

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052325\
 Data File : BF142550.D
 Acq On : 23 May 2025 22:21
 Operator : RC/JU
 Sample : Q2102-01 10X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0077

Quant Time: May 23 22:56:17 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF052025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 20 16:26:47 2025
 Response via : Initial Calibration

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

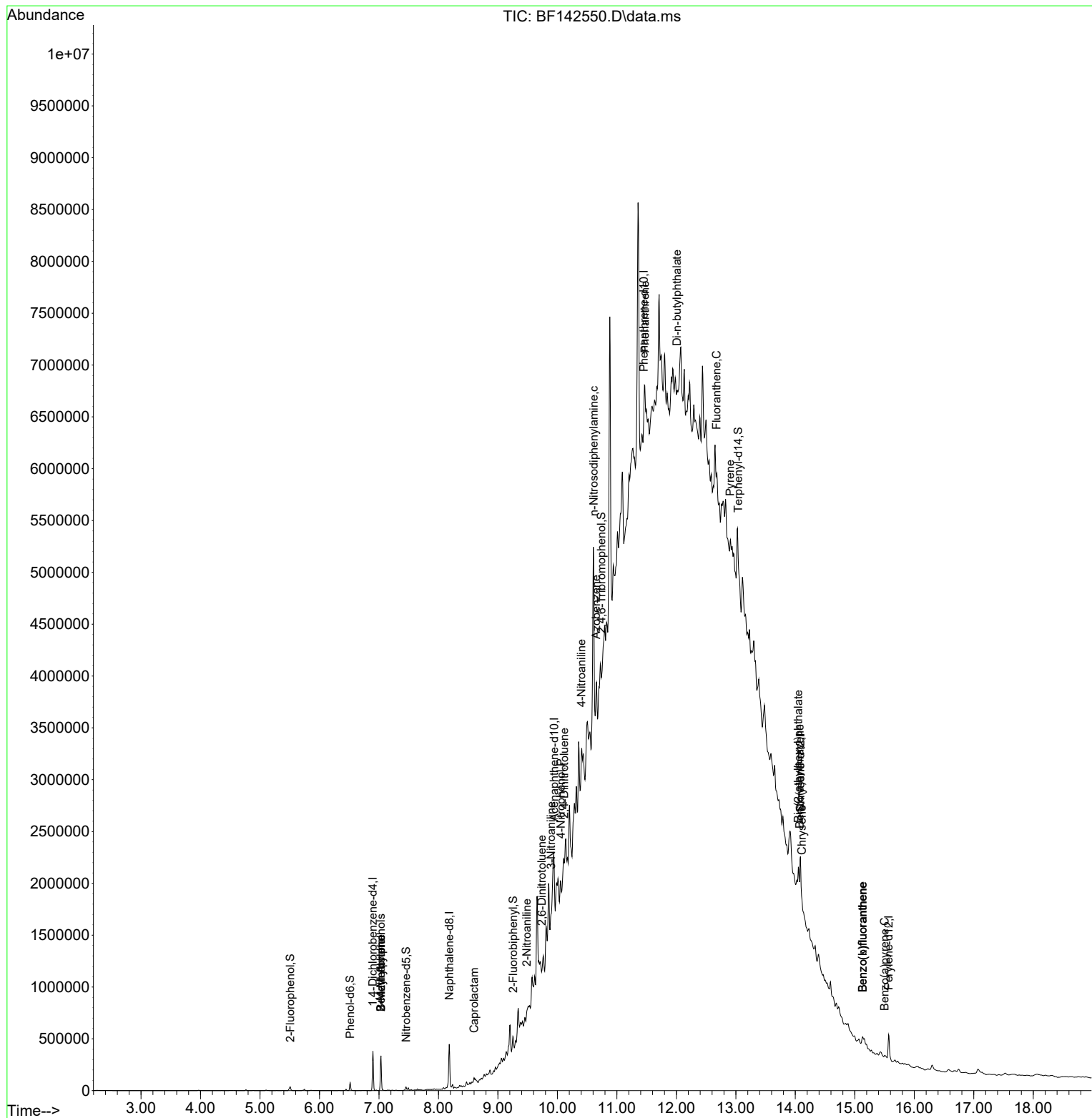
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.898	152	80177	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	261453	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	116899	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	160535	20.000	ng	# 0.02
76) Chrysene-d12	14.086	240	185993	20.000	ng	# 0.01
86) Perylene-d12	15.568	264	144535	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	14769	3.103	ng	0.00
7) Phenol-d6	6.516	99	21935	3.829	ng	-0.02
23) Nitrobenzene-d5	7.457	82	14972	3.123	ng	-0.02
42) 2,4,6-Tribromophenol	10.739	330	6455	4.975	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	37839	4.343	ng	-0.01
79) Terphenyl-d14	13.039	244	41299	3.034	ng	0.02
Target Compounds						
						Qvalue
15) Benzyl Alcohol	7.034	79	88887	20.996	ng	99
17) 2-Methylphenol	7.034	107	49945	12.341	ng	# 20
20) 3+4-Methylphenols	7.034	107	46972	9.063	ng	# 43
35) Caprolactam	8.598	113	2195	2.109	ng	# 1
48) 2-Nitroaniline	9.486	65	4224	2.181	ng	# 2
51) 2,6-Dinitrotoluene	9.739	165	3529	2.120	ng	# 39
53) 3-Nitroaniline	9.892	138	5675	3.121	ng	# 42
56) 4-Nitrophenol	10.057	139	4876	3.634	ng	# 1
57) 2,4-Dinitrotoluene	10.116	165	5223	2.402	ng	# 52
62) 4-Nitroaniline	10.404	138	18614	11.287	ng	99
63) Azobenzene	10.651	77	15974	2.361	ng	# 38
66) n-Nitrosodiphenylamine	10.610	169	44698	8.138	ng	# 57
71) Phenanthrene	11.474	178	37351	4.354	ng	# 1
74) Di-n-butylphthalate	12.010	149	49687	6.064	ng	# 21
75) Fluoranthene	12.674	202	63655	7.941	ng	69
78) Pyrene	12.904	202	54686	3.152	ng	# 70
81) Benzo(a)anthracene	14.074	228	35237	2.837	ng	# 87
83) Chrysene	14.110	228	32537	2.916	ng	# 86
84) Bis(2-ethylhexyl)phtha...	14.051	149	134829	21.969	ng	# 94
88) Benzo(b)fluoranthene	15.133	252	48360	5.653	ng	# 72
89) Benzo(k)fluoranthene	15.133	252	48360	6.036	ng	# 72
90) Benzo(a)pyrene	15.504	252	17817	2.210	ng	# 72

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

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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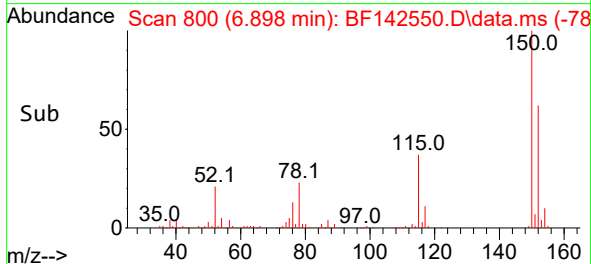
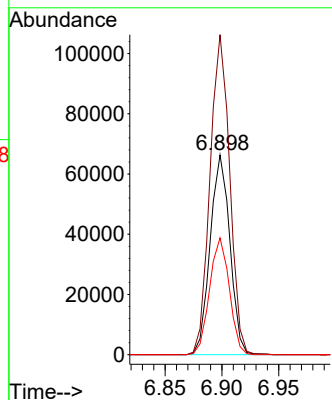
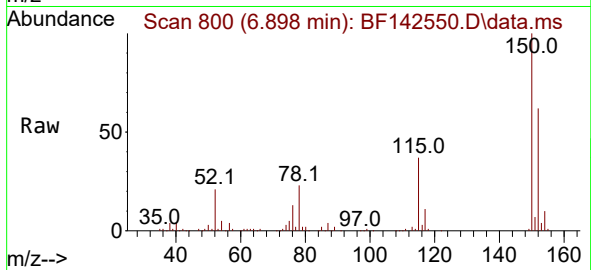




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

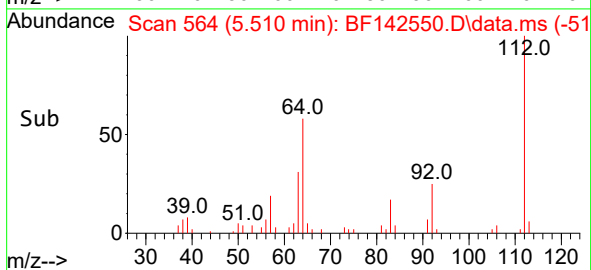
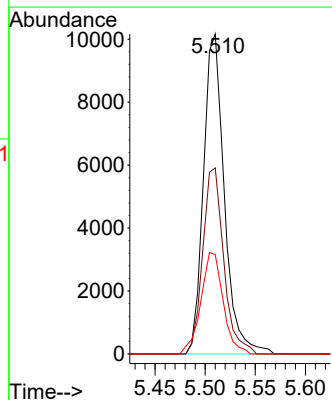
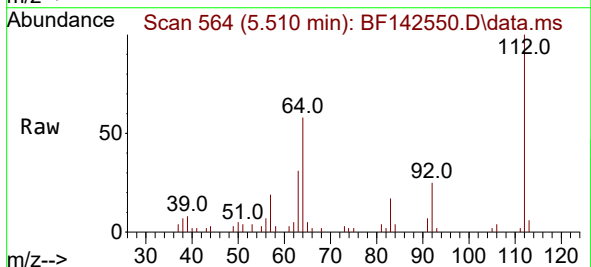
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077

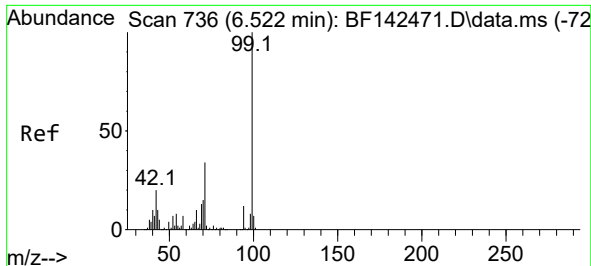
Tgt Ion:152 Resp: 80177
Ion Ratio Lower Upper
152 100
150 160.2 128.2 192.4
115 58.5 48.3 72.5



#5
2-Fluorophenol
Concen: 3.103 ng
RT: 5.510 min Scan# 564
Delta R.T. -0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion:112 Resp: 14769
Ion Ratio Lower Upper
112 100
64 58.2 47.5 71.3
63 31.1 24.9 37.3

