

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032825\
 Data File : BF142166.D
 Acq On : 28 Mar 2025 18:03
 Operator : RC/JU
 Sample : Q1654-01
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RT3407

Quant Time: Mar 28 22:47:05 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 10 15:46:22 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	155853	20.000	ng	-0.01
21) Naphthalene-d8	8.163	136	533696	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	284004	20.000	ng	# 0.00
64) Phenanthrene-d10	11.427	188	313569	20.000	ng	0.02
76) Chrysene-d12	14.057	240	302133	20.000	ng	0.02
86) Perylene-d12	15.521	264	261945	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	882789	94.534	ng	0.00
7) Phenol-d6	6.492	99	1066874	89.731	ng	-0.01
23) Nitrobenzene-d5	7.434	82	686684	72.408	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	245758	68.210	ng	0.01
45) 2-Fluorobiphenyl	9.228	172	1319211	70.642	ng	-0.01
79) Terphenyl-d14	12.992	244	1196145	58.532	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	7.404	117	9240	2.178	ng	# 1
19) n-Nitroso-di-n-propyla...	7.434	70	97881	12.812	ng	# 76
25) Isophorone	7.434	82	621141	37.053	ng	# 64
31) Naphthalene	8.198	128	10869933	396.494	ng	# 92
32) Benzoic acid	7.939	122	13654	2.438	ng	# 27
33) 4-Chloroaniline	8.198	127	1715998	177.310	ng	# 33
35) Caprolactam	8.575	113	8163	3.386	ng	# 58
37) 2-Methylnaphthalene	8.892	142	8314429	453.732	ng	98
38) 1-Methylnaphthalene	8.986	142	4574981	258.722	ng	100
46) 1,1'-Biphenyl	9.339	154	3155710	146.240	ng	98
48) 2-Nitroaniline	9.428	65	22612	4.856	ng	# 30
49) Acenaphthylene	9.775	152	561656	23.532	ng	# 92
51) 2,6-Dinitrotoluene	9.604	165	29078	7.022	ng	# 1
52) Acenaphthene	9.981	154	9667928	576.389	ng	96
54) 2,4-Dinitrophenol	9.963	184	669	6.834	ng	# 1
55) Dibenzofuran	10.145	168	10456521	436.287	ng	# 96
56) 4-Nitrophenol	10.145	139	4510136	1423.820	ng	# 5
57) 2,4-Dinitrotoluene	10.139	165	20703	3.828	ng	# 1
58) Fluorene	10.498	166	11104818	600.824	ng	# 98
59) 2,3,4,6-Tetrachlorophenol	10.210	232	17883	3.434	ng	# 68
62) 4-Nitroaniline	10.498	138	145312	35.535	ng	# 19
63) Azobenzene	10.628	77	126288	6.850	ng	# 1
66) n-Nitrosodiphenylamine	10.610	169	232201	22.883	ng	# 1
67) 4-Bromophenyl-phenylether	10.716	248	13364	3.394	ng	# 1
70) Pentachlorophenol	11.251	266	11599	4.359	ng	96
71) Phenanthrene	11.486	178	26115939	1541.958	ng	# 85
72) Anthracene	11.486	178	26115939	1536.944	ng	# 84
73) Carbazole	11.645	167	1750734	119.470	ng	98
75) Fluoranthene	12.663	202	18840586	1048.675	ng	89
78) Pyrene	12.886	202	13391821	512.413	ng	# 80
81) Benzo(a)anthracene	14.051	228	5062995	255.370	ng	95
82) 3,3'-Dichlorobenzidine	14.086	252	48732	8.506	ng	# 1
83) Chrysene	14.051	228	5062995	281.721	ng	96
87) Indeno(1,2,3-cd)pyrene	17.004	276	331215	19.547	ng	# 93
88) Benzo(b)fluoranthene	15.098	252	2740515	152.653	ng	98
89) Benzo(k)fluoranthene	15.098	252	2740515	178.380	ng	99

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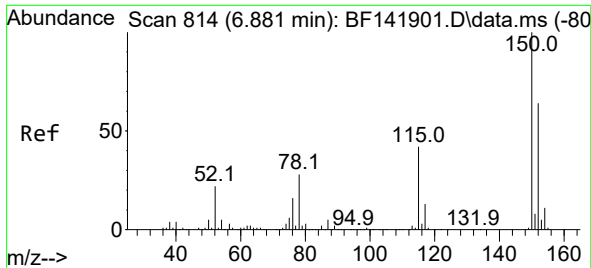
Quant Time: Mar 28 22:47:05 2025
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 10 15:46:22 2025
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90) Benzo(a)pyrene	15.463	252	1064327	75.768	ng	98
91) Dibenzo(a,h)anthracene	17.015	278	100426	7.183	ng	95
92) Benzo(g,h,i)perylene	17.456	276	256558	18.570	ng	98

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

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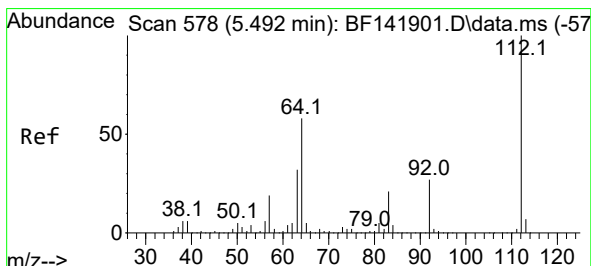
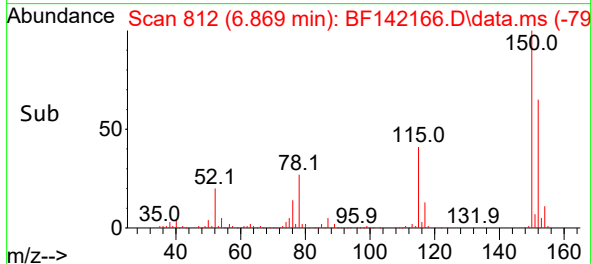
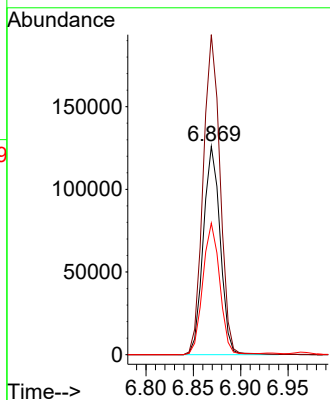
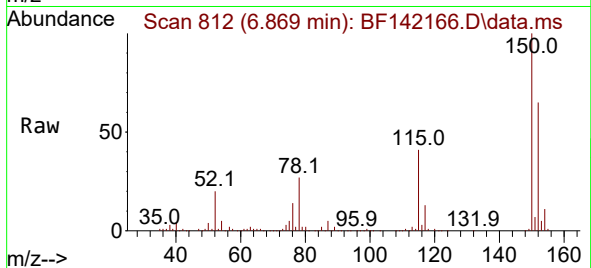




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 814
Delta R.T. -0.012 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

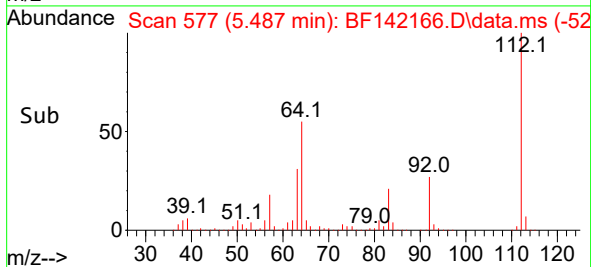
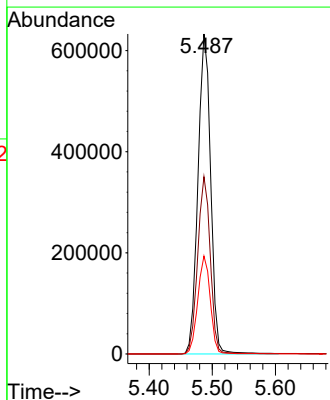
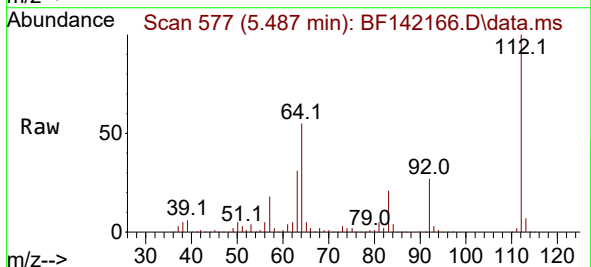
Instrument :
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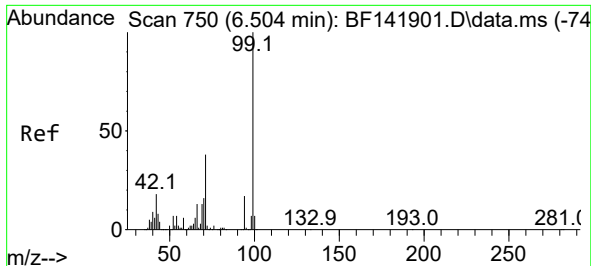
Tgt Ion:152 Resp: 155853
Ion Ratio Lower Upper
152 100
150 153.6 127.4 191.2
115 63.1 51.9 77.9



#5
2-Fluorophenol
Concen: 94.534 ng
RT: 5.487 min Scan# 577
Delta R.T. -0.006 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:112 Resp: 882789
Ion Ratio Lower Upper
112 100
64 55.4 46.5 69.7
63 30.6 25.4 38.2

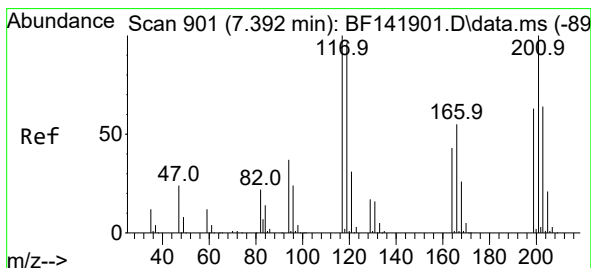
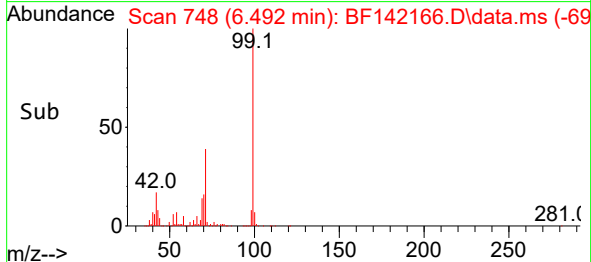
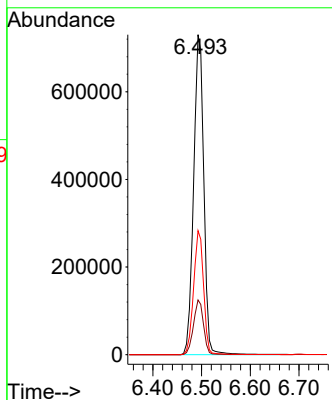
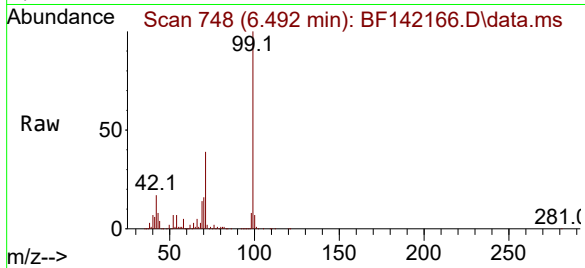




#7
Phenol-d6
Concen: 89.731 ng
RT: 6.492 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

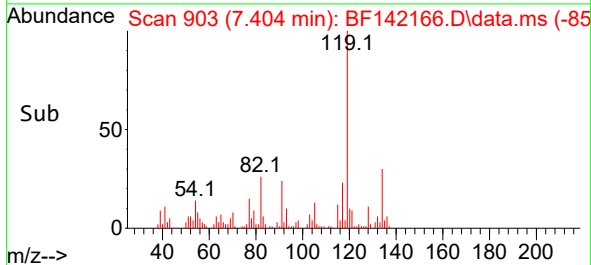
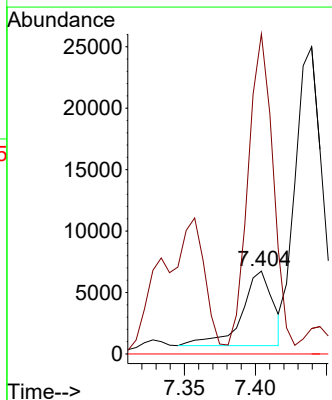
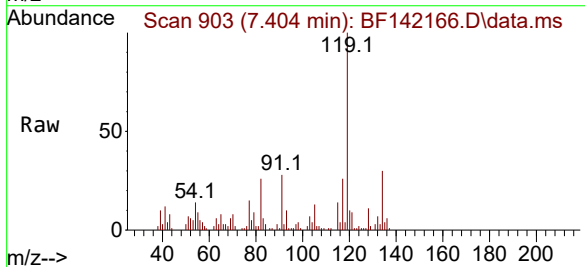
Instrument :
BNA_F
ClientSampleId :
RT3407

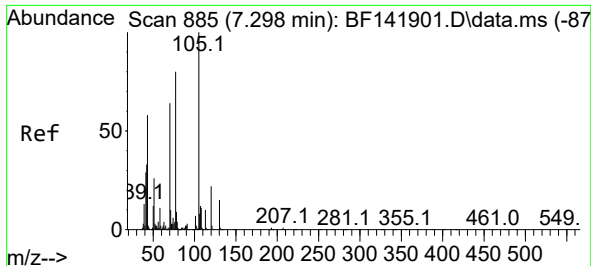
Tgt Ion: 99 Resp: 1066874
Ion Ratio Lower Upper
99 100
42 17.1 14.6 21.8
71 38.7 30.8 46.2



#18
Hexachloroethane
Concen: 2.178 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.012 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion: 117 Resp: 9240
Ion Ratio Lower Upper
117 100
119 385.8 76.9 115.3#
201 0.0 79.9 119.9#

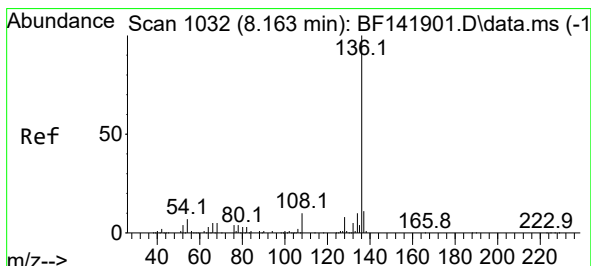
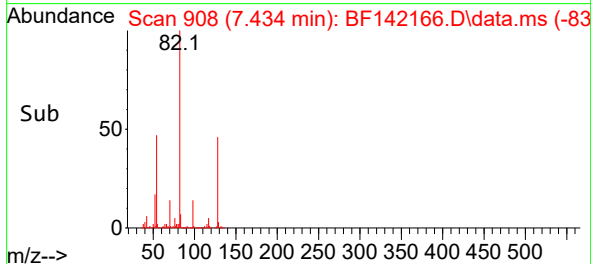
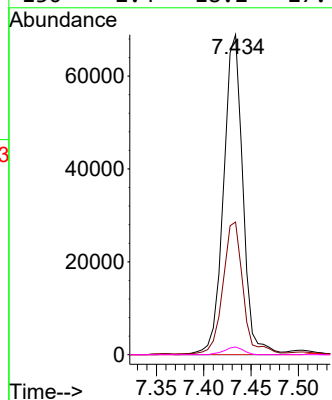
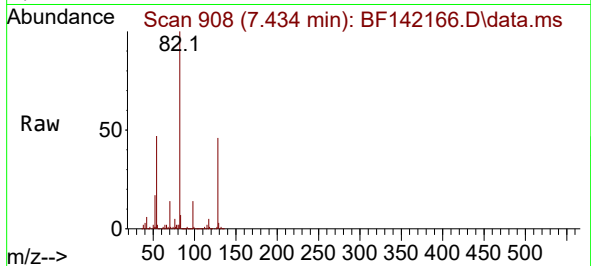




