

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
 Data File : BF142746.D
 Acq On : 11 Jun 2025 20:47
 Operator : RC/JU
 Sample : Q2280-01
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 12 01:49:02 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)

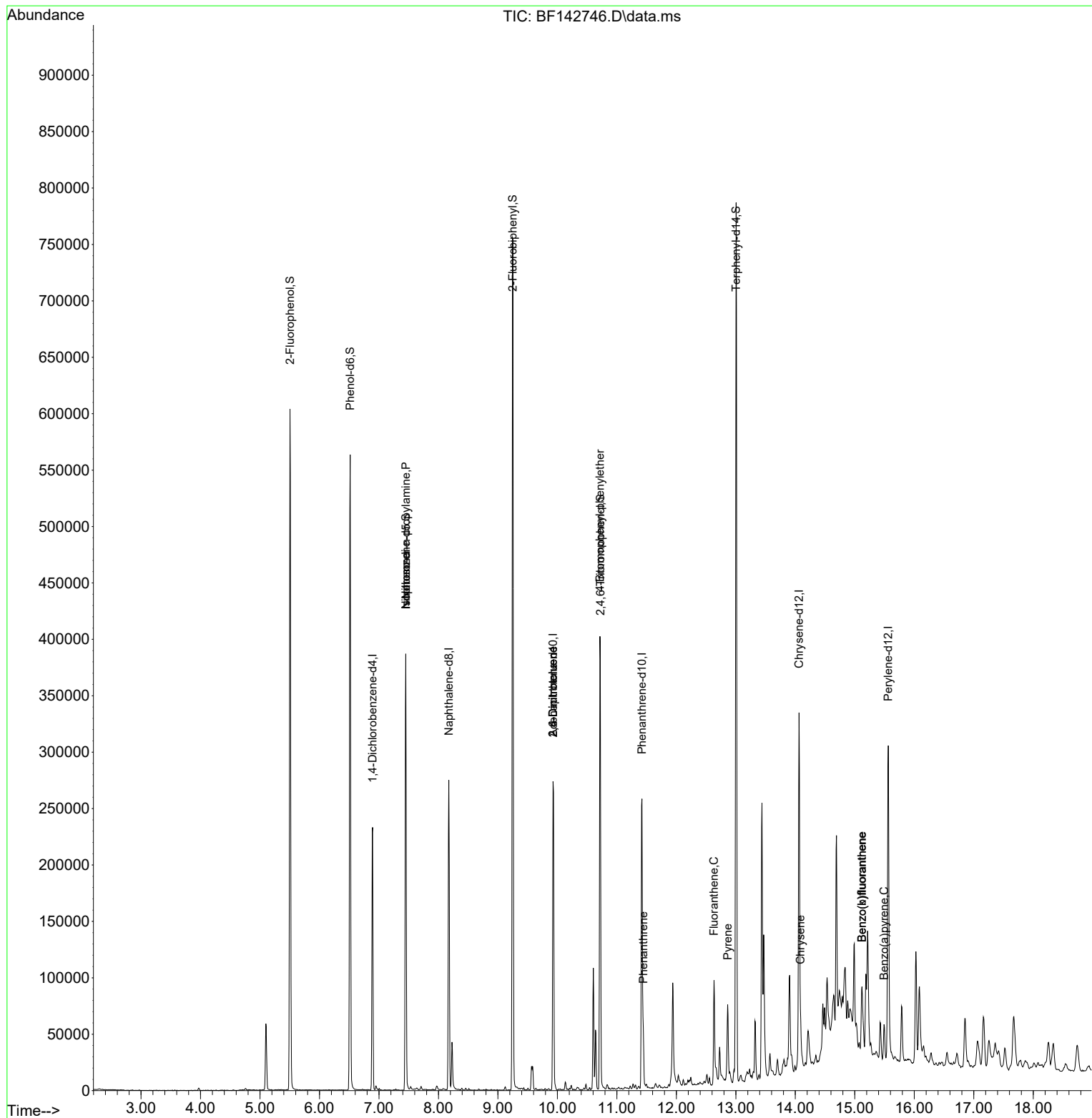
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	52691	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	176407	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	86181	20.000	ng	-0.01
64) Phenanthrene-d10	11.422	188	141000	20.000	ng	0.00
76) Chrysene-d12	14.063	240	141636	20.000	ng	0.00
86) Perylene-d12	15.562	264	161296	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	226474	73.204	ng	0.00
7) Phenol-d6	6.516	99	254423	69.879	ng	0.00
23) Nitrobenzene-d5	7.451	82	160389	49.758	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	69571	73.657	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	359151	55.366	ng	0.00
79) Terphenyl-d14	13.004	244	371948	36.068	ng	0.00
Target Compounds						
					Qvalue	
19) n-Nitroso-di-n-propyla...	7.451	70	21469	9.262	ng	# 77
25) Isophorone	7.451	82	159083	29.149	ng	# 63
51) 2,6-Dinitrotoluene	9.927	165	11397	9.163	ng	# 28
57) 2,4-Dinitrotoluene	9.927	165	11397	6.930	ng	# 26
67) 4-Bromophenyl-phenylether	10.716	248	4571	2.746	ng	# 1
71) Phenanthrene	11.445	178	29118	3.855	ng	100
75) Fluoranthene	12.633	202	49173	6.846	ng	99
78) Pyrene	12.863	202	39224	2.980	ng	99
83) Chrysene	14.086	228	24772	2.859	ng	96
88) Benzo(b)fluoranthene	15.121	252	50597	5.327	ng	98
89) Benzo(k)fluoranthene	15.121	252	50597	5.491	ng	97
90) Benzo(a)pyrene	15.492	252	19562	2.166	ng	# 95

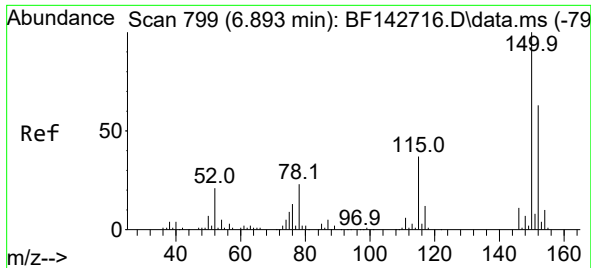
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061125\
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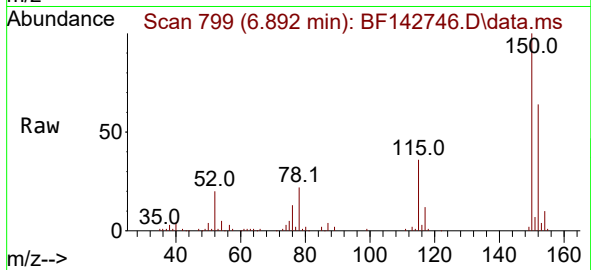
Quant Time: Jun 12 01:49:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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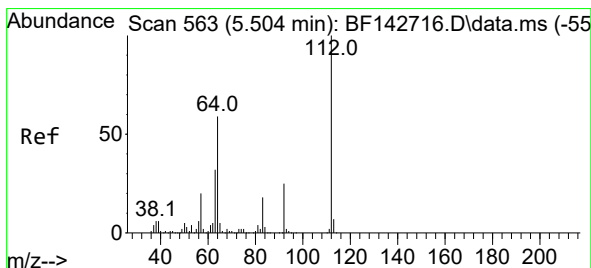
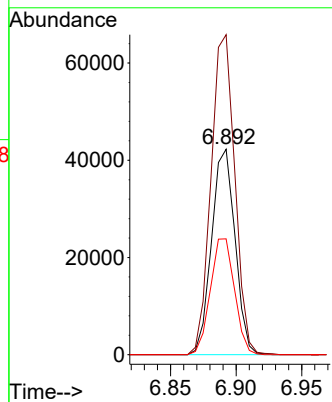
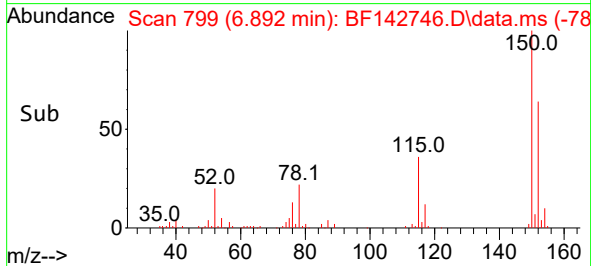


