

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090225\
 Data File : BG064245.D
 Acq On : 2 Sep 2025 14:43
 Operator : RC/JU
 Sample : Q2995-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 15:27:11 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

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

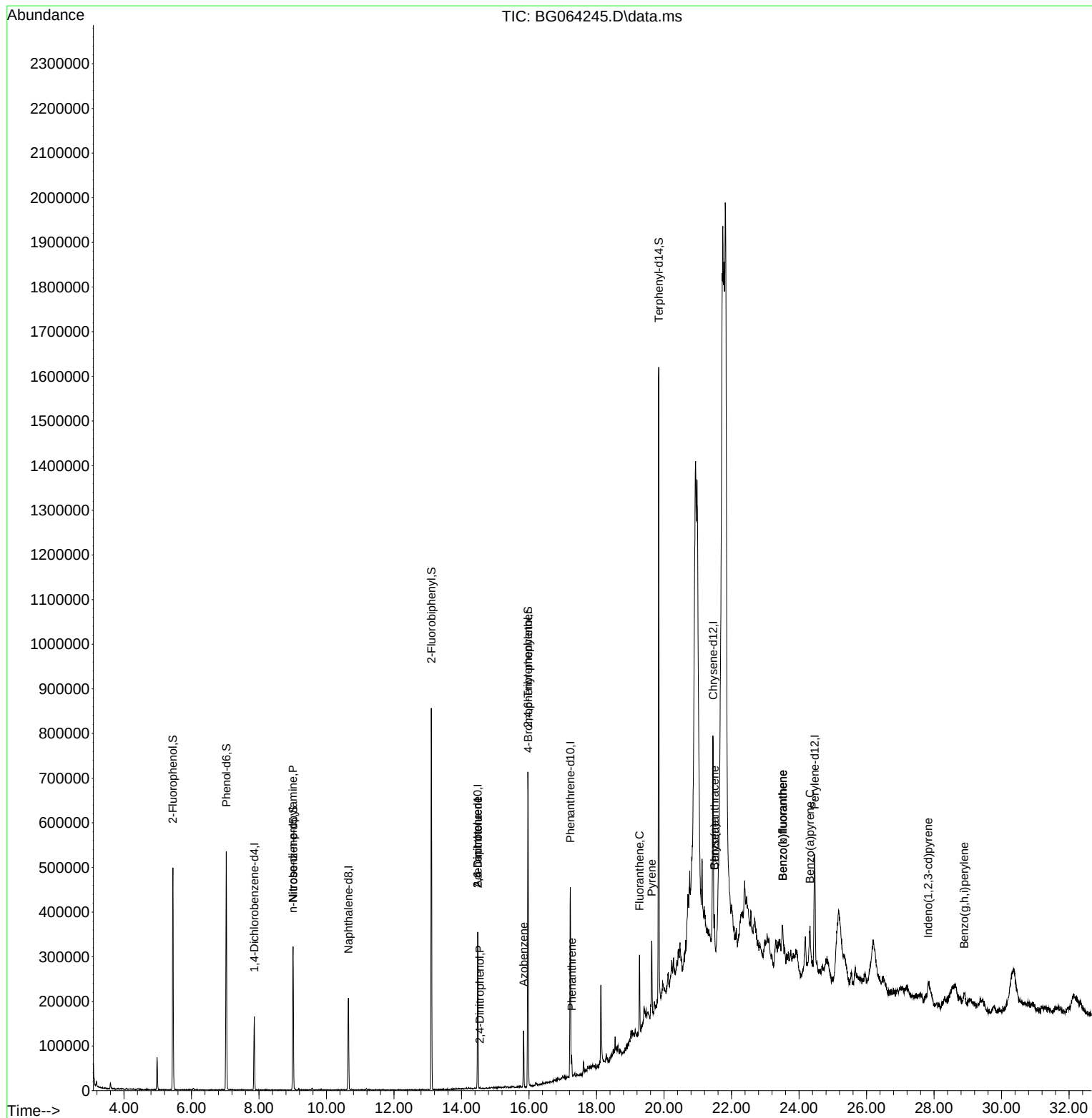
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.858	152	40131	20.000	ng	0.00
21) Naphthalene-d8	10.649	136	165460	20.000	ng	0.00
39) Acenaphthene-d10	14.480	164	115709	20.000	ng	0.00
64) Phenanthrene-d10	17.224	188	251589	20.000	ng	0.00
76) Chrysene-d12	21.454	240	244909	20.000	ng	0.00
86) Perylene-d12	24.462	264	271333	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.449	112	191449	85.589	ng	0.00
7) Phenol-d6	7.030	99	260821	84.874	ng	0.00
23) Nitrobenzene-d5	9.010	82	167353	56.408	ng	0.00
42) 2,4,6-Tribromophenol	15.966	330	127257	83.032	ng	0.00
45) 2-Fluorobiphenyl	13.105	172	414111	54.627	ng	0.00
79) Terphenyl-d14	19.844	244	687573	58.573	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.004	70	23943	10.180	ng	# 67
51) 2,6-Dinitrotoluene	14.480	165	15934	9.398	ng	# 14
54) 2,4-Dinitrophenol	14.538	184	54	5.697	ng	# 1
57) 2,4-Dinitrotoluene	14.480	165	15934	6.215	ng	# 17
63) Azobenzene	15.837	77	35229	4.217	ng	# 1
67) 4-Bromophenyl-phenylether	15.972	248	9055	3.389	ng	# 1
71) Phenanthrene	17.265	178	27336	2.060	ng	97
75) Fluoranthene	19.274	202	107140	6.867	ng	98
78) Pyrene	19.632	202	112641	7.300	ng	97
81) Benzo(a)anthracene	21.495	228	66292	4.231	ng	97
83) Chrysene	21.495	228	66292	4.407	ng	99
87) Indeno(1,2,3-cd)pyrene	27.829	276	52715	2.845	ng	# 61
88) Benzo(b)fluoranthene	23.516	252	137780	8.997	ng	# 88
89) Benzo(k)fluoranthene	23.516	252	137780	8.831	ng	# 90
90) Benzo(a)pyrene	24.321	252	74187	5.208	ng	# 89
92) Benzo(g,h,i)perylene	28.898	276	56818	3.925	ng	95

