

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF061225\
 Data File : BF142770.D
 Acq On : 12 Jun 2025 21:25
 Operator : RC/JU
 Sample : Q2286-01 10X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0082-LAW-250083

Quant Time: Jun 13 01:02:06 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jun 11 05:56:09 2025
 Response via : Initial Calibration

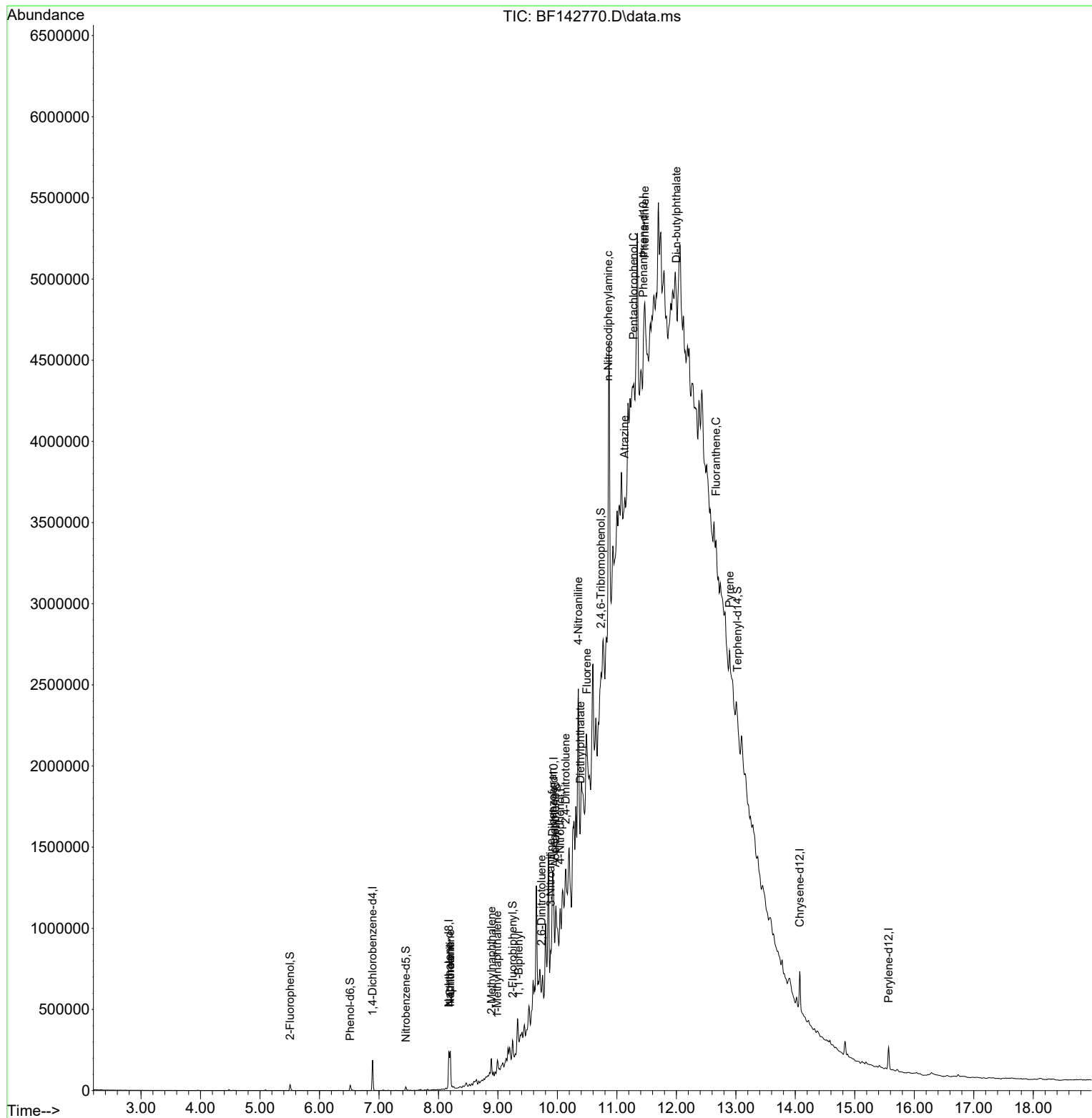
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	41714	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	144183	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	76652	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	113176	20.000	ng	# 0.02
76) Chrysene-d12	14.074	240	110757	20.000	ng	0.00
86) Perylene-d12	15.568	264	82631	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	16604	6.779	ng	0.00
7) Phenol-d6	6.516	99	18180	6.307	ng	0.00
23) Nitrobenzene-d5	7.451	82	10345	3.927	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	5119	6.093	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	27713	4.803	ng	0.00
79) Terphenyl-d14	13.027	244	33827	4.195	ng	0.02
Target Compounds						
						Qvalue
31) Naphthalene	8.198	128	133825	18.767	ng	99
33) 4-Chloroaniline	8.198	127	17036	5.950	ng	# 30
37) 2-Methylnaphthalene	8.892	142	49001	10.857	ng	98
38) 1-Methylnaphthalene	8.986	142	23489	5.024	ng	97
46) 1,1'-Biphenyl	9.351	154	13080	2.198	ng	91
51) 2,6-Dinitrotoluene	9.733	165	4049	3.660	ng	# 50
52) Acenaphthene	9.969	154	20128	4.391	ng	# 86
53) 3-Nitroaniline	9.886	138	6557	5.465	ng	# 25
55) Dibenzofuran	9.916	168	14818	2.270	ng	95
56) 4-Nitrophenol	10.045	139	3844	4.723	ng	# 1
57) 2,4-Dinitrotoluene	10.139	165	8176	5.590	ng	# 63
58) Fluorene	10.492	166	31203	6.053	ng	# 59
60) Diethylphthalate	10.386	149	10686	2.105	ng	# 10
62) 4-Nitroaniline	10.351	138	12742	11.870	ng	83
66) n-Nitrosodiphenylamine	10.857	169	86098	22.132	ng	98
69) Atrazine	11.127	200	2274	2.192	ng	# 1
70) Pentachlorophenol	11.280	266	2541	3.269	ng	# 39
71) Phenanthrene	11.469	178	161343	26.610	ng	# 78
74) Di-n-butylphthalate	12.004	149	55514	9.468	ng	# 53
75) Fluoranthene	12.668	202	54869	9.517	ng	71
78) Pyrene	12.898	202	32263	3.135	ng	# 68

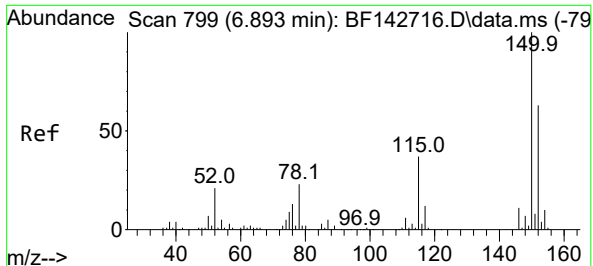
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF142770.D
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LAW-25-0082-LAW-250083

Quant Time: Jun 13 01:02:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Jun 11 05:56:09 2025
Response via : Initial Calibration

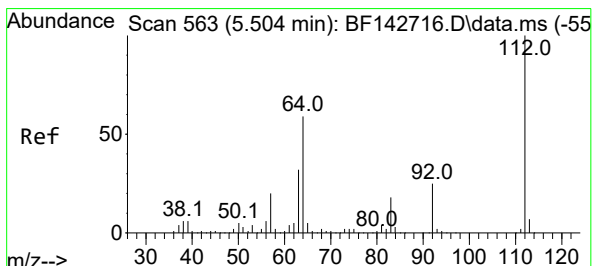
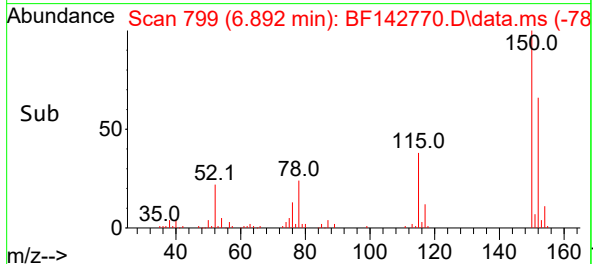
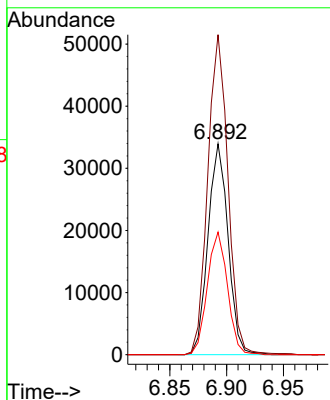
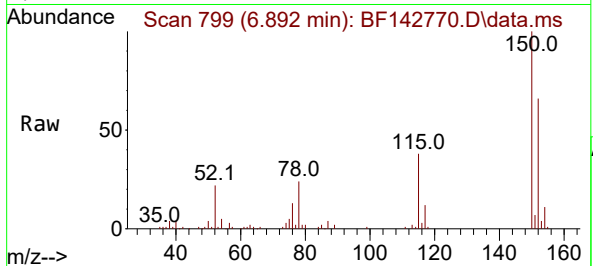




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.001 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

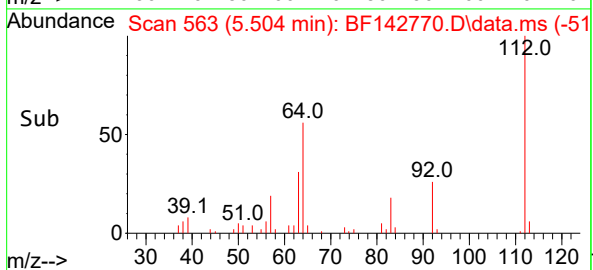
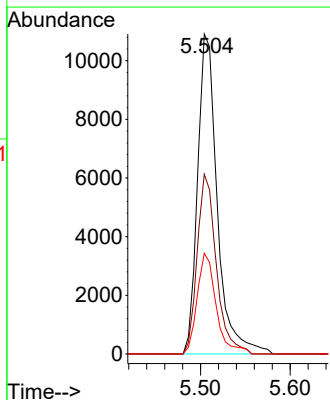
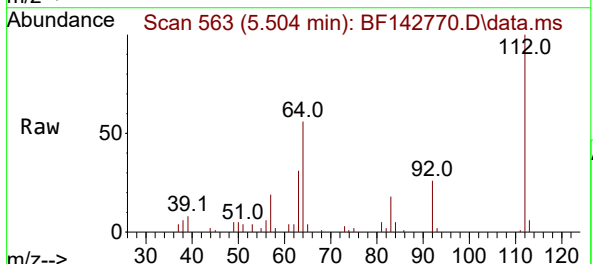
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083

