

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142766.D
 Acq On : 12 Jun 2025 19:26
 Operator : RC/JU
 Sample : Q2206-01 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-1

Quant Time: Jun 13 01:01:03 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

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

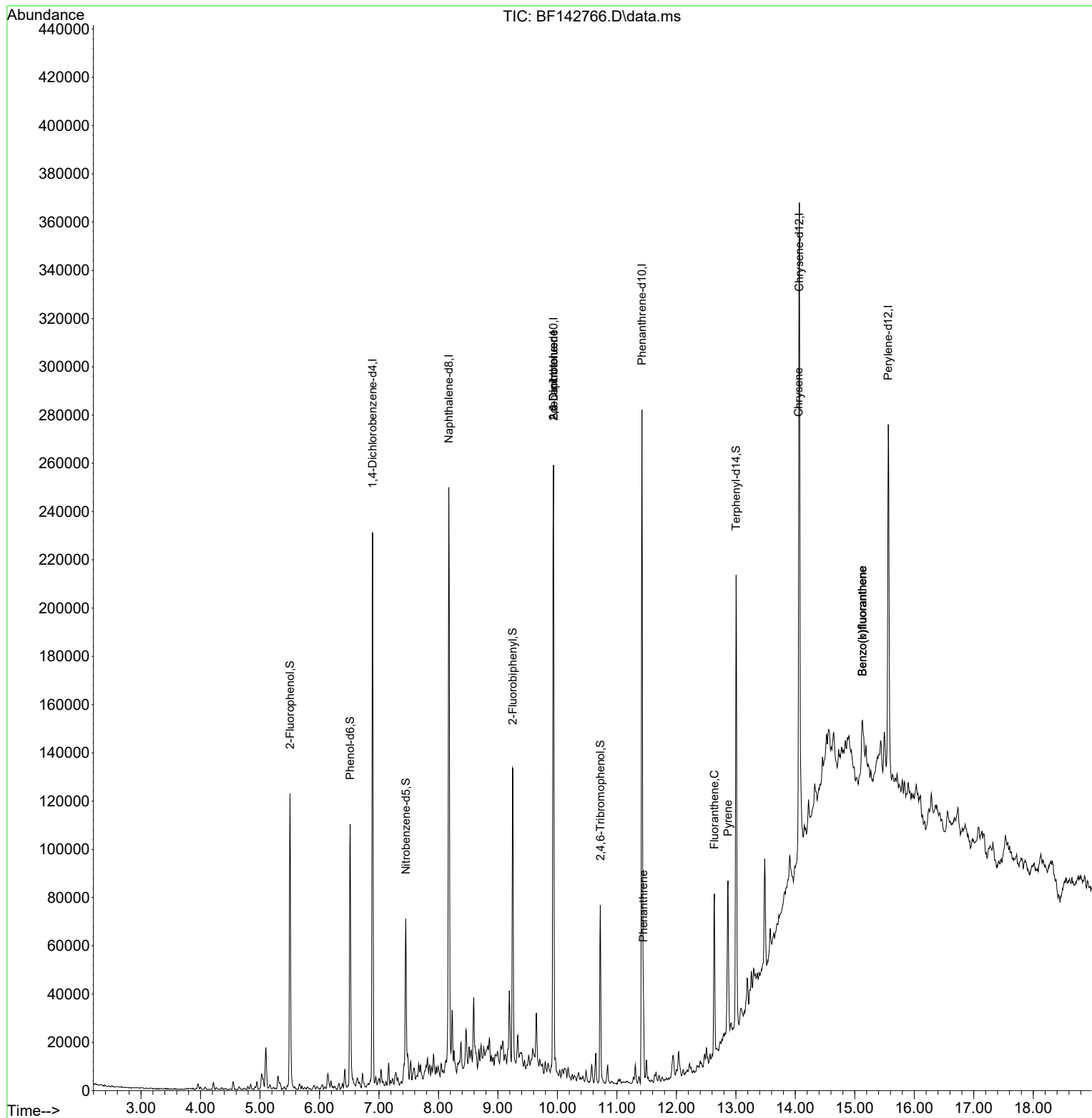
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	48948	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	154286	20.000	ng	0.00
39) Acenaphthene-d10	9.933	164	74640	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	144857	20.000	ng	0.00
76) Chrysene-d12	14.068	240	126754	20.000	ng	0.00
86) Perylene-d12	15.562	264	90359	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	49491	17.220	ng	0.00
7) Phenol-d6	6.516	99	53587	15.844	ng	0.00
23) Nitrobenzene-d5	7.451	82	29072	10.312	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	12852	15.711	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	61037	10.864	ng	0.00
79) Terphenyl-d14	13.004	244	87395	9.470	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	9.933	165	9800	9.097	ng	# 28
57) 2,4-Dinitrotoluene	9.933	165	9800	6.881	ng	# 26
71) Phenanthrene	11.445	178	18186	2.343	ng	99
75) Fluoranthene	12.639	202	39516	5.355	ng	99
78) Pyrene	12.868	202	35892	3.047	ng	98
83) Chrysene	14.057	228	16647	2.147	ng	95
88) Benzo(b)fluoranthene	15.127	252	17974	3.378	ng	# 81
89) Benzo(k)fluoranthene	15.127	252	17974	3.482	ng	# 80

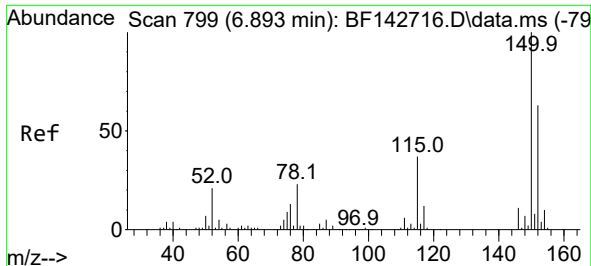
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 13 01:01:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