#19
n-Nitroso-di-n-propylamine
Concen: 12.812 ng
RT: 7.434 min Scan# 90
Delta R.T. 0.135 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

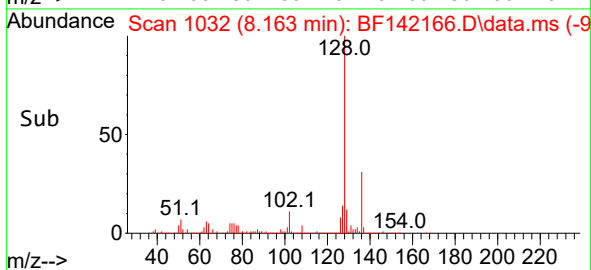
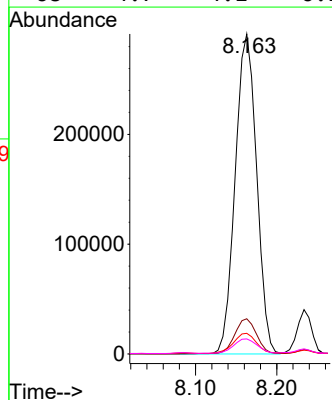
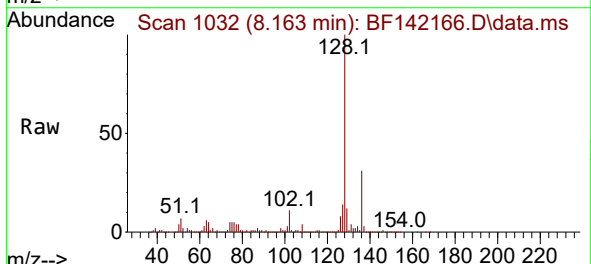
Instrument :
BNA_F
ClientSampleId :
RT3407

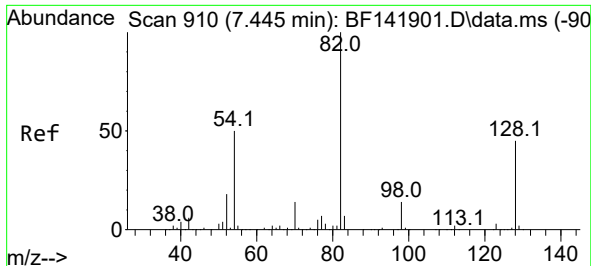
Tgt Ion:	70	Resp:	97881
Ion	Ratio	Lower	Upper
70	100		
42	41.4	41.4	62.0
101	0.0	8.2	12.2#
130	2.4	18.2	27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:	136	Resp:	533696
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	6.5	5.8	8.8
68	4.7	4.1	6.1





#23

Nitrobenzene-d5

Concen: 72.408 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.012 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

Instrument :

BNA_F

ClientSampleId :

RT3407

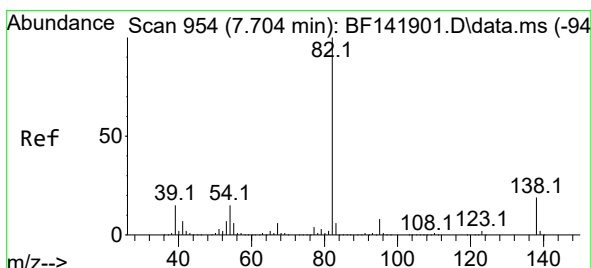
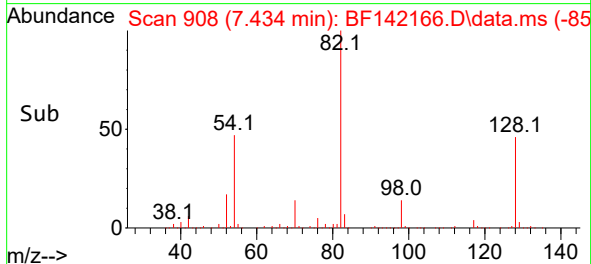
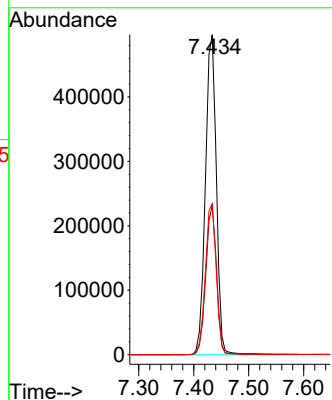
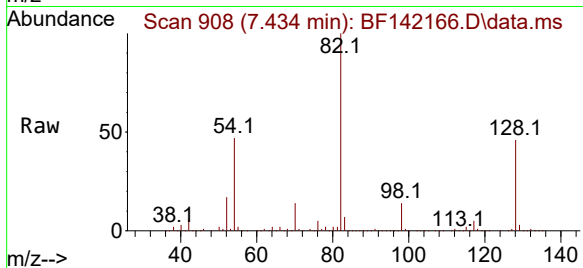
Tgt Ion: 82 Resp: 686684

Ion Ratio Lower Upper

82 100

128 46.5 36.0 54.0

54 47.2 39.6 59.4



#25

Isophorone

Concen: 37.053 ng

RT: 7.434 min Scan# 908

Delta R.T. -0.270 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

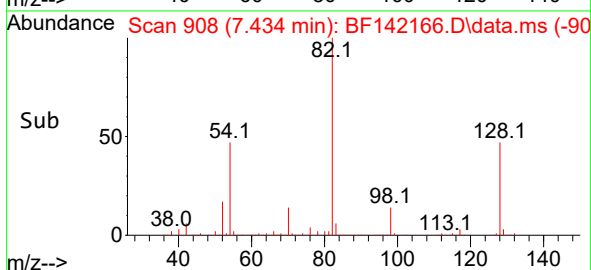
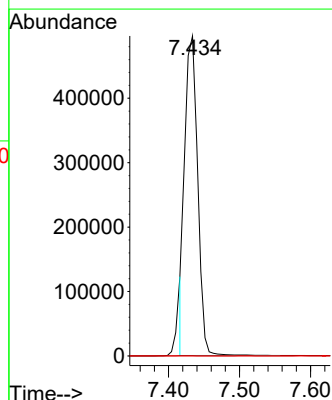
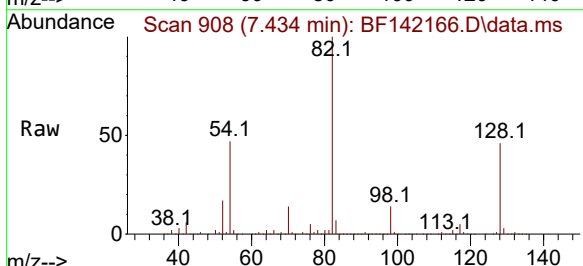
Tgt Ion: 82 Resp: 621141

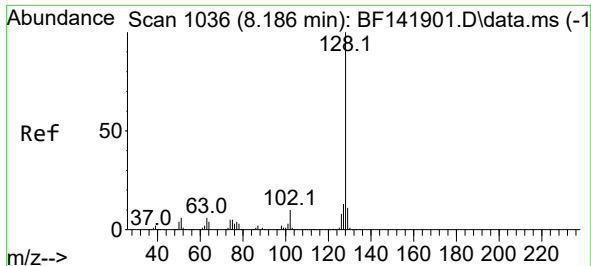
Ion Ratio Lower Upper

82 100

95 0.1 6.4 9.6#

138 0.0 14.9 22.3#

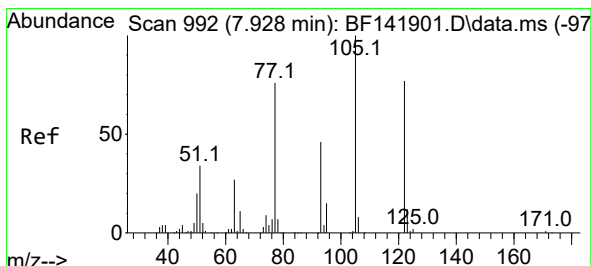
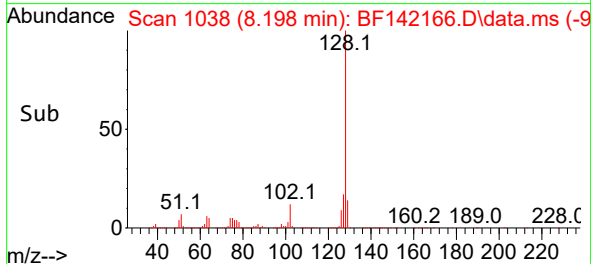
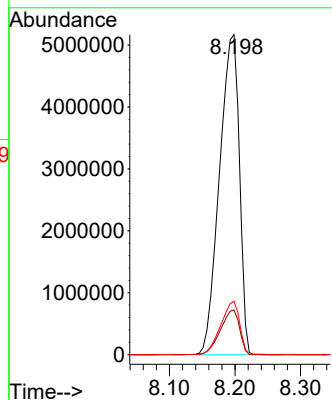
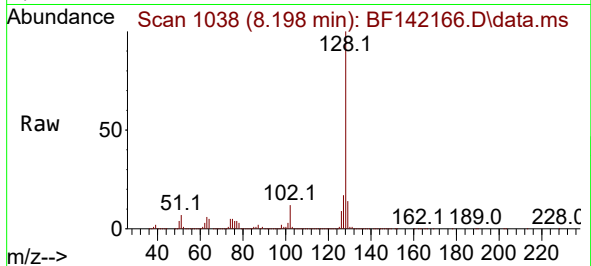




#31
Naphthalene
Concen: 396.494 ng
RT: 8.198 min Scan# 1036
Delta R.T. 0.012 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

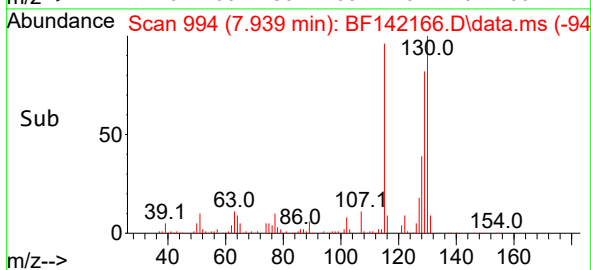
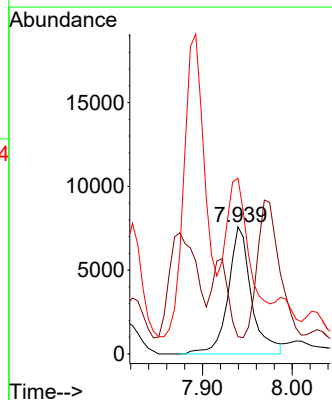
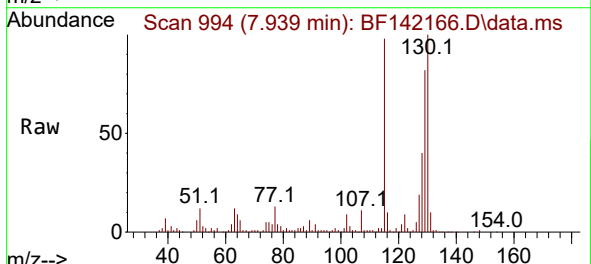
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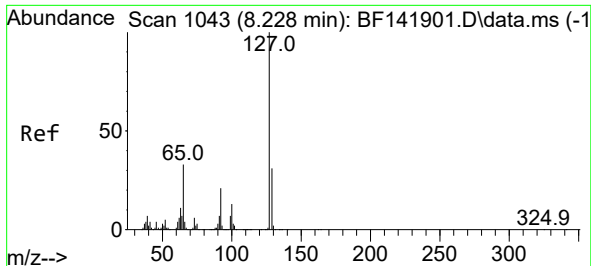
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Ion Ratio Lower Upper
128 100
129 14.0 9.0 13.6#
127 16.7 10.8 16.2#



#32
Benzoic acid
Concen: 2.438 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.011 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:122 Resp: 13654
Ion Ratio Lower Upper
122 100
105 13.7 107.9 147.9#
77 138.3 79.0 119.0#

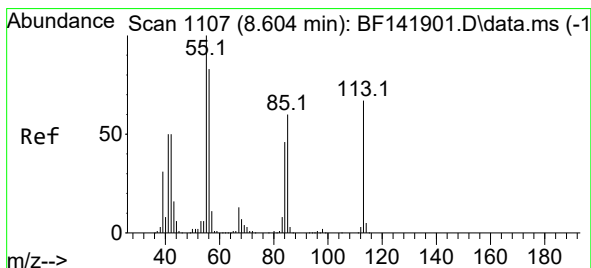
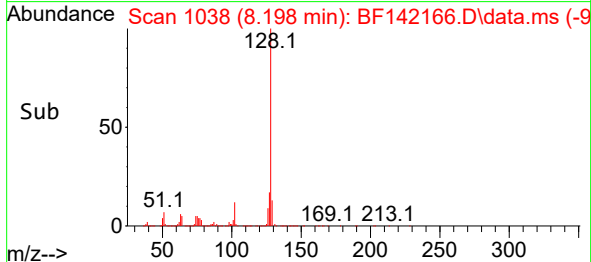
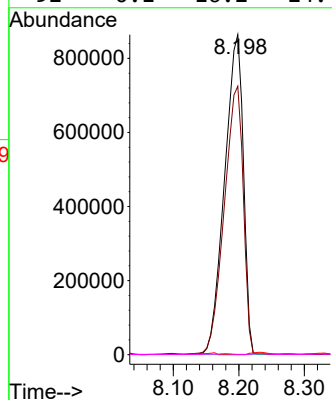
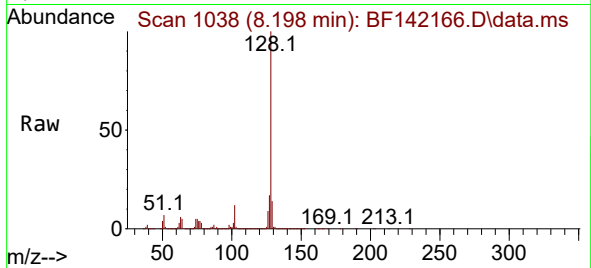




#33
4-Chloroaniline
Concen: 177.310 ng
RT: 8.198 min Scan# 1038
Delta R.T. -0.029 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