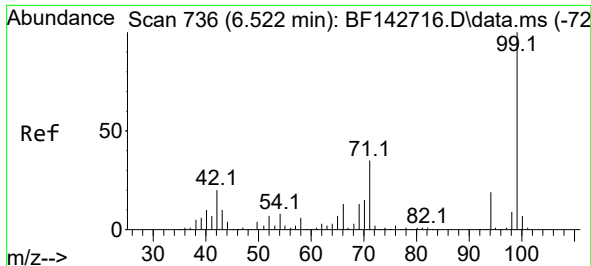
Tgt Ion:152 Resp: 41714
Ion Ratio Lower Upper
152 100
150 151.8 126.9 190.3
115 58.1 47.0 70.6



#5
2-Fluorophenol
Concen: 6.779 ng
RT: 5.504 min Scan# 563
Delta R.T. 0.000 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:112 Resp: 16604
Ion Ratio Lower Upper
112 100
64 56.2 47.4 71.2
63 31.4 25.4 38.0

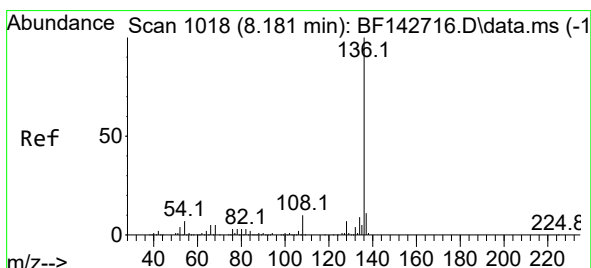
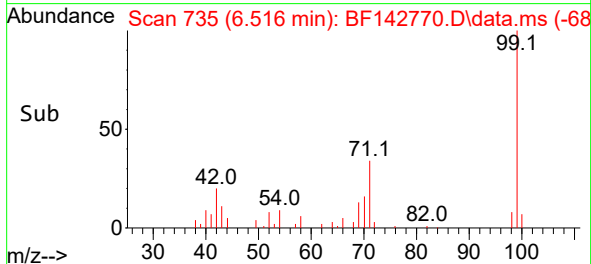
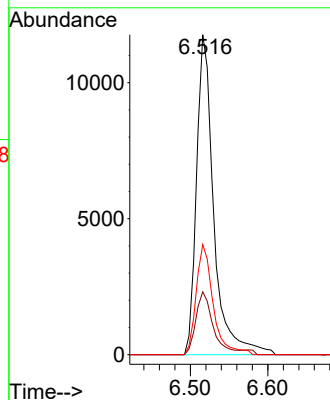
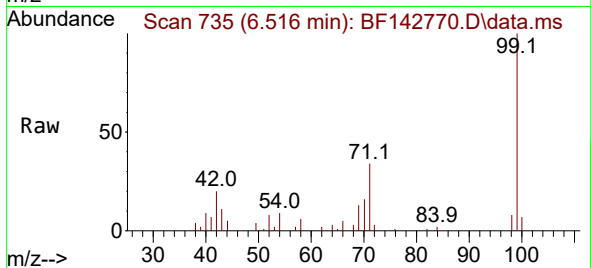




#7
Phenol-d6
Concen: 6.307 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

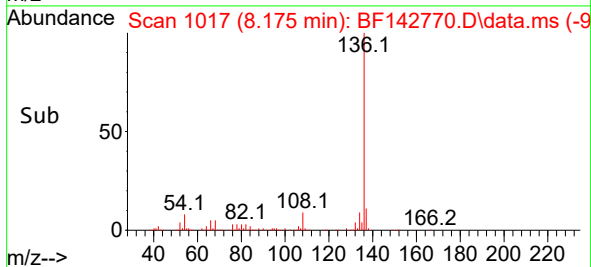
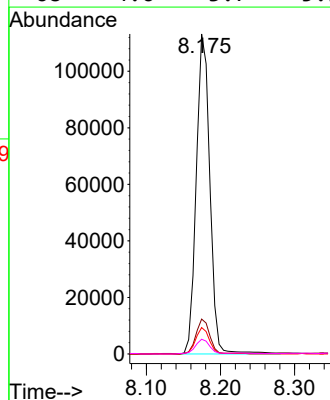
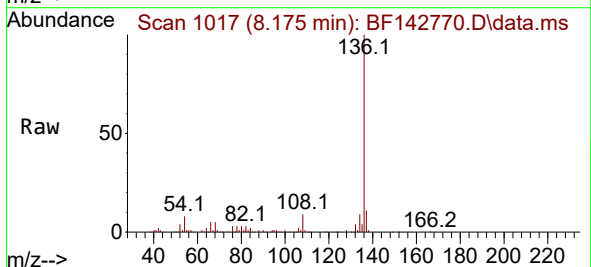
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083

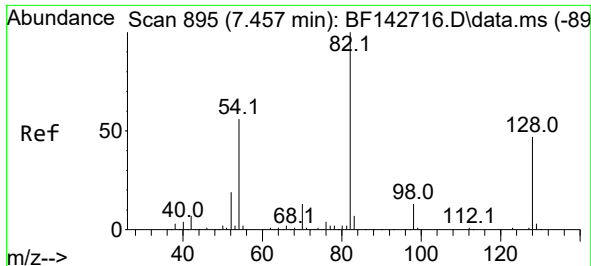
Tgt Ion: 99 Resp: 18180
Ion Ratio Lower Upper
99 100
42 19.6 15.9 23.9
71 34.4 28.0 42.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion: 136 Resp: 144183
Ion Ratio Lower Upper
136 100
137 10.9 8.7 13.1
54 8.2 5.9 8.9
68 4.6 3.7 5.5





#23

Nitrobenzene-d5

Concen: 3.927 ng

RT: 7.451 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF142770.D

Acq: 12 Jun 2025 21:25

Instrument :

BNA_F

ClientSampleId :

LAW-25-0082-LAW-250083

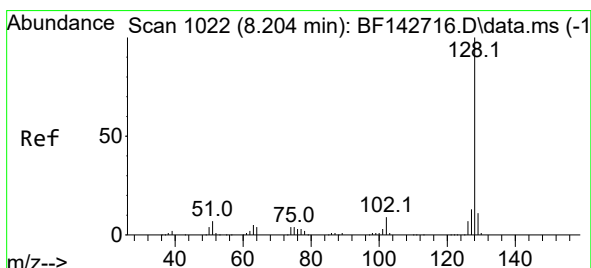
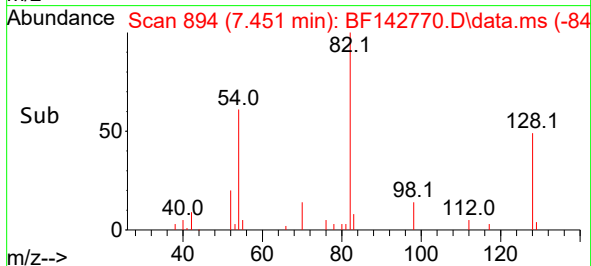
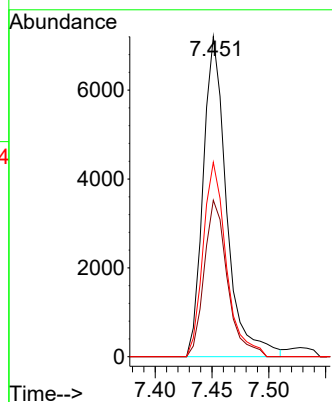
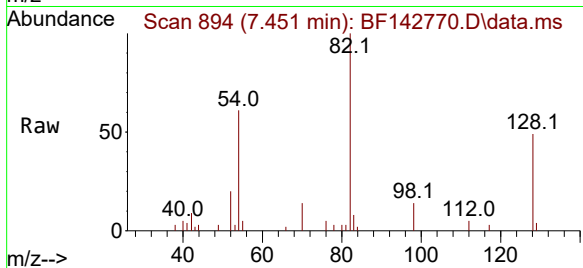
Tgt Ion: 82 Resp: 10345

Ion Ratio Lower Upper

82 100

128 48.9 37.8 56.8

54 60.7 44.9 67.3



#31

Naphthalene

Concen: 18.767 ng

RT: 8.198 min Scan# 1021

Delta R.T. -0.006 min

Lab File: BF142770.D

Acq: 12 Jun 2025 21:25

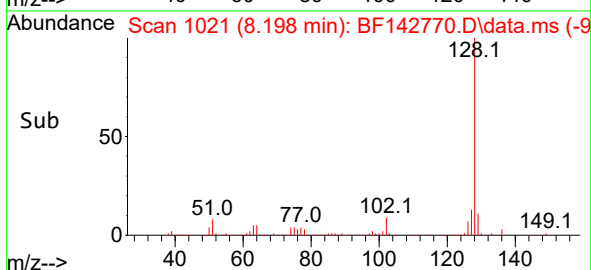
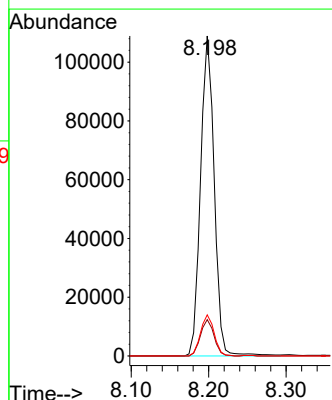
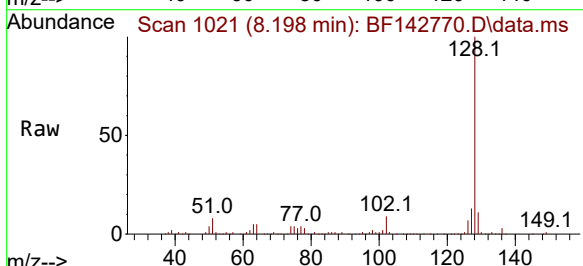
Tgt Ion:128 Resp: 133825

