

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG111825\
 Data File : BG064807.D
 Acq On : 18 Nov 2025 17:42
 Operator : RC/JU
 Sample : Q3652-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1

Quant Time: Nov 19 00:00:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 12 17:10:56 2025
 Response via : Initial Calibration

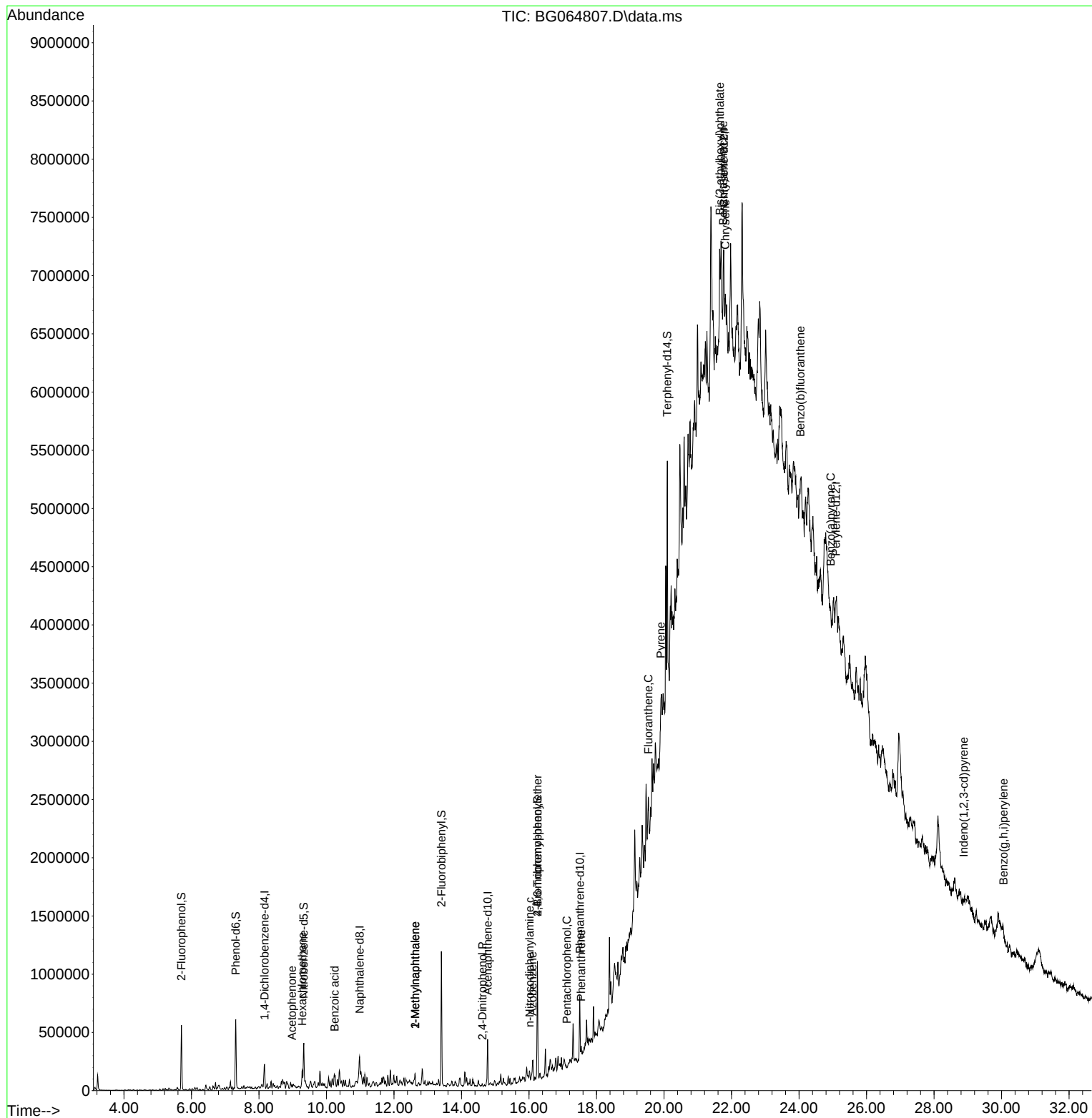
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.164	152	52836	20.000	ng	0.00
21) Naphthalene-d8	10.984	136	196248	20.000	ng	0.00
39) Acenaphthene-d10	14.774	164	145722	20.000	ng	0.00
64) Phenanthrene-d10	17.506	188	309153	20.000	ng	0.00
76) Chrysene-d12	21.772	240	284423	20.000	ng	# 0.01
86) Perylene-d12	25.097	264	319328	20.000	ng	# 0.07
System Monitoring Compounds						
5) 2-Fluorophenol	5.702	112	236133	78.041	ng	0.00
7) Phenol-d6	7.312	99	312034	77.536	ng	0.00
23) Nitrobenzene-d5	9.327	82	224826	56.643	ng	0.00
42) 2,4,6-Tribromophenol	16.249	330	238970	84.084	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	622197	59.578	ng	0.00
79) Terphenyl-d14	20.097	244	952971	65.908	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.280	117	12786	8.672	ng	# 1
22) Acetophenone	8.975	105	17672	3.305	ng	# 53
32) Benzoic acid	10.238	122	72	5.910	ng	# 1
37) 2-Methylnaphthalene	12.623	142	52676	6.327	ng	97
38) 1-Methylnaphthalene	12.623	142	52676	6.370	ng	95
54) 2,4-Dinitrophenol	14.621	184	120	8.654	ng	# 20
63) Azobenzene	16.108	77	44920	4.898	ng	# 1
66) n-Nitrosodiphenylamine	16.020	169	16288	2.011	ng	# 52
67) 4-Bromophenyl-phenylether	16.249	248	14957	3.684	ng	# 1
70) Pentachlorophenol	17.124	266	63	6.163	ng	# 16
71) Phenanthrene	17.541	178	50846	3.006	ng	# 89
75) Fluoranthene	19.539	202	120785	5.222	ng	82
78) Pyrene	19.903	202	268321	16.832	ng	# 95
81) Benzo(a)anthracene	21.754	228	137150	7.092	ng	# 73
83) Chrysene	21.819	228	94697	5.194	ng	# 61
84) Bis(2-ethylhexyl)phtha...	21.654	149	347446	42.407	ng	# 94
87) Indeno(1,2,3-cd)pyrene	28.881	276	57884	2.638	ng	# 59
88) Benzo(b)fluoranthene	24.040	252	82536	4.062	ng	# 1
90) Benzo(a)pyrene	24.938	252	104755	5.557	ng	# 12
92) Benzo(g,h,i)perylene	30.056	276	164944	9.536	ng	# 86

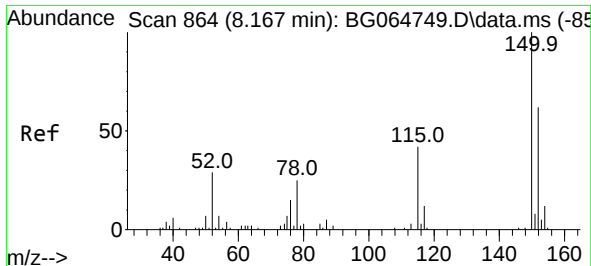
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 19 00:00:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Nov 12 17:10:56 2025
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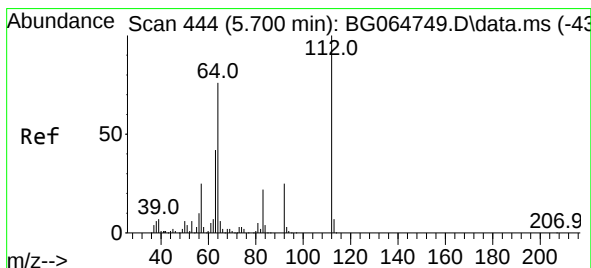
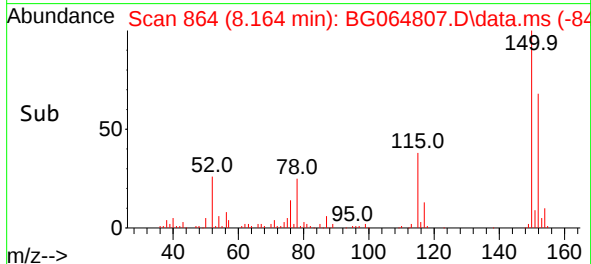
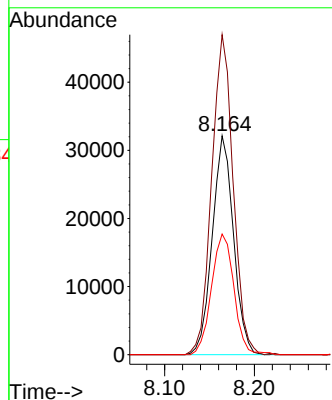
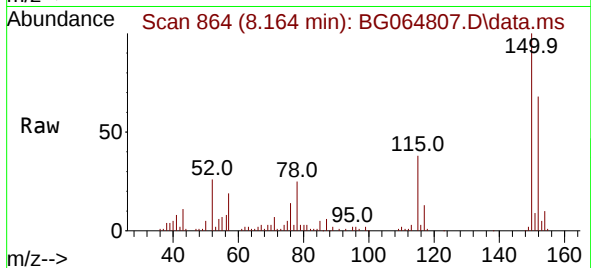




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.164 min Scan# 80
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

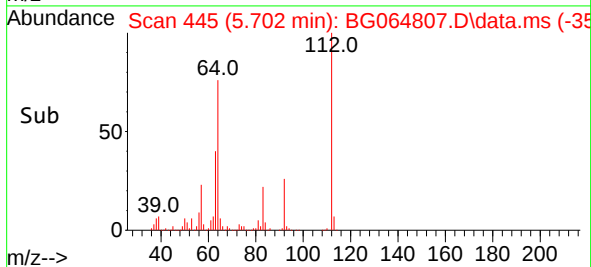
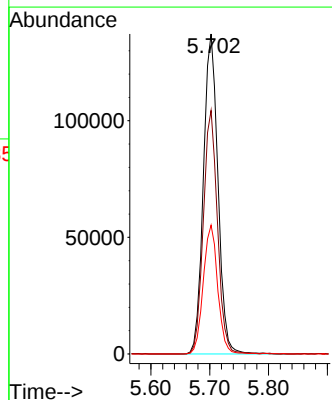
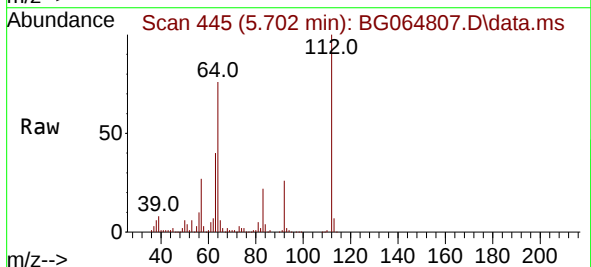
Instrument :
BNA_G
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TP-1