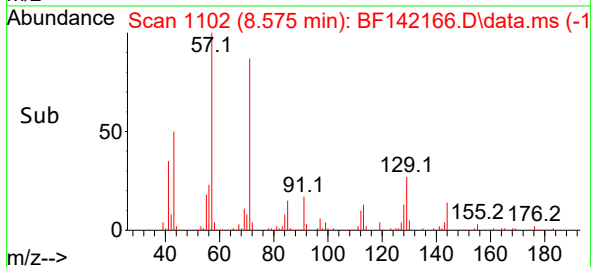
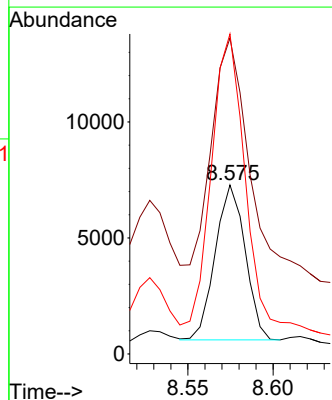
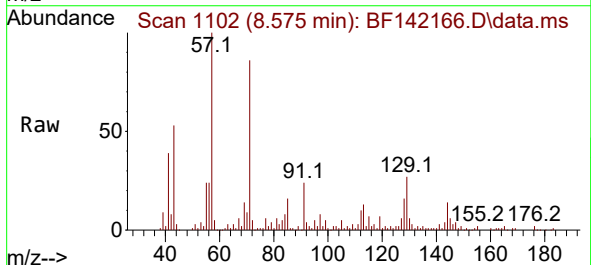
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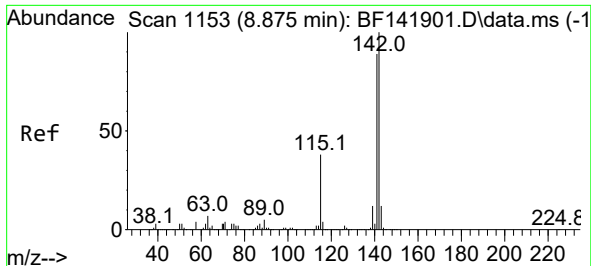
Tgt Ion:127 Resp: 1715998
Ion Ratio Lower Upper
127 100
129 83.9 26.2 39.4#
65 0.0 25.4 38.2#
92 0.1 16.2 24.4#



#35
Caprolactam
Concen: 3.386 ng
RT: 8.575 min Scan# 1102
Delta R.T. -0.029 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:113 Resp: 8163
Ion Ratio Lower Upper
113 100
55 186.8 129.6 169.6#
56 189.3 104.0 144.0#





#37

2-Methylnaphthalene

Concen: 453.732 ng

RT: 8.892 min Scan# 1156

Delta R.T. 0.018 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

Instrument :

BNA_F

ClientSampleId :

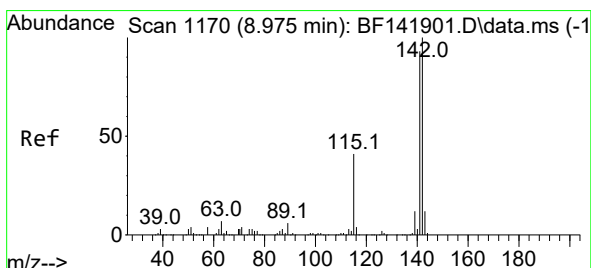
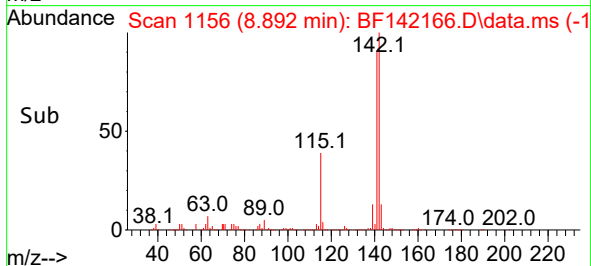
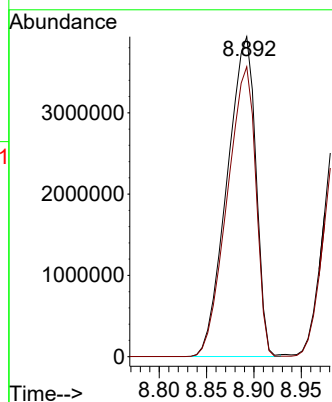
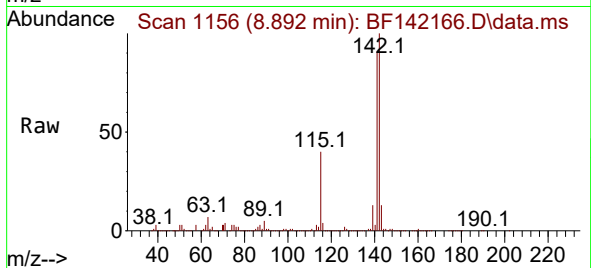
RT3407

Tgt Ion:142 Resp: 8314429

Ion Ratio Lower Upper

142 100

141 90.6 71.2 106.8



#38

1-Methylnaphthalene

Concen: 258.722 ng

RT: 8.986 min Scan# 1172

Delta R.T. 0.012 min

Lab File: BF142166.D

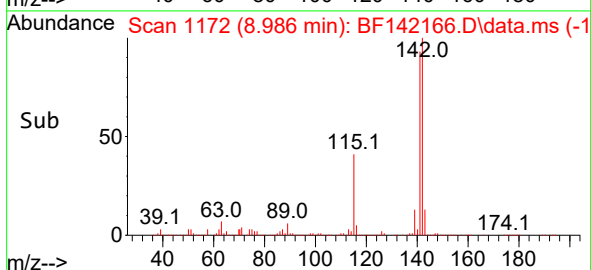
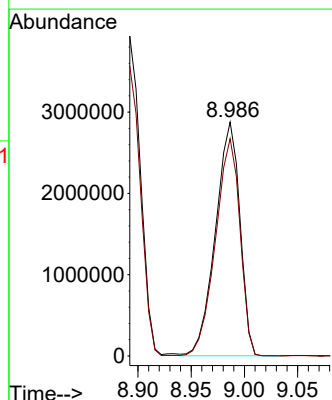
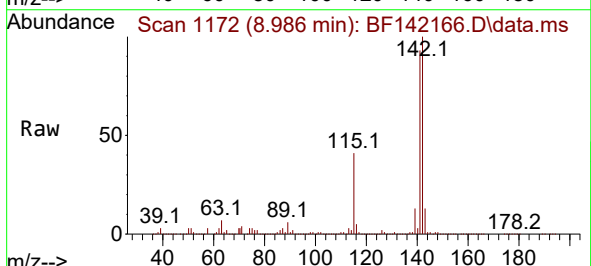
Acq: 28 Mar 2025 18:03

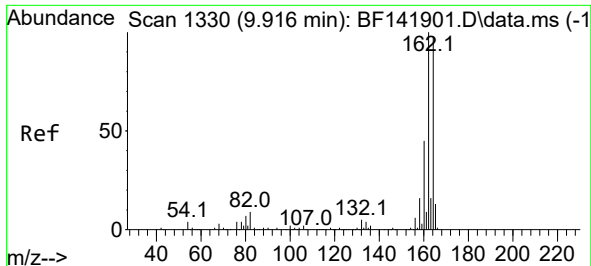
Tgt Ion:142 Resp: 4574981

Ion Ratio Lower Upper

142 100

141 92.9 74.2 111.4

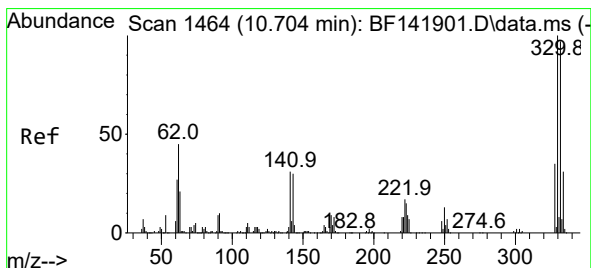
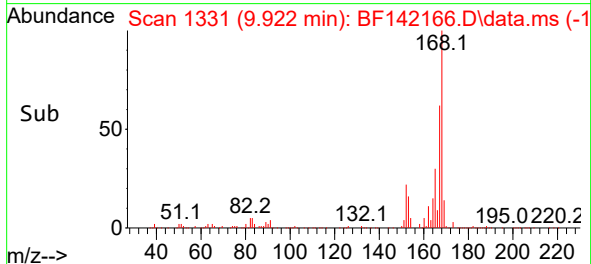
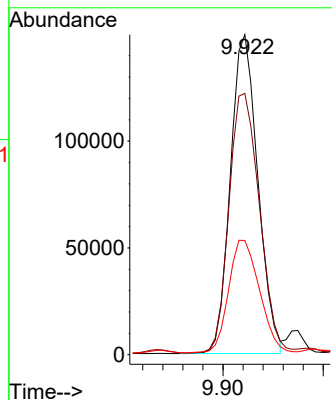
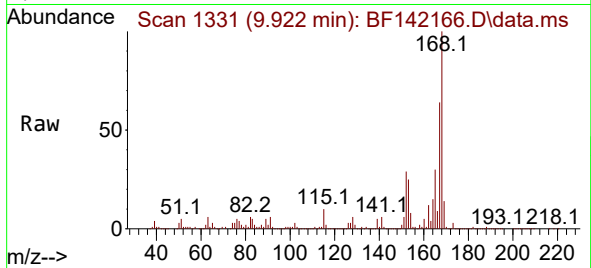




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

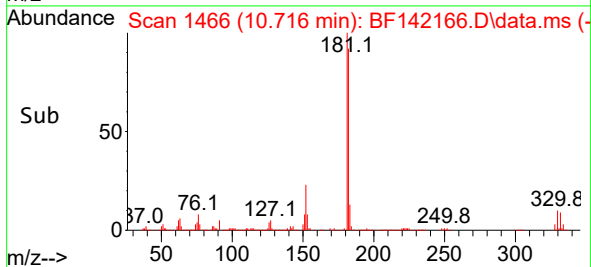
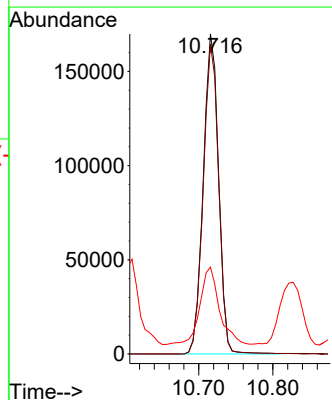
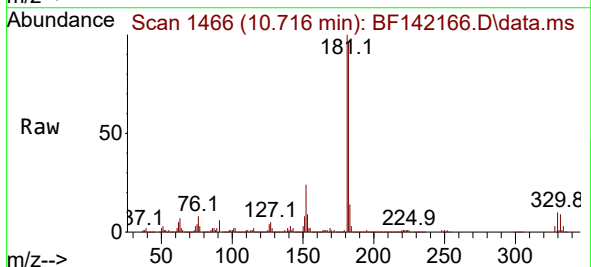
Instrument :
BNA_F
ClientSampleId :
RT3407

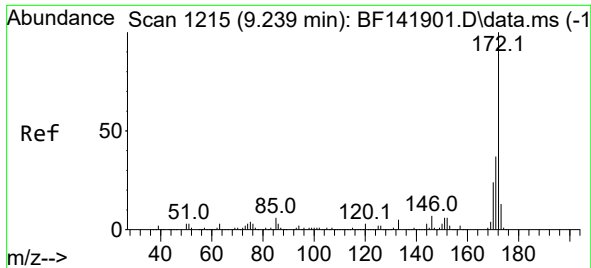
Tgt Ion:164 Resp: 284004
Ion Ratio Lower Upper
164 100
162 81.6 81.8 122.6#
160 35.7 36.7 55.1#



#42
2,4,6-Tribromophenol
Concen: 68.210 ng
RT: 10.716 min Scan# 1466
Delta R.T. 0.012 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:330 Resp: 245758
Ion Ratio Lower Upper
330 100
332 96.7 77.6 116.4
141 30.4 24.7 37.1





#45

2-Fluorobiphenyl

Concen: 70.642 ng

RT: 9.228 min Scan# 1213

Delta R.T. -0.012 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

Instrument :

BNA_F

ClientSampleId :

RT3407

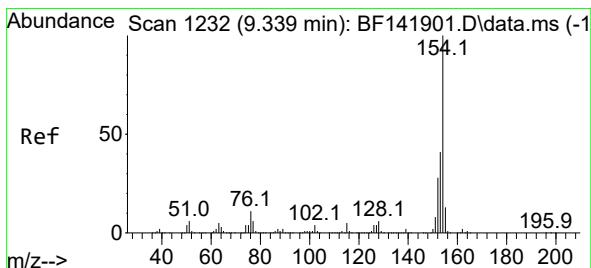
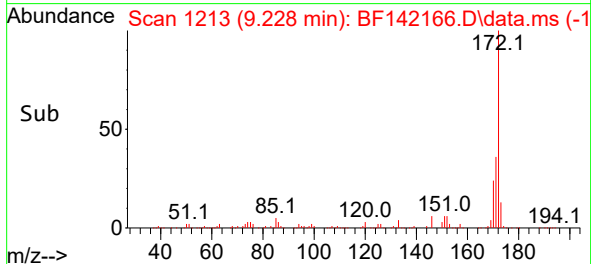
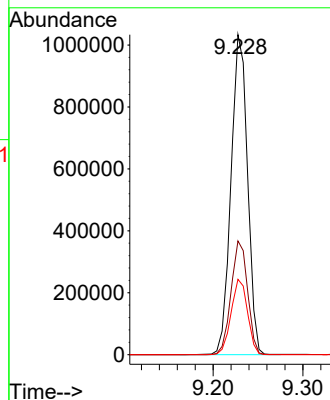
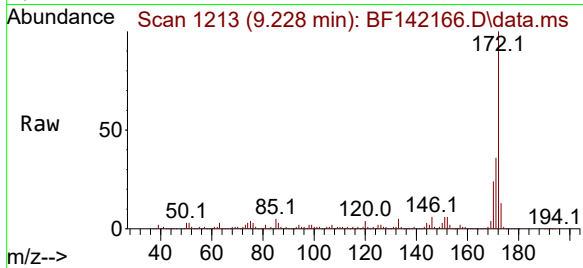
Tgt Ion:172 Resp: 1319211

Ion Ratio Lower Upper

172 100

171 35.6 29.3 43.9

170 23.6 19.4 29.0



#46

1,1'-Biphenyl

Concen: 146.240 ng

RT: 9.339 min Scan# 1232

Delta R.T. 0.000 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

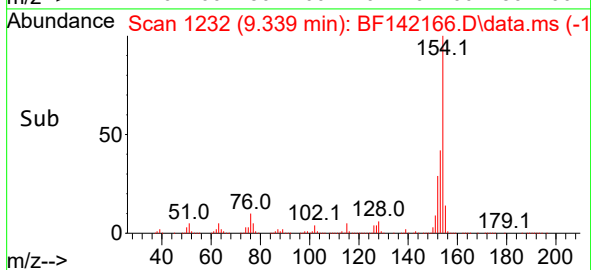
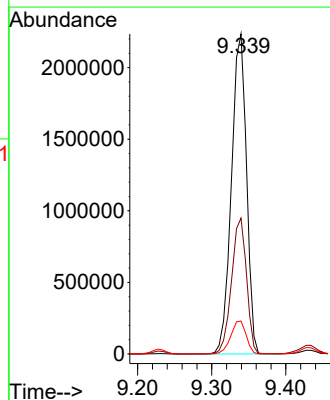
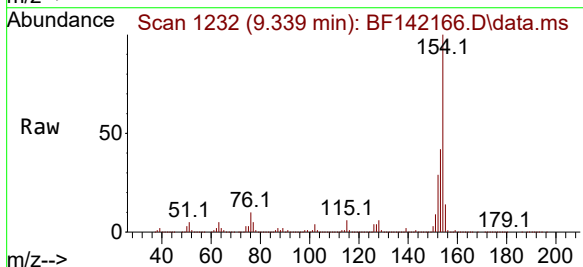
Tgt Ion:154 Resp: 3155710

