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 Data File : BF142768.D
 Acq On : 12 Jun 2025 20:26
 Operator : RC/JU
 Sample : Q2283-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0166-MOO-25-0167

Quant Time: Jun 13 01:01:33 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

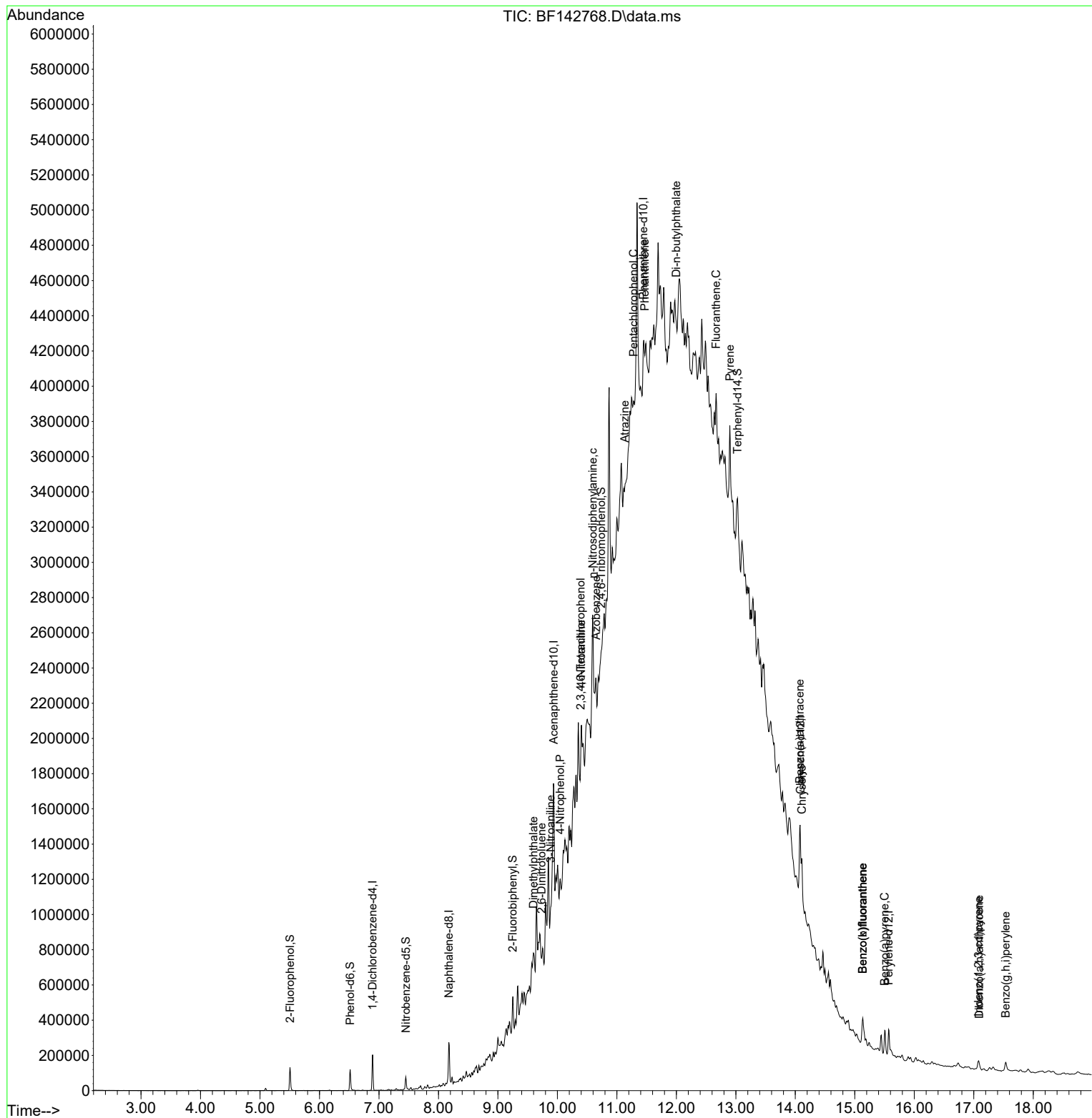
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.892	152	44093	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	146491	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	72919	20.000	ng	0.00
64) Phenanthrene-d10	11.445	188	116036	20.000	ng	# 0.02
76) Chrysene-d12	14.086	240	111742	20.000	ng	# 0.02
86) Perylene-d12	15.568	264	90100	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	52766	20.381	ng	0.00
7) Phenol-d6	6.516	99	57264	18.795	ng	0.00
23) Nitrobenzene-d5	7.451	82	31989	11.951	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	15752	19.710	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	74434	13.562	ng	0.00
79) Terphenyl-d14	13.027	244	84376	10.371	ng	0.02
Target Compounds						
50) Dimethylphthalate	9.598	163	21632	4.442	ng	# 43
51) 2,6-Dinitrotoluene	9.733	165	2833	2.692	ng	# 42
53) 3-Nitroaniline	9.886	138	4790	4.196	ng	# 33
56) 4-Nitrophenol	10.045	139	1718	2.219	ng	# 1
59) 2,3,4,6-Tetrachlorophenol	10.392	232	4156	3.348	ng	# 48
62) 4-Nitroaniline	10.398	138	9754	9.551	ng	89
63) Azobenzene	10.651	77	14169	3.360	ng	# 30
66) n-Nitrosodiphenylamine	10.598	169	10832	2.716	ng	# 80
69) Atrazine	11.133	200	3219	3.027	ng	# 1
70) Pentachlorophenol	11.280	266	2634	3.305	ng	# 5
71) Phenanthrene	11.469	178	38407	6.178	ng	# 35
74) Di-n-butylphthalate	11.998	149	22519	3.746	ng	# 27
75) Fluoranthene	12.668	202	135456	22.915	ng	87
78) Pyrene	12.898	202	285683	27.511	ng	# 95
81) Benzo(a)anthracene	14.074	228	153597	20.743	ng	# 91
83) Chrysene	14.110	228	137475	20.109	ng	# 94
87) Indeno(1,2,3-cd)pyrene	17.080	276	36399	5.451	ng	98
88) Benzo(b)fluoranthene	15.133	252	120294	22.675	ng	# 94
89) Benzo(k)fluoranthene	15.133	252	120305	23.372	ng	# 93
90) Benzo(a)pyrene	15.504	252	86265	17.102	ng	# 96
91) Dibenzo(a,h)anthracene	17.092	278	11454	2.101	ng	# 77
92) Benzo(g,h,i)perylene	17.539	276	44622	8.231	ng	95

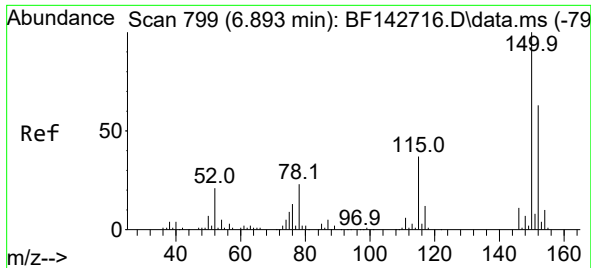
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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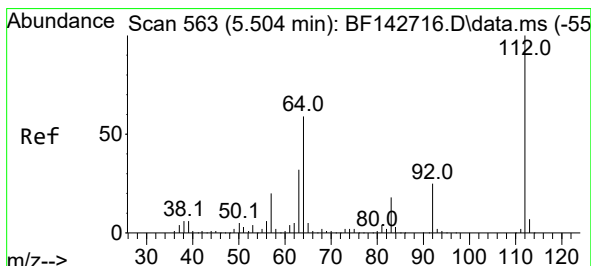
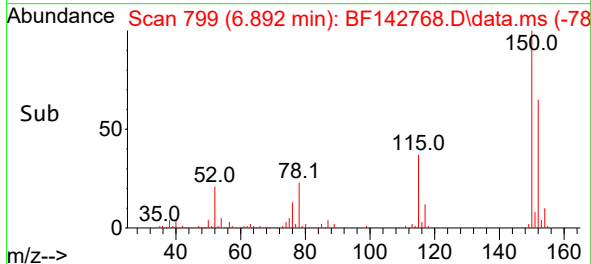
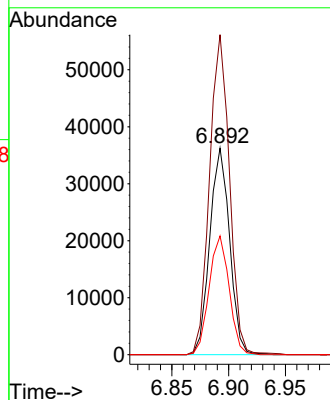
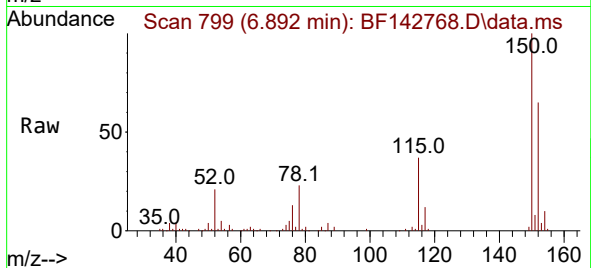




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.892 min Scan# 799
 Delta R.T. -0.001 min
 Lab File: BF142768.D
 Acq: 12 Jun 2025 20:26

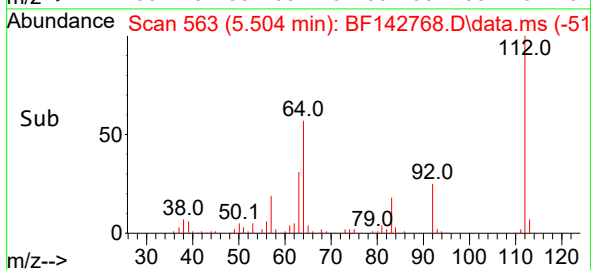
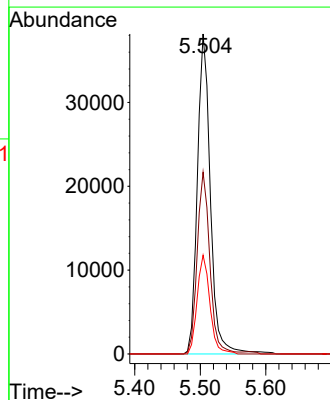
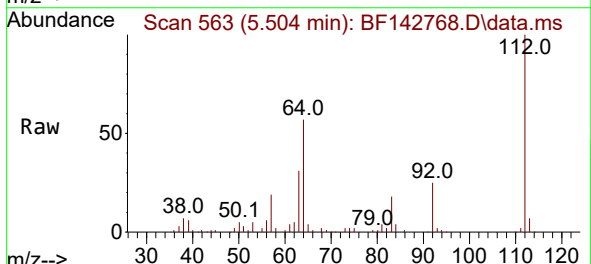
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 ClientSampleId :
 MOO-25-0166-MOO-25-0167