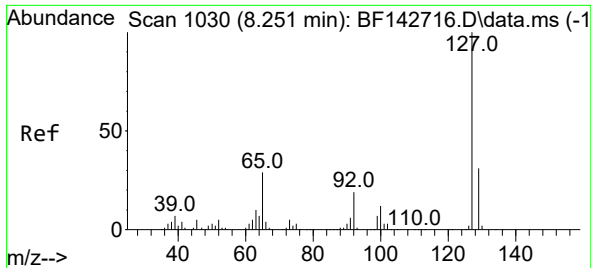
Ion Ratio Lower Upper

128 100

129 11.3 8.7 13.1

127 12.8 10.4 15.6

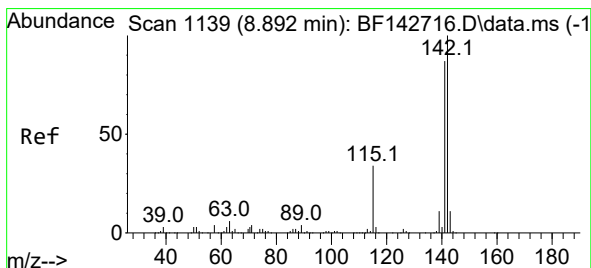
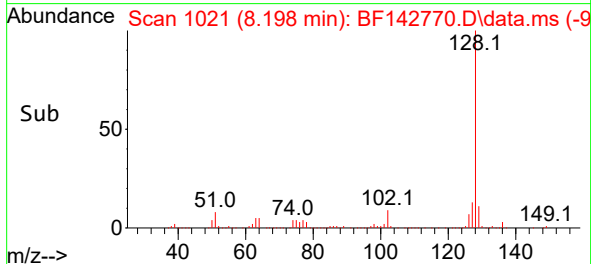
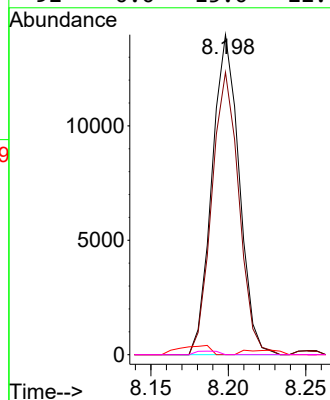
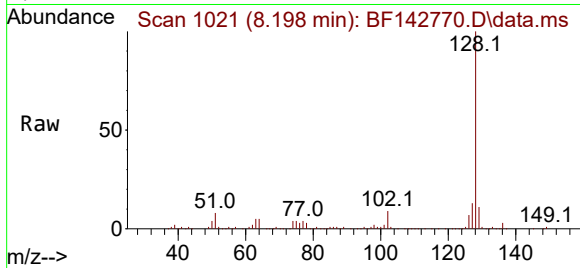




#33
4-Chloroaniline
Concen: 5.950 ng
RT: 8.198 min Scan# 1030
Delta R.T. -0.053 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

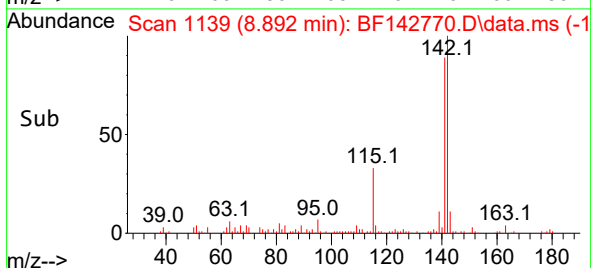
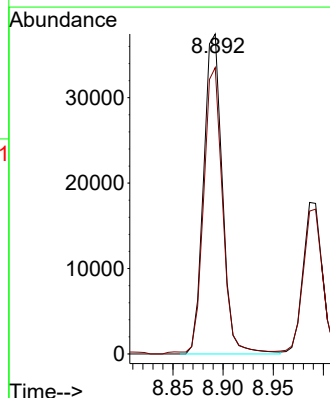
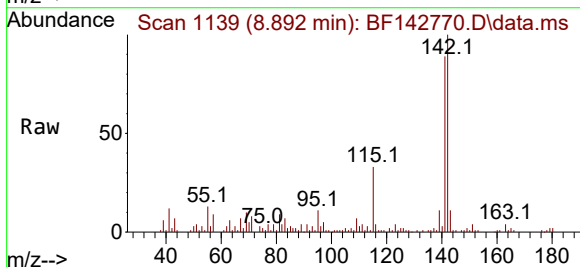
Instrument :
BNA_F
ClientSampleId :
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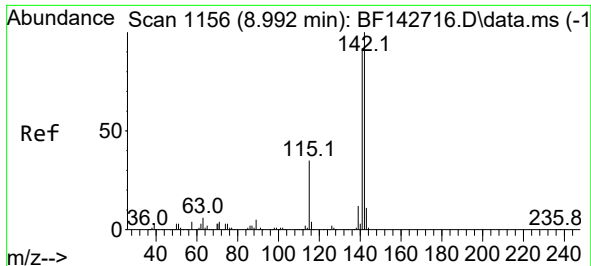
Tgt Ion:127	Resp:	17036
Ion Ratio	Lower	Upper
127	100	
129	88.3	25.6 38.4#
65	0.0	23.0 34.4#
92	0.0	15.0 22.4#



#37
2-Methylnaphthalene
Concen: 10.857 ng
RT: 8.892 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:142	Resp:	49001
Ion Ratio	Lower	Upper
142	100	
141	89.5	69.9 104.9

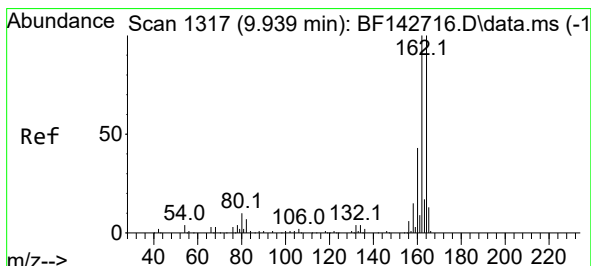
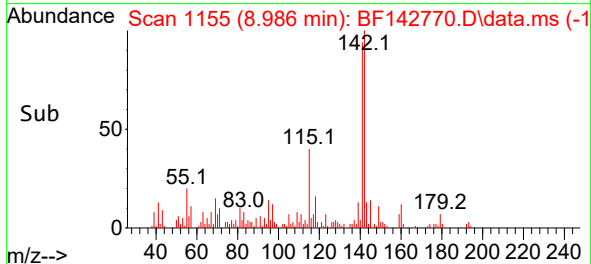
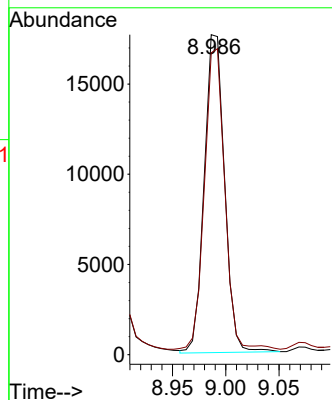
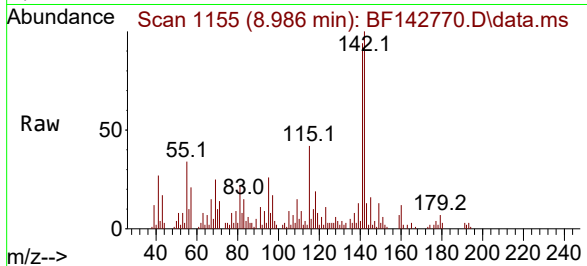




#38
1-Methylnaphthalene
Concen: 5.024 ng
RT: 8.986 min Scan# 1155
Delta R.T. -0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

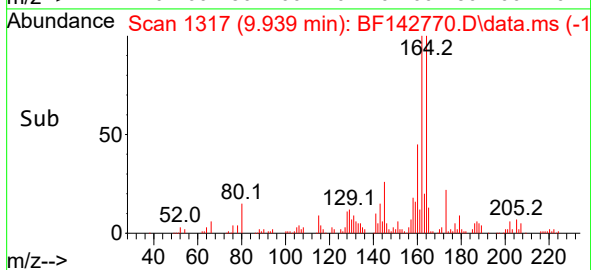
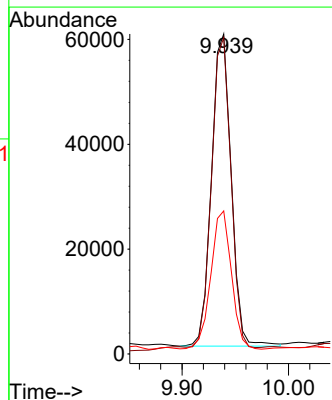
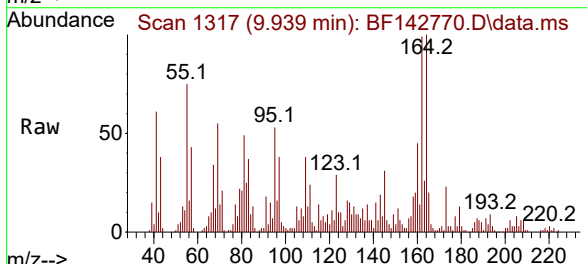
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ClientSampleId : LAW-25-0082-LAW-250083

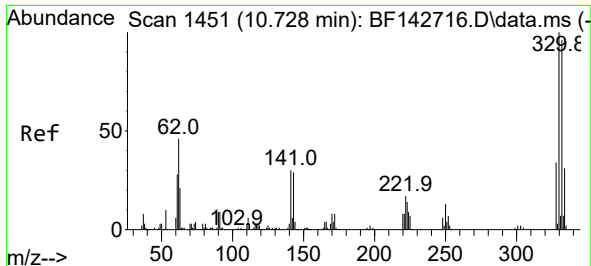
Tgt Ion:142 Resp: 23489
Ion Ratio Lower Upper
142 100
141 94.4 73.5 110.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:164 Resp: 76652
Ion Ratio Lower Upper
164 100
162 98.8 79.9 119.9
160 44.7 34.8 52.2