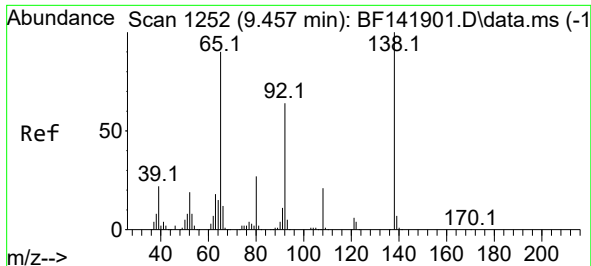
Ion Ratio Lower Upper

154 100

153 42.4 21.1 61.1

76 10.3 0.0 31.3

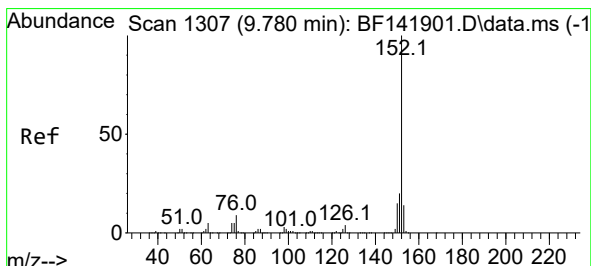
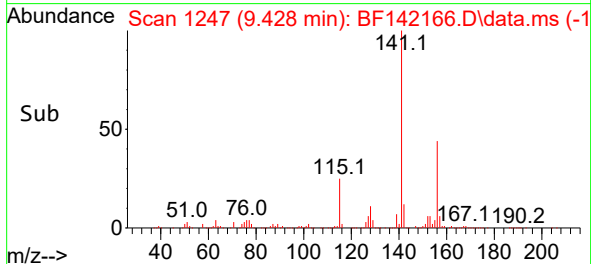
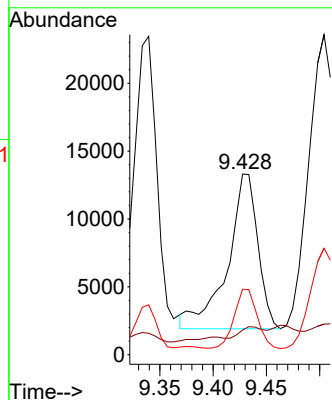
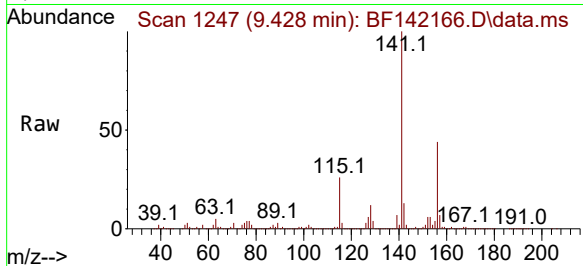




#48
2-Nitroaniline
Concen: 4.856 ng
RT: 9.428 min Scan# 11
Delta R.T. -0.029 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

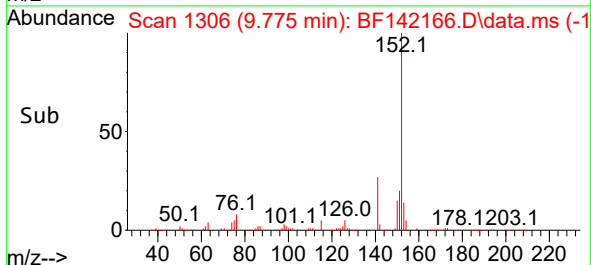
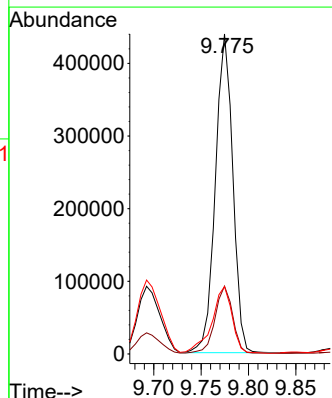
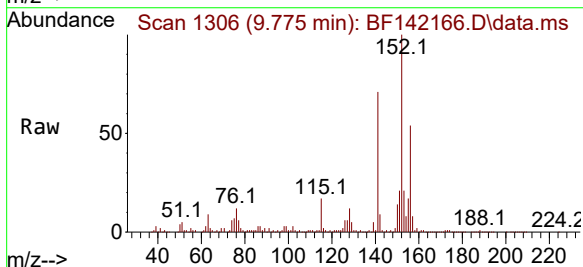
Instrument :
BNA_F
ClientSampleId :
RT3407

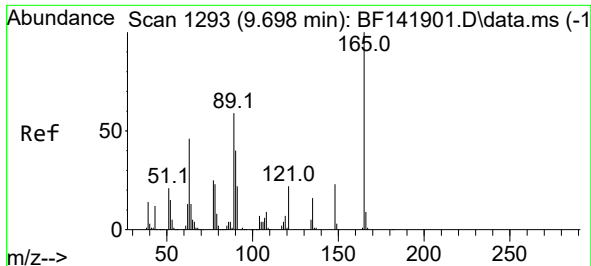
Tgt Ion: 65 Resp: 22612
Ion Ratio Lower Upper
65 100
92 13.6 56.6 84.8#
138 36.2 88.6 133.0#



#49
Acenaphthylene
Concen: 23.532 ng
RT: 9.775 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion: 152 Resp: 561656
Ion Ratio Lower Upper
152 100
151 21.2 16.3 24.5
153 21.0 11.1 16.7#

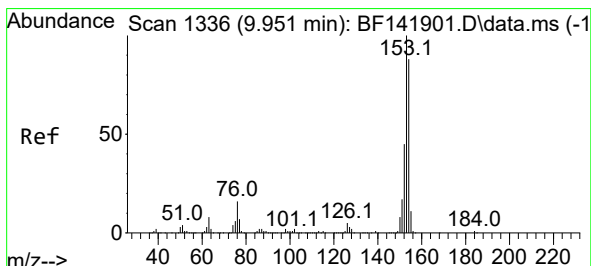
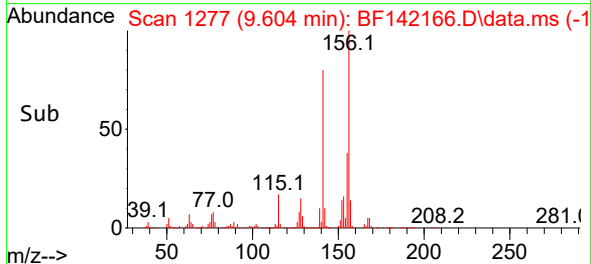
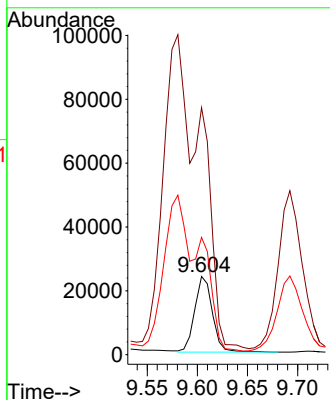
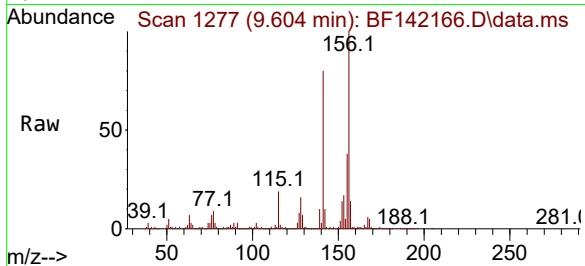




#51
2,6-Dinitrotoluene
Concen: 7.022 ng
RT: 9.604 min Scan# 11
Delta R.T. -0.094 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

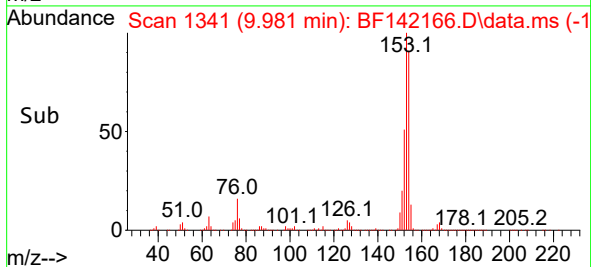
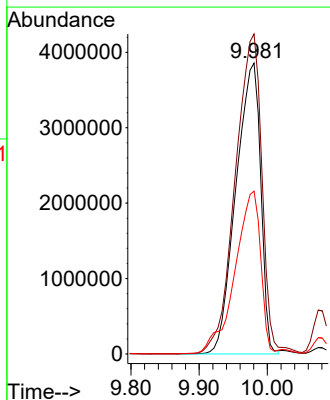
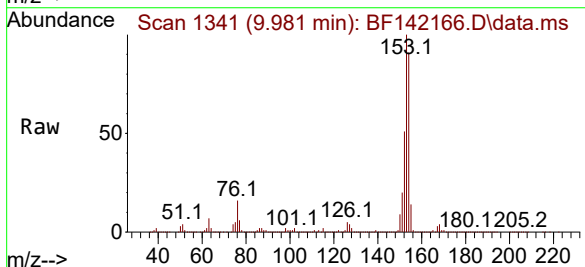
Instrument :
BNA_F
ClientSampleId :
RT3407

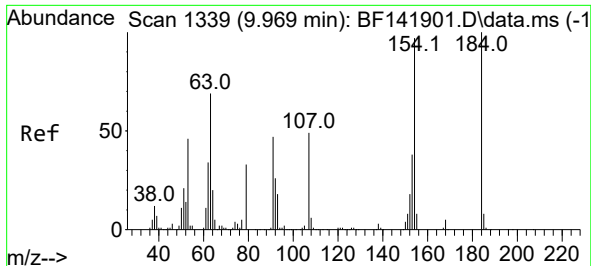
Tgt Ion:165 Resp: 29078
Ion Ratio Lower Upper
165 100
63 315.9 47.0 70.4#
89 150.0 47.4 71.2#



#52
Acenaphthene
Concen: 576.389 ng
RT: 9.981 min Scan# 1341
Delta R.T. 0.030 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:154 Resp: 9667928
Ion Ratio Lower Upper
154 100
153 110.0 90.7 136.1
152 56.0 41.1 61.7

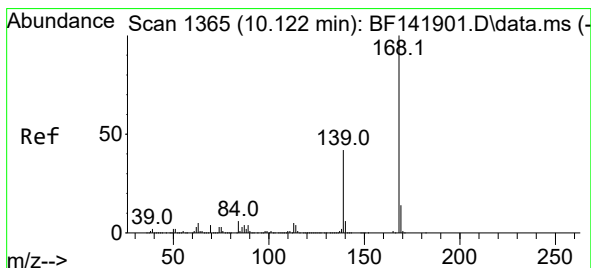
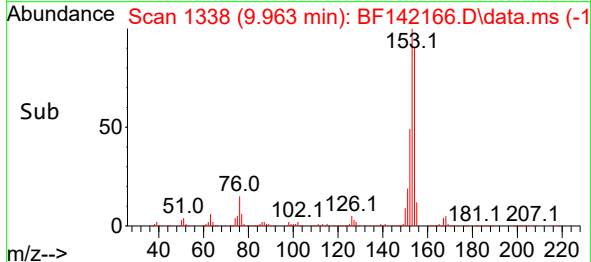
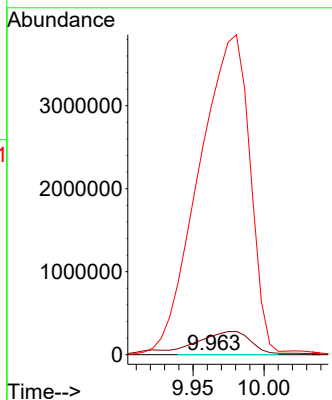
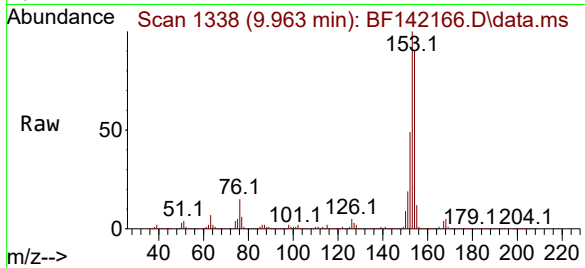




#54
2,4-Dinitrophenol
Concen: 6.834 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

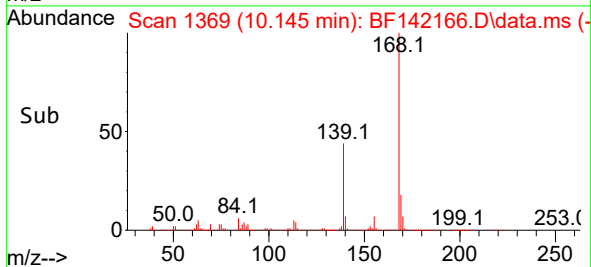
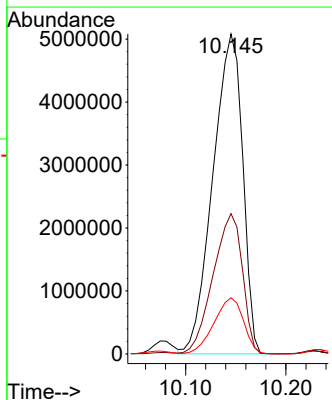
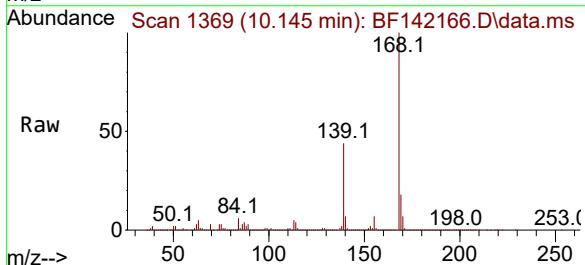
Instrument :
BNA_F
ClientSampleId :
RT3407

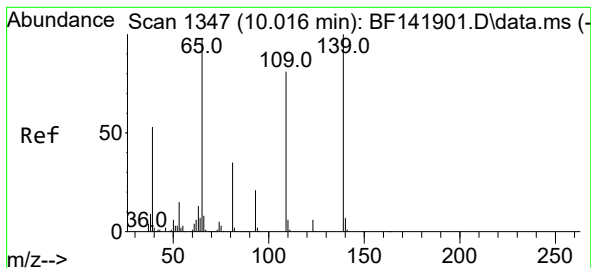
Tgt Ion:184 Resp: 669
Ion Ratio Lower Upper
184 100
63 54764.4 60.2 90.4#
154 742019.8 132.9 199.3#



#55
Dibenzofuran
Concen: 436.287 ng
RT: 10.145 min Scan# 1369
Delta R.T. 0.024 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:168 Resp:10456521
Ion Ratio Lower Upper
168 100
139 43.8 33.9 50.9
169 17.5 11.0 16.4#

