

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120125\
 Data File : BF144388.D
 Acq On : 01 Dec 2025 15:45
 Operator : RC/JU
 Sample : Q3719-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 01 16:08:50 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

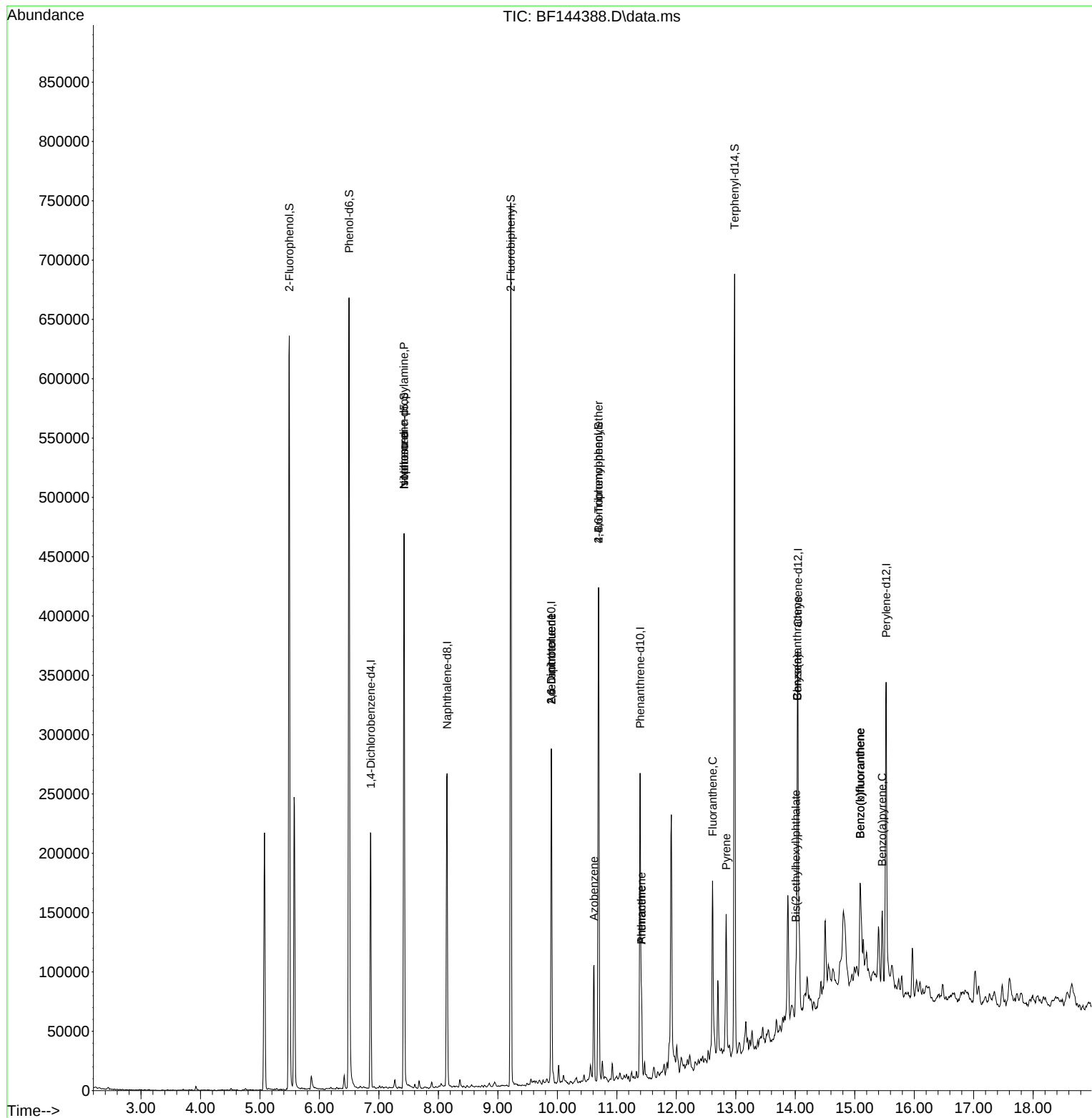
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	47886	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	176365	20.000	ng	-0.01
39) Acenaphthene-d10	9.898	164	87150	20.000	ng	-0.02
64) Phenanthrene-d10	11.392	188	137127	20.000	ng	-0.01
76) Chrysene-d12	14.045	240	130274	20.000	ng	0.00
86) Perylene-d12	15.527	264	154506	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	280528	91.674	ng	0.00
7) Phenol-d6	6.498	99	306713	88.459	ng	0.00
23) Nitrobenzene-d5	7.422	82	191621	62.751	ng	-0.01
42) 2,4,6-Tribromophenol	10.692	330	81698	74.703	ng	-0.01
45) 2-Fluorobiphenyl	9.216	172	351776	59.616	ng	-0.01
79) Terphenyl-d14	12.980	244	342831	41.801	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.422	70	28834	12.632	ng	# 75
25) Isophorone	7.422	82	191620	33.175	ng	# 66
51) 2,6-Dinitrotoluene	9.898	165	11237	9.615	ng	# 27
57) 2,4-Dinitrotoluene	9.898	165	11237	7.182	ng	# 27
63) Azobenzene	10.616	77	23500	4.744	ng	# 1
67) 4-Bromophenyl-phenylether	10.692	248	5068	2.896	ng	# 1
71) Phenanthrene	11.416	178	38898	5.697	ng	98
72) Anthracene	11.416	178	38898	5.603	ng	99
75) Fluoranthene	12.610	202	76723	10.879	ng	98
78) Pyrene	12.839	202	71799	6.835	ng	96
81) Benzo(a)anthracene	14.033	228	45679	5.059	ng	97
83) Chrysene	14.033	228	45679	5.480	ng	98
84) Bis(2-ethylhexyl)phtha...	14.010	149	14718	2.953	ng	# 92
88) Benzo(b)fluoranthene	15.092	252	72673	8.273	ng	# 92
89) Benzo(k)fluoranthene	15.092	252	72673	8.839	ng	# 93
90) Benzo(a)pyrene	15.463	252	40123	4.951	ng	# 93

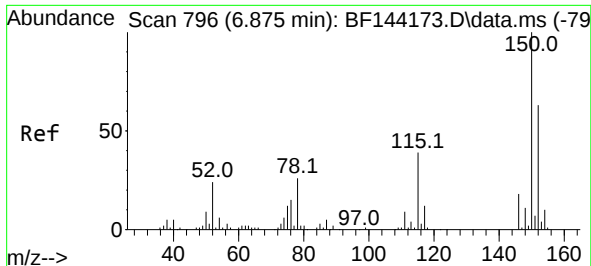
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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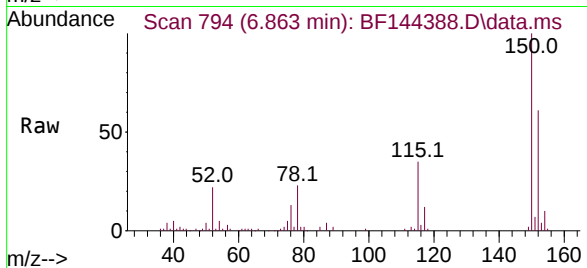
Quant Time: Dec 01 16:08:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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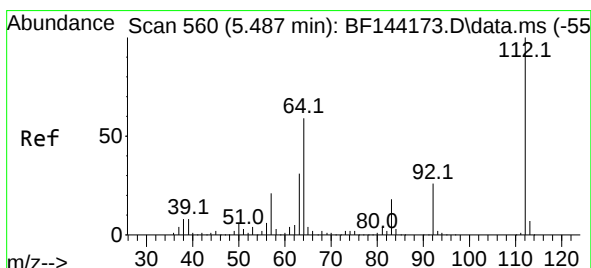
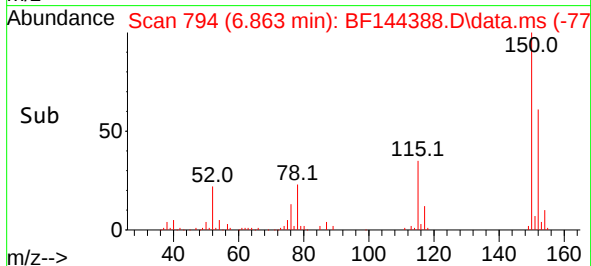
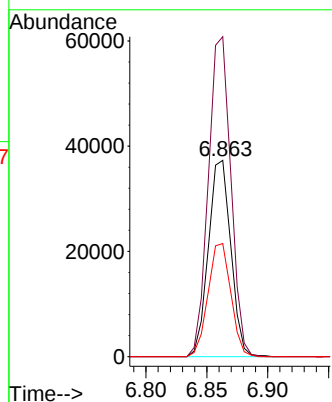


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 796
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Instrument :
BNA_F
ClientSampleId :

