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 Data File : BF142889.D
 Acq On : 27 Jun 2025 13:19
 Operator : RC/JU
 Sample : Q2413-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-35

Quant Time: Jun 27 13:49:37 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

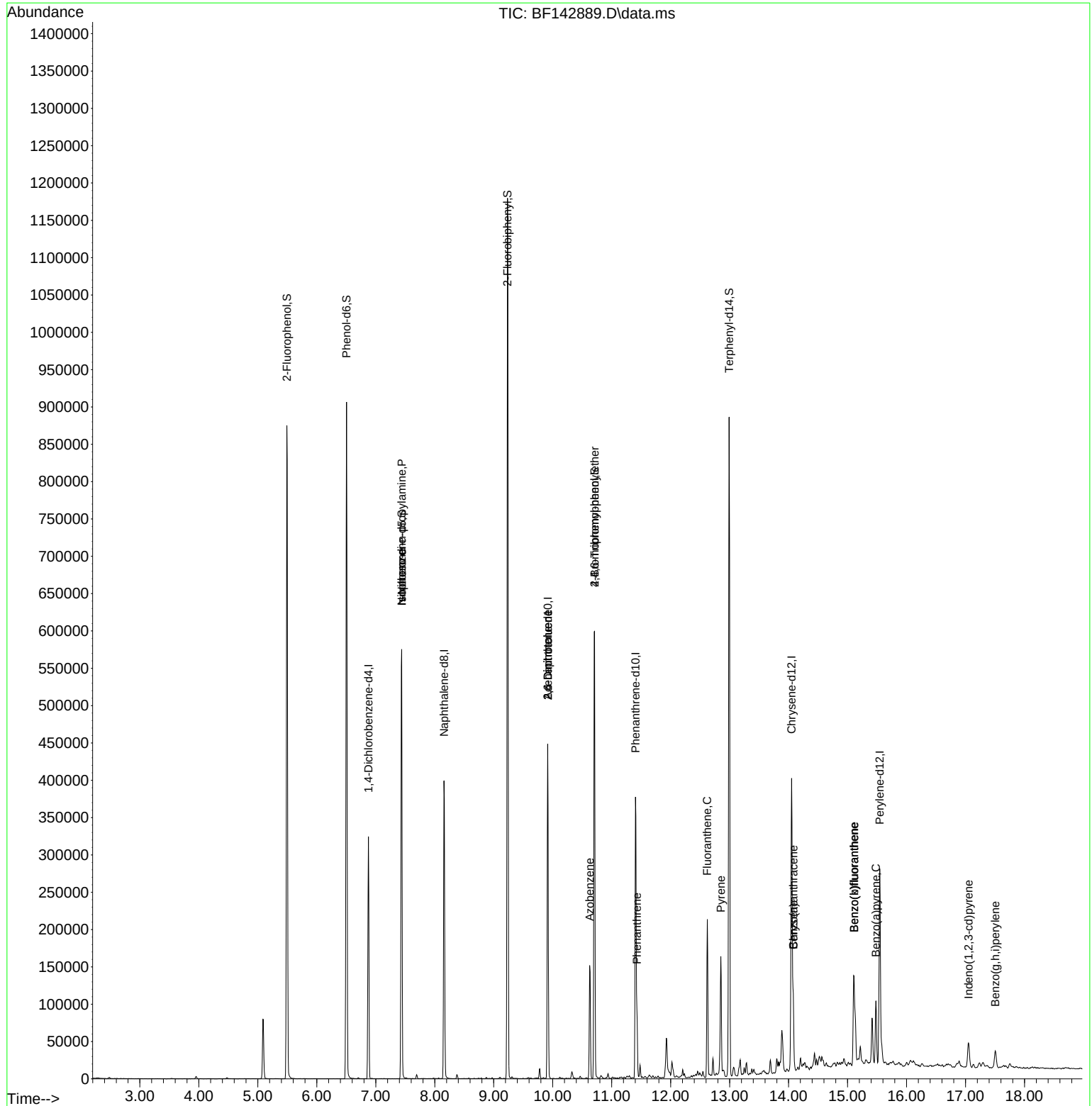
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	69777	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	263920	20.000	ng	-0.01
39) Acenaphthene-d10	9.916	164	134370	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	199779	20.000	ng	0.00
76) Chrysene-d12	14.051	240	149012	20.000	ng	0.00
86) Perylene-d12	15.545	264	152863	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	340387	81.219	ng	0.00
7) Phenol-d6	6.504	99	409015	82.720	ng	0.00
23) Nitrobenzene-d5	7.439	82	251521	52.274	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	105823	76.530	ng	0.00
45) 2-Fluorobiphenyl	9.233	172	528561	51.675	ng	-0.01
79) Terphenyl-d14	12.992	244	417524	38.715	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	7.439	70	33596	11.682	ng	# 74
25) Isophorone	7.439	82	251519	32.586	ng	# 62
51) 2,6-Dinitrotoluene	9.916	165	17313	9.064	ng	# 26
57) 2,4-Dinitrotoluene	9.916	165	17313	6.824	ng	# 27
63) Azobenzene	10.627	77	36255	4.757	ng	# 1
67) 4-Bromophenyl-phenylether	10.710	248	6777	2.981	ng	# 1
71) Phenanthrene	11.427	178	46316	4.280	ng	99
75) Fluoranthene	12.621	202	121010	11.782	ng	99
78) Pyrene	12.851	202	94631	6.775	ng	99
81) Benzo(a)anthracene	14.080	228	51723	5.145	ng	94
83) Chrysene	14.080	228	51723	5.766	ng	98
87) Indeno(1,2,3-cd)pyrene	17.051	276	25850	2.220	ng	96
88) Benzo(b)fluoranthene	15.109	252	104807	11.849	ng	98
89) Benzo(k)fluoranthene	15.109	252	104807	12.665	ng	97
90) Benzo(a)pyrene	15.480	252	49698	5.816	ng	99
92) Benzo(g,h,i)perylene	17.503	276	21403	2.269	ng	99

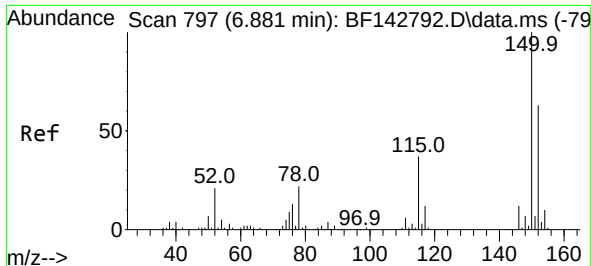
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062725\
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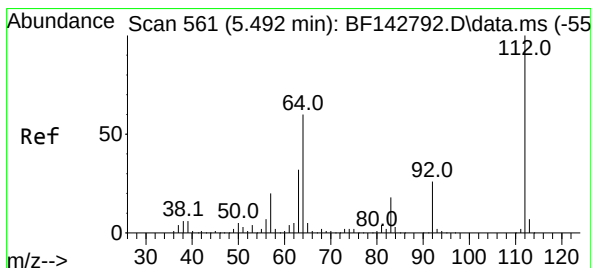
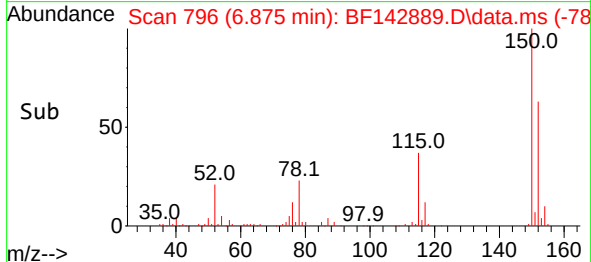
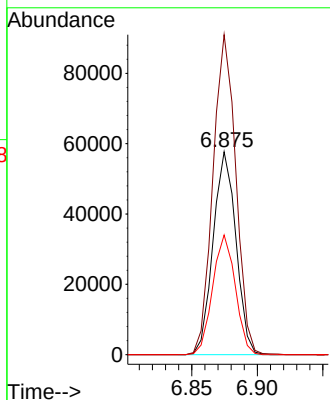
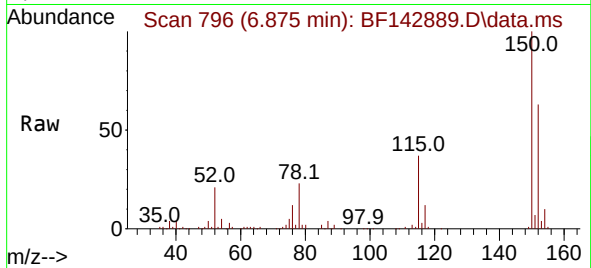




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 797
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

