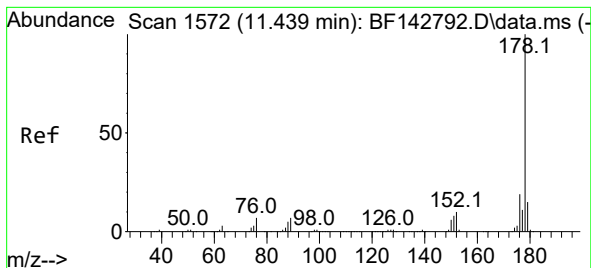
Tgt Ion:188 Resp: 147476
Ion Ratio Lower Upper
188 100
94 8.0 6.7 10.1
80 8.6 6.9 10.3



#67
4-Bromophenyl-phenylether
Concen: 4.637 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.247 min
Lab File: BF142901.D
Acq: 27 Jun 2025 19:10

Tgt Ion:248 Resp: 7782
Ion Ratio Lower Upper
248 100
250 198.4 79.8 119.8#
141 482.0 57.8 86.6#





#71

Phenanthrene

Concen: 4.675 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.012 min

Lab File: BF142901.D

Acq: 27 Jun 2025 19:10

Instrument :

BNA_F

ClientSampleId :

72-11933

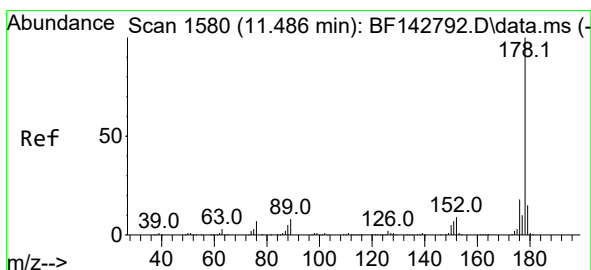
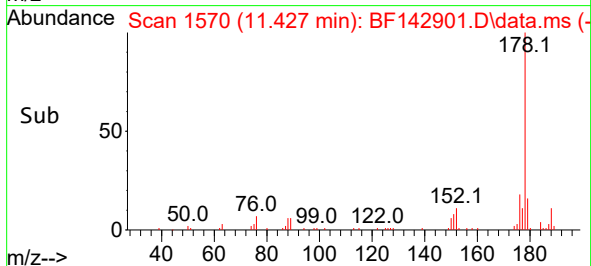
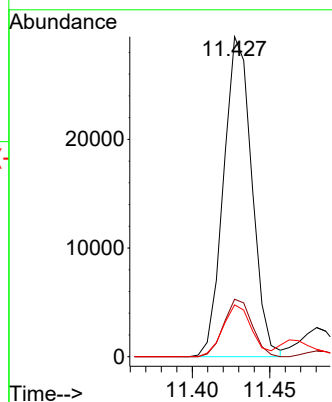
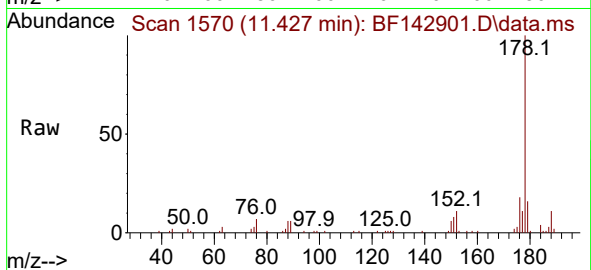
Tgt Ion:178 Resp: 37350

