

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111125\
 Data File : BF144226.D
 Acq On : 12 Nov 2025 02:52
 Operator : RC/JU
 Sample : Q3582-04 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT4912

Quant Time: Nov 12 03:50:51 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	6.875	152	63469	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	220756	20.000	ng	0.00
39) Acenaphthene-d10	9.927	164	75935	20.000	ng	0.01
64) Phenanthrene-d10	11.451	188	103736	20.000	ng	# 0.05
76) Chrysene-d12	14.074	240	181757	20.000	ng	# 0.02
86) Perylene-d12	15.551	264	173943	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	59980	14.788	ng	0.00
7) Phenol-d6	6.504	99	76184	16.578	ng	0.00
23) Nitrobenzene-d5	7.433	82	41676	10.903	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	20708	21.732	ng	0.03
45) 2-Fluorobiphenyl	9.233	172	89348	17.378	ng	0.00
79) Terphenyl-d14	13.033	244	103745	9.066	ng	0.04
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.433	70	6771	2.238	ng	# 72
48) 2-Nitroaniline	9.469	65	3560	2.729	ng	# 74
49) Acenaphthylene	9.786	152	20356	3.304	ng	# 1
51) 2,6-Dinitrotoluene	9.686	165	20438	20.070	ng	# 36
53) 3-Nitroaniline	9.880	138	22484	20.198	ng	# 22
56) 4-Nitrophenol	10.033	139	1825	2.266	ng	# 1
57) 2,4-Dinitrotoluene	10.092	165	6943	5.093	ng	# 56
59) 2,3,4,6-Tetrachlorophenol	10.233	232	3482	2.696	ng	# 1
61) 4-Chlorophenyl-phenyle...	10.498	204	12844	5.139	ng	# 1
62) 4-Nitroaniline	10.398	138	56497	53.292	ng	76
63) Azobenzene	10.645	77	14193	3.289	ng	# 50
65) 4,6-Dinitro-2-methylph...	10.621	198	8018	11.378	ng	# 1
66) n-Nitrosodiphenylamine	10.610	169	92847	27.828	ng	# 51
67) 4-Bromophenyl-phenylether	10.927	248	2889	2.182	ng	# 1
69) Atrazine	11.121	200	5499	5.183	ng	# 1
70) Pentachlorophenol	11.280	266	3643	4.691	ng	# 1
71) Phenanthrene	11.474	178	57645	11.161	ng	# 1
72) Anthracene	11.569	178	18115	3.449	ng	# 1
73) Carbazole	11.674	167	13514	3.026	ng	# 1
74) Di-n-butylphthalate	12.010	149	70084	12.982	ng	# 45
75) Fluoranthene	12.680	202	95843	17.964	ng	# 64
77) Benzidine	12.739	184	11475	2.134	ng	# 1
81) Benzo(a)anthracene	14.068	228	75853	6.021	ng	# 83
83) Chrysene	14.104	228	97775	8.408	ng	# 89
84) Bis(2-ethylhexyl)phtha...	14.039	149	36770	5.288	ng	# 83
87) Indeno(1,2,3-cd)pyrene	17.045	276	30826	2.469	ng	99
88) Benzo(b)fluoranthene	15.115	252	126258	12.768	ng	# 93
89) Benzo(k)fluoranthene	15.115	252	126258	13.641	ng	# 94
90) Benzo(a)pyrene	15.486	252	57304	6.281	ng	# 91
92) Benzo(g,h,i)perylene	17.498	276	34146	3.448	ng	# 95

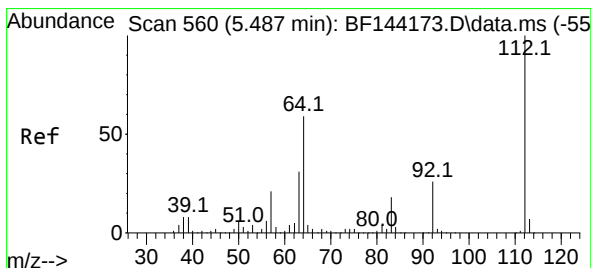
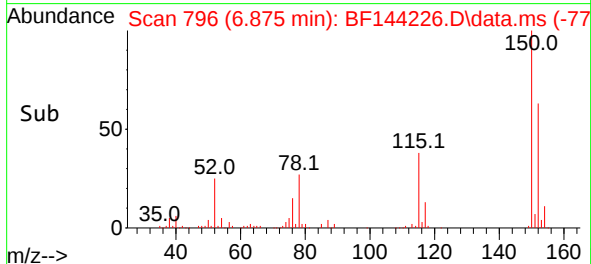
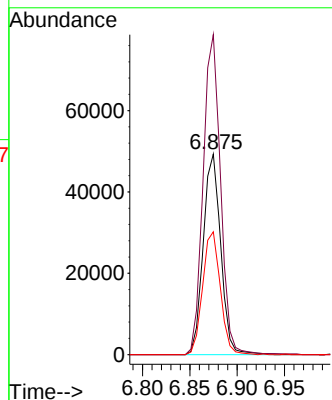
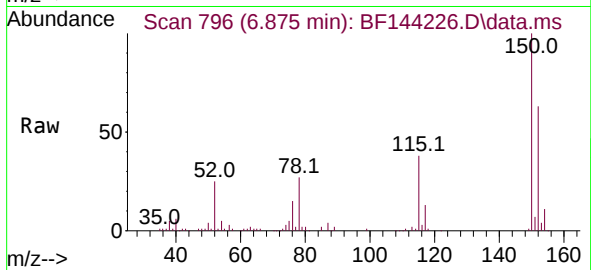
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: BF144226.D
 Acq: 12 Nov 2025 02:52

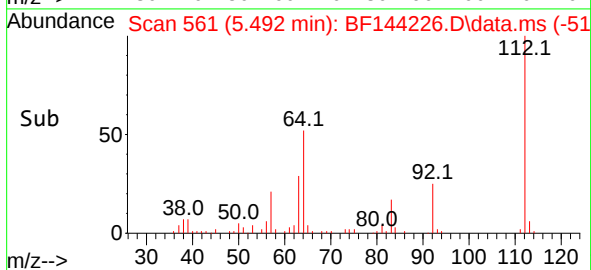
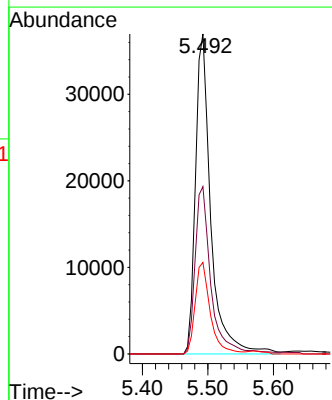
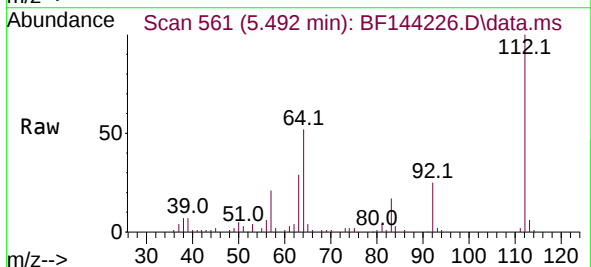
Instrument :
 BNA_F
 ClientSampleId :
 RT4912

Tgt Ion:152 Resp: 63469
 Ion Ratio Lower Upper
 152 100
 150 159.5 127.4 191.0
 115 61.2 49.5 74.3



#5
 2-Fluorophenol
 Concen: 14.788 ng
 RT: 5.492 min Scan# 561
 Delta R.T. -0.000 min
 Lab File: BF144226.D
 Acq: 12 Nov 2025 02:52

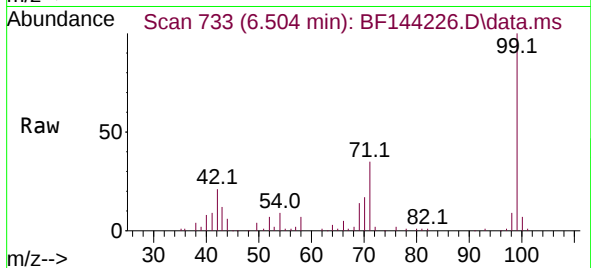
Tgt Ion:112 Resp: 59980
 Ion Ratio Lower Upper
 112 100
 64 52.3 47.2 70.8
 63 28.6 24.4 36.6



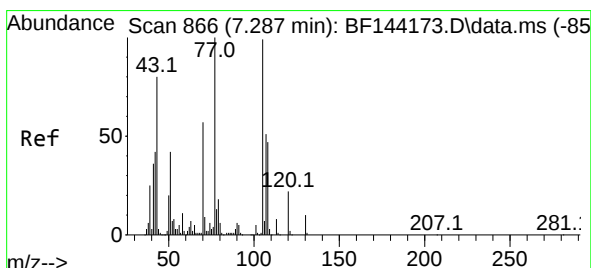
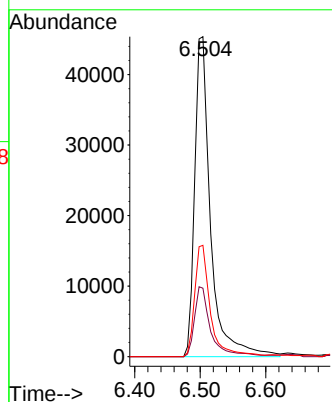
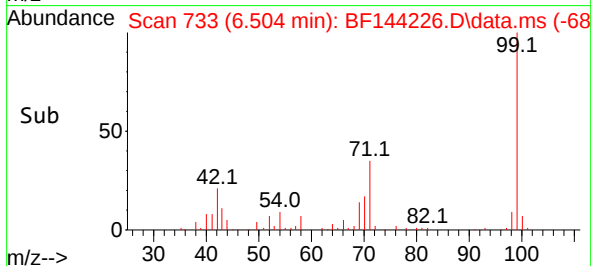


#7
Phenol-d6
Concen: 16.578 ng
RT: 6.504 min Scan# 733
Delta R.T. 0.006 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

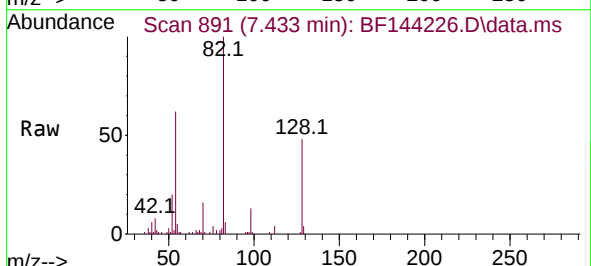
Instrument :
BNA_F
ClientSampleId :
RT4912



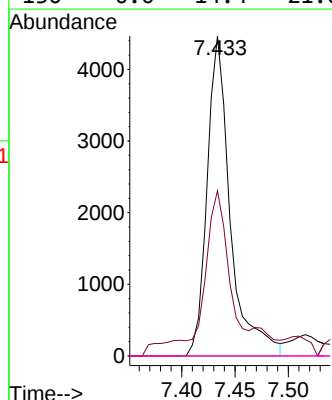
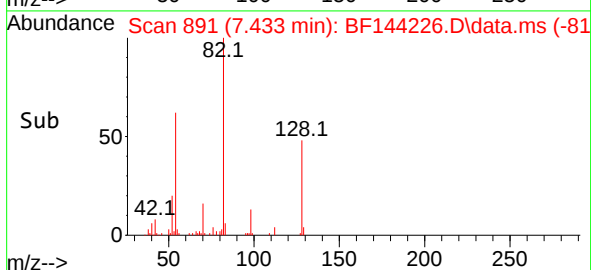
Tgt Ion: 99 Resp: 76184
Ion Ratio Lower Upper
99 100
42 21.4 20.9 31.3
71 34.8 31.4 47.2

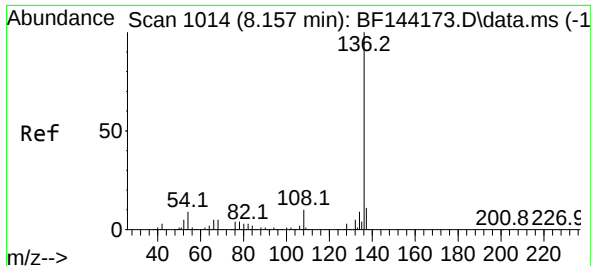


#19
n-Nitroso-di-n-propylamine
Concen: 2.238 ng
RT: 7.433 min Scan# 891
Delta R.T. 0.159 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52



Tgt Ion: 70 Resp: 6771
Ion Ratio Lower Upper
70 100
42 51.6 58.3 87.5#
101 0.0 7.0 10.6#
130 0.0 14.4 21.6#