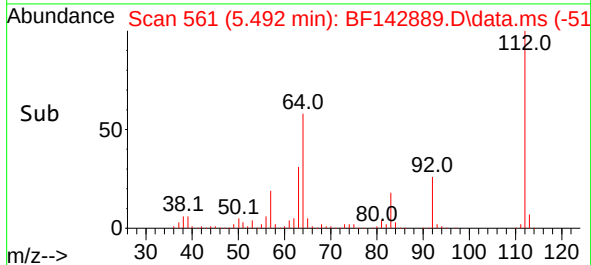
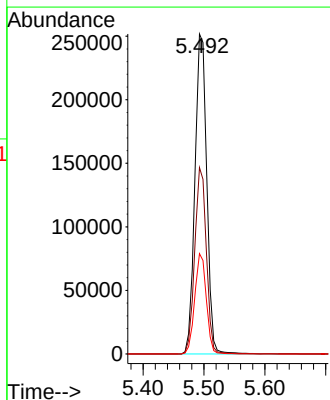
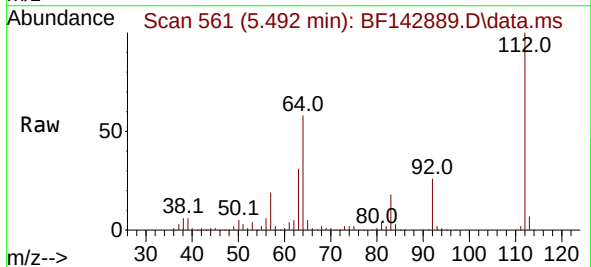
Instrument :
BNA_F
ClientSampleId :
TP-35

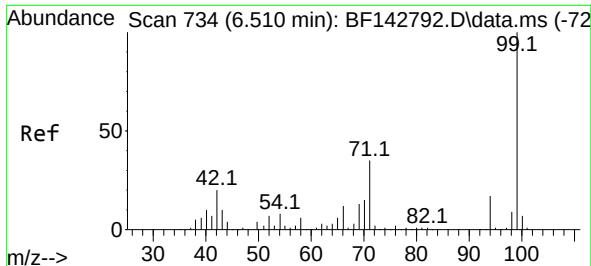
Tgt Ion:152 Resp: 69777
Ion Ratio Lower Upper
152 100
150 157.8 127.2 190.8
115 59.0 46.6 69.8



#5
2-Fluorophenol
Concen: 81.219 ng
RT: 5.492 min Scan# 561
Delta R.T. 0.000 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:112 Resp: 340387
Ion Ratio Lower Upper
112 100
64 58.2 48.2 72.2
63 31.4 25.7 38.5

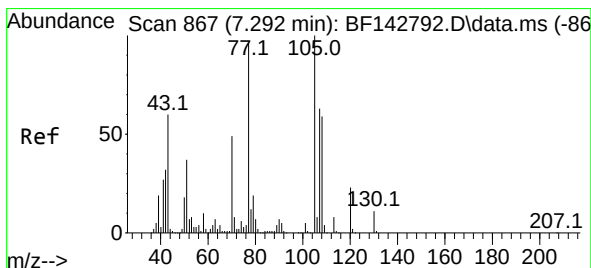
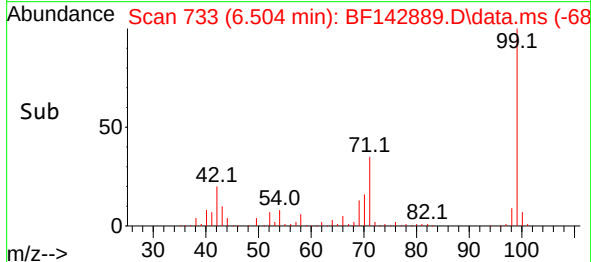
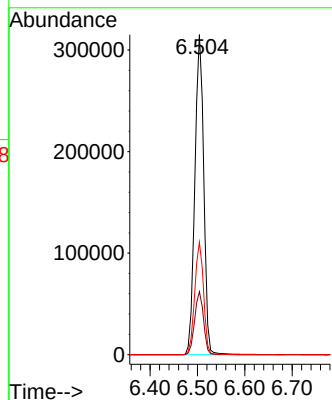
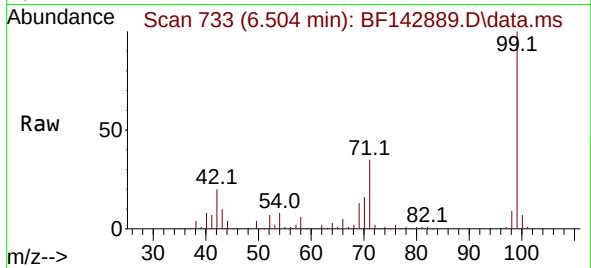




#7
Phenol-d6
Concen: 82.720 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

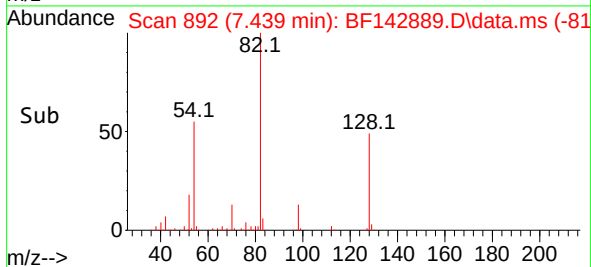
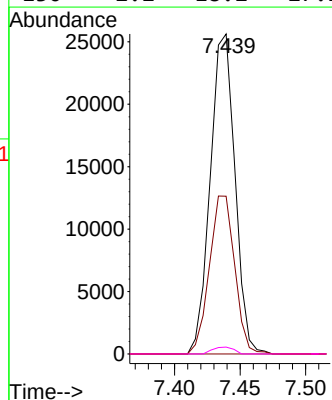
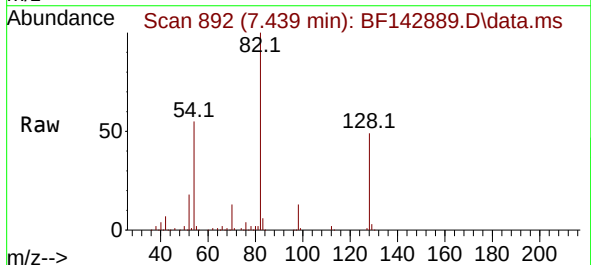
Instrument :
BNA_F
ClientSampleId :
TP-35

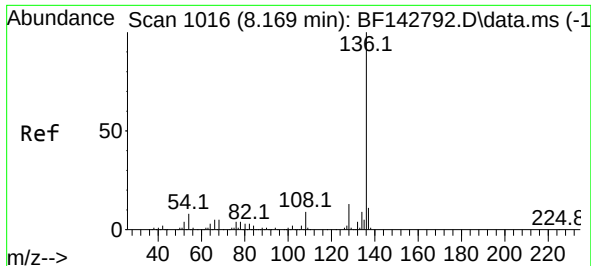
Tgt Ion: 99 Resp: 409015
Ion Ratio Lower Upper
99 100
42 19.7 15.9 23.9
71 35.2 27.8 41.8



#19
n-Nitroso-di-n-propylamine
Concen: 11.682 ng
RT: 7.439 min Scan# 892
Delta R.T. 0.147 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion: 70 Resp: 33596
Ion Ratio Lower Upper
70 100
42 49.3 52.1 78.1#
101 0.0 8.2 12.2#
130 2.2 18.2 27.2#

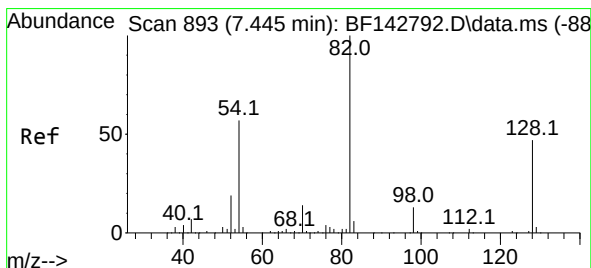
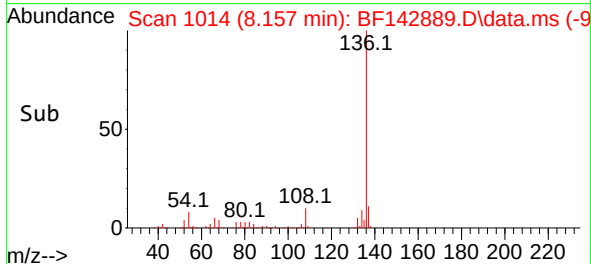
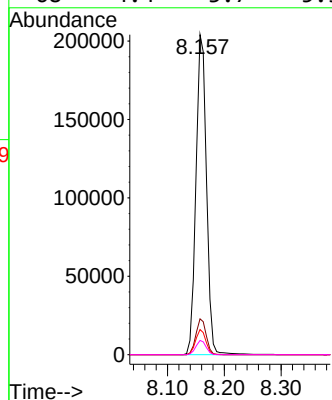
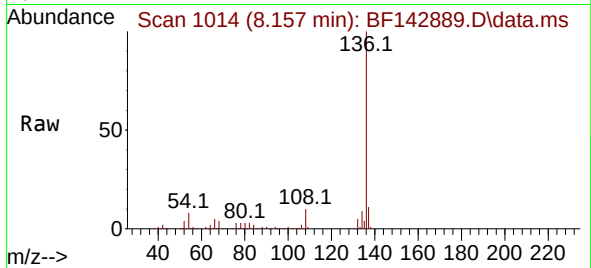