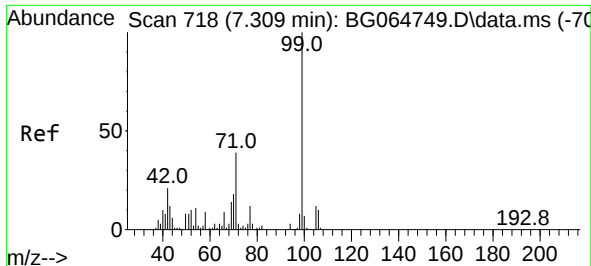
Tgt Ion:152 Resp: 52836
Ion Ratio Lower Upper
152 100
150 146.2 129.2 193.8
115 55.1 53.7 80.5



#5
2-Fluorophenol
Concen: 78.041 ng
RT: 5.702 min Scan# 445
Delta R.T. 0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Tgt Ion:112 Resp: 236133
Ion Ratio Lower Upper
112 100
64 76.1 61.0 91.4
63 40.3 33.3 49.9

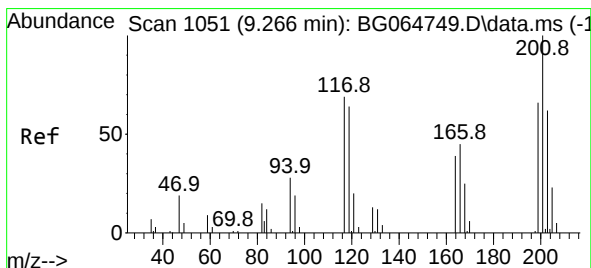
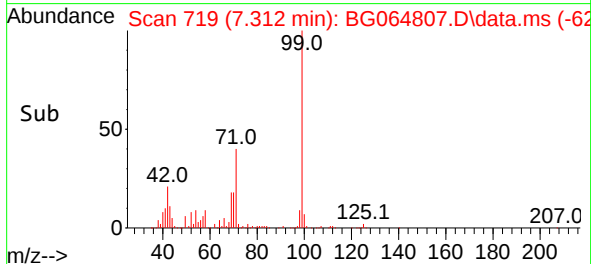
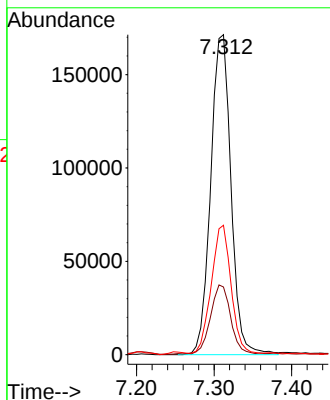
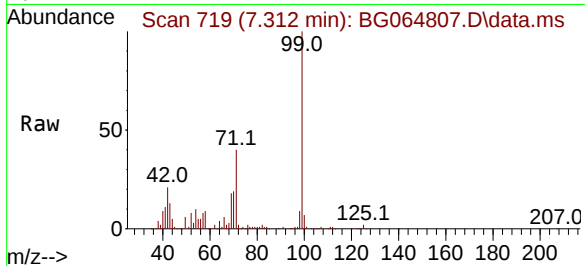




#7
Phenol-d6
Concen: 77.536 ng
RT: 7.312 min Scan# 718
Delta R.T. 0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

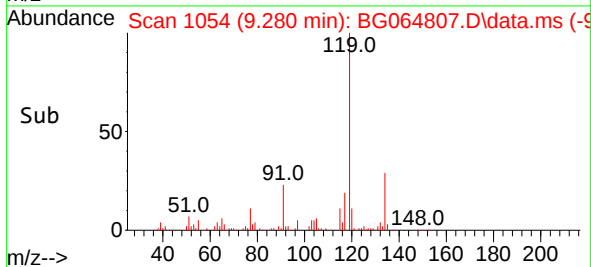
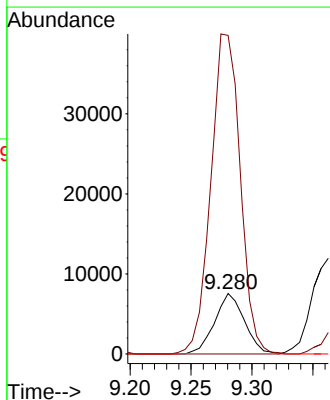
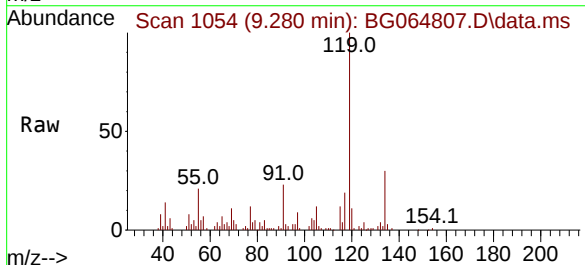
Instrument :
BNA_G
ClientSampleId :
TP-1

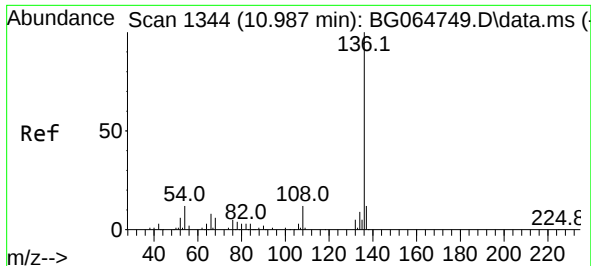
Tgt Ion: 99 Resp: 312034
Ion Ratio Lower Upper
99 100
42 21.1 16.8 25.2
71 40.5 31.1 46.7



#18
Hexachloroethane
Concen: 8.672 ng
RT: 9.280 min Scan# 1054
Delta R.T. 0.014 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Tgt Ion: 117 Resp: 12786
Ion Ratio Lower Upper
117 100
119 527.0 74.4 111.6#
201 0.0 116.5 174.7#

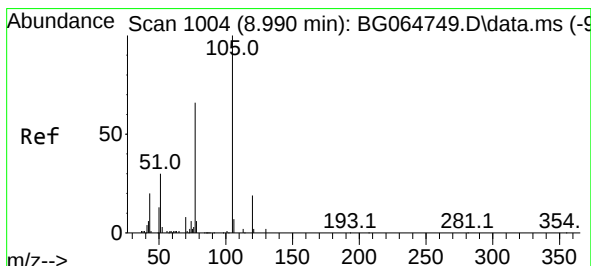
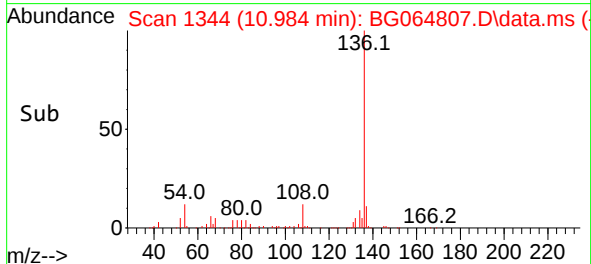
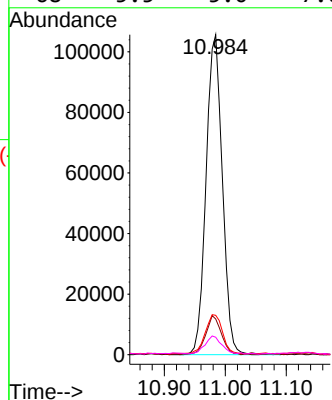
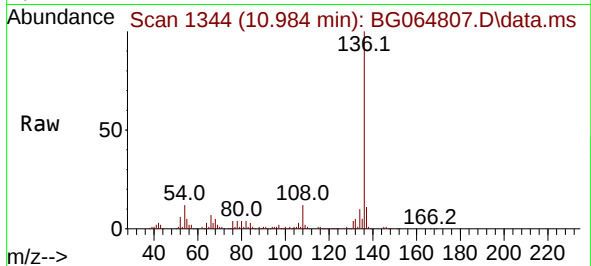




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.984 min Scan# 11
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

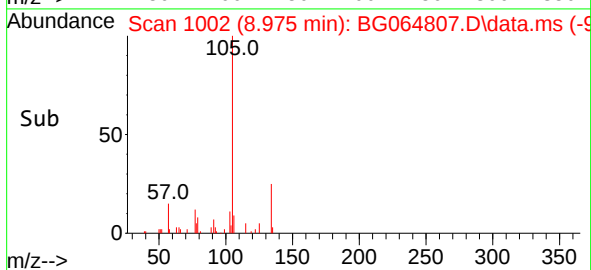
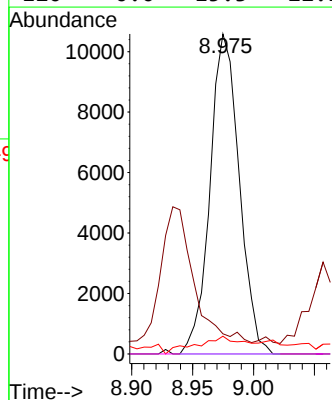
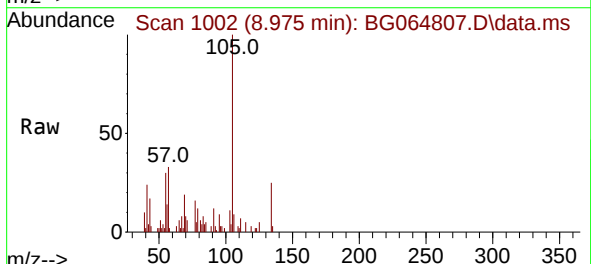
Instrument :
BNA_G
ClientSampleId :
TP-1