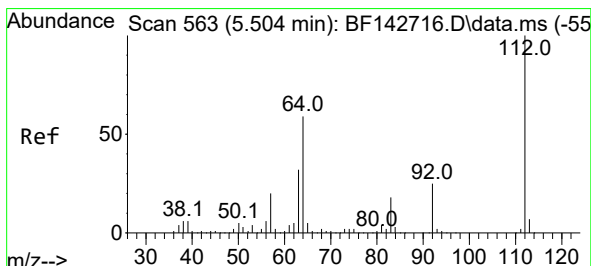
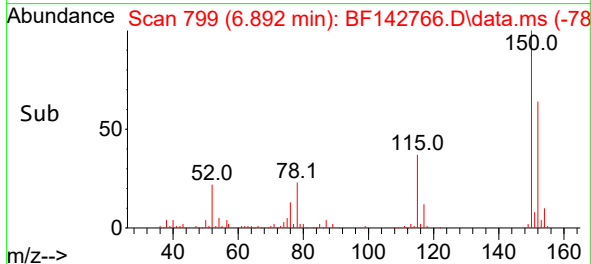
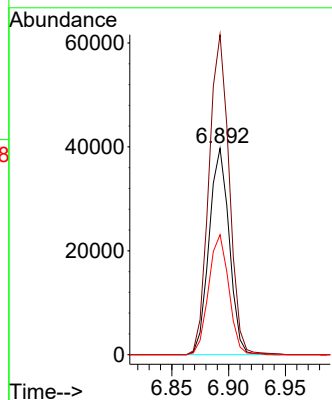
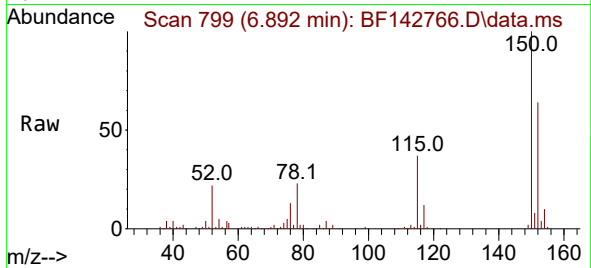




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. -0.001 min
 Lab File: BF142766.D
 Acq: 12 Jun 2025 19:26

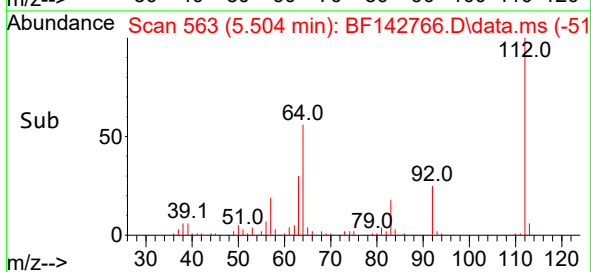
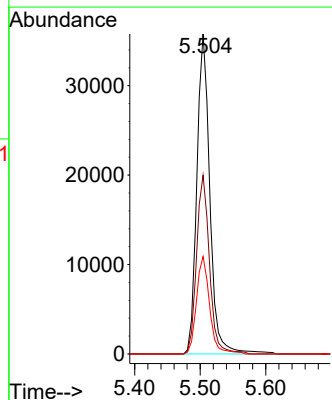
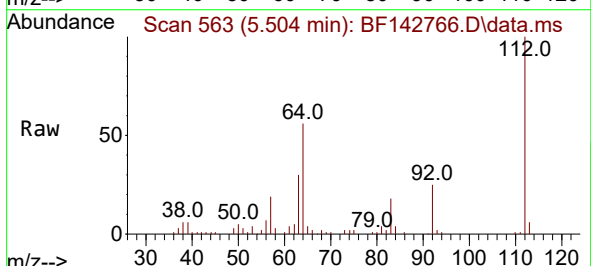
Instrument :
 BNA_F
 ClientSampleId :
 TP-1

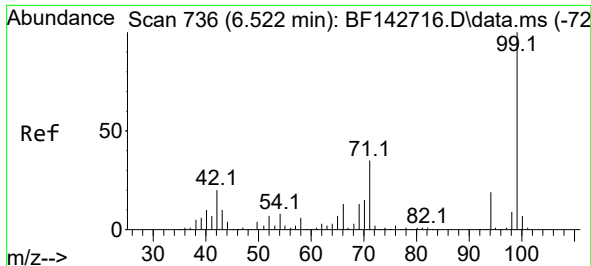
Tgt Ion:152 Resp: 48948
 Ion Ratio Lower Upper
 152 100
 150 155.1 126.9 190.3
 115 58.1 47.0 70.6



#5
 2-Fluorophenol
 Concen: 17.220 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.000 min
 Lab File: BF142766.D
 Acq: 12 Jun 2025 19:26

Tgt Ion:112 Resp: 49491
 Ion Ratio Lower Upper
 112 100
 64 55.9 47.4 71.2
 63 30.4 25.4 38.0

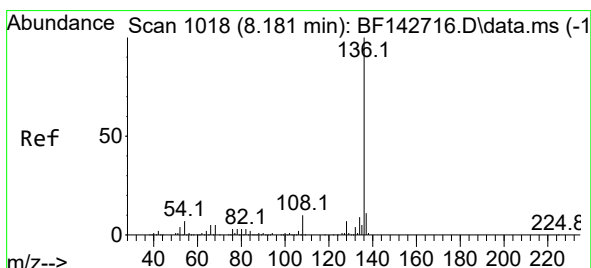
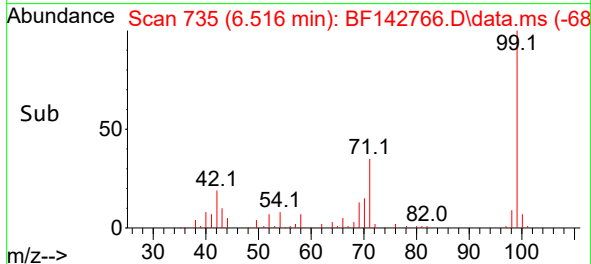
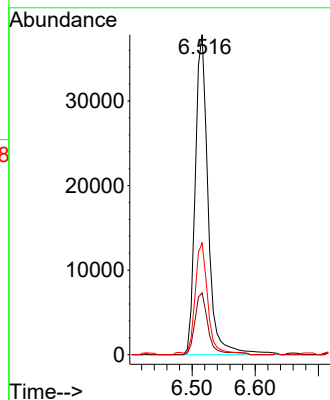
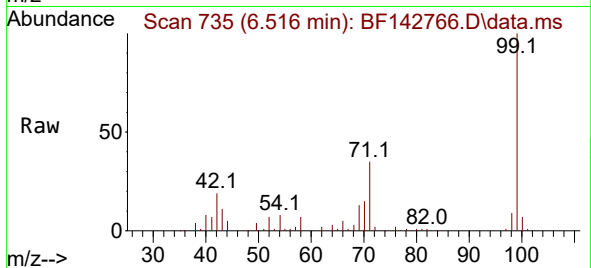




#7
Phenol-d6
Concen: 15.844 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