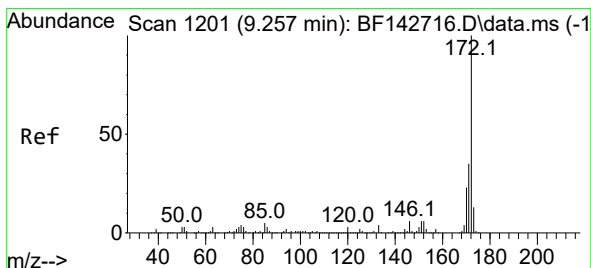
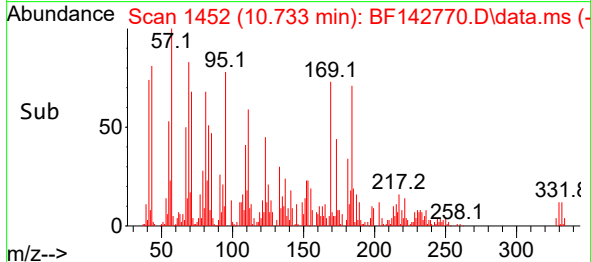
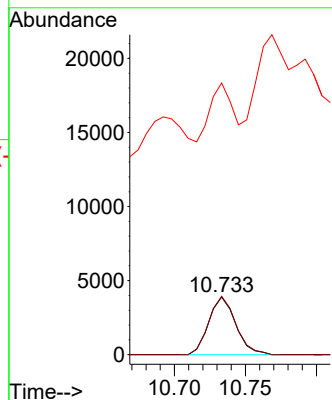
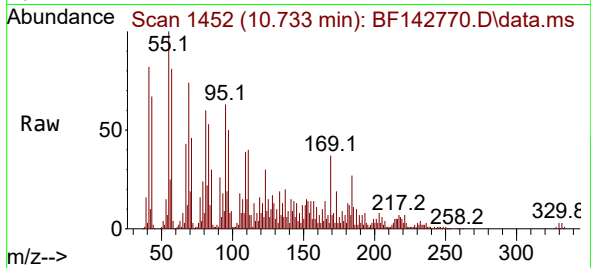




#42
2,4,6-Tribromophenol
Concen: 6.093 ng
RT: 10.733 min Scan# 1451
Delta R.T. 0.005 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

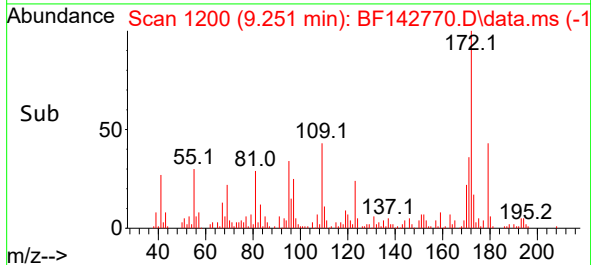
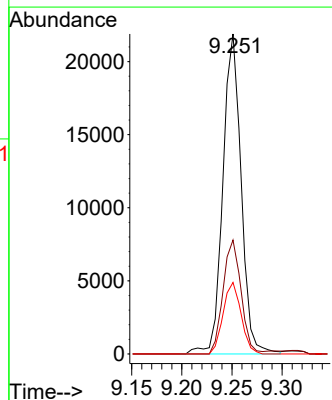
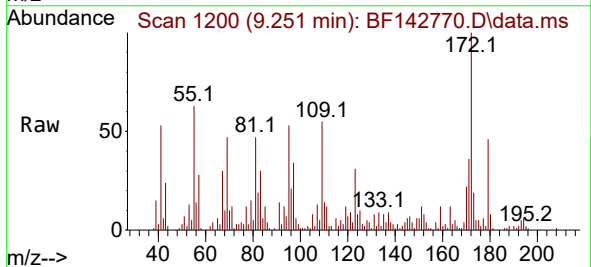
Instrument :
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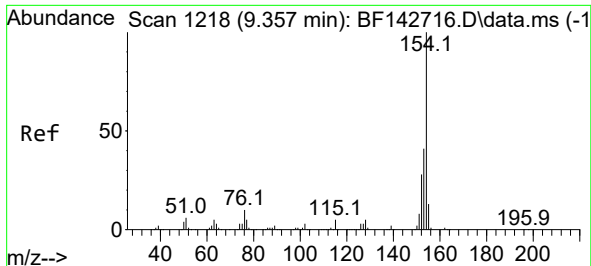
Tgt Ion:330 Resp: 5119
Ion Ratio Lower Upper
330 100
332 101.7 77.0 115.6
141 82.7 25.4 38.0#



#45
2-Fluorobiphenyl
Concen: 4.803 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:172 Resp: 27713
Ion Ratio Lower Upper
172 100
171 35.6 28.1 42.1
170 22.3 18.6 27.8

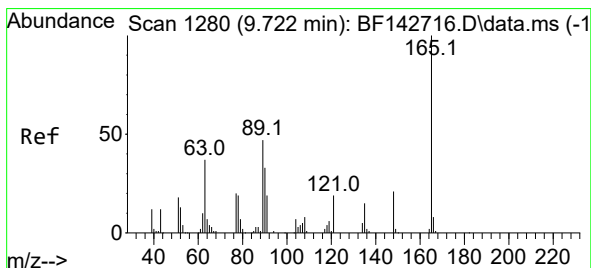
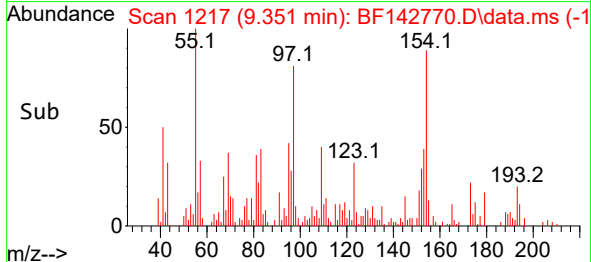
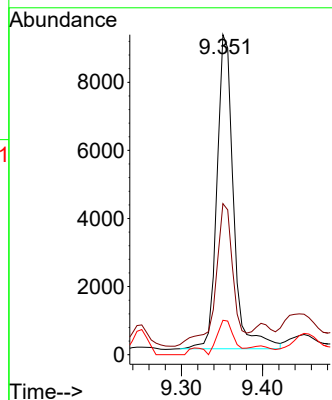
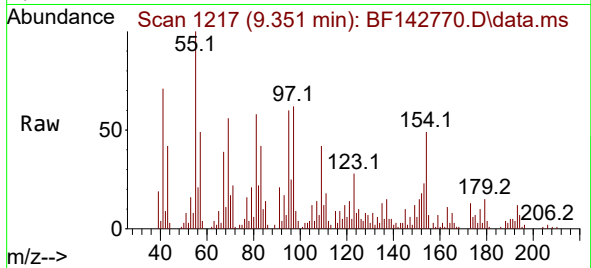




#46
1,1'-Biphenyl
Concen: 2.198 ng
RT: 9.351 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

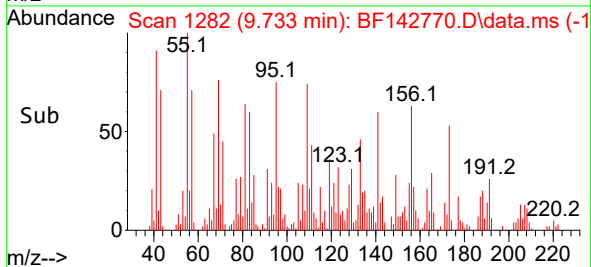
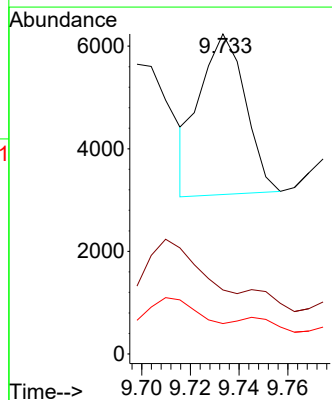
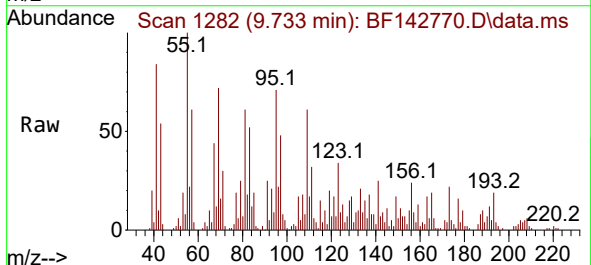
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083

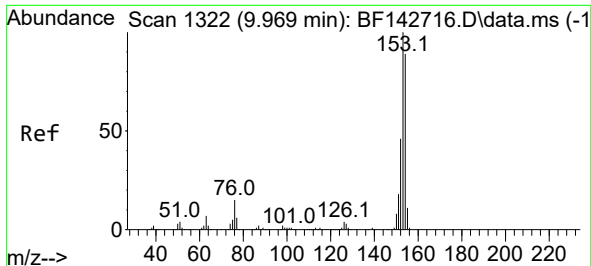
Tgt Ion:154 Resp: 13080
Ion Ratio Lower Upper
154 100
153 47.2 20.6 60.6
76 10.8 0.0 30.2



#51
2,6-Dinitrotoluene
Concen: 3.660 ng
RT: 9.733 min Scan# 1282
Delta R.T. 0.012 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:165 Resp: 4049
Ion Ratio Lower Upper
165 100
63 20.0 40.6 60.8#
89 9.5 37.6 56.4#

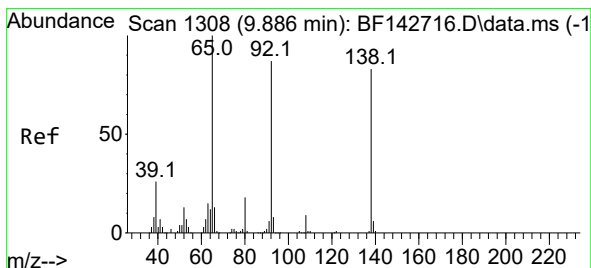
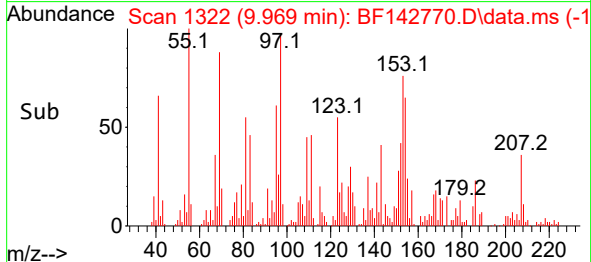
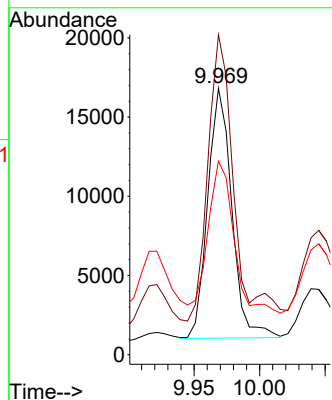
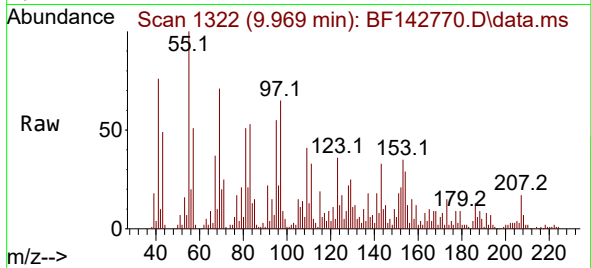