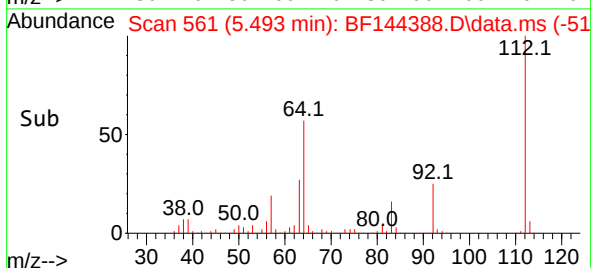
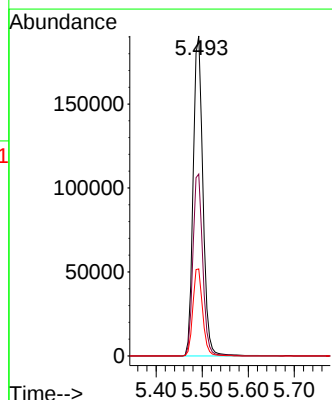
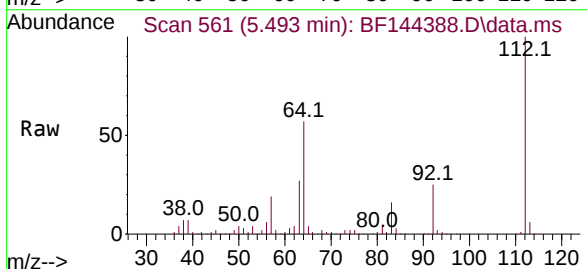


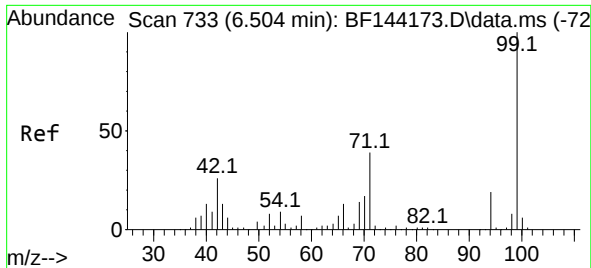
Tgt Ion:152 Resp: 47886
Ion Ratio Lower Upper
152 100
150 163.1 127.4 191.0
115 57.6 49.5 74.3



#5
2-Fluorophenol
Concen: 91.674 ng
RT: 5.493 min Scan# 561
Delta R.T. -0.000 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

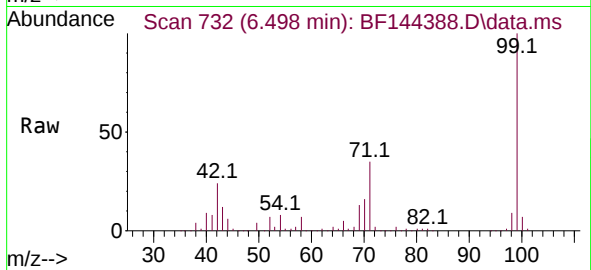
Tgt Ion:112 Resp: 280528
Ion Ratio Lower Upper
112 100
64 56.8 47.2 70.8
63 27.2 24.4 36.6



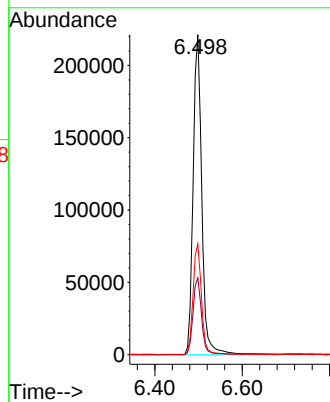
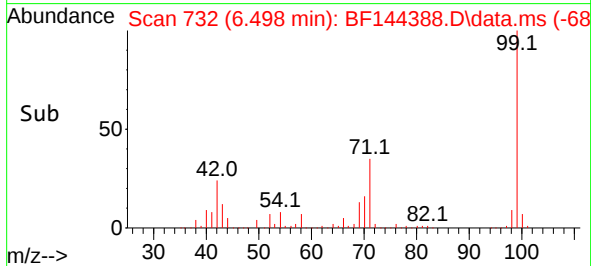


#7
Phenol-d6
Concen: 88.459 ng
RT: 6.498 min Scan# 731
Delta R.T. -0.000 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

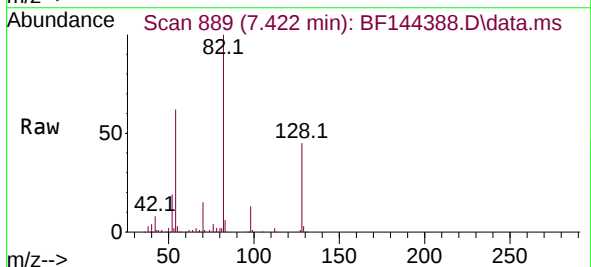
Instrument :
BNA_F
ClientSampleId :



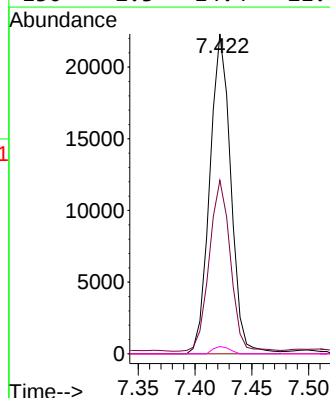
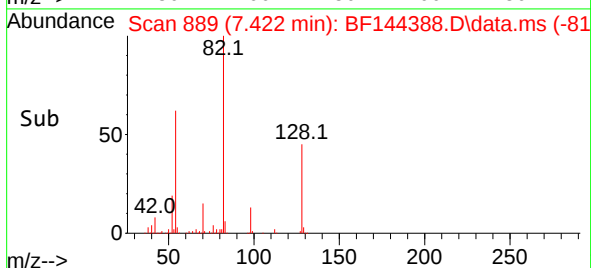
Tgt Ion: 99 Resp: 306713
Ion Ratio Lower Upper
99 100
42 24.0 20.9 31.3
71 34.6 31.4 47.2

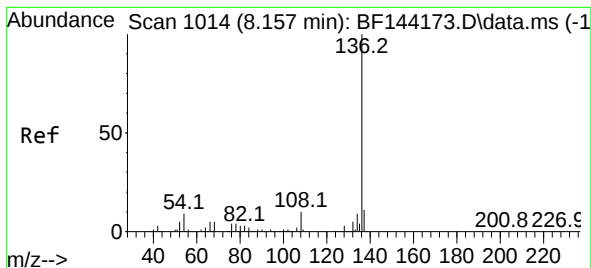


#19
n-Nitroso-di-n-propylamine
Concen: 12.632 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.147 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45



Tgt Ion: 70 Resp: 28834
Ion Ratio Lower Upper
70 100
42 54.2 58.3 87.5#
101 0.0 7.0 10.6#
130 2.3 14.4 21.6#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.145 min Scan# 1012

Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

Tgt Ion:136 Resp: 176365

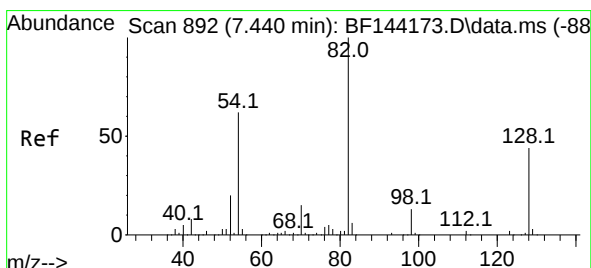
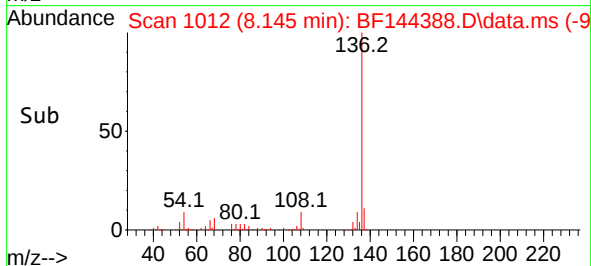
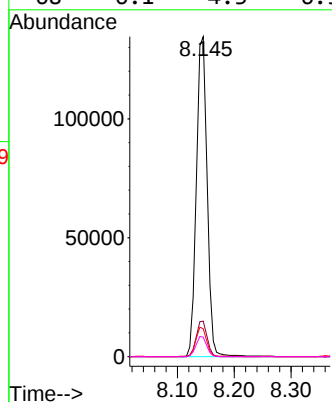
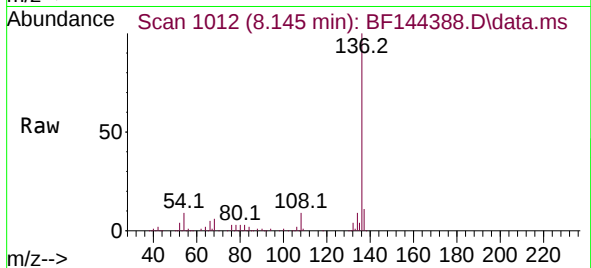
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 8.7 7.0 10.6