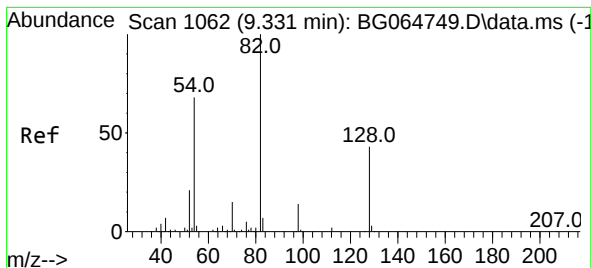
Tgt Ion:	136	Resp:	196248
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.3	13.9
54	12.3	9.3	13.9
68	5.5	5.0	7.6



#22
Acetophenone
Concen: 3.305 ng
RT: 8.975 min Scan# 1002
Delta R.T. -0.015 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Tgt Ion:	105	Resp:	17672
Ion	Ratio	Lower	Upper
105	100		
71	6.3	1.3	1.9#
51	5.5	27.9	41.9#
120	0.0	15.3	22.9#





#23

Nitrobenzene-d5

Concen: 56.643 ng

RT: 9.327 min Scan# 1062

Delta R.T. -0.003 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

Instrument :

BNA_G

ClientSampleId :

TP-1

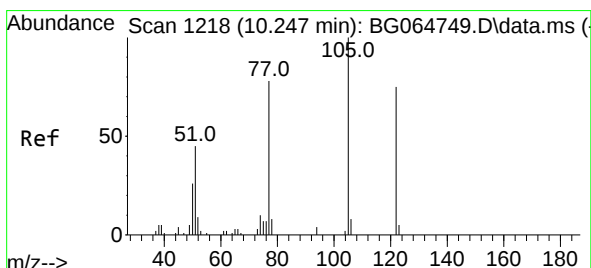
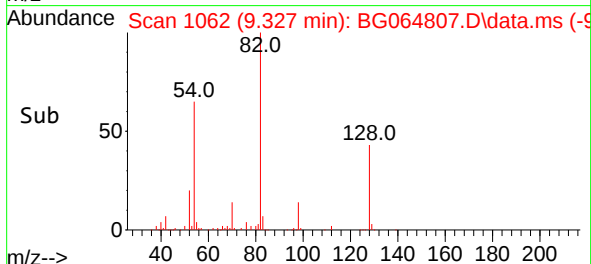
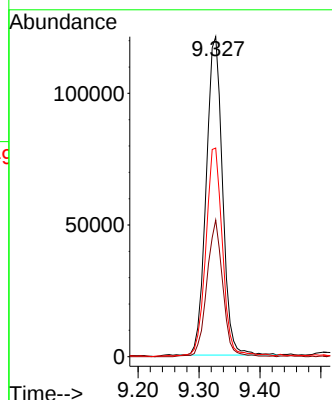
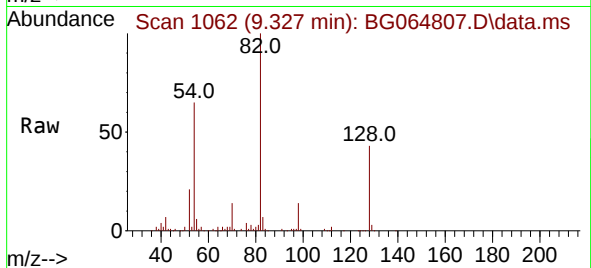
Tgt Ion: 82 Resp: 224826

Ion Ratio Lower Upper

82 100

128 42.7 34.1 51.1

54 65.2 54.3 81.5



#32

Benzoic acid

Concen: 5.910 ng

RT: 10.238 min Scan# 1217

Delta R.T. -0.009 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

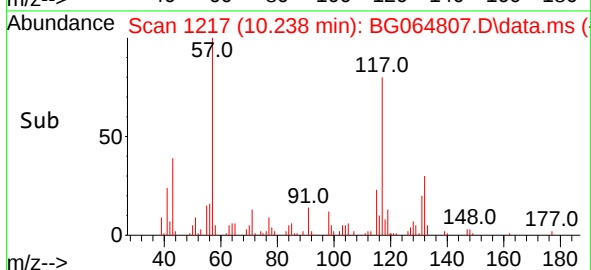
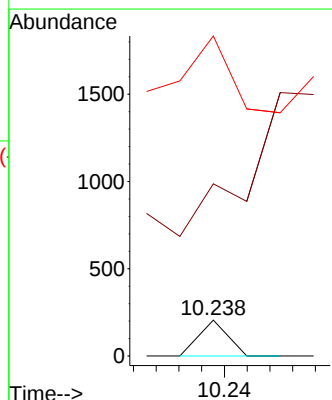
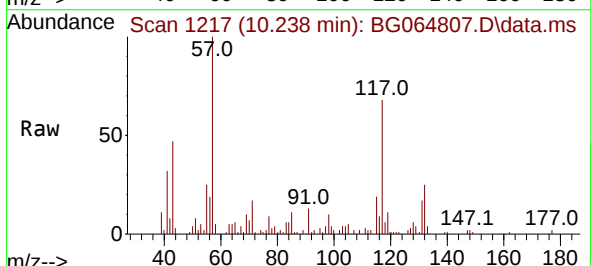
Tgt Ion:122 Resp: 72

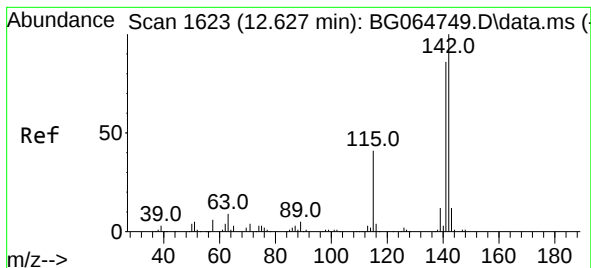
Ion Ratio Lower Upper

122 100

105 481.5 107.6 147.6#

77 894.6 82.5 122.5#





#37

2-Methylnaphthalene

Concen: 6.327 ng

RT: 12.623 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

Instrument :

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ClientSampleId :

TP-1

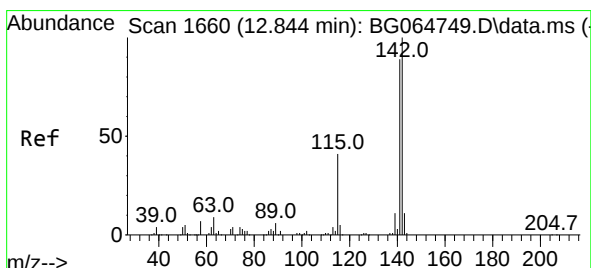
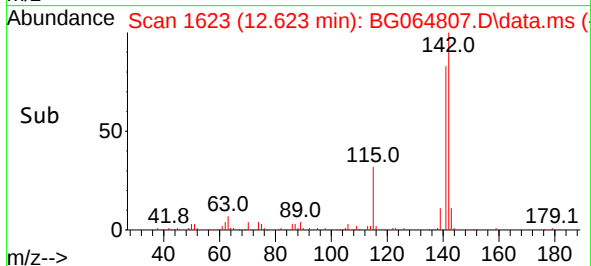
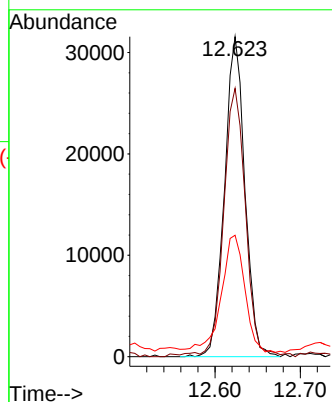
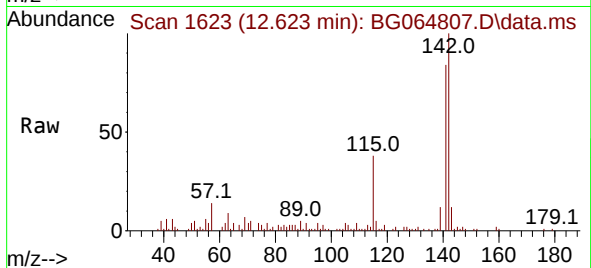
Tgt Ion:142 Resp: 52676

Ion Ratio Lower Upper

142 100

141 83.9 69.1 103.7

115 38.0 32.9 49.3



#38

1-Methylnaphthalene

Concen: 6.370 ng

RT: 12.623 min Scan# 1623

Delta R.T. -0.221 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

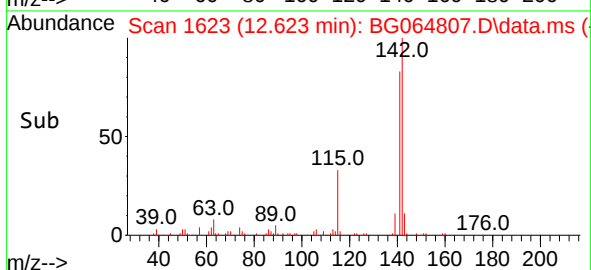
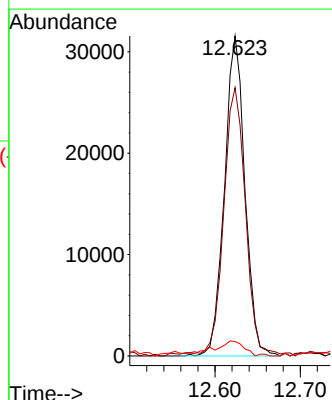
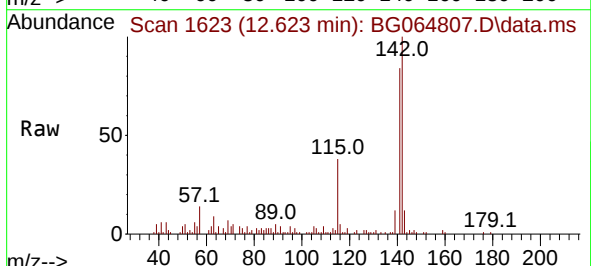
Tgt Ion:142 Resp: 52676