#52
Acenaphthene
Concen: 4.391 ng
RT: 9.969 min Scan# 1322
Delta R.T. -0.000 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

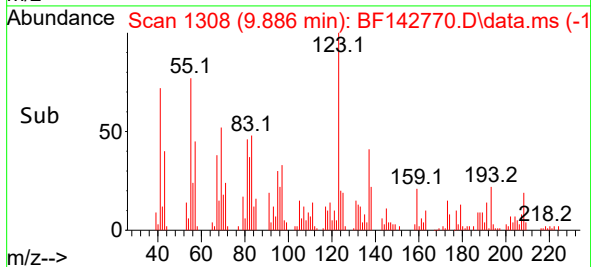
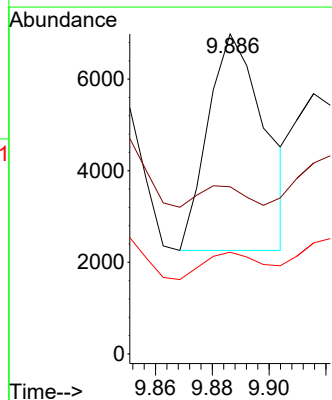
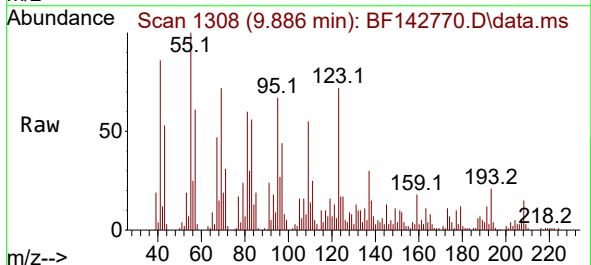
Instrument : BNA_F
ClientSampleId : LAW-25-0082-LAW-250083

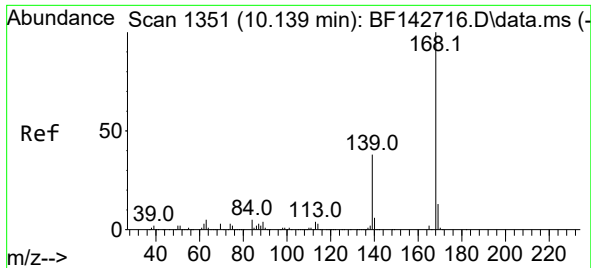
Tgt Ion:154 Resp: 20128
Ion Ratio Lower Upper
154 100
153 120.1 90.1 135.1
152 72.7 41.9 62.9#



#53
3-Nitroaniline
Concen: 5.465 ng
RT: 9.886 min Scan# 1308
Delta R.T. -0.000 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:138 Resp: 6557
Ion Ratio Lower Upper
138 100
108 52.3 8.3 12.5#
92 31.8 84.6 127.0#

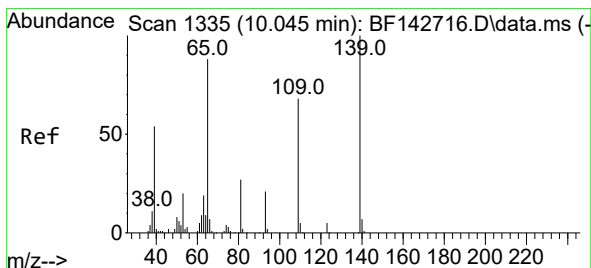
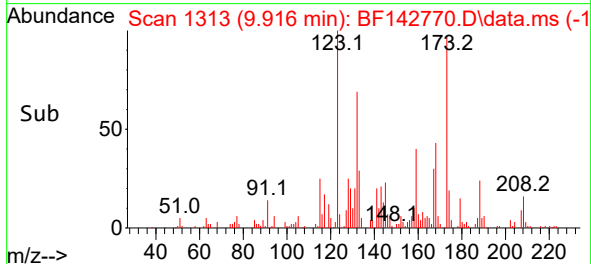
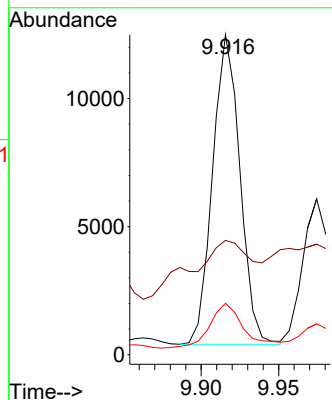
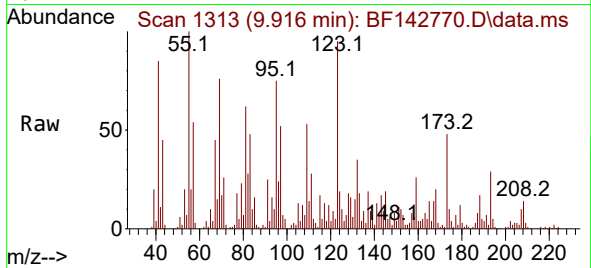




#55
Dibenzenofuran
Concen: 2.270 ng
RT: 9.916 min Scan# 11
Delta R.T. -0.224 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

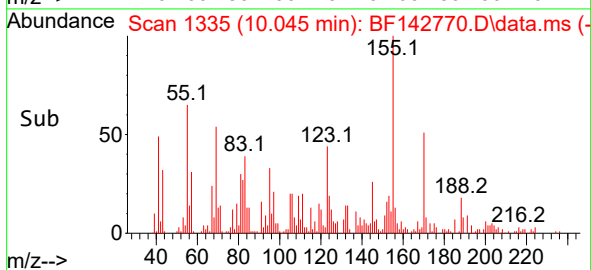
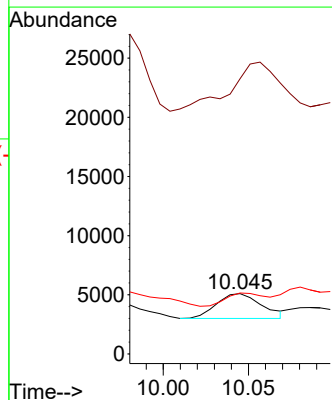
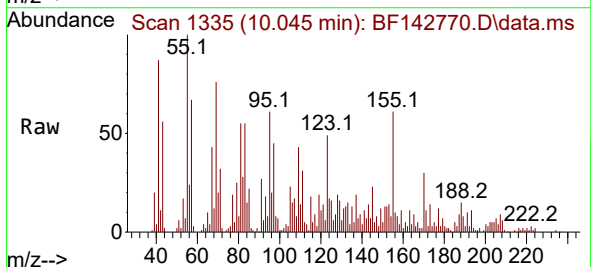
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083

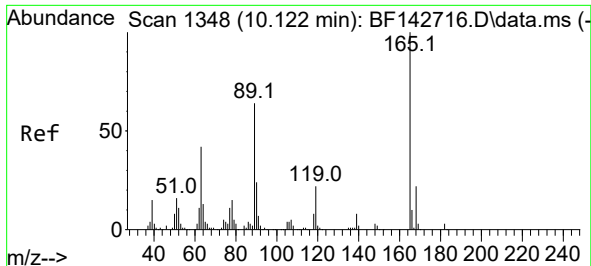
Tgt Ion:168 Resp: 14818
Ion Ratio Lower Upper
168 100
139 35.7 30.9 46.3
169 16.1 10.8 16.2



#56
4-Nitrophenol
Concen: 4.723 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:139 Resp: 3844
Ion Ratio Lower Upper
139 100
109 455.9 47.5 87.5#
65 101.1 69.2 109.2

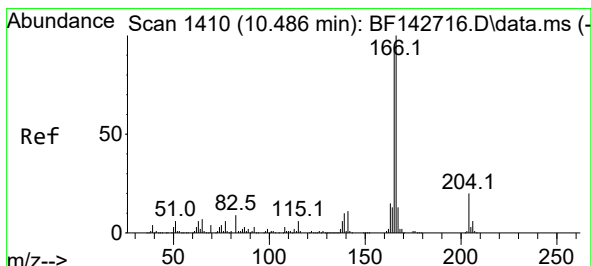
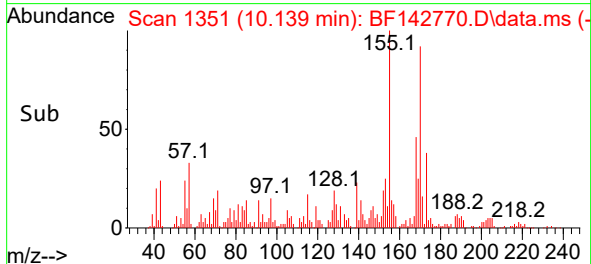
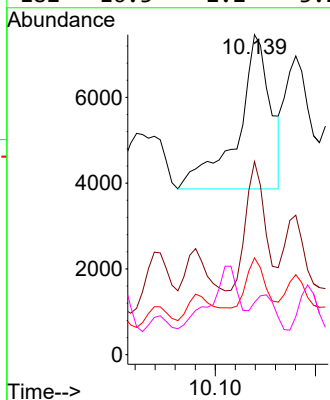
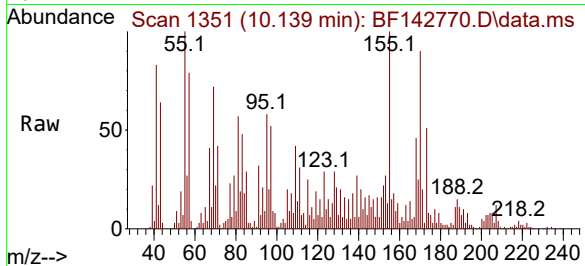




#57
2,4-Dinitrotoluene
Concen: 5.590 ng
RT: 10.139 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