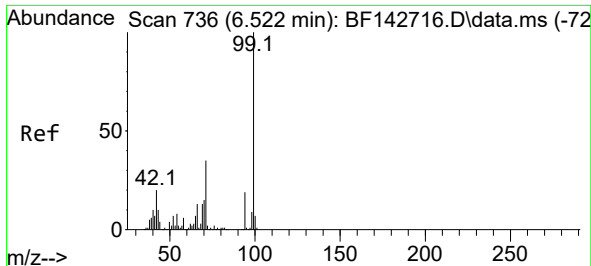
Tgt Ion:152 Resp: 44093
 Ion Ratio Lower Upper
 152 100
 150 154.9 126.9 190.3
 115 57.5 47.0 70.6



#5
 2-Fluorophenol
 Concen: 20.381 ng
 RT: 5.504 min Scan# 563
 Delta R.T. 0.000 min
 Lab File: BF142768.D
 Acq: 12 Jun 2025 20:26

Tgt Ion:112 Resp: 52766
 Ion Ratio Lower Upper
 112 100
 64 56.8 47.4 71.2
 63 30.9 25.4 38.0





#7

Phenol-d6

Concen: 18.795 ng

RT: 6.516 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF142768.D

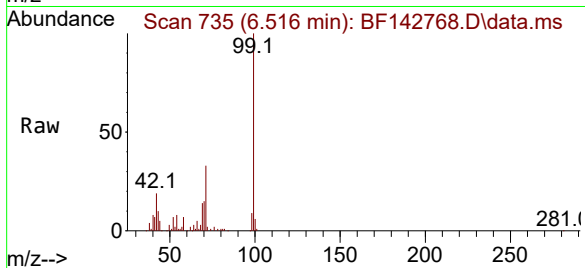
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Instrument :

BNA_F

ClientSampleId :

MOO-25-0166-MOO-25-0167



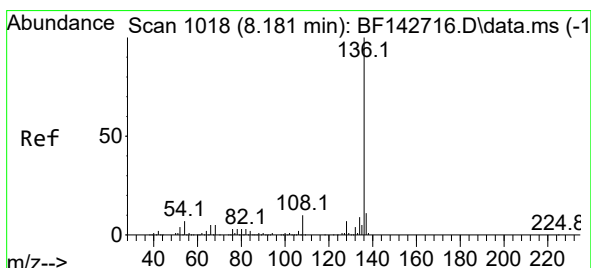
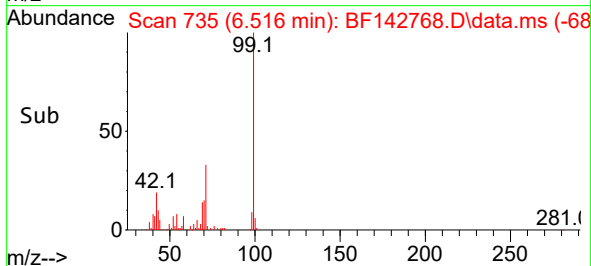
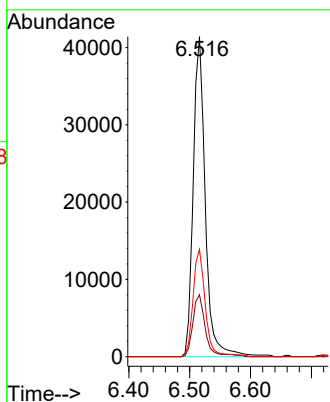
Tgt Ion: 99 Resp: 57264

Ion Ratio Lower Upper

99 100

42 19.3 15.9 23.9

71 33.5 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: BF142768.D

Acq: 12 Jun 2025 20:26

Tgt Ion: 136 Resp: 146491

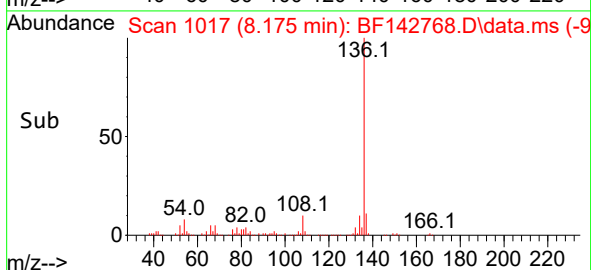
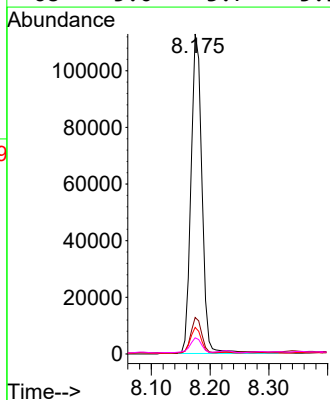
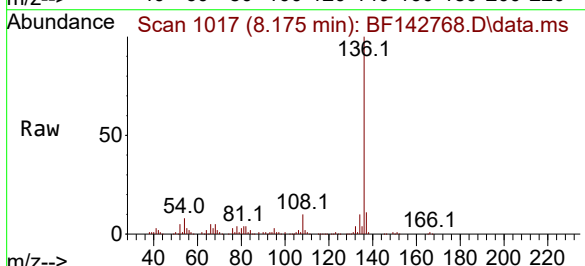
Ion Ratio Lower Upper

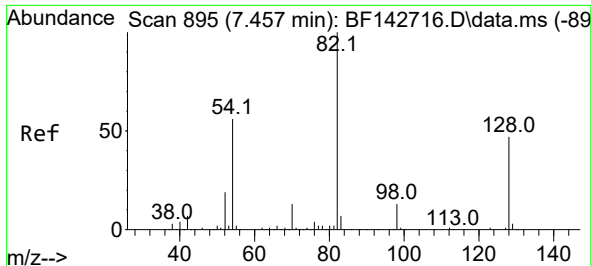
136 100

137 11.4 8.7 13.1

54 8.3 5.9 8.9

68 5.0 3.7 5.5

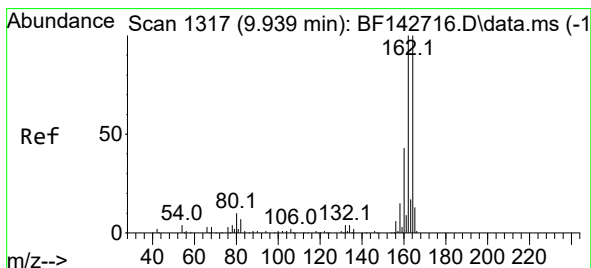
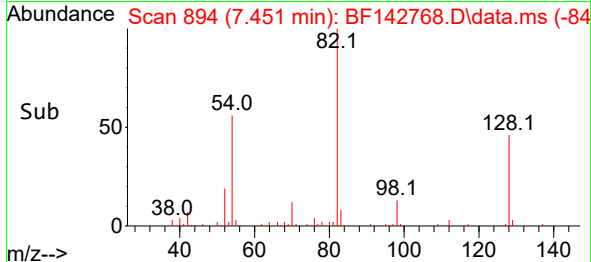
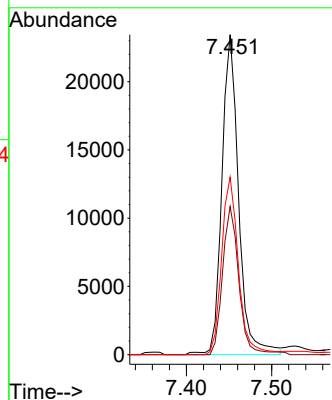
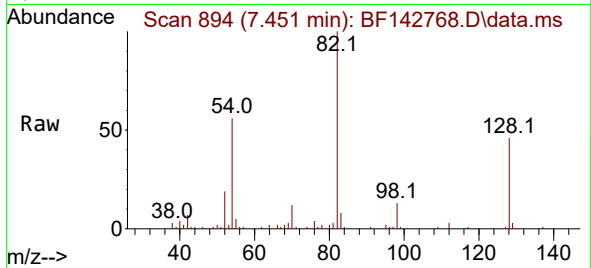




#23
Nitrobenzene-d5
Concen: 11.951 ng
RT: 7.451 min Scan# 894
Delta R.T. -0.006 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

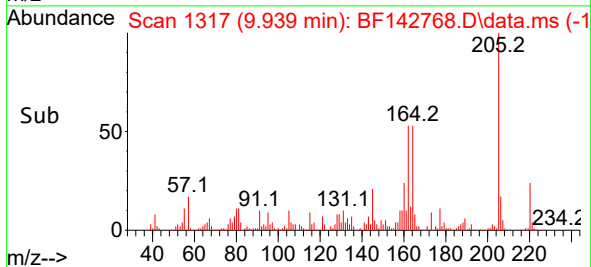
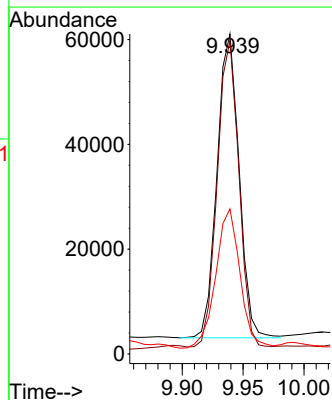
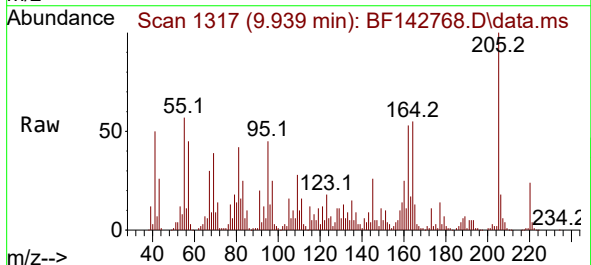
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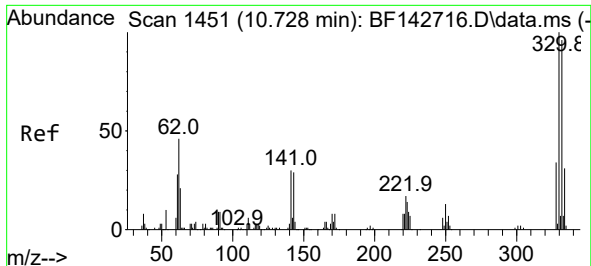
Tgt Ion: 82 Resp: 31989
Ion Ratio Lower Upper
82 100
128 46.3 37.8 56.8
54 55.5 44.9 67.3



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

Tgt Ion:164 Resp: 72919
Ion Ratio Lower Upper
164 100
162 98.0 79.9 119.9
160 45.4 34.8 52.2