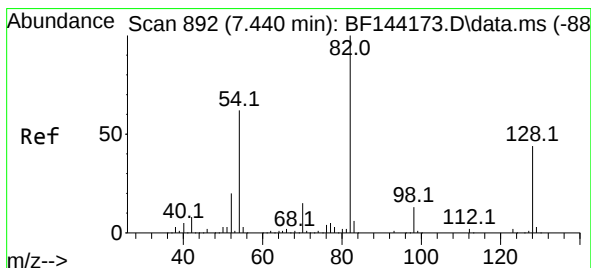
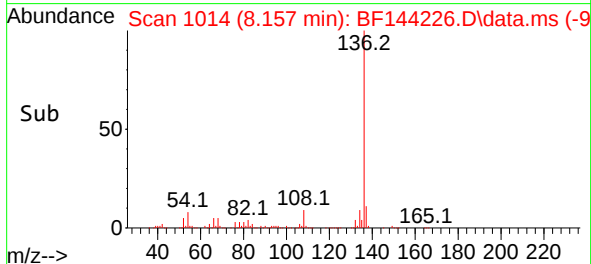
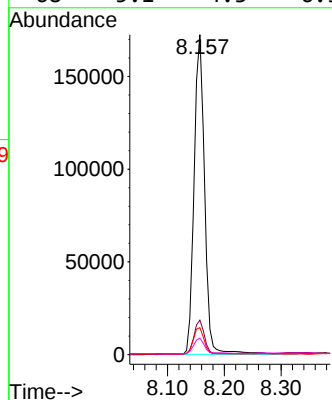
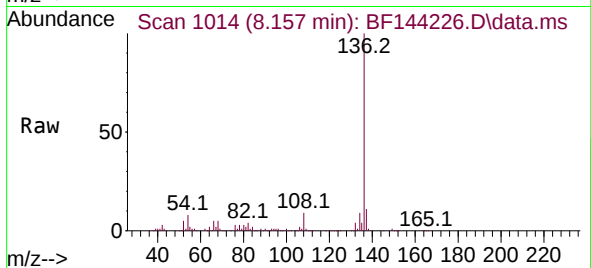




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

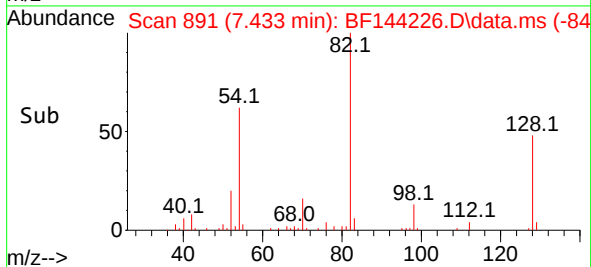
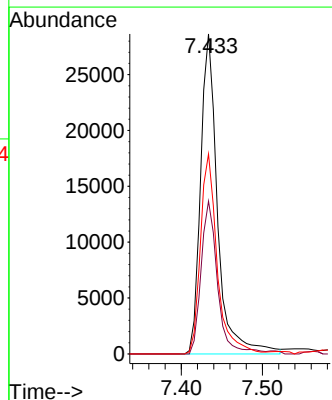
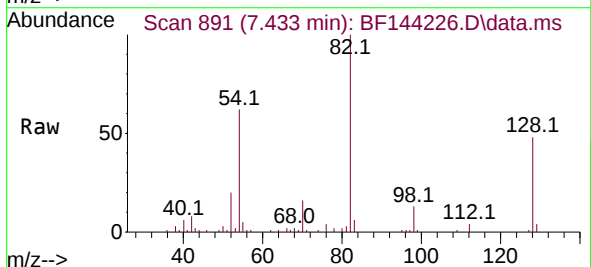
Instrument :
BNA_F
ClientSampleId :
RT4912

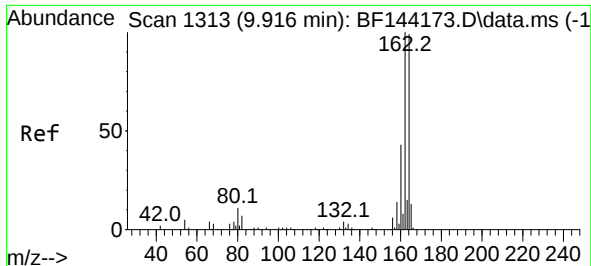
Tgt Ion:	136	Resp:	220756
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	13.0
54	8.4	7.0	10.6
68	5.1	4.3	6.5



#23
Nitrobenzene-d5
Concen: 10.903 ng
RT: 7.433 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Tgt Ion:	82	Resp:	41676
Ion	Ratio	Lower	Upper
82	100		
128	47.7	34.7	52.1
54	62.5	49.5	74.3

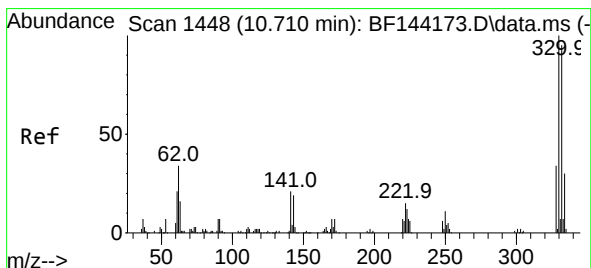
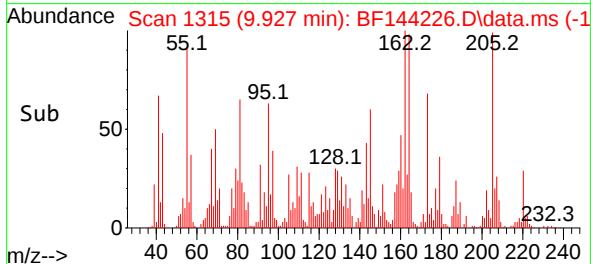
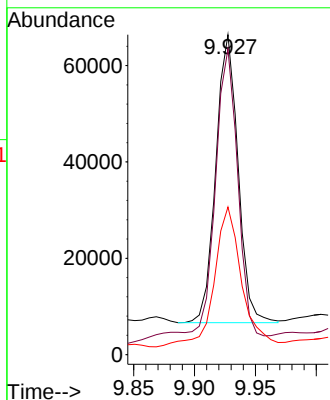
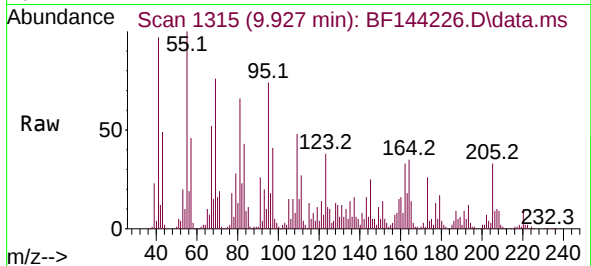




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.927 min Scan# 1315
Delta R.T. 0.011 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

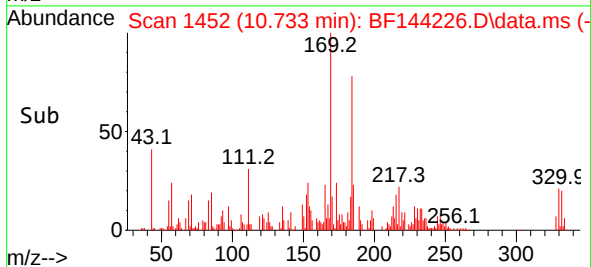
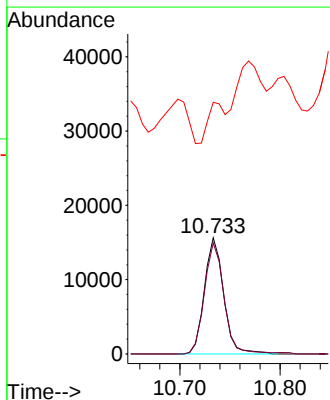
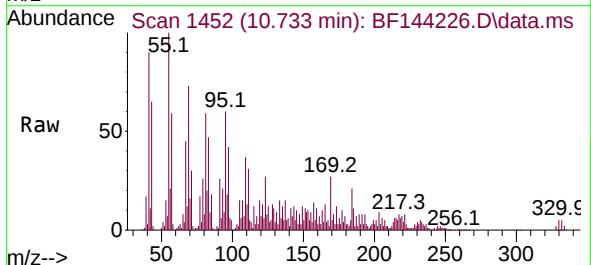
Instrument :
BNA_F
ClientSampleId :
RT4912

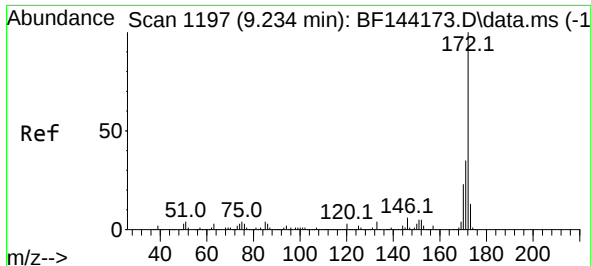
Tgt Ion:164 Resp: 75935
Ion Ratio Lower Upper
164 100
162 95.5 81.1 121.7
160 46.1 34.5 51.7



#42
2,4,6-Tribromophenol
Concen: 21.732 ng
RT: 10.733 min Scan# 1452
Delta R.T. 0.029 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Tgt Ion:330 Resp: 20708
Ion Ratio Lower Upper
330 100
332 98.3 76.7 115.1
141 30.4 17.8 26.8#

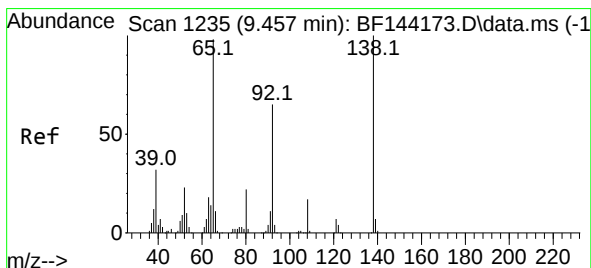
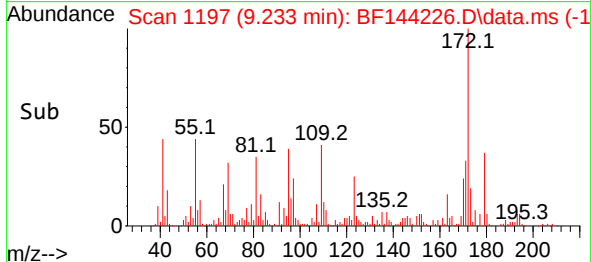
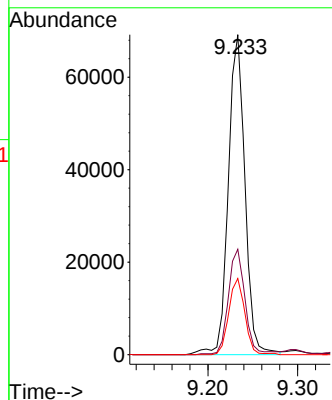
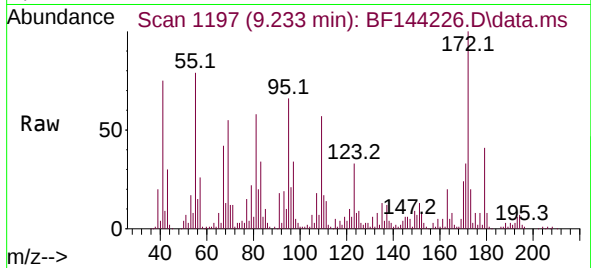




#45
2-Fluorobiphenyl
Concen: 17.378 ng
RT: 9.233 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

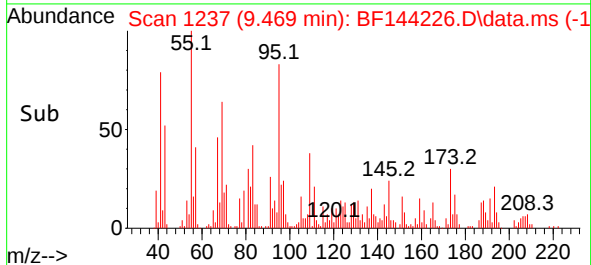
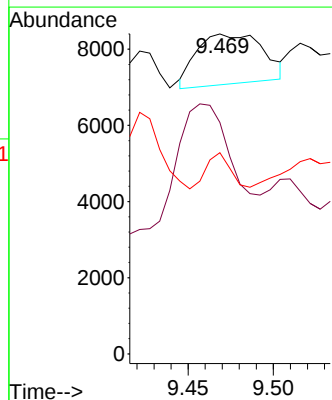
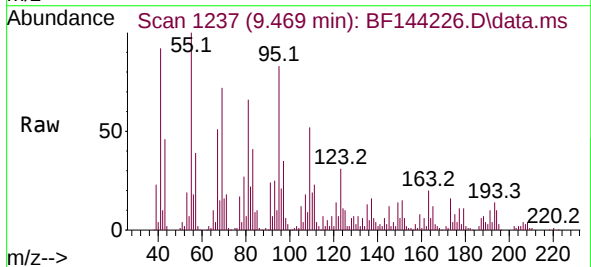
Instrument :
BNA_F
ClientSampleId :
RT4912