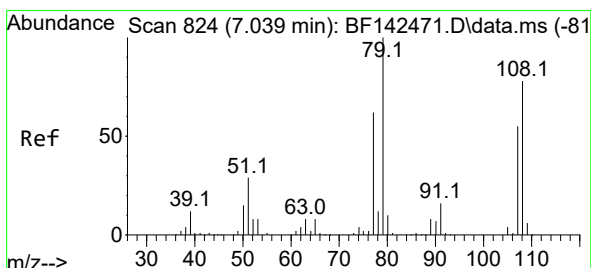
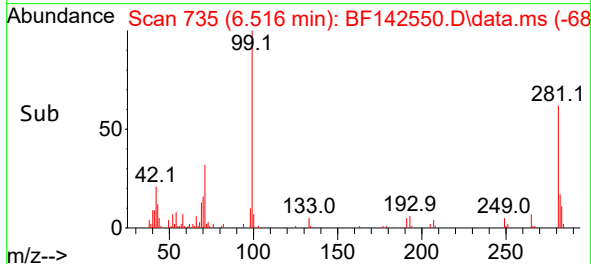
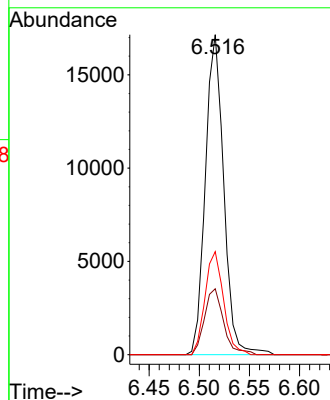
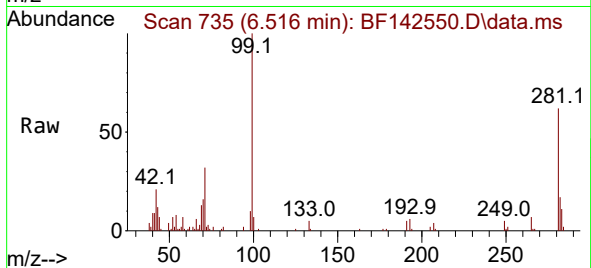




#7
Phenol-d6
Concen: 3.829 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.018 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

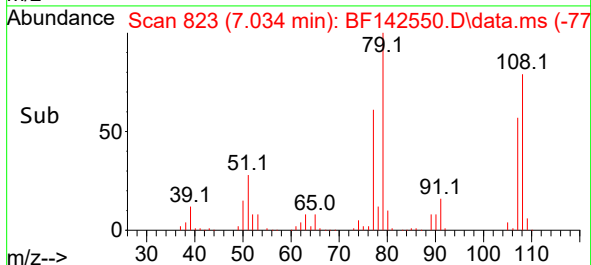
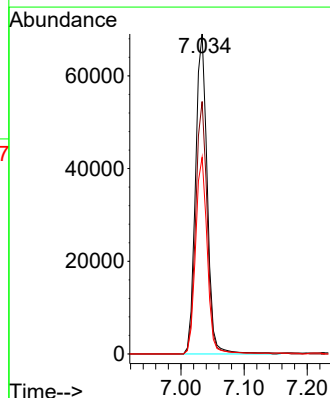
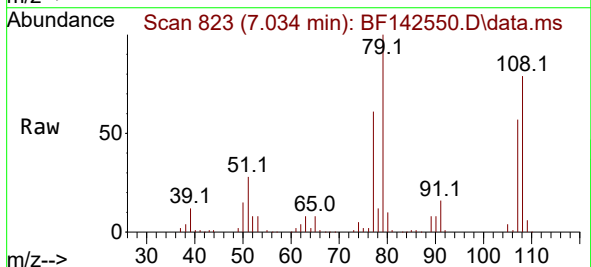
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077

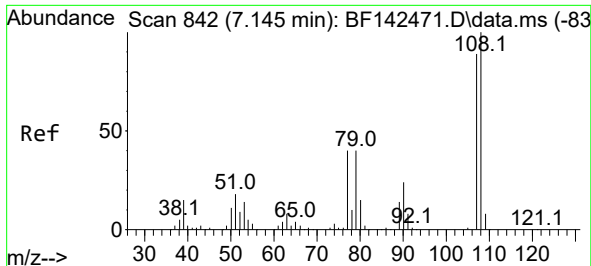
Tgt Ion: 99 Resp: 21935
Ion Ratio Lower Upper
99 100
42 20.6 16.2 24.2
71 32.2 27.3 40.9



#15
Benzyl Alcohol
Concen: 20.996 ng
RT: 7.034 min Scan# 823
Delta R.T. -0.012 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion: 79 Resp: 88887
Ion Ratio Lower Upper
79 100
108 78.9 62.1 93.1
77 61.4 49.5 74.3

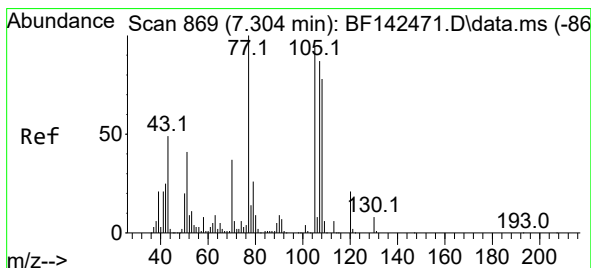
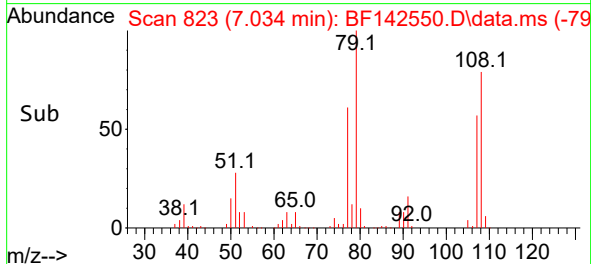
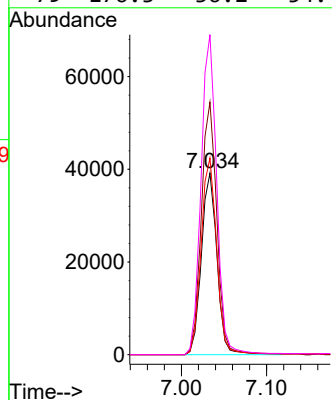
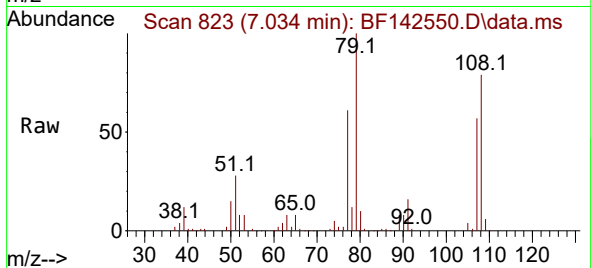




#17
2-Methylphenol
Concen: 12.341 ng
RT: 7.034 min Scan# 81
Delta R.T. -0.118 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

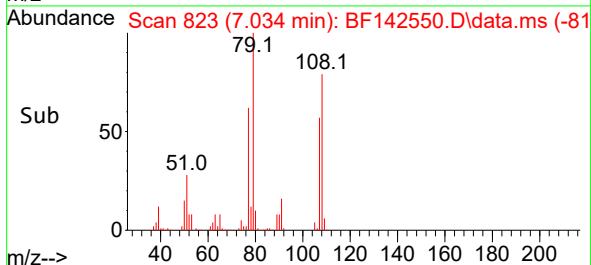
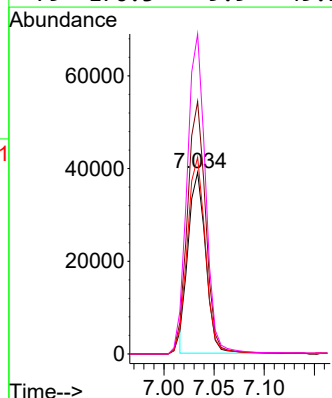
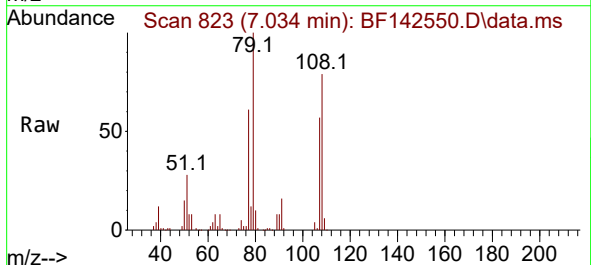
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077

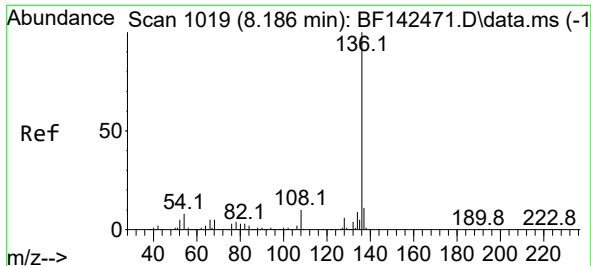
Tgt Ion:107 Resp: 49945
Ion Ratio Lower Upper
107 100
108 139.1 90.2 135.2#
77 108.3 36.1 54.1#
79 176.3 36.2 54.4#



#20
3+4-Methylphenols
Concen: 9.063 ng
RT: 7.034 min Scan# 823
Delta R.T. -0.276 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion:107 Resp: 46972
Ion Ratio Lower Upper
107 100
108 139.1 70.4 110.4#
77 108.3 95.4 135.4
79 176.3 9.9 49.9#