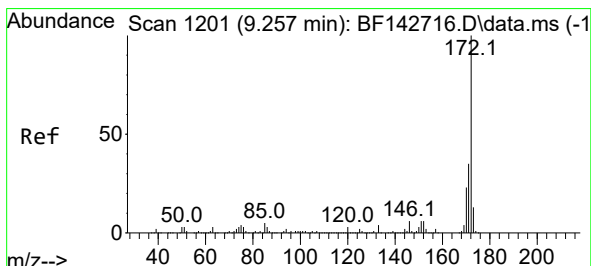
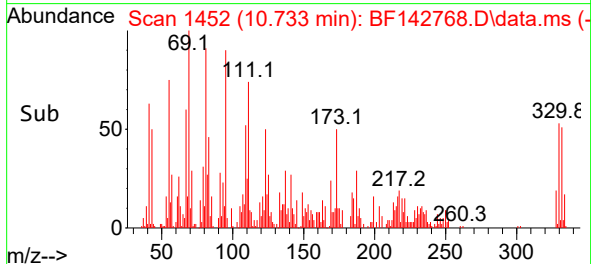
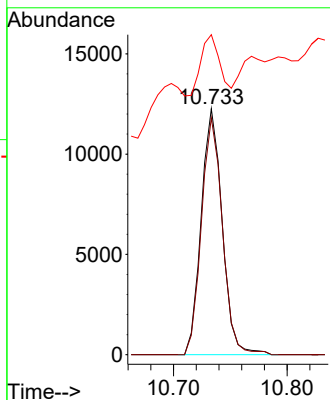
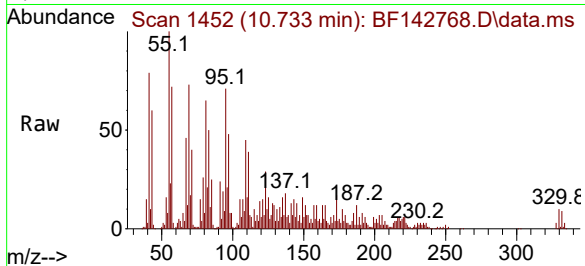




#42
2,4,6-Tribromophenol
Concen: 19.710 ng
RT: 10.733 min Scan# 1451
Delta R.T. 0.005 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

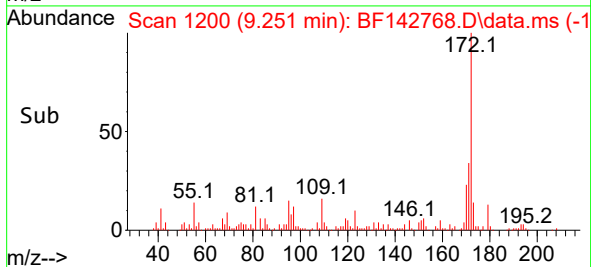
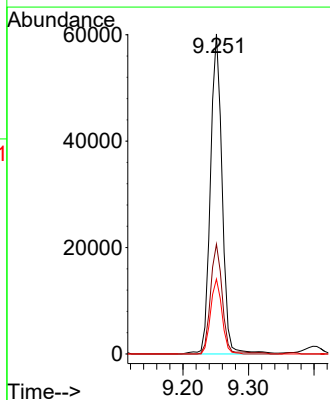
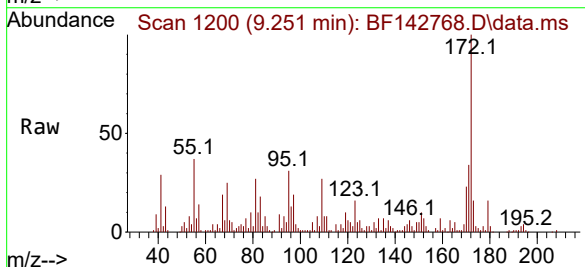
Instrument :
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ClientSampleId :
MOO-25-0166-MOO-25-0167

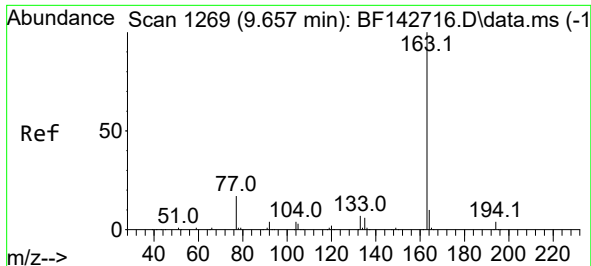
Tgt Ion: 330 Resp: 15752
Ion Ratio Lower Upper
330 100
332 96.3 77.0 115.6
141 22.2 25.4 38.0#



#45
2-Fluorobiphenyl
Concen: 13.562 ng
RT: 9.251 min Scan# 1200
Delta R.T. -0.006 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

Tgt Ion: 172 Resp: 74434
Ion Ratio Lower Upper
172 100
171 34.3 28.1 42.1
170 23.4 18.6 27.8

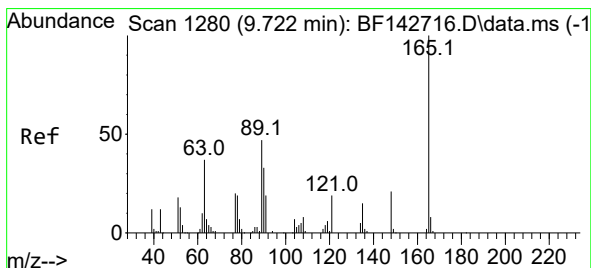
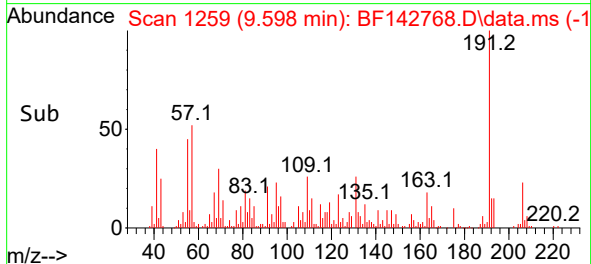
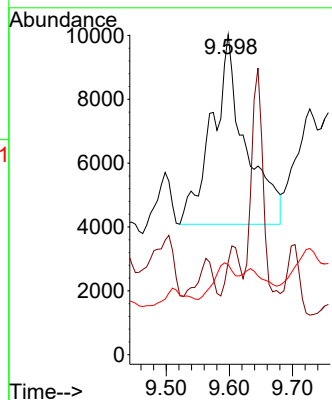
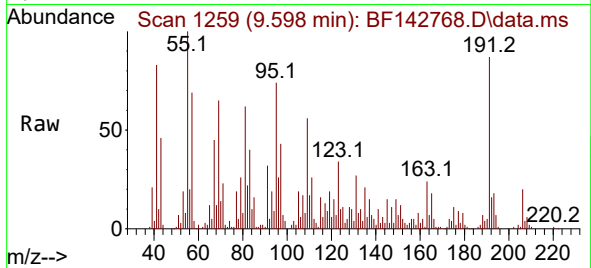




#50
Dimethylphthalate
Concen: 4.442 ng
RT: 9.598 min Scan# 1259
Delta R.T. -0.059 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

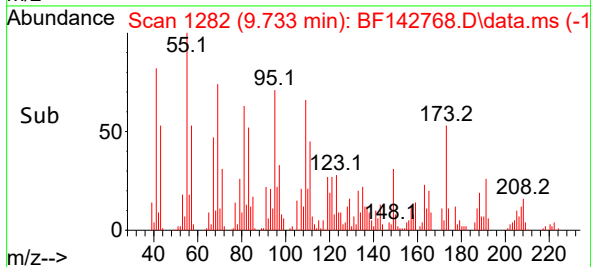
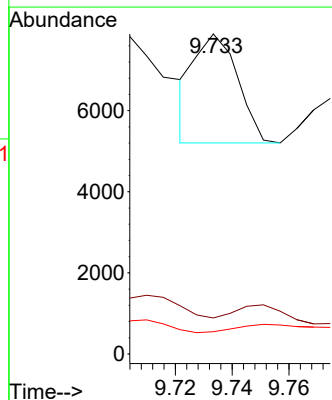
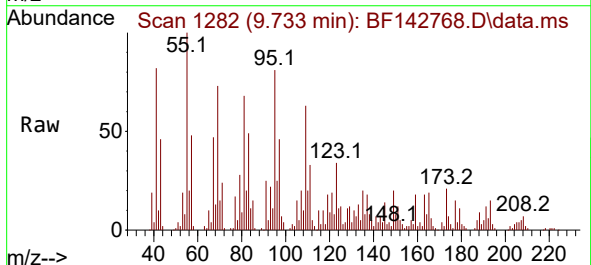
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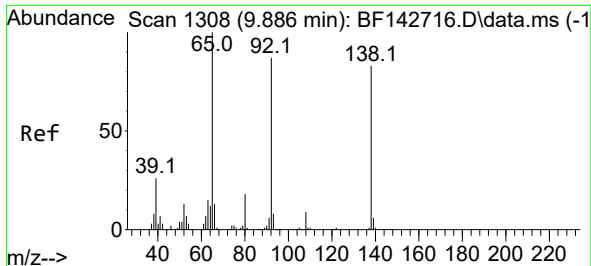
Tgt Ion:163 Resp: 21632
Ion Ratio Lower Upper
163 100
194 28.9 3.2 4.8#
164 28.2 8.0 12.0#



#51
2,6-Dinitrotoluene
Concen: 2.692 ng
RT: 9.733 min Scan# 1282
Delta R.T. 0.012 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

Tgt Ion:165 Resp: 2833
Ion Ratio Lower Upper
165 100
63 11.2 40.6 60.8#
89 6.9 37.6 56.4#

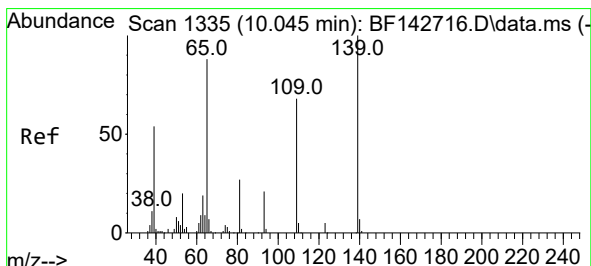
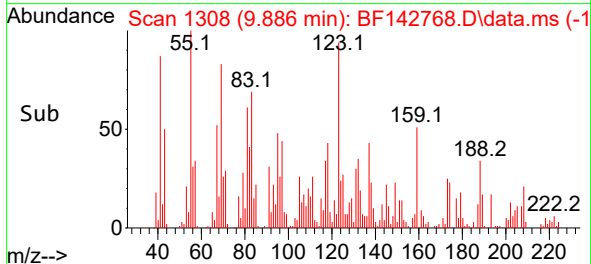
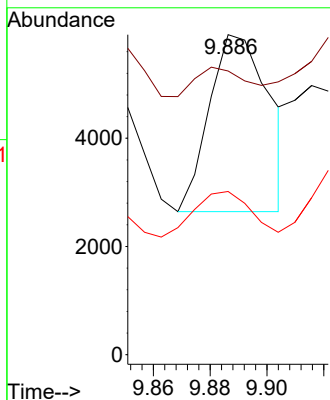
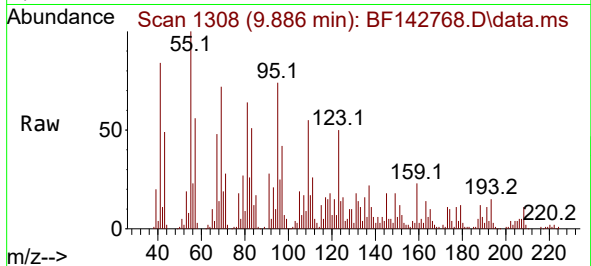