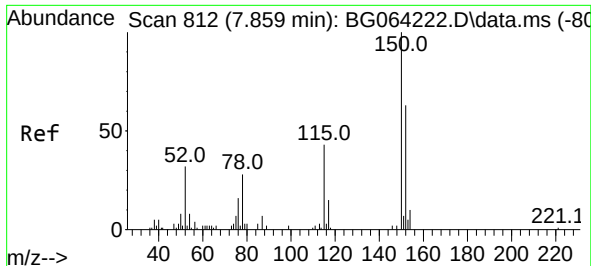
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090225\
Data File : BG064245.D
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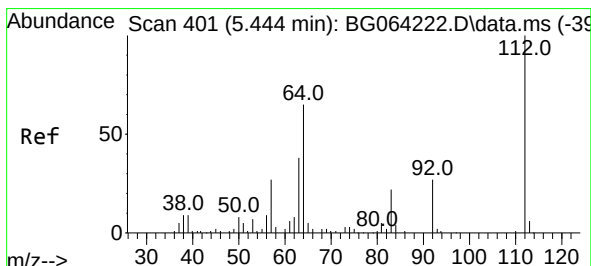
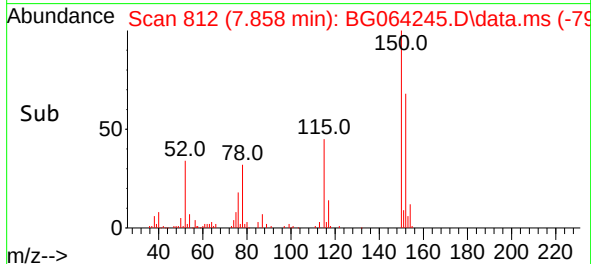
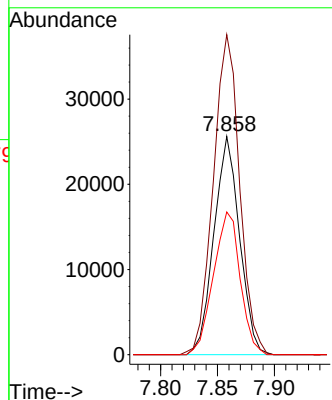
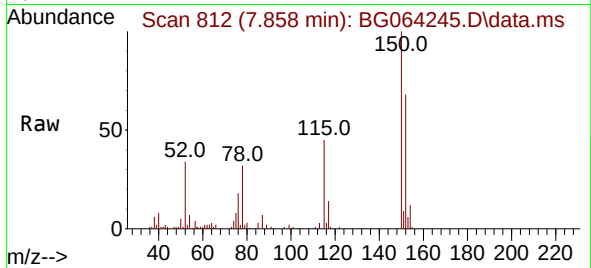