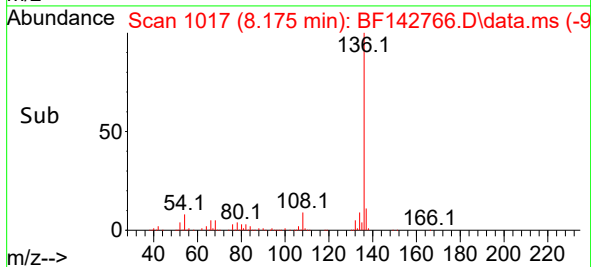
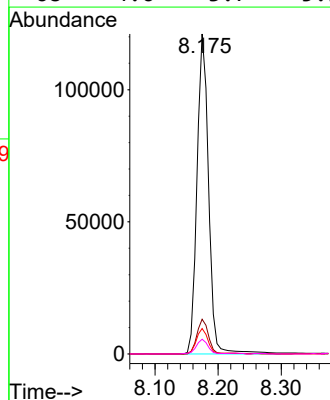
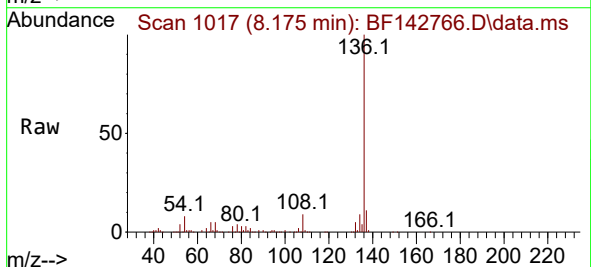
Instrument :
BNA_F
ClientSampleId :
TP-1

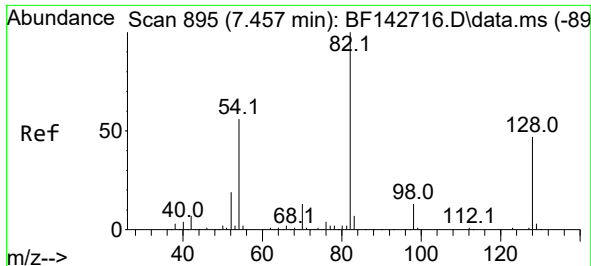
Tgt Ion: 99	Resp: 53587
Ion Ratio	Lower Upper
99 100	
42 19.3	15.9 23.9
71 34.9	28.0 42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

Tgt Ion: 136	Resp: 154286
Ion Ratio	Lower Upper
136 100	
137 10.8	8.7 13.1
54 8.0	5.9 8.9
68 4.6	3.7 5.5





#23

Nitrobenzene-d5

Concen: 10.312 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

Instrument :

BNA_F

ClientSampleId :

TP-1

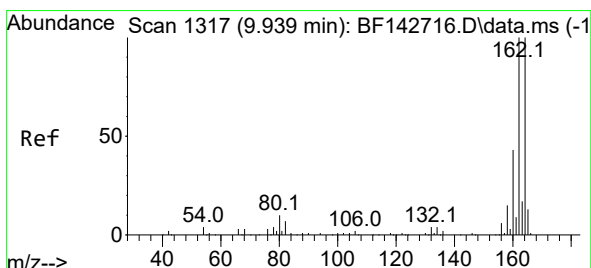
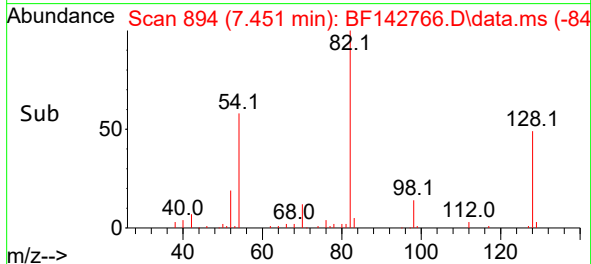
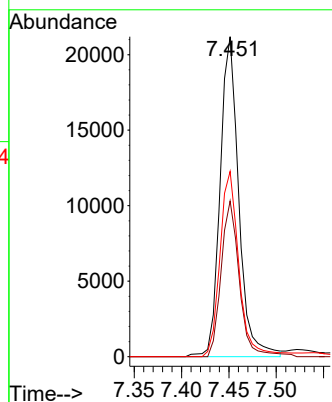
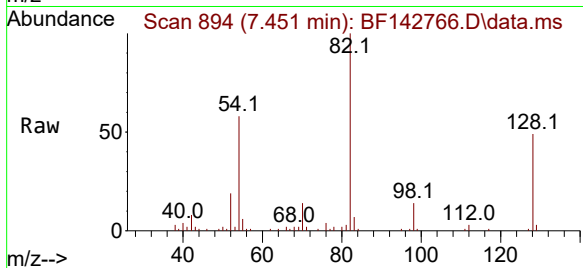
Tgt Ion: 82 Resp: 29072

Ion Ratio Lower Upper

82 100

128 48.6 37.8 56.8

54 57.9 44.9 67.3



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.933 min Scan# 1316

Delta R.T. -0.006 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

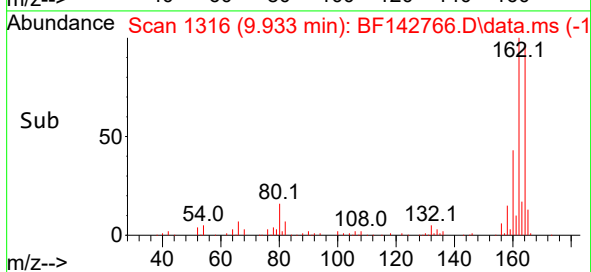
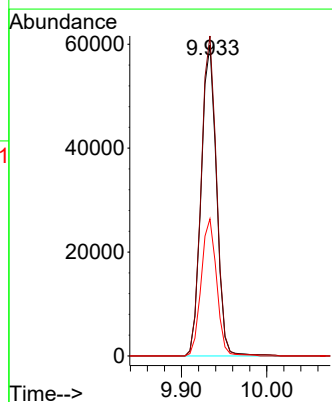
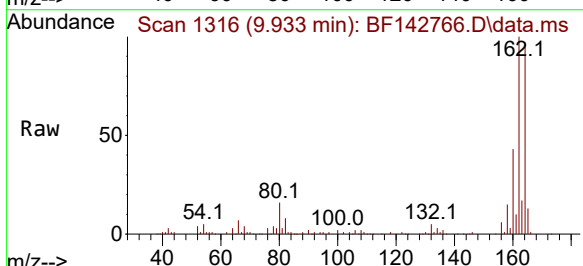
Tgt Ion:164 Resp: 74640