#53
3-Nitroaniline
Concen: 4.196 ng
RT: 9.886 min Scan# 1308
Delta R.T. -0.000 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

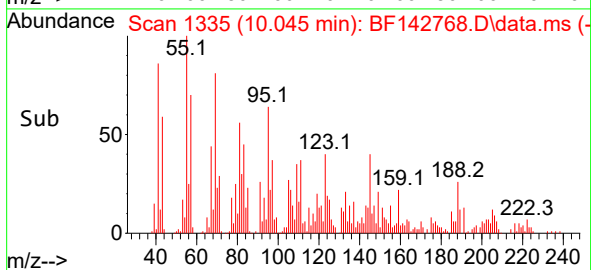
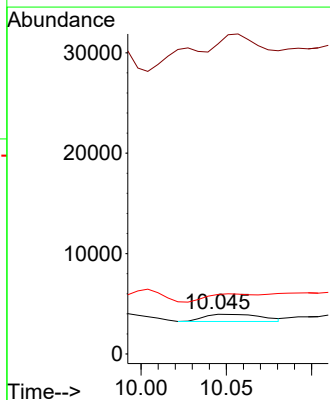
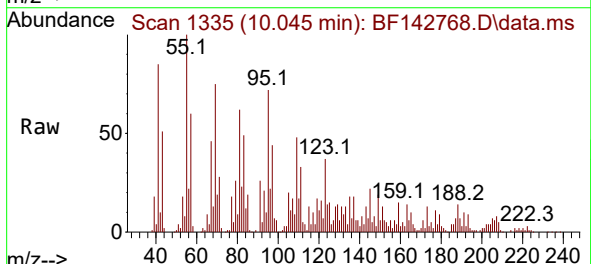
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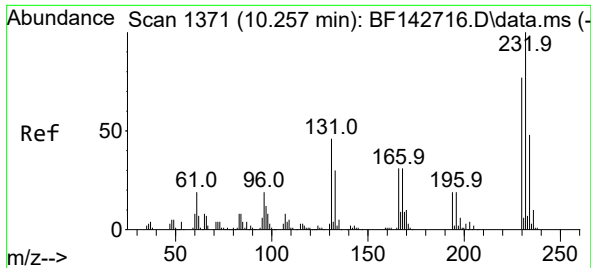
Tgt Ion:138 Resp: 4790
Ion Ratio Lower Upper
138 100
108 88.7 8.3 12.5#
92 51.0 84.6 127.0#



#56
4-Nitrophenol
Concen: 2.219 ng
RT: 10.045 min Scan# 1335
Delta R.T. -0.000 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

Tgt Ion:139 Resp: 1718
Ion Ratio Lower Upper
139 100
109 780.6 47.5 87.5#
65 149.8 69.2 109.2#

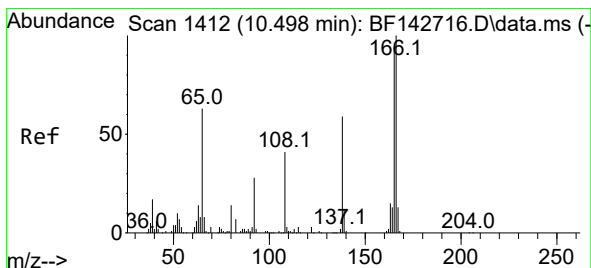
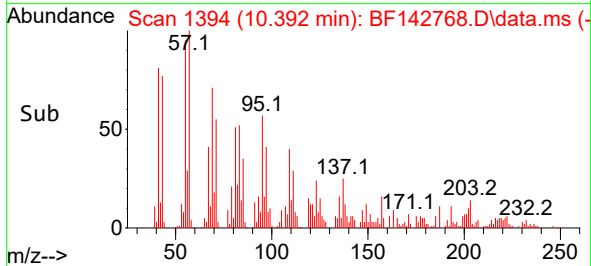
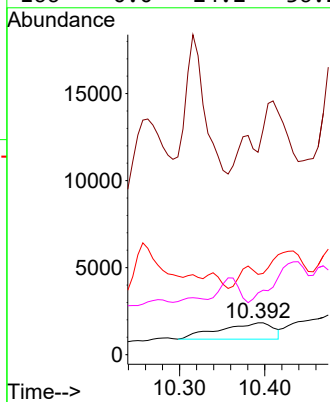
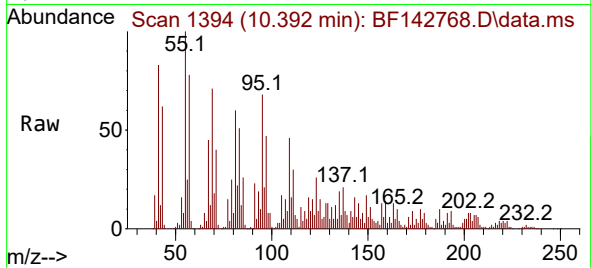




#59
2,3,4,6-Tetrachlorophenol
Concen: 3.348 ng
RT: 10.392 min Scan# 1394
Delta R.T. 0.135 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

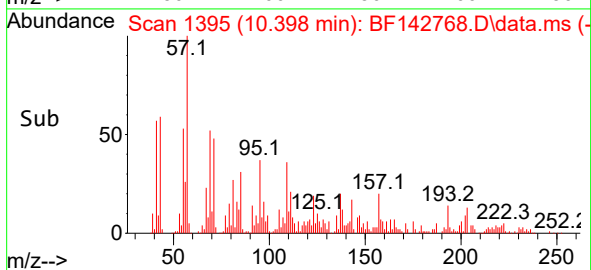
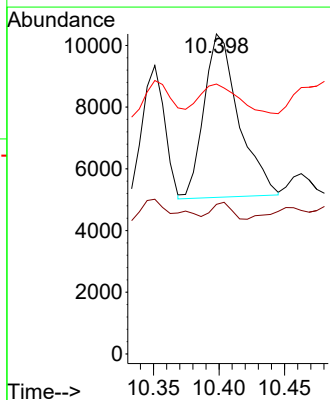
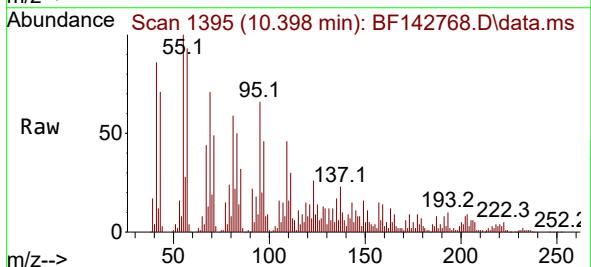
Instrument :
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MOO-25-0166-MOO-25-0167

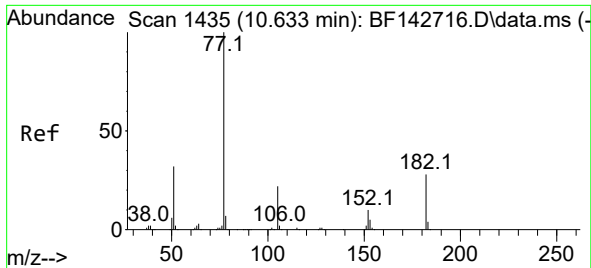
Tgt Ion:232 Resp: 4156
Ion Ratio Lower Upper
232 100
131 75.1 35.8 53.8#
130 41.8 1.8 2.6#
166 0.0 24.2 36.2#



#62
4-Nitroaniline
Concen: 9.551 ng
RT: 10.398 min Scan# 1395
Delta R.T. -0.100 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

Tgt Ion:138 Resp: 9754
Ion Ratio Lower Upper
138 100
92 46.7 27.2 67.2
108 84.4 49.9 89.9

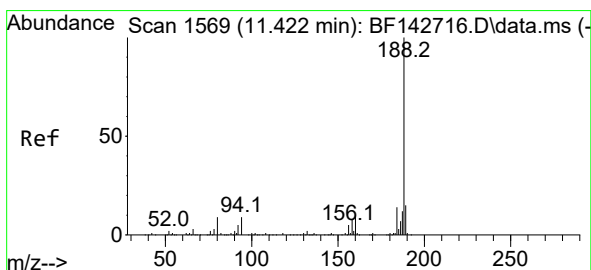
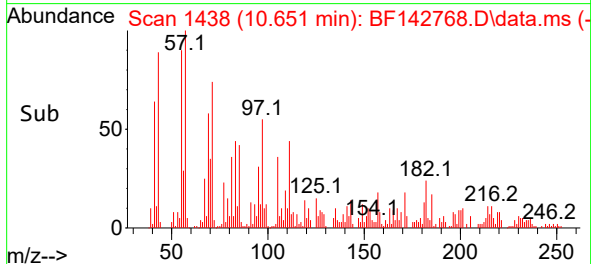
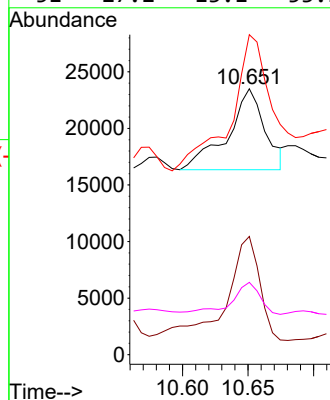
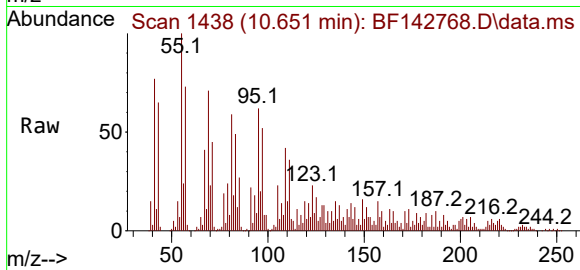




#63
Azobenzene
Concen: 3.360 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.017 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