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.858 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

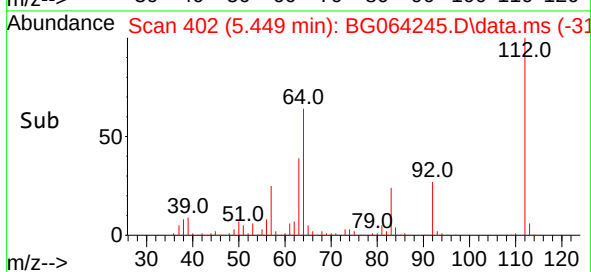
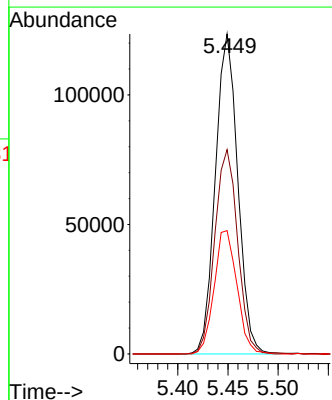
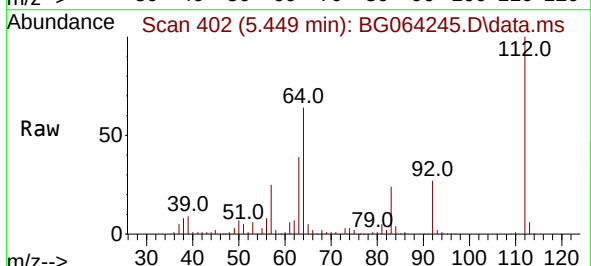
Instrument :
BNA_G
ClientSampleId :

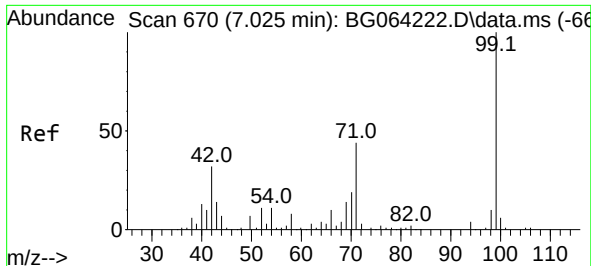
Tgt Ion:152 Resp: 40131
Ion Ratio Lower Upper
152 100
150 146.6 128.0 192.0
115 65.4 55.7 83.5



#5
2-Fluorophenol
Concen: 85.589 ng
RT: 5.449 min Scan# 402
Delta R.T. 0.005 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

Tgt Ion:112 Resp: 191449
Ion Ratio Lower Upper
112 100
64 63.9 51.8 77.6
63 38.5 30.6 45.8