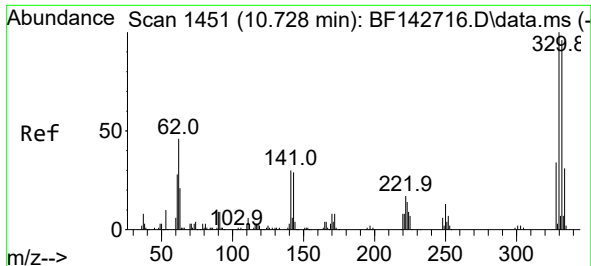
Ion Ratio Lower Upper

164 100

162 102.9 79.9 119.9

160 44.1 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 15.711 ng

RT: 10.722 min Scan# 1450

Delta R.T. -0.006 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

Instrument :

BNA_F

ClientSampleId :

TP-1

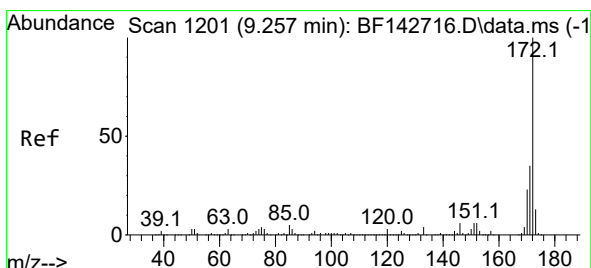
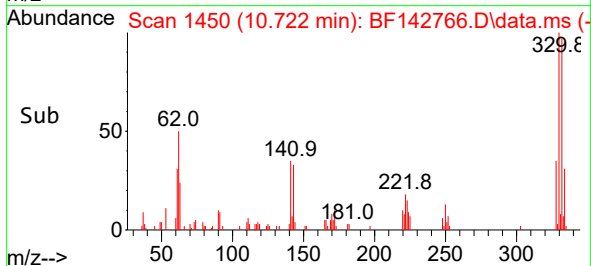
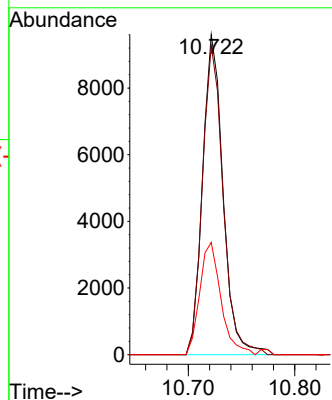
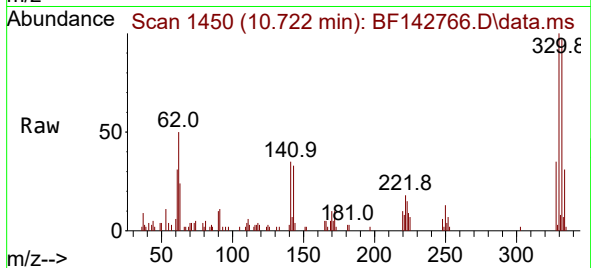
Tgt Ion:330 Resp: 12852

Ion Ratio Lower Upper

330 100

332 97.5 77.0 115.6

141 36.4 25.4 38.0



#45

2-Fluorobiphenyl

Concen: 10.864 ng

RT: 9.251 min Scan# 1200

Delta R.T. -0.006 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

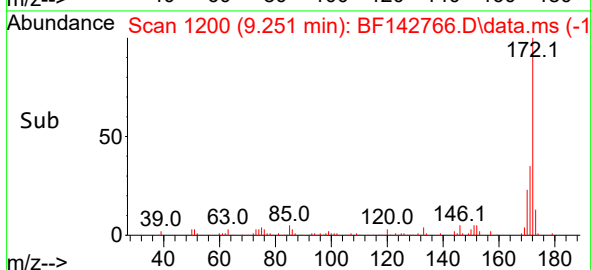
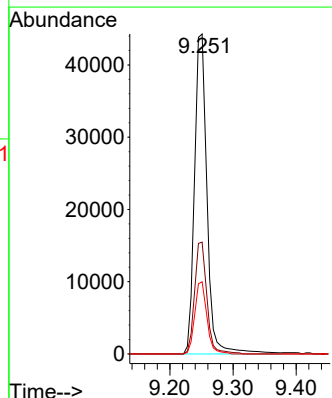
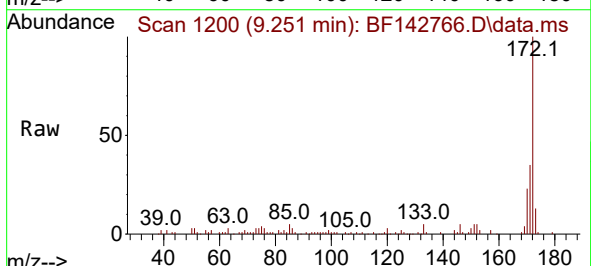
Tgt Ion:172 Resp: 61037