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

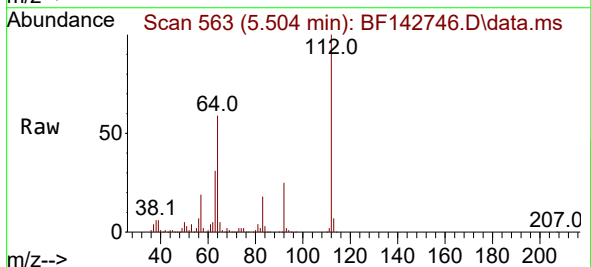
Instrument :
BNA_F
ClientSampleId :



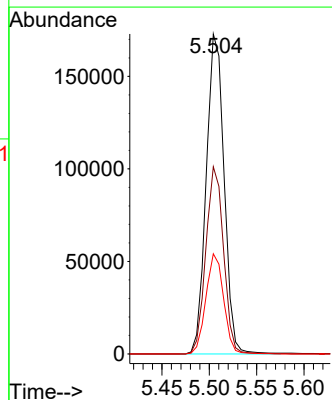
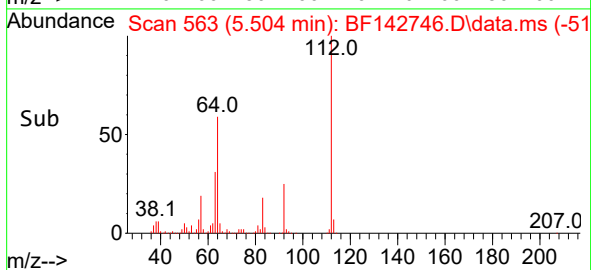
Tgt Ion:152 Resp: 52691
Ion Ratio Lower Upper
152 100
150 155.8 126.9 190.3
115 56.4 47.0 70.6

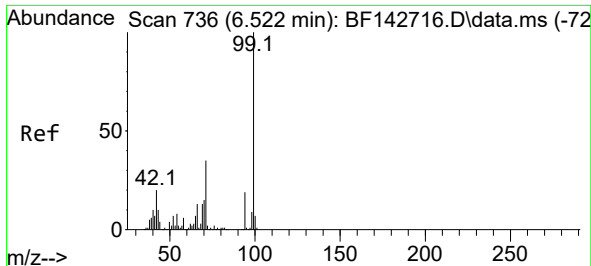


#5
2-Fluorophenol
Concen: 73.204 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47



Tgt Ion:112 Resp: 226474
Ion Ratio Lower Upper
112 100
64 58.5 47.4 71.2
63 31.3 25.4 38.0

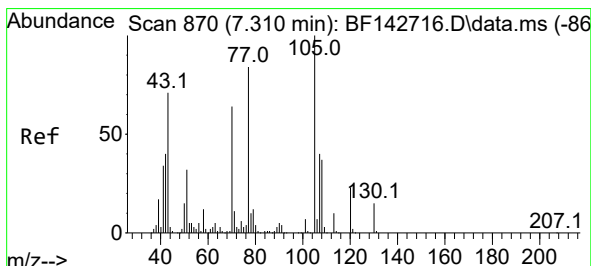
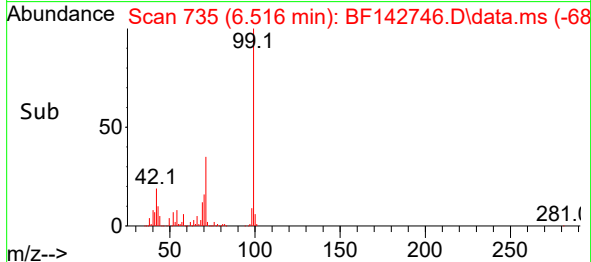
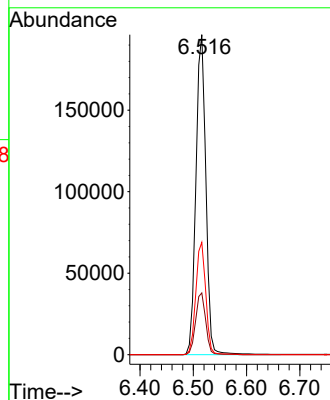
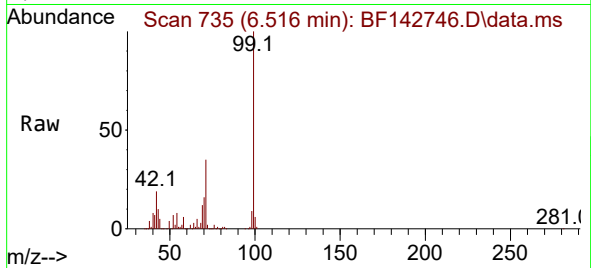




#7
Phenol-d6
Concen: 69.879 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

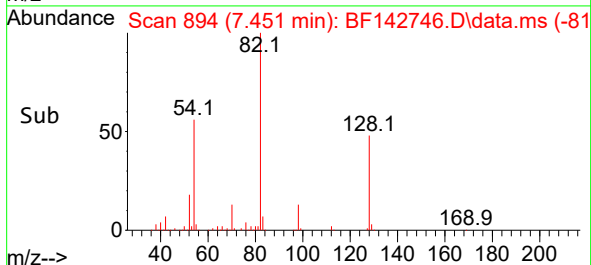
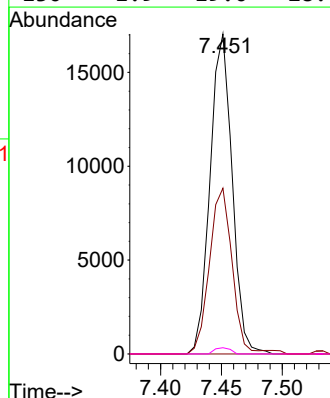
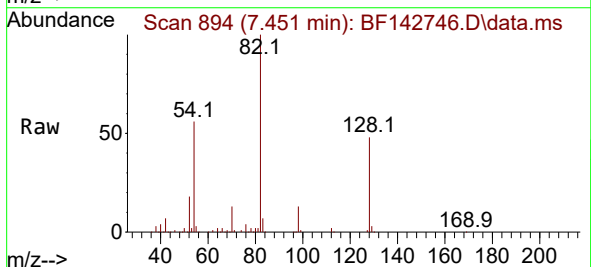
Instrument :
BNA_F
ClientSampleId :

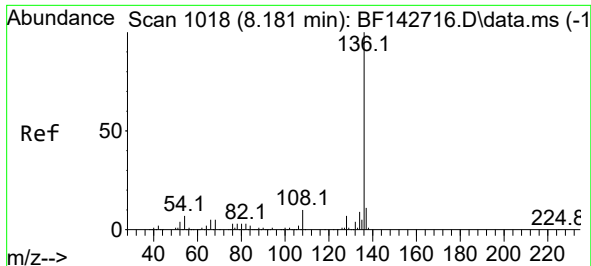
Tgt Ion: 99 Resp: 254423
Ion Ratio Lower Upper
99 100
42 19.3 15.9 23.9
71 35.1 28.0 42.0