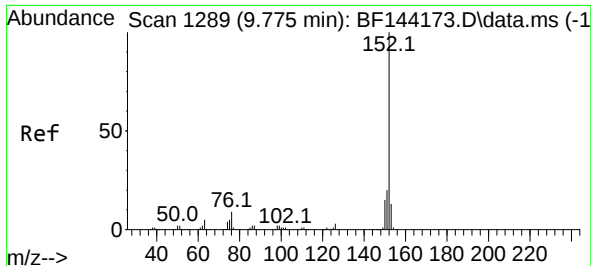
Tgt Ion:172 Resp: 89348
Ion Ratio Lower Upper
172 100
171 32.9 28.1 42.1
170 23.8 18.6 28.0



#48
2-Nitroaniline
Concen: 2.729 ng
RT: 9.469 min Scan# 1237
Delta R.T. 0.012 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Tgt Ion: 65 Resp: 3560
Ion Ratio Lower Upper
65 100
92 72.3 53.0 79.6
138 62.9 81.6 122.4#





#49

Acenaphthylene

Concen: 3.304 ng

RT: 9.786 min Scan# 11

Delta R.T. 0.012 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Instrument :

BNA_F

ClientSampleId :

RT4912

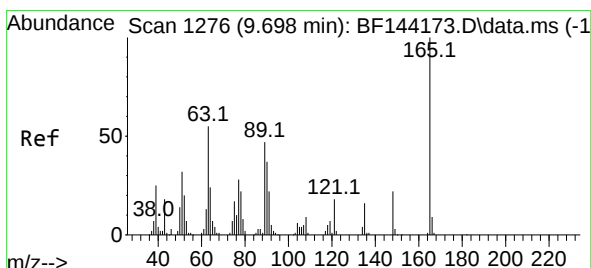
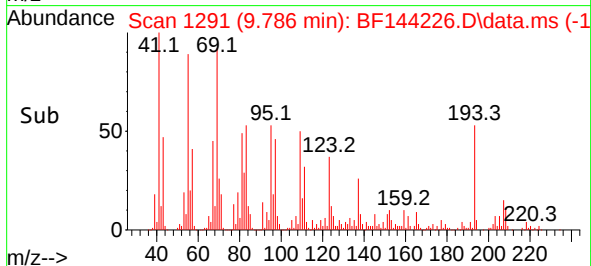
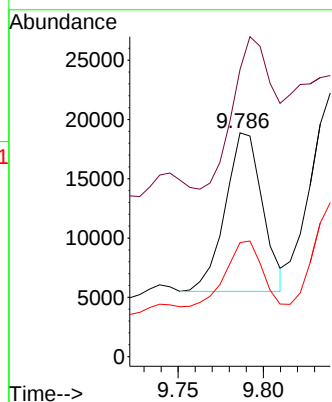
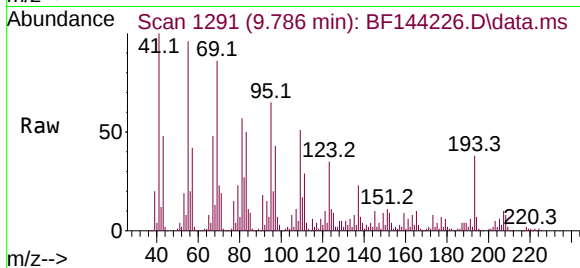
Tgt Ion:152 Resp: 20356

Ion Ratio Lower Upper

152 100

151 128.3 15.9 23.9#

153 51.0 10.5 15.7#



#51

2,6-Dinitrotoluene

Concen: 20.070 ng

RT: 9.686 min Scan# 1274

Delta R.T. -0.006 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

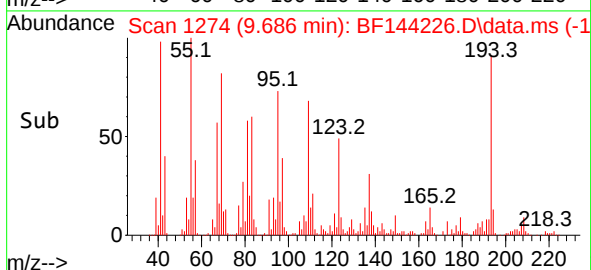
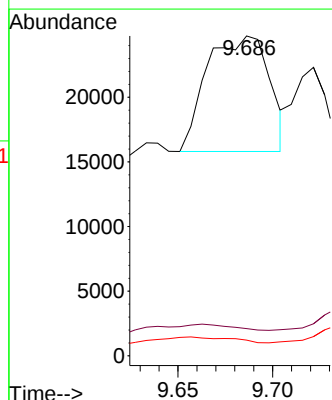
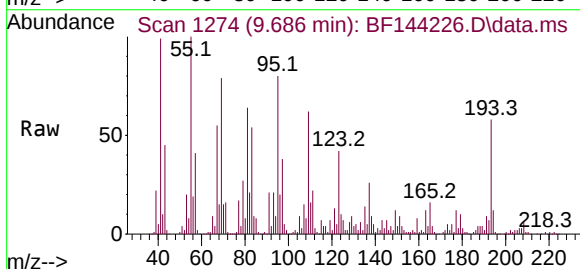
Tgt Ion:165 Resp: 20438

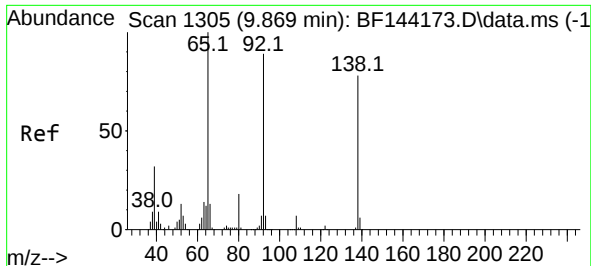
Ion Ratio Lower Upper

165 100

63 8.5 43.8 65.8#

89 4.9 37.5 56.3#

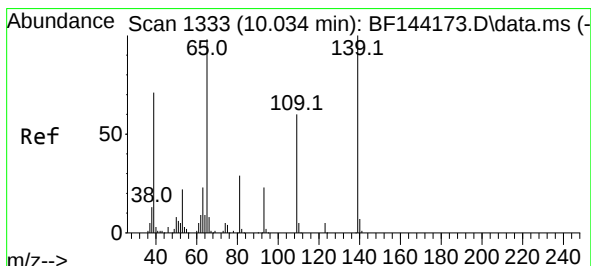
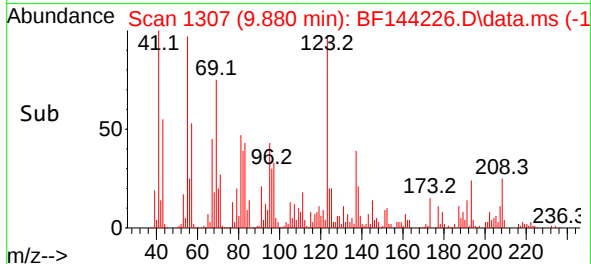
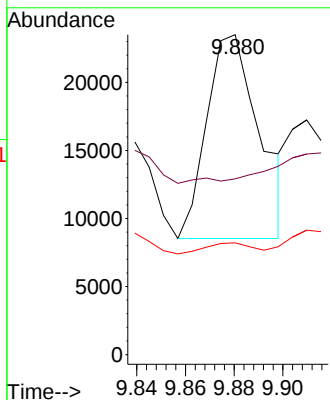
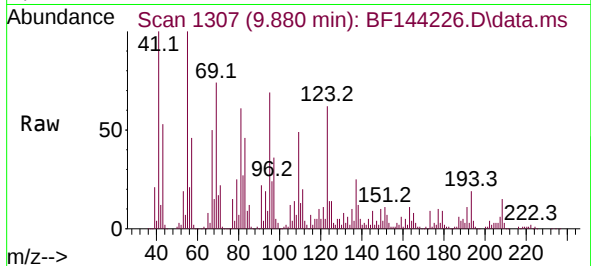




#53
3-Nitroaniline
Concen: 20.198 ng
RT: 9.880 min Scan# 1305
Delta R.T. 0.012 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

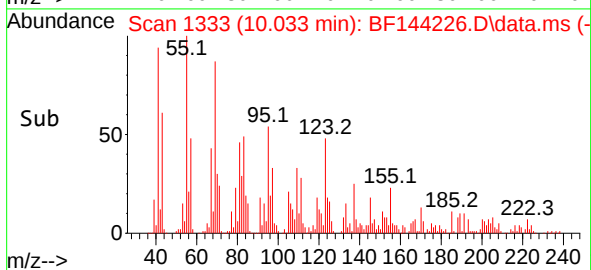
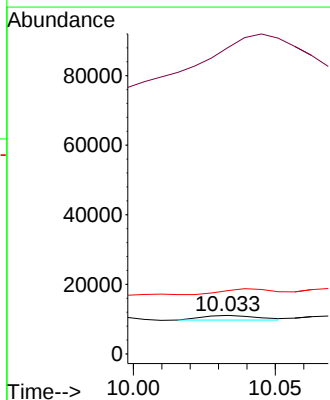
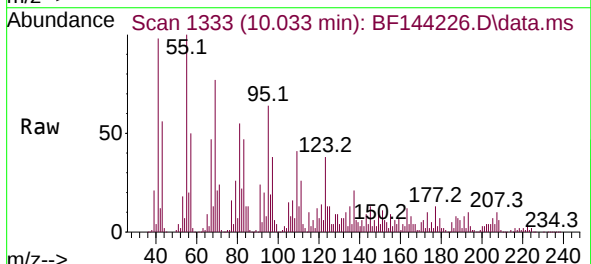
Instrument :
BNA_F
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RT4912

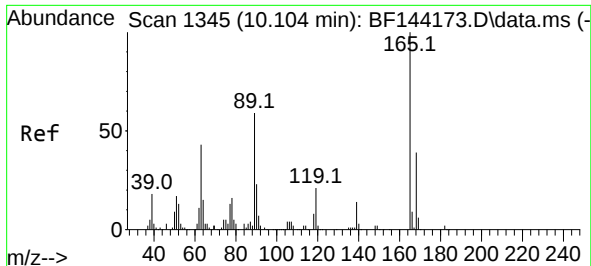
Tgt Ion:138 Resp: 22484
Ion Ratio Lower Upper
138 100
108 54.9 7.5 11.3#
92 34.9 91.8 137.6#



#56
4-Nitrophenol
Concen: 2.266 ng
RT: 10.033 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

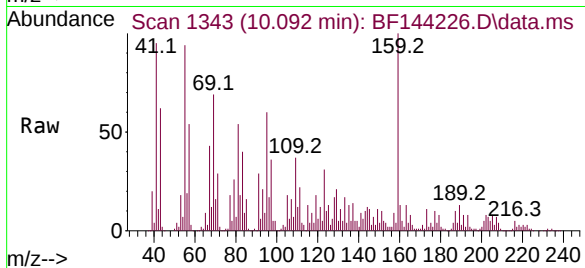
Tgt Ion:139 Resp: 1825
Ion Ratio Lower Upper
139 100
109 794.7 39.9 79.9#
65 164.3 79.5 119.5#



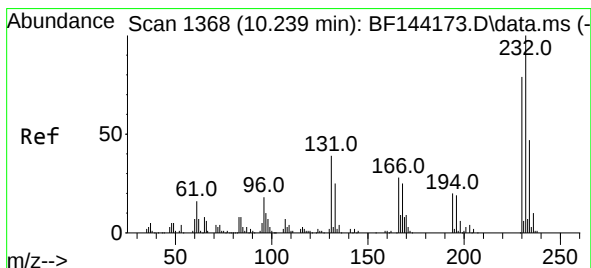
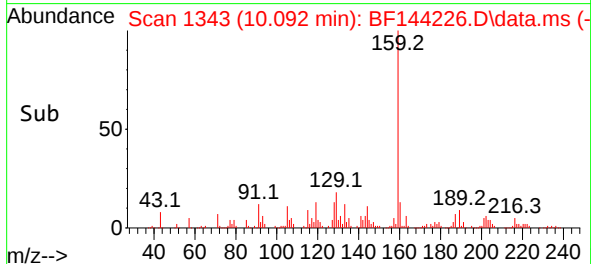
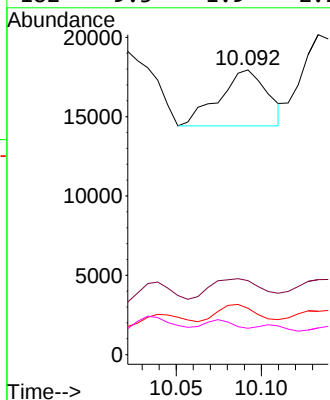