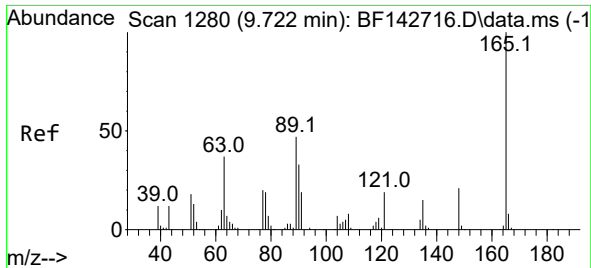
Ion Ratio Lower Upper

172 100

171 35.0 28.1 42.1

170 22.5 18.6 27.8

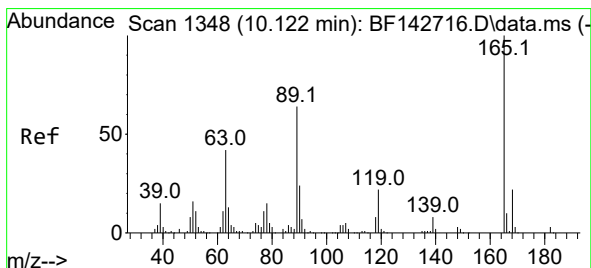
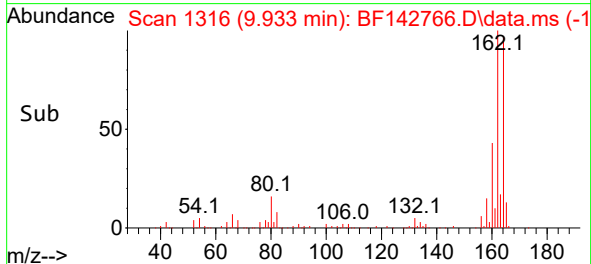
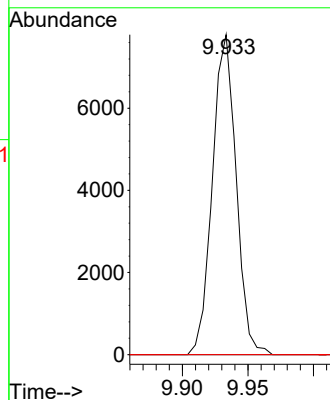
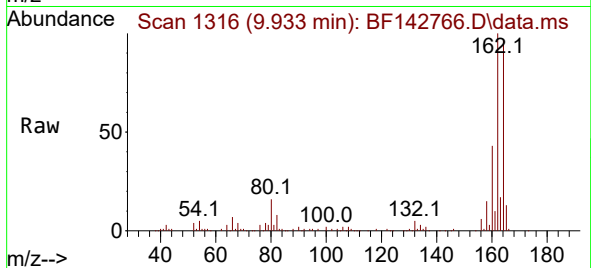




#51
2,6-Dinitrotoluene
Concen: 9.097 ng
RT: 9.933 min Scan# 1316
Delta R.T. 0.212 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

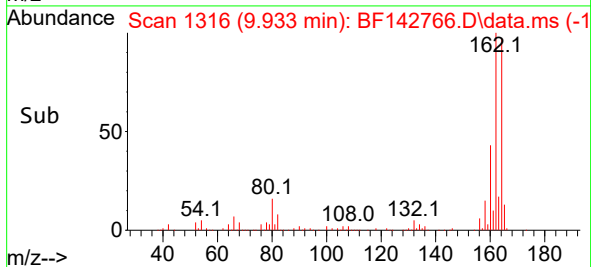
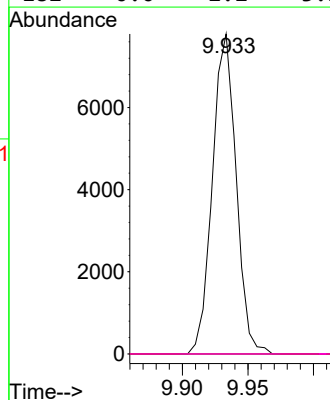
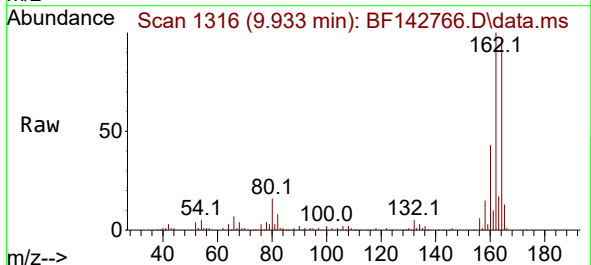
Instrument :
BNA_F
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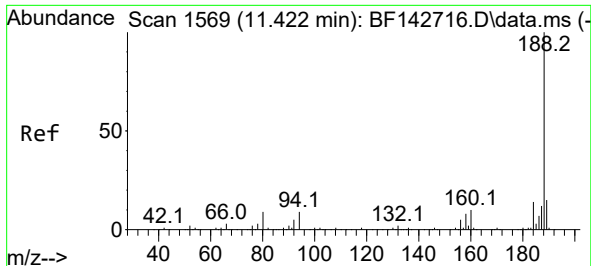
Tgt Ion:165 Resp: 9800
Ion Ratio Lower Upper
165 100
63 0.0 40.6 60.8#
89 0.0 37.6 56.4#



#57
2,4-Dinitrotoluene
Concen: 6.881 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.188 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

Tgt Ion:165 Resp: 9800
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#

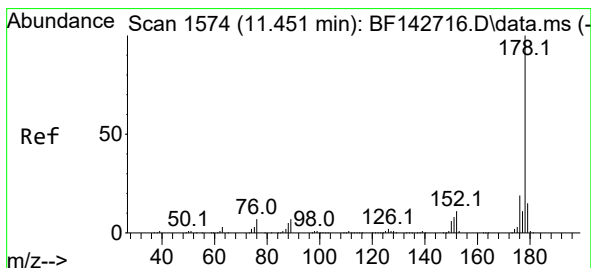
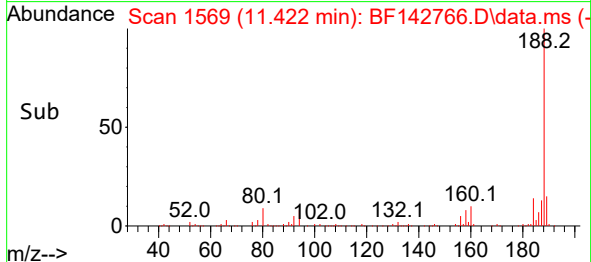
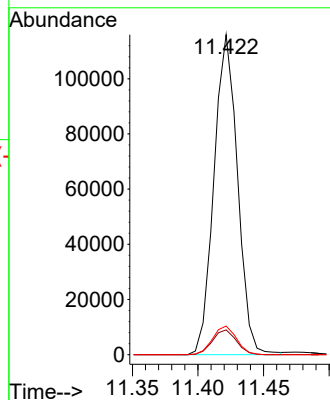
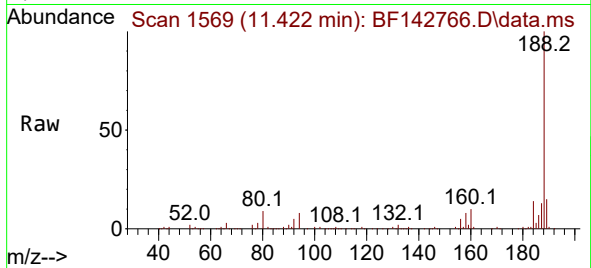