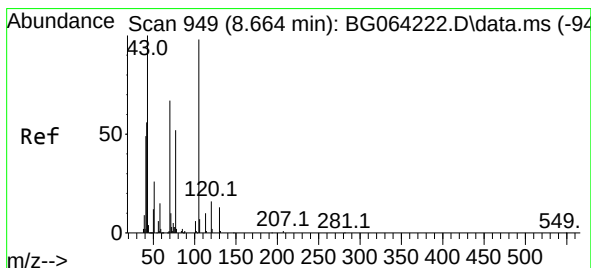
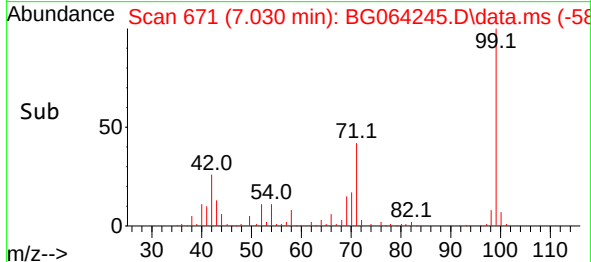
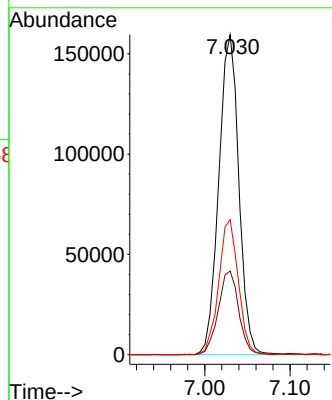
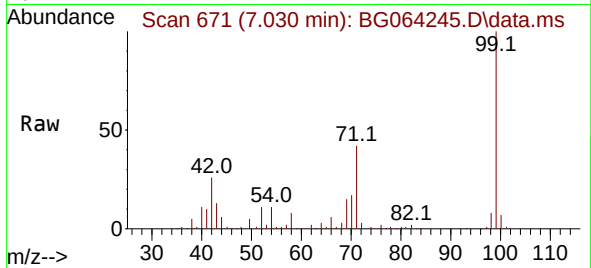




#7
Phenol-d6
Concen: 84.874 ng
RT: 7.030 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

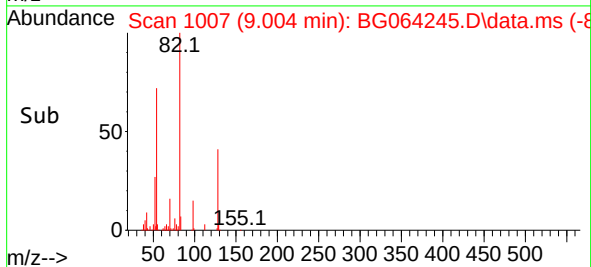
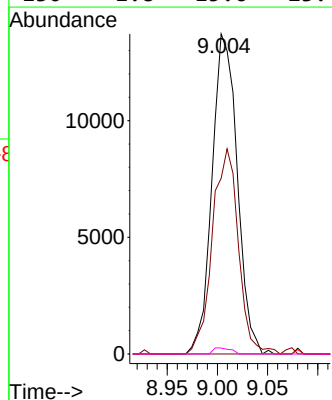
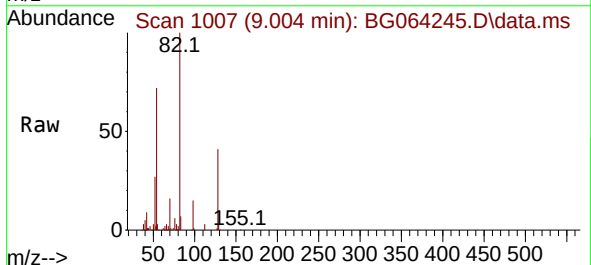
Instrument :
BNA_G
ClientSampleId :

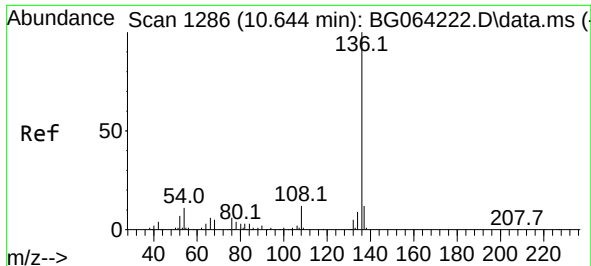
Tgt Ion: 99 Resp: 260821
Ion Ratio Lower Upper
99 100
42 26.2 25.8 38.8
71 42.2 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 10.180 ng
RT: 9.004 min Scan# 1007
Delta R.T. 0.340 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