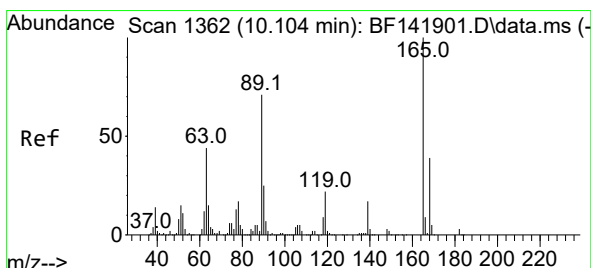
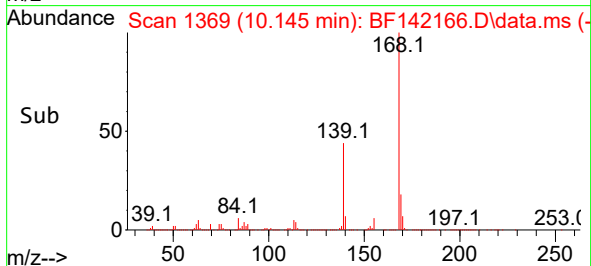
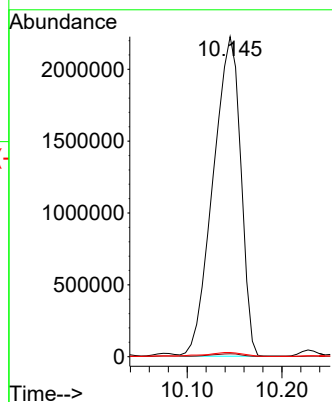
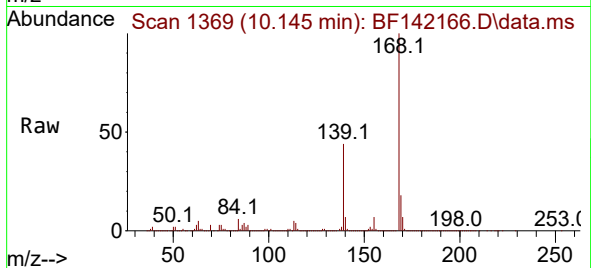




#56
4-Nitrophenol
Concen: 1423.820 ng
RT: 10.145 min Scan# 1369
Delta R.T. 0.130 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

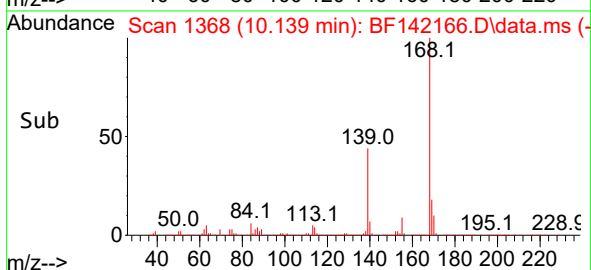
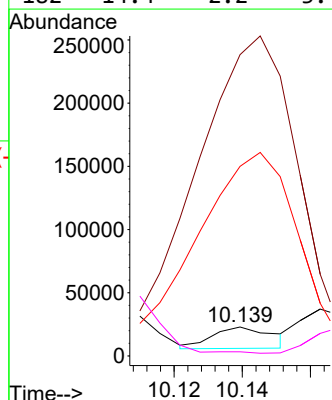
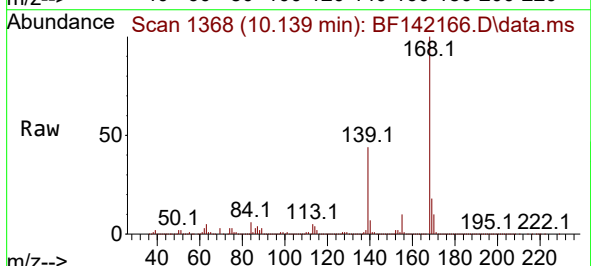
Instrument :
BNA_F
ClientSampleId :
RT3407

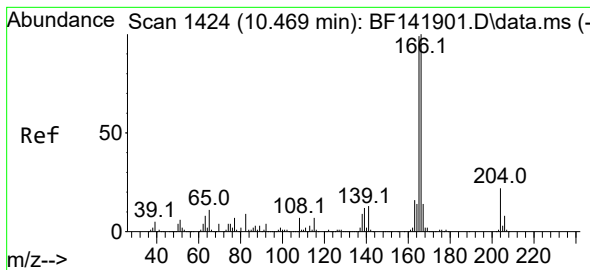
Tgt Ion:139 Resp: 4510136
Ion Ratio Lower Upper
139 100
109 0.9 61.6 101.6#
65 1.3 79.4 119.4#



#57
2,4-Dinitrotoluene
Concen: 3.828 ng
RT: 10.139 min Scan# 1368
Delta R.T. 0.035 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:165 Resp: 20703
Ion Ratio Lower Upper
165 100
63 1038.9 35.4 53.2#
89 654.1 56.6 84.8#
182 14.4 2.2 3.4#





#58

Fluorene

Concen: 600.824 ng

RT: 10.498 min Scan# 14

Delta R.T. 0.030 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

Instrument :

BNA_F

ClientSampleId :

RT3407

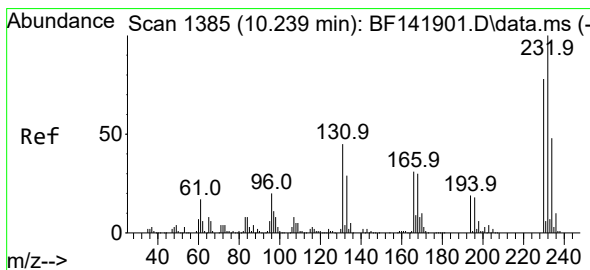
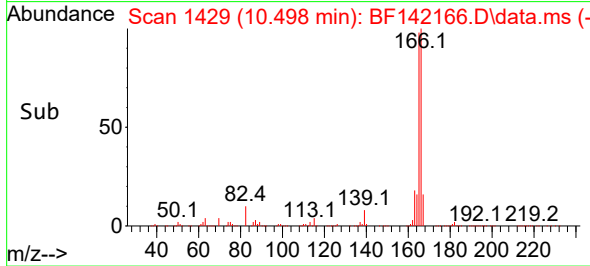
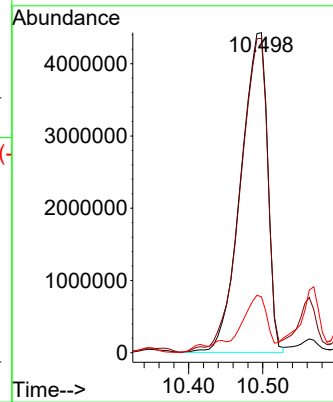
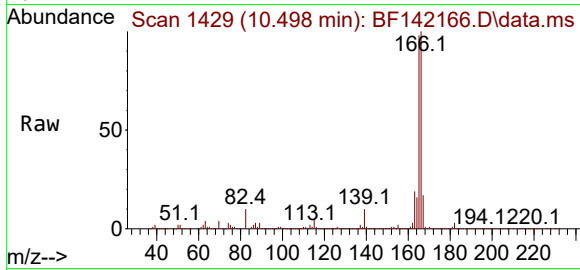
Tgt Ion:166 Resp:11104818

Ion Ratio Lower Upper

166 100

165 98.2 79.0 118.4

167 17.4 11.0 16.4#



#59

2,3,4,6-Tetrachlorophenol

Concen: 3.434 ng

RT: 10.210 min Scan# 1380

Delta R.T. -0.029 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

Tgt Ion:232 Resp: 17883

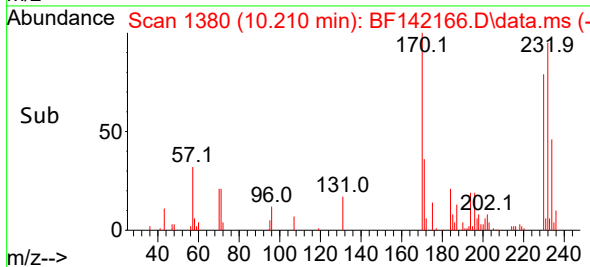
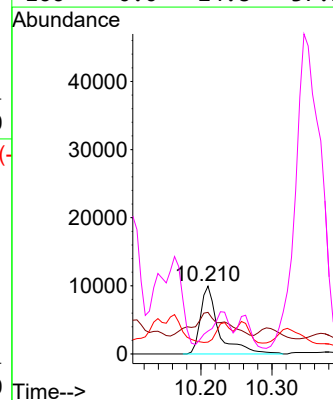
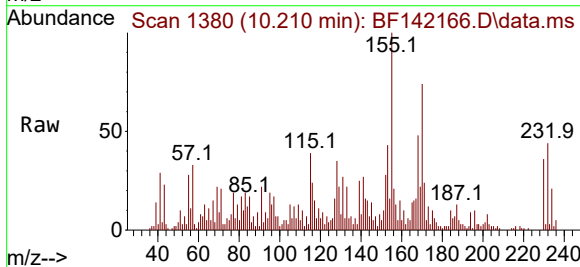
Ion Ratio Lower Upper

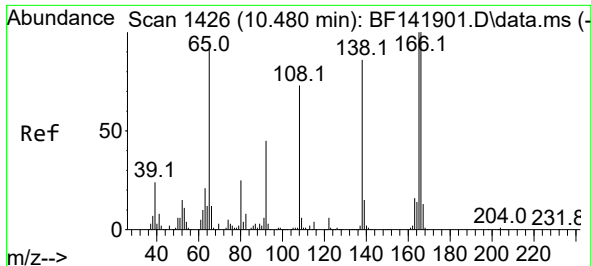
232 100

131 57.6 37.3 55.9#

130 0.0 1.9 2.9#

166 0.0 24.8 37.2#

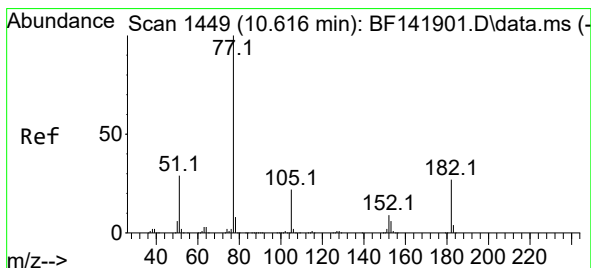
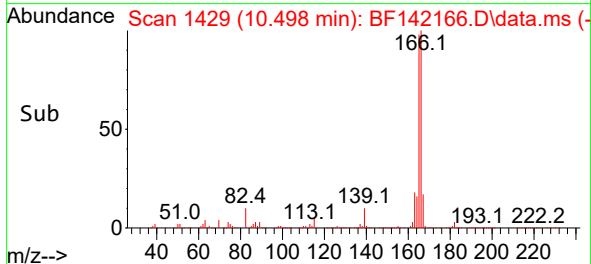
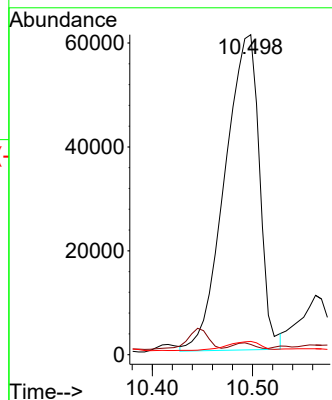
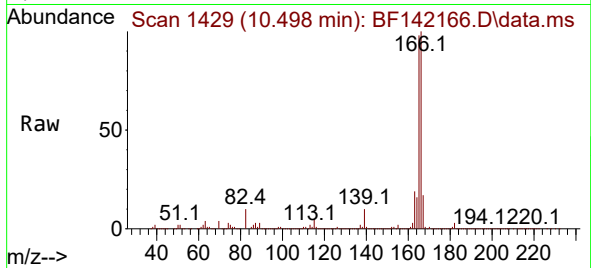




#62
4-Nitroaniline
Concen: 35.535 ng
RT: 10.498 min Scan# 1426
Delta R.T. 0.018 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

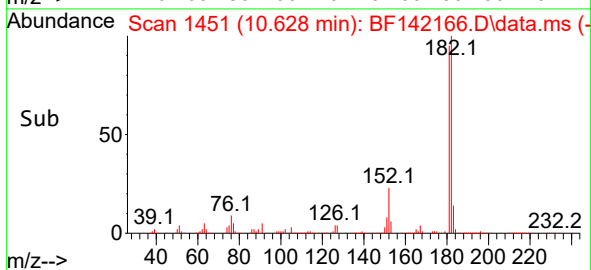
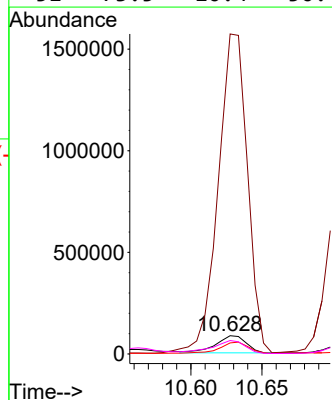
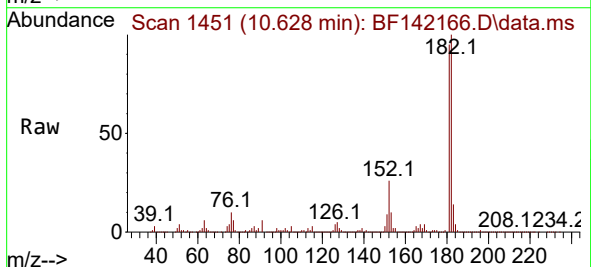
Instrument :
BNA_F
ClientSampleId :
RT3407

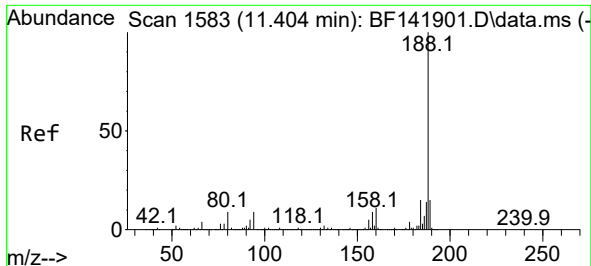
Tgt Ion:138 Resp: 145312
Ion Ratio Lower Upper
138 100
92 3.2 32.6 72.6#
108 4.1 65.0 105.0#



#63
Azobenzene
Concen: 6.850 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.012 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion: 77 Resp: 126288
Ion Ratio Lower Upper
77 100
182 1745.7 6.6 46.6#
105 60.7 1.3 41.3#
51 73.5 10.4 50.4#

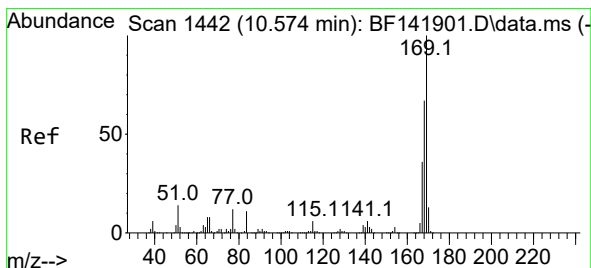
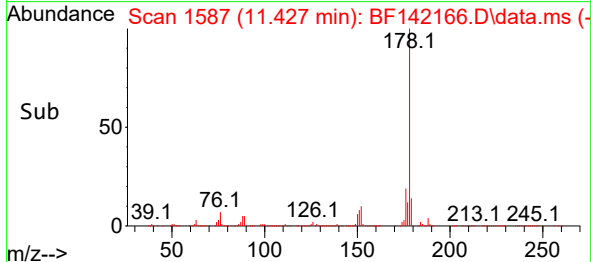
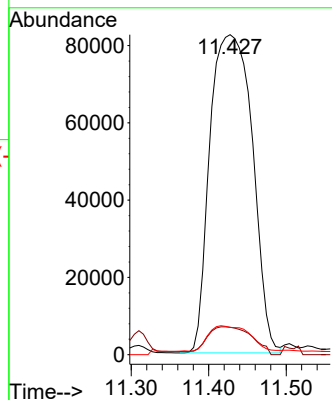
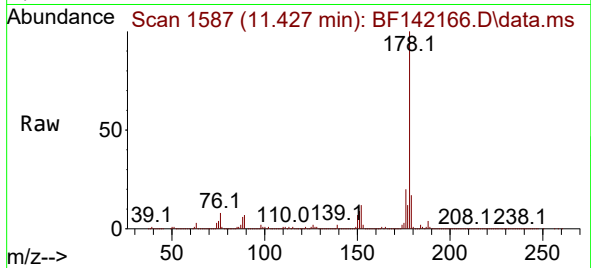