#57
2,4-Dinitrotoluene
Concen: 5.093 ng
RT: 10.092 min Scan# 1343
Delta R.T. -0.006 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Instrument :
BNA_F
ClientSampleId :
RT4912

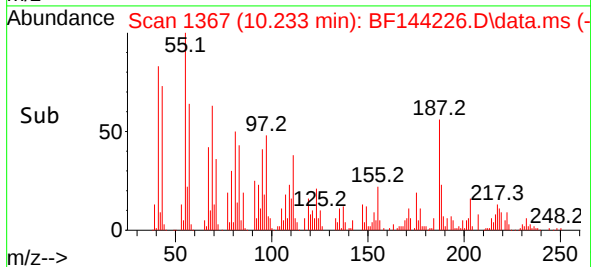
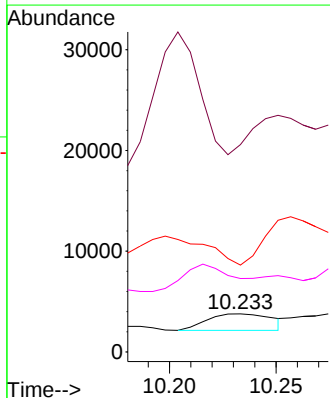
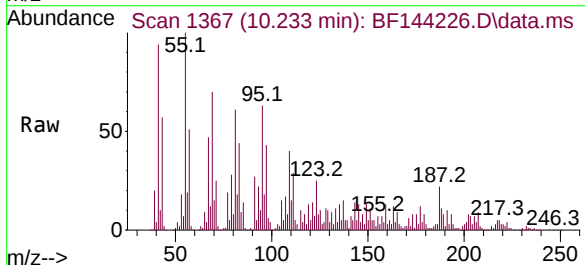


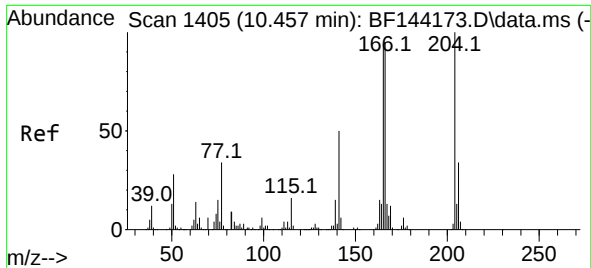
Tgt Ion:165 Resp: 6943
Ion Ratio Lower Upper
165 100
63 26.0 35.5 53.3#
89 16.2 47.4 71.2#
182 9.3 1.9 2.9#



#59
2,3,4,6-Tetrachlorophenol
Concen: 2.696 ng
RT: 10.233 min Scan# 1367
Delta R.T. -0.006 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Tgt Ion:232 Resp: 3482
Ion Ratio Lower Upper
232 100
131 0.0 30.3 45.5#
130 0.0 1.2 1.8#
166 116.6 21.5 32.3#

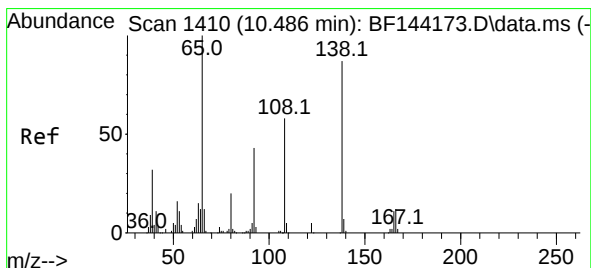
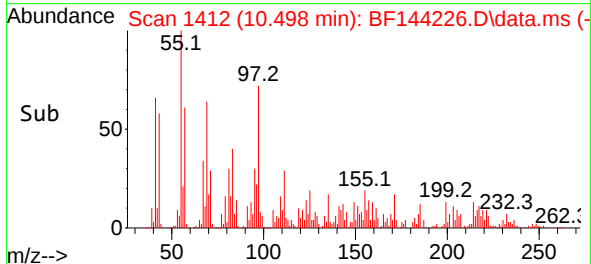
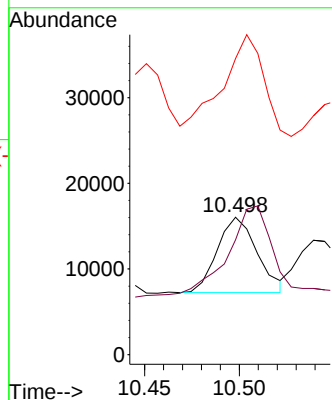
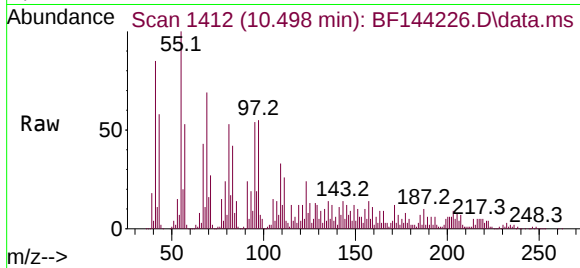




#61
4-Chlorophenyl-phenylether
Concen: 5.139 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.041 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

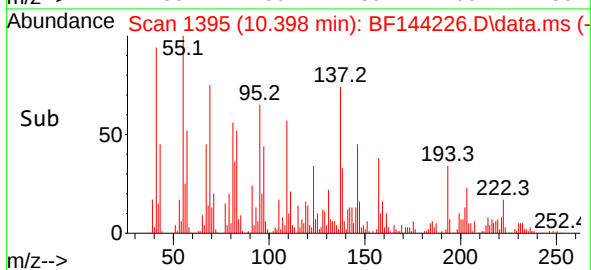
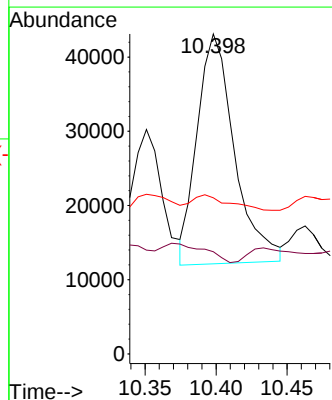
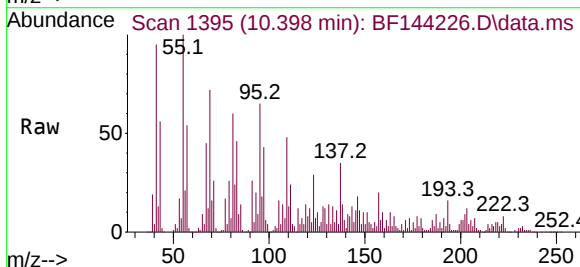
Instrument :
BNA_F
ClientSampleId :
RT4912

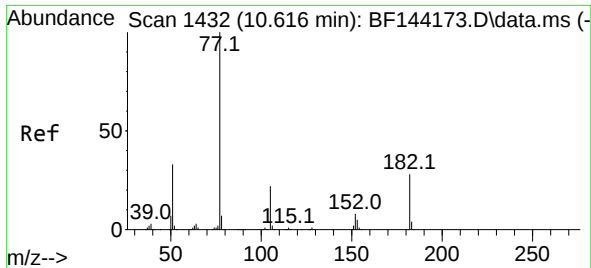
Tgt Ion:204 Resp: 12844
Ion Ratio Lower Upper
204 100
206 83.6 27.4 41.2#
141 215.6 40.0 60.0#



#62
4-Nitroaniline
Concen: 53.292 ng
RT: 10.398 min Scan# 1395
Delta R.T. -0.077 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Tgt Ion:138 Resp: 56497
Ion Ratio Lower Upper
138 100
92 31.9 29.4 69.4
108 48.8 46.4 86.4

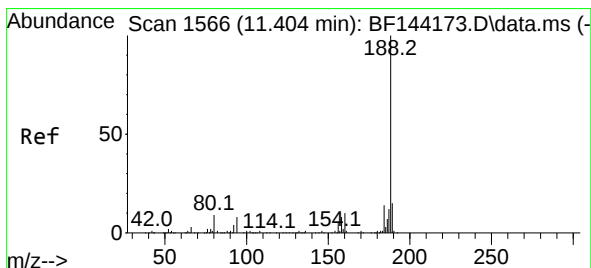
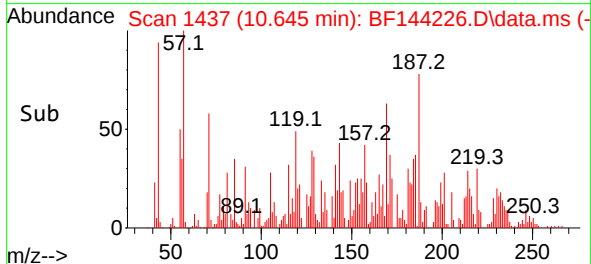
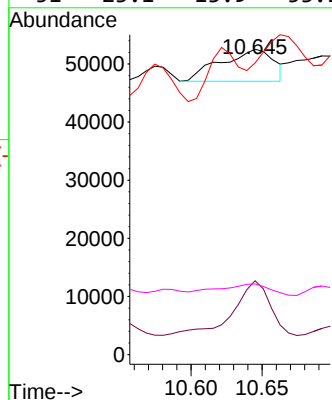
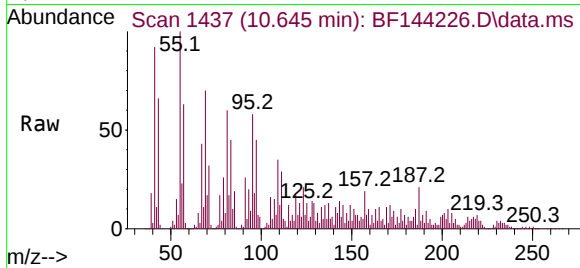




#63
 Azobenzene
 Concen: 3.289 ng
 RT: 10.645 min Scan# 14
 Delta R.T. 0.029 min
 Lab File: BF144226.D
 Acq: 12 Nov 2025 02:52

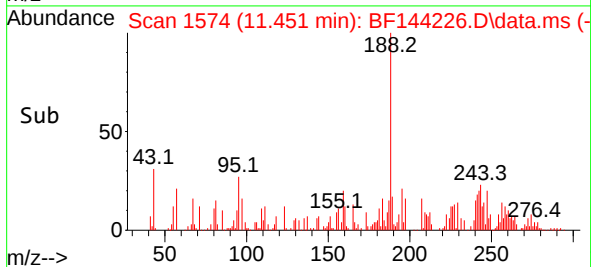
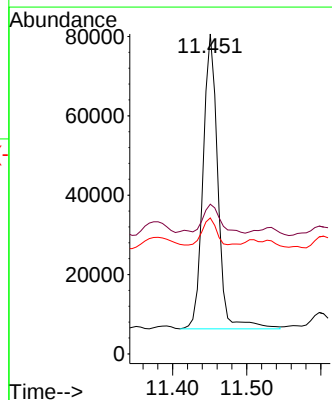
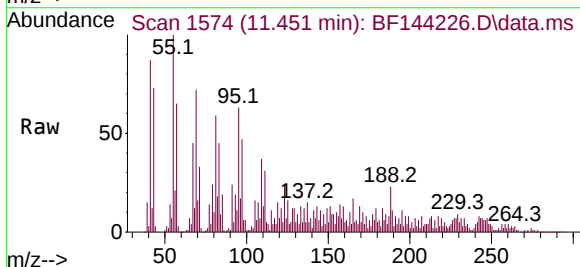
Instrument :
 BNA_F
 ClientSampleId :
 RT4912

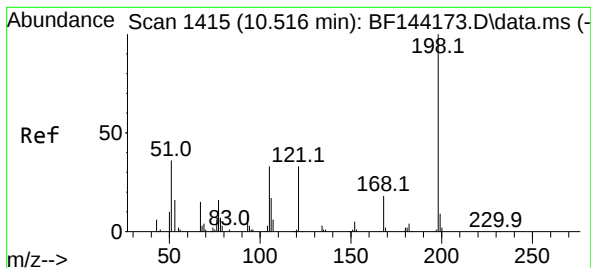
Tgt Ion: 77	Resp: 14193
Ion Ratio	Lower Upper
77 100	
182 24.2	8.1 48.1
105 95.5	2.0 42.0
51 23.1	13.9 53.9



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.451 min Scan# 1574
 Delta R.T. 0.047 min
 Lab File: BF144226.D
 Acq: 12 Nov 2025 02:52