#19
n-Nitroso-di-n-propylamine
Concen: 9.262 ng
RT: 7.451 min Scan# 894
Delta R.T. 0.141 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Tgt Ion: 70 Resp: 21469
Ion Ratio Lower Upper
70 100
42 51.8 50.2 75.4
101 0.0 8.3 12.5#
130 1.9 19.0 28.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.175 min Scan# 1017

Delta R.T. -0.006 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:136 Resp: 176407

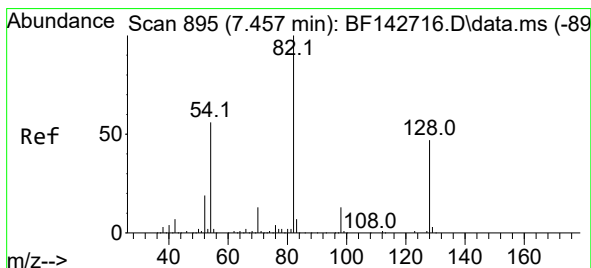
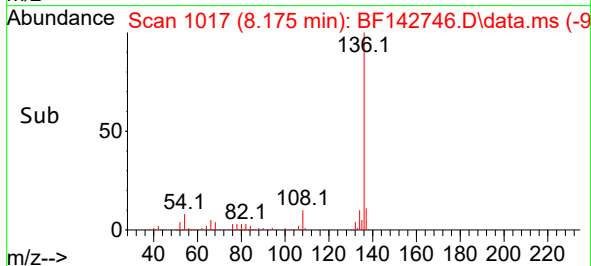
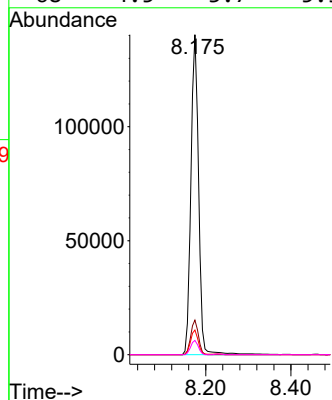
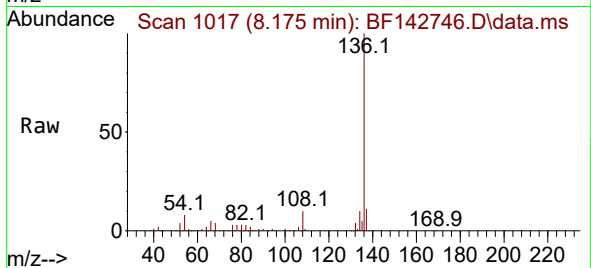
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 7.7 5.9 8.9

68 4.5 3.7 5.5



#23

Nitrobenzene-d5

Concen: 49.758 ng

RT: 7.451 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

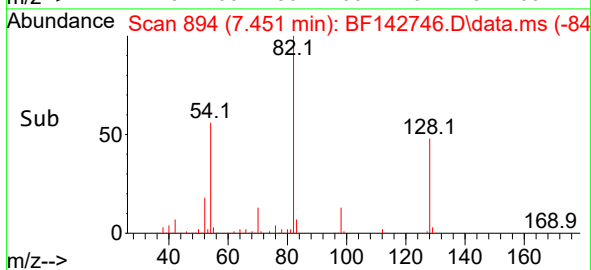
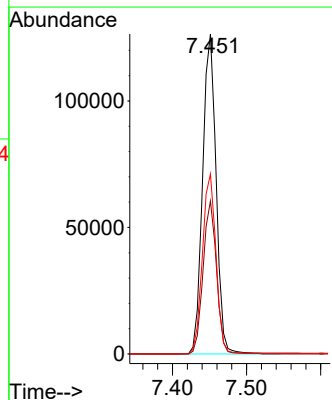
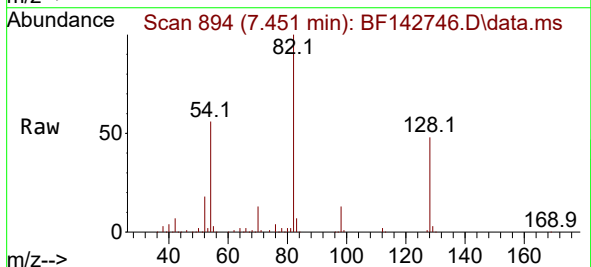
Tgt Ion: 82 Resp: 160389

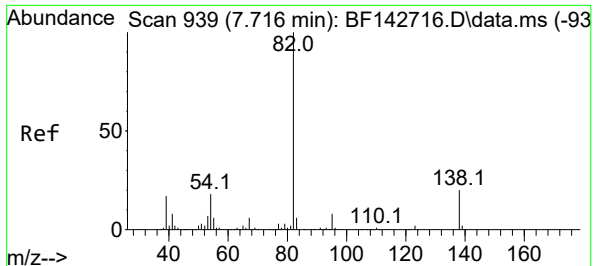
Ion Ratio Lower Upper

82 100

128 47.8 37.8 56.8

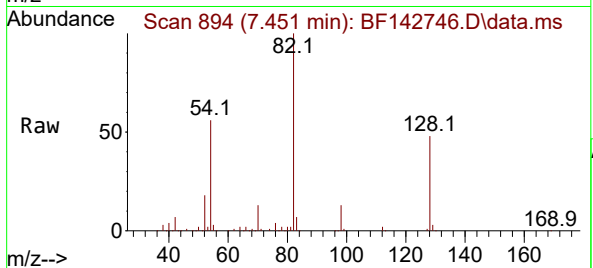
54 56.2 44.9 67.3



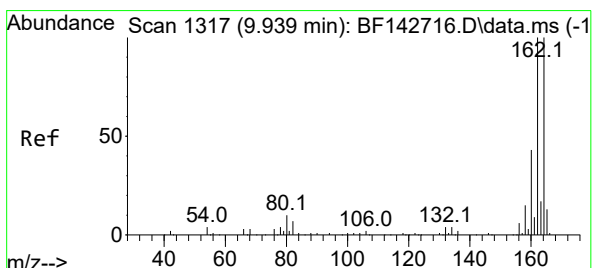
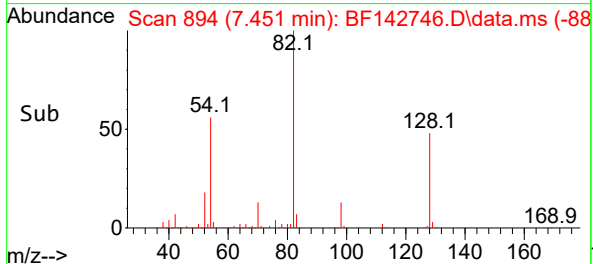
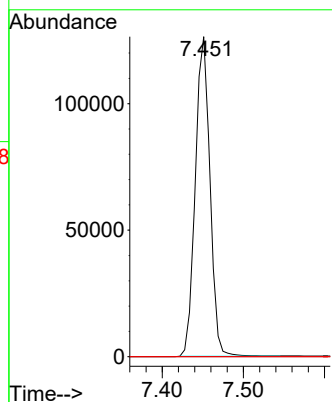


#25
Isophorone
Concen: 29.149 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.265 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :