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

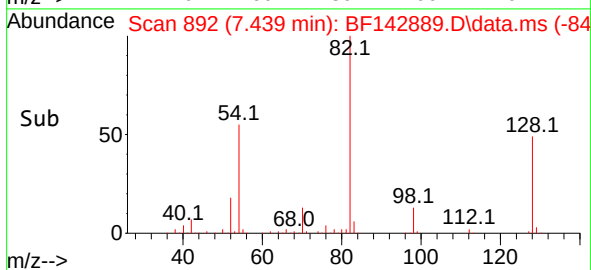
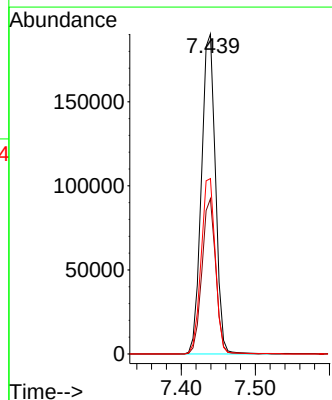
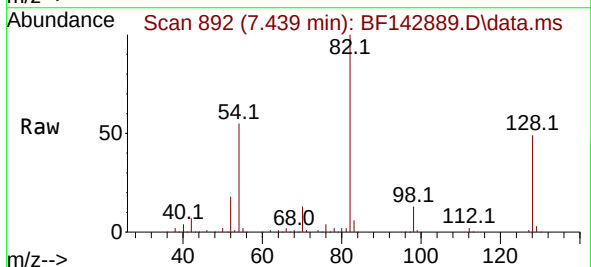
Instrument :
BNA_F
ClientSampleId :
TP-35

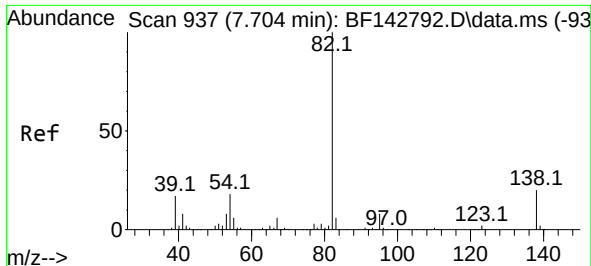
Tgt Ion:136 Resp: 263920
Ion Ratio Lower Upper
136 100
137 11.2 8.4 12.6
54 7.9 6.3 9.5
68 4.4 3.7 5.5



#23
Nitrobenzene-d5
Concen: 52.274 ng
RT: 7.439 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion: 82 Resp: 251521
Ion Ratio Lower Upper
82 100
128 48.5 37.7 56.5
54 54.8 45.7 68.5

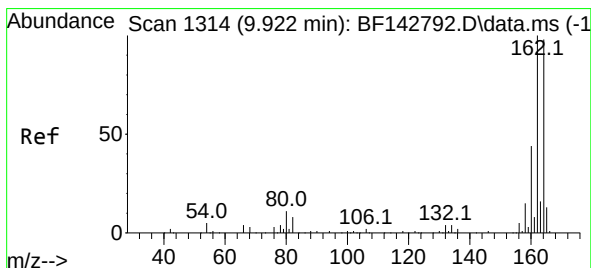
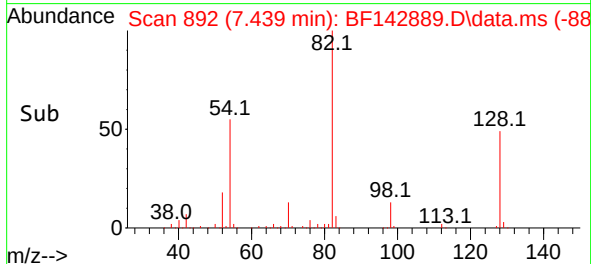
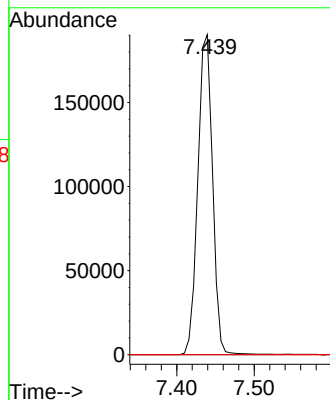
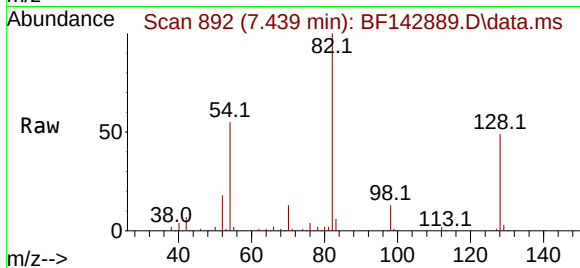




#25
Isophorone
Concen: 32.586 ng
RT: 7.439 min Scan# 89
Delta R.T. -0.265 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

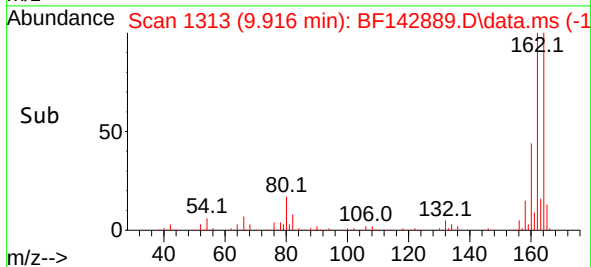
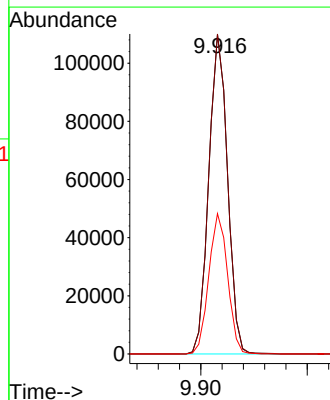
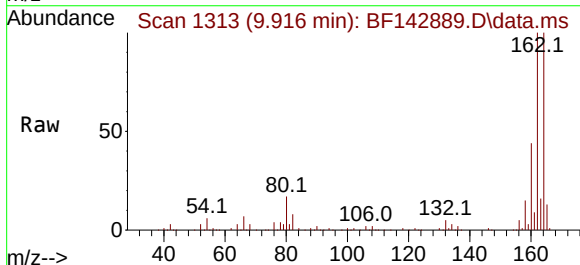
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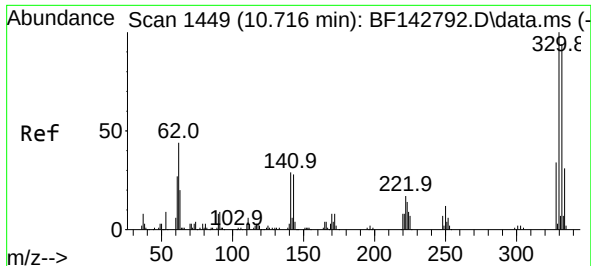
Tgt Ion: 82 Resp: 251519
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 16.2 24.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:164 Resp: 134370
Ion Ratio Lower Upper
164 100
162 100.1 81.8 122.8
160 43.9 36.0 54.0





#42

2,4,6-Tribromophenol

Concen: 76.530 ng

RT: 10.710 min Scan# 1449

Delta R.T. -0.006 min

Lab File: BF142889.D

Acq: 27 Jun 2025 13:19

Instrument :

BNA_F

ClientSampleId :

TP-35

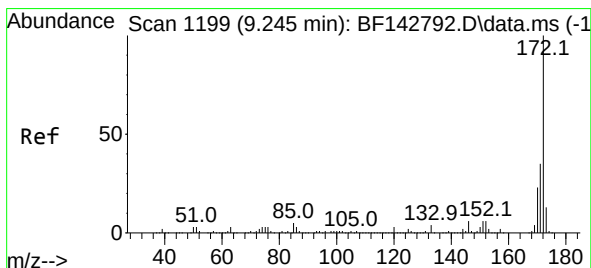
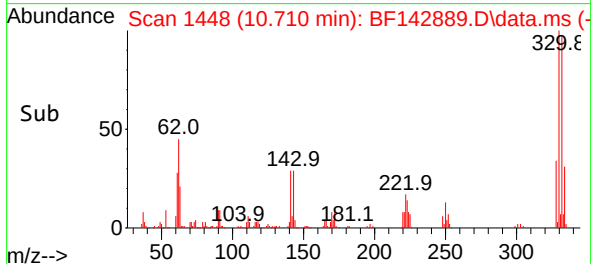
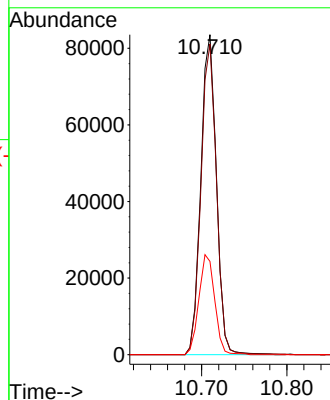
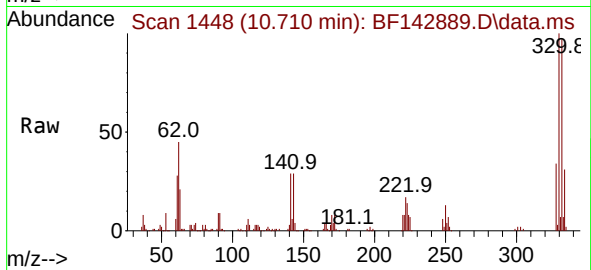
Tgt Ion:330 Resp: 105823