68 6.1 4.3 6.5



#23

Nitrobenzene-d5

Concen: 62.751 ng

RT: 7.422 min Scan# 889

Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

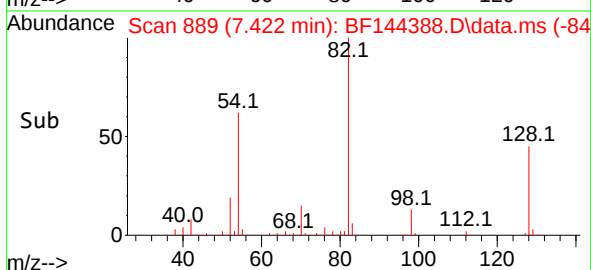
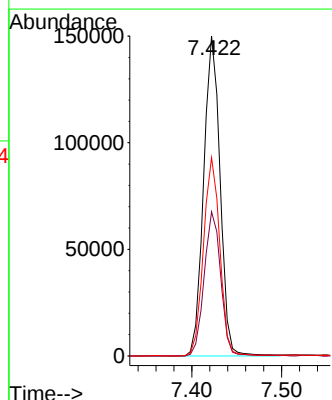
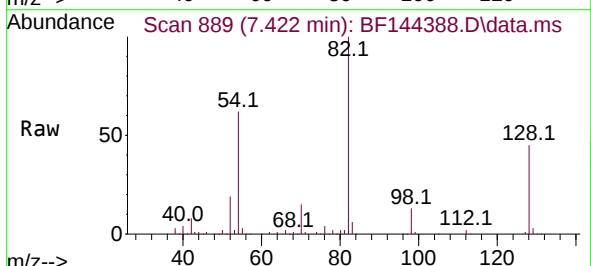
Tgt Ion: 82 Resp: 191621

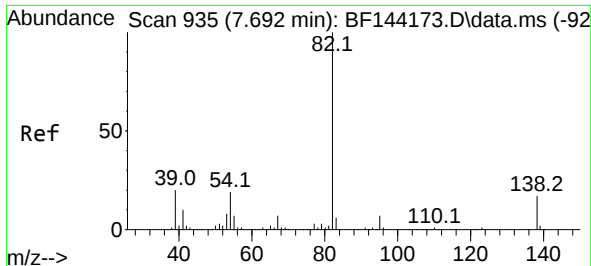
Ion Ratio Lower Upper

82 100

128 45.0 34.7 52.1

54 62.0 49.5 74.3

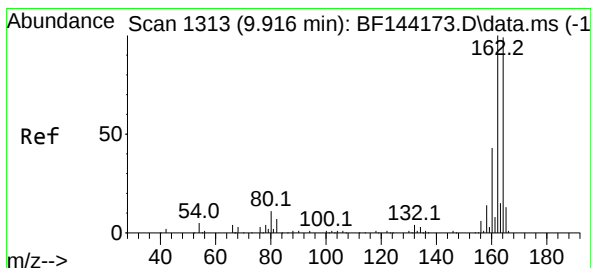
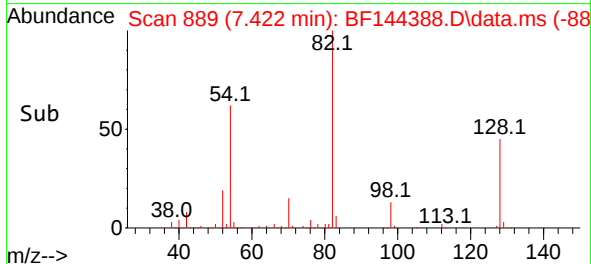
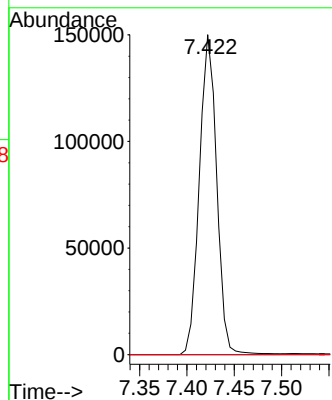
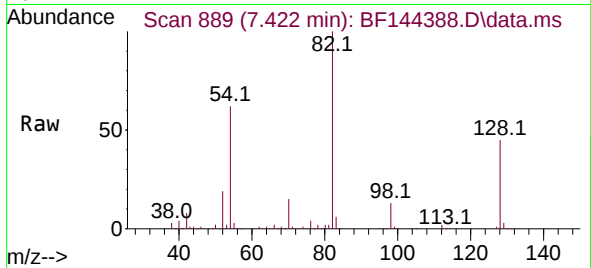




#25
Isophorone
Concen: 33.175 ng
RT: 7.422 min Scan# 88
Delta R.T. -0.265 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

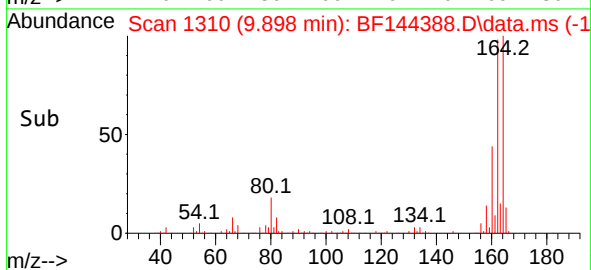
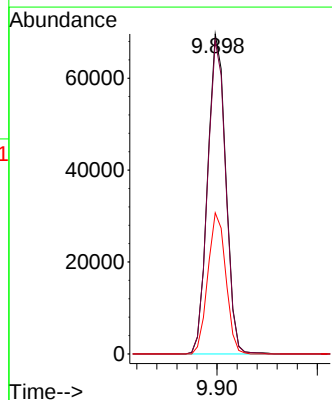
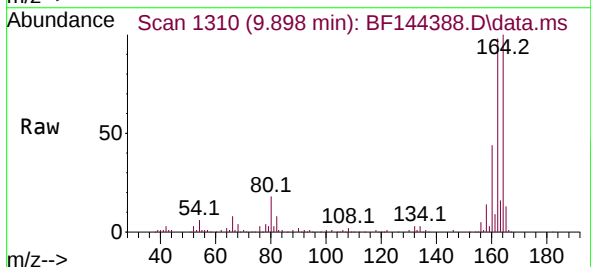
Instrument :
BNA_F
ClientSampleId :

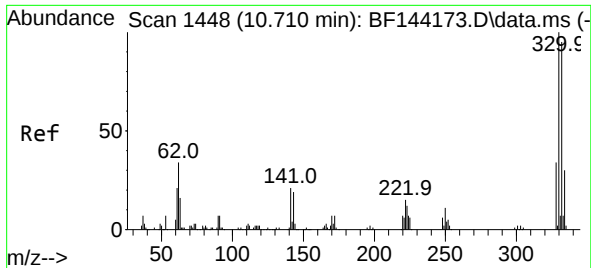
Tgt Ion: 82 Resp: 191620
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 13.7 20.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.018 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

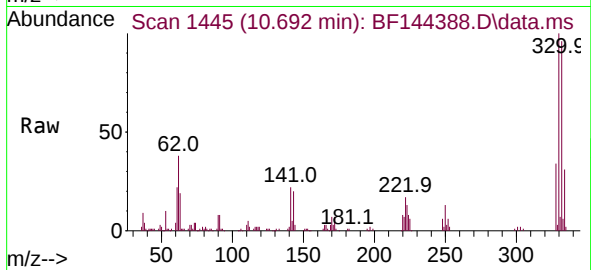
Tgt Ion: 164 Resp: 87150
Ion Ratio Lower Upper
164 100
162 97.8 81.1 121.7
160 44.1 34.5 51.7



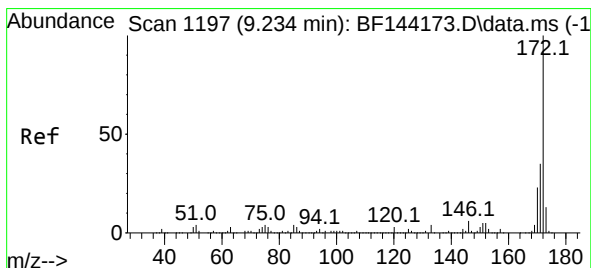
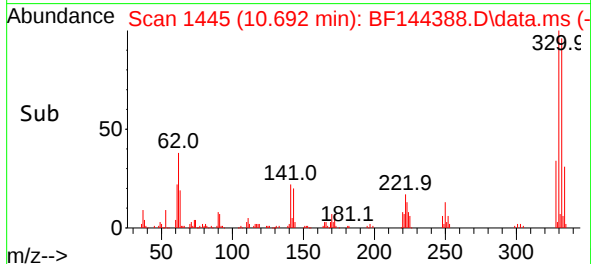
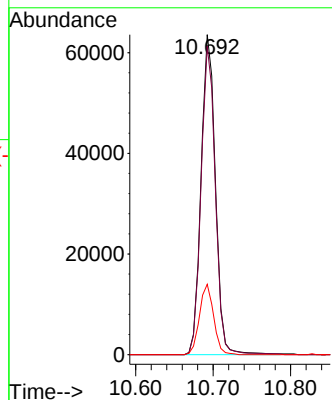