Ion Ratio Lower Upper

178 100

176 18.0 15.1 22.7

179 16.2 12.0 18.0



#72

Anthracene

Concen: 4.559 ng

RT: 11.427 min Scan# 1570

Delta R.T. -0.059 min

Lab File: BF142901.D

Acq: 27 Jun 2025 19:10

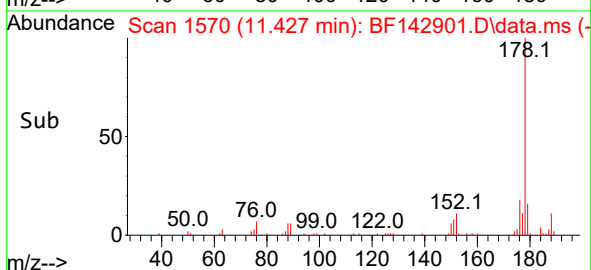
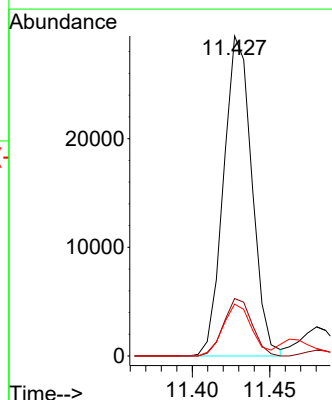
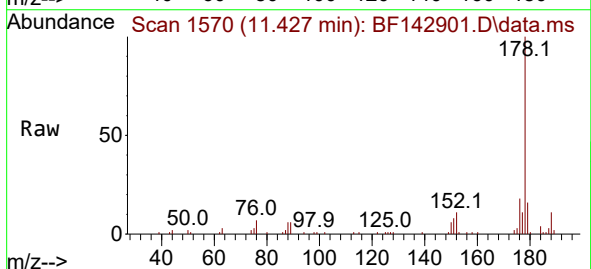
Tgt Ion:178 Resp: 37350

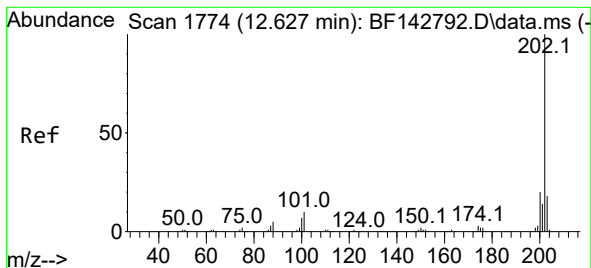
Ion Ratio Lower Upper

178 100

176 18.0 14.6 21.8

179 16.2 12.4 18.6





#75

Fluoranthene

Concen: 2.910 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142901.D

Acq: 27 Jun 2025 19:10

Instrument :

BNA_F

ClientSampleId :

72-11933

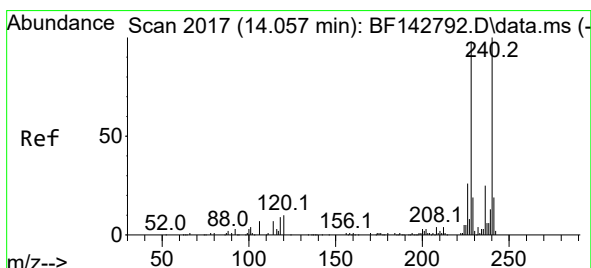
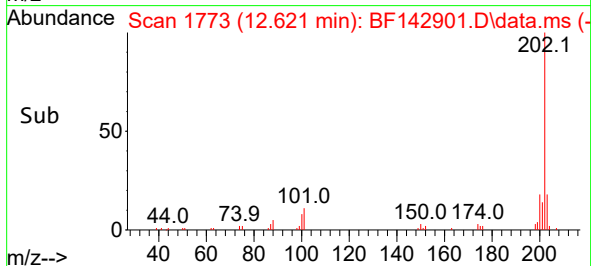
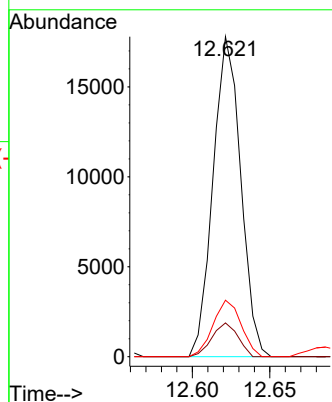
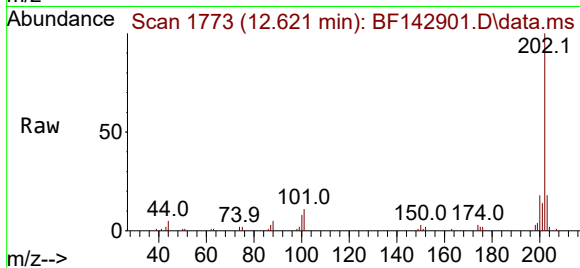
Tgt Ion:202 Resp: 22066