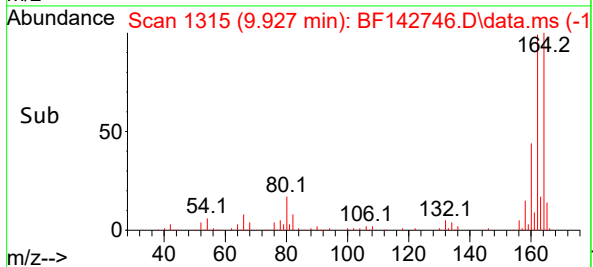
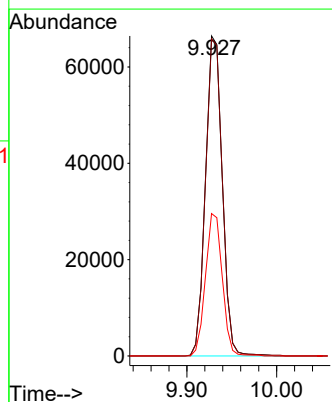
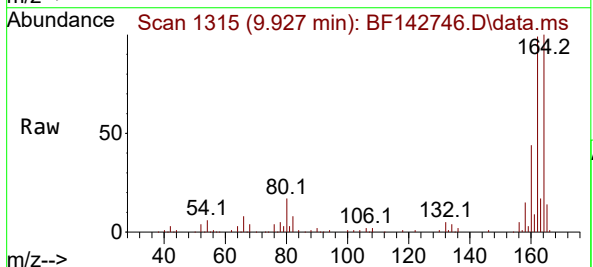


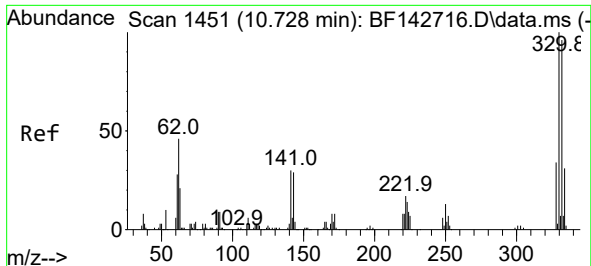
Tgt Ion: 82 Resp: 159083
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.8 23.6#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. -0.012 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

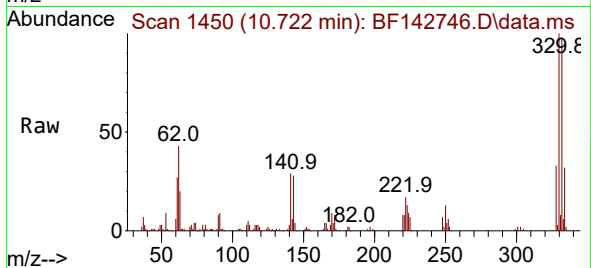
Tgt Ion:164 Resp: 86181
Ion Ratio Lower Upper
164 100
162 99.2 79.9 119.9
160 44.5 34.8 52.2



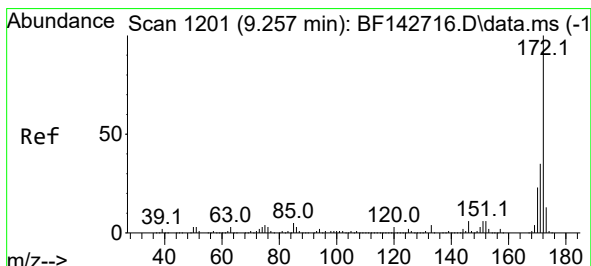
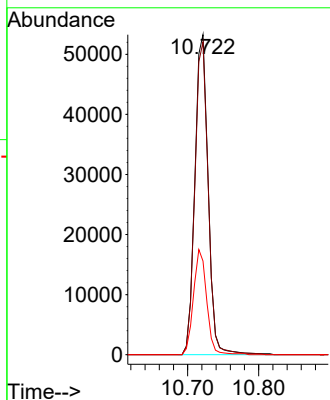
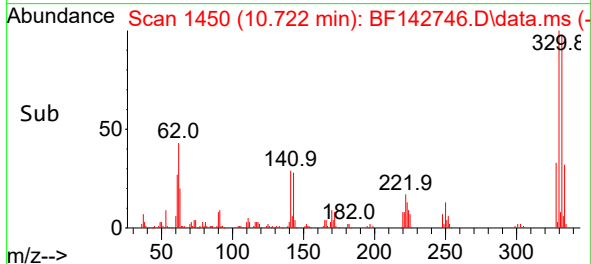


#42
2,4,6-Tribromophenol
Concen: 73.657 ng
RT: 10.722 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :

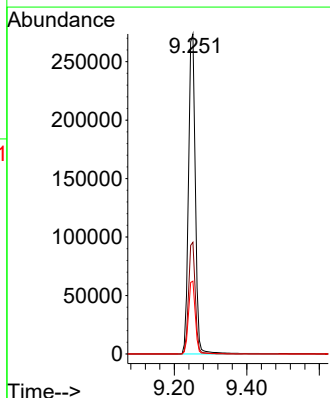
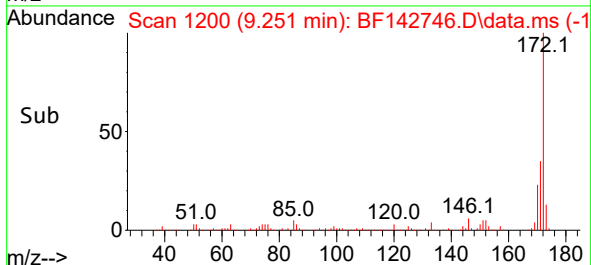
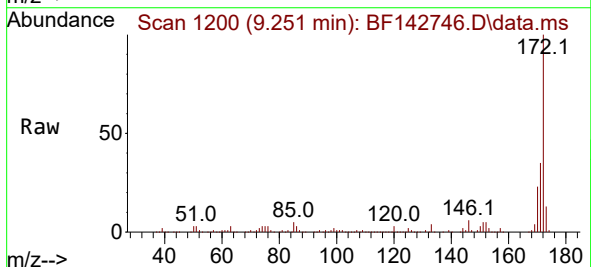


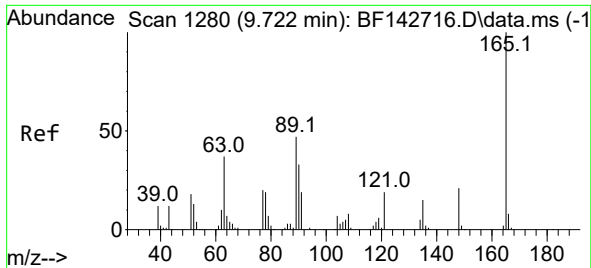
Tgt Ion:330 Resp: 69571
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 32.6 25.4 38.0



#45
2-Fluorobiphenyl
Concen: 55.366 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

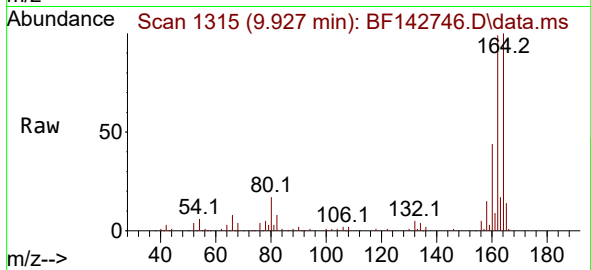
Tgt Ion:172 Resp: 359151
Ion Ratio Lower Upper
172 100
171 34.9 28.1 42.1
170 22.8 18.6 27.8