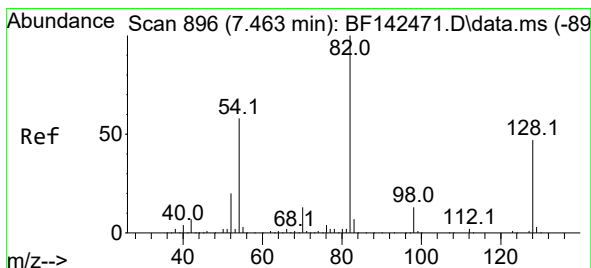
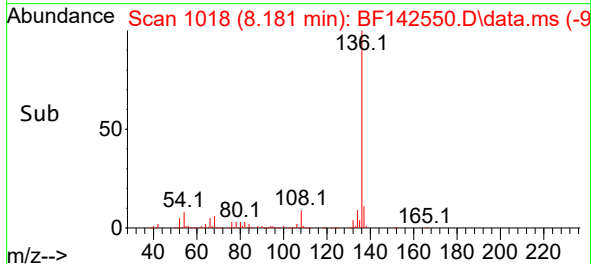
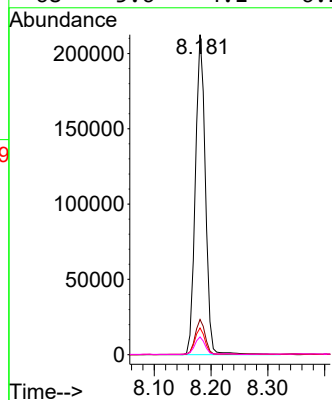
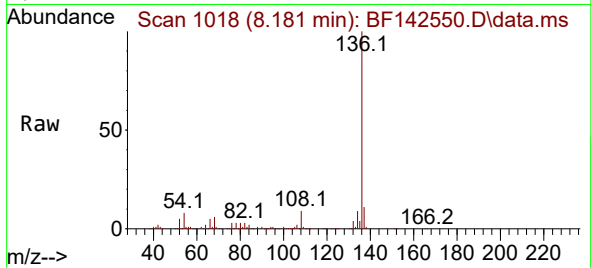




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

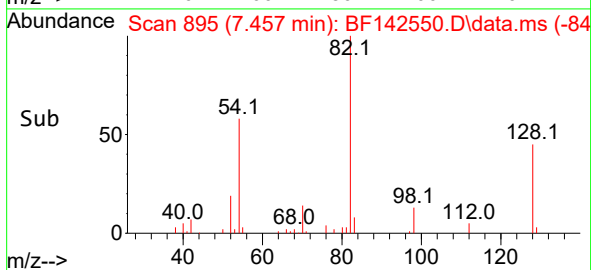
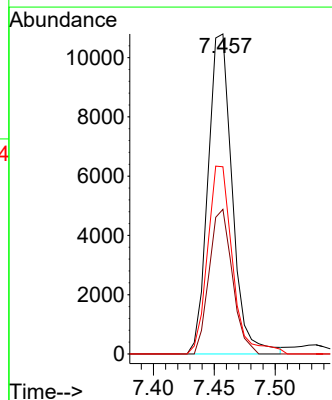
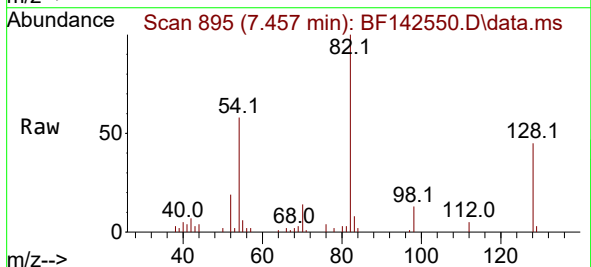
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077

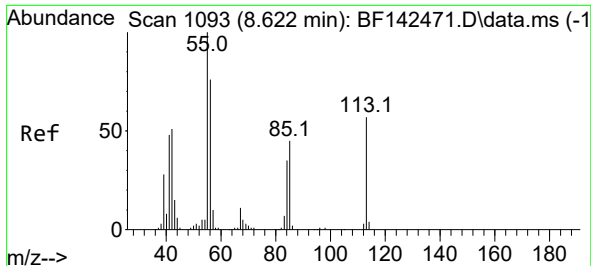
Tgt Ion:136 Resp: 261453
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 8.4 6.6 10.0
68 5.6 4.1 6.1



#23
Nitrobenzene-d5
Concen: 3.123 ng
RT: 7.457 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion: 82 Resp: 14972
Ion Ratio Lower Upper
82 100
128 45.2 37.4 56.2
54 58.5 46.6 70.0

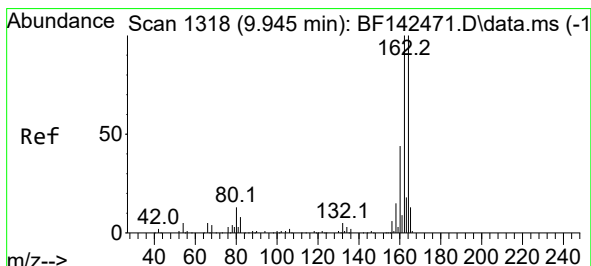
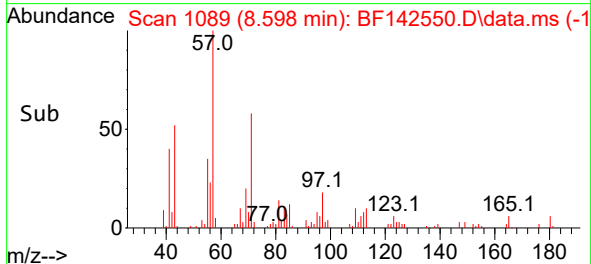
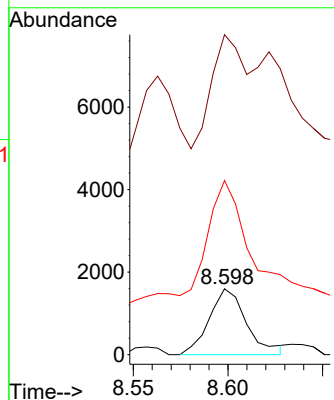
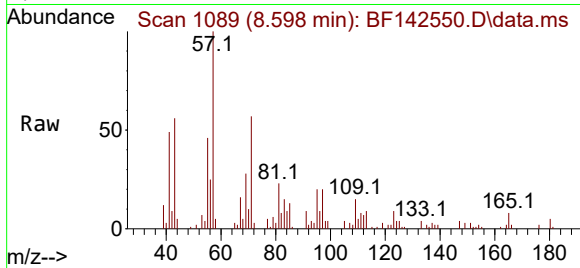




#35
 Caprolactam
 Concen: 2.109 ng
 RT: 8.598 min Scan# 1089
 Delta R.T. -0.047 min
 Lab File: BF142550.D
 Acq: 23 May 2025 22:21

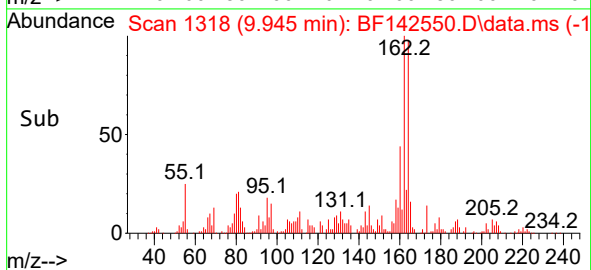
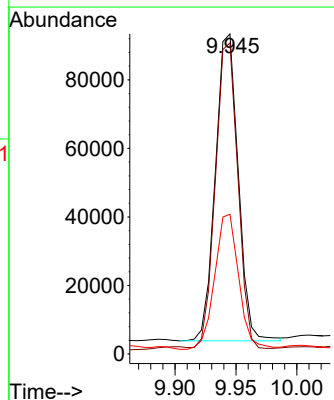
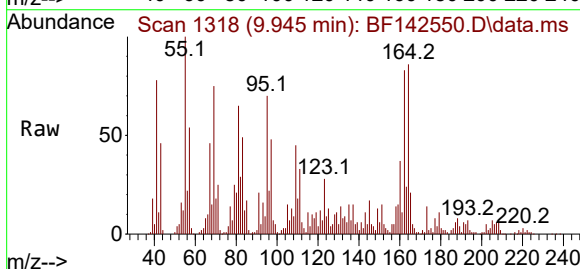
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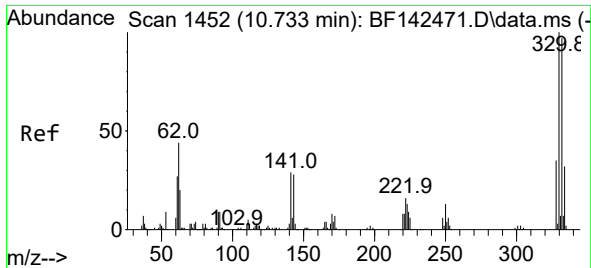
Tgt Ion:113 Resp: 2195
 Ion Ratio Lower Upper
 113 100
 55 485.0 154.7 194.7#
 56 264.0 113.2 153.2#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.945 min Scan# 1318
 Delta R.T. 0.000 min
 Lab File: BF142550.D
 Acq: 23 May 2025 22:21

Tgt Ion:164 Resp: 116899
 Ion Ratio Lower Upper
 164 100
 162 97.2 80.2 120.4
 160 43.6 35.6 53.4

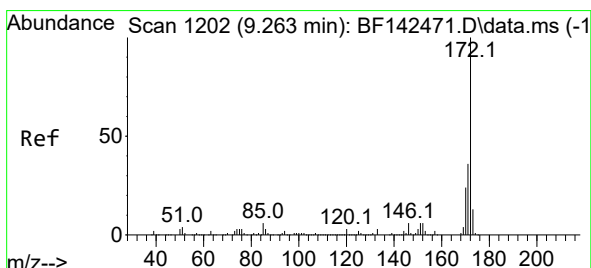
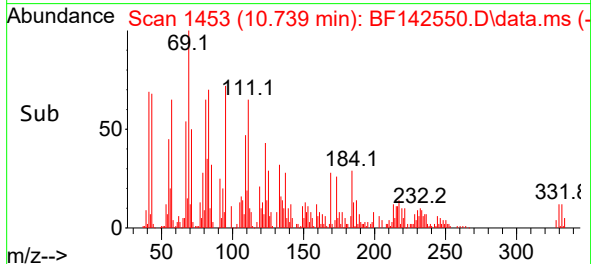
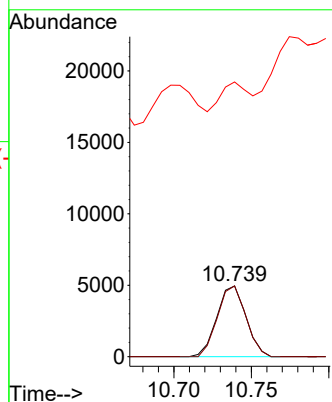
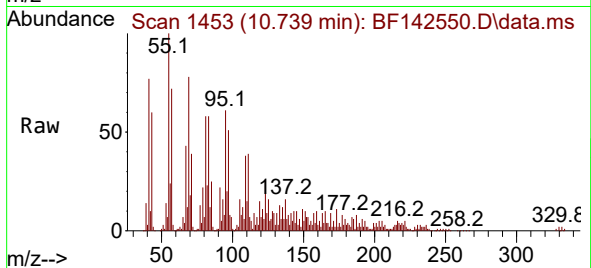




#42
2,4,6-Tribromophenol
Concen: 4.975 ng
RT: 10.739 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