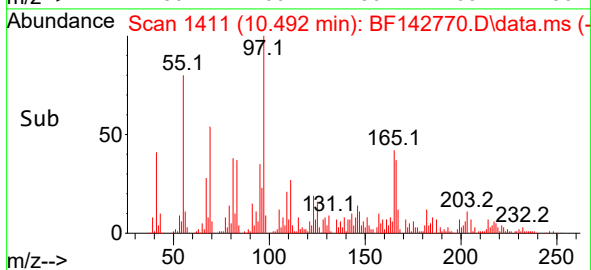
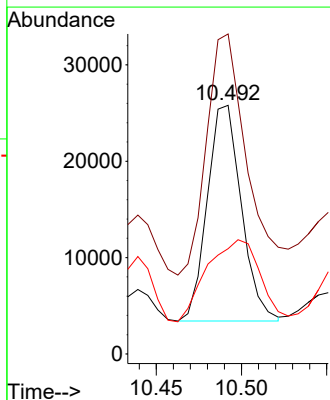
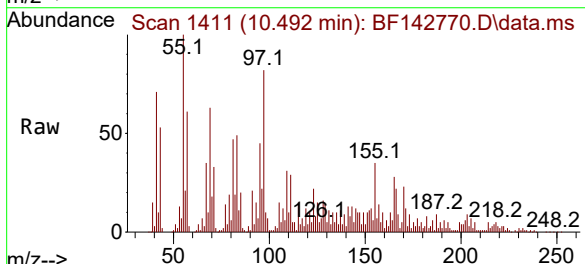
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083

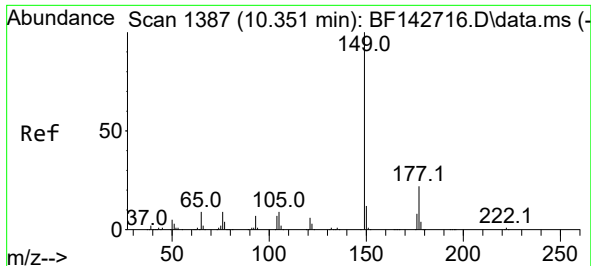
Tgt Ion:165 Resp: 8176
Ion Ratio Lower Upper
165 100
63 60.4 34.1 51.1#
89 30.2 50.8 76.2#
182 16.3 2.2 3.2#



#58
Fluorene
Concen: 6.053 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:166 Resp: 31203
Ion Ratio Lower Upper
166 100
165 128.7 74.9 112.3#
167 42.3 10.7 16.1#

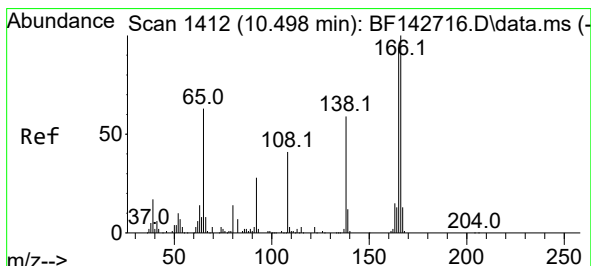
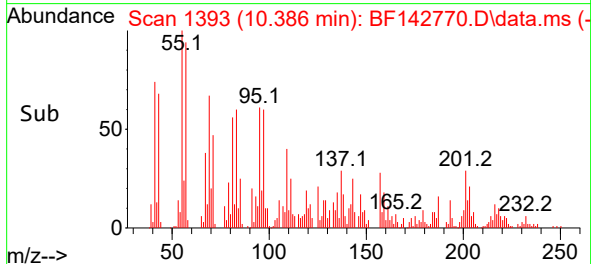
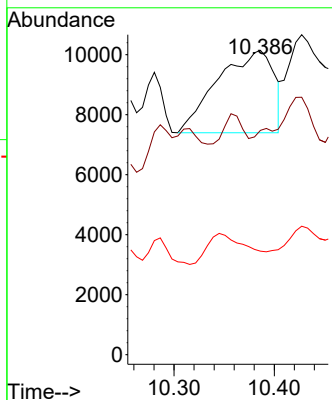
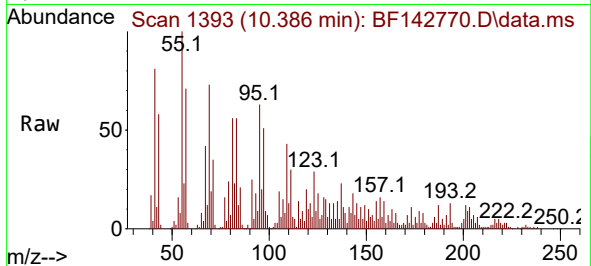




#60
Diethylphthalate
Concen: 2.105 ng
RT: 10.386 min Scan# 11
Delta R.T. 0.035 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

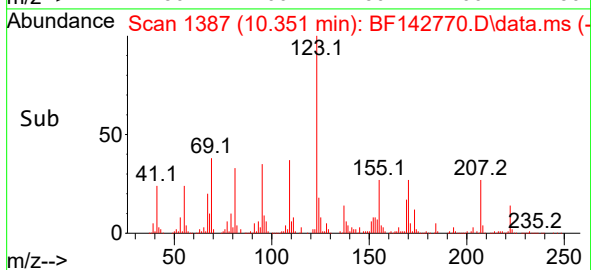
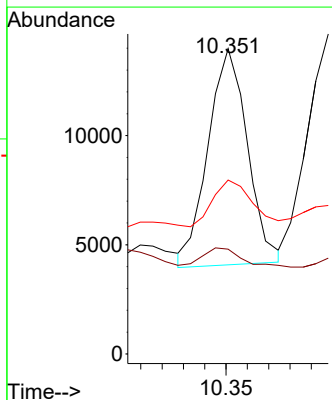
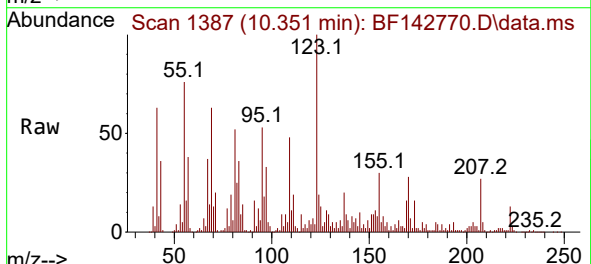
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083

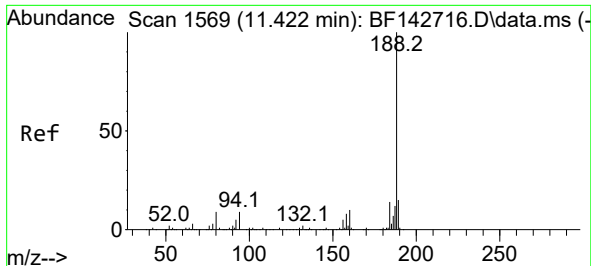
Tgt Ion:149 Resp: 10686
Ion Ratio Lower Upper
149 100
177 73.7 17.4 26.0#
150 34.0 10.0 15.0#



#62
4-Nitroaniline
Concen: 11.870 ng
RT: 10.351 min Scan# 1387
Delta R.T. -0.147 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:138 Resp: 12742
Ion Ratio Lower Upper
138 100
92 34.3 27.2 67.2
108 57.0 49.9 89.9

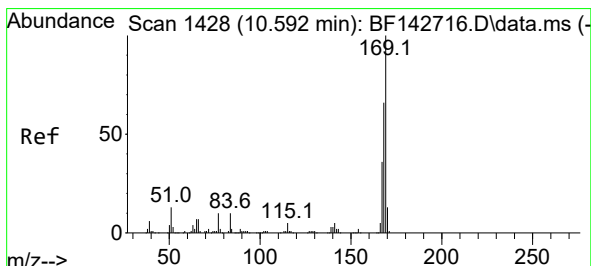
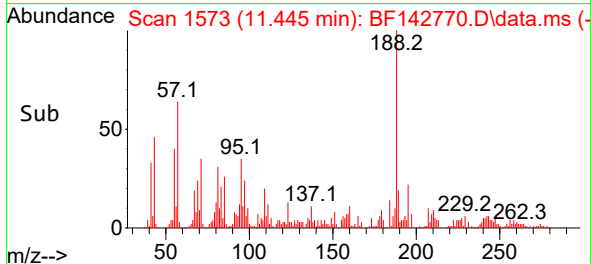
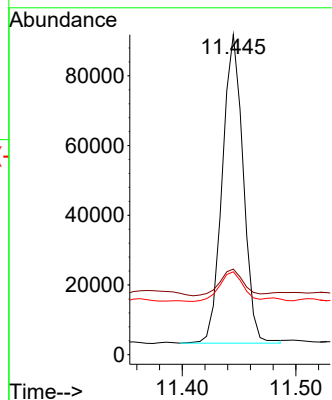
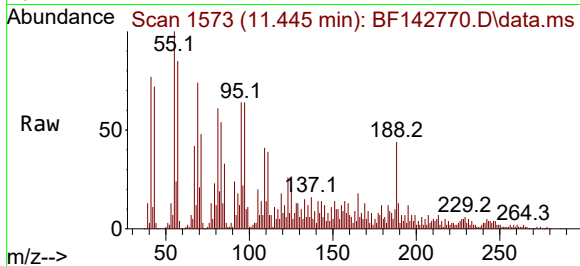




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

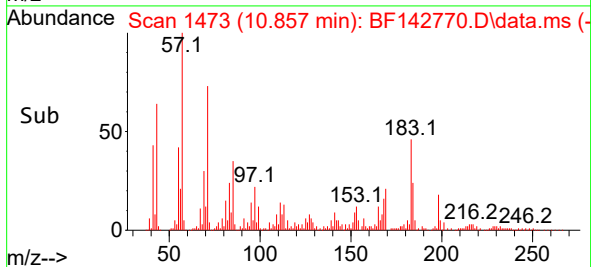
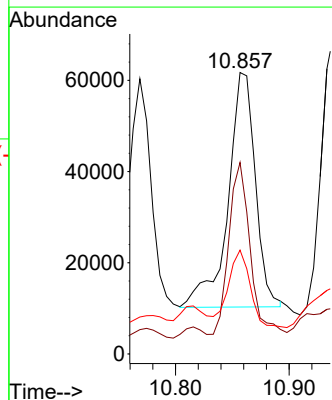
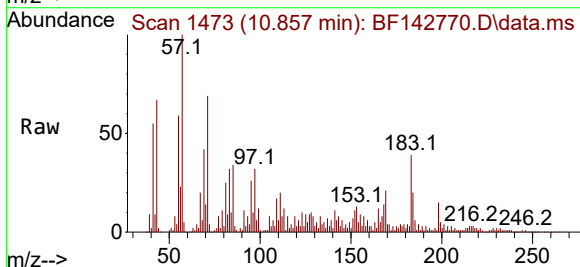
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083