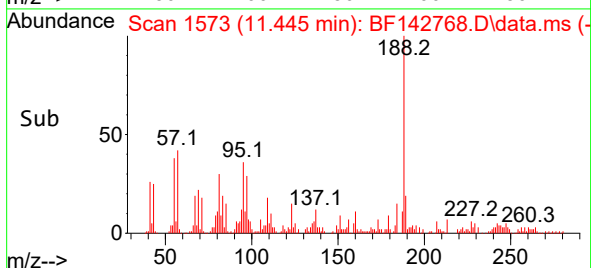
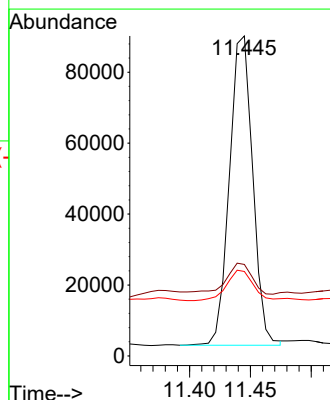
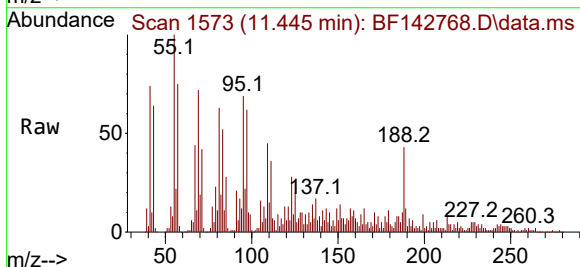
Instrument :
BNA_F
ClientSampleId :
MOO-25-0166-MOO-25-0167

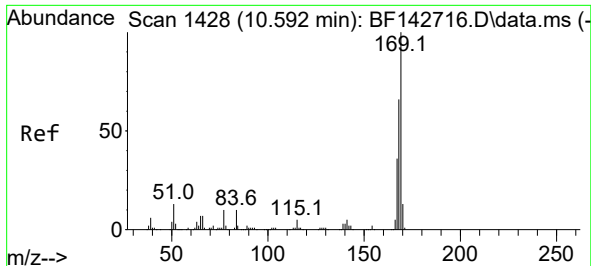
Tgt Ion: 77	Resp: 14169
Ion Ratio	Lower Upper
77	100
182	44.5 7.8 47.8
105	120.3 1.9 41.9#
51	27.2 13.1 53.1



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.445 min Scan# 1573
Delta R.T. 0.023 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

Tgt Ion: 188	Resp: 116036
Ion Ratio	Lower Upper
188	100
94	28.6 6.8 10.2#
80	26.4 7.1 10.7#

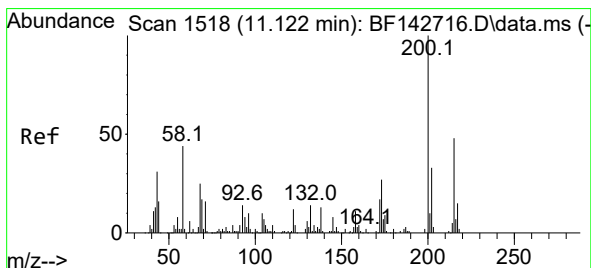
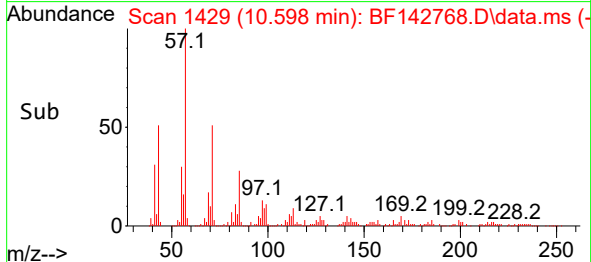
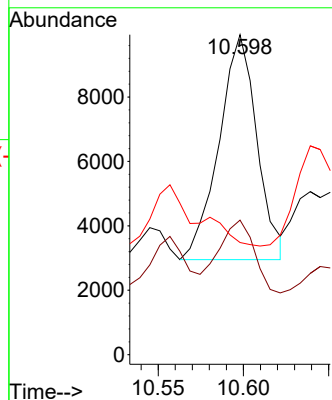
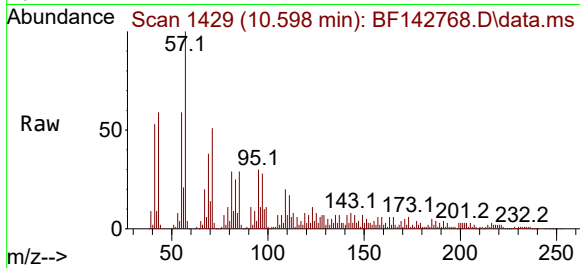




#66
n-Nitrosodiphenylamine
Concen: 2.716 ng
RT: 10.598 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

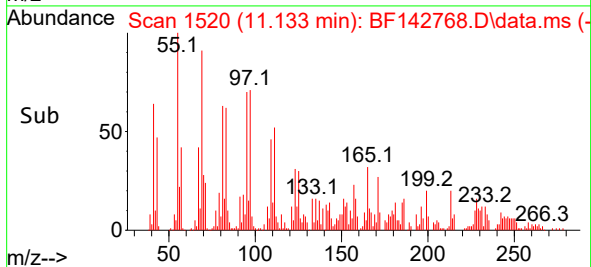
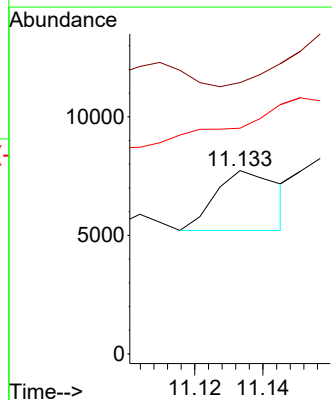
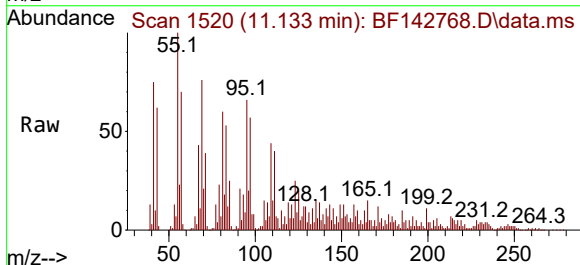
Instrument :
BNA_F
ClientSampleId :
MOO-25-0166-MOO-25-0167

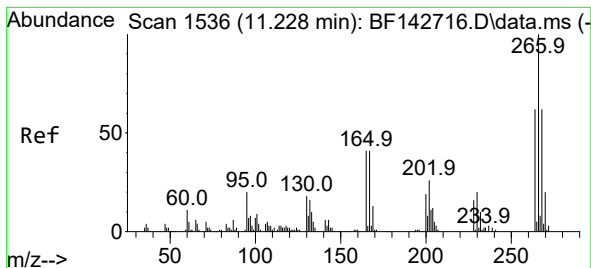
Tgt Ion:169 Resp: 10832
Ion Ratio Lower Upper
169 100
168 42.1 53.0 79.4#
167 35.1 28.7 43.1



#69
Atrazine
Concen: 3.027 ng
RT: 11.133 min Scan# 1520
Delta R.T. 0.012 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

Tgt Ion:200 Resp: 3219
Ion Ratio Lower Upper
200 100
173 148.0 7.4 47.4#
215 123.1 28.2 68.2#





#70

Pentachlorophenol

Concen: 3.305 ng

RT: 11.280 min Scan# 1545

Delta R.T. 0.053 min

Lab File: BF142768.D

Acq: 12 Jun 2025 20:26

Instrument :

BNA_F

ClientSampleId :

MOO-25-0166-MOO-25-0167

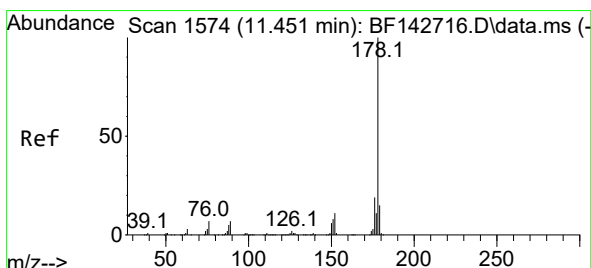
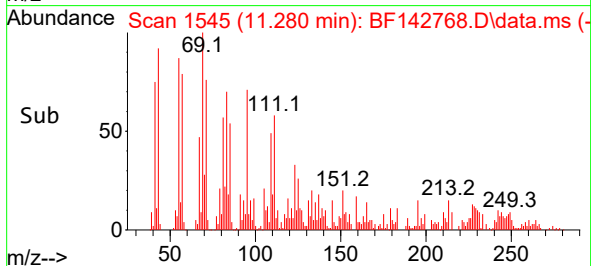
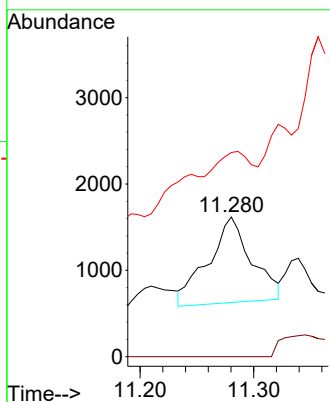
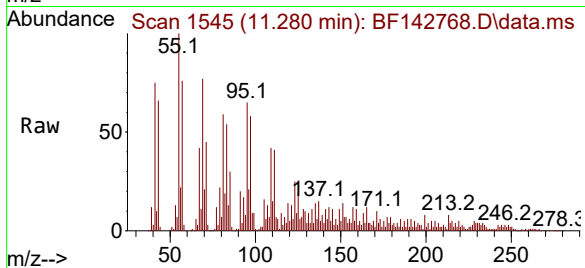
Tgt Ion:266 Resp: 2634

Ion Ratio Lower Upper

266 100

268 0.0 49.6 74.4#

264 146.2 49.5 74.3#



#71

Phenanthrene

Concen: 6.178 ng

RT: 11.469 min Scan# 1577

Delta R.T. 0.017 min

Lab File: BF142768.D

Acq: 12 Jun 2025 20:26

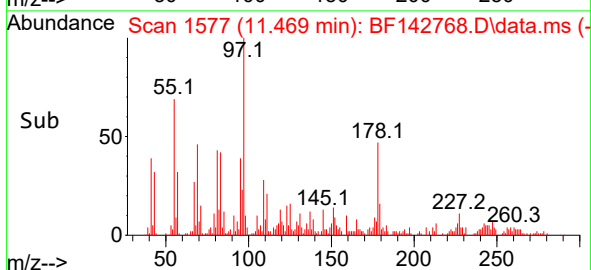
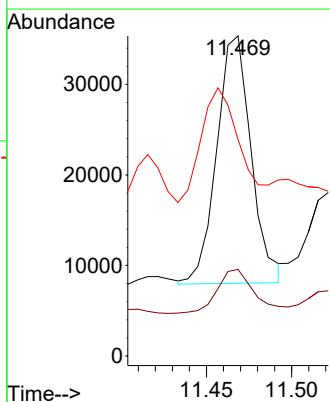
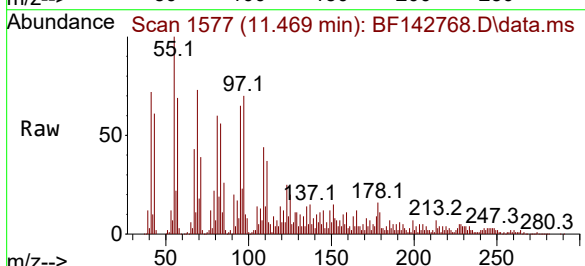
Tgt Ion:178 Resp: 38407