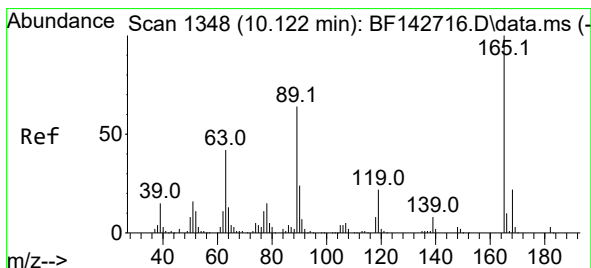
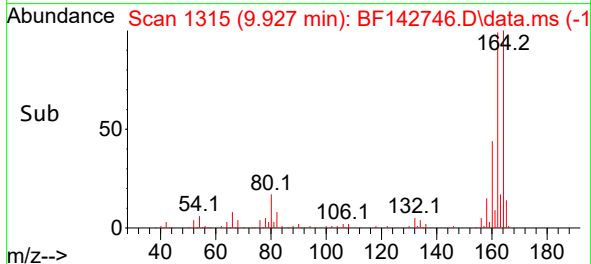
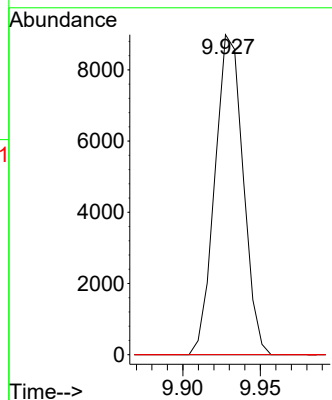


#51
2,6-Dinitrotoluene
Concen: 9.163 ng
RT: 9.927 min Scan# 11
Delta R.T. 0.206 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Instrument :
BNA_F
ClientSampleId :

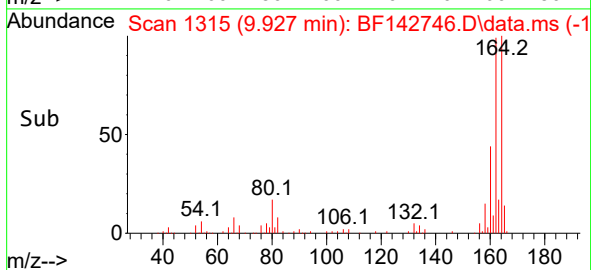
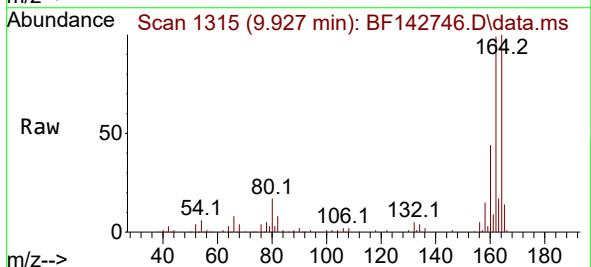
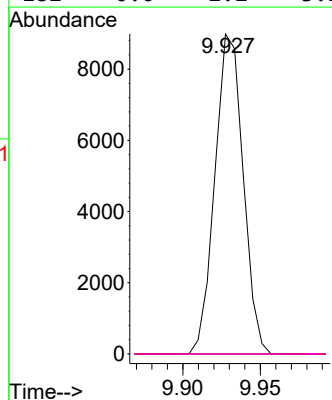


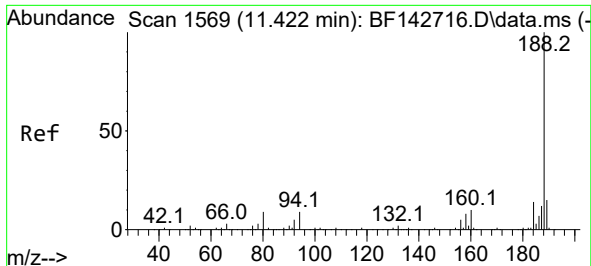
Tgt Ion:165 Resp: 11397
Ion Ratio Lower Upper
165 100
63 0.0 40.6 60.8#
89 0.0 37.6 56.4#



#57
2,4-Dinitrotoluene
Concen: 6.930 ng
RT: 9.927 min Scan# 1315
Delta R.T. -0.194 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Tgt Ion:165 Resp: 11397
Ion Ratio Lower Upper
165 100
63 0.0 34.1 51.1#
89 0.0 50.8 76.2#
182 0.0 2.2 3.2#

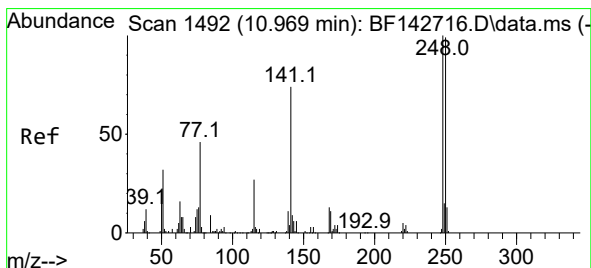
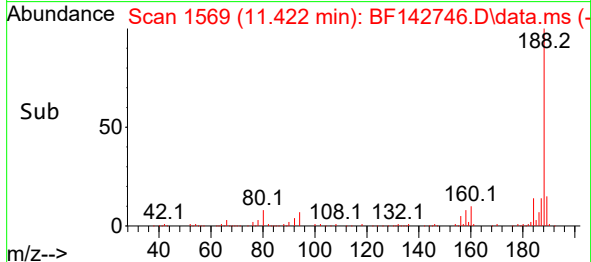
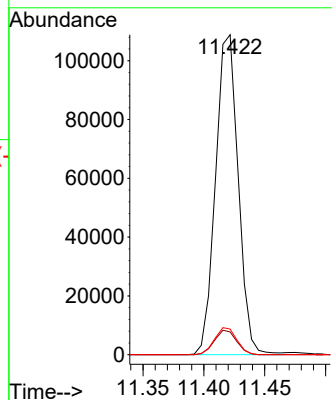
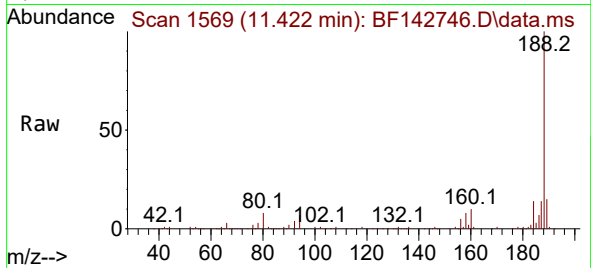




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

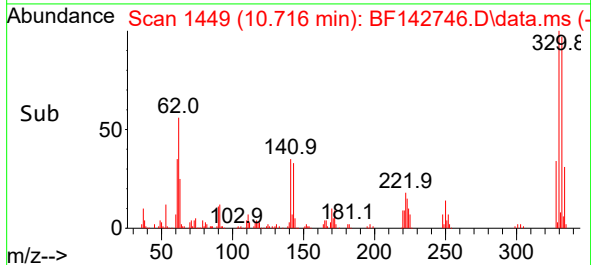
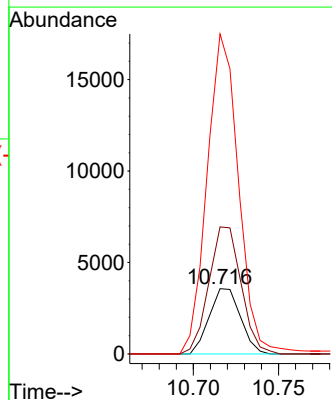
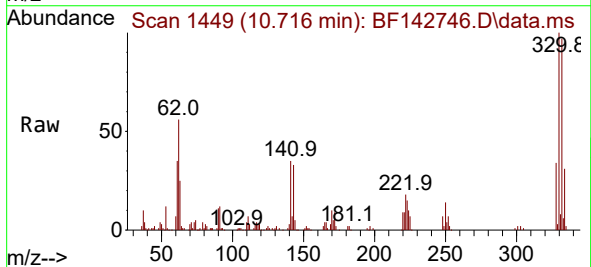
Instrument :
BNA_F
ClientSampleId :