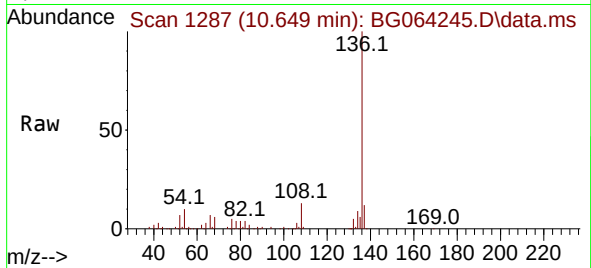
Tgt Ion: 70 Resp: 23943
Ion Ratio Lower Upper
70 100
42 54.9 67.9 101.9#
101 0.0 7.3 10.9#
130 1.8 15.6 23.4#



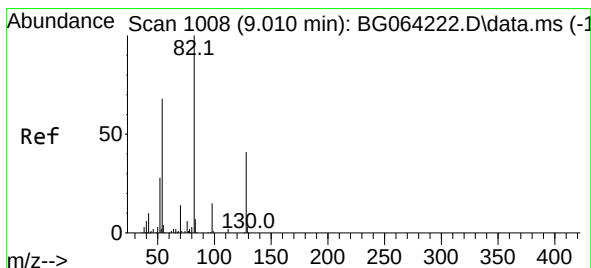
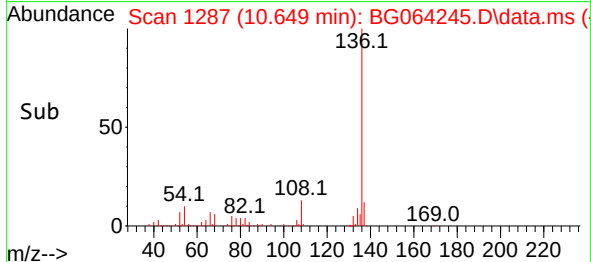
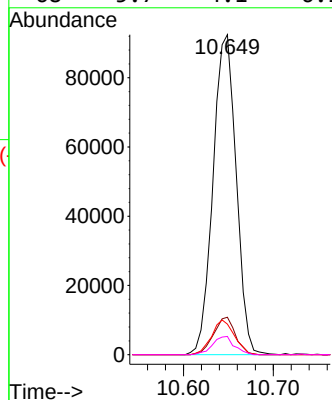


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.649 min Scan# 10649
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

Instrument :
BNA_G
ClientSampleId :

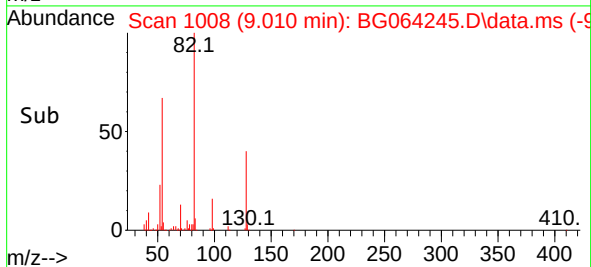
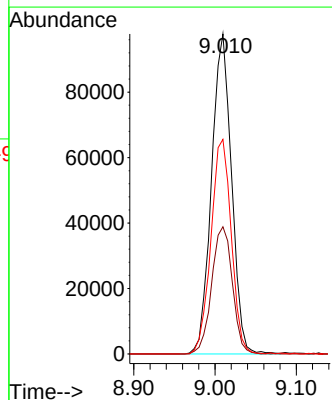
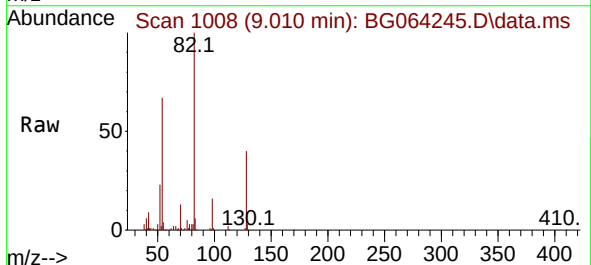