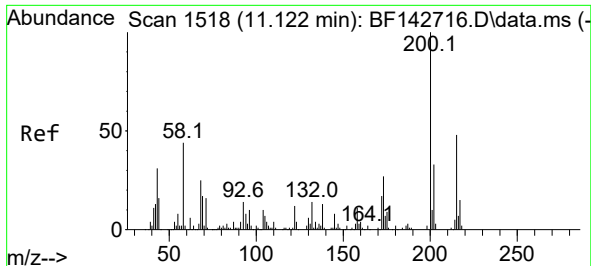
Tgt Ion:188 Resp: 113176
Ion Ratio Lower Upper
188 100
94 26.8 6.8 10.2#
80 25.9 7.1 10.7#



#66
n-Nitrosodiphenylamine
Concen: 22.132 ng
RT: 10.857 min Scan# 1473
Delta R.T. 0.264 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:169 Resp: 86098
Ion Ratio Lower Upper
169 100
168 68.0 53.0 79.4
167 36.9 28.7 43.1

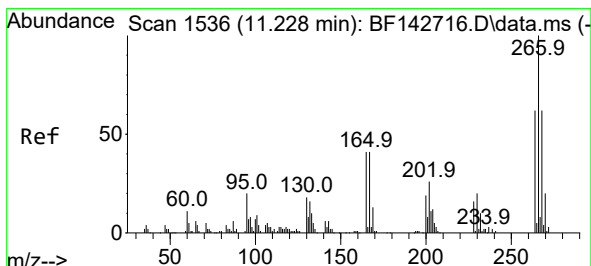
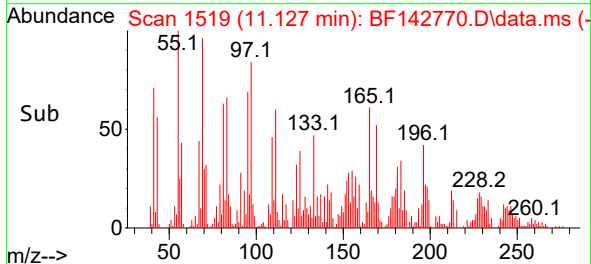
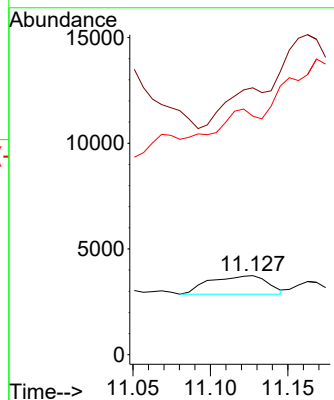
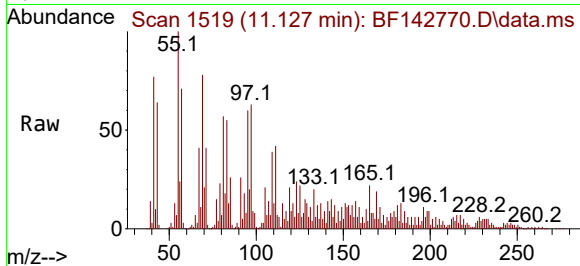




#69
Atrazine
Concen: 2.192 ng
RT: 11.127 min Scan# 1518
Delta R.T. 0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

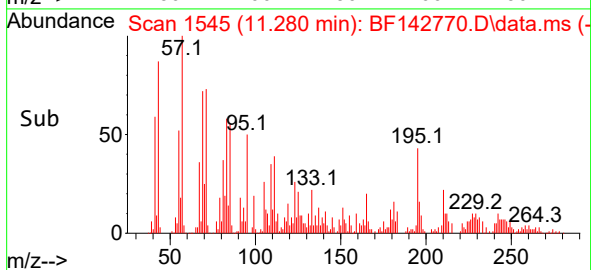
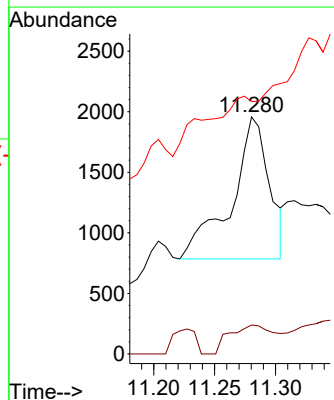
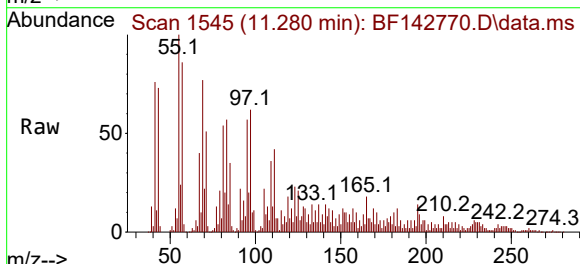
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083

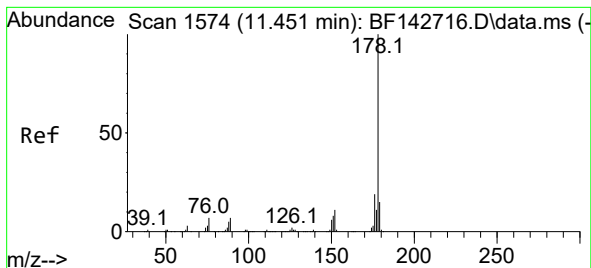
Tgt Ion:200 Resp: 2274
Ion Ratio Lower Upper
200 100
173 337.5 7.4 47.4#
215 301.7 28.2 68.2#



#70
Pentachlorophenol
Concen: 3.269 ng
RT: 11.280 min Scan# 1545
Delta R.T. 0.053 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:266 Resp: 2541
Ion Ratio Lower Upper
266 100
268 12.3 49.6 74.4#
264 106.5 49.5 74.3#





#71

Phenanthrene

Concen: 26.610 ng

RT: 11.469 min Scan# 1

Delta R.T. 0.017 min

Lab File: BF142770.D

Acq: 12 Jun 2025 21:25

Instrument :

BNA_F

ClientSampleId :

LAW-25-0082-LAW-250083

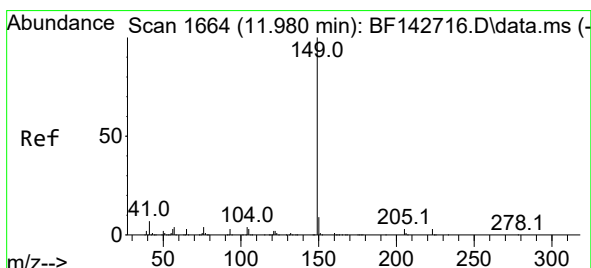
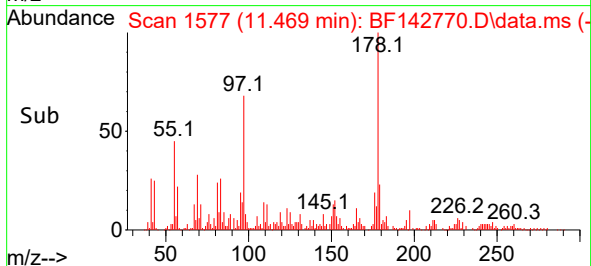
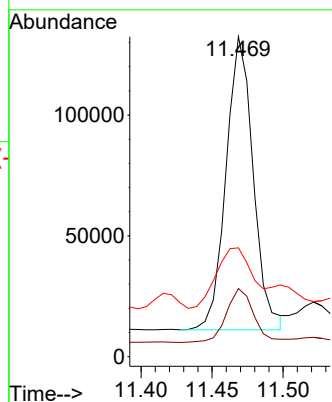
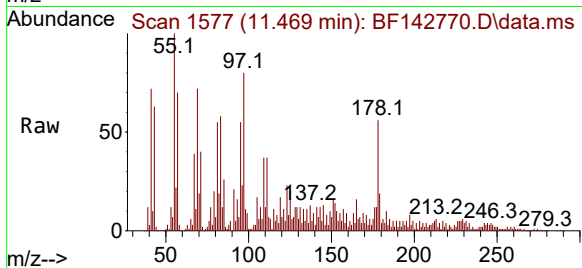
Tgt Ion:178 Resp: 161343

Ion Ratio Lower Upper

178 100

176 21.3 15.4 23.2

179 34.0 12.2 18.4#



#74

Di-n-butylphthalate

Concen: 9.468 ng

RT: 12.004 min Scan# 1668

Delta R.T. 0.023 min

Lab File: BF142770.D

Acq: 12 Jun 2025 21:25

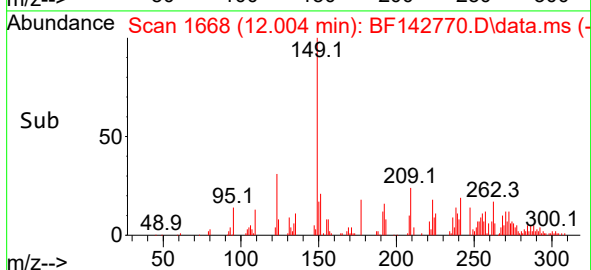
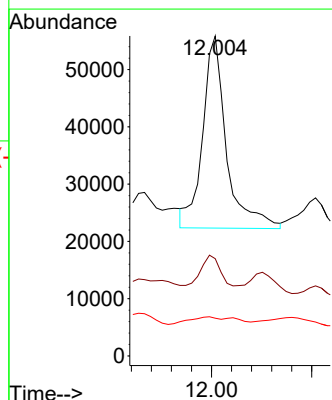
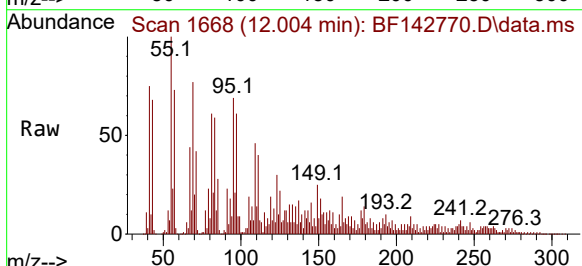
Tgt Ion:149 Resp: 55514