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

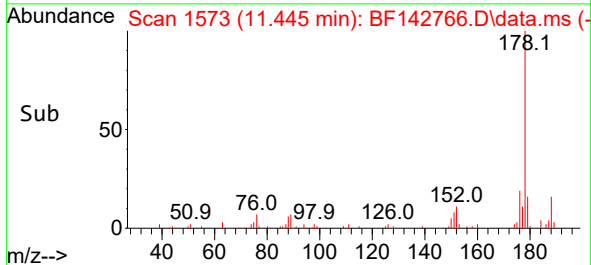
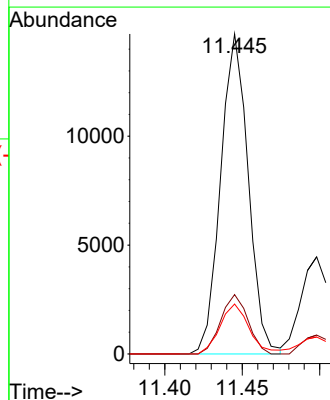
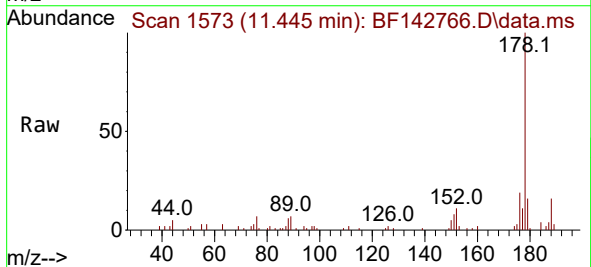
Instrument :
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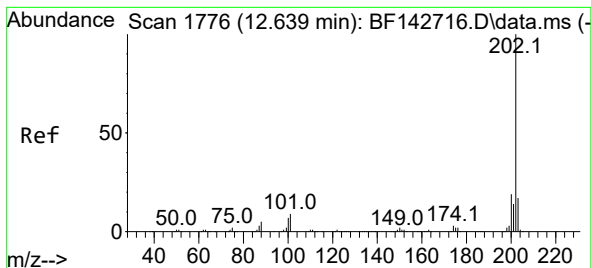
Tgt Ion:188 Resp: 144857
Ion Ratio Lower Upper
188 100
94 7.7 6.8 10.2
80 9.0 7.1 10.7



#71
Phenanthrene
Concen: 2.343 ng
RT: 11.445 min Scan# 1573
Delta R.T. -0.006 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

Tgt Ion:178 Resp: 18186
Ion Ratio Lower Upper
178 100
176 18.6 15.4 23.2
179 15.6 12.2 18.4





#75

Fluoranthene

Concen: 5.355 ng

RT: 12.639 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

Instrument :

BNA_F

ClientSampleId :

TP-1

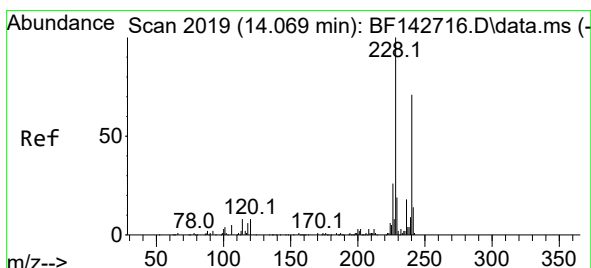
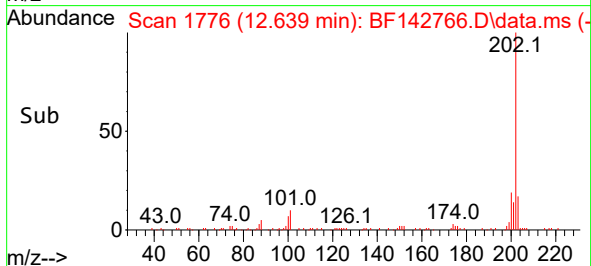
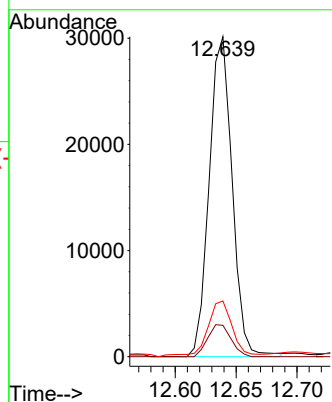
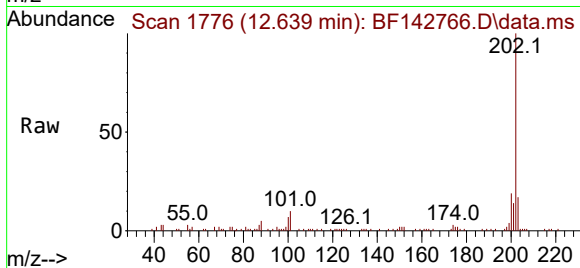
Tgt Ion:202 Resp: 39516

Ion Ratio Lower Upper

202 100

101 9.8 0.0 29.5

203 17.4 0.0 37.0



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.068 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

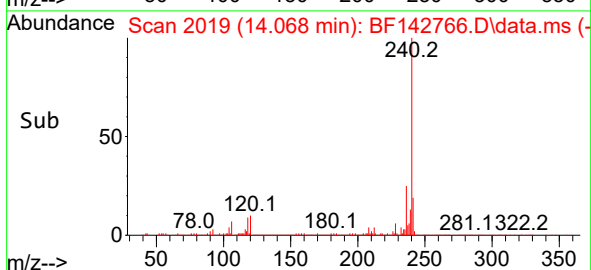
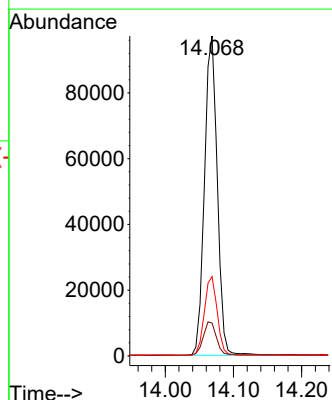
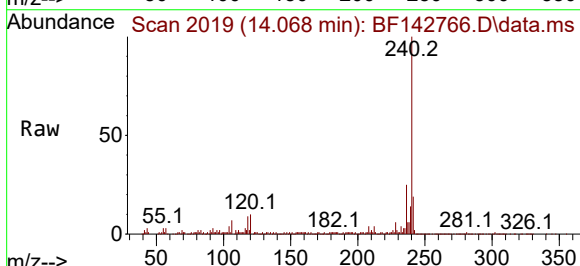
Tgt Ion:240 Resp: 126754