Ion Ratio Lower Upper

330 100

332 97.0 75.0 112.6

141 31.8 25.3 37.9



#45

2-Fluorobiphenyl

Concen: 51.675 ng

RT: 9.233 min Scan# 1197

Delta R.T. -0.012 min

Lab File: BF142889.D

Acq: 27 Jun 2025 13:19

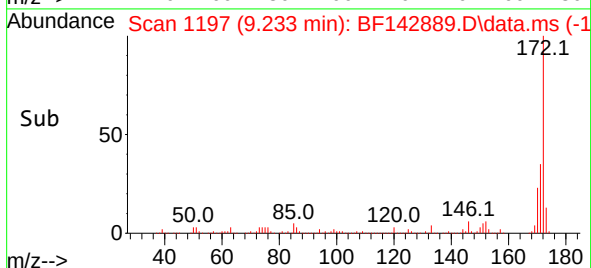
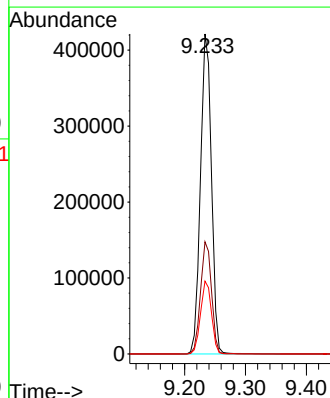
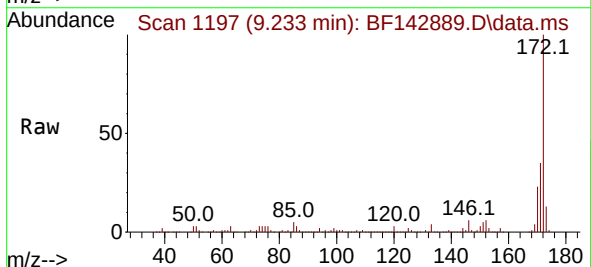
Tgt Ion:172 Resp: 528561

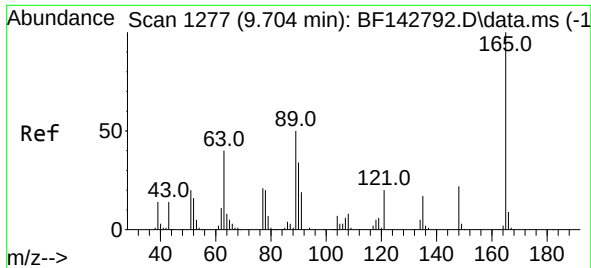
Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 22.7 18.5 27.7

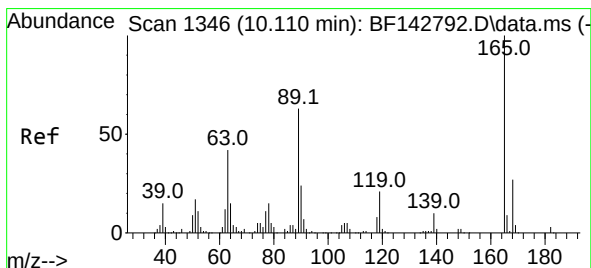
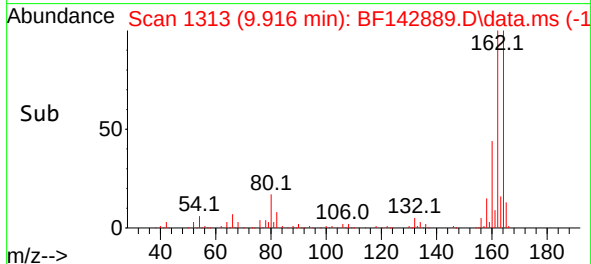
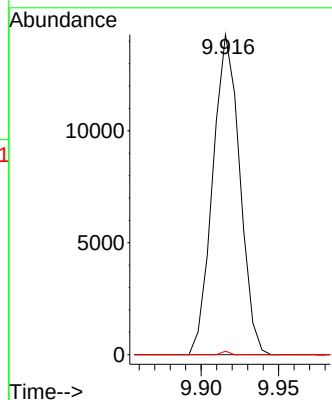
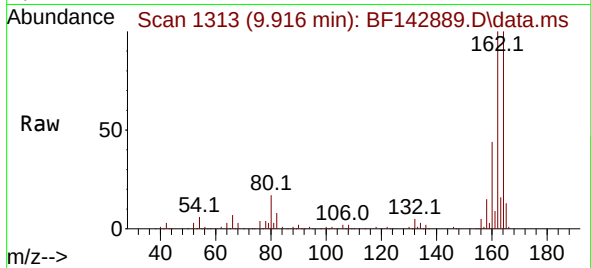




#51
2,6-Dinitrotoluene
Concen: 9.064 ng
RT: 9.916 min Scan# 11
Delta R.T. 0.212 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

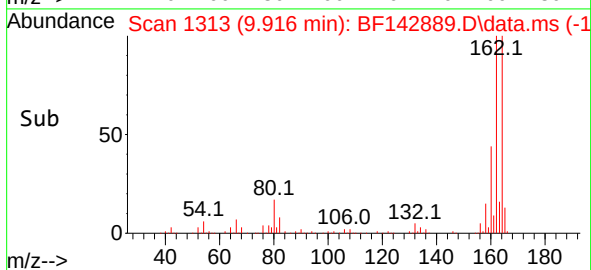
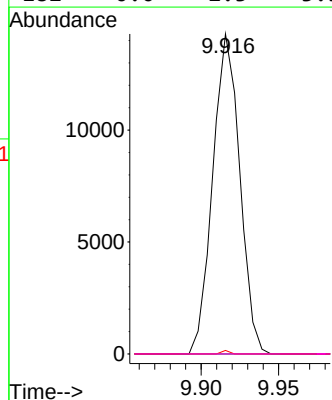
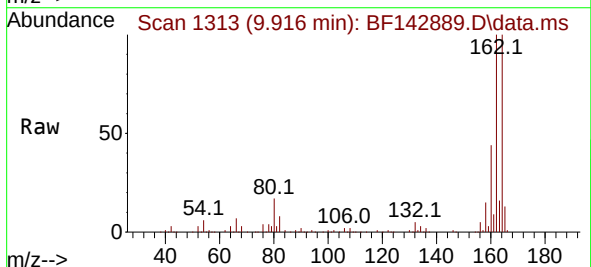
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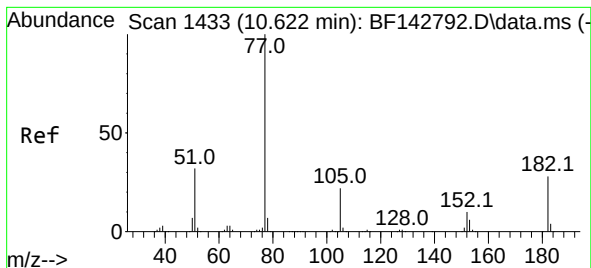
Tgt Ion:165 Resp: 17313
Ion Ratio Lower Upper
165 100
63 0.0 44.2 66.4#
89 1.1 39.8 59.8#



#57
2,4-Dinitrotoluene
Concen: 6.824 ng
RT: 9.916 min Scan# 1313
Delta R.T. -0.194 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:165 Resp: 17313
Ion Ratio Lower Upper
165 100
63 0.0 33.9 50.9#
89 1.1 50.6 75.8#
182 0.0 2.3 3.5#





#63

Azobenzene

Concen: 4.757 ng

RT: 10.627 min Scan# 1433

Delta R.T. 0.006 min

Lab File: BF142889.D

Acq: 27 Jun 2025 13:19

Instrument :

BNA_F

ClientSampleId :