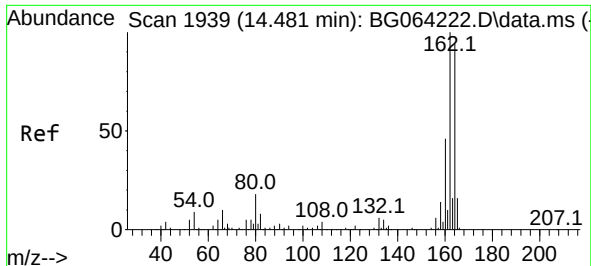
Tgt Ion:136 Resp: 165460
Ion Ratio Lower Upper
136 100
137 11.7 9.6 14.4
54 9.5 8.8 13.2
68 5.7 4.1 6.1



#23
Nitrobenzene-d5
Concen: 56.408 ng
RT: 9.010 min Scan# 1008
Delta R.T. -0.007 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

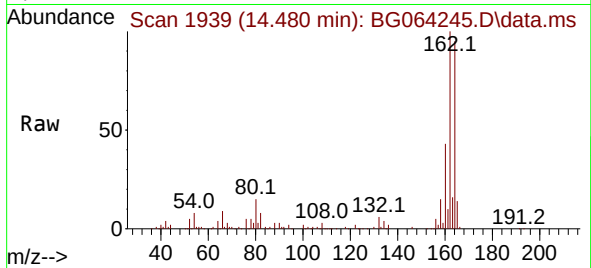
Tgt Ion: 82 Resp: 167353
Ion Ratio Lower Upper
82 100
128 39.8 32.6 48.8
54 67.0 54.7 82.1



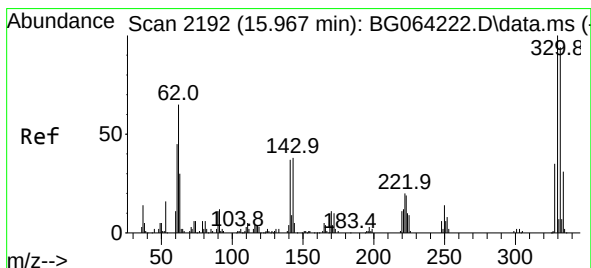
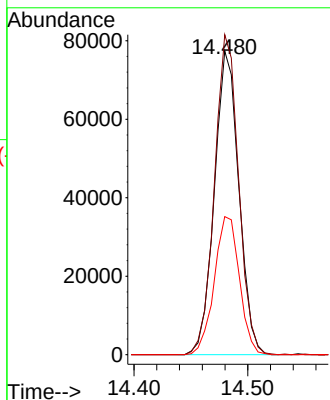
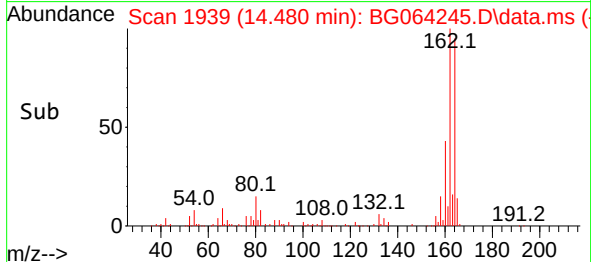


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.480 min Scan# 1939
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

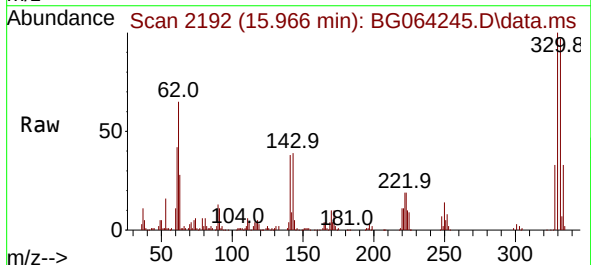
Instrument :
BNA_G
ClientSampleId :