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 11
Delta R.T. 0.023 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

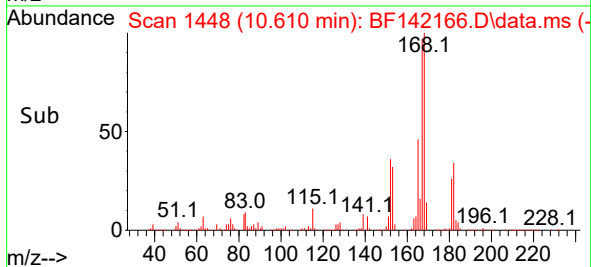
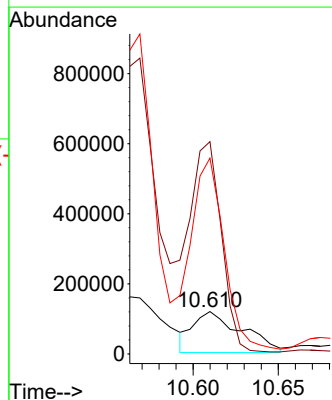
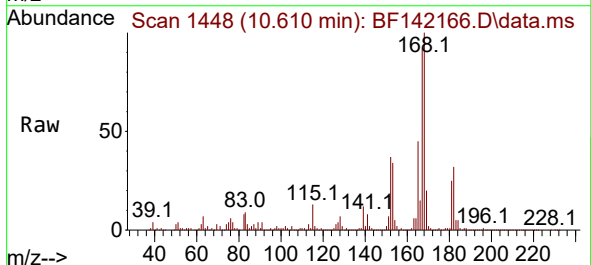
Instrument :
BNA_F
ClientSampleId :
RT3407

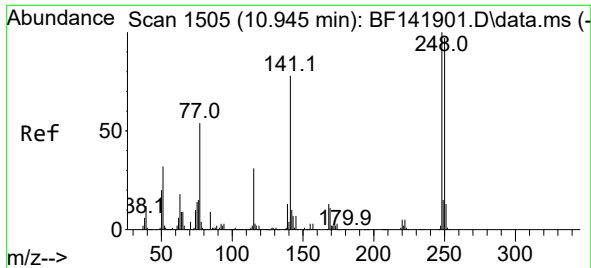
Tgt Ion:188 Resp: 313569
Ion Ratio Lower Upper
188 100
94 8.5 6.8 10.2
80 8.6 7.6 11.4



#66
n-Nitrosodiphenylamine
Concen: 22.883 ng
RT: 10.610 min Scan# 1448
Delta R.T. 0.035 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:169 Resp: 232201
Ion Ratio Lower Upper
169 100
168 500.4 53.7 80.5#
167 461.6 29.2 43.8#

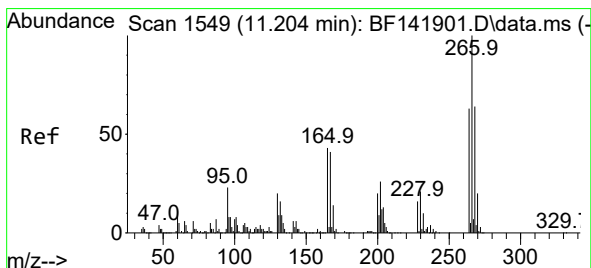
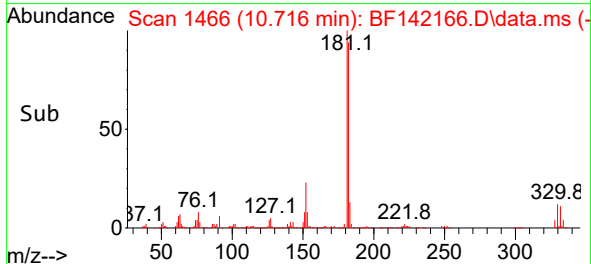
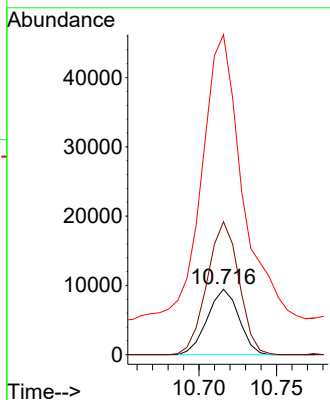
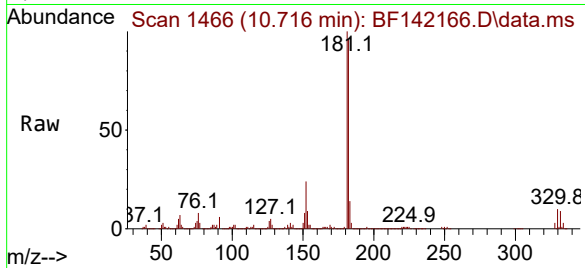




#67
4-Bromophenyl-phenylether
Concen: 3.394 ng
RT: 10.716 min Scan# 14
Delta R.T. -0.229 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

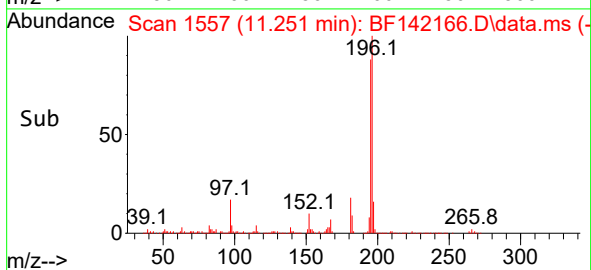
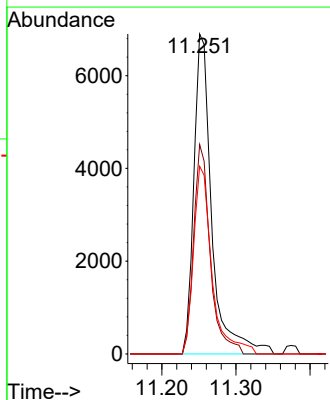
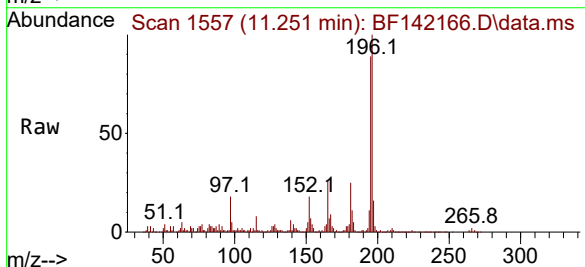
Instrument :
BNA_F
ClientSampleId :
RT3407

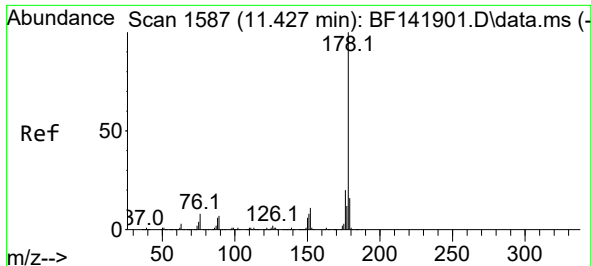
Tgt Ion:248 Resp: 13364
Ion Ratio Lower Upper
248 100
250 203.0 77.8 116.8#
141 488.4 62.6 93.8#



#70
Pentachlorophenol
Concen: 4.359 ng
RT: 11.251 min Scan# 1557
Delta R.T. 0.047 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:266 Resp: 11599
Ion Ratio Lower Upper
266 100
268 65.5 51.0 76.6
264 58.6 50.2 75.2

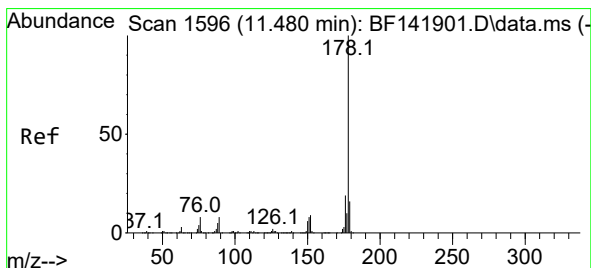
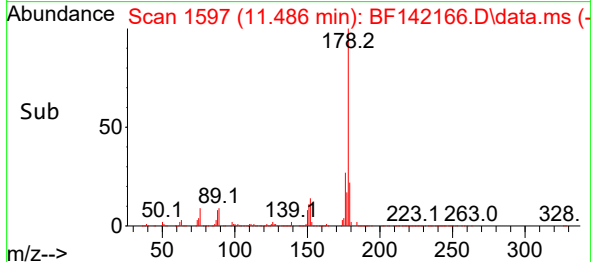
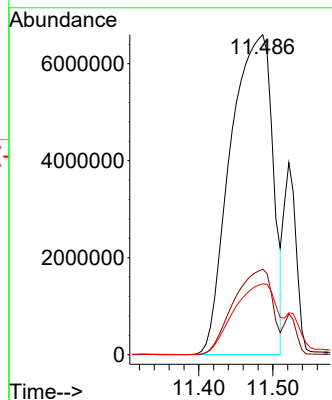
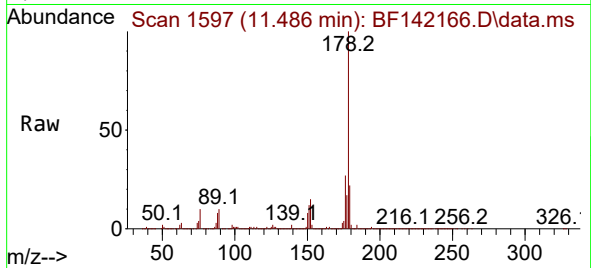




#71
Phenanthrene
Concen: 1541.958 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.059 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

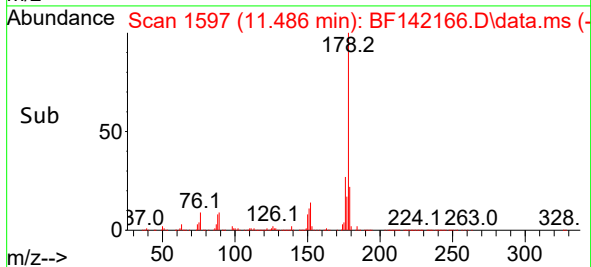
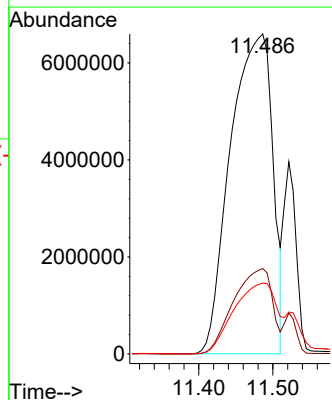
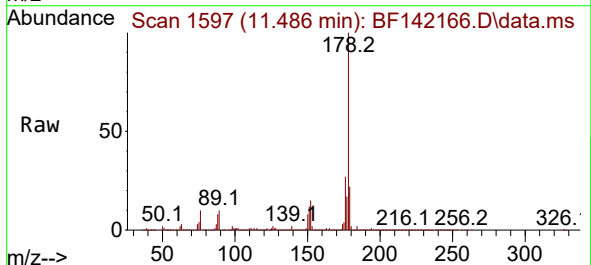
Instrument :
BNA_F
ClientSampleId :
RT3407

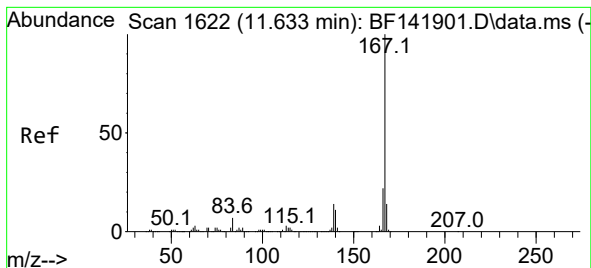
Tgt Ion:178 Resp:26115939
Ion Ratio Lower Upper
178 100
176 26.7 15.8 23.8#
179 22.2 12.6 19.0#



#72
Anthracene
Concen: 1536.944 ng
RT: 11.486 min Scan# 1597
Delta R.T. 0.006 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:178 Resp:26115939
Ion Ratio Lower Upper
178 100
176 26.7 15.1 22.7#
179 22.2 12.6 19.0#





#73

Carbazole

Concen: 119.470 ng

RT: 11.645 min Scan# 1

Delta R.T. 0.012 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

Instrument :

BNA_F

ClientSampleId :

RT3407

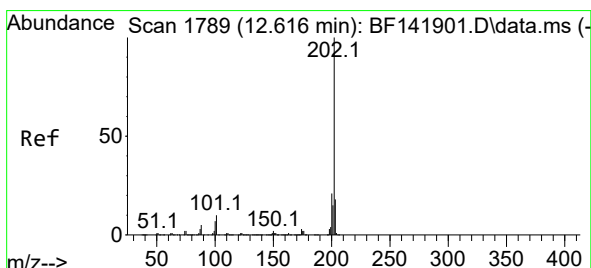
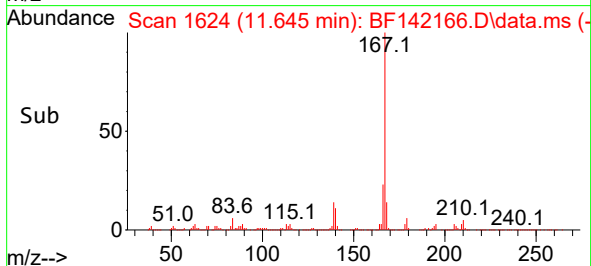
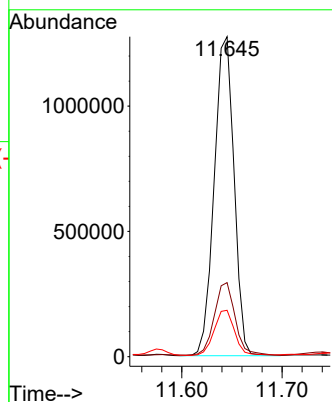
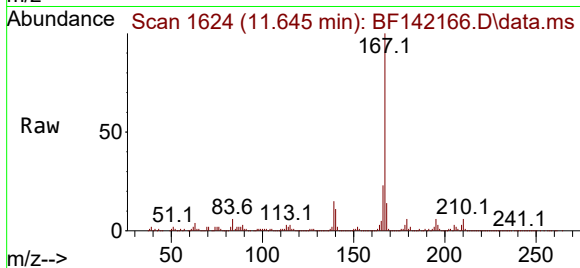
Tgt Ion:167 Resp: 1750734

Ion Ratio Lower Upper

167 100

166 23.2 17.4 26.2

139 14.5 11.0 16.6



#75

Fluoranthene

Concen: 1048.675 ng

RT: 12.663 min Scan# 1797

Delta R.T. 0.047 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

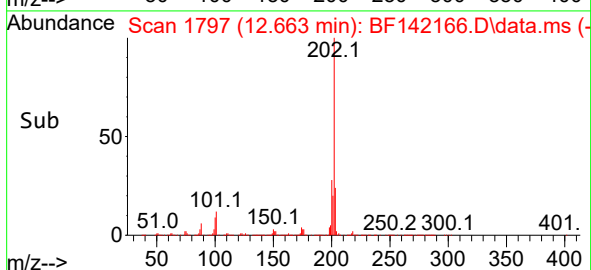
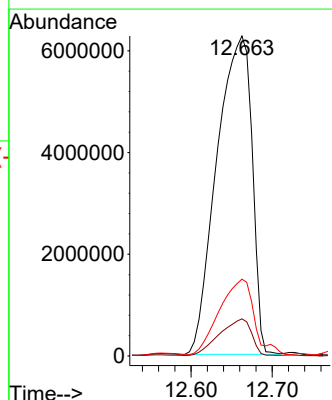
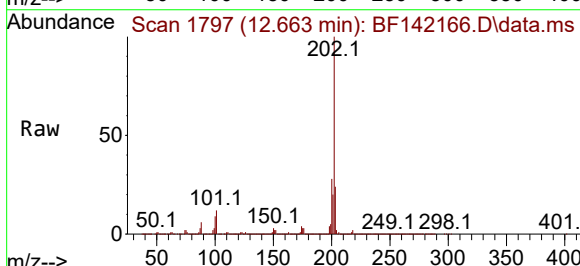
Tgt Ion:202 Resp:18840586