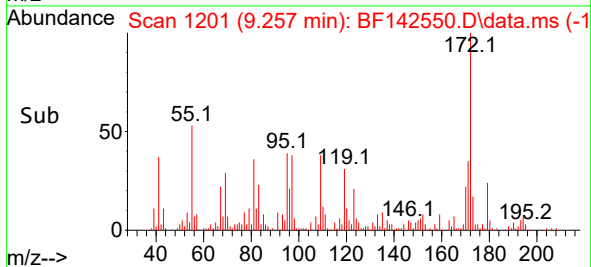
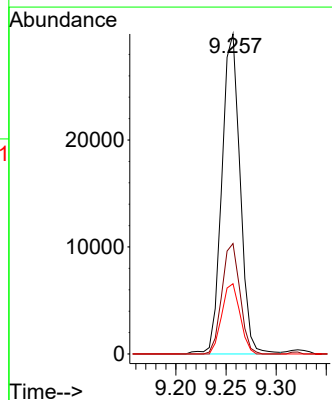
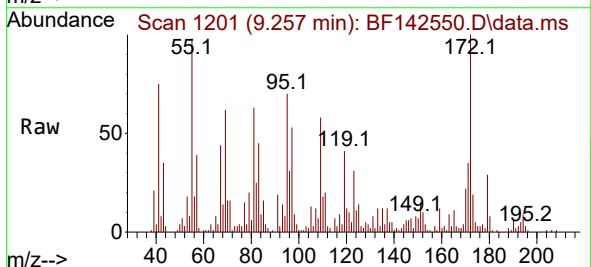
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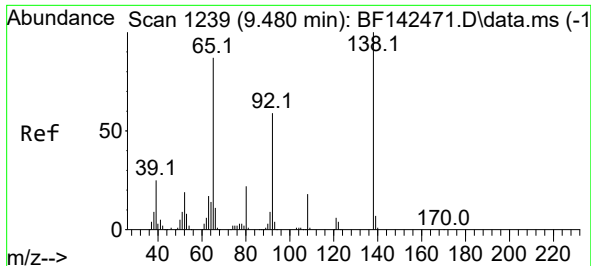
Tgt Ion: 330 Resp: 6455
Ion Ratio Lower Upper
330 100
332 97.6 77.6 116.4
141 38.8 24.6 36.8#



#45
2-Fluorobiphenyl
Concen: 4.343 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.012 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion: 172 Resp: 37839
Ion Ratio Lower Upper
172 100
171 34.5 28.6 42.8
170 21.9 18.9 28.3

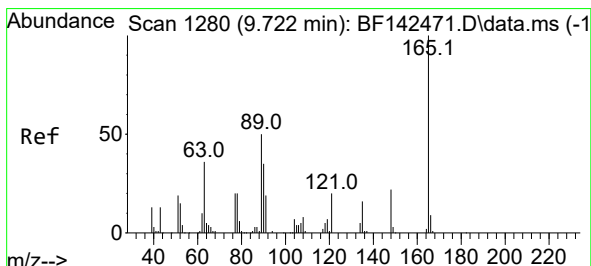
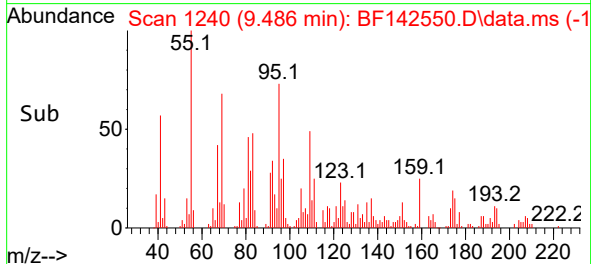
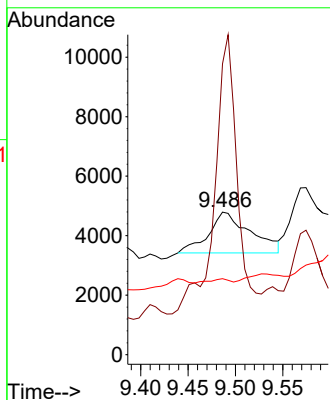
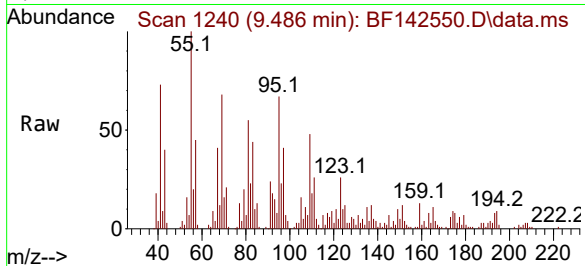




#48
2-Nitroaniline
Concen: 2.181 ng
RT: 9.486 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

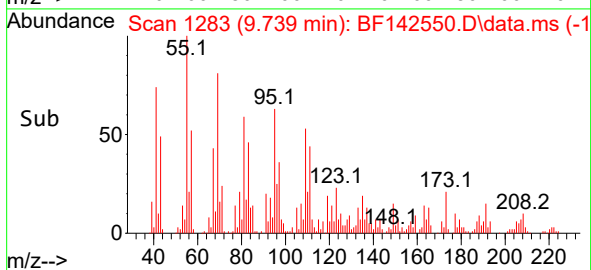
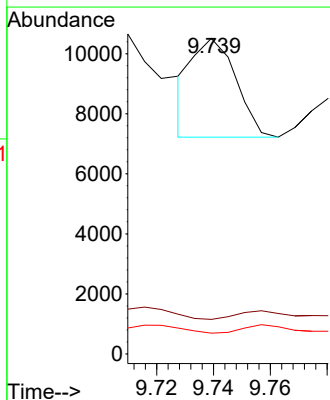
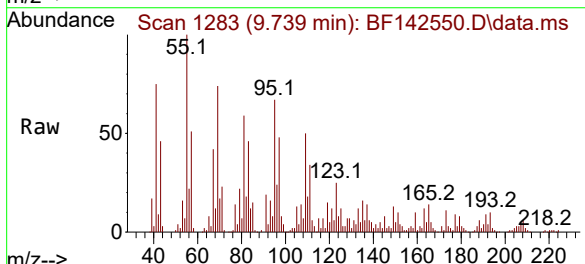
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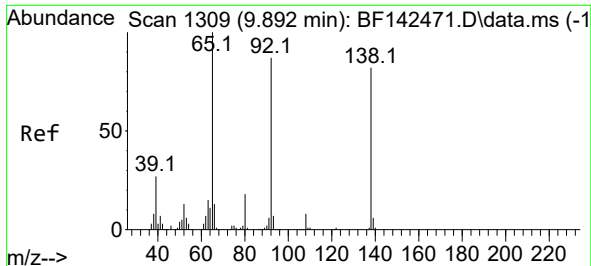
Tgt Ion: 65 Resp: 4224
Ion Ratio Lower Upper
65 100
92 204.1 54.4 81.6#
138 53.3 91.4 137.2#



#51
2,6-Dinitrotoluene
Concen: 2.120 ng
RT: 9.739 min Scan# 1283
Delta R.T. 0.012 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion:165 Resp: 3529
Ion Ratio Lower Upper
165 100
63 11.0 42.9 64.3#
89 6.6 40.2 60.4#

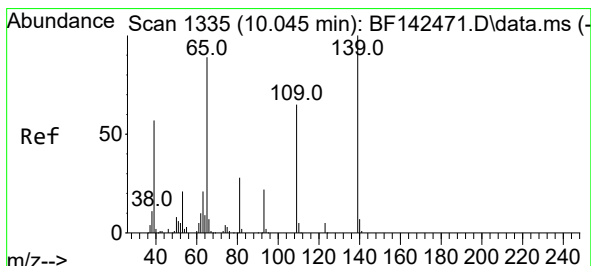
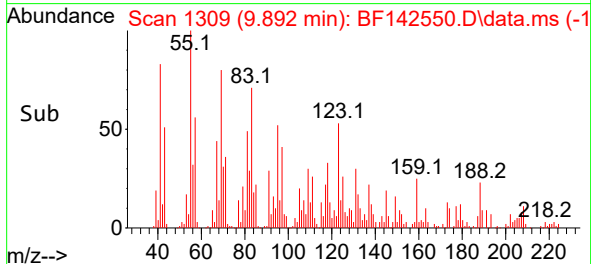
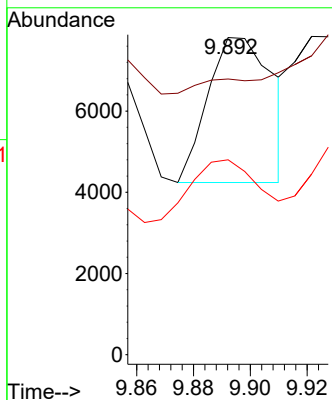
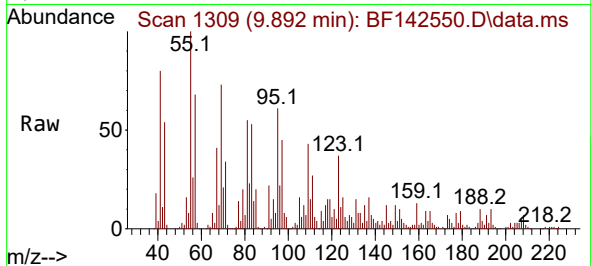




#53
3-Nitroaniline
Concen: 3.121 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

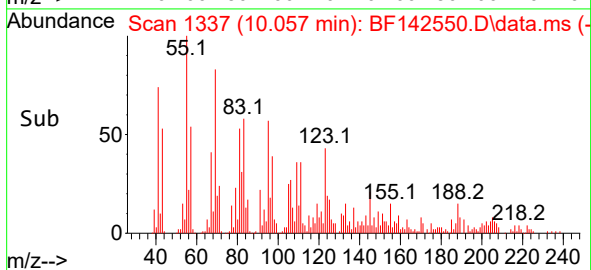
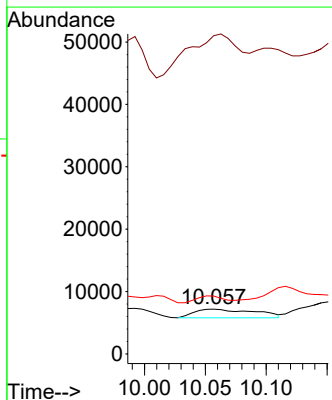
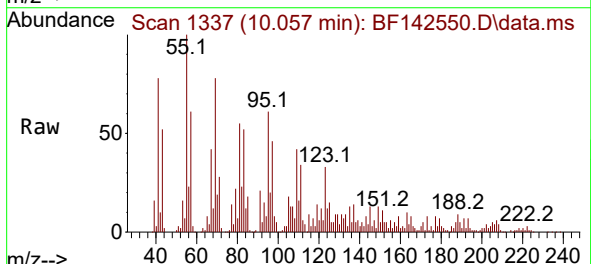
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077