Tgt Ion: 188	Resp: 103736
Ion Ratio	Lower Upper
188 100	
94 46.8	6.2 9.2
80 42.5	6.9 10.3

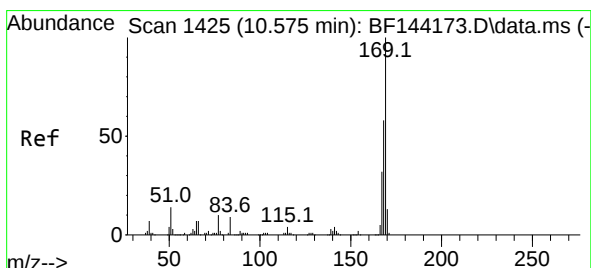
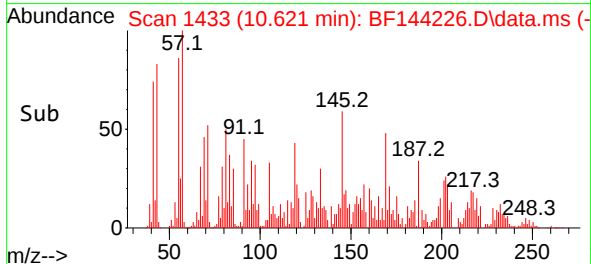
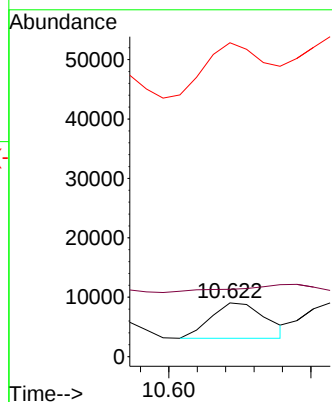
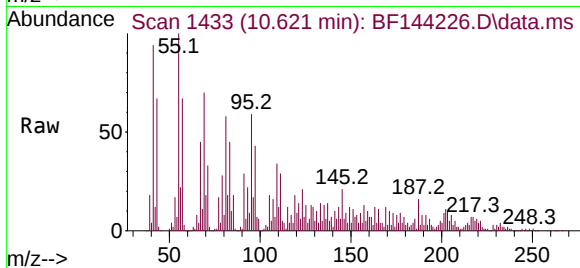




#65
4,6-Dinitro-2-methylphenol
Concen: 11.378 ng
RT: 10.621 min Scan# 1415
Delta R.T. 0.100 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

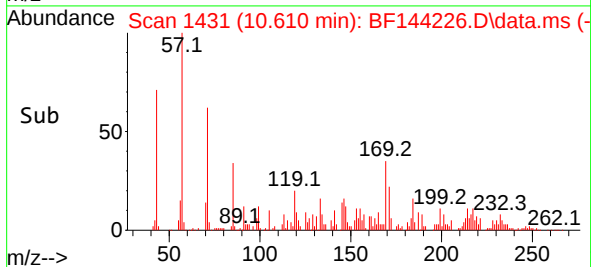
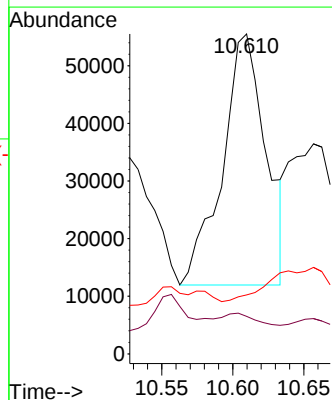
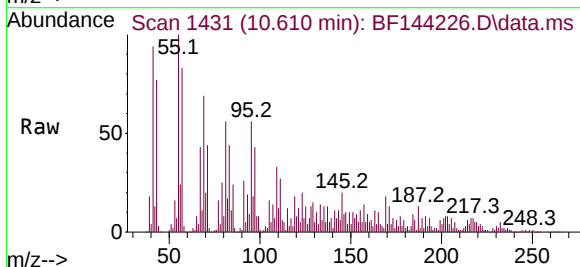
Instrument :
BNA_F
ClientSampleId :
RT4912

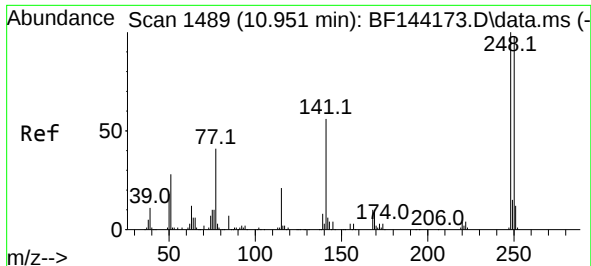
Tgt Ion:198 Resp: 8018
Ion Ratio Lower Upper
198 100
51 125.6 25.6 65.6#
105 585.4 14.6 54.6#



#66
n-Nitrosodiphenylamine
Concen: 27.828 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.041 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Tgt Ion:169 Resp: 92847
Ion Ratio Lower Upper
169 100
168 11.7 46.2 69.2#
167 18.4 25.7 38.5#

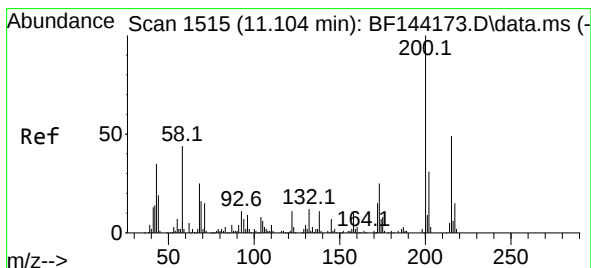
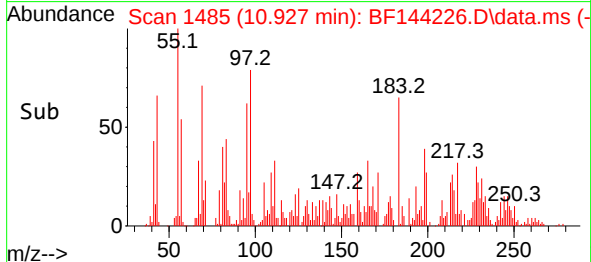
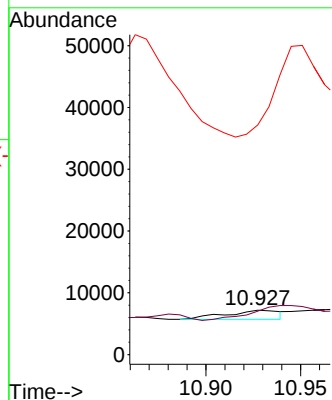
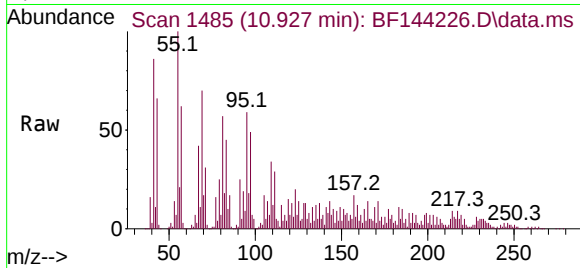




#67
4-Bromophenyl-phenylether
Concen: 2.182 ng
RT: 10.927 min Scan# 1485
Delta R.T. -0.018 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

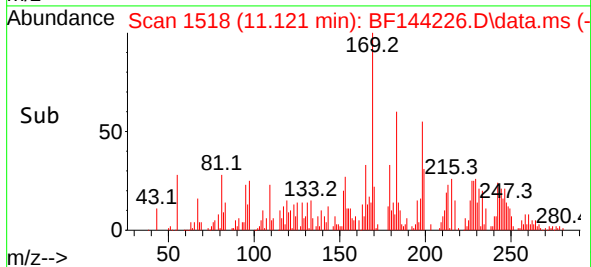
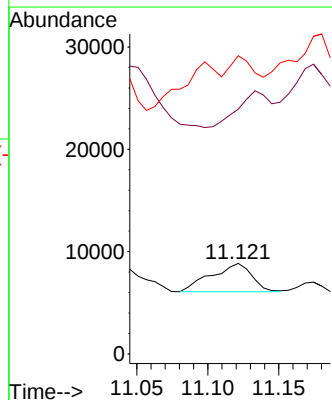
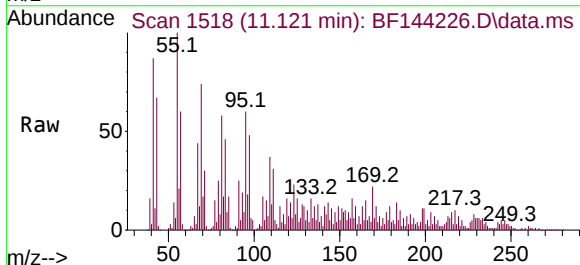
Instrument :
BNA_F
ClientSampleId :
RT4912

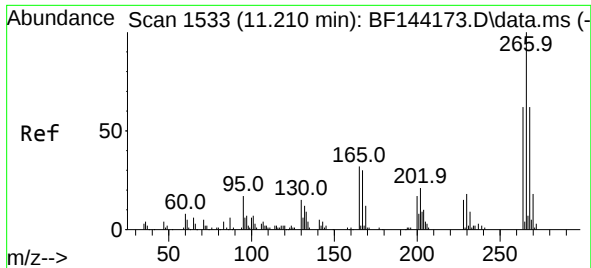
Tgt Ion:248 Resp: 2889
Ion Ratio Lower Upper
248 100
250 98.0 78.4 117.6
141 517.8 45.1 67.7#



#69
Atrazine
Concen: 5.183 ng
RT: 11.121 min Scan# 1518
Delta R.T. 0.023 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Tgt Ion:200 Resp: 5499
Ion Ratio Lower Upper
200 100
173 270.4 5.0 45.0#
215 329.4 28.7 68.7#

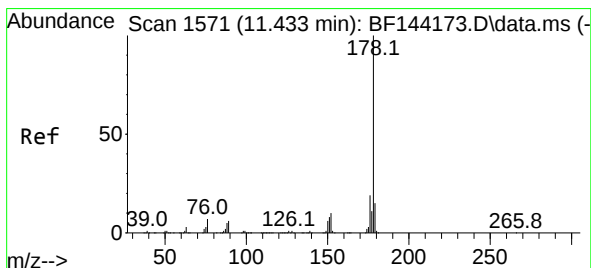
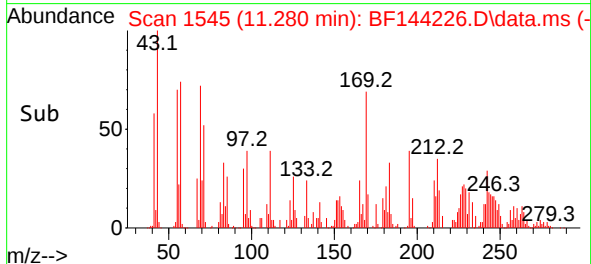
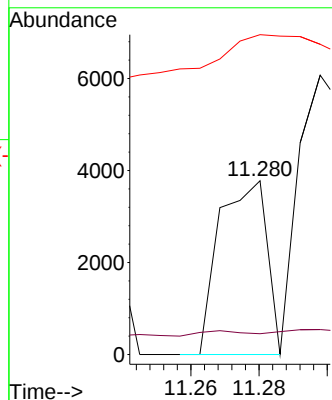
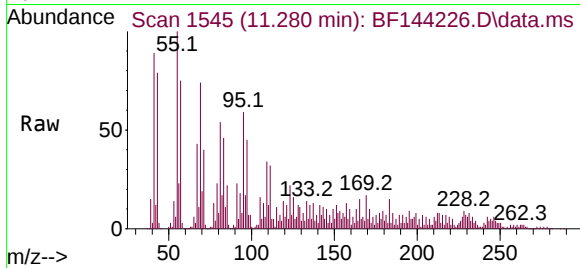




#70
 Pentachlorophenol
 Concen: 4.691 ng
 RT: 11.280 min Scan# 11
 Delta R.T. 0.065 min
 Lab File: BF144226.D
 Acq: 12 Nov 2025 02:52