#42
2,4,6-Tribromophenol
Concen: 74.703 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Instrument :
BNA_F
ClientSampleId :

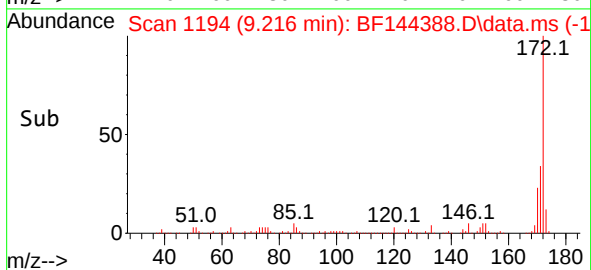
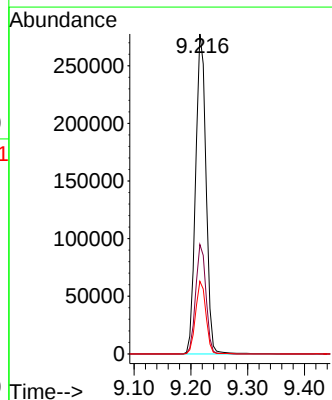
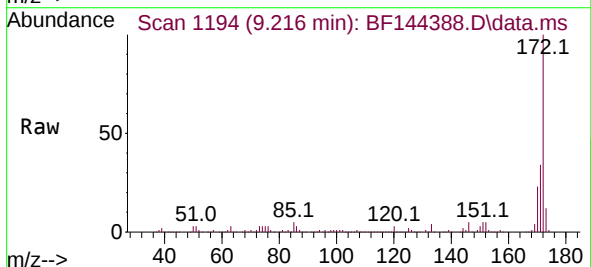


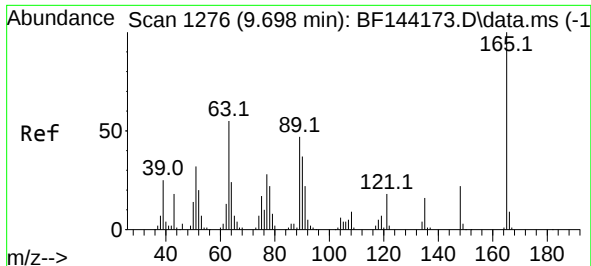
Tgt Ion:330 Resp: 81698
Ion Ratio Lower Upper
330 100
332 95.7 76.7 115.1
141 21.6 17.8 26.8



#45
2-Fluorobiphenyl
Concen: 59.616 ng
RT: 9.216 min Scan# 1194
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

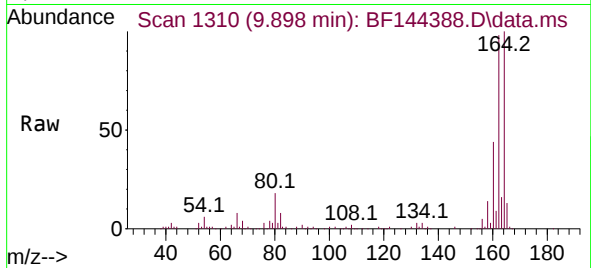
Tgt Ion:172 Resp: 351776
Ion Ratio Lower Upper
172 100
171 34.2 28.1 42.1
170 22.7 18.6 28.0



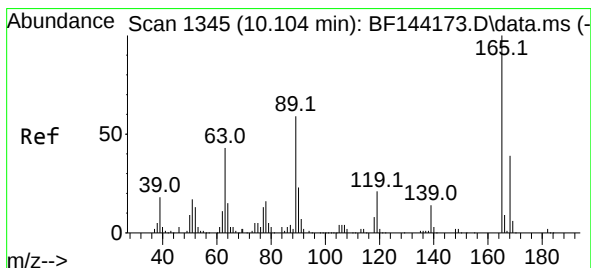
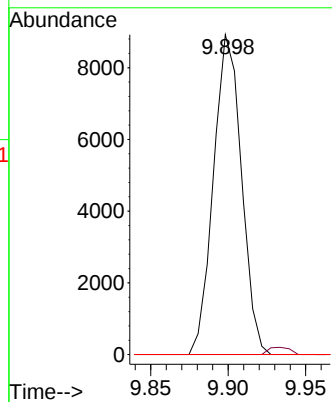
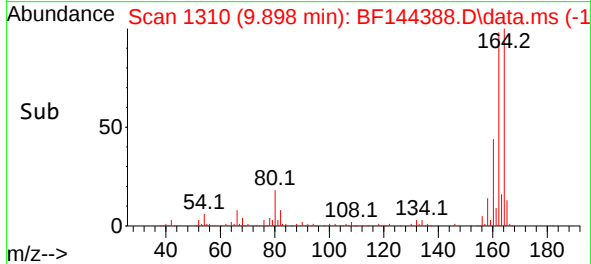


#51
2,6-Dinitrotoluene
Concen: 9.615 ng
RT: 9.898 min Scan# 1310
Delta R.T. 0.206 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

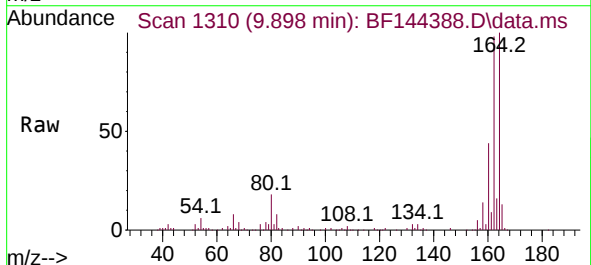
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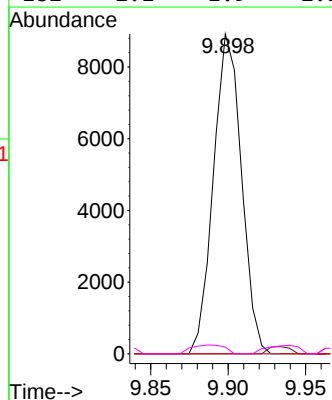
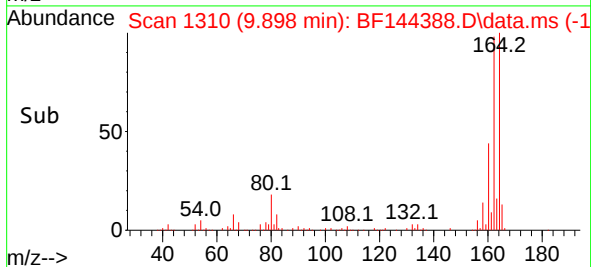
Tgt Ion:165 Resp: 11237
Ion Ratio Lower Upper
165 100
63 0.0 43.8 65.8#
89 0.0 37.5 56.3#

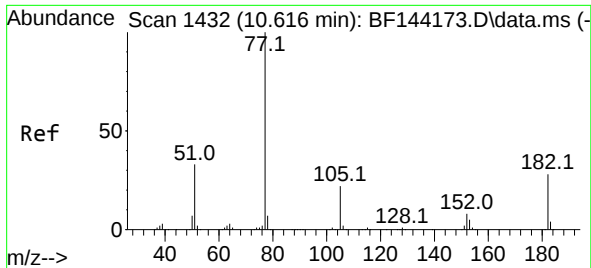


#57
2,4-Dinitrotoluene
Concen: 7.182 ng
RT: 9.898 min Scan# 1310
Delta R.T. -0.200 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45



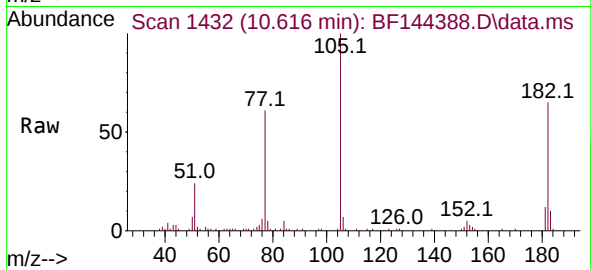
Tgt Ion:165 Resp: 11237
Ion Ratio Lower Upper
165 100
63 0.0 35.5 53.3#
89 0.0 47.4 71.2#
182 2.1 1.9 2.9