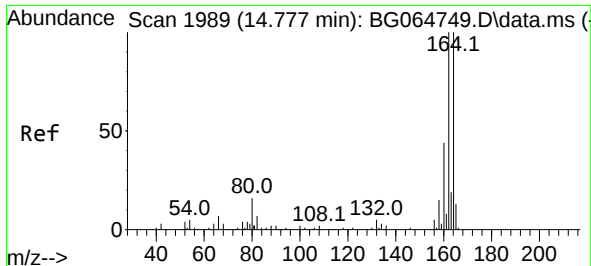
Ion Ratio Lower Upper

142 100

141 83.9 70.8 106.2

116 4.5 3.7 5.5

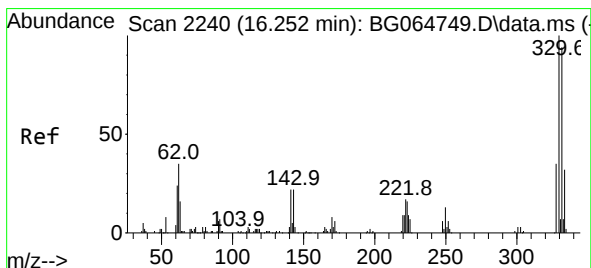
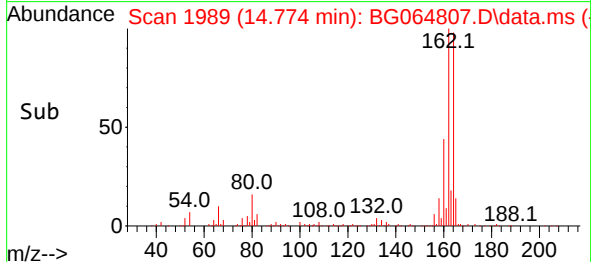
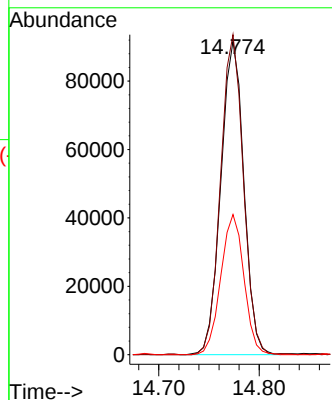
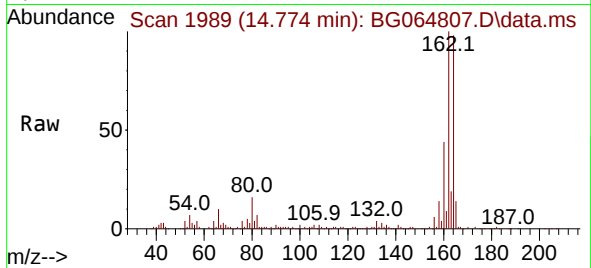




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.774 min Scan# 1989
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

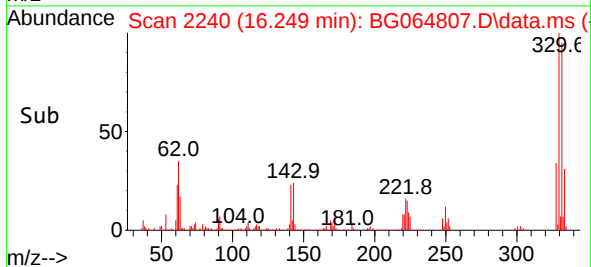
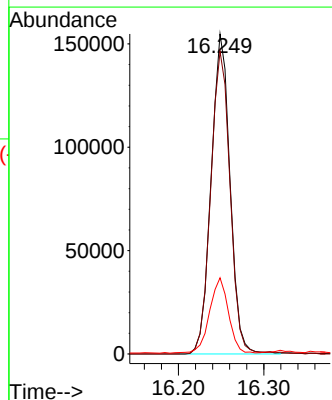
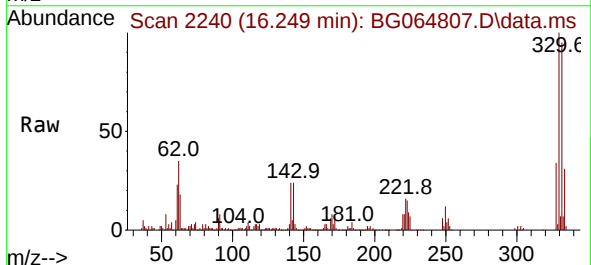
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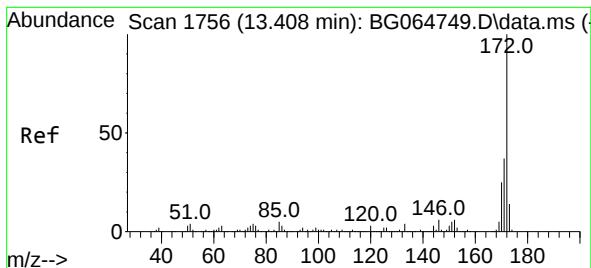
Tgt Ion:164 Resp: 145722
Ion Ratio Lower Upper
164 100
162 102.2 79.8 119.6
160 44.7 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 84.084 ng
RT: 16.249 min Scan# 2240
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Tgt Ion:330 Resp: 238970
Ion Ratio Lower Upper
330 100
332 96.9 77.0 115.6
141 23.5 18.2 27.2

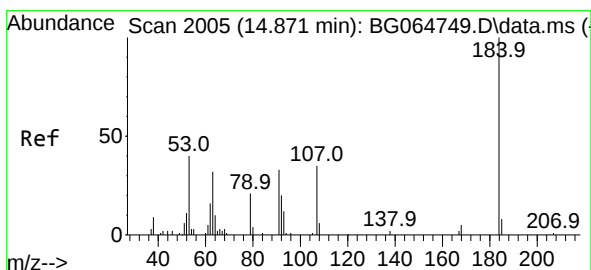
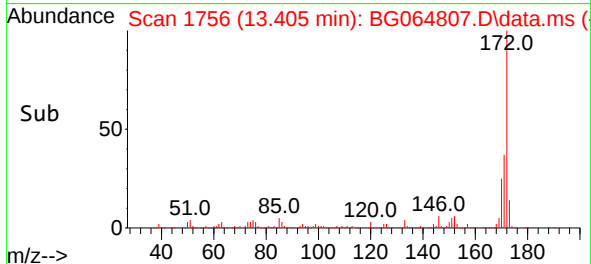
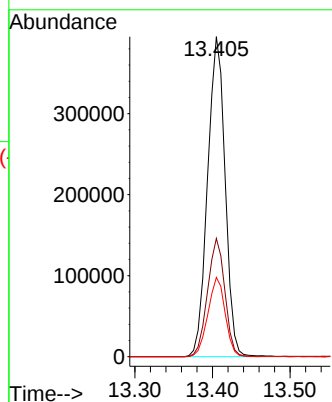
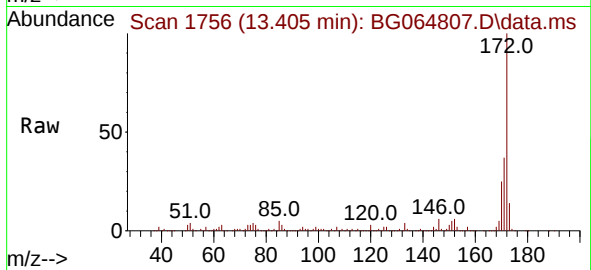




#45
2-Fluorobiphenyl
Concen: 59.578 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.003 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

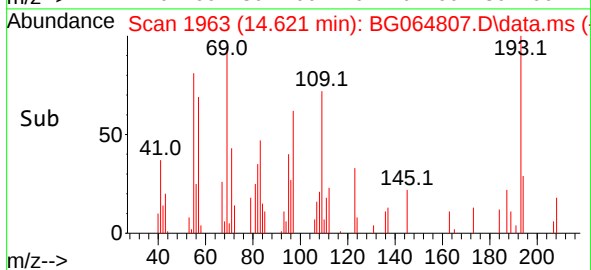
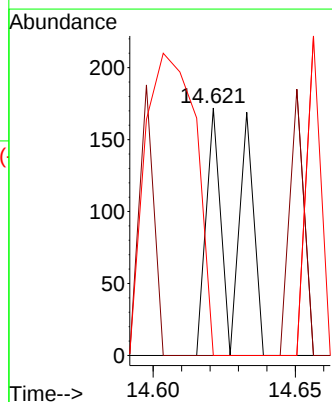
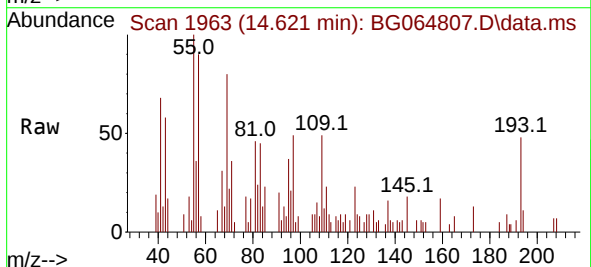
Instrument :
BNA_G
ClientSampleId :
TP-1

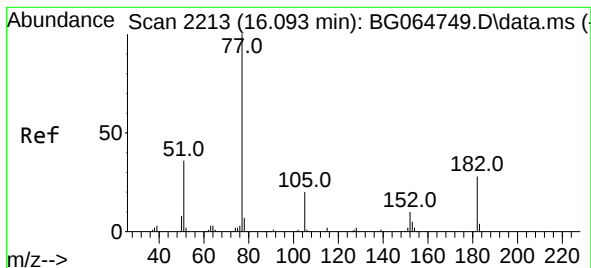
Tgt Ion:172 Resp: 622197
Ion Ratio Lower Upper
172 100
171 37.0 29.9 44.9
170 24.7 19.8 29.6



#54
2,4-Dinitrophenol
Concen: 8.654 ng
RT: 14.621 min Scan# 1963
Delta R.T. -0.250 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Tgt Ion:184 Resp: 120
Ion Ratio Lower Upper
184 100
63 0.0 45.8 68.6#
154 0.0 52.6 78.8#





#63

Azobenzene

Concen: 4.898 ng

RT: 16.108 min Scan# 21

Delta R.T. 0.014 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

Instrument :

BNA_G

ClientSampleId :