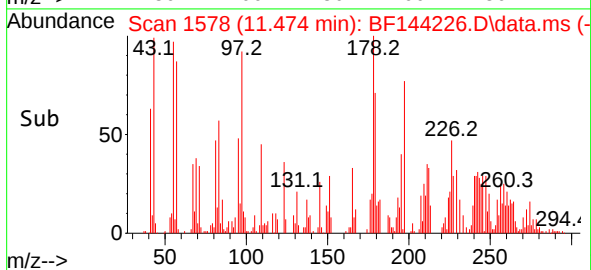
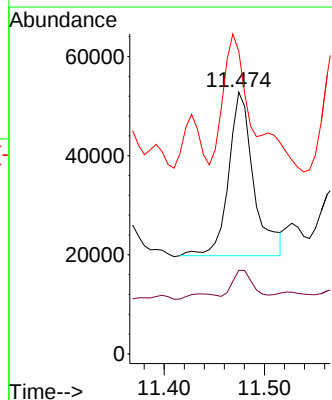
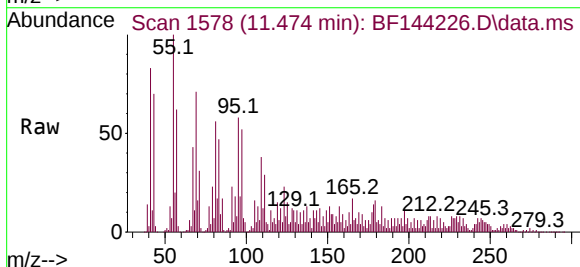
Instrument :
 BNA_F
 ClientSampleId :
 RT4912

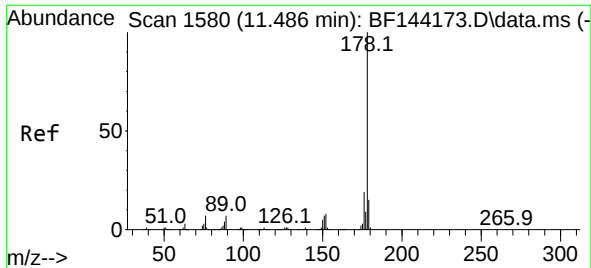
Tgt Ion:266 Resp: 3643
 Ion Ratio Lower Upper
 266 100
 268 12.0 49.5 74.3#
 264 184.1 49.4 74.2#



#71
 Phenanthrene
 Concen: 11.161 ng
 RT: 11.474 min Scan# 1578
 Delta R.T. 0.047 min
 Lab File: BF144226.D
 Acq: 12 Nov 2025 02:52

Tgt Ion:178 Resp: 57645
 Ion Ratio Lower Upper
 178 100
 176 31.9 15.5 23.3#
 179 115.7 12.2 18.4#

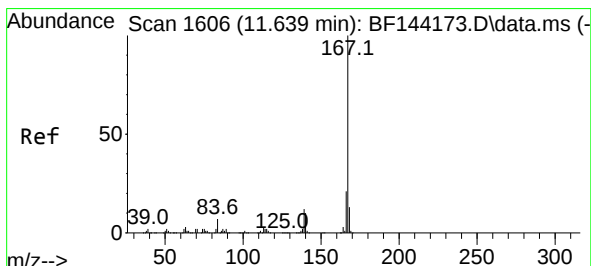
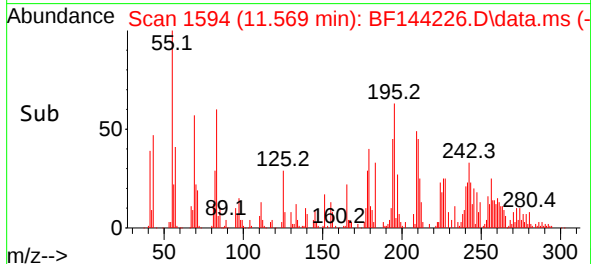
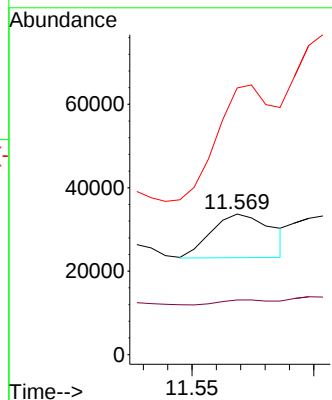
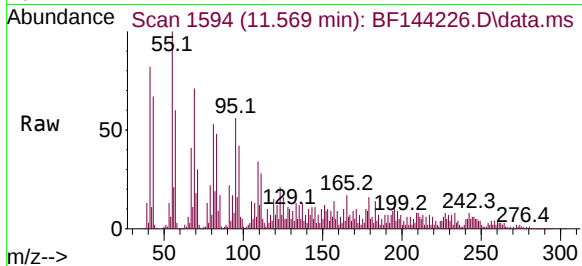




#72
Anthracene
Concen: 3.449 ng
RT: 11.569 min Scan# 1111
Delta R.T. 0.088 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

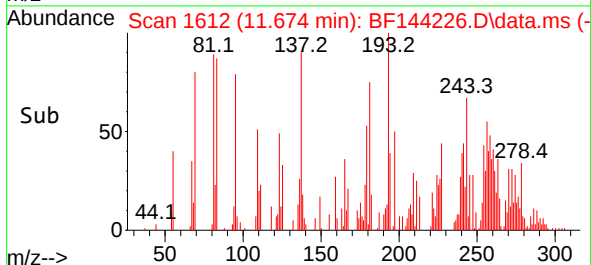
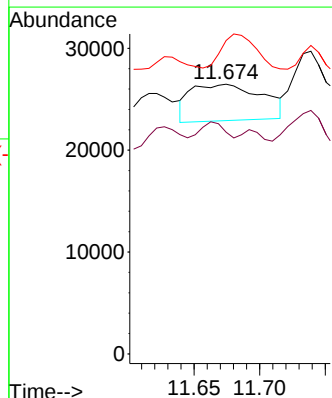
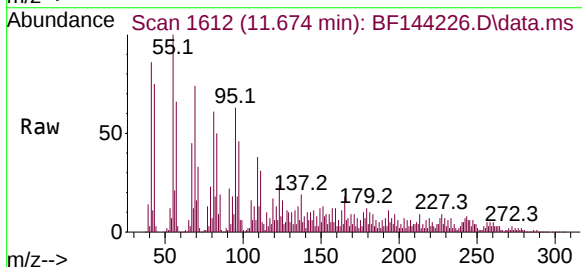
Instrument :
BNA_F
ClientSampleId :
RT4912

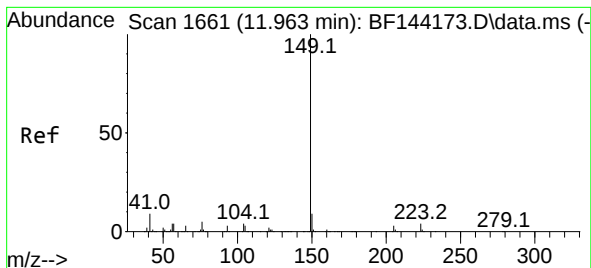
Tgt Ion:178 Resp: 18115
Ion Ratio Lower Upper
178 100
176 38.9 15.3 22.9#
179 189.8 12.0 18.0#



#73
Carbazole
Concen: 3.026 ng
RT: 11.674 min Scan# 1612
Delta R.T. 0.035 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Tgt Ion:167 Resp: 13514
Ion Ratio Lower Upper
167 100
166 82.2 17.2 25.8#
139 116.2 9.9 14.9#





#74

Di-n-butylphthalate

Concen: 12.982 ng

RT: 12.010 min Scan# 1

Delta R.T. 0.047 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Instrument :

BNA_F

ClientSampleId :

RT4912

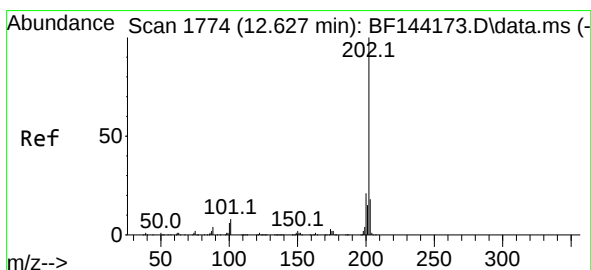
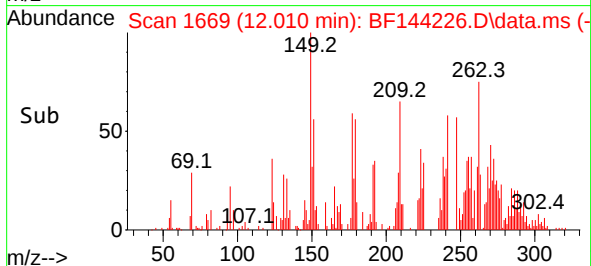
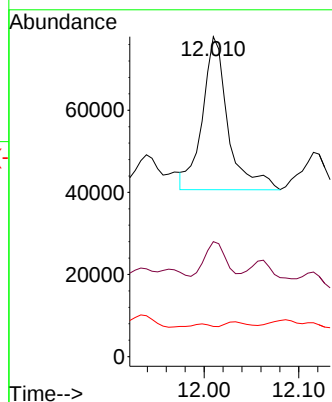
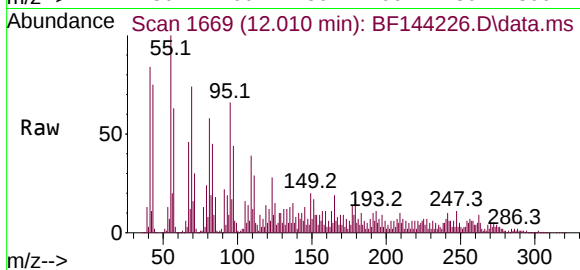
Tgt Ion:149 Resp: 70084

Ion Ratio Lower Upper

149 100

150 35.9 7.4 11.0#

104 9.4 3.4 5.2#



#75

Fluoranthene

Concen: 17.964 ng

RT: 12.680 min Scan# 1783

Delta R.T. 0.059 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

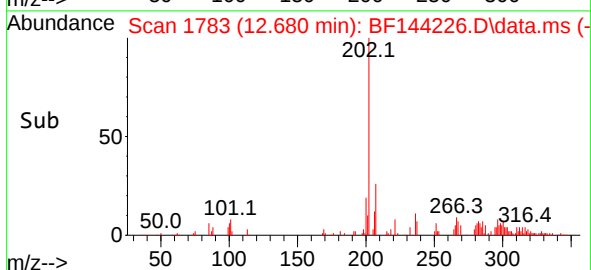
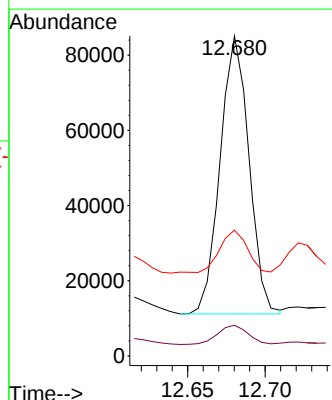
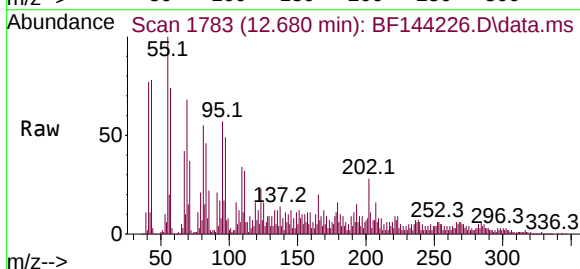
Tgt Ion:202 Resp: 95843

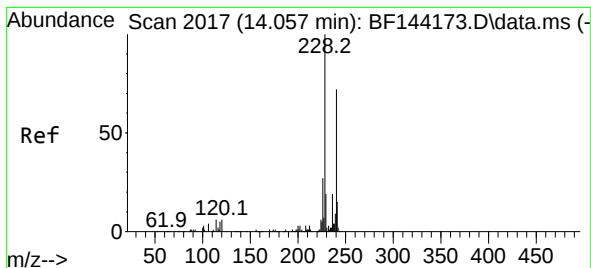
Ion Ratio Lower Upper

202 100

101 9.6 0.0 27.9

203 39.3 0.0 37.5#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.074 min Scan# 20

Delta R.T. 0.023 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Instrument :

BNA_F

ClientSampleId :