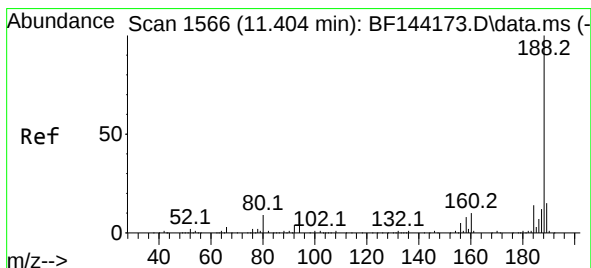
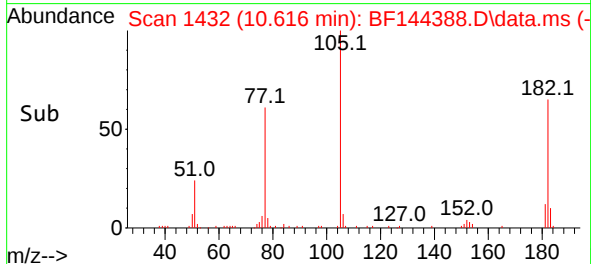
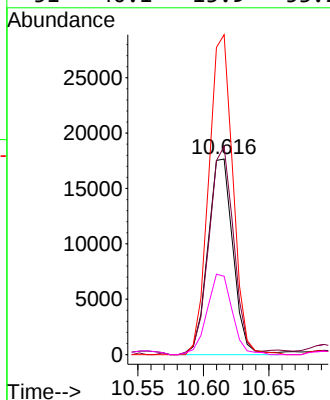


#63
Azobenzene
Concen: 4.744 ng
RT: 10.616 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Instrument :
BNA_F
ClientSampleId :

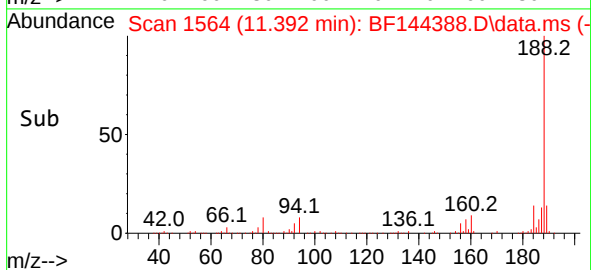
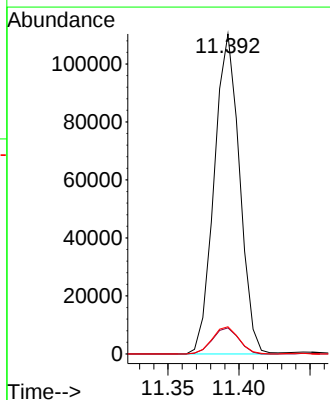
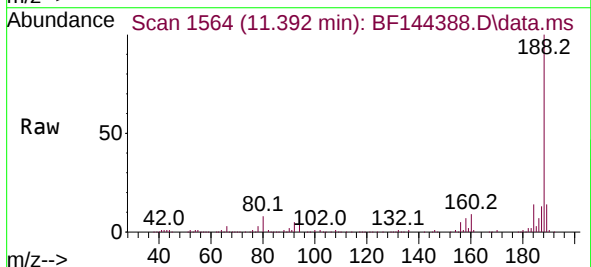


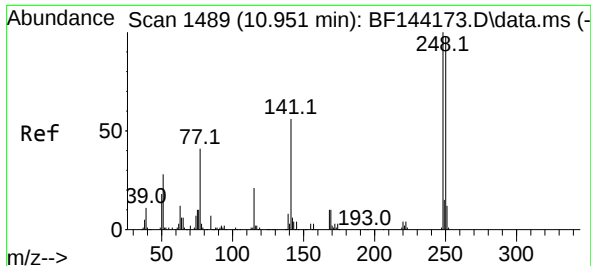
Tgt Ion: 77 Resp: 23500
Ion Ratio Lower Upper
77 100
182 106.5 8.1 48.1#
105 163.7 2.0 42.0#
51 40.1 13.9 53.9



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Tgt Ion: 188 Resp: 137127
Ion Ratio Lower Upper
188 100
94 8.1 6.2 9.2
80 8.5 6.9 10.3

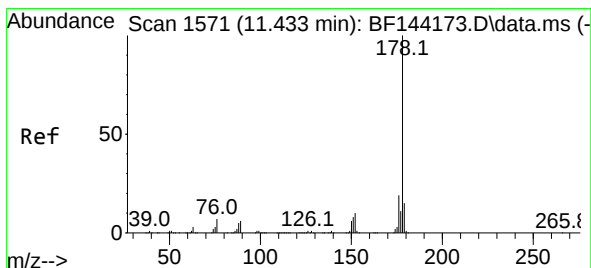
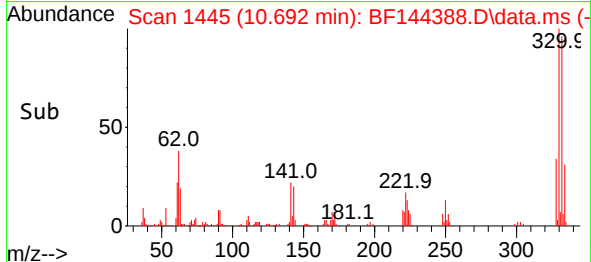
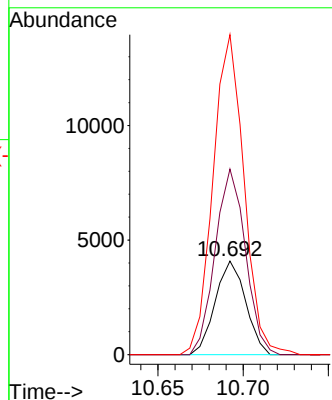
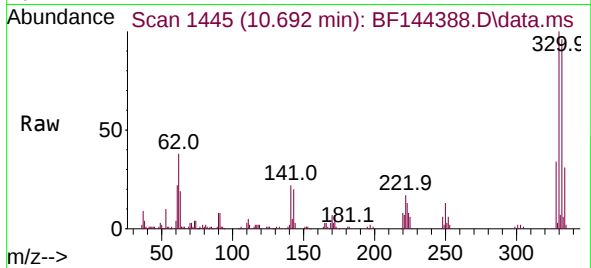




#67
4-Bromophenyl-phenylether
Concen: 2.896 ng
RT: 10.692 min Scan# 1489
Delta R.T. -0.253 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

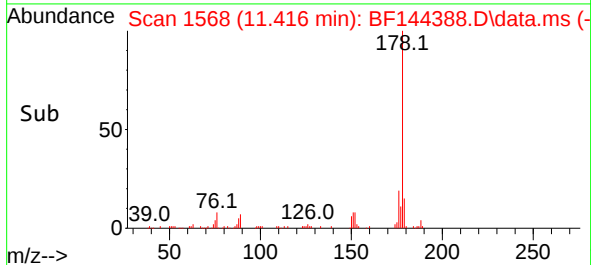
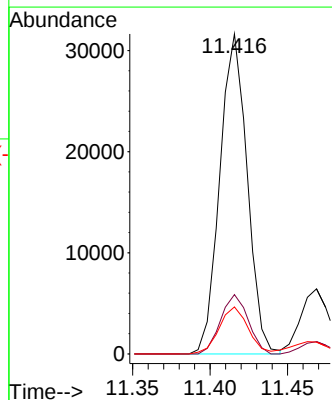
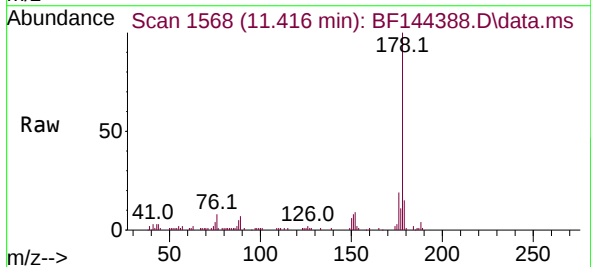
Instrument :
BNA_F
ClientSampleId :

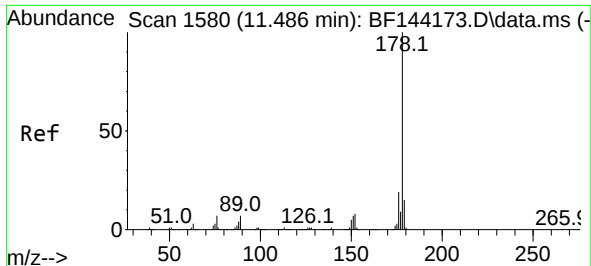
Tgt Ion:248 Resp: 5068
Ion Ratio Lower Upper
248 100
250 198.3 78.4 117.6#
141 342.2 45.1 67.7#



#71
Phenanthrene
Concen: 5.697 ng
RT: 11.416 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Tgt Ion:178 Resp: 38898
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 14.7 12.2 18.4