TP-1

Tgt Ion: 77 Resp: 44920

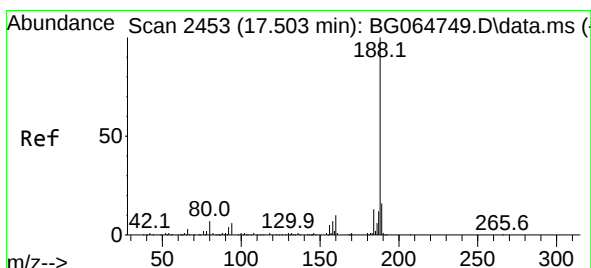
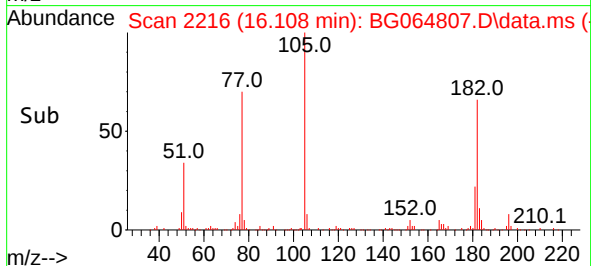
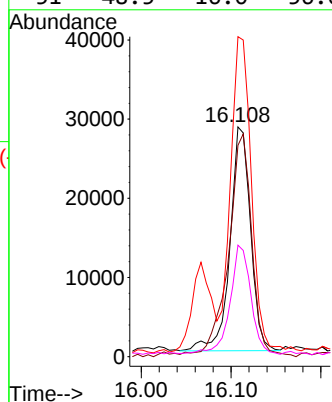
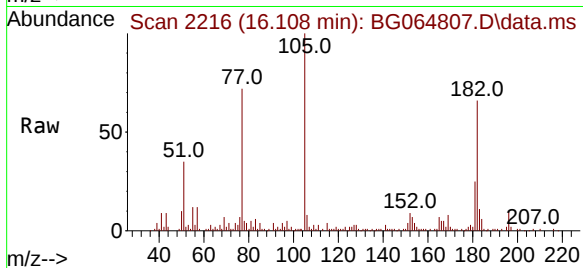
Ion Ratio Lower Upper

77 100

182 92.0 8.1 48.1#

105 139.3 0.1 40.1#

51 48.5 16.0 56.0



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.506 min Scan# 2454

Delta R.T. 0.003 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

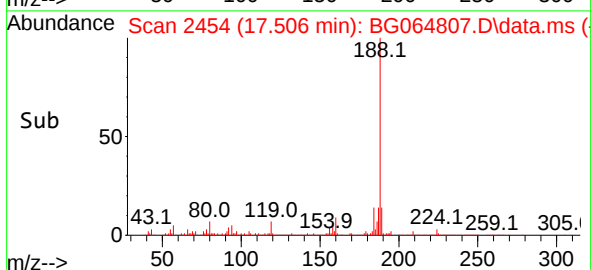
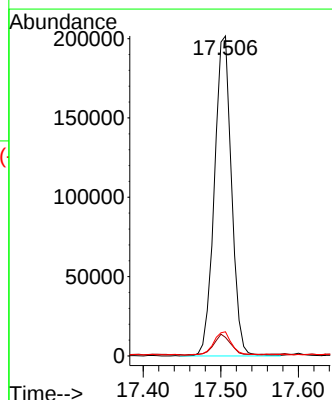
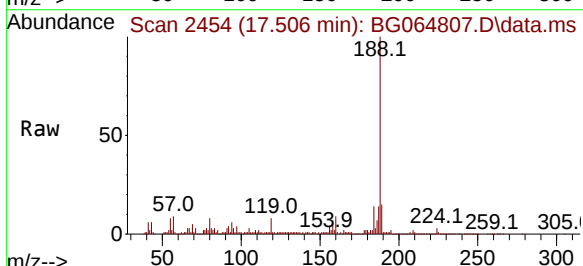
Tgt Ion:188 Resp: 309153

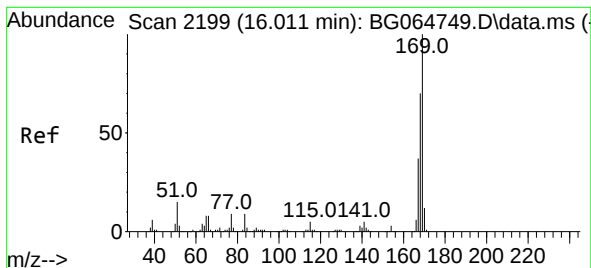
Ion Ratio Lower Upper

188 100

94 5.8 4.7 7.1

80 7.6 5.4 8.2





#66

n-Nitrosodiphenylamine

Concen: 2.011 ng

RT: 16.020 min Scan# 2199

Delta R.T. 0.009 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

Instrument :

BNA_G

ClientSampleId :

TP-1

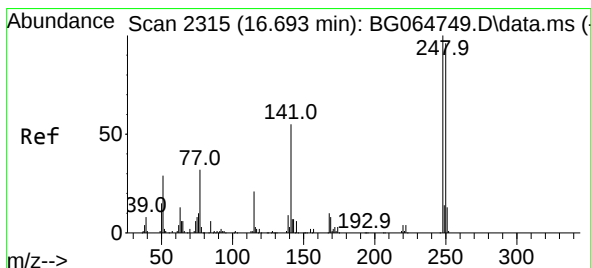
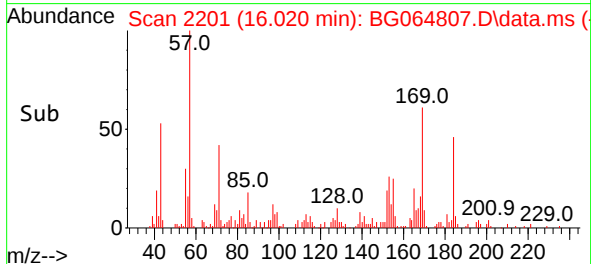
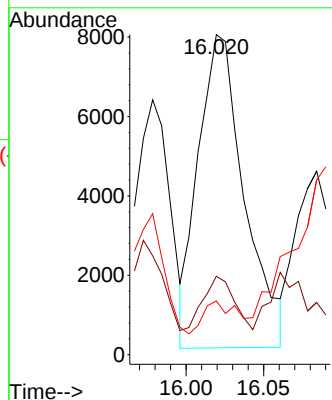
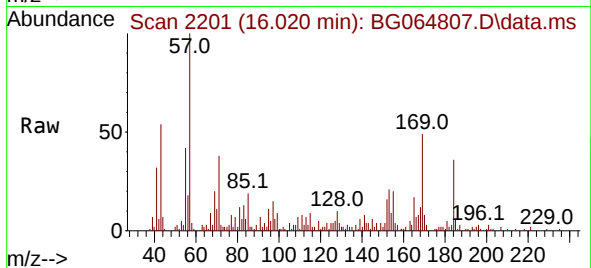
Tgt Ion:169 Resp: 16288

Ion Ratio Lower Upper

169 100

168 24.5 55.9 83.9#

167 16.8 29.8 44.6#



#67

4-Bromophenyl-phenylether

Concen: 3.684 ng

RT: 16.249 min Scan# 2240

Delta R.T. -0.444 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

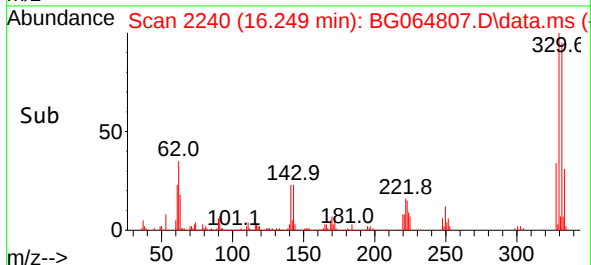
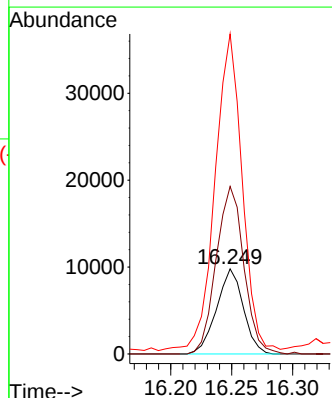
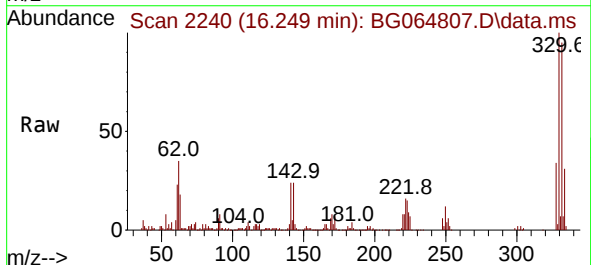
Tgt Ion:248 Resp: 14957

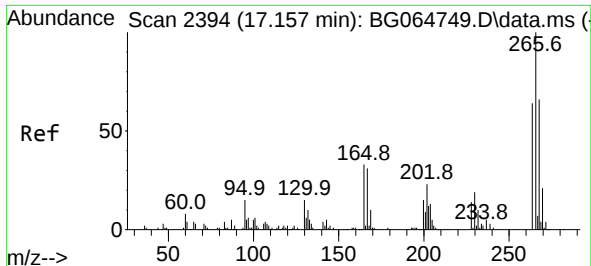
Ion Ratio Lower Upper

248 100

250 201.2 77.0 115.6#

141 294.9 43.7 65.5#

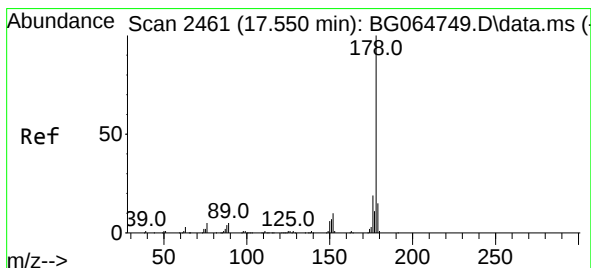
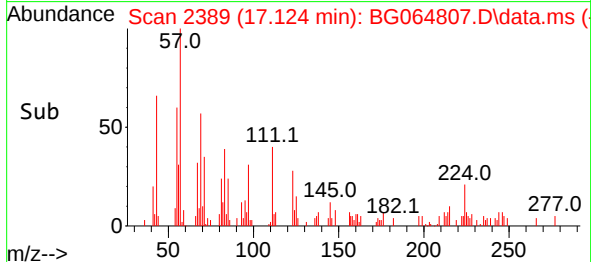
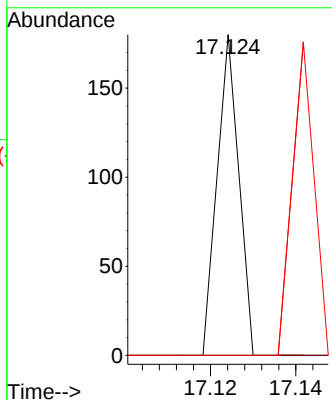
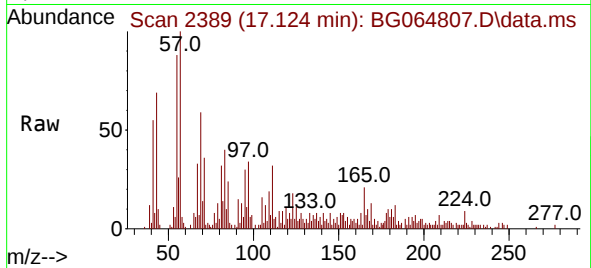