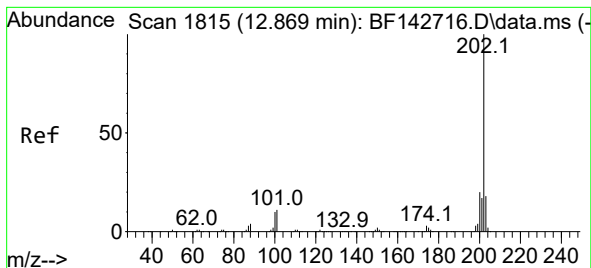
Ion Ratio Lower Upper

240 100

120 10.3 8.5 12.7

236 24.8 20.1 30.1





#78

Pyrene

Concen: 3.047 ng

RT: 12.868 min Scan# 1815

Delta R.T. -0.000 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

Instrument :

BNA_F

ClientSampleId :

TP-1

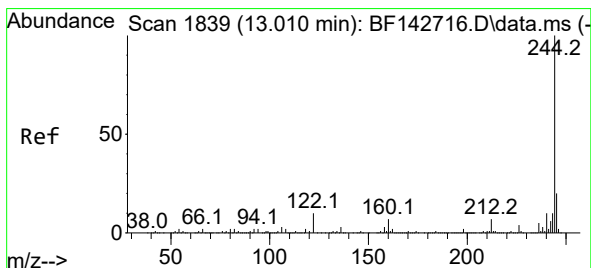
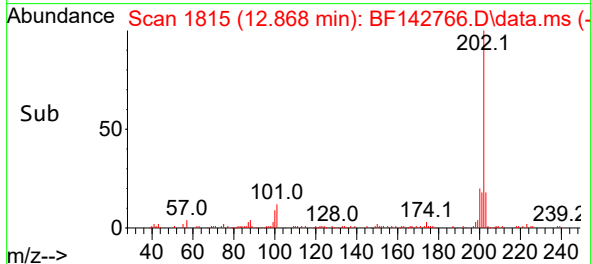
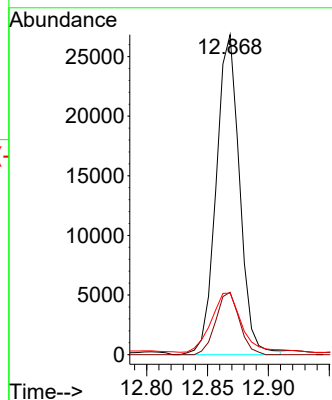
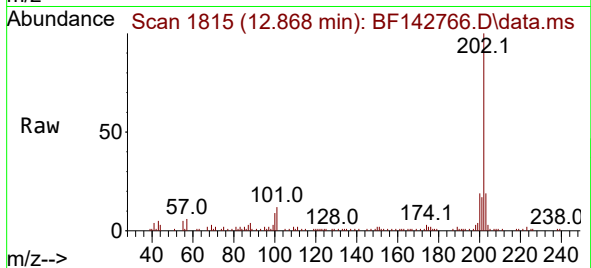
Tgt Ion:202 Resp: 35892

Ion Ratio Lower Upper

202 100

200 19.5 15.8 23.8

203 19.3 14.1 21.1



#79

Terphenyl-d14

Concen: 9.470 ng

RT: 13.004 min Scan# 1838

Delta R.T. -0.006 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

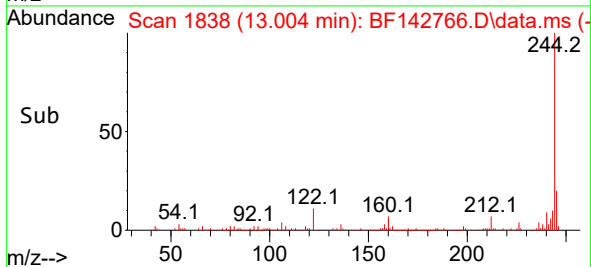
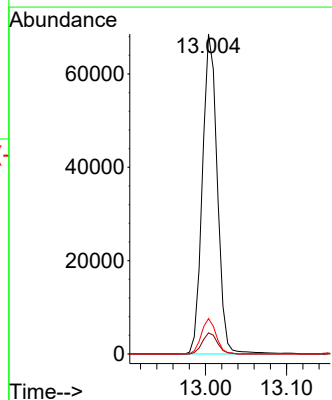
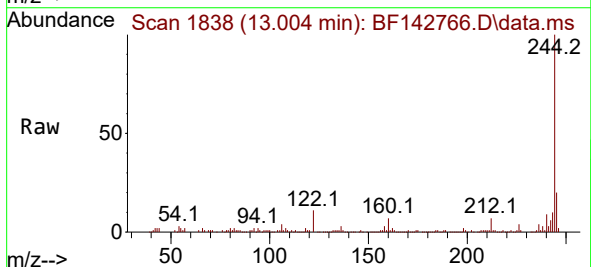
Tgt Ion:244 Resp: 87395

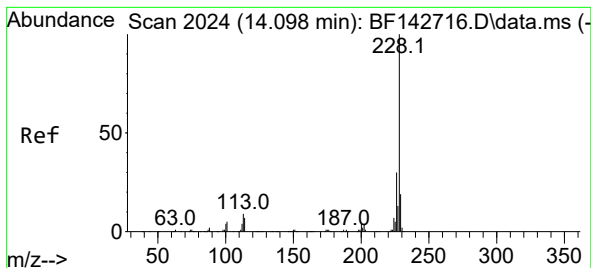
Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

122 11.0 8.3 12.5





#83

Chrysene

Concen: 2.147 ng

RT: 14.057 min Scan# 20

Delta R.T. -0.041 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

Instrument :

BNA_F

ClientSampleId :

TP-1

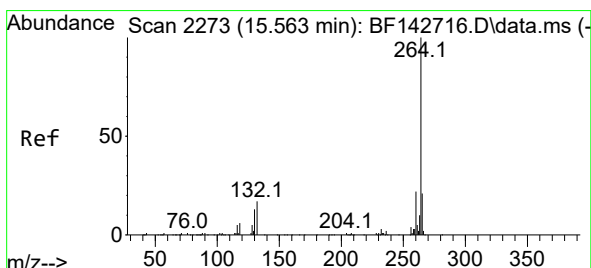
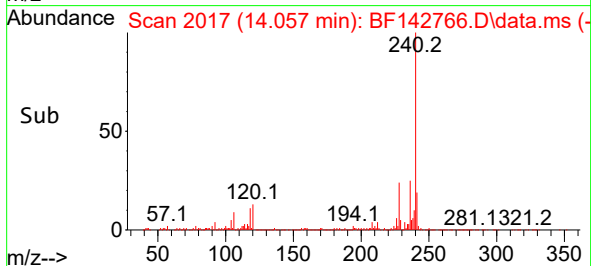
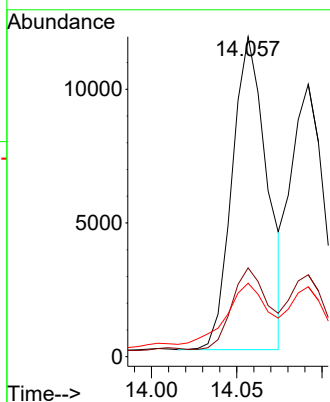
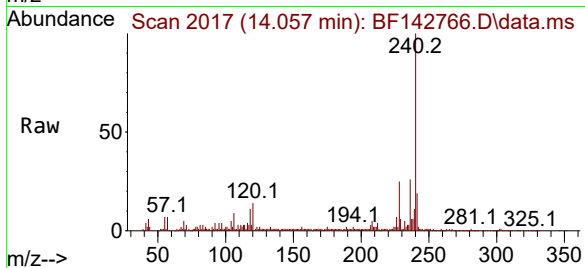
Tgt Ion:228 Resp: 16647