RT4912

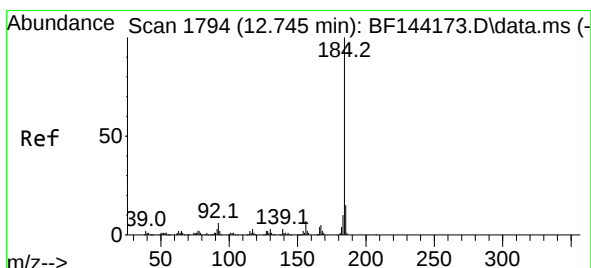
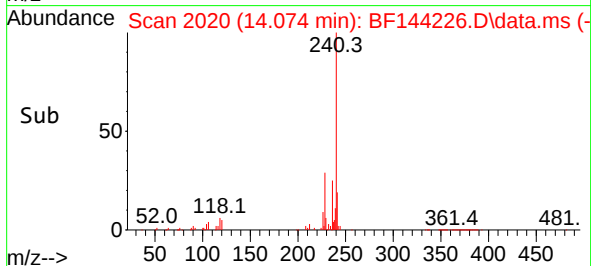
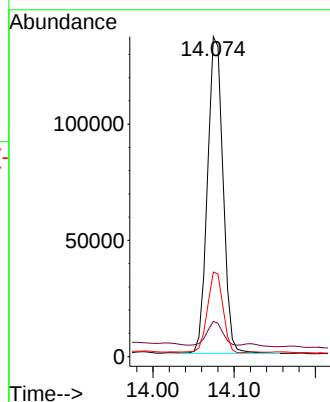
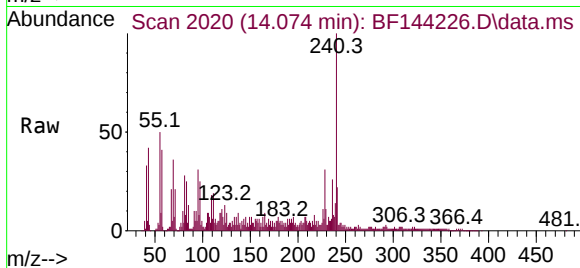
Tgt Ion:240 Resp: 181757

Ion Ratio Lower Upper

240 100

120 11.0 6.6 10.0#

236 26.4 21.4 32.2



#77

Benzidine

Concen: 2.134 ng

RT: 12.739 min Scan# 1793

Delta R.T. -0.012 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

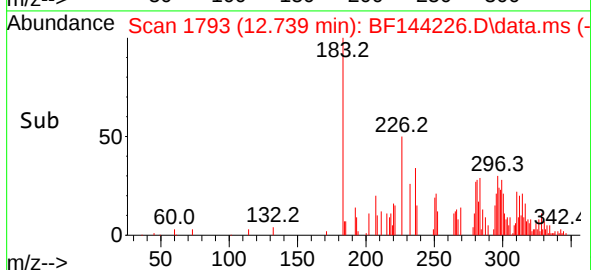
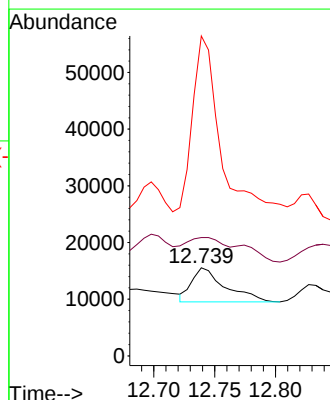
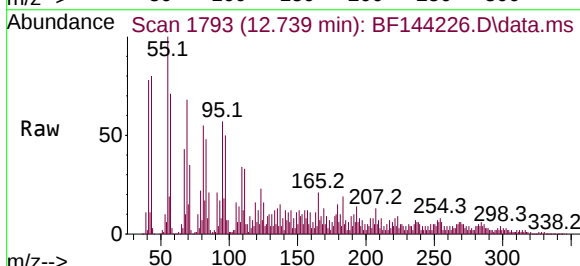
Tgt Ion:184 Resp: 11475

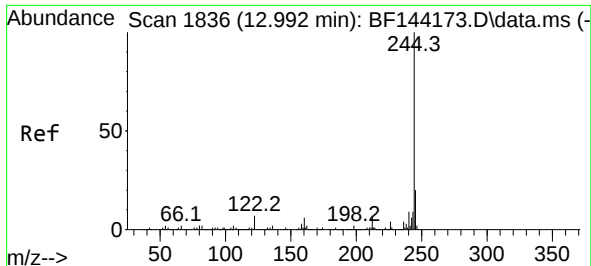
Ion Ratio Lower Upper

184 100

185 134.2 11.7 17.5#

183 363.1 8.3 12.5#

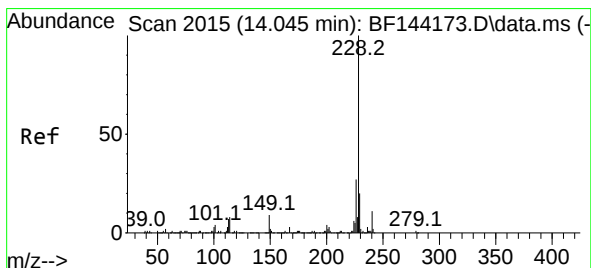
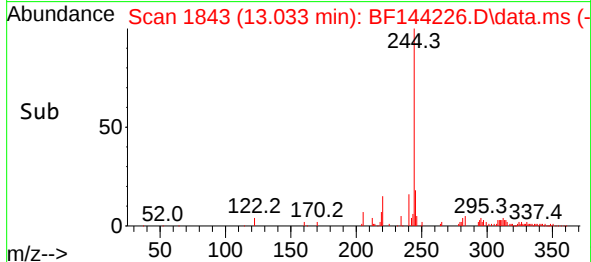
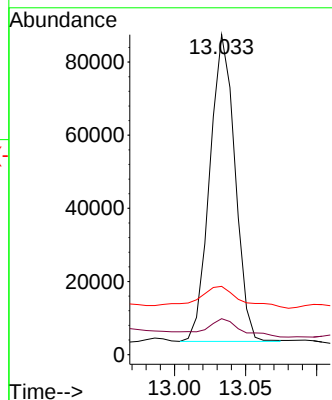
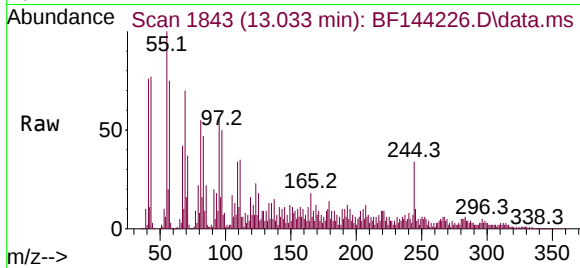




#79
 Terphenyl-d14
 Concen: 9.066 ng
 RT: 13.033 min Scan# 1836
 Delta R.T. 0.041 min
 Lab File: BF144226.D
 Acq: 12 Nov 2025 02:52

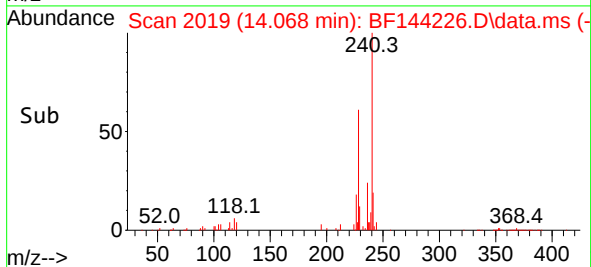
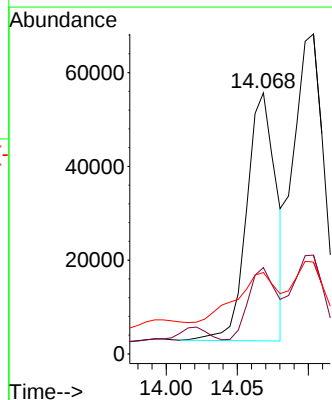
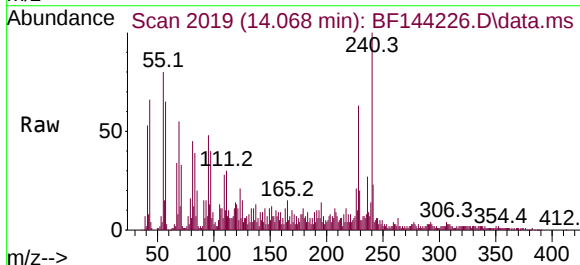
Instrument :
 BNA_F
 ClientSampleId :
 RT4912

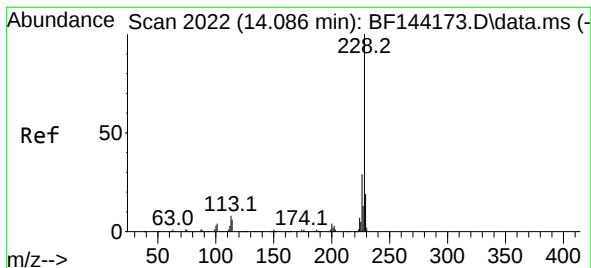
Tgt Ion:244 Resp: 103745
 Ion Ratio Lower Upper
 244 100
 212 11.2 5.3 7.9#
 122 21.3 5.6 8.4#



#81
 Benzo(a)anthracene
 Concen: 6.021 ng
 RT: 14.068 min Scan# 2019
 Delta R.T. 0.023 min
 Lab File: BF144226.D
 Acq: 12 Nov 2025 02:52

Tgt Ion:228 Resp: 75853
 Ion Ratio Lower Upper
 228 100
 226 33.1 21.8 32.8#
 229 31.2 15.8 23.6#





#83

Chrysene

Concen: 8.408 ng

RT: 14.104 min Scan# 20

Delta R.T. 0.023 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Instrument :

BNA_F

ClientSampleId :

RT4912

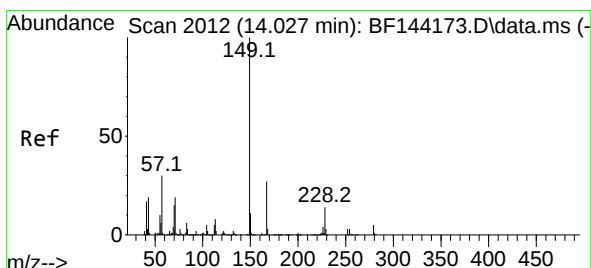
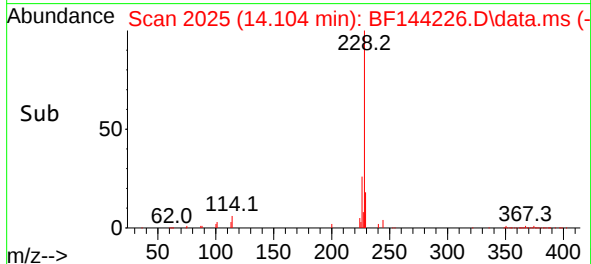
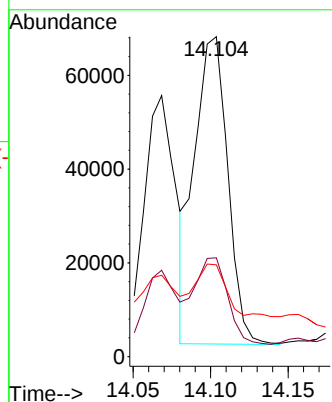
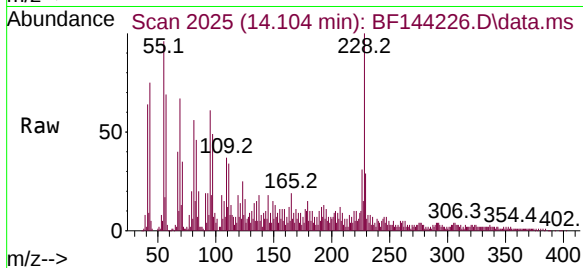
Tgt Ion:228 Resp: 97775

Ion Ratio Lower Upper

228 100

226 30.9 22.9 34.3

229 28.7 15.0 22.6#



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.288 ng

RT: 14.039 min Scan# 2014

Delta R.T. 0.012 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

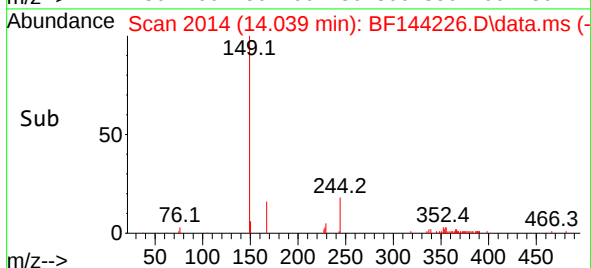
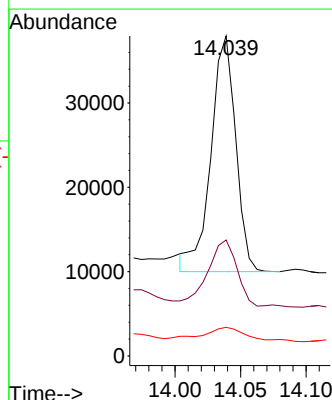
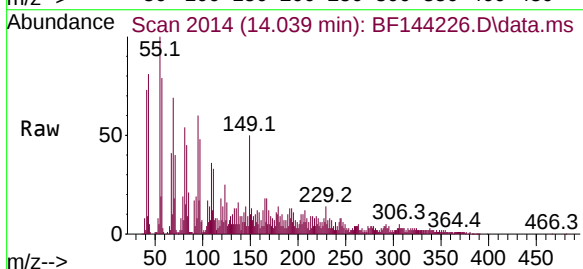
Tgt Ion:149 Resp: 36770