Ion Ratio Lower Upper

202 100

101 10.6 0.0 29.7

203 17.6 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BF142901.D

Acq: 27 Jun 2025 19:10

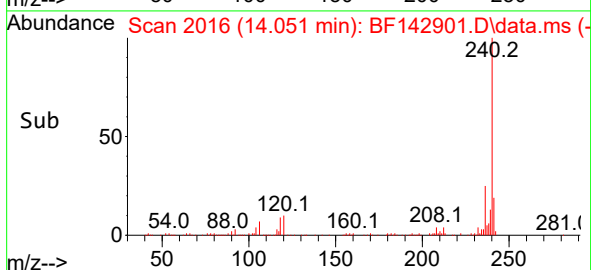
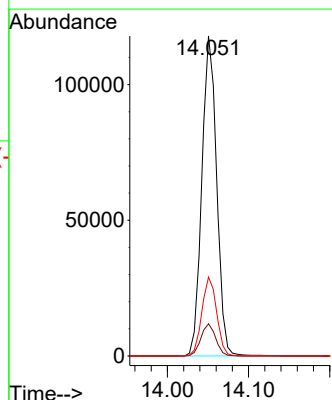
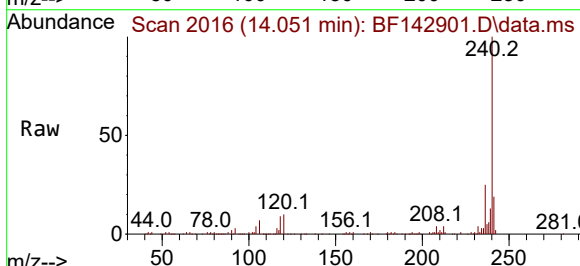
Tgt Ion:240 Resp: 149469

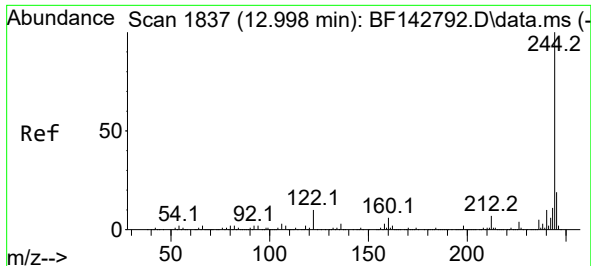
Ion Ratio Lower Upper

240 100

120 10.1 8.2 12.2

236 24.7 19.8 29.8

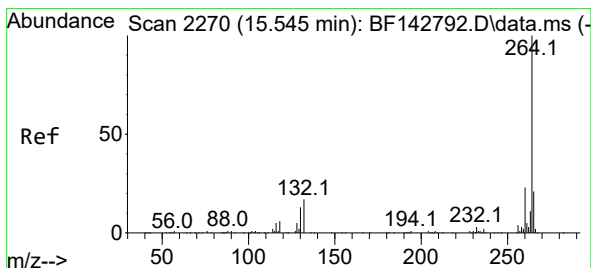
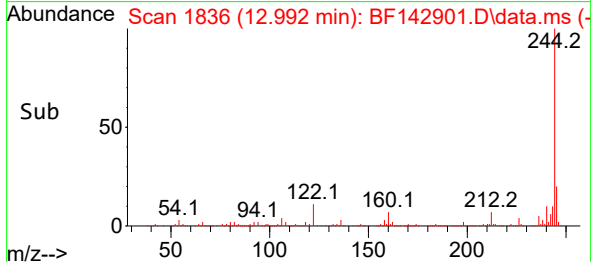
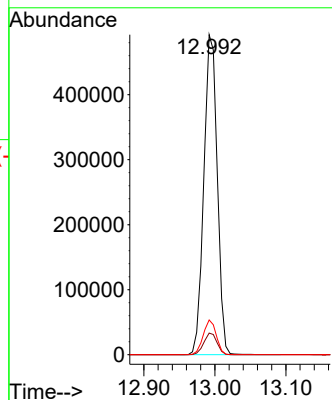
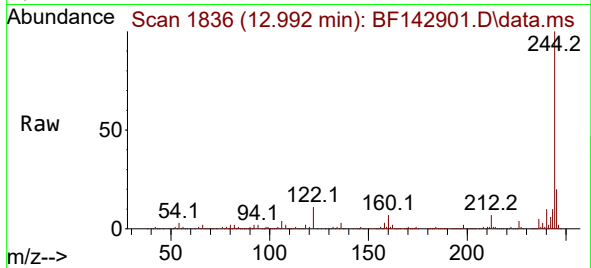




#79
 Terphenyl-d14
 Concen: 60.009 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142901.D
 Acq: 27 Jun 2025 19:10

Instrument :
 BNA_F
 ClientSampleId :
 72-11933

Tgt Ion:244 Resp: 649160
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 10.9 8.2 12.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.545 min Scan# 2270
 Delta R.T. -0.000 min
 Lab File: BF142901.D
 Acq: 27 Jun 2025 19:10

Tgt Ion:264 Resp: 103761
 Ion Ratio Lower Upper
 264 100
 260 22.3 18.1 27.1
 265 21.6 16.6 25.0