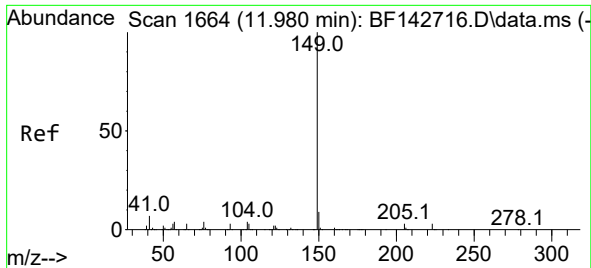
Ion Ratio Lower Upper

178 100

176 27.0 15.4 23.2#

179 67.6 12.2 18.4#

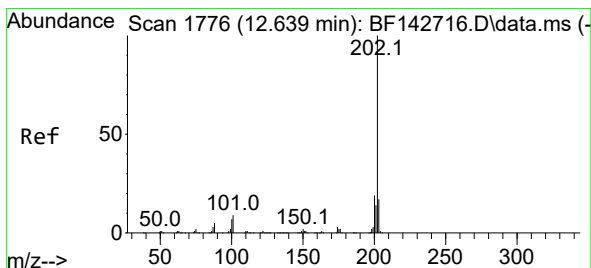
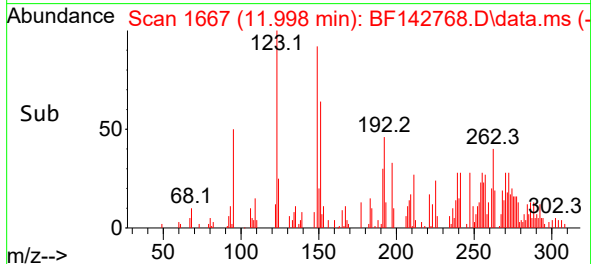
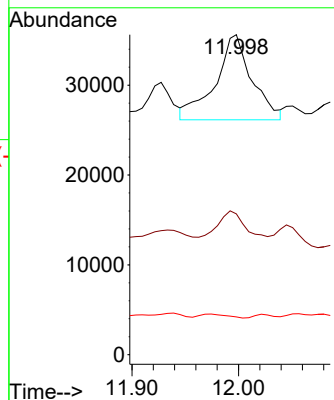
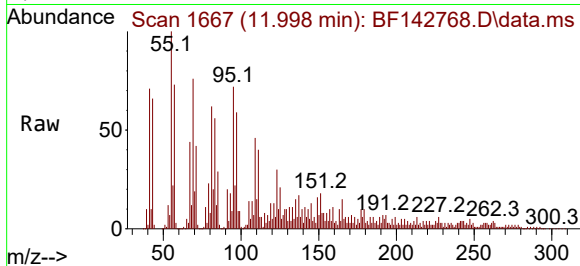




#74
Di-n-butylphthalate
Concen: 3.746 ng
RT: 11.998 min Scan# 11
Delta R.T. 0.017 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

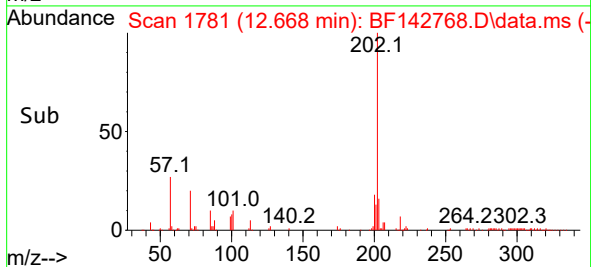
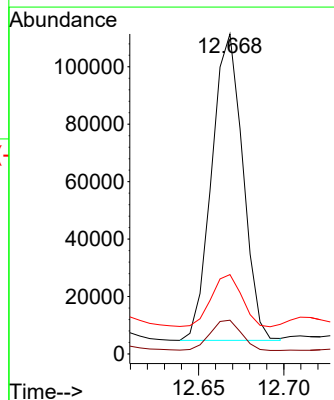
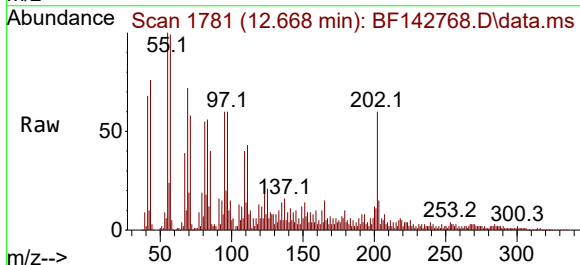
Instrument :
BNA_F
ClientSampleId :
MOO-25-0166-MOO-25-0167

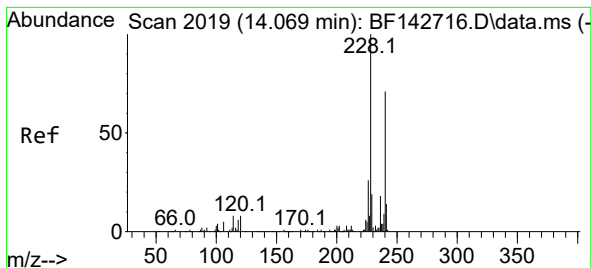
Tgt Ion:149 Resp: 22519
Ion Ratio Lower Upper
149 100
150 44.0 7.2 10.8#
104 11.8 3.4 5.2#



#75
Fluoranthene
Concen: 22.915 ng
RT: 12.668 min Scan# 1781
Delta R.T. 0.029 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

Tgt Ion:202 Resp: 135456
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.5
203 24.8 0.0 37.0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.086 min Scan# 20

Delta R.T. 0.017 min

Lab File: BF142768.D

Acq: 12 Jun 2025 20:26

Instrument :

BNA_F

ClientSampleId :

MOO-25-0166-MOO-25-0167

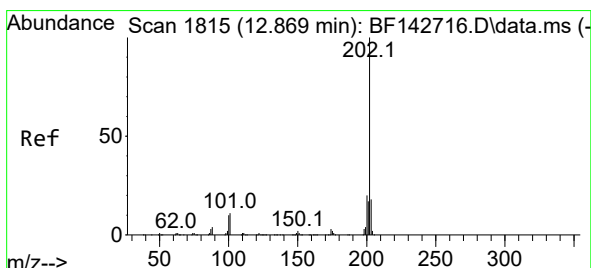
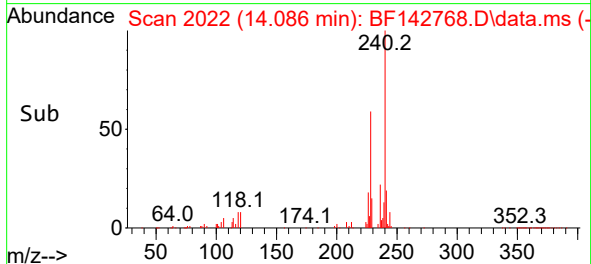
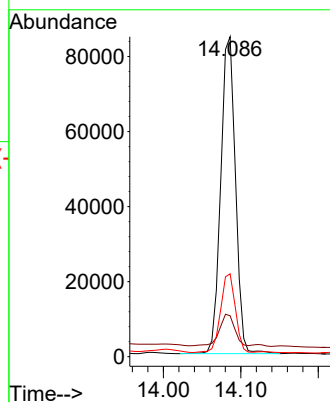
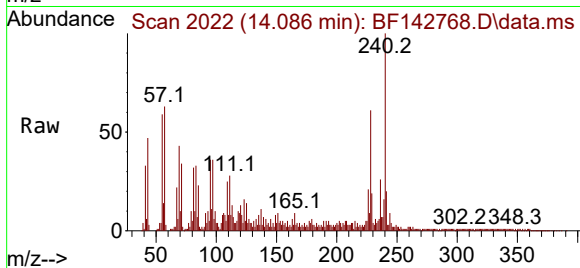
Tgt Ion:240 Resp: 111742

Ion Ratio Lower Upper

240 100

120 12.8 8.5 12.7#

236 25.9 20.1 30.1



#78

Pyrene

Concen: 27.511 ng

RT: 12.898 min Scan# 1820

Delta R.T. 0.029 min

Lab File: BF142768.D

Acq: 12 Jun 2025 20:26

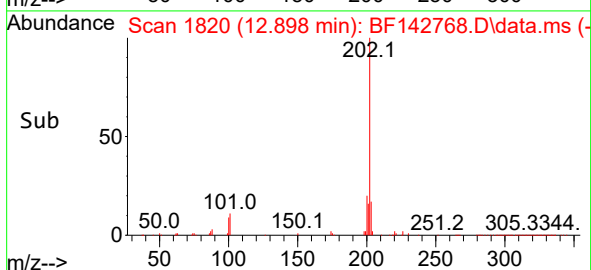
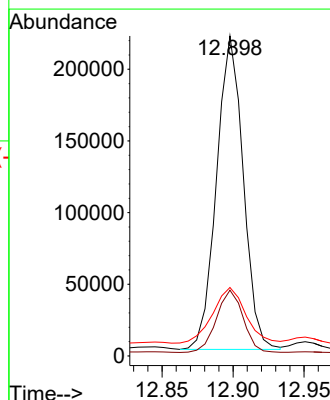
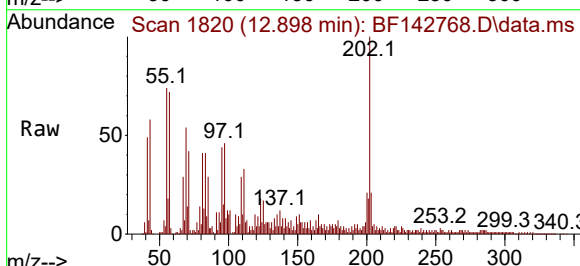
Tgt Ion:202 Resp: 285683