#70
 Pentachlorophenol
 Concen: 6.163 ng
 RT: 17.124 min Scan# 21
 Delta R.T. -0.033 min
 Lab File: BG064807.D
 Acq: 18 Nov 2025 17:42

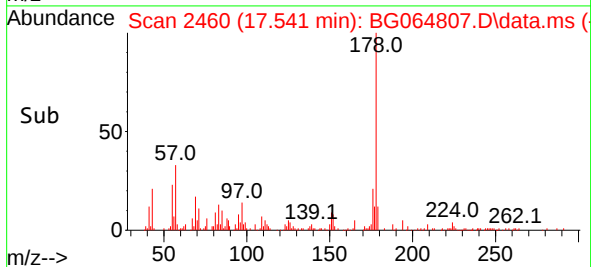
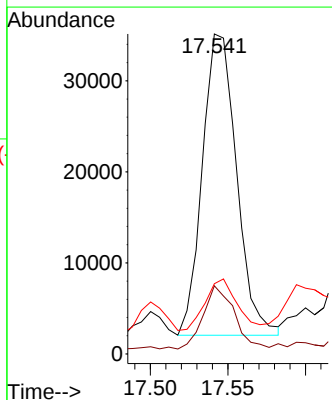
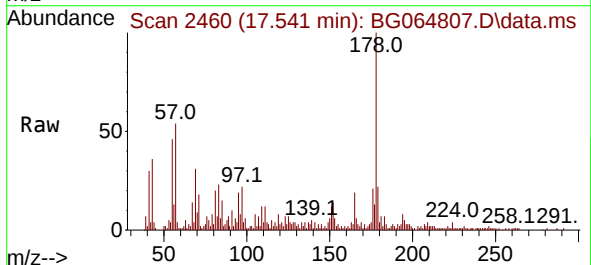
Instrument :
 BNA_G
 ClientSampleId :
 TP-1

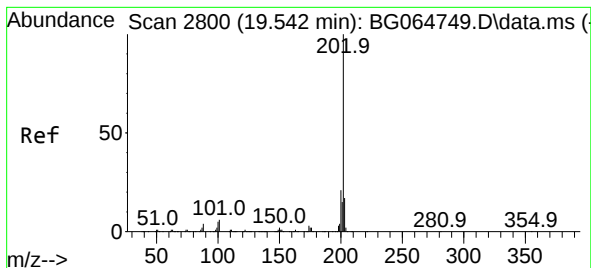
Tgt Ion:266 Resp: 63
 Ion Ratio Lower Upper
 266 100
 268 0.0 56.1 84.1#
 264 0.0 51.2 76.8#



#71
 Phenanthrene
 Concen: 3.006 ng
 RT: 17.541 min Scan# 2460
 Delta R.T. -0.009 min
 Lab File: BG064807.D
 Acq: 18 Nov 2025 17:42

Tgt Ion:178 Resp: 50846
 Ion Ratio Lower Upper
 178 100
 176 21.3 14.8 22.2
 179 22.0 12.2 18.4#





#75

Fluoranthene

Concen: 5.222 ng

RT: 19.539 min Scan# 21

Delta R.T. -0.003 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

Instrument :

BNA_G

ClientSampleId :

TP-1

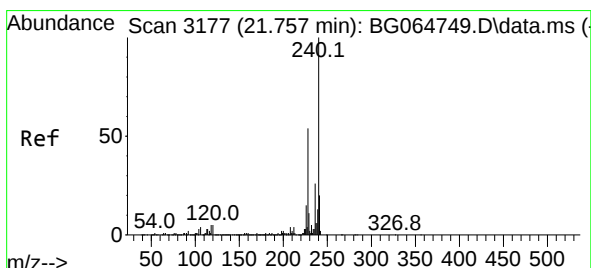
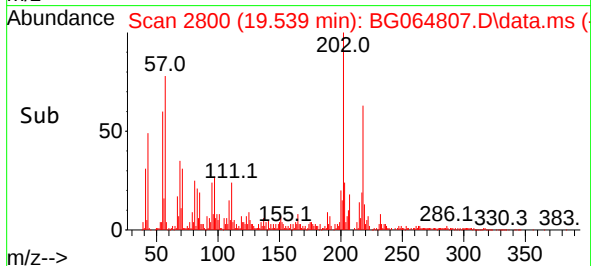
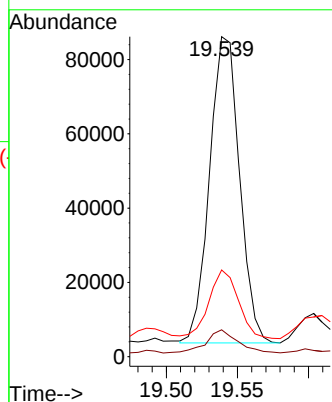
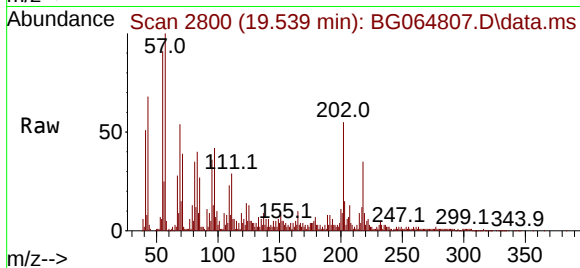
Tgt Ion:202 Resp: 120785

Ion Ratio Lower Upper

202 100

101 8.4 0.0 26.4

203 27.1 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.772 min Scan# 3180

Delta R.T. 0.014 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

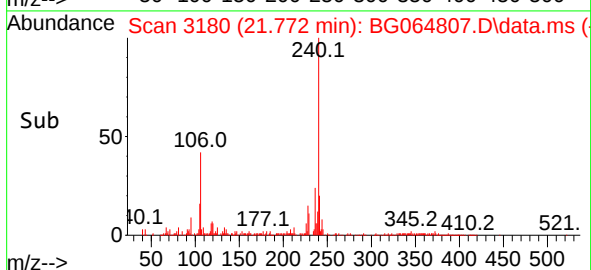
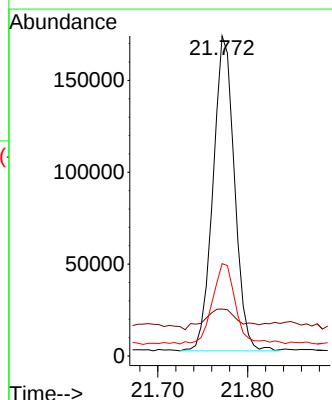
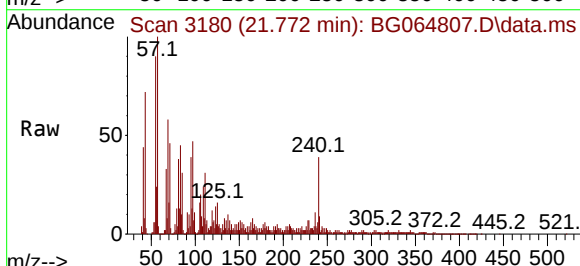
Tgt Ion:240 Resp: 284423

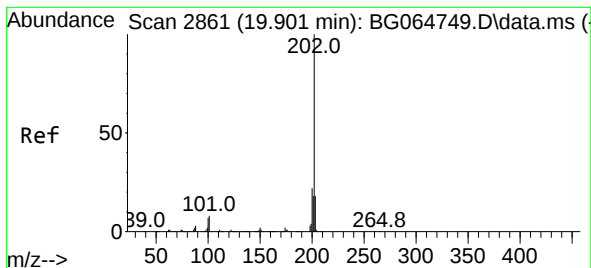
Ion Ratio Lower Upper

240 100

120 14.7 4.2 6.4#

236 28.9 20.8 31.2





#78

Pyrene

Concen: 16.832 ng

RT: 19.903 min Scan# 21

Delta R.T. 0.003 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

Instrument :

BNA_G

ClientSampleId :

TP-1

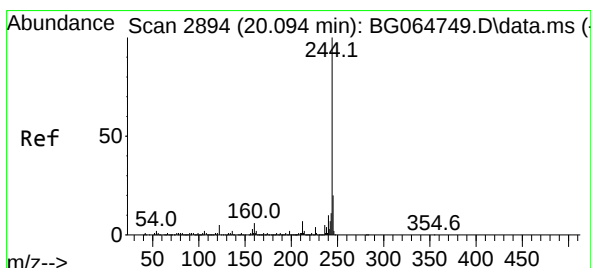
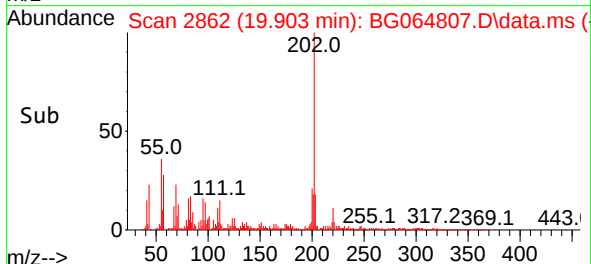
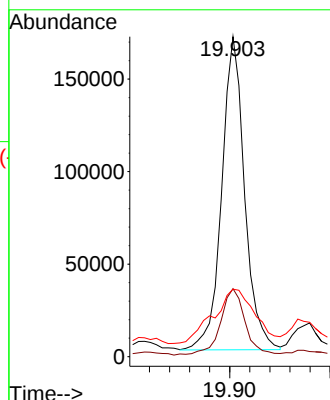
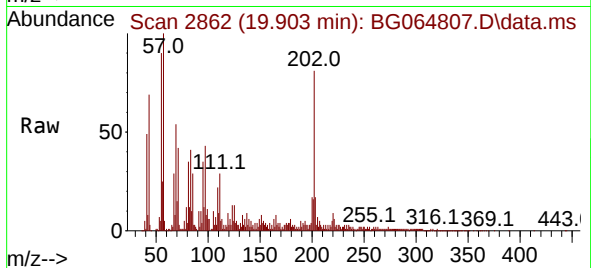
Tgt Ion:202 Resp: 268321