TP-35

Tgt Ion: 77 Resp: 36255

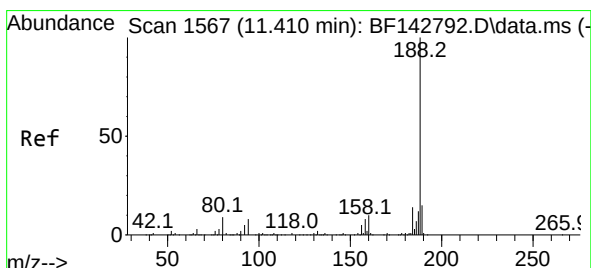
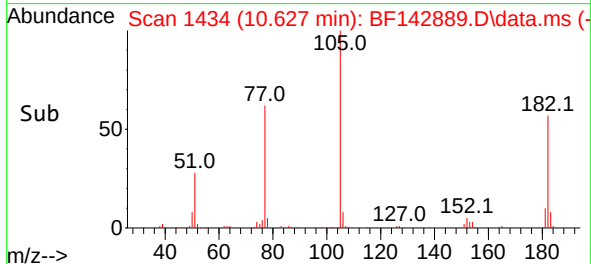
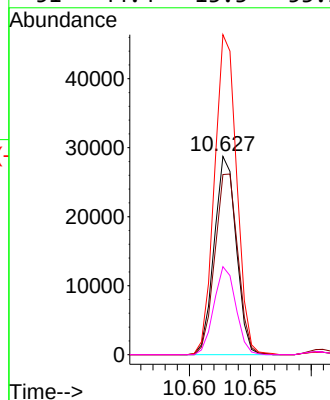
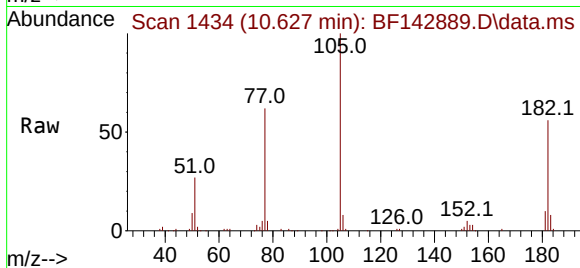
Ion Ratio Lower Upper

77 100

182 90.9 7.7 47.7#

105 161.4 1.9 41.9#

51 44.4 13.3 53.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.404 min Scan# 1566

Delta R.T. -0.006 min

Lab File: BF142889.D

Acq: 27 Jun 2025 13:19

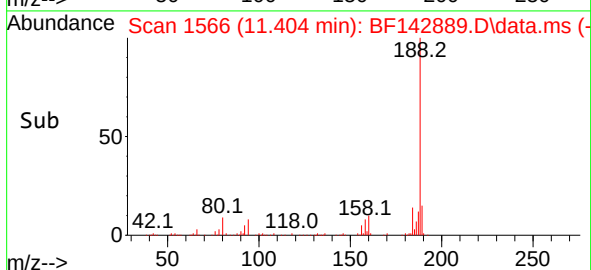
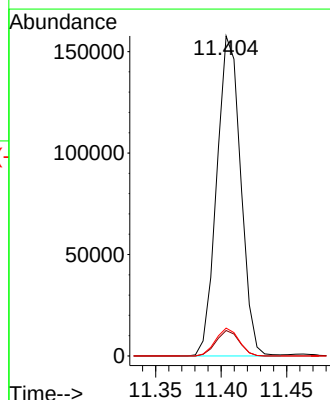
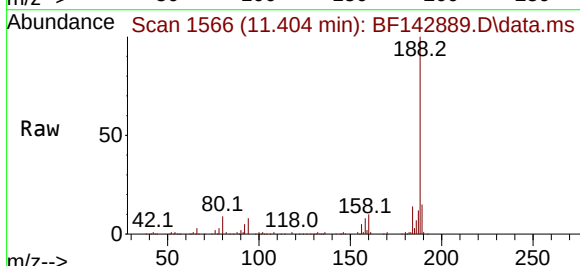
Tgt Ion: 188 Resp: 199779

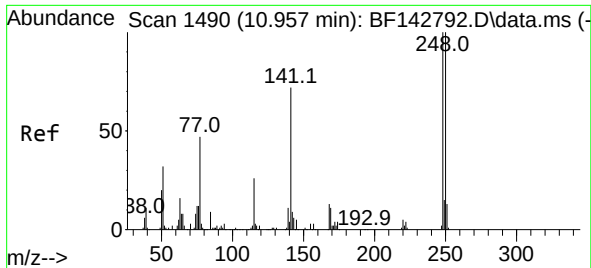
Ion Ratio Lower Upper

188 100

94 8.0 6.7 10.1

80 8.7 6.9 10.3

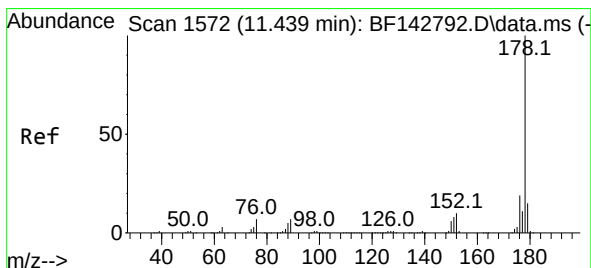
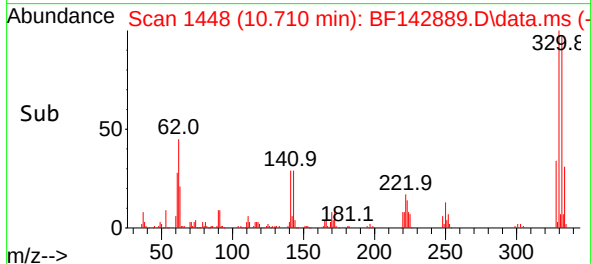
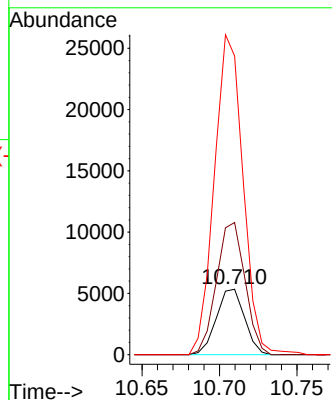
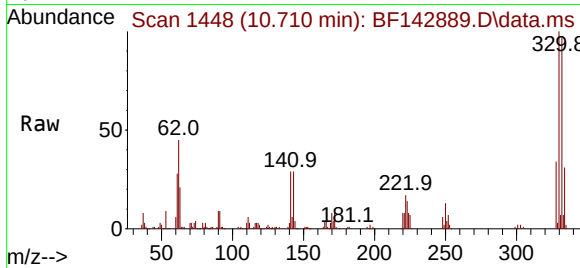




#67
4-Bromophenyl-phenylether
Concen: 2.981 ng
RT: 10.710 min Scan# 1490
Delta R.T. -0.247 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

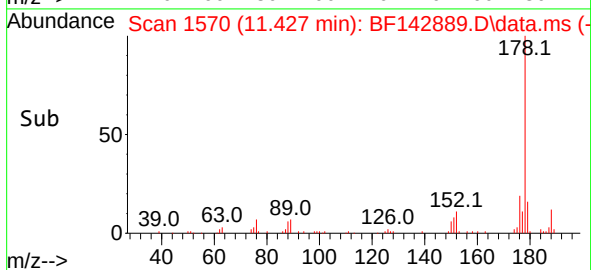
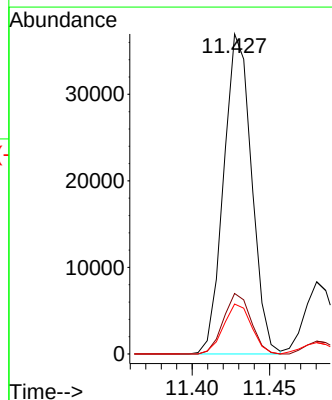
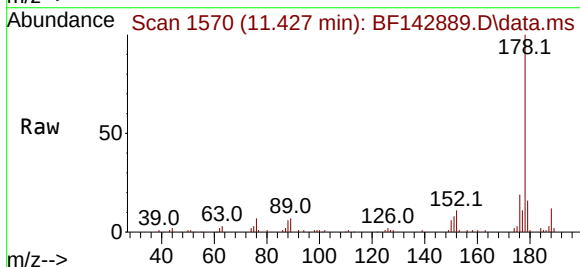
Instrument :
BNA_F
ClientSampleId :
TP-35

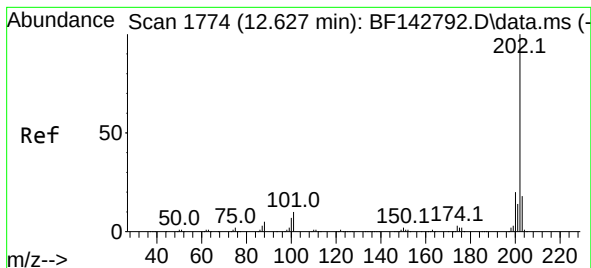
Tgt Ion:248 Resp: 6777
Ion Ratio Lower Upper
248 100
250 202.0 79.8 119.8#
141 456.8 57.8 86.6#