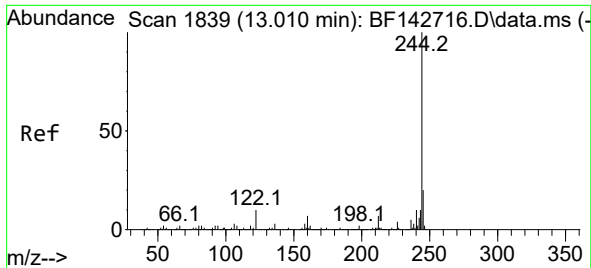
Ion Ratio Lower Upper

202 100

200 20.5 15.8 23.8

203 21.4 14.1 21.1#

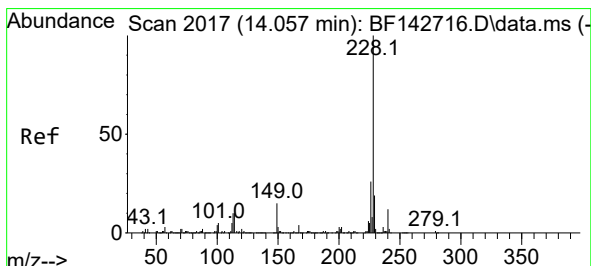
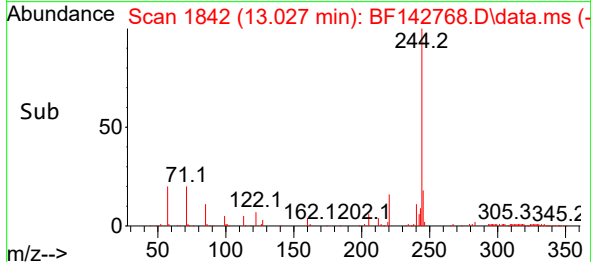
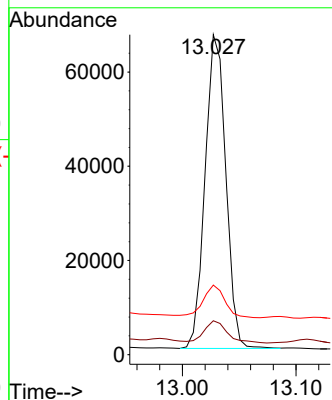
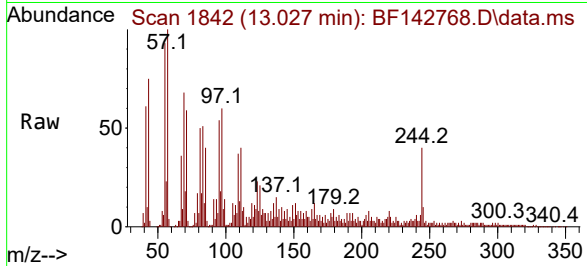




#79
 Terphenyl-d14
 Concen: 10.371 ng
 RT: 13.027 min Scan# 11
 Delta R.T. 0.017 min
 Lab File: BF142768.D
 Acq: 12 Jun 2025 20:26

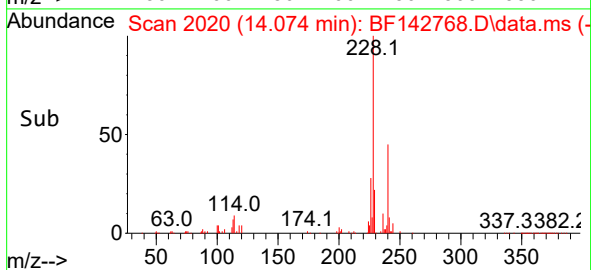
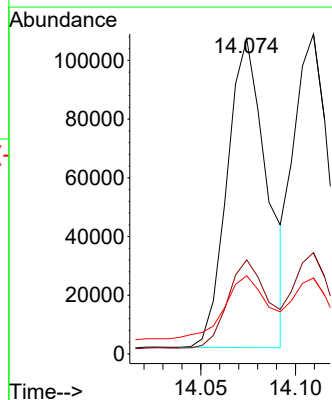
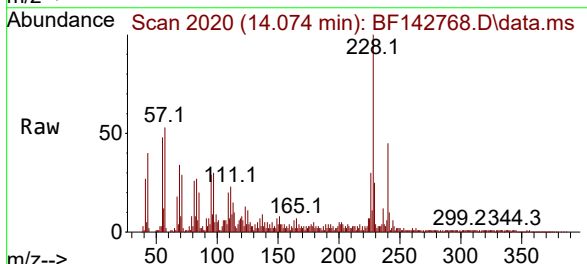
Instrument :
 BNA_F
 ClientSampleId :
 MOO-25-0166-MOO-25-0167

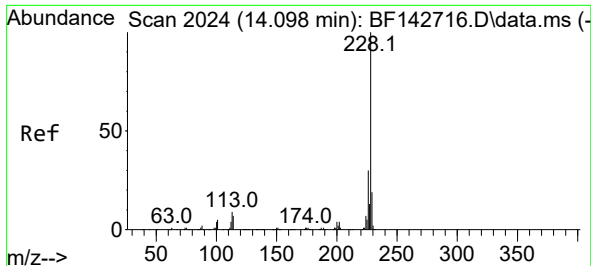
Tgt Ion:244 Resp: 84376
 Ion Ratio Lower Upper
 244 100
 212 10.6 5.4 8.0#
 122 21.7 8.3 12.5#



#81
 Benzo(a)anthracene
 Concen: 20.743 ng
 RT: 14.074 min Scan# 2020
 Delta R.T. 0.017 min
 Lab File: BF142768.D
 Acq: 12 Jun 2025 20:26

Tgt Ion:228 Resp: 153597
 Ion Ratio Lower Upper
 228 100
 226 29.9 21.0 31.4
 229 24.9 15.5 23.3#

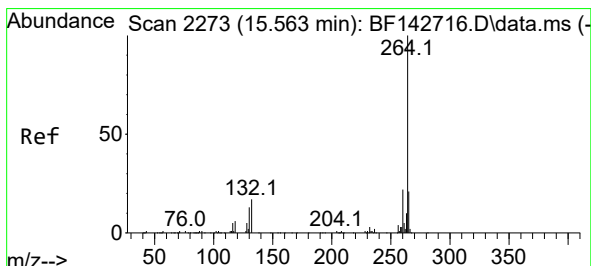
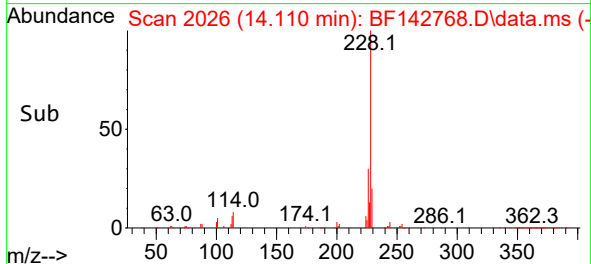
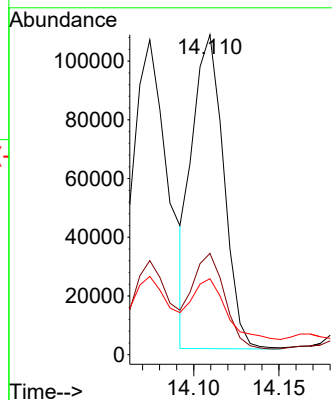
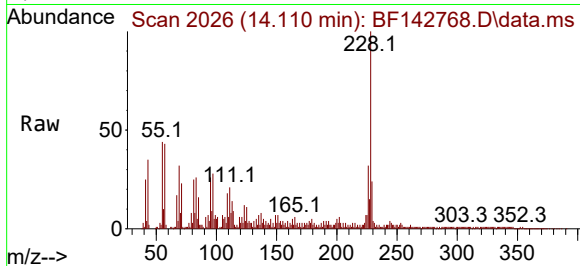




#83
Chrysene
Concen: 20.109 ng
RT: 14.110 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

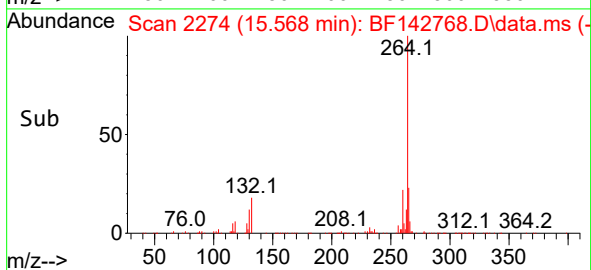
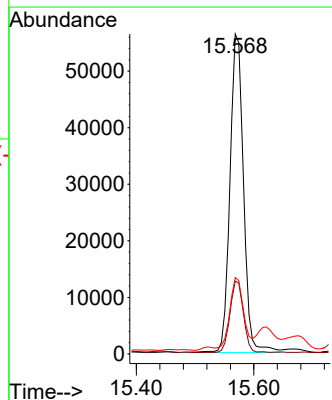
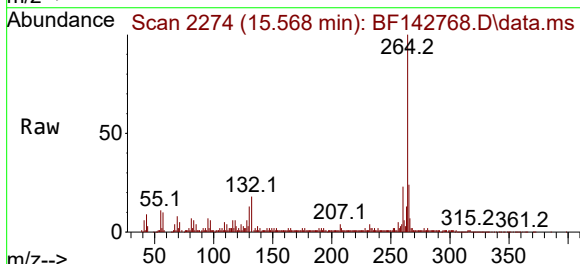
Instrument :
BNA_F
ClientSampleId :
MOO-25-0166-MOO-25-0167

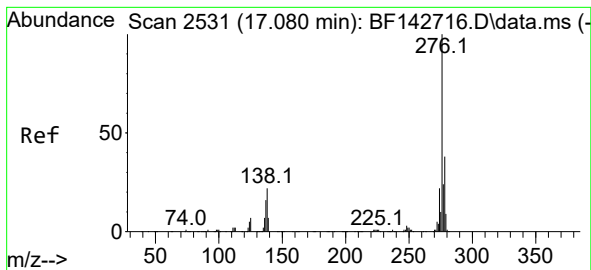
Tgt Ion:228 Resp: 137475
Ion Ratio Lower Upper
228 100
226 31.7 23.6 35.4
229 23.7 15.5 23.3#



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.568 min Scan# 2274
Delta R.T. 0.006 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

Tgt Ion:264 Resp: 90100
Ion Ratio Lower Upper
264 100
260 22.8 17.8 26.6
265 23.9 16.6 25.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.451 ng

RT: 17.080 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF142768.D

Acq: 12 Jun 2025 20:26

Instrument :

BNA_F

ClientSampleId :

MOO-25-0166-MOO-25-0167

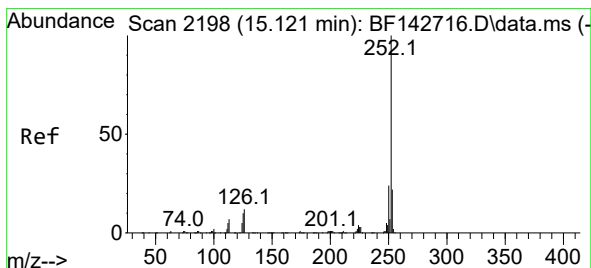
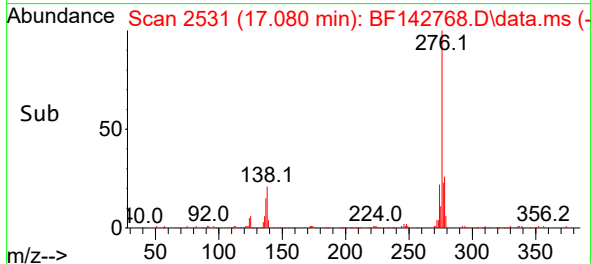
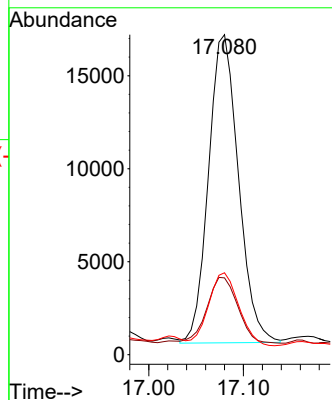
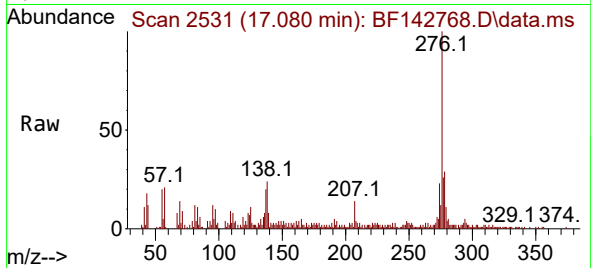
Tgt Ion:276 Resp: 36399