Ion Ratio Lower Upper

202 100

200 21.3 17.9 26.9

203 21.1 14.0 21.0#



#79

Terphenyl-d14

Concen: 65.908 ng

RT: 20.097 min Scan# 2895

Delta R.T. 0.003 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

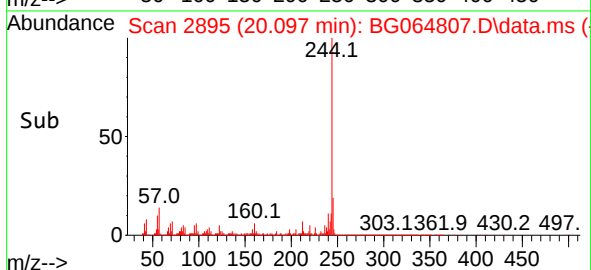
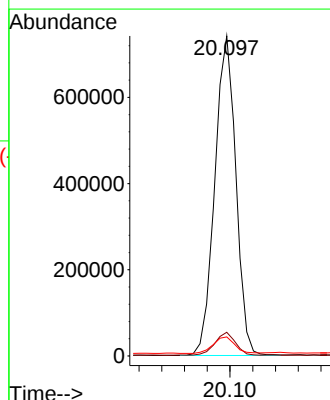
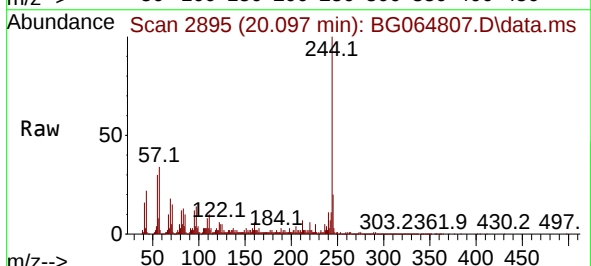
Tgt Ion:244 Resp: 952971

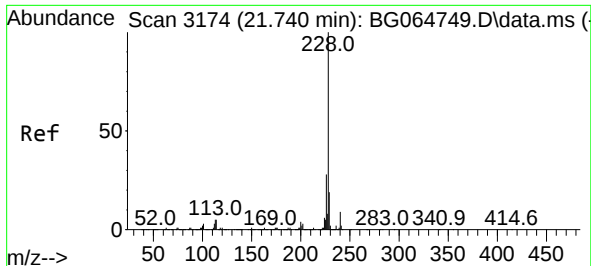
Ion Ratio Lower Upper

244 100

212 7.4 5.8 8.6

122 6.0 4.3 6.5

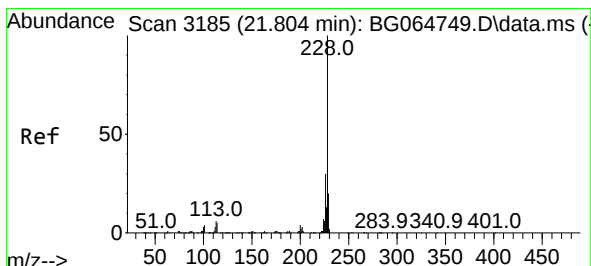
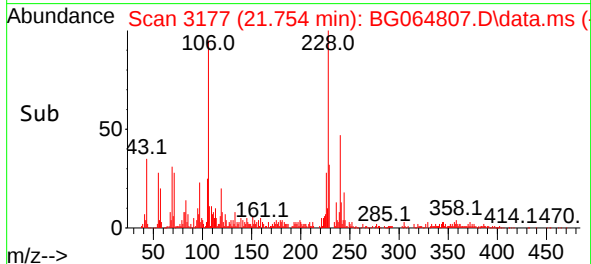
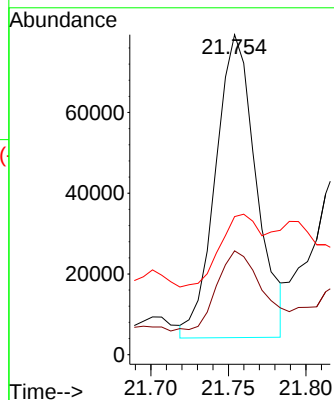
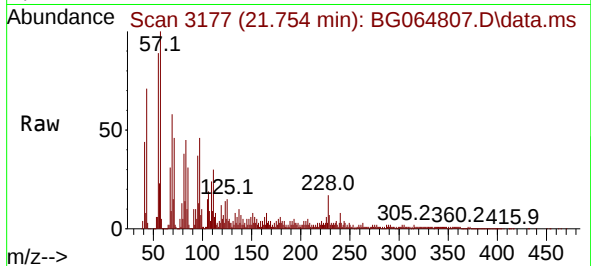




#81
Benzo(a)anthracene
Concen: 7.092 ng
RT: 21.754 min Scan# 3177
Delta R.T. 0.014 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

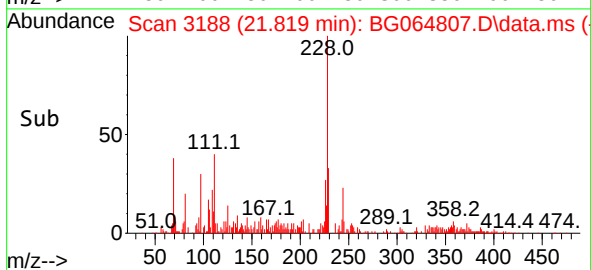
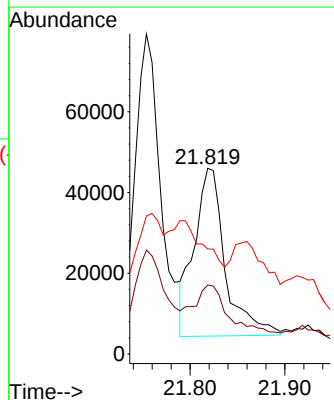
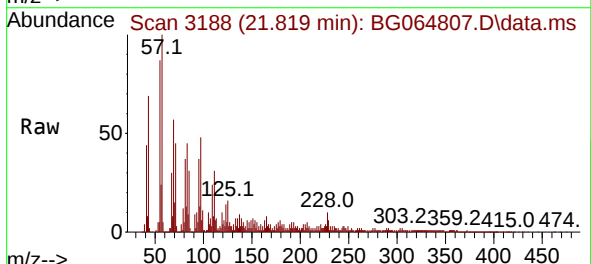
Instrument :
BNA_G
ClientSampleId :
TP-1

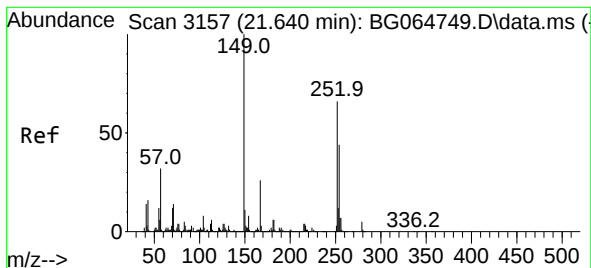
Tgt Ion:228 Resp: 137150
Ion Ratio Lower Upper
228 100
226 32.4 22.1 33.1
229 43.1 15.5 23.3#



#83
Chrysene
Concen: 5.194 ng
RT: 21.819 min Scan# 3188
Delta R.T. 0.014 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Tgt Ion:228 Resp: 94697
Ion Ratio Lower Upper
228 100
226 37.2 24.2 36.2#
229 56.6 16.0 24.0#

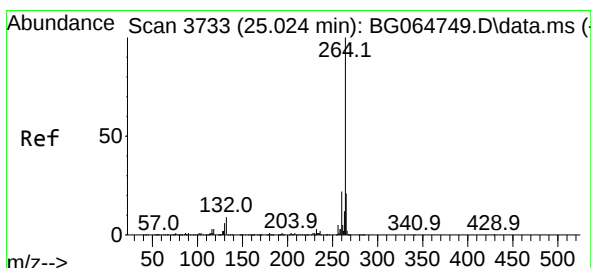
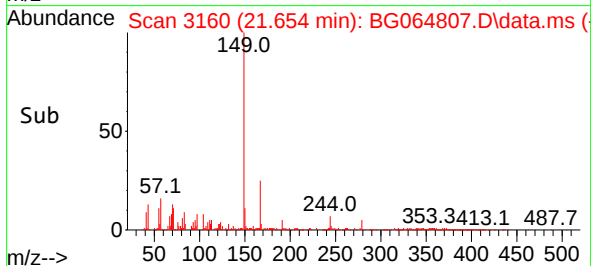
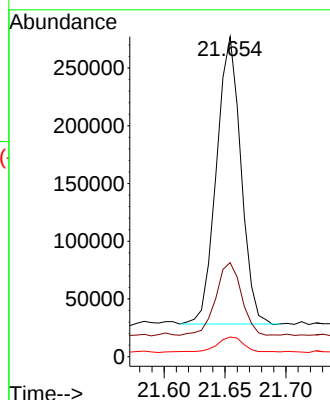
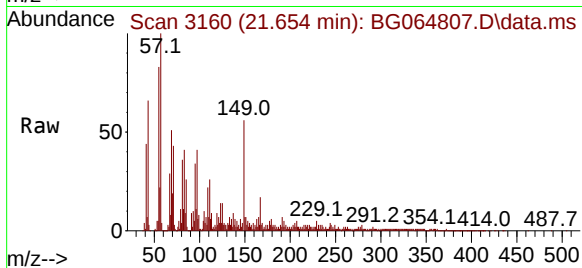




#84
Bis(2-ethylhexyl)phthalate
Concen: 42.407 ng
RT: 21.654 min Scan# 3157
Delta R.T. 0.014 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