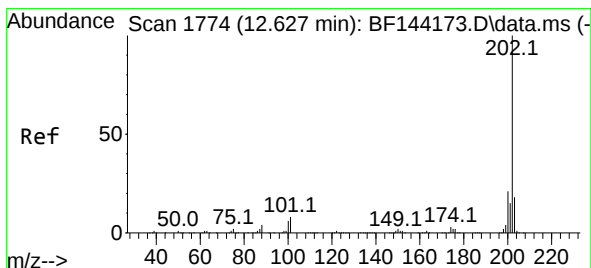
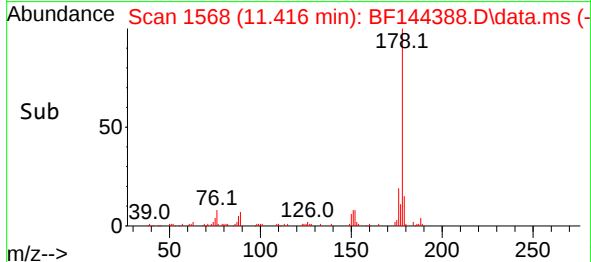
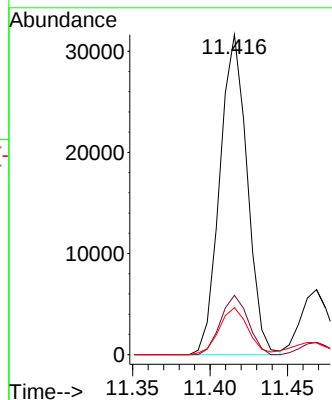
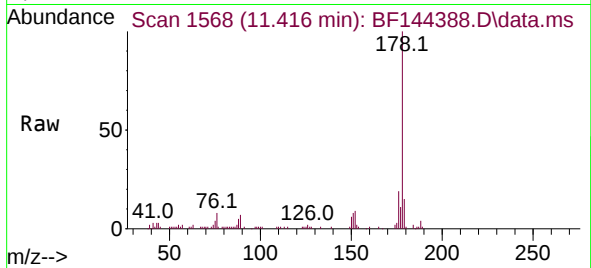




#72
 Anthracene
 Concen: 5.603 ng
 RT: 11.416 min Scan# 11
 Delta R.T. -0.065 min
 Lab File: BF144388.D
 Acq: 01 Dec 2025 15:45

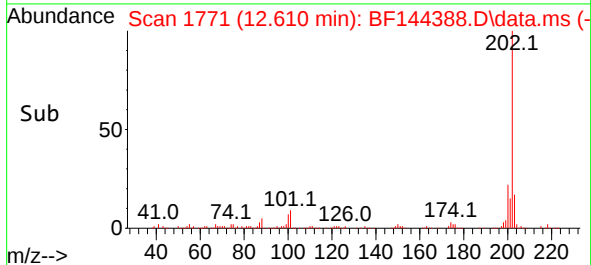
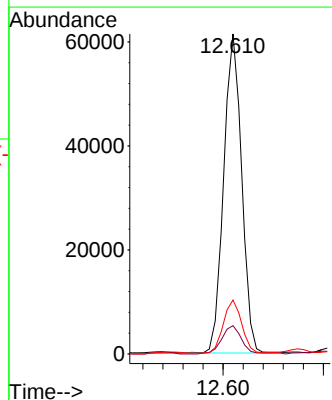
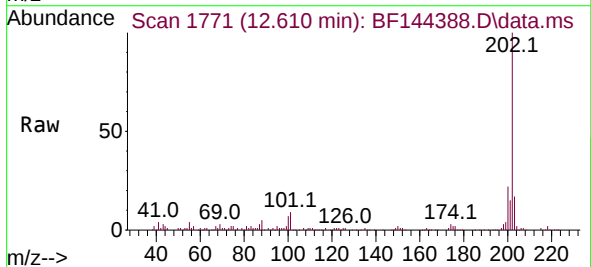
Instrument :
 BNA_F
 ClientSampleId :

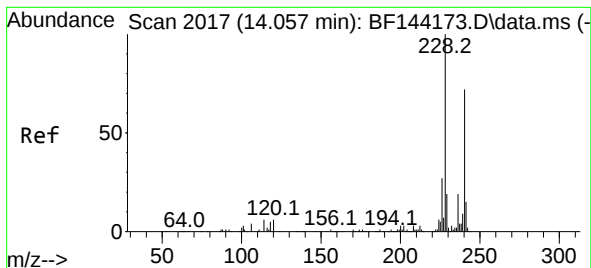
Tgt Ion:178 Resp: 38898
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.3 22.9
 179 14.7 12.0 18.0



#75
 Fluoranthene
 Concen: 10.879 ng
 RT: 12.610 min Scan# 1771
 Delta R.T. -0.012 min
 Lab File: BF144388.D
 Acq: 01 Dec 2025 15:45

Tgt Ion:202 Resp: 76723
 Ion Ratio Lower Upper
 202 100
 101 8.9 0.0 27.9
 203 16.8 0.0 37.5





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.045 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

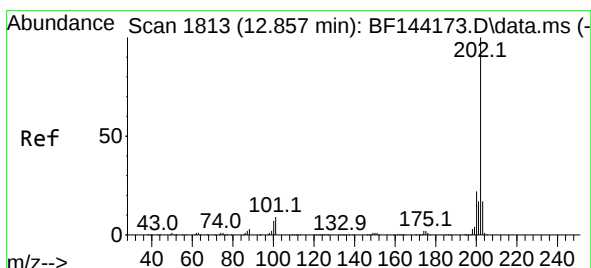
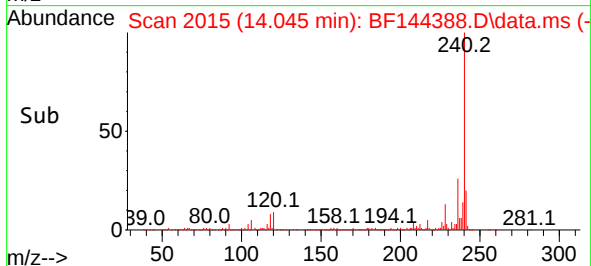
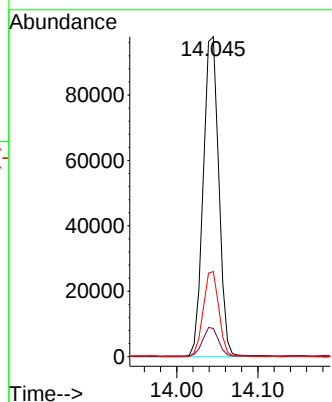
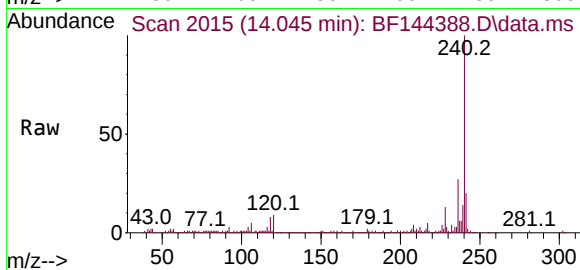
Tgt Ion:240 Resp: 130274

Ion Ratio Lower Upper

240 100

120 8.8 6.6 10.0

236 26.6 21.4 32.2



#78

Pyrene

Concen: 6.835 ng

RT: 12.839 min Scan# 1810

Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

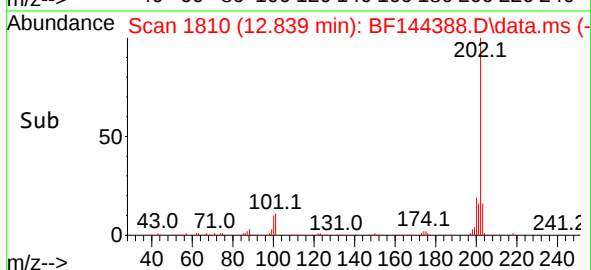
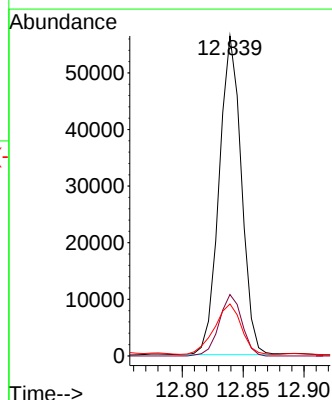
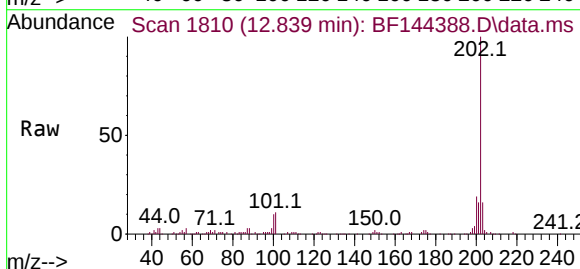
Tgt Ion:202 Resp: 71799