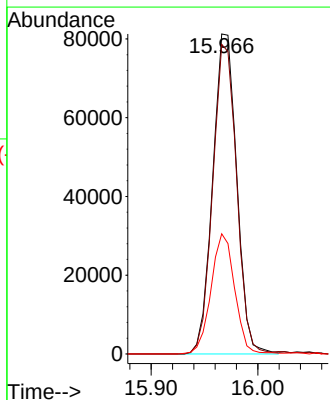
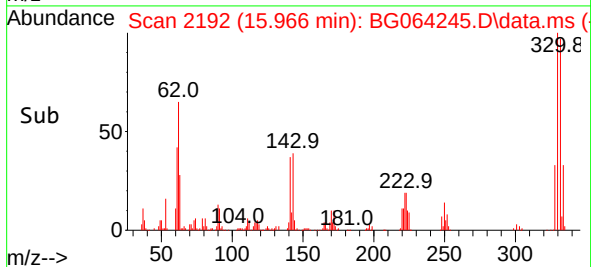
Tgt Ion:164 Resp: 115709
Ion Ratio Lower Upper
164 100
162 105.4 85.4 128.0
160 45.5 39.2 58.8

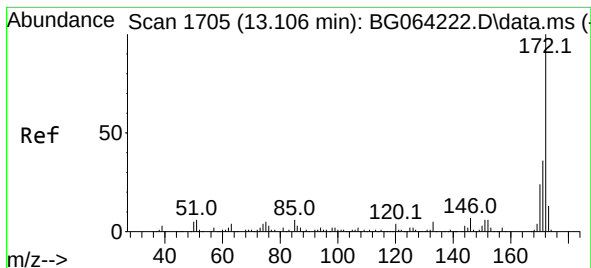


#42
2,4,6-Tribromophenol
Concen: 83.032 ng
RT: 15.966 min Scan# 2192
Delta R.T. -0.007 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43



Tgt Ion:330 Resp: 127257
Ion Ratio Lower Upper
330 100
332 96.4 77.6 116.4
141 37.0 29.8 44.6

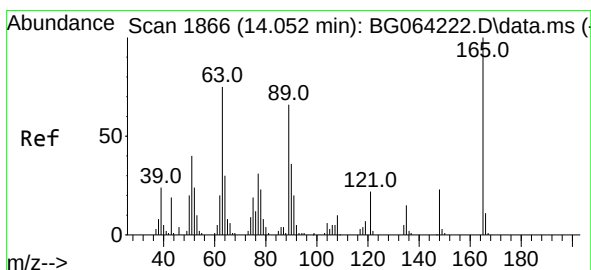
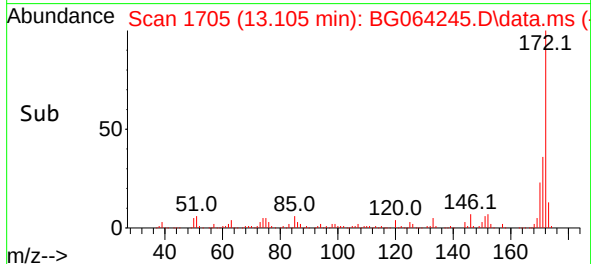
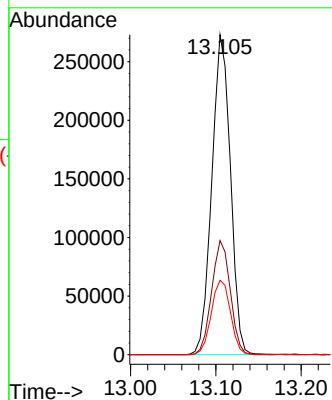
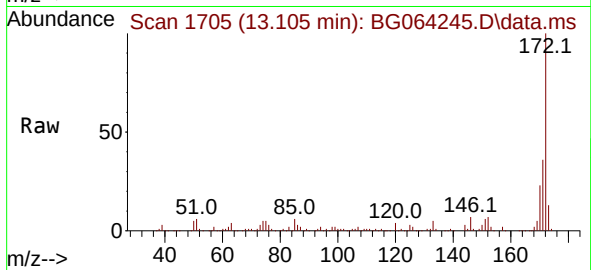