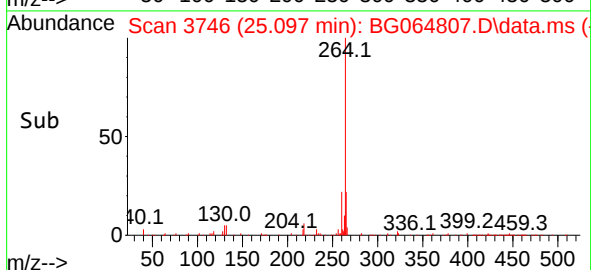
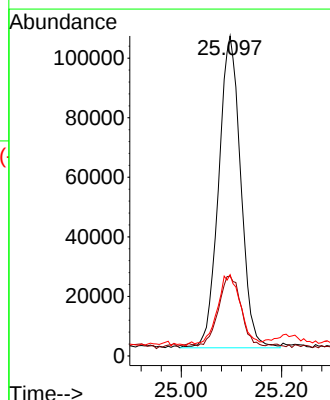
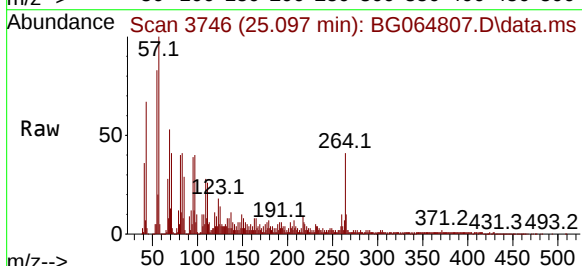
Instrument :
BNA_G
ClientSampleId :
TP-1

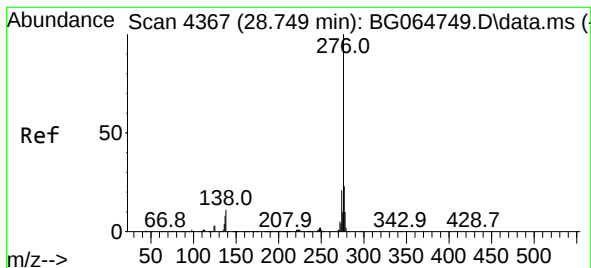
Tgt Ion:149 Resp: 347446
Ion Ratio Lower Upper
149 100
167 29.4 21.0 31.4
279 6.1 4.1 6.1#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.097 min Scan# 3746
Delta R.T. 0.073 min
Lab File: BG064807.D
Acq: 18 Nov 2025 17:42

Tgt Ion:264 Resp: 319328
Ion Ratio Lower Upper
264 100
260 24.9 17.2 25.8
265 25.4 16.6 25.0#





#87

Indeno(1,2,3-cd)pyrene

Concen: 2.638 ng

RT: 28.881 min Scan# 4367

Delta R.T. 0.132 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

Instrument :

BNA_G

ClientSampleId :

TP-1

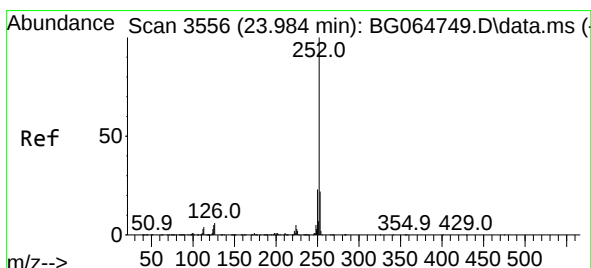
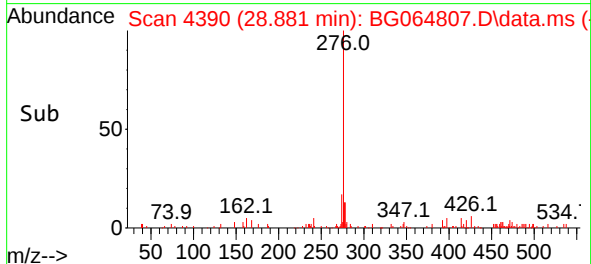
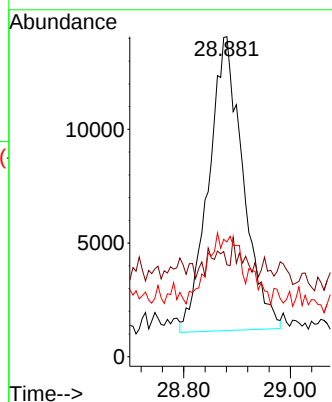
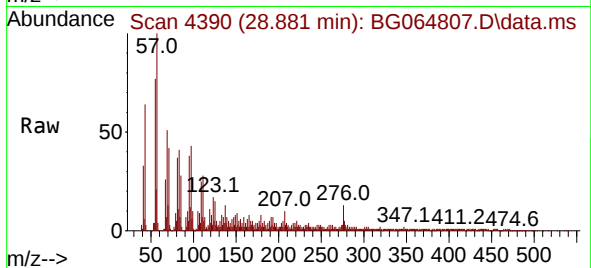
Tgt Ion:276 Resp: 57884

Ion Ratio Lower Upper

276 100

138 5.0 4.5 6.7

277 0.0 20.0 30.0#



#88

Benzo(b)fluoranthene

Concen: 4.062 ng

RT: 24.040 min Scan# 3566

Delta R.T. 0.056 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

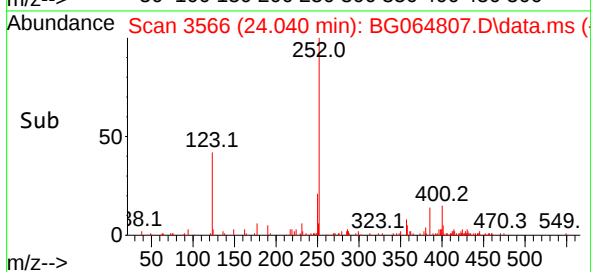
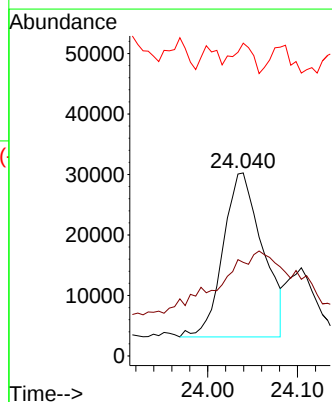
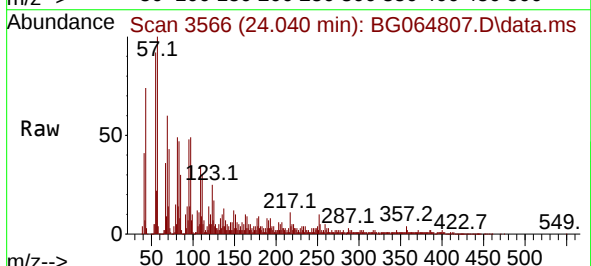
Tgt Ion:252 Resp: 82536

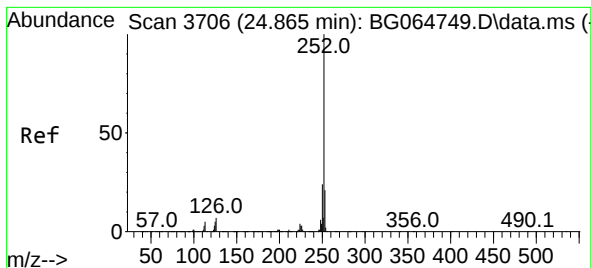
Ion Ratio Lower Upper

252 100

253 51.1 17.4 26.2#

125 170.9 4.2 6.2#





#90

Benzo(a)pyrene

Concen: 5.557 ng

RT: 24.938 min Scan# 31

Delta R.T. 0.073 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

Instrument :

BNA_G

ClientSampleId :

TP-1

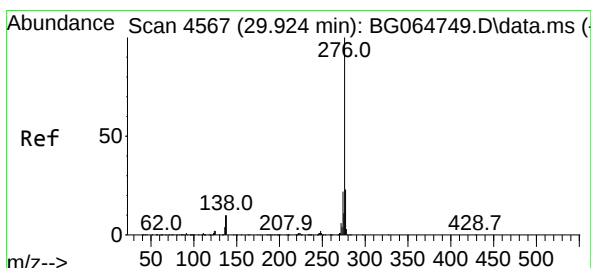
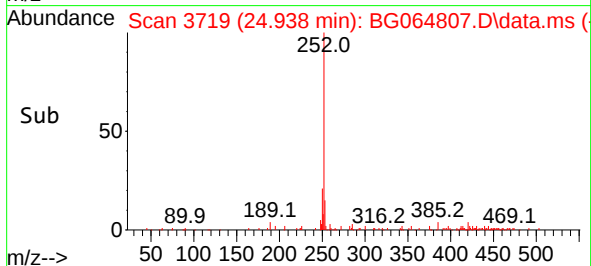
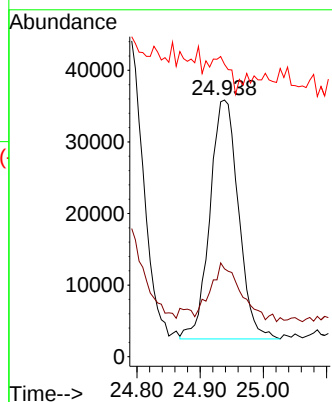
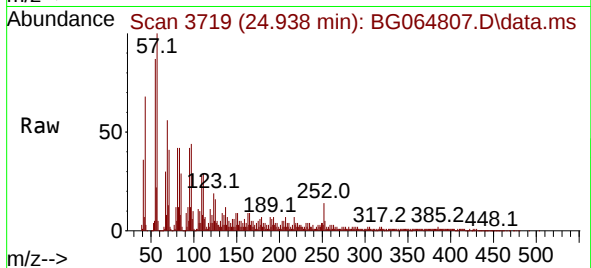
Tgt Ion:252 Resp: 104755

Ion Ratio Lower Upper

252 100

253 34.2 16.9 25.3#

125 113.9 4.2 6.4#



#92

Benzo(g,h,i)perylene

Concen: 9.536 ng

RT: 30.056 min Scan# 4590

Delta R.T. 0.132 min

Lab File: BG064807.D

Acq: 18 Nov 2025 17:42

Tgt Ion:276 Resp: 164944

Ion Ratio Lower Upper

276 100

277 27.4 18.0 27.0#

138 18.9 8.2 12.2#