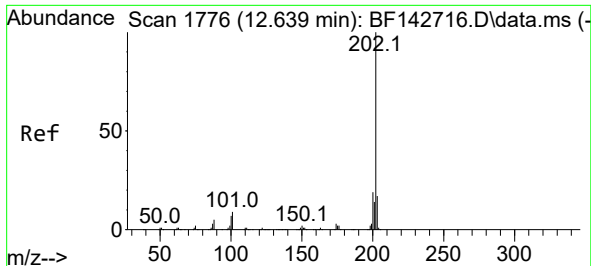
Ion Ratio Lower Upper

149 100

150 30.4 7.2 10.8#

104 11.8 3.4 5.2#

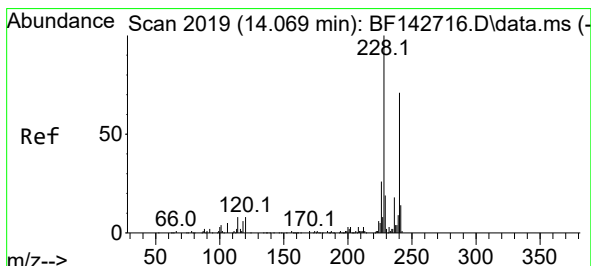
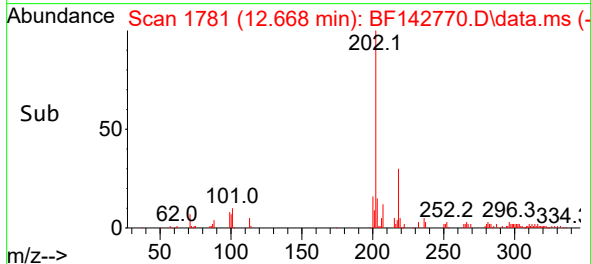
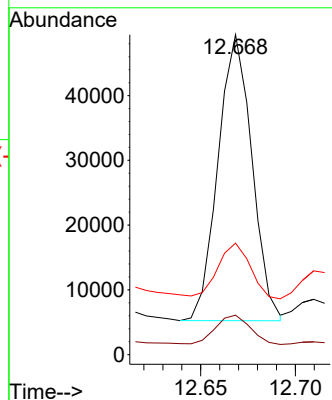
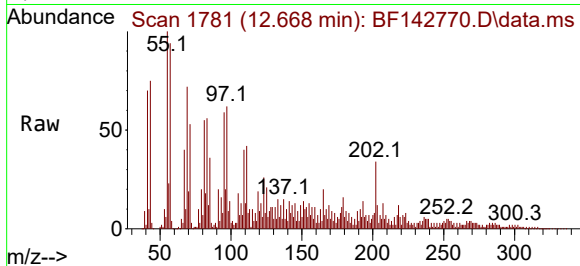




#75
Fluoranthene
Concen: 9.517 ng
RT: 12.668 min Scan# 11
Delta R.T. 0.029 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

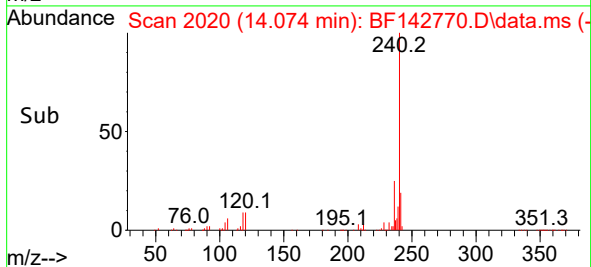
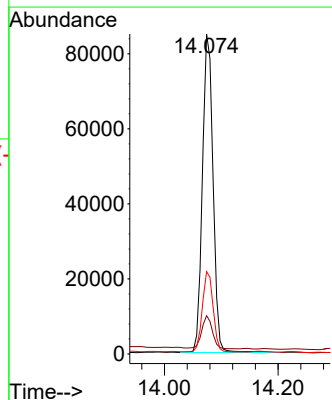
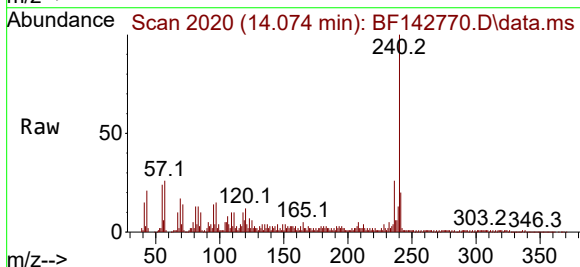
Instrument :
BNA_F
ClientSampleId :
LAW-25-0082-LAW-250083

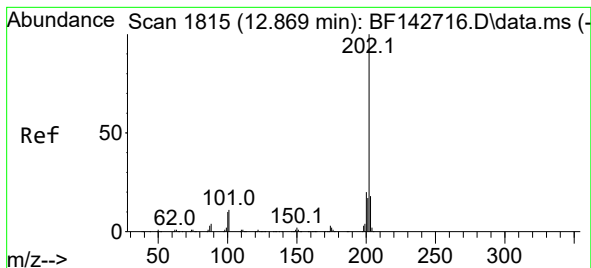
Tgt Ion:	202	Resp:	54869
Ion Ratio	Lower	Upper	
202	100		
101	12.3	0.0	29.5
203	34.9	0.0	37.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF142770.D
Acq: 12 Jun 2025 21:25

Tgt Ion:	240	Resp:	110757
Ion Ratio	Lower	Upper	
240	100		
120	11.9	8.5	12.7
236	25.7	20.1	30.1





#78

Pyrene

Concen: 3.135 ng

RT: 12.898 min Scan# 1820

Delta R.T. 0.029 min

Lab File: BF142770.D

Acq: 12 Jun 2025 21:25

Instrument :

BNA_F

ClientSampleId :

LAW-25-0082-LAW-250083

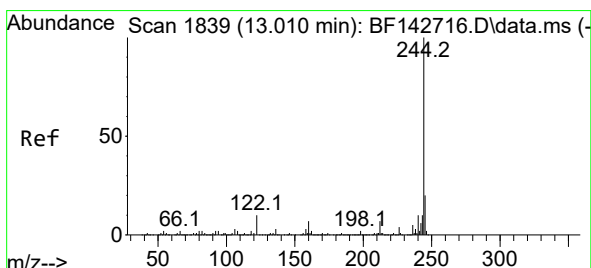
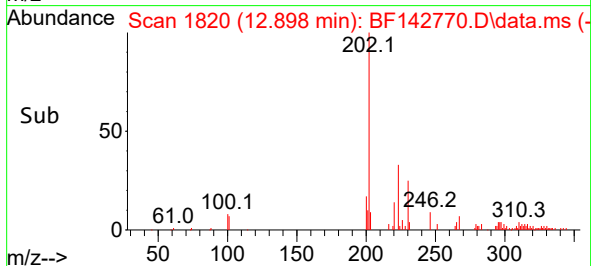
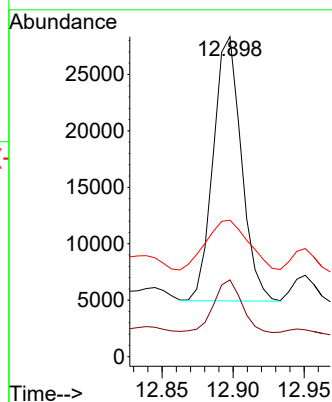
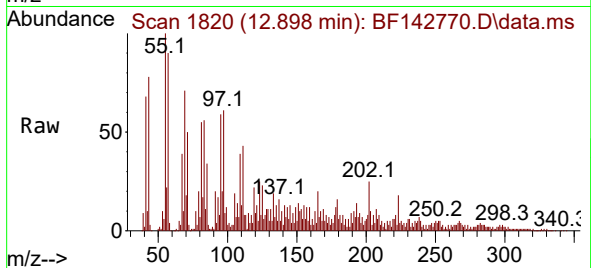
Tgt Ion:202 Resp: 32263

Ion Ratio Lower Upper

202 100

200 24.0 15.8 23.8#

203 42.7 14.1 21.1#



#79

Terphenyl-d14

Concen: 4.195 ng

RT: 13.027 min Scan# 1842

Delta R.T. 0.017 min

Lab File: BF142770.D

Acq: 12 Jun 2025 21:25

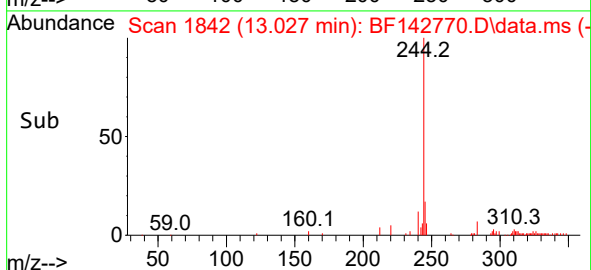
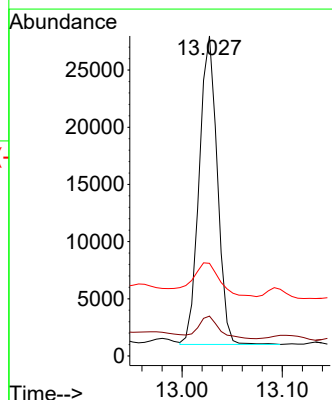
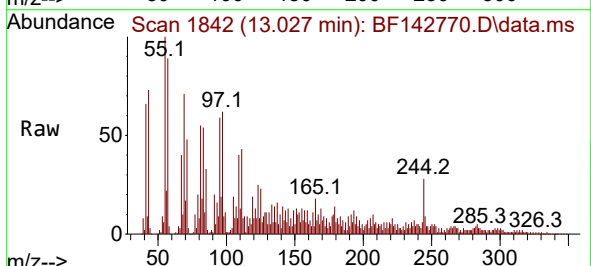
Tgt Ion:244 Resp: 33827

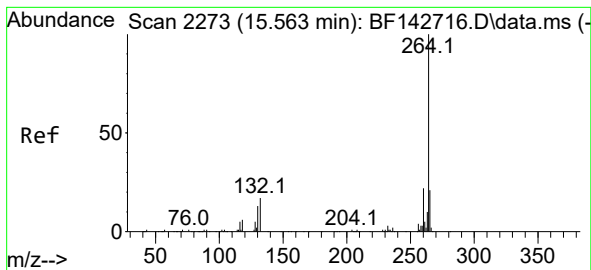
Ion Ratio Lower Upper

244 100

212 12.5 5.4 8.0#

122 29.0 8.3 12.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF142770.D

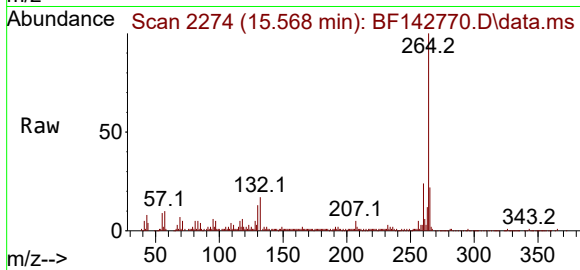
Acq: 12 Jun 2025 21:25

Instrument :

BNA_F

ClientSampleId :

LAW-25-0082-LAW-250083



Tgt Ion:264 Resp: 82631

Ion Ratio Lower Upper

264 100

260 23.6 17.8 26.6

265 21.6 16.6 25.0