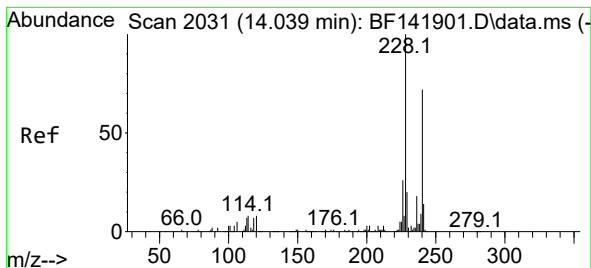
Ion Ratio Lower Upper

202 100

101 11.6 0.0 29.7

203 24.0 0.0 37.8





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.018 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

Instrument :

BNA_F

ClientSampleId :

RT3407

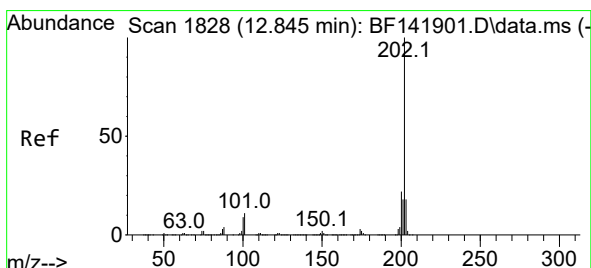
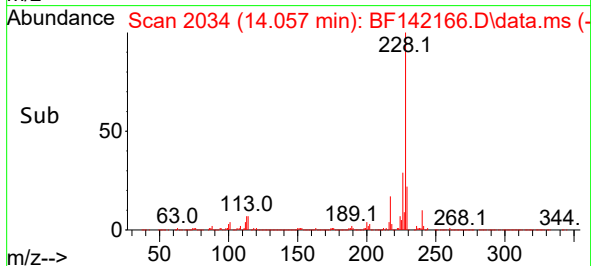
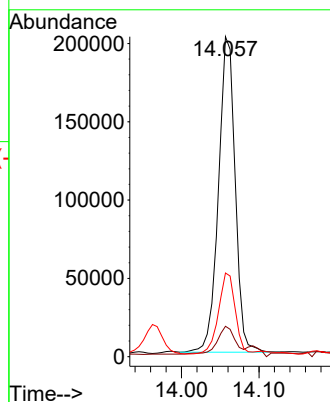
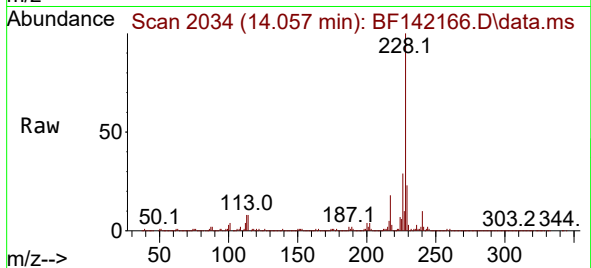
Tgt Ion:240 Resp: 302133

Ion Ratio Lower Upper

240 100

120 9.5 8.4 12.6

236 26.2 20.5 30.7



#78

Pyrene

Concen: 512.413 ng

RT: 12.886 min Scan# 1835

Delta R.T. 0.041 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

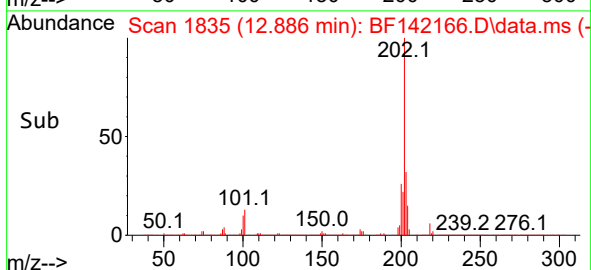
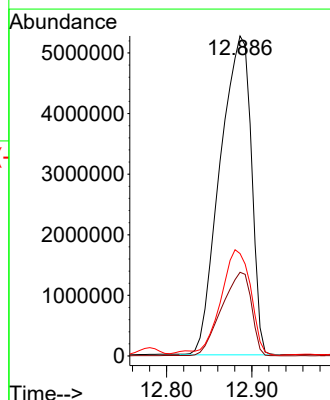
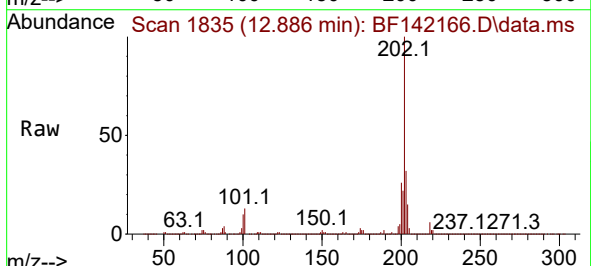
Tgt Ion:202 Resp:13391821

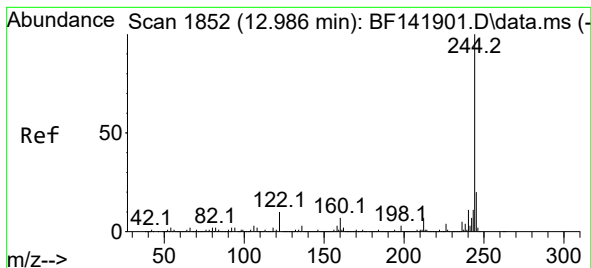
Ion Ratio Lower Upper

202 100

200 26.2 17.3 25.9#

203 32.0 14.4 21.6#





#79

Terphenyl-d14

Concen: 58.532 ng

RT: 12.992 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

Instrument :

BNA_F

ClientSampleId :

RT3407

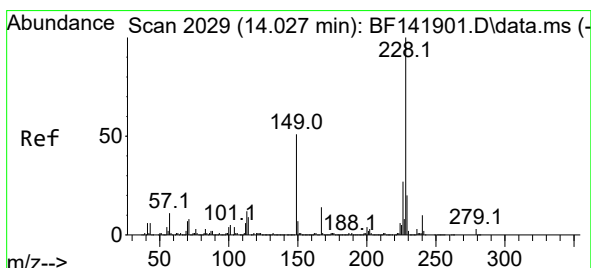
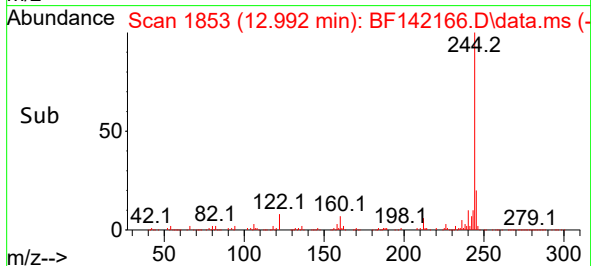
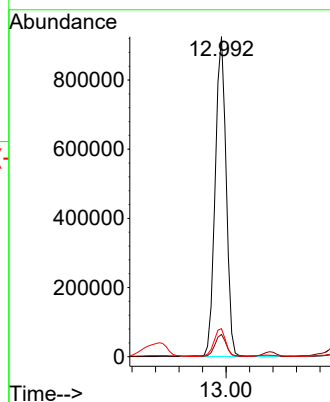
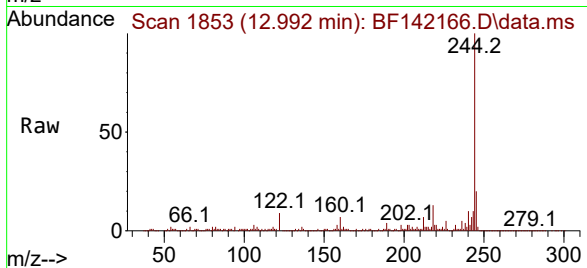
Tgt Ion:244 Resp: 1196145

Ion Ratio Lower Upper

244 100

212 7.0 6.0 9.0

122 8.7 7.7 11.5



#81

Benzo(a)anthracene

Concen: 255.370 ng

RT: 14.051 min Scan# 2033

Delta R.T. 0.024 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

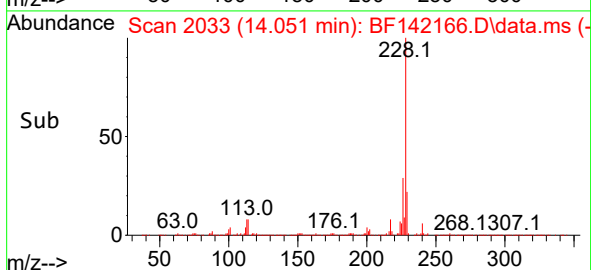
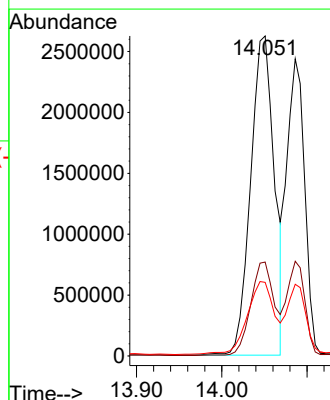
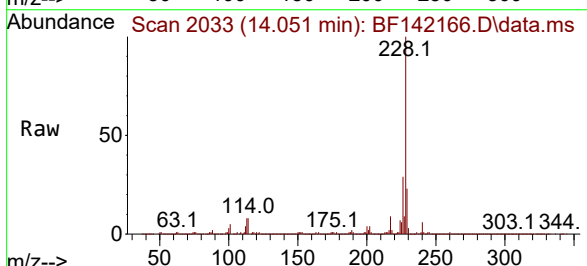
Tgt Ion:228 Resp: 5062995

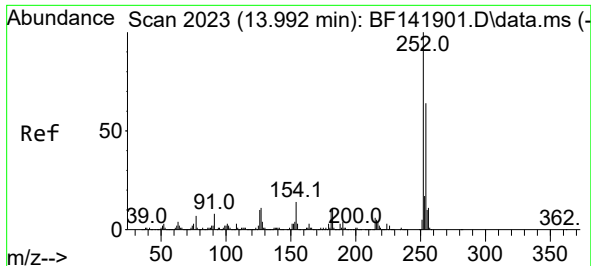
Ion Ratio Lower Upper

228 100

226 29.3 21.8 32.8

229 23.0 16.0 24.0

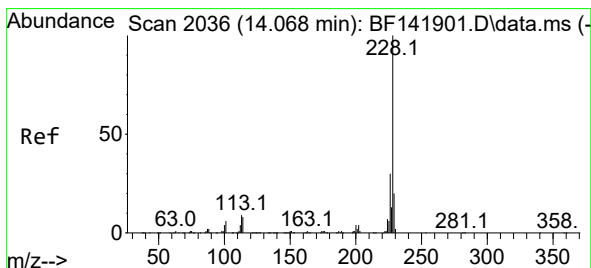
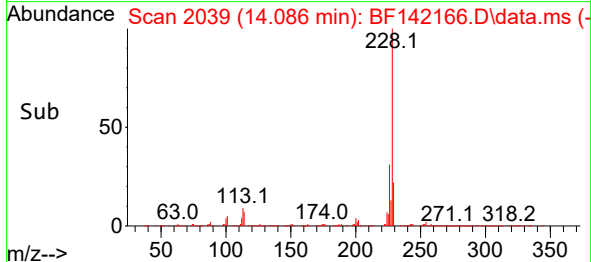
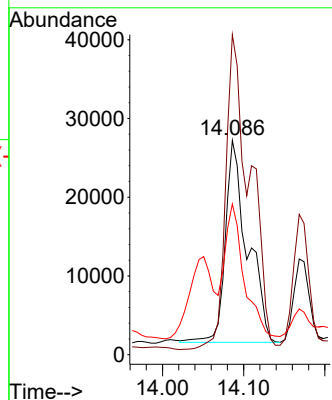
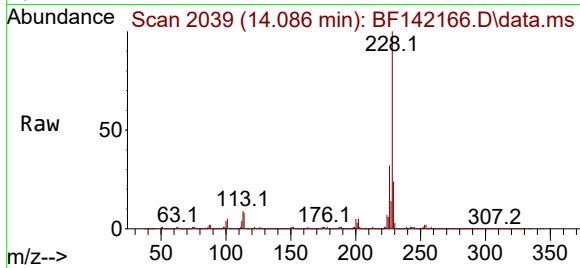




#82
 3,3'-Dichlorobenzidine
 Concen: 8.506 ng
 RT: 14.086 min Scan# 2023
 Delta R.T. 0.094 min
 Lab File: BF142166.D
 Acq: 28 Mar 2025 18:03

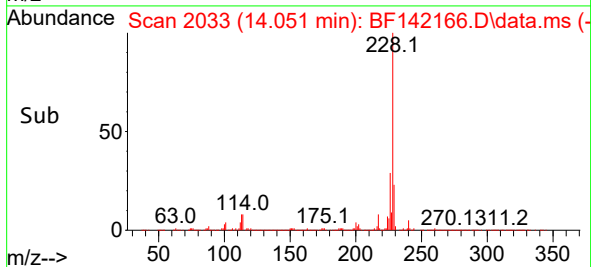
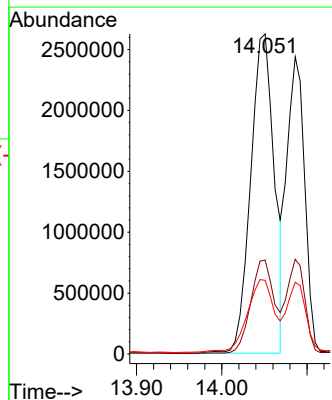
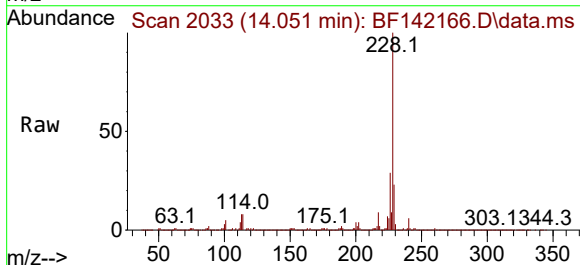
Instrument :
 BNA_F
 ClientSampleId :
 RT3407

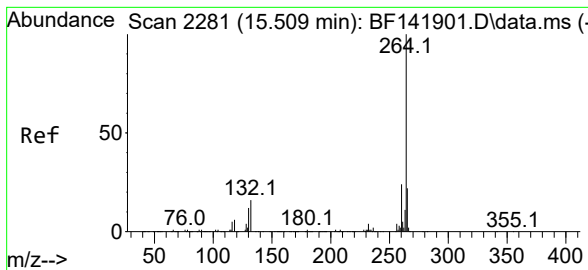
Tgt Ion:252 Resp: 48732
 Ion Ratio Lower Upper
 252 100
 254 149.3 51.0 76.6#
 126 70.3 8.4 12.6#