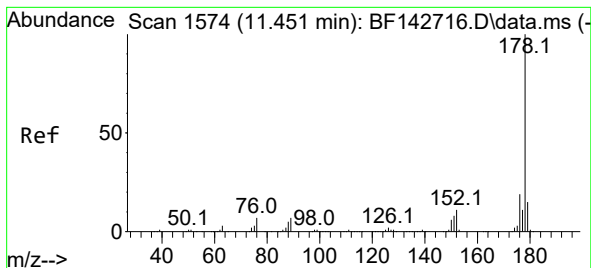
Tgt Ion:188 Resp: 141000
Ion Ratio Lower Upper
188 100
94 7.1 6.8 10.2
80 8.0 7.1 10.7



#67
4-Bromophenyl-phenylether
Concen: 2.746 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.253 min
Lab File: BF142746.D
Acq: 11 Jun 2025 20:47

Tgt Ion:248 Resp: 4571
Ion Ratio Lower Upper
248 100
250 194.4 79.2 118.8#
141 489.9 59.3 88.9#





#71

Phenanthrene

Concen: 3.855 ng

RT: 11.445 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

Instrument :

BNA_F

ClientSampleId :

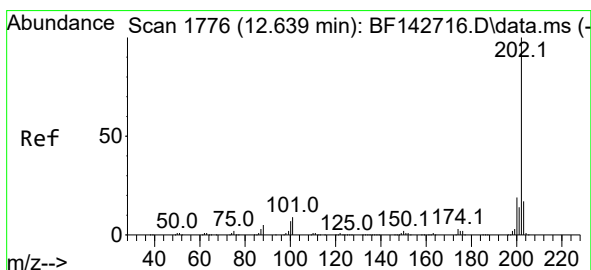
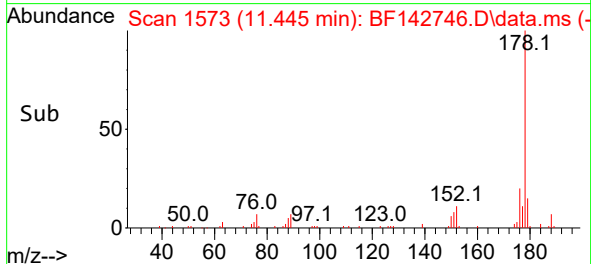
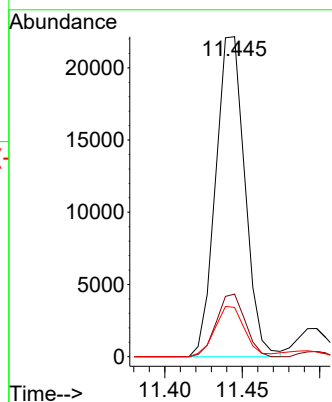
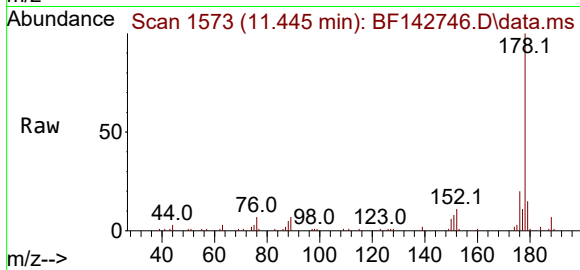
Tgt Ion:178 Resp: 29118

Ion Ratio Lower Upper

178 100

176 19.6 15.4 23.2

179 15.4 12.2 18.4



#75

Fluoranthene

Concen: 6.846 ng

RT: 12.633 min Scan# 1775

Delta R.T. -0.006 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

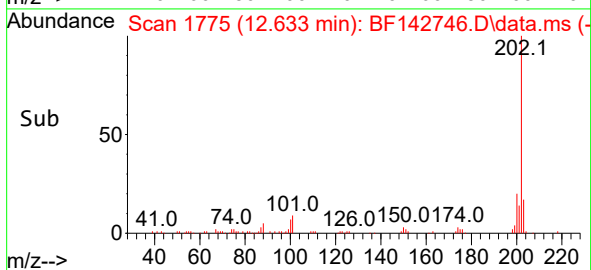
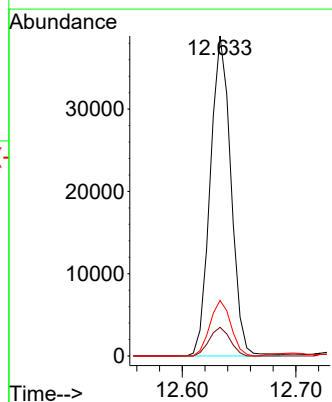
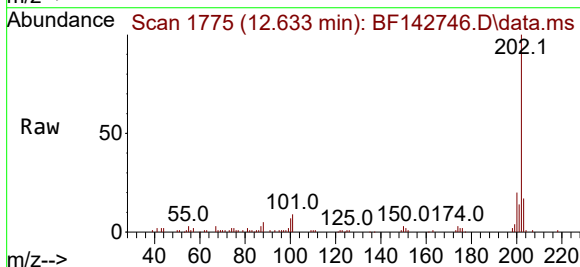
Tgt Ion:202 Resp: 49173

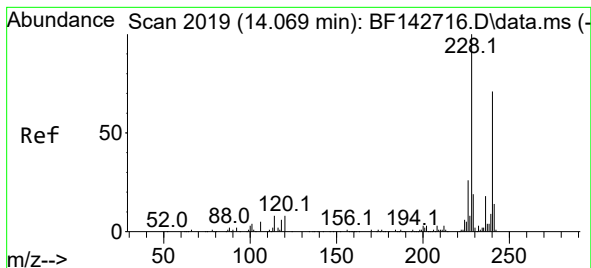
Ion Ratio Lower Upper

202 100

101 8.9 0.0 29.5

203 17.4 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.063 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

Instrument :

BNA_F

ClientSampleId :

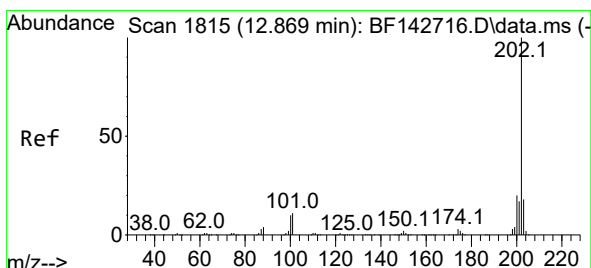
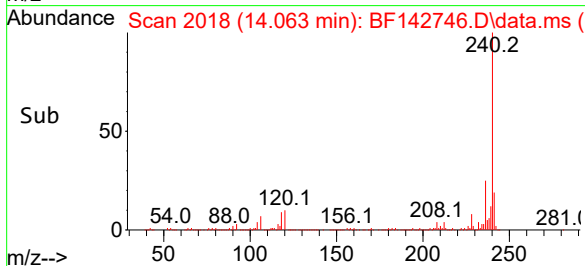
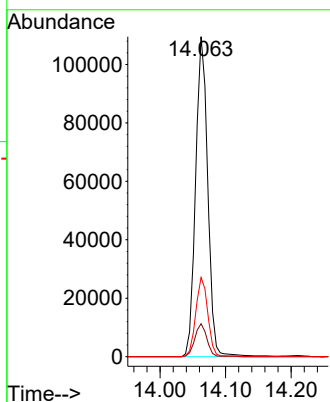
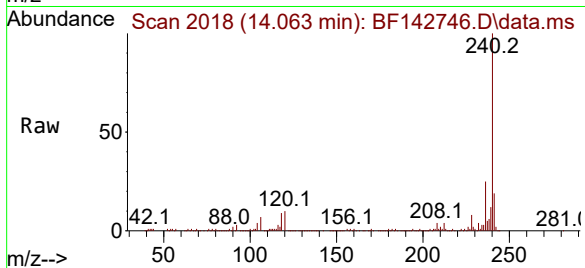
Tgt Ion:240 Resp: 141636