Ion Ratio Lower Upper

276 100

138 24.5 19.3 28.9

277 24.0 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 22.675 ng

RT: 15.133 min Scan# 2200

Delta R.T. 0.012 min

Lab File: BF142768.D

Acq: 12 Jun 2025 20:26

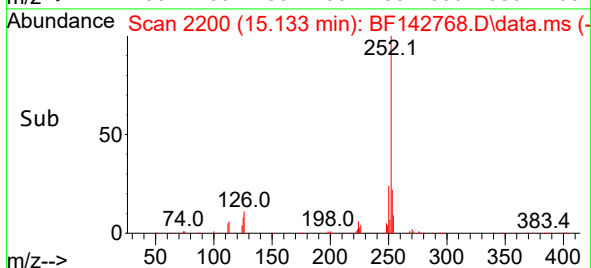
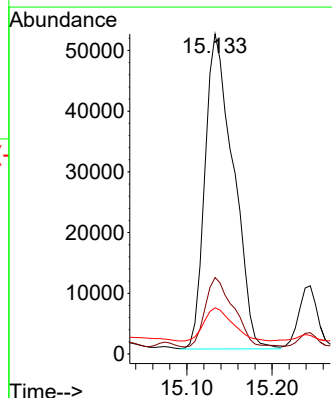
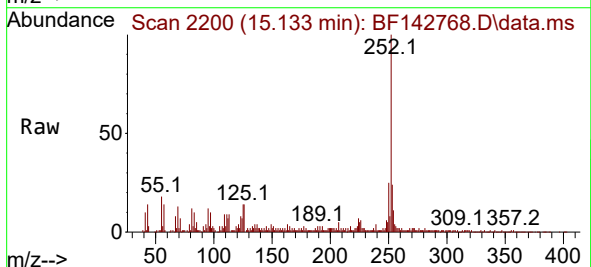
Tgt Ion:252 Resp: 120294

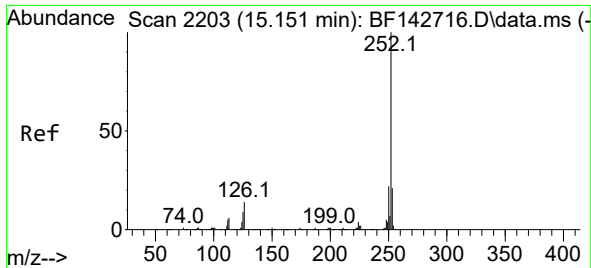
Ion Ratio Lower Upper

252 100

253 23.9 17.7 26.5

125 14.4 7.8 11.6#

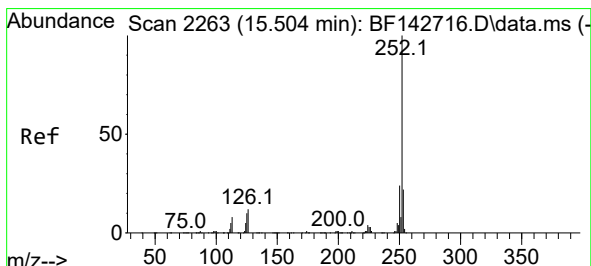
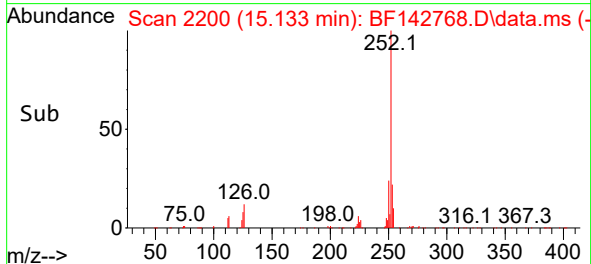
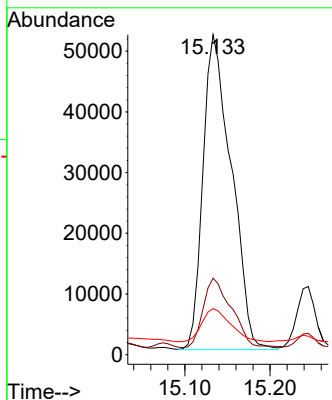
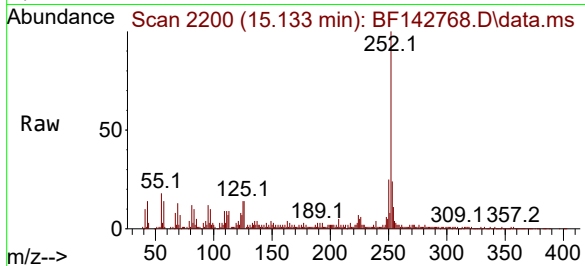




#89
Benzo(k)fluoranthene
Concen: 23.372 ng
RT: 15.133 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

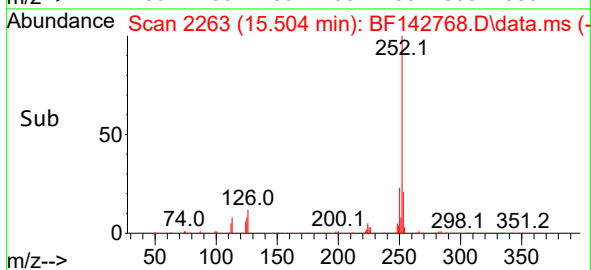
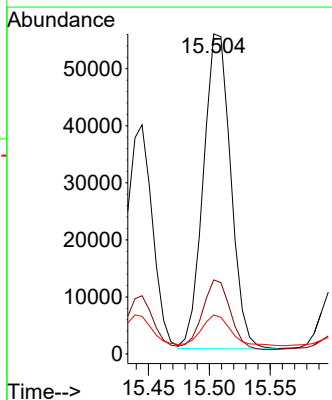
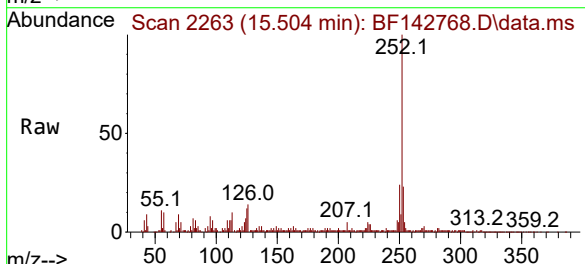
Instrument :
BNA_F
ClientSampleId :
MOO-25-0166-MOO-25-0167

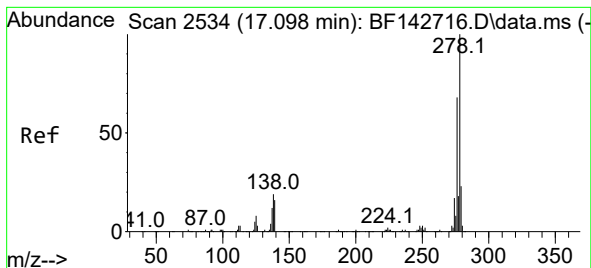
Tgt Ion:252 Resp: 120305
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 14.4 7.5 11.3#



#90
Benzo(a)pyrene
Concen: 17.102 ng
RT: 15.504 min Scan# 2263
Delta R.T. -0.000 min
Lab File: BF142768.D
Acq: 12 Jun 2025 20:26

Tgt Ion:252 Resp: 86265
Ion Ratio Lower Upper
252 100
253 23.1 17.3 25.9
125 12.2 8.0 12.0#





#91

Dibenzo(a,h)anthracene

Concen: 2.101 ng

RT: 17.092 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142768.D

Acq: 12 Jun 2025 20:26

Instrument :

BNA_F

ClientSampleId :

MOO-25-0166-MOO-25-0167

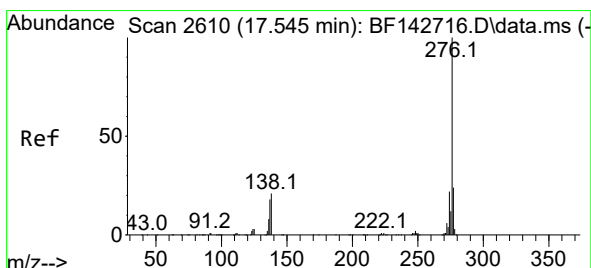
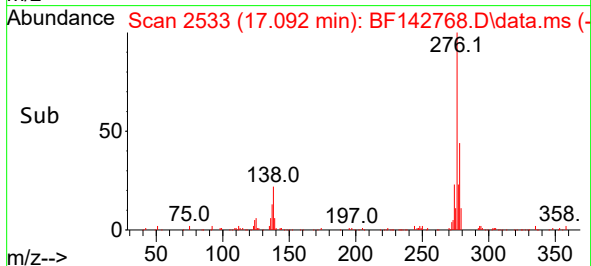
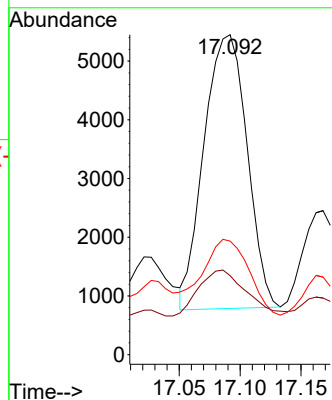
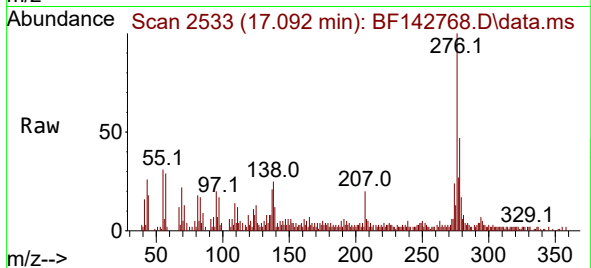
Tgt Ion:278 Resp: 11454

Ion Ratio Lower Upper

278 100

139 24.7 12.8 19.2#

279 35.5 18.7 28.1#



#92

Benzo(g,h,i)perylene

Concen: 8.231 ng

RT: 17.539 min Scan# 2609

Delta R.T. -0.006 min

Lab File: BF142768.D

Acq: 12 Jun 2025 20:26

Tgt Ion:276 Resp: 44622

Ion Ratio Lower Upper

276 100

277 26.1 18.8 28.2

138 22.3 16.4 24.6