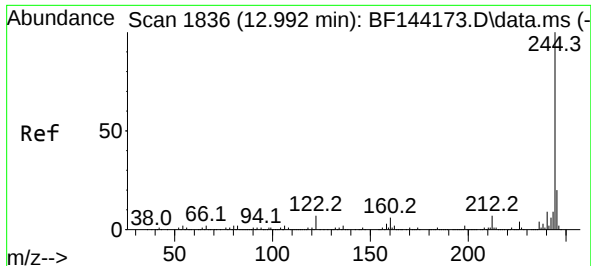
Ion Ratio Lower Upper

202 100

200 19.2 17.2 25.8

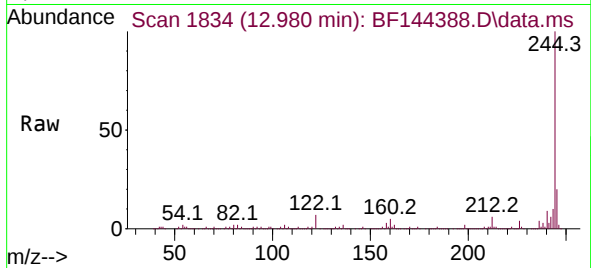
203 16.2 13.7 20.5



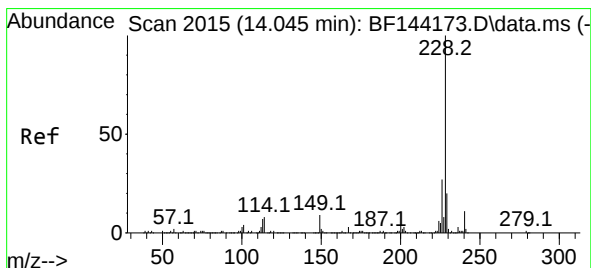
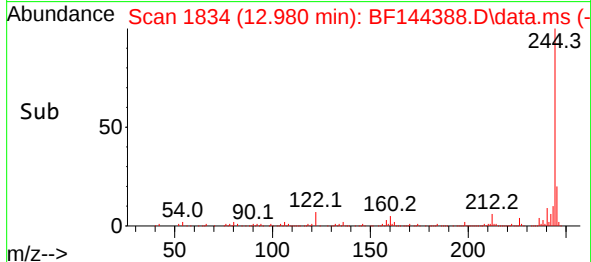
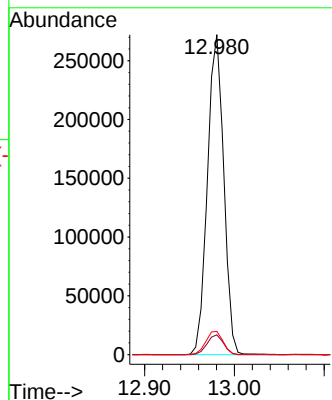


#79
 Terphenyl-d14
 Concen: 41.801 ng
 RT: 12.980 min Scan# 1836
 Delta R.T. -0.012 min
 Lab File: BF144388.D
 Acq: 01 Dec 2025 15:45

Instrument :
 BNA_F
 ClientSampleId :

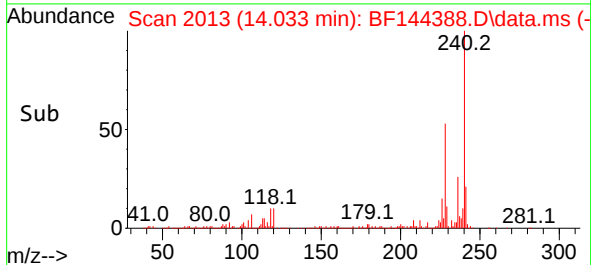
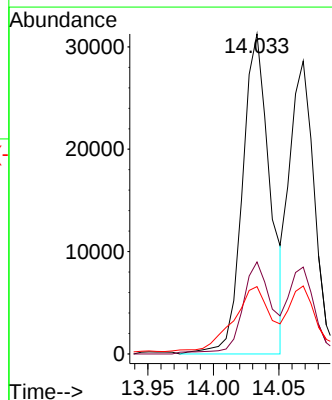
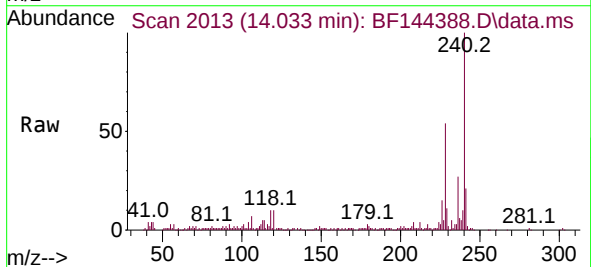


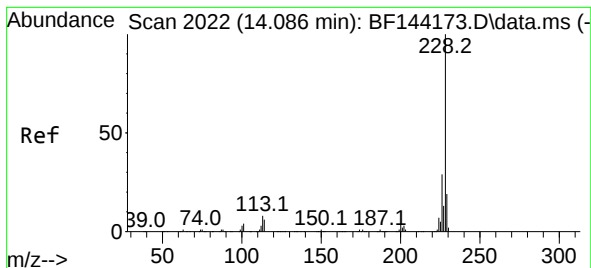
Tgt Ion:244 Resp: 342831
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.3 7.9
 122 7.3 5.6 8.4



#81
 Benzo(a)anthracene
 Concen: 5.059 ng
 RT: 14.033 min Scan# 2013
 Delta R.T. -0.012 min
 Lab File: BF144388.D
 Acq: 01 Dec 2025 15:45

Tgt Ion:228 Resp: 45679
 Ion Ratio Lower Upper
 228 100
 226 28.7 21.8 32.8
 229 21.0 15.8 23.6





#83

Chrysene

Concen: 5.480 ng

RT: 14.033 min Scan# 20

Delta R.T. -0.047 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

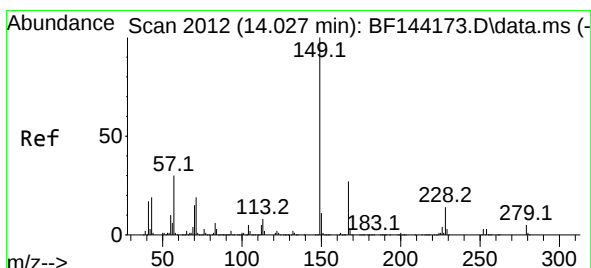
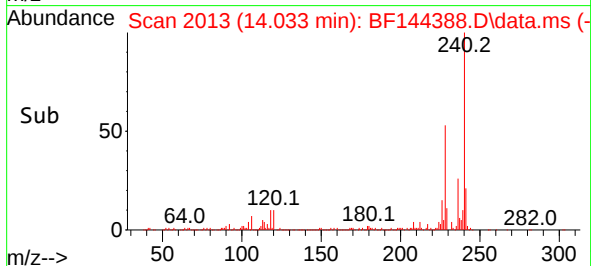
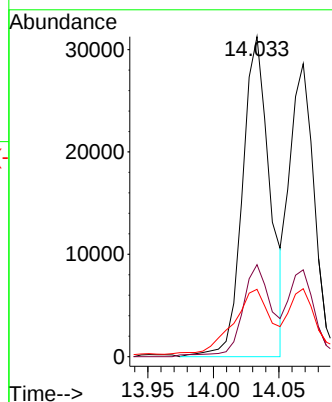
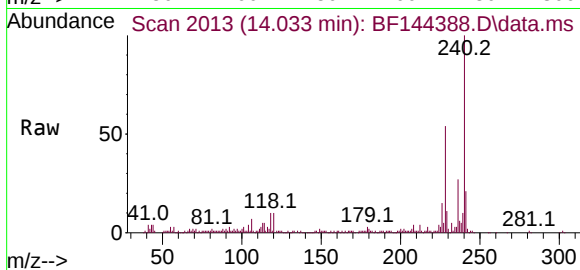
Tgt Ion:228 Resp: 45679

Ion Ratio Lower Upper

228 100

226 28.7 22.9 34.3

229 21.0 15.0 22.6



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.953 ng

RT: 14.010 min Scan# 2009

Delta R.T. -0.018 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

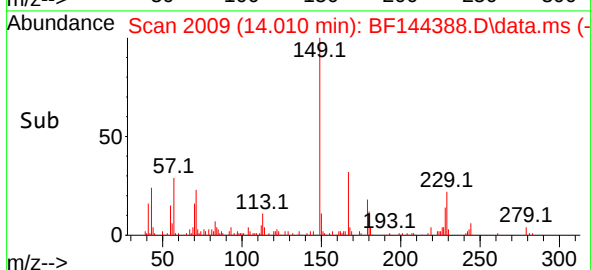
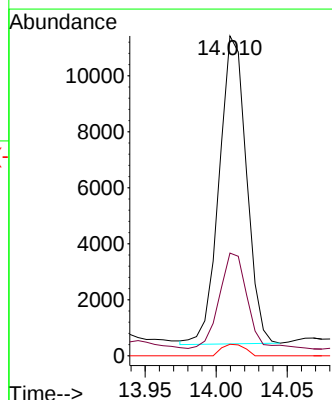
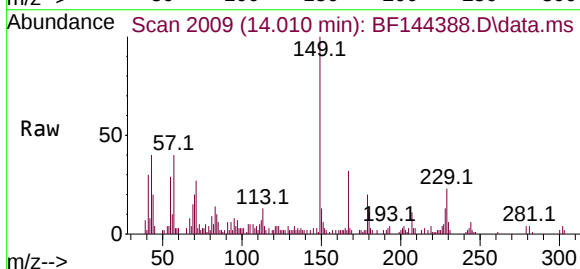
Tgt Ion:149 Resp: 14718