Ion Ratio Lower Upper

228 100

226 27.7 23.6 35.4

229 22.9 15.5 23.3



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.562 min Scan# 2273

Delta R.T. -0.000 min

Lab File: BF142766.D

Acq: 12 Jun 2025 19:26

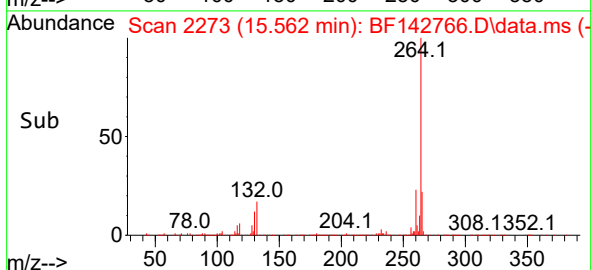
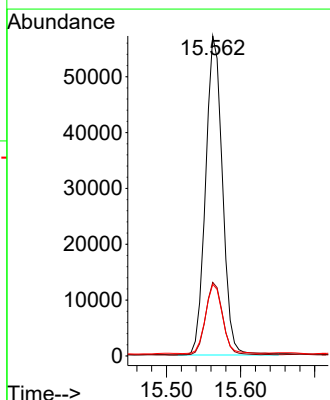
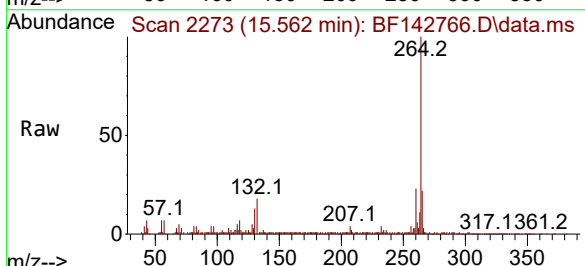
Tgt Ion:264 Resp: 90359

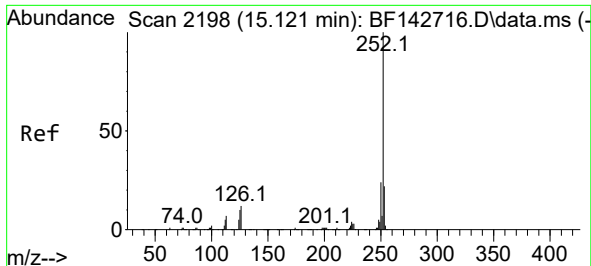
Ion Ratio Lower Upper

264 100

260 23.0 17.8 26.6

265 22.4 16.6 25.0

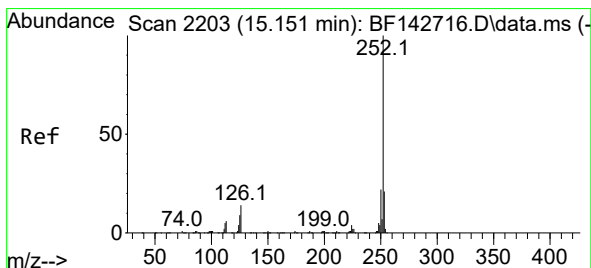
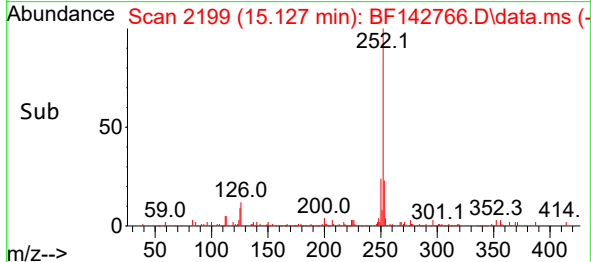
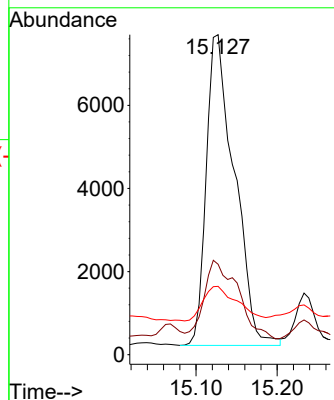
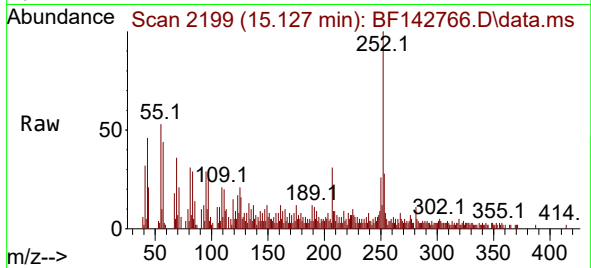




#88
Benzo(b)fluoranthene
Concen: 3.378 ng
RT: 15.127 min Scan# 2198
Delta R.T. 0.006 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

Instrument :
BNA_F
ClientSampleId :
TP-1

Tgt Ion:252 Resp: 17974
Ion Ratio Lower Upper
252 100
253 28.3 17.7 26.5#
125 21.4 7.8 11.6#



#89
Benzo(k)fluoranthene
Concen: 3.482 ng
RT: 15.127 min Scan# 2199
Delta R.T. -0.024 min
Lab File: BF142766.D
Acq: 12 Jun 2025 19:26

Tgt Ion:252 Resp: 17974
Ion Ratio Lower Upper
252 100
253 28.3 17.3 25.9#
125 21.4 7.5 11.3#