Ion Ratio Lower Upper

240 100

120 10.3 8.5 12.7

236 24.7 20.1 30.1



#78

Pyrene

Concen: 2.980 ng

RT: 12.863 min Scan# 1814

Delta R.T. -0.006 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

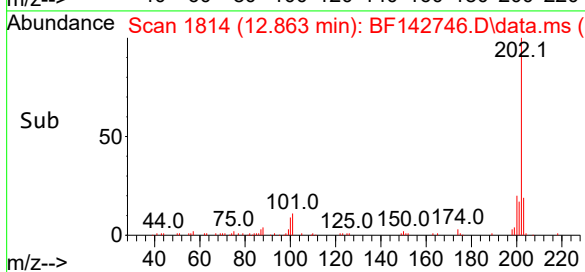
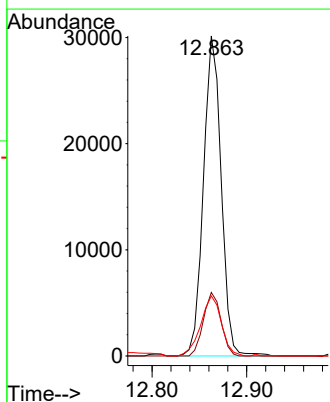
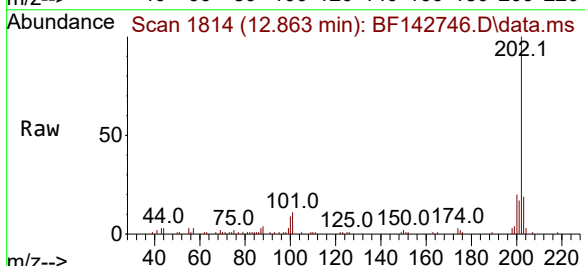
Tgt Ion:202 Resp: 39224

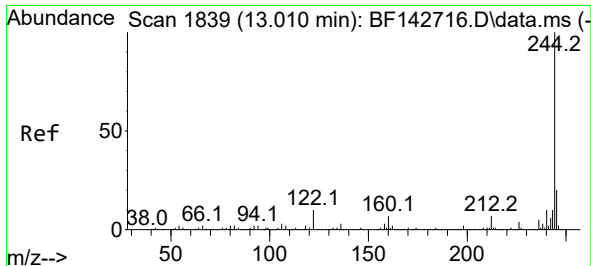
Ion Ratio Lower Upper

202 100

200 19.9 15.8 23.8

203 18.7 14.1 21.1





#79

Terphenyl-d14

Concen: 36.068 ng

RT: 13.004 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

Instrument :

BNA_F

ClientSampleId :

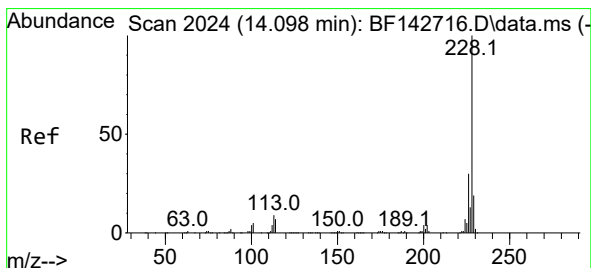
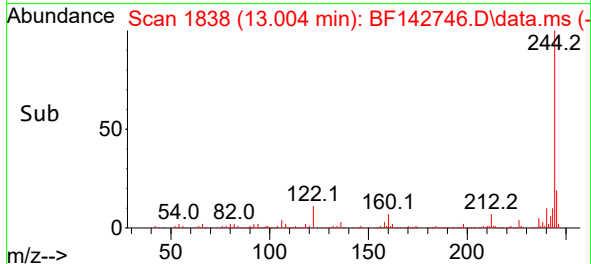
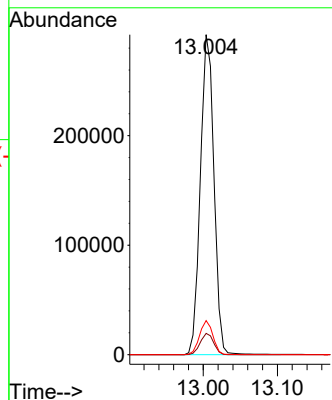
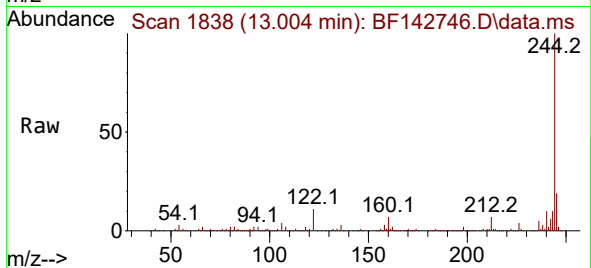
Tgt Ion:244 Resp: 371948

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

122 10.6 8.3 12.5



#83

Chrysene

Concen: 2.859 ng

RT: 14.086 min Scan# 2022

Delta R.T. -0.012 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

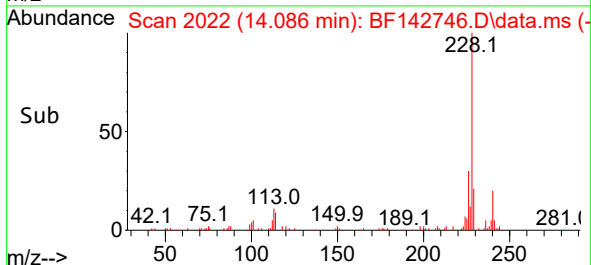
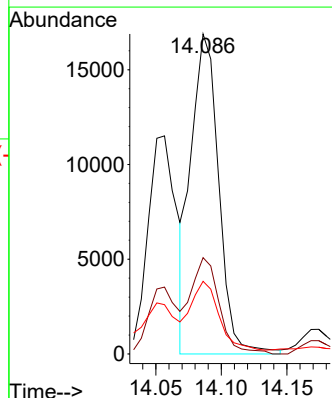
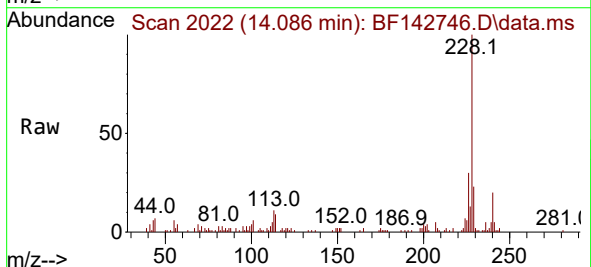
Tgt Ion:228 Resp: 24772