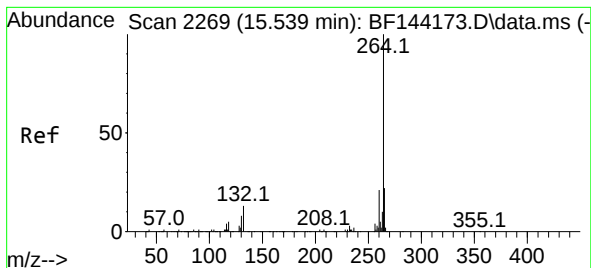
Ion Ratio Lower Upper

149 100

167 36.2 21.8 32.8#

279 8.9 3.7 5.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.551 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Instrument :

BNA_F

ClientSampleId :

RT4912

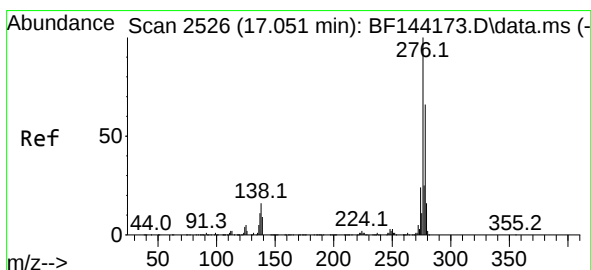
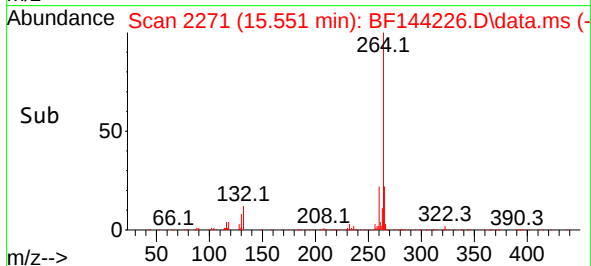
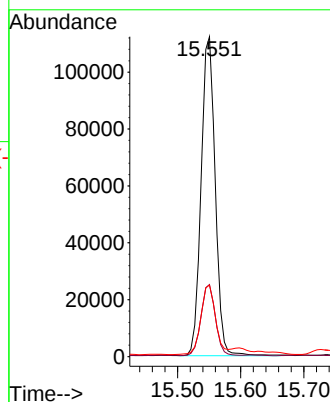
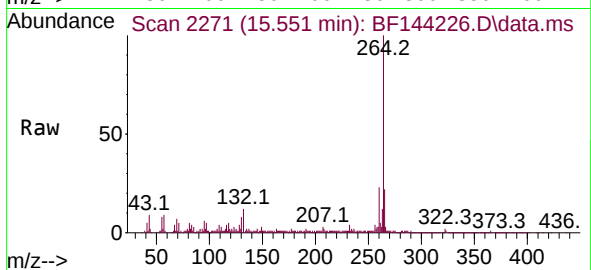
Tgt Ion:264 Resp: 173943

Ion Ratio Lower Upper

264 100

260 22.5 17.1 25.7

265 22.4 17.4 26.0



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.469 ng

RT: 17.045 min Scan# 2525

Delta R.T. 0.012 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

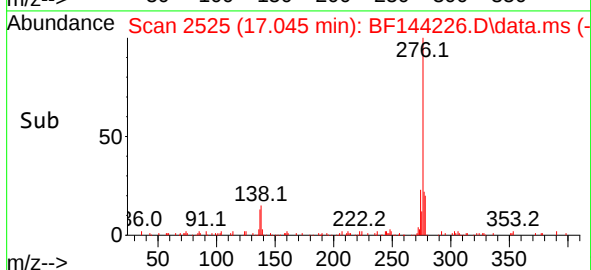
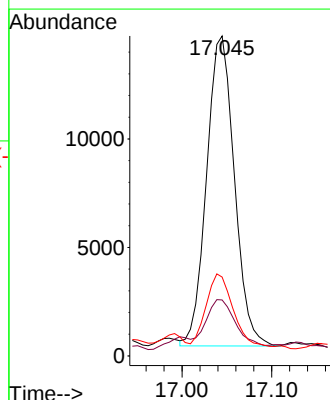
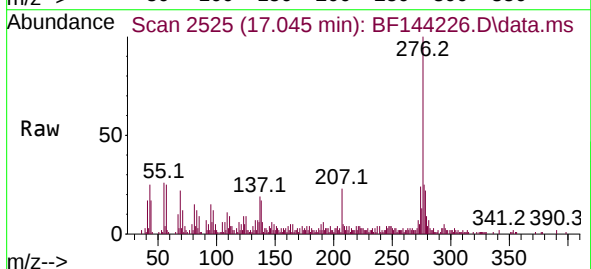
Tgt Ion:276 Resp: 30826

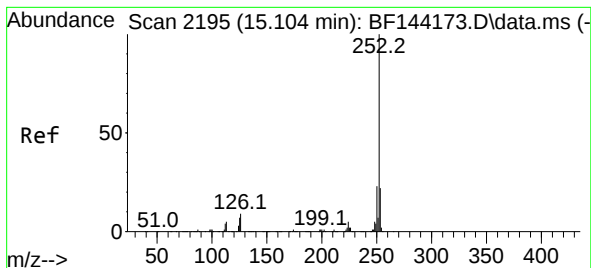
Ion Ratio Lower Upper

276 100

138 16.8 13.9 20.9

277 24.6 19.8 29.6





#88

Benzo(b)fluoranthene

Concen: 12.768 ng

RT: 15.115 min Scan# 2197

Delta R.T. 0.017 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

Instrument :

BNA_F

ClientSampleId :

RT4912

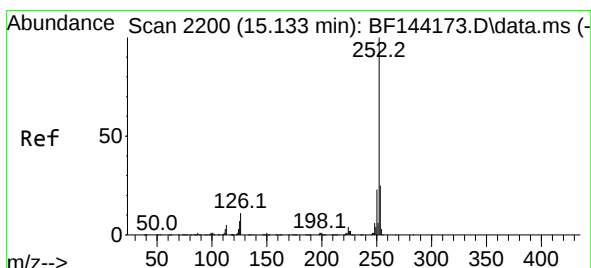
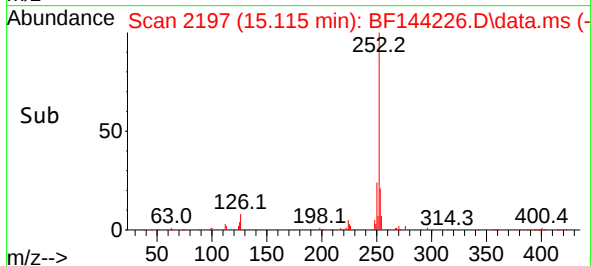
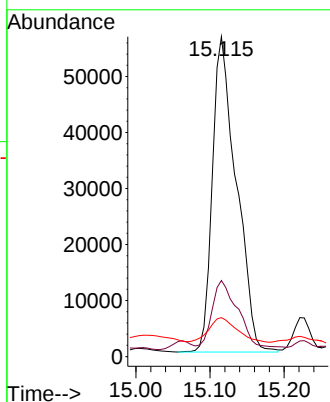
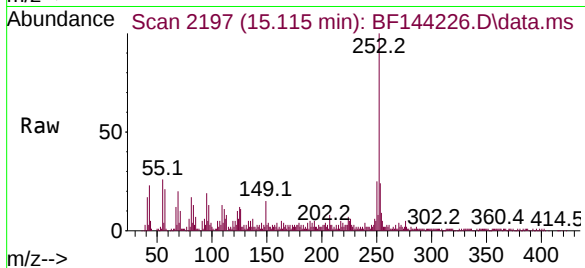
Tgt Ion:252 Resp: 126258

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.2

125 12.2 5.3 7.9#



#89

Benzo(k)fluoranthene

Concen: 13.641 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF144226.D

Acq: 12 Nov 2025 02:52

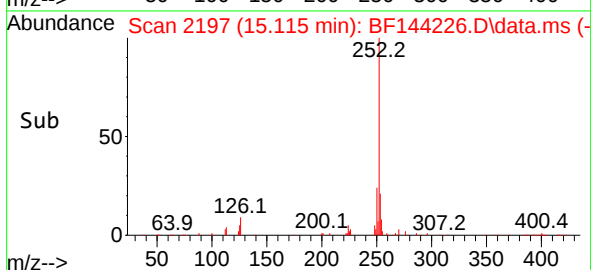
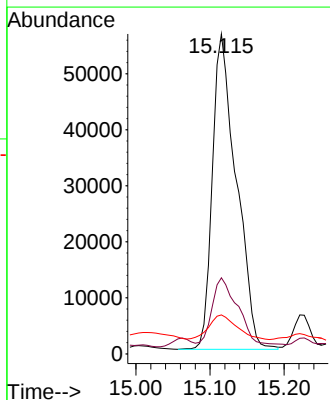
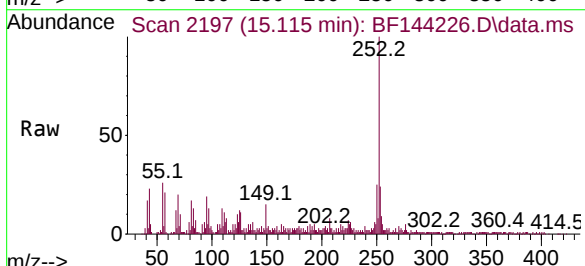
Tgt Ion:252 Resp: 126258

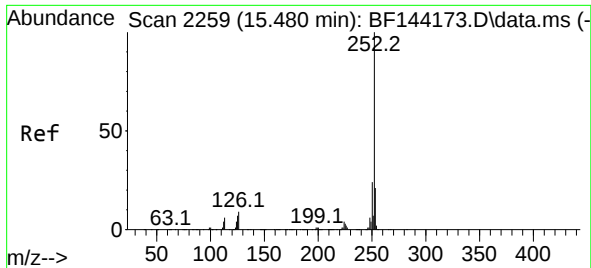
Ion Ratio Lower Upper

252 100

253 23.8 18.0 27.0

125 12.2 5.4 8.2#

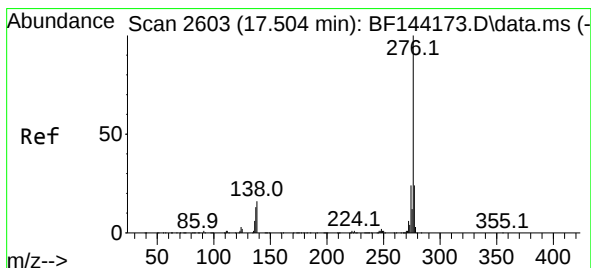
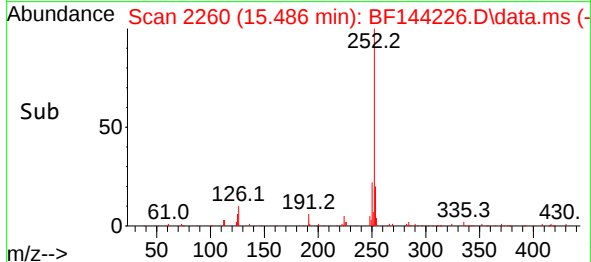
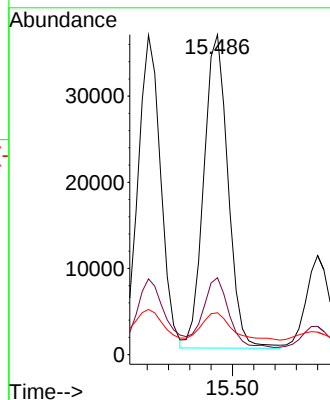
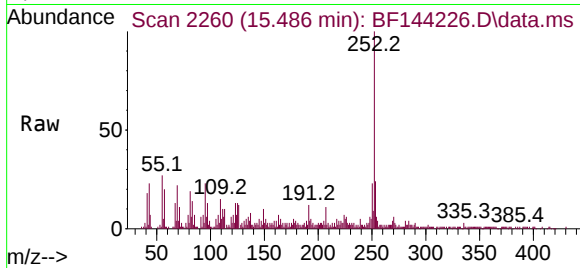




#90
Benzo(a)pyrene
Concen: 6.281 ng
RT: 15.486 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Instrument :
BNA_F
ClientSampleId :
RT4912

Tgt Ion:252 Resp: 57304
Ion Ratio Lower Upper
252 100
253 24.0 16.7 25.1
125 13.1 5.7 8.5#



#92
Benzo(g,h,i)perylene
Concen: 3.448 ng
RT: 17.498 min Scan# 2602
Delta R.T. 0.006 min
Lab File: BF144226.D
Acq: 12 Nov 2025 02:52

Tgt Ion:276 Resp: 34146
Ion Ratio Lower Upper
276 100
277 23.2 19.0 28.4
138 20.6 12.9 19.3#