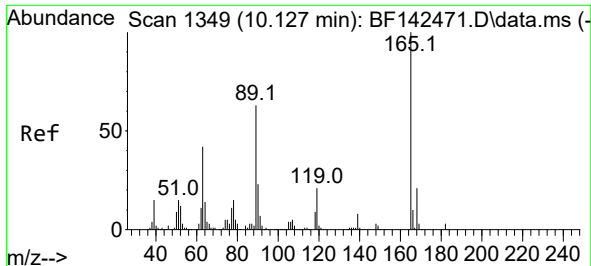
Tgt Ion:138 Resp: 5675
Ion Ratio Lower Upper
138 100
108 86.9 8.1 12.1#
92 61.5 85.2 127.8#



#56
4-Nitrophenol
Concen: 3.634 ng
RT: 10.057 min Scan# 1337
Delta R.T. 0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion:139 Resp: 4876
Ion Ratio Lower Upper
139 100
109 709.3 45.1 85.1#
65 129.2 69.7 109.7#

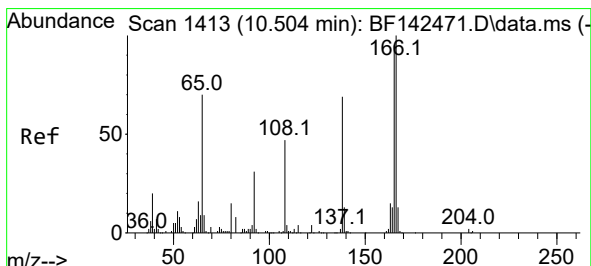
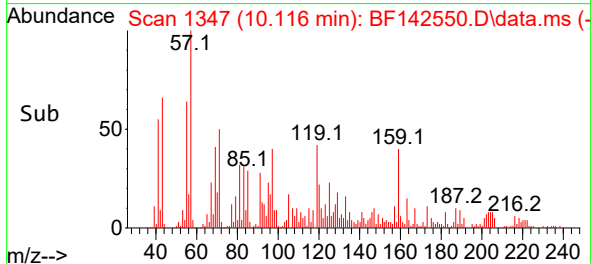
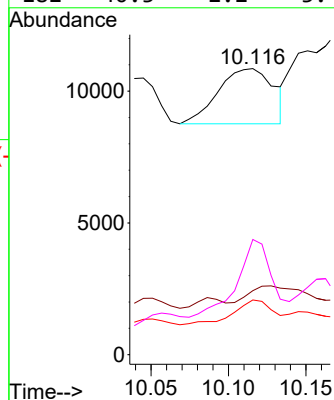
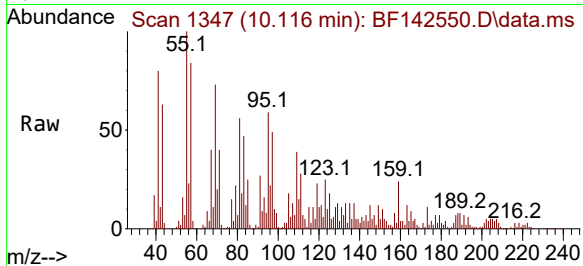




#57
2,4-Dinitrotoluene
Concen: 2.402 ng
RT: 10.116 min Scan# 1347
Delta R.T. -0.018 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

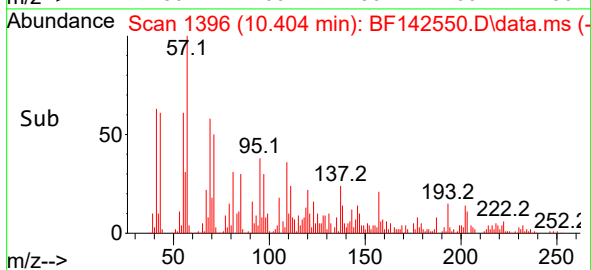
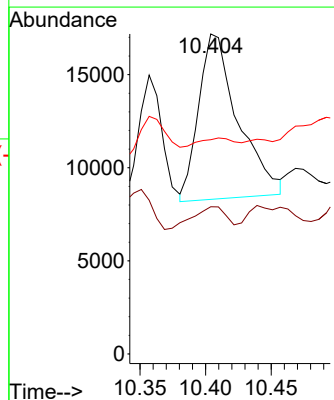
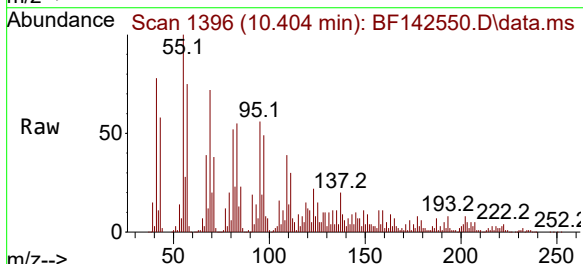
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077

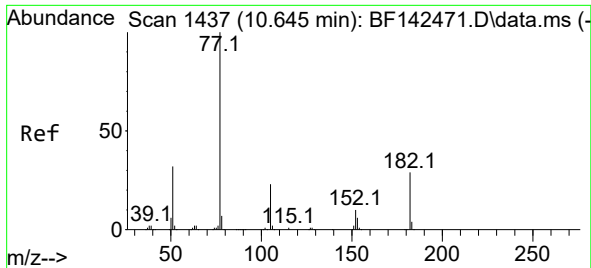
Tgt Ion:165 Resp: 5223
Ion Ratio Lower Upper
165 100
63 22.4 33.6 50.4#
89 19.1 50.2 75.4#
182 40.3 2.2 3.4#



#62
4-Nitroaniline
Concen: 11.287 ng
RT: 10.404 min Scan# 1396
Delta R.T. -0.112 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion:138 Resp: 18614
Ion Ratio Lower Upper
138 100
92 46.0 26.0 66.0
108 67.0 48.4 88.4

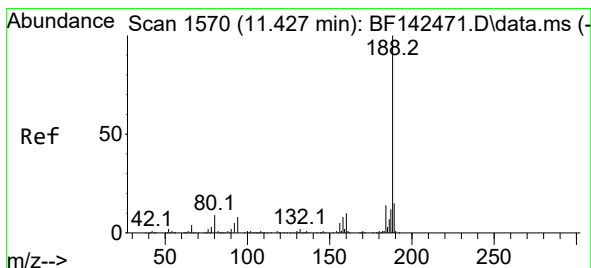
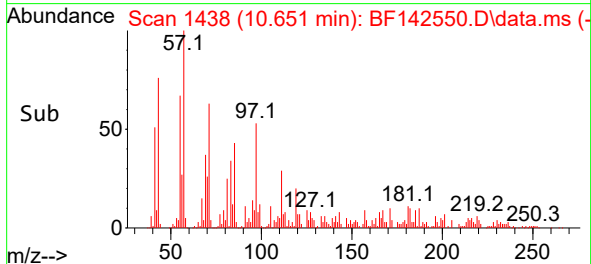
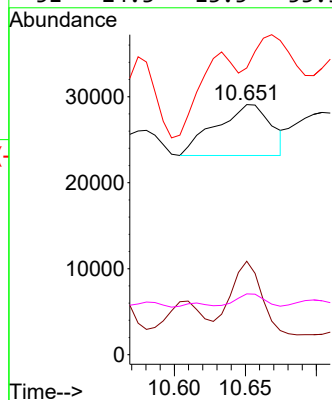
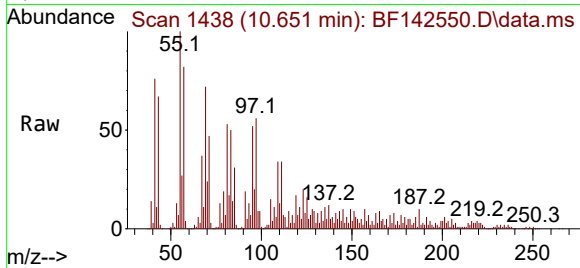




#63
Azobenzene
Concen: 2.361 ng
RT: 10.651 min Scan# 1437
Delta R.T. 0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

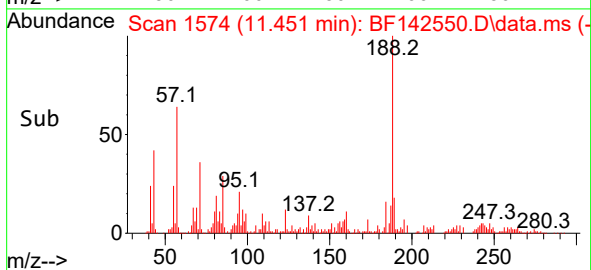
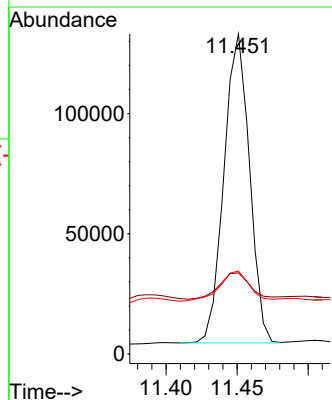
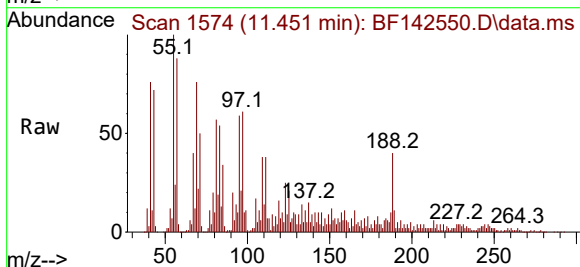
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077

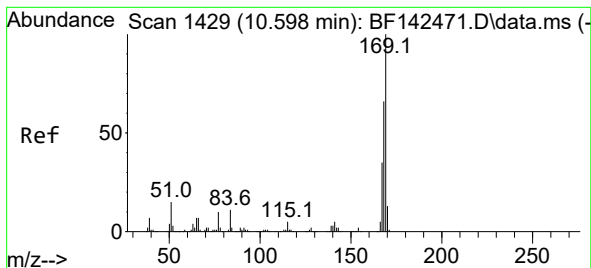
Tgt Ion: 77	Resp: 15974
Ion Ratio	Lower Upper
77	100
182	37.4 9.0 49.0
105	114.7 2.4 42.4#
51	24.3 13.5 53.5



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. 0.018 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion: 188	Resp: 160535
Ion Ratio	Lower Upper
188	100
94	25.4 6.6 10.0#
80	25.9 7.4 11.0#