#71
Phenanthrene
Concen: 4.280 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:178 Resp: 46316
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.6 12.0 18.0





#75

Fluoranthene

Concen: 11.782 ng

RT: 12.621 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF142889.D

Acq: 27 Jun 2025 13:19

Instrument :

BNA_F

ClientSampleId :

TP-35

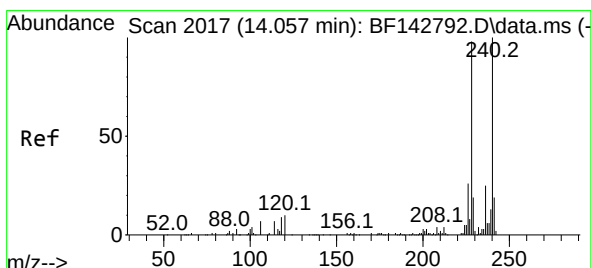
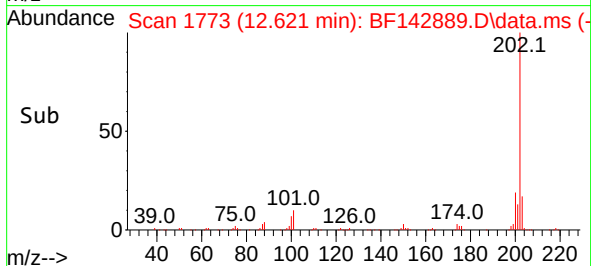
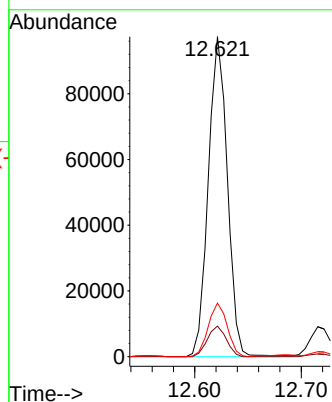
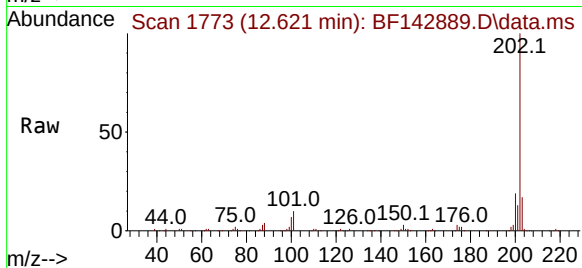
Tgt Ion:202 Resp: 121010

Ion Ratio Lower Upper

202 100

101 9.5 0.0 29.7

203 16.7 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: BF142889.D

Acq: 27 Jun 2025 13:19

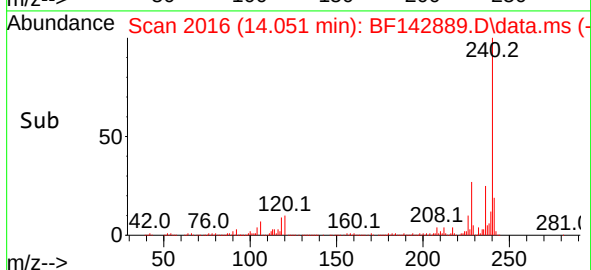
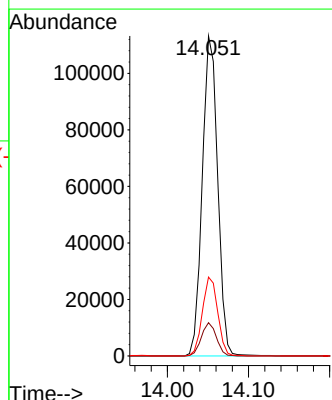
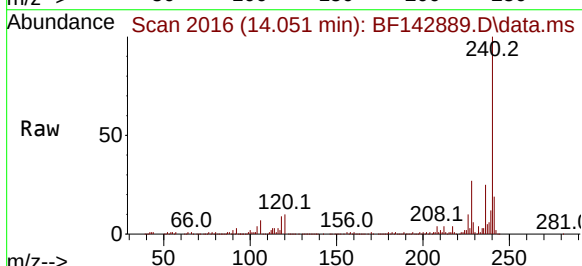
Tgt Ion:240 Resp: 149012

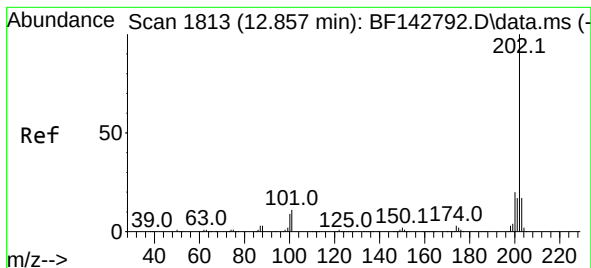
Ion Ratio Lower Upper

240 100

120 10.4 8.2 12.2

236 24.7 19.8 29.8





#78

Pyrene

Concen: 6.775 ng

RT: 12.851 min Scan# 1812

Delta R.T. -0.006 min

Lab File: BF142889.D

Acq: 27 Jun 2025 13:19

Instrument :

BNA_F

ClientSampleId :

TP-35

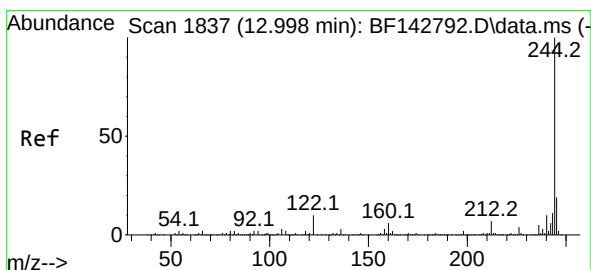
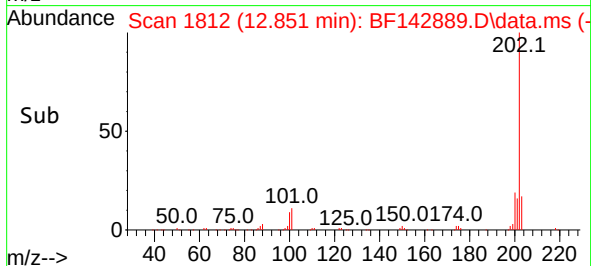
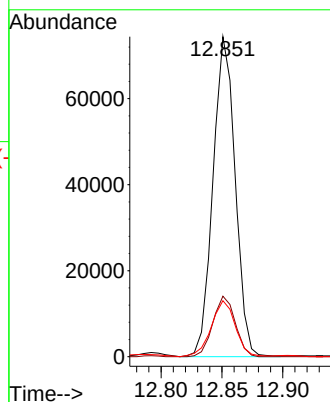
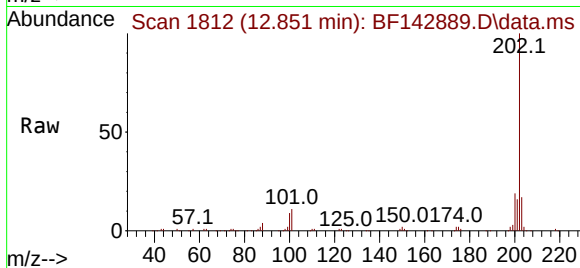
Tgt Ion:202 Resp: 94631

Ion Ratio Lower Upper

202 100

200 18.9 15.7 23.5

203 17.5 13.8 20.6



#79

Terphenyl-d14

Concen: 38.715 ng

RT: 12.992 min Scan# 1836

Delta R.T. -0.006 min

Lab File: BF142889.D

Acq: 27 Jun 2025 13:19

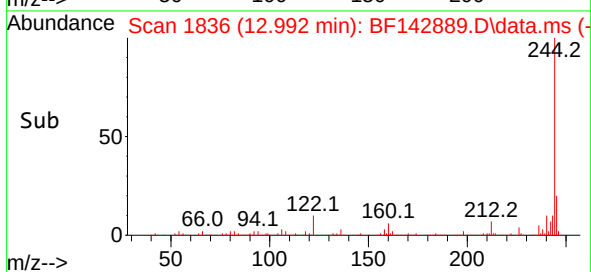
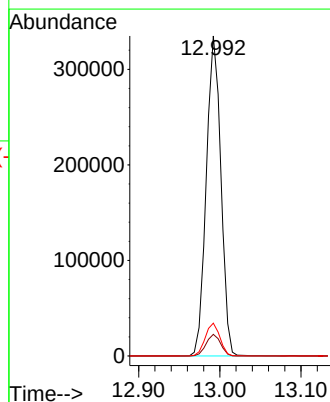
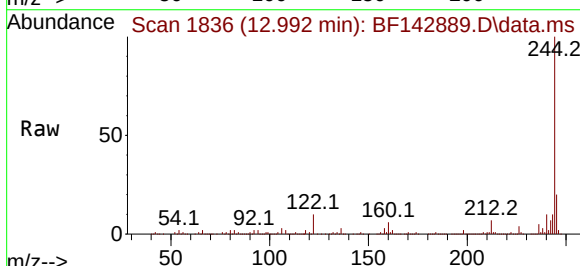
Tgt Ion:244 Resp: 417524