#83
 Chrysene
 Concen: 281.721 ng
 RT: 14.051 min Scan# 2033
 Delta R.T. -0.018 min
 Lab File: BF142166.D
 Acq: 28 Mar 2025 18:03

Tgt Ion:228 Resp: 5062995
 Ion Ratio Lower Upper
 228 100
 226 29.3 24.1 36.1
 229 23.0 15.7 23.5

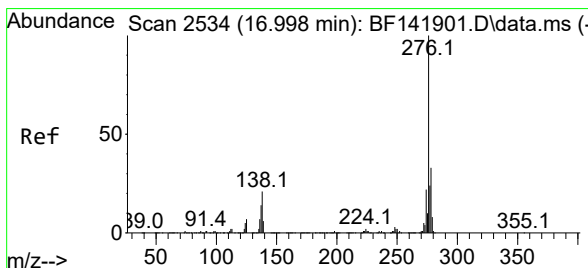
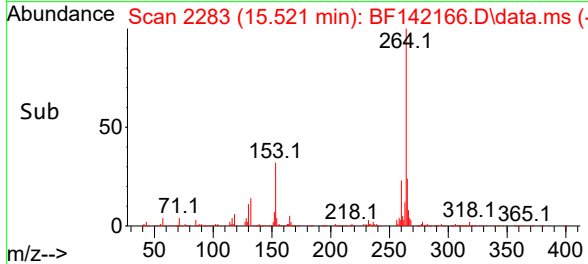
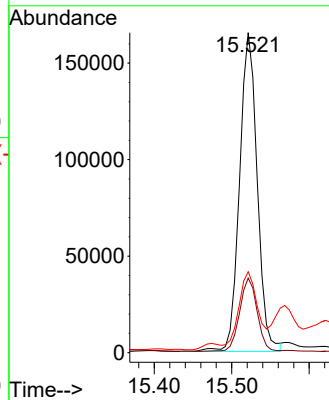
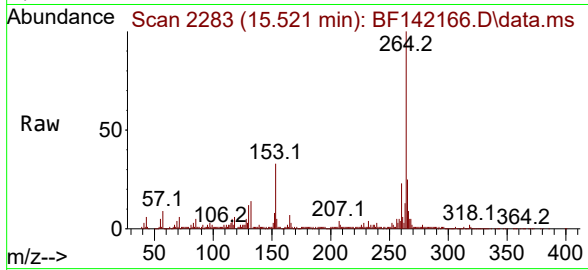




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.521 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

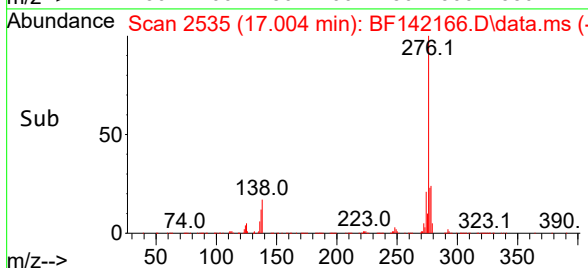
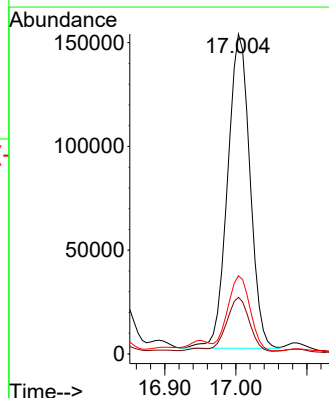
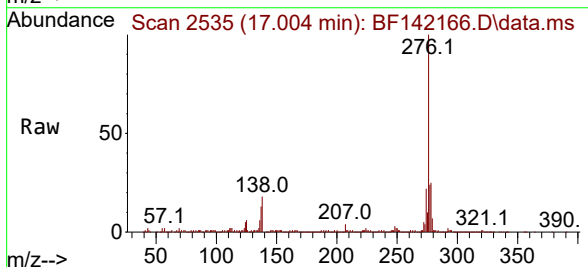
Instrument :
BNA_F
ClientSampleId :
RT3407

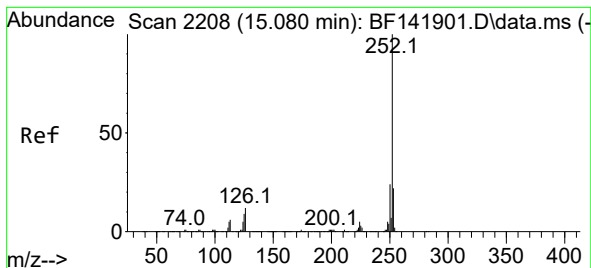
Tgt Ion:264 Resp: 261945
Ion Ratio Lower Upper
264 100
260 23.3 19.1 28.7
265 25.3 17.5 26.3



#87
Indeno(1,2,3-cd)pyrene
Concen: 19.547 ng
RT: 17.004 min Scan# 2535
Delta R.T. 0.006 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:276 Resp: 331215
Ion Ratio Lower Upper
276 100
138 17.0 18.4 27.6#
277 24.0 20.3 30.5





#88

Benzo(b)fluoranthene

Concen: 152.653 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.018 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

Instrument :

BNA_F

ClientSampleId :

RT3407

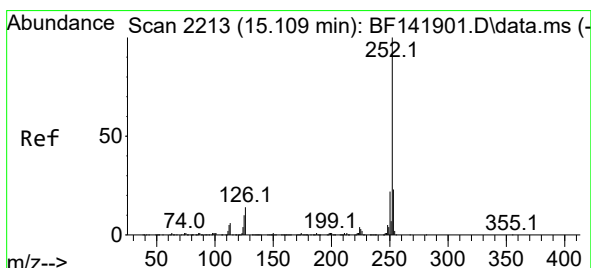
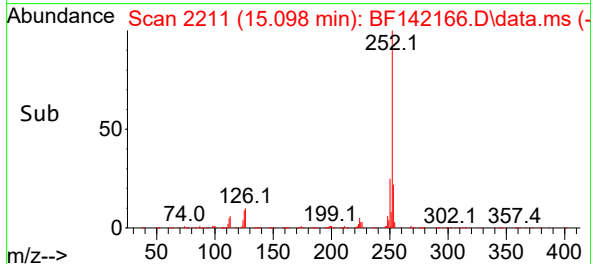
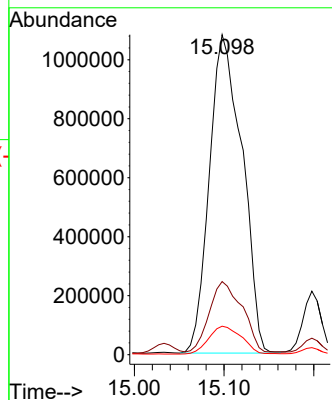
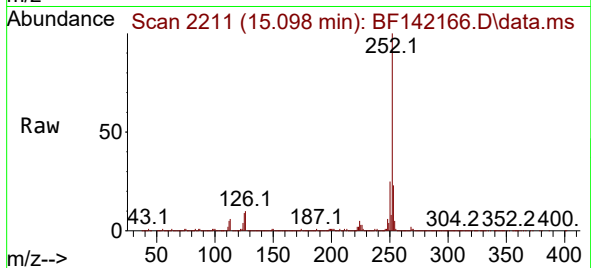
Tgt Ion:252 Resp: 2740515

Ion Ratio Lower Upper

252 100

253 22.9 17.5 26.3

125 8.9 7.0 10.4



#89

Benzo(k)fluoranthene

Concen: 178.380 ng

RT: 15.098 min Scan# 2211

Delta R.T. -0.012 min

Lab File: BF142166.D

Acq: 28 Mar 2025 18:03

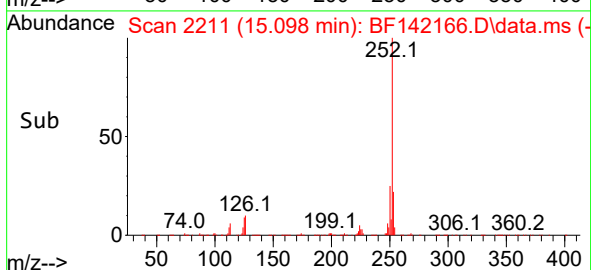
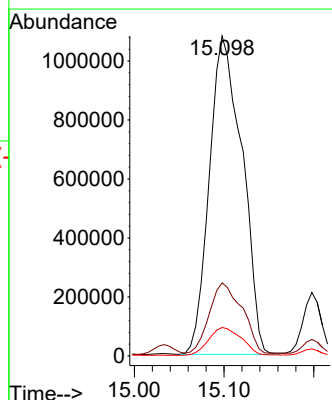
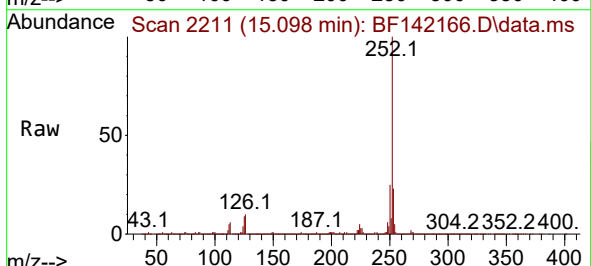
Tgt Ion:252 Resp: 2740515

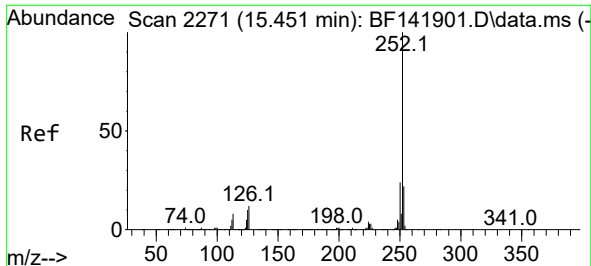
Ion Ratio Lower Upper

252 100

253 22.9 17.7 26.5

125 8.9 7.2 10.8

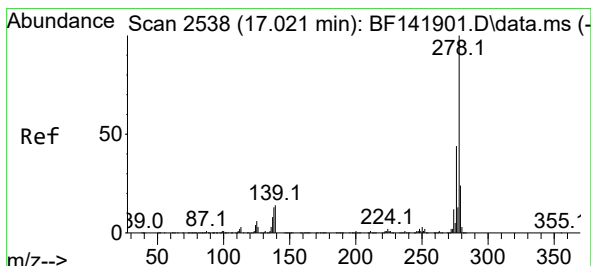
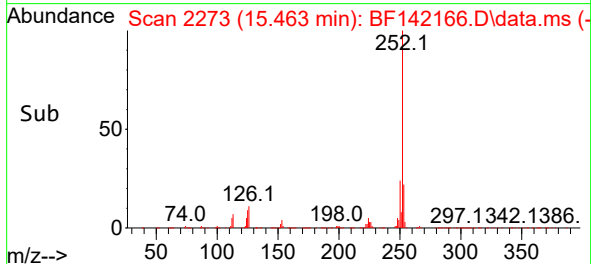
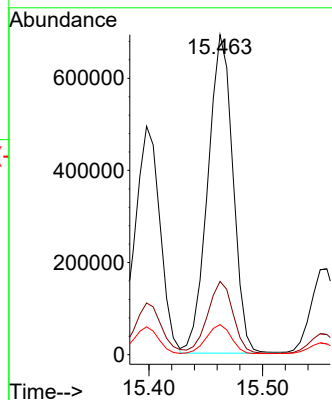
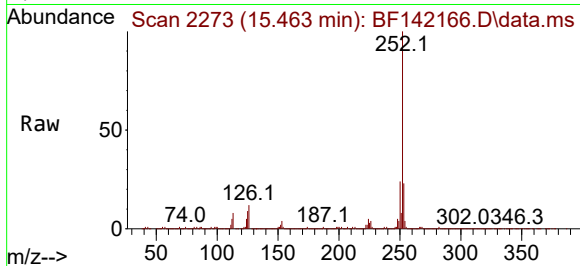




#90
Benzo(a)pyrene
Concen: 75.768 ng
RT: 15.463 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

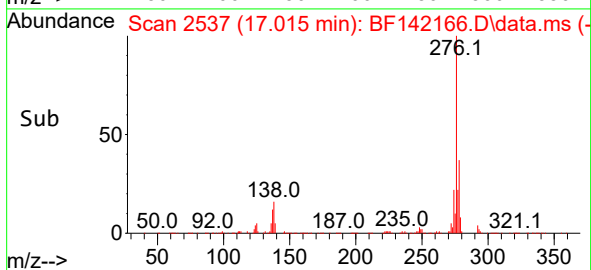
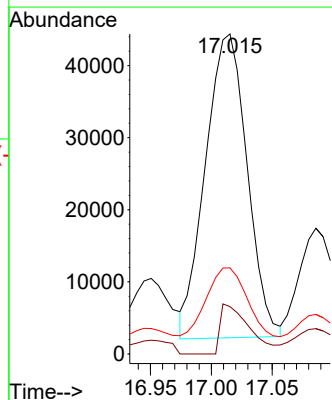
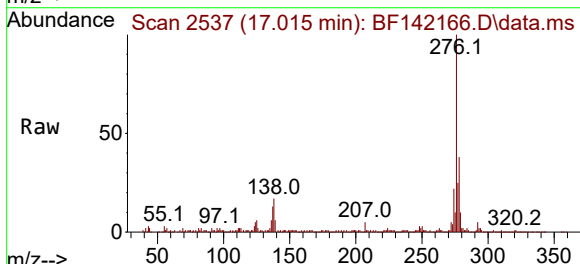
Instrument :
BNA_F
ClientSampleId :
RT3407

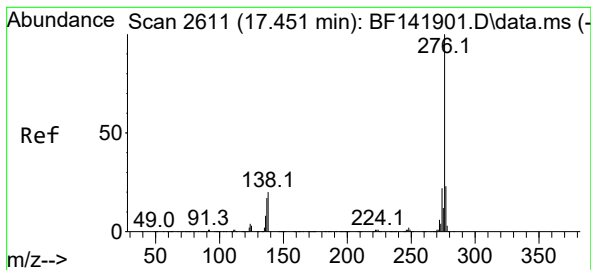
Tgt Ion:252 Resp: 1064327
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 9.4 7.8 11.8



#91
Dibenzo(a,h)anthracene
Concen: 7.183 ng
RT: 17.015 min Scan# 2537
Delta R.T. -0.006 min
Lab File: BF142166.D
Acq: 28 Mar 2025 18:03

Tgt Ion:278 Resp: 100426
Ion Ratio Lower Upper
278 100
139 14.8 11.4 17.2
279 26.9 18.8 28.2





#92

Benzo(g,h,i)perylene

Concen: 18.570 ng

RT: 17.456 min Scan# 20

Delta R.T. 0.006 min

Lab File: BF142166.D

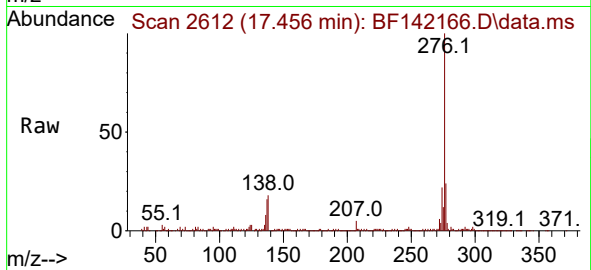
Acq: 28 Mar 2025 18:03

Instrument :

BNA_F

ClientSampleId :

RT3407



Tgt Ion:276 Resp: 256558

Ion Ratio Lower Upper

276 100

277 23.7 18.7 28.1

138 17.6 15.8 23.8