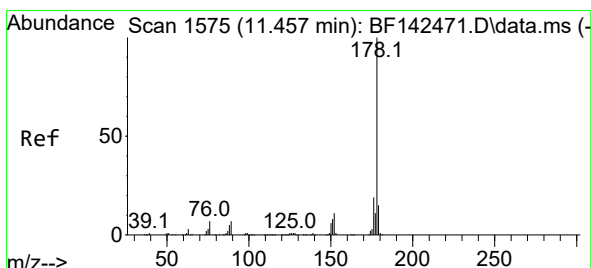
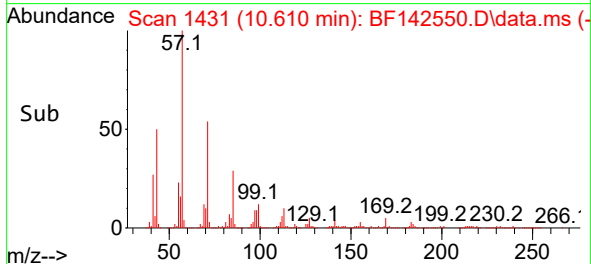
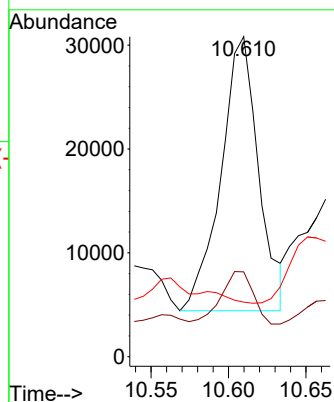
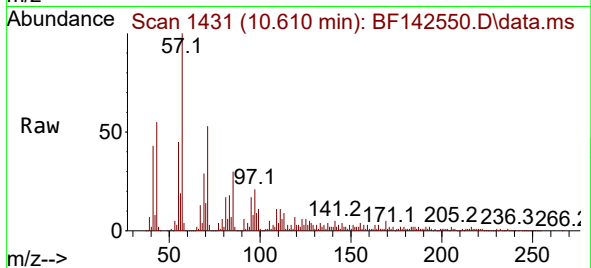




#66
n-Nitrosodiphenylamine
Concen: 8.138 ng
RT: 10.610 min Scan# 1429
Delta R.T. 0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

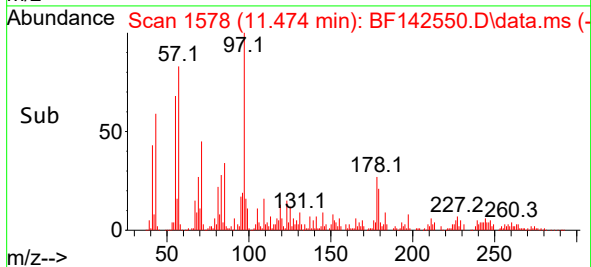
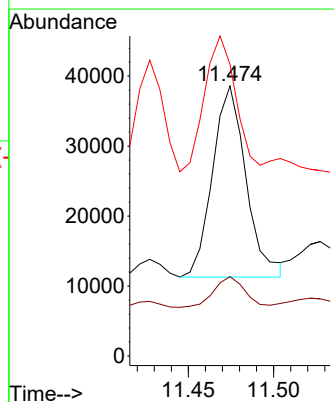
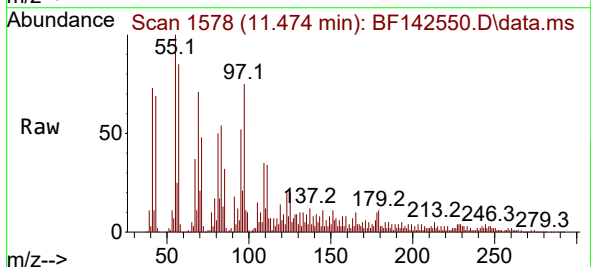
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077

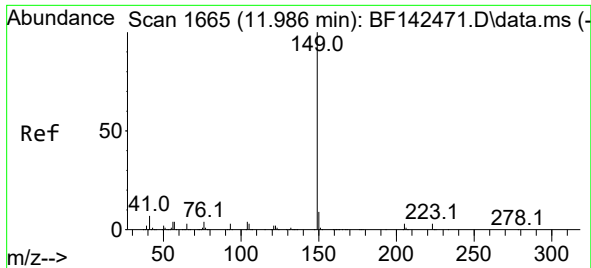
Tgt Ion:169 Resp: 44698
Ion Ratio Lower Upper
169 100
168 26.5 52.7 79.1#
167 17.1 28.3 42.5#



#71
Phenanthrene
Concen: 4.354 ng
RT: 11.474 min Scan# 1578
Delta R.T. 0.018 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion:178 Resp: 37351
Ion Ratio Lower Upper
178 100
176 29.4 15.4 23.0#
179 108.1 12.3 18.5#

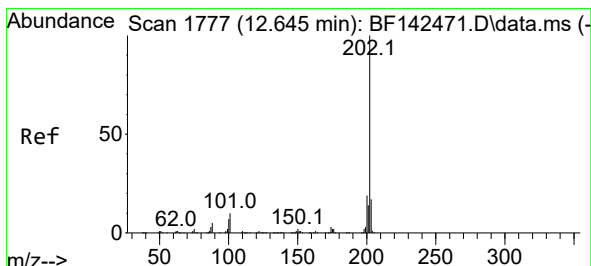
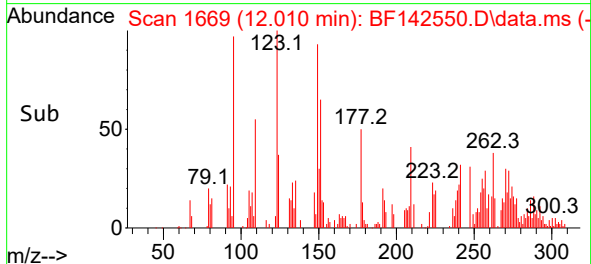
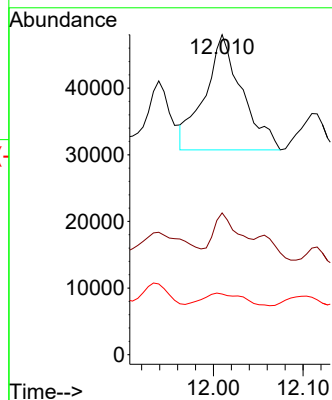
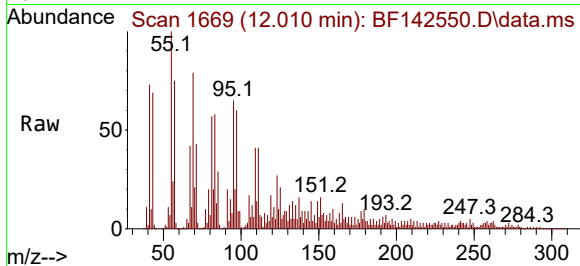




#74
Di-n-butylphthalate
Concen: 6.064 ng
RT: 12.010 min Scan# 1782
Delta R.T. 0.018 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

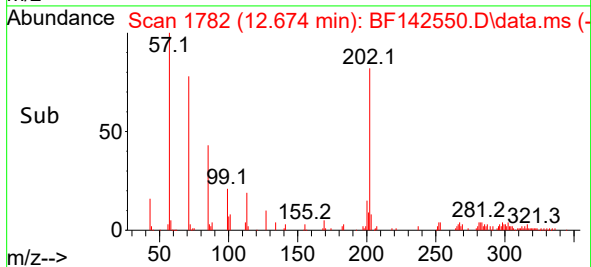
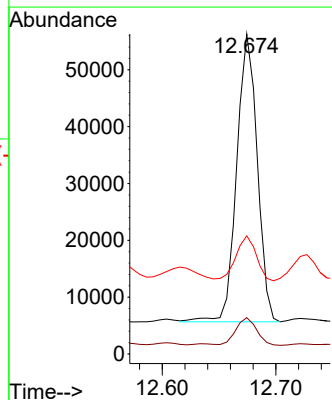
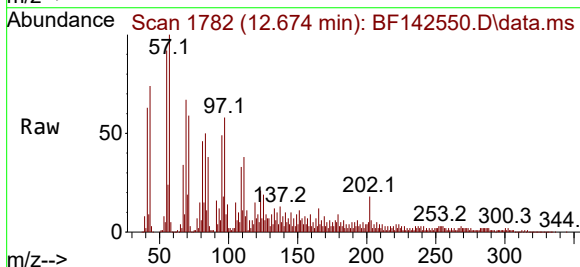
Instrument :
BNA_F
ClientSampleId :
LAW-25-0077

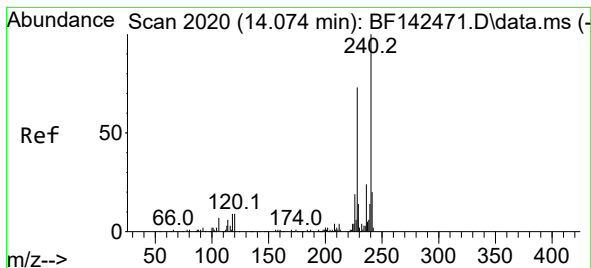
Tgt Ion:149 Resp: 49687
Ion Ratio Lower Upper
149 100
150 44.3 7.3 10.9#
104 19.0 3.6 5.4#



#75
Fluoranthene
Concen: 7.941 ng
RT: 12.674 min Scan# 1782
Delta R.T. 0.029 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion:202 Resp: 63655
Ion Ratio Lower Upper
202 100
101 11.3 0.0 29.6
203 36.9 0.0 37.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.012 min

Lab File: BF142550.D

Acq: 23 May 2025 22:21

Instrument :

BNA_F

ClientSampleId :