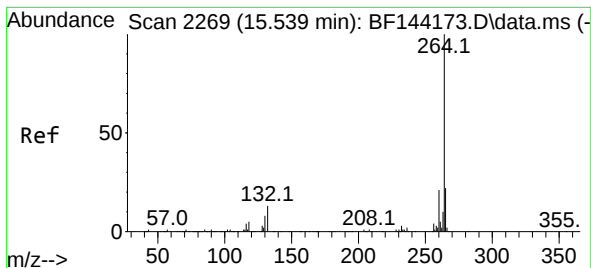
Ion Ratio Lower Upper

149 100

167 32.1 21.8 32.8

279 3.6 3.7 5.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

Instrument :

BNA_F

ClientSampleId :

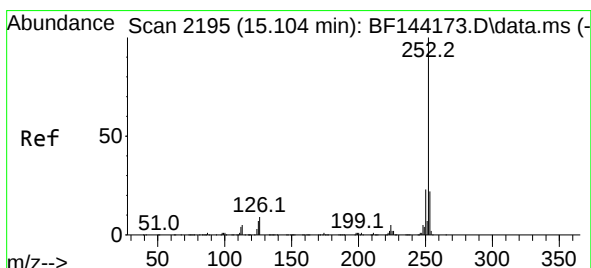
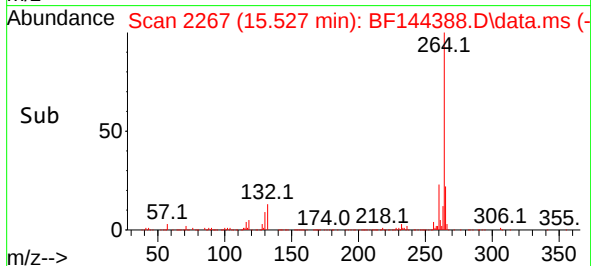
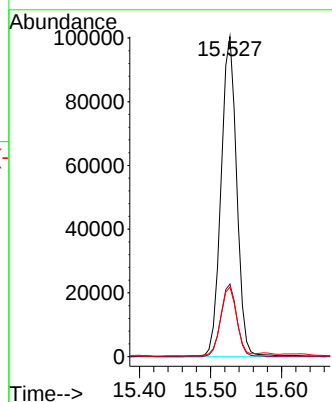
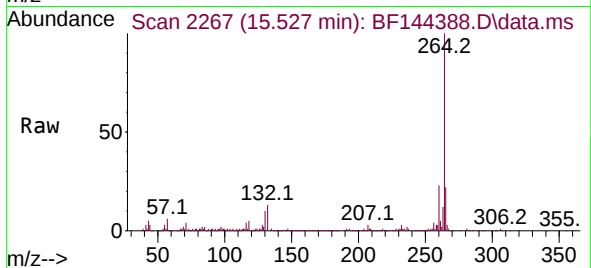
Tgt Ion:264 Resp: 154506

Ion Ratio Lower Upper

264 100

260 22.7 17.1 25.7

265 21.7 17.4 26.0



#88

Benzo(b)fluoranthene

Concen: 8.273 ng

RT: 15.092 min Scan# 2193

Delta R.T. -0.006 min

Lab File: BF144388.D

Acq: 01 Dec 2025 15:45

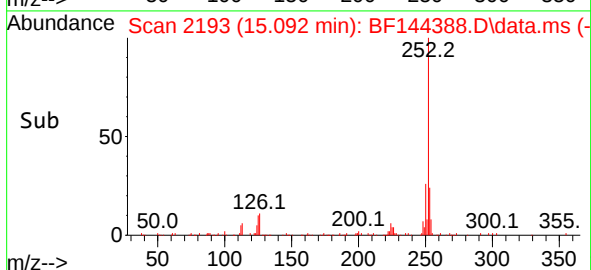
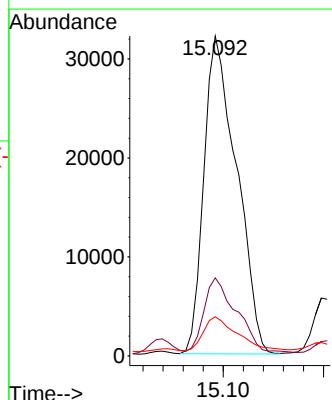
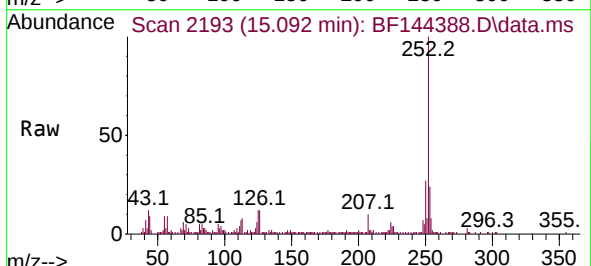
Tgt Ion:252 Resp: 72673

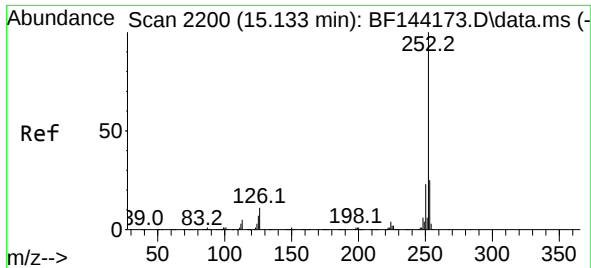
Ion Ratio Lower Upper

252 100

253 24.4 17.4 26.2

125 12.2 5.3 7.9#

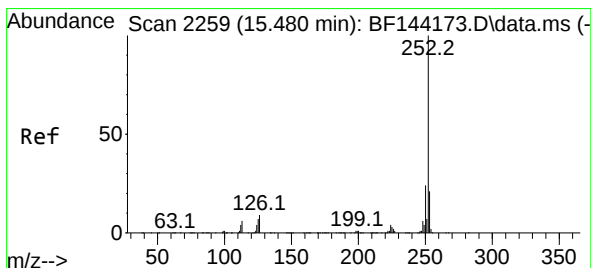
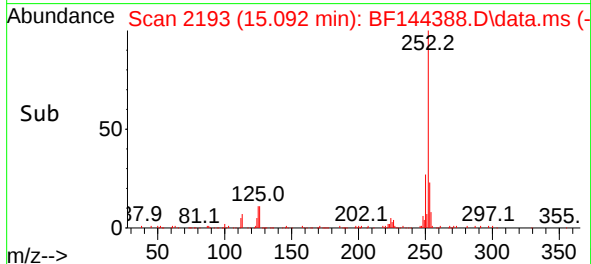
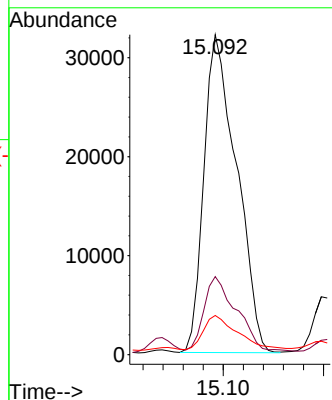
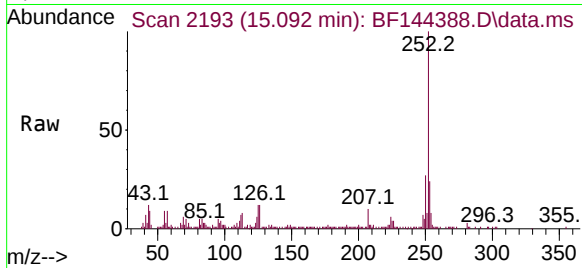




#89
Benzo(k)fluoranthene
Concen: 8.839 ng
RT: 15.092 min Scan# 21
Delta R.T. -0.035 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Instrument :
BNA_F
ClientSampleId :

Tgt Ion:252 Resp: 72673
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 12.2 5.4 8.2#



#90
Benzo(a)pyrene
Concen: 4.951 ng
RT: 15.463 min Scan# 2256
Delta R.T. -0.012 min
Lab File: BF144388.D
Acq: 01 Dec 2025 15:45

Tgt Ion:252 Resp: 40123
Ion Ratio Lower Upper
252 100
253 23.1 16.7 25.1
125 11.5 5.7 8.5#