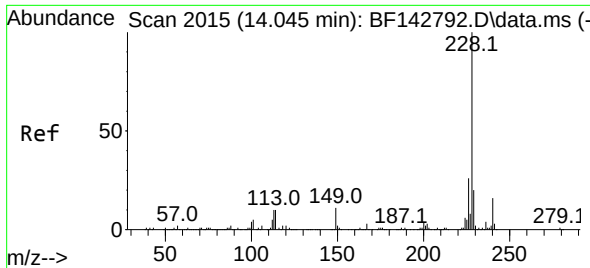
Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

122 10.3 8.2 12.2

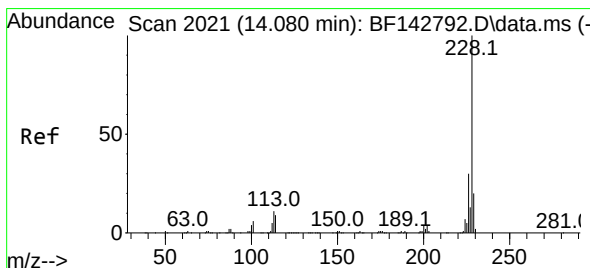
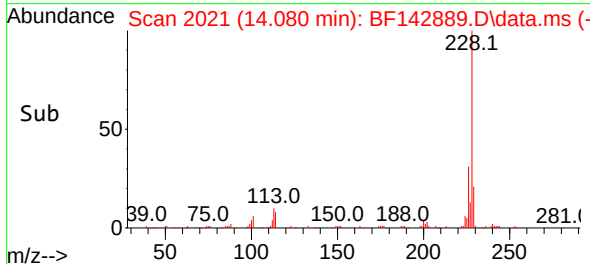
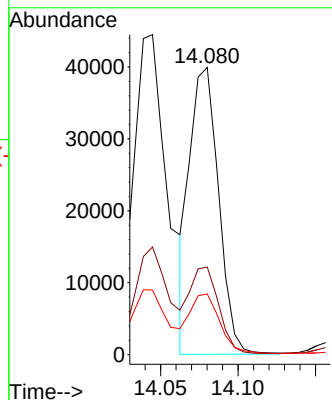
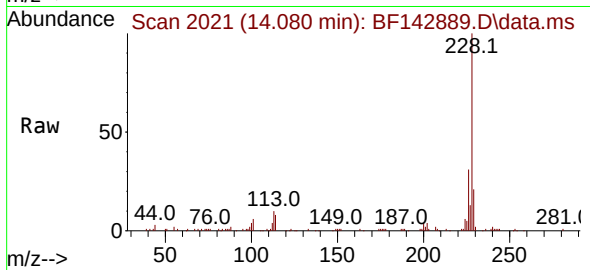




#81
Benzo(a)anthracene
Concen: 5.145 ng
RT: 14.080 min Scan# 2021
Delta R.T. 0.035 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

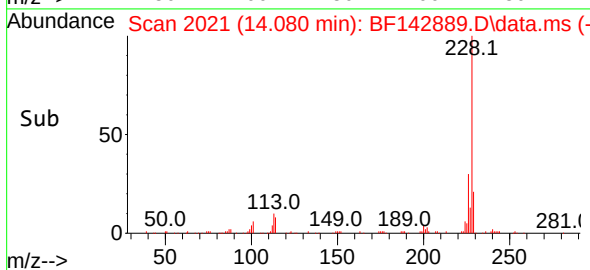
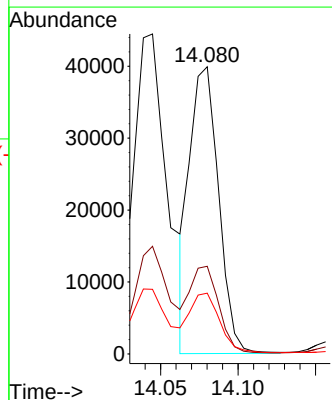
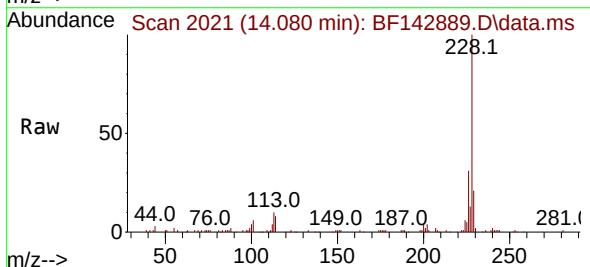
Instrument :
BNA_F
ClientSampleId :
TP-35

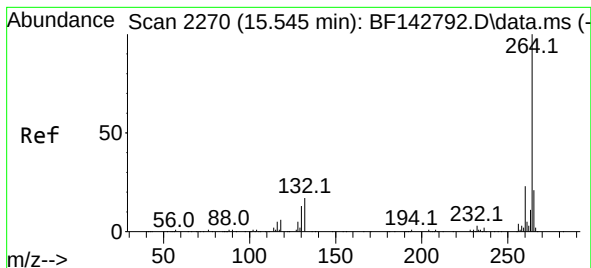
Tgt Ion:228 Resp: 51723
Ion Ratio Lower Upper
228 100
226 30.5 21.2 31.8
229 21.2 15.6 23.4



#83
Chrysene
Concen: 5.766 ng
RT: 14.080 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:228 Resp: 51723
Ion Ratio Lower Upper
228 100
226 30.5 23.7 35.5
229 21.2 15.7 23.5





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.545 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142889.D

Acq: 27 Jun 2025 13:19

Instrument :

BNA_F

ClientSampleId :

TP-35

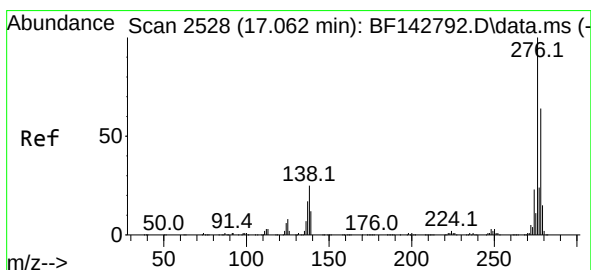
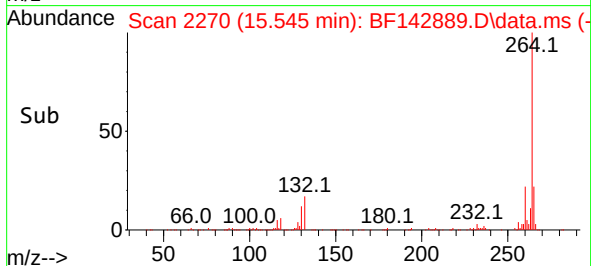
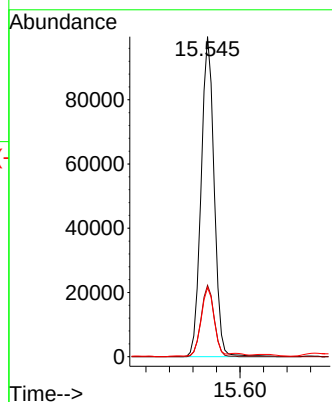
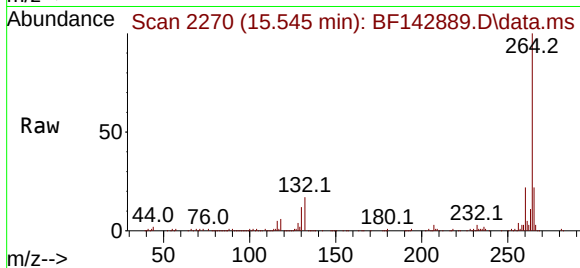
Tgt Ion:264 Resp: 152863

Ion Ratio Lower Upper

264 100

260 22.3 18.1 27.1

265 21.5 16.6 25.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.220 ng

RT: 17.051 min Scan# 2526

Delta R.T. -0.012 min

Lab File: BF142889.D

Acq: 27 Jun 2025 13:19

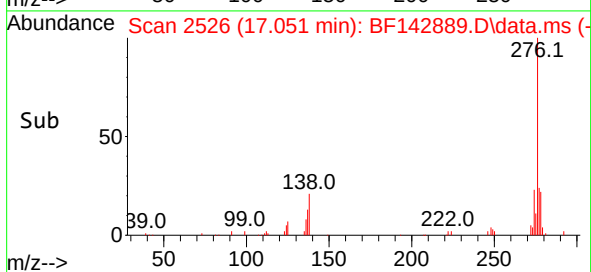
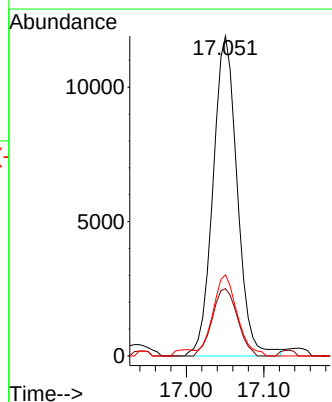
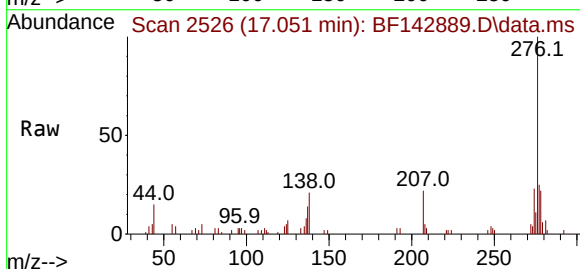
Tgt Ion:276 Resp: 25850