LAW-25-0077

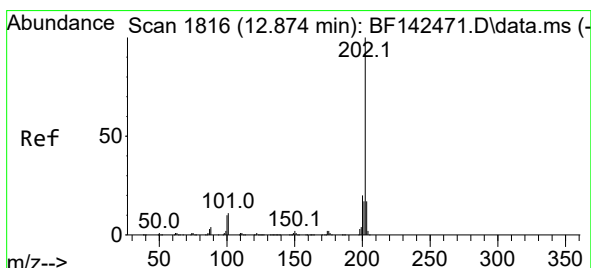
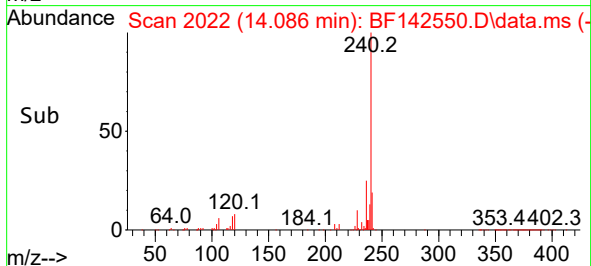
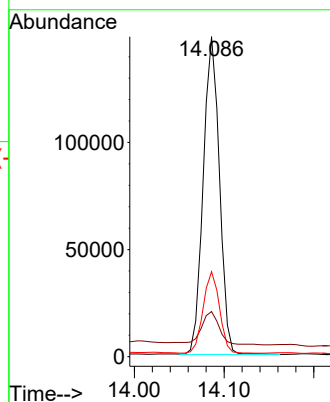
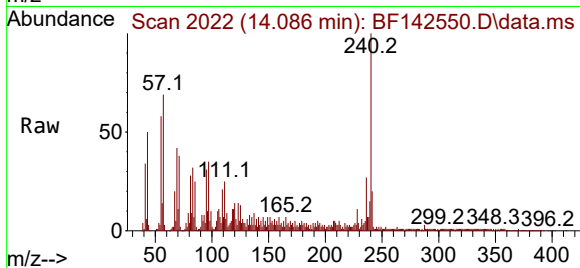
Tgt Ion:240 Resp: 185993

Ion Ratio Lower Upper

240 100

120 14.1 7.5 11.3#

236 26.6 19.6 29.4



#78

Pyrene

Concen: 3.152 ng

RT: 12.904 min Scan# 1821

Delta R.T. 0.029 min

Lab File: BF142550.D

Acq: 23 May 2025 22:21

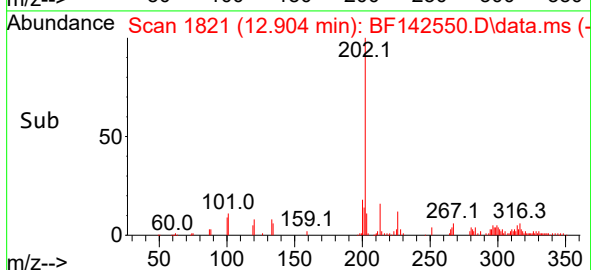
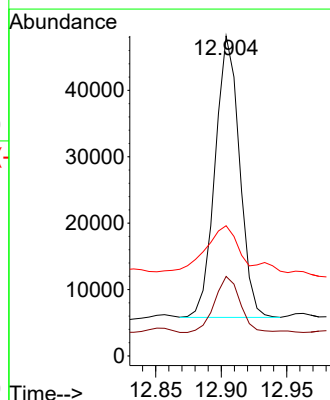
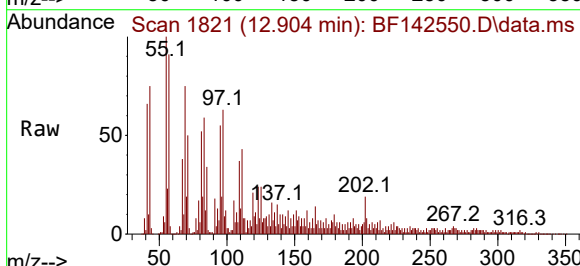
Tgt Ion:202 Resp: 54686

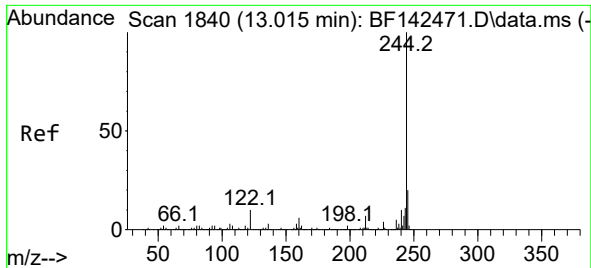
Ion Ratio Lower Upper

202 100

200 24.9 16.1 24.1#

203 40.7 13.9 20.9#

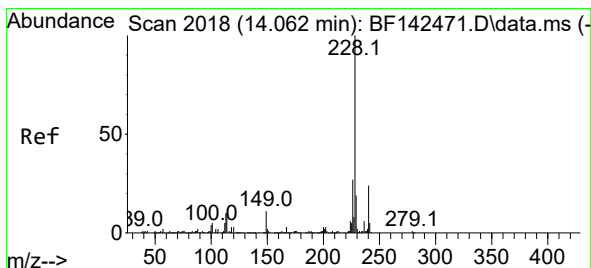
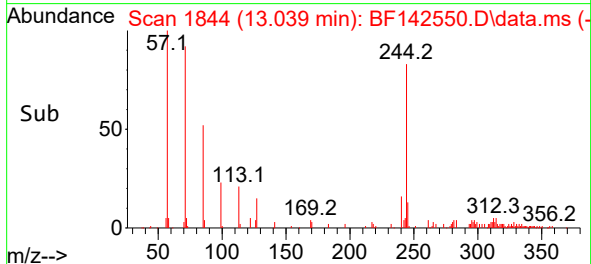
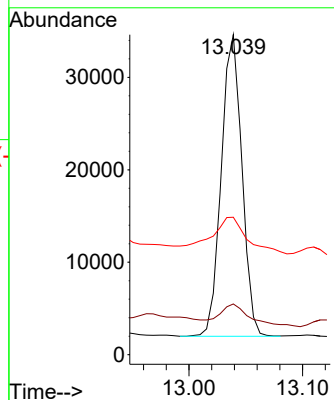
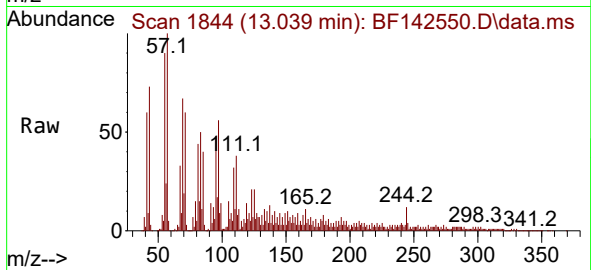




#79
 Terphenyl-d14
 Concen: 3.034 ng
 RT: 13.039 min Scan# 1
 Delta R.T. 0.024 min
 Lab File: BF142550.D
 Acq: 23 May 2025 22:21

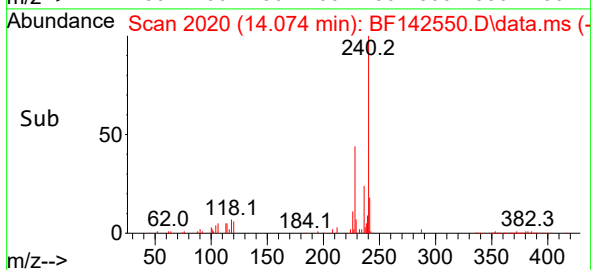
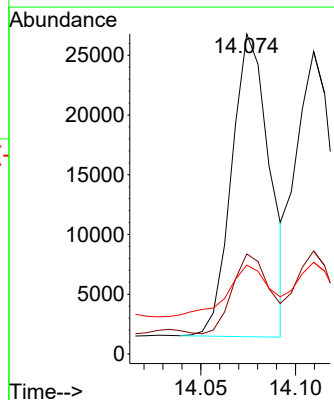
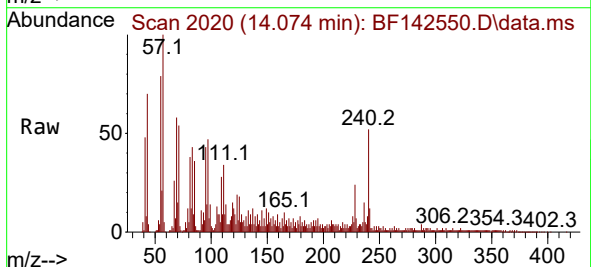
Instrument :
 BNA_F
 ClientSampleId :
 LAW-25-0077

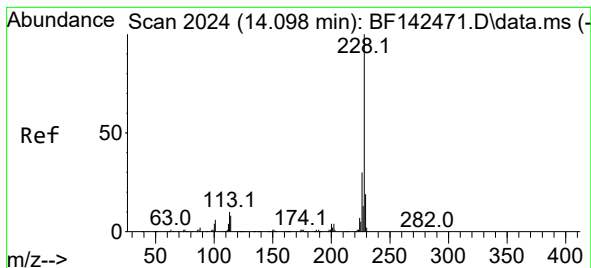
Tgt Ion:244 Resp: 41299
 Ion Ratio Lower Upper
 244 100
 212 15.8 5.3 7.9#
 122 43.0 8.2 12.2#



#81
 Benzo(a)anthracene
 Concen: 2.837 ng
 RT: 14.074 min Scan# 2020
 Delta R.T. 0.012 min
 Lab File: BF142550.D
 Acq: 23 May 2025 22:21

Tgt Ion:228 Resp: 35237
 Ion Ratio Lower Upper
 228 100
 226 31.2 21.2 31.8
 229 27.7 15.5 23.3#





#83

Chrysene

Concen: 2.916 ng

RT: 14.110 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF142550.D

Acq: 23 May 2025 22:21

Instrument :

BNA_F

ClientSampleId :

LAW-25-0077

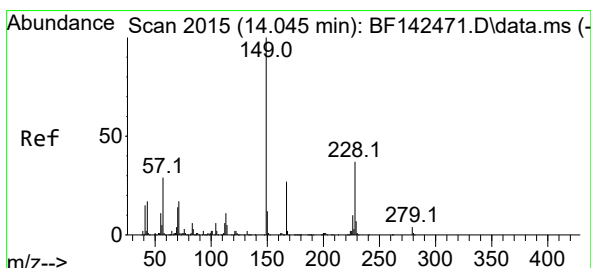
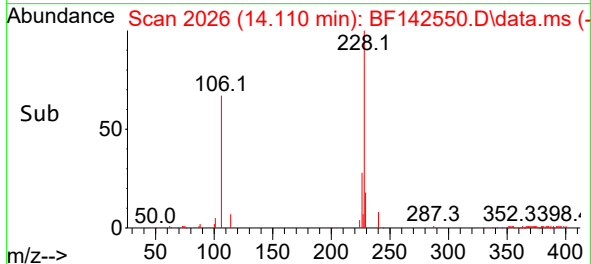
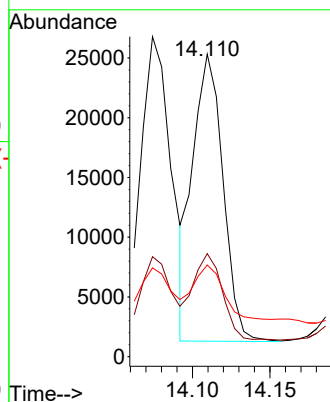
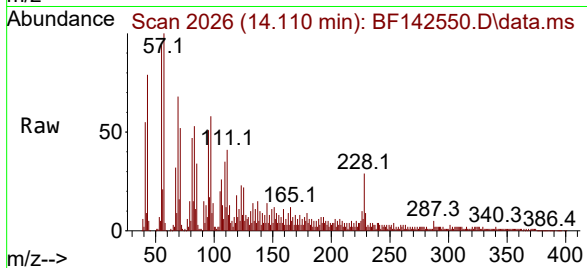
Tgt Ion:228 Resp: 32537