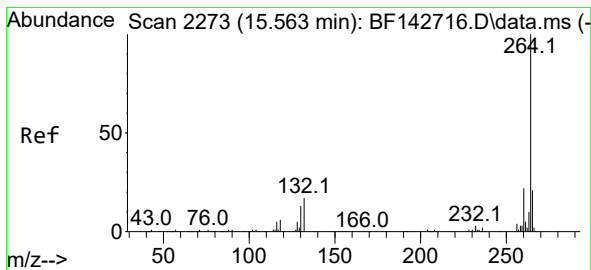
Ion Ratio Lower Upper

228 100

226 30.1 23.6 35.4

229 22.7 15.5 23.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 21

Delta R.T. -0.000 min

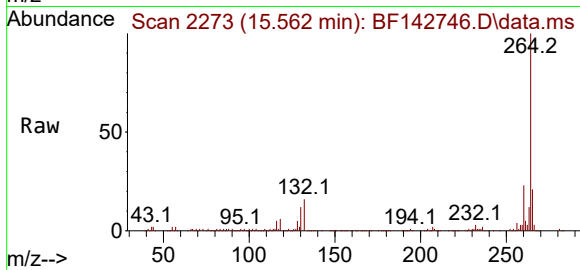
Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

Instrument :

BNA_F

ClientSampleId :



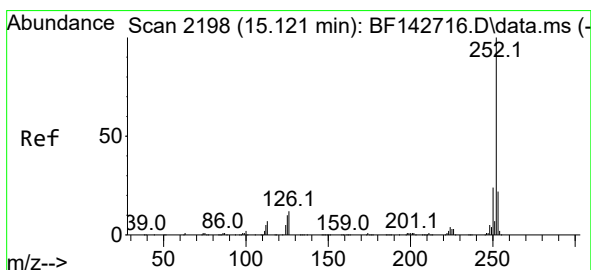
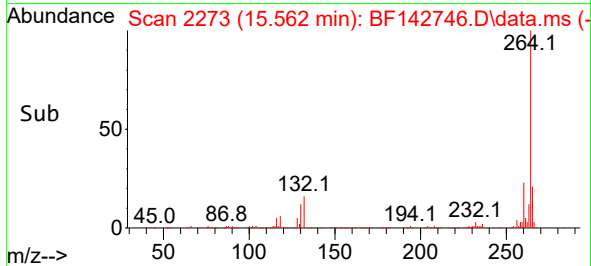
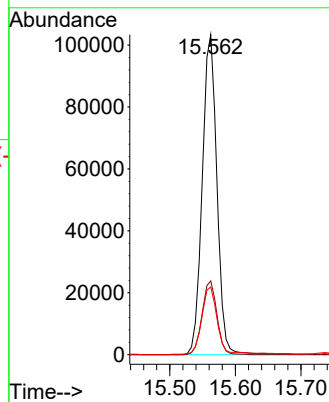
Tgt Ion:264 Resp: 161296

Ion Ratio Lower Upper

264 100

260 23.1 17.8 26.6

265 21.2 16.6 25.0



#88

Benzo(b)fluoranthene

Concen: 5.327 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.000 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

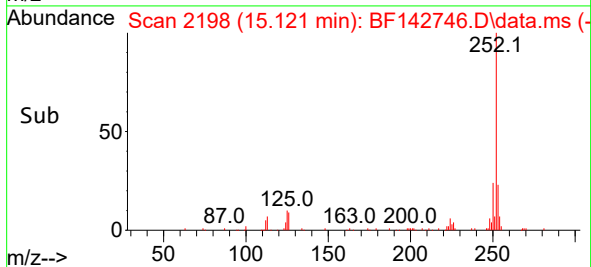
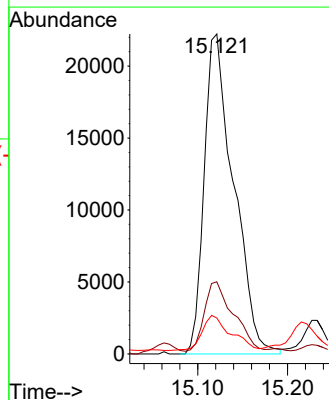
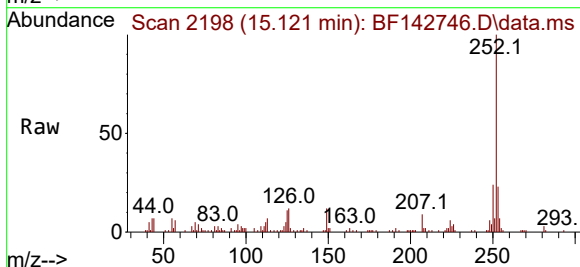
Tgt Ion:252 Resp: 50597

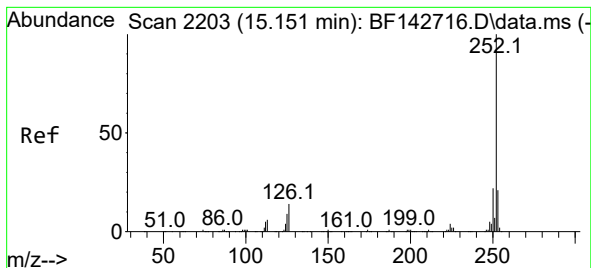
Ion Ratio Lower Upper

252 100

253 22.6 17.7 26.5

125 11.2 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 5.491 ng

RT: 15.121 min Scan# 2198

Delta R.T. -0.030 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

Instrument :

BNA_F

ClientSampleId :

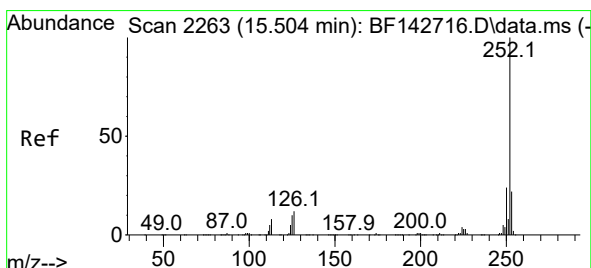
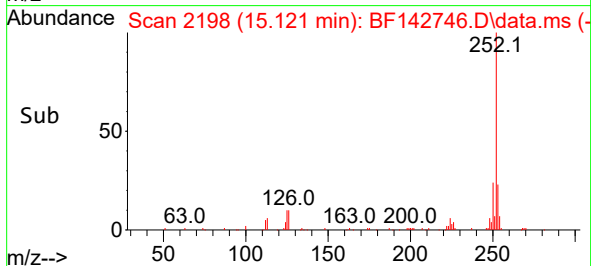
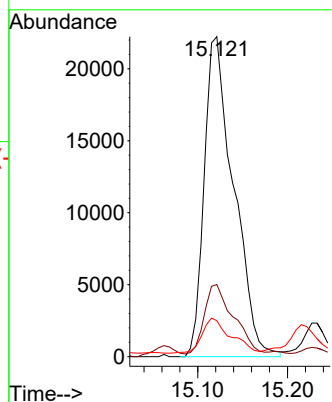
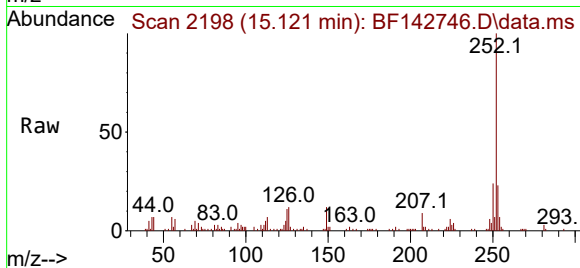
Tgt Ion:252 Resp: 50597

Ion Ratio Lower Upper

252 100

253 22.6 17.3 25.9

125 11.2 7.5 11.3



#90

Benzo(a)pyrene

Concen: 2.166 ng

RT: 15.492 min Scan# 2261

Delta R.T. -0.012 min

Lab File: BF142746.D

Acq: 11 Jun 2025 20:47

Tgt Ion:252 Resp: 19562

Ion Ratio Lower Upper

252 100

253 23.8 17.3 25.9

125 12.1 8.0 12.0#