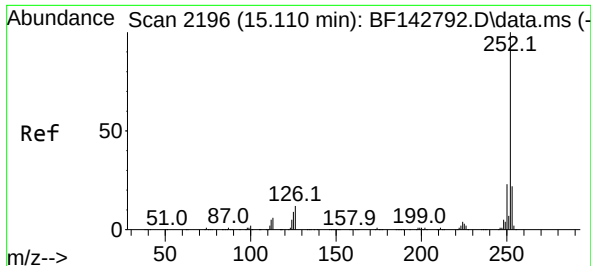
Ion Ratio Lower Upper

276 100

138 22.0 20.2 30.4

277 25.3 19.8 29.6

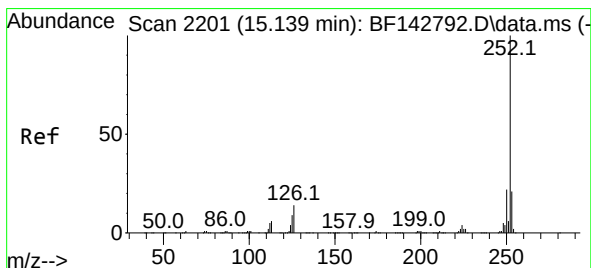
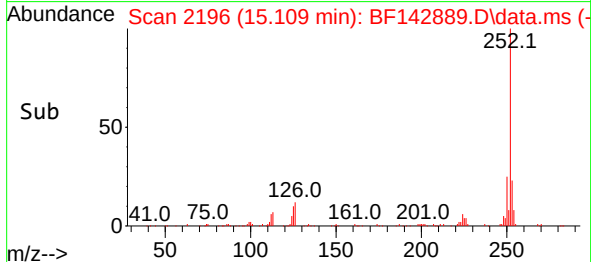
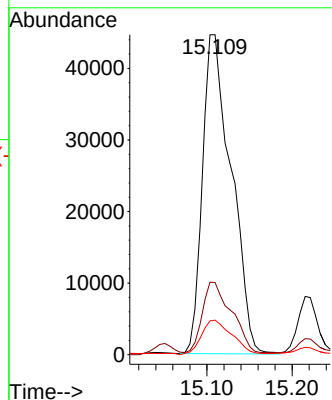
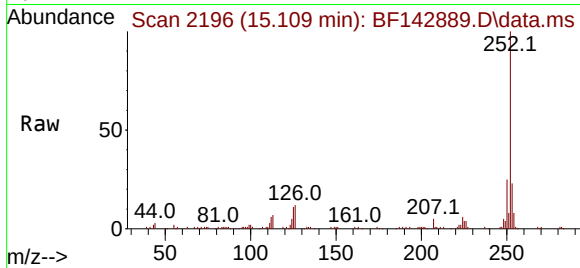




#88
Benzo(b)fluoranthene
Concen: 11.849 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.000 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

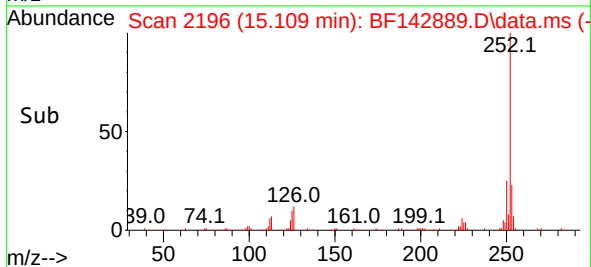
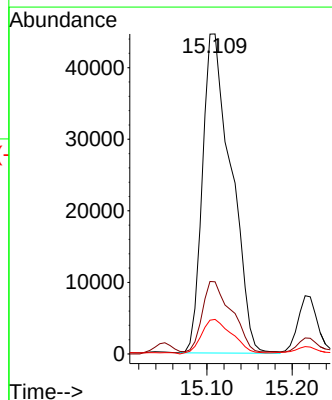
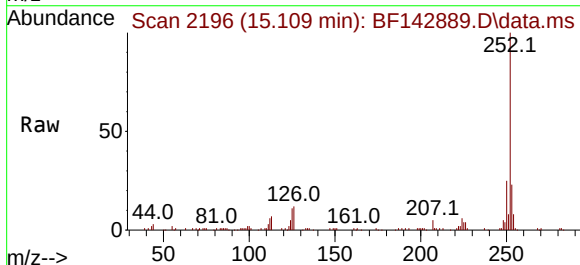
Instrument :
BNA_F
ClientSampleId :
TP-35

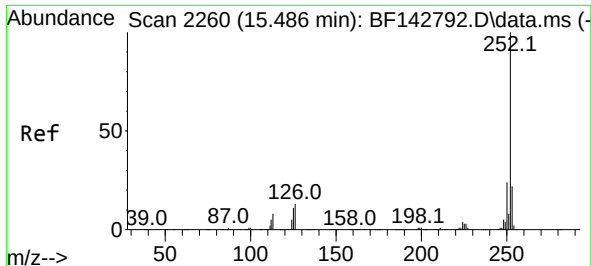
Tgt Ion:252 Resp: 104807
Ion Ratio Lower Upper
252 100
253 22.5 17.5 26.3
125 10.8 7.4 11.0



#89
Benzo(k)fluoranthene
Concen: 12.665 ng
RT: 15.109 min Scan# 2196
Delta R.T. -0.029 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:252 Resp: 104807
Ion Ratio Lower Upper
252 100
253 22.5 17.2 25.8
125 10.8 7.4 11.2

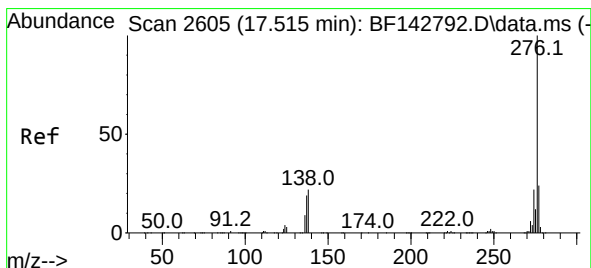
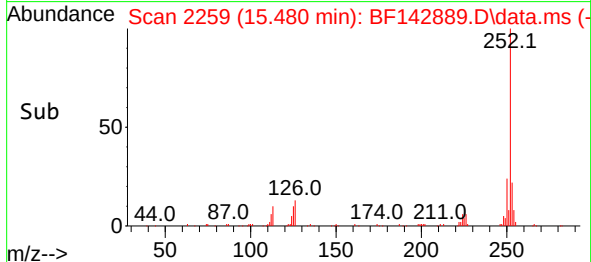
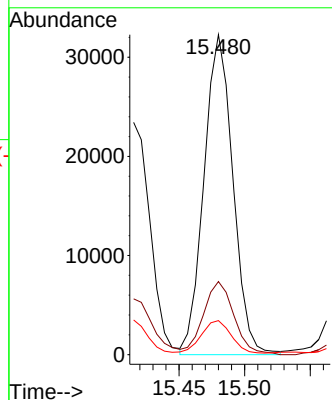
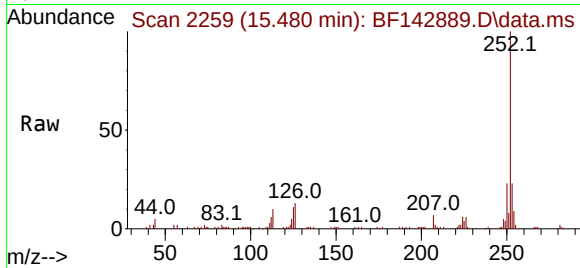




#90
Benzo(a)pyrene
Concen: 5.816 ng
RT: 15.480 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Instrument :
BNA_F
ClientSampleId :
TP-35

Tgt Ion:252 Resp: 49698
Ion Ratio Lower Upper
252 100
253 22.9 17.5 26.3
125 10.6 8.6 12.8



#92
Benzo(g,h,i)perylene
Concen: 2.269 ng
RT: 17.503 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF142889.D
Acq: 27 Jun 2025 13:19

Tgt Ion:276 Resp: 21403
Ion Ratio Lower Upper
276 100
277 23.0 18.8 28.2
138 21.7 17.6 26.4