Ion Ratio Lower Upper

228 100

226 34.1 23.8 35.6

229 30.3 15.4 23.2#



#84

Bis(2-ethylhexyl)phthalate

Concen: 21.969 ng

RT: 14.051 min Scan# 2016

Delta R.T. -0.000 min

Lab File: BF142550.D

Acq: 23 May 2025 22:21

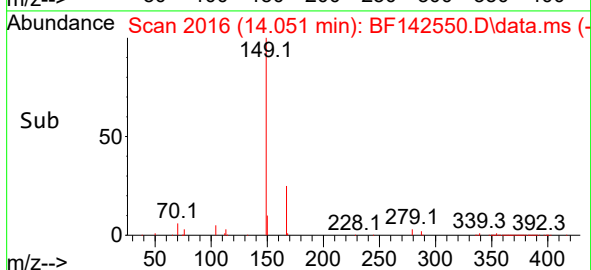
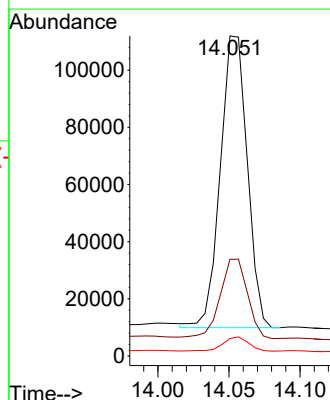
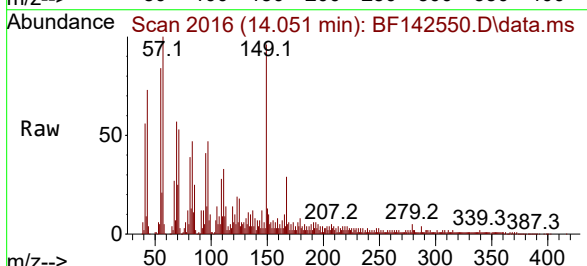
Tgt Ion:149 Resp: 134829

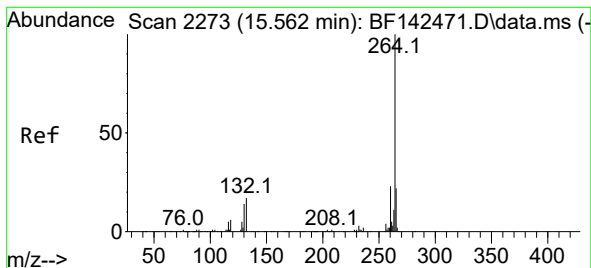
Ion Ratio Lower Upper

149 100

167 30.2 21.5 32.3

279 5.5 3.2 4.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.568 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142550.D

Acq: 23 May 2025 22:21

Instrument :

BNA_F

ClientSampleId :

LAW-25-0077

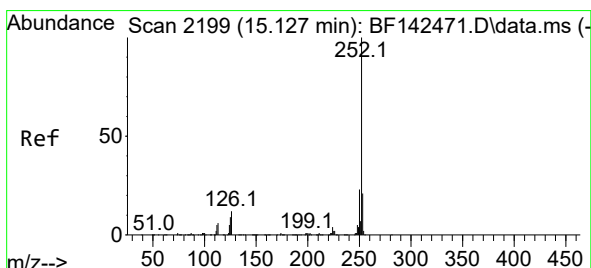
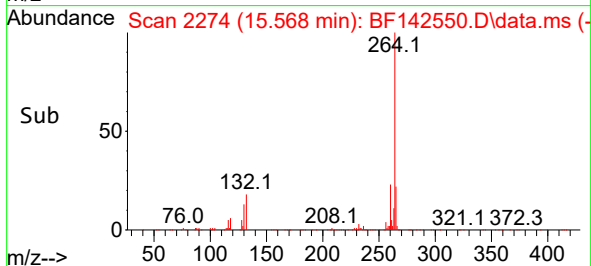
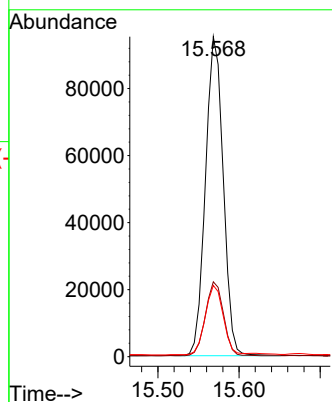
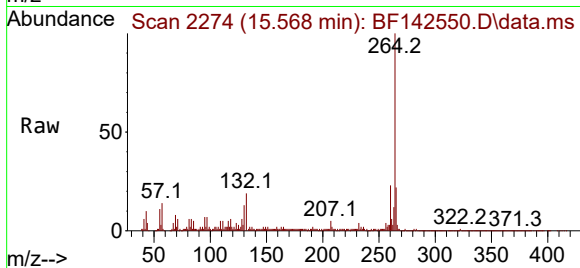
Tgt Ion:264 Resp: 144535

Ion Ratio Lower Upper

264 100

260 23.4 18.6 28.0

265 22.3 17.7 26.5



#88

Benzo(b)fluoranthene

Concen: 5.653 ng

RT: 15.133 min Scan# 2200

Delta R.T. 0.006 min

Lab File: BF142550.D

Acq: 23 May 2025 22:21

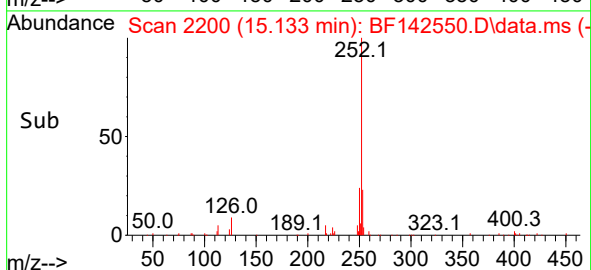
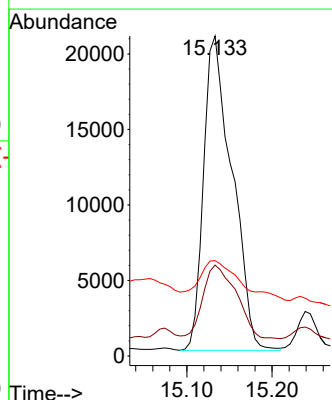
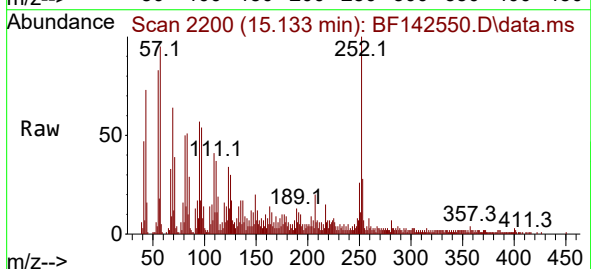
Tgt Ion:252 Resp: 48360

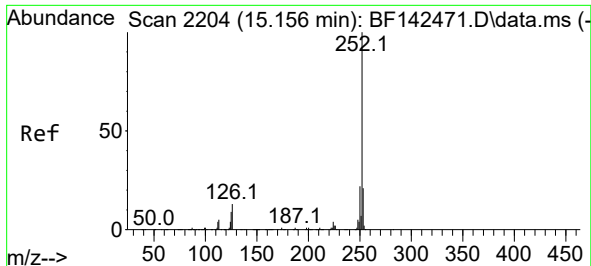
Ion Ratio Lower Upper

252 100

253 28.4 17.0 25.4#

125 29.8 7.4 11.0#

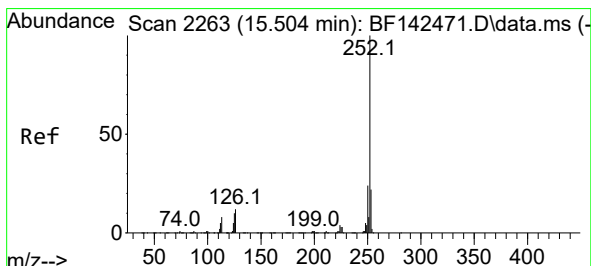
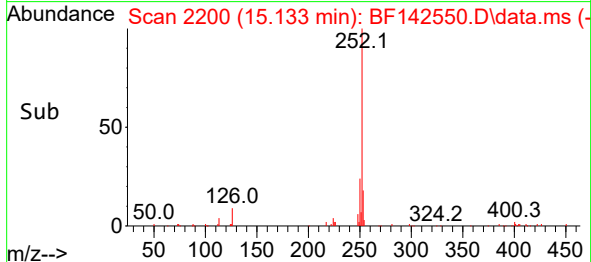
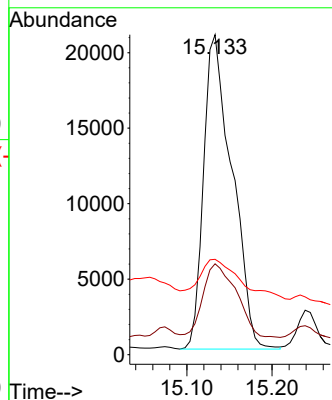
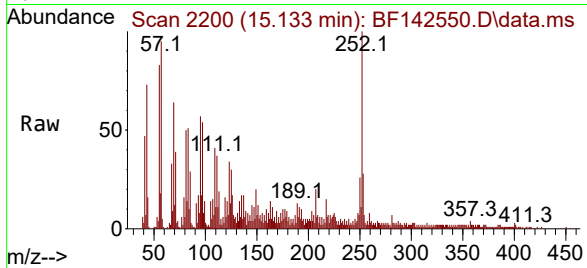




#89
Benzo(k)fluoranthene
Concen: 6.036 ng
RT: 15.133 min Scan# 21
Delta R.T. -0.029 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Instrument :
BNA_F
ClientSampleId :
LAW-25-0077

Tgt Ion:252 Resp: 48360
Ion Ratio Lower Upper
252 100
253 28.4 17.0 25.4#
125 29.8 7.3 10.9#



#90
Benzo(a)pyrene
Concen: 2.210 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.006 min
Lab File: BF142550.D
Acq: 23 May 2025 22:21

Tgt Ion:252 Resp: 17817
Ion Ratio Lower Upper
252 100
253 27.8 17.4 26.0#
125 32.8 7.9 11.9#