#45
2-Fluorobiphenyl
Concen: 54.627 ng
RT: 13.105 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

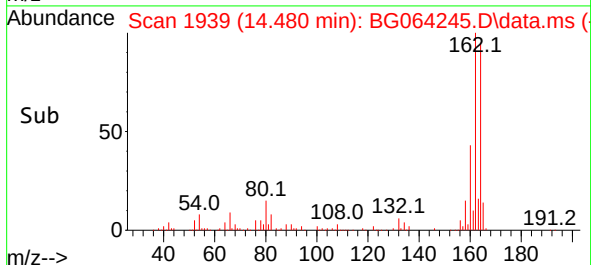
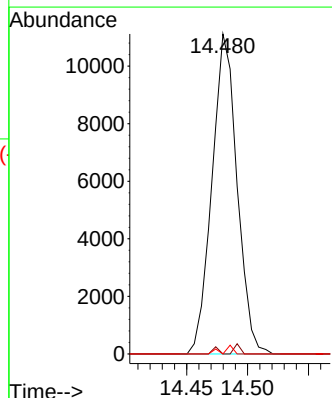
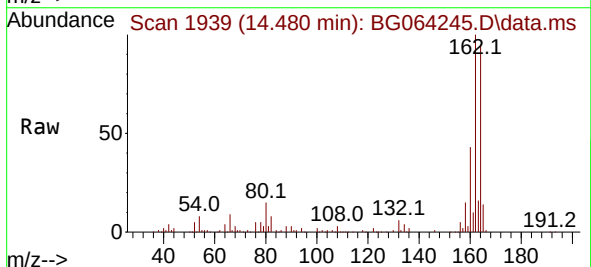
Instrument :
BNA_G
ClientSampleId :

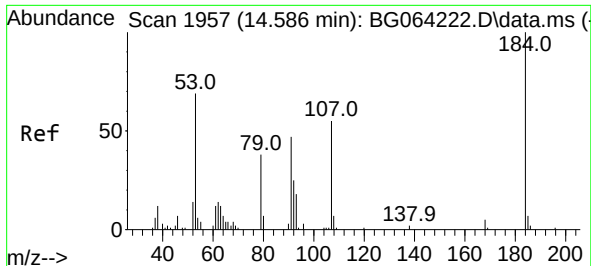
Tgt Ion:172 Resp: 414111
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 23.2 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.398 ng
RT: 14.480 min Scan# 1939
Delta R.T. 0.422 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

Tgt Ion:165 Resp: 15934
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#

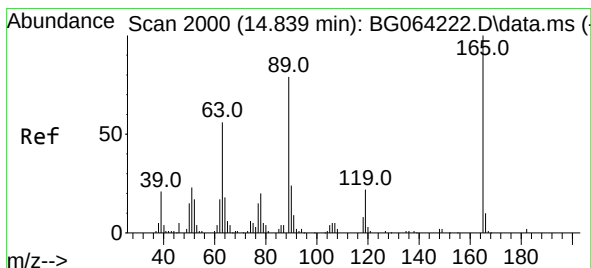
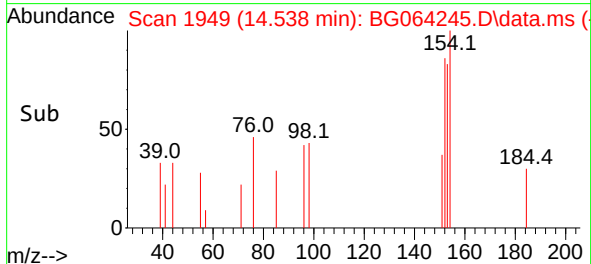
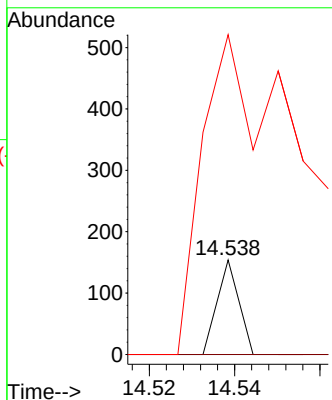
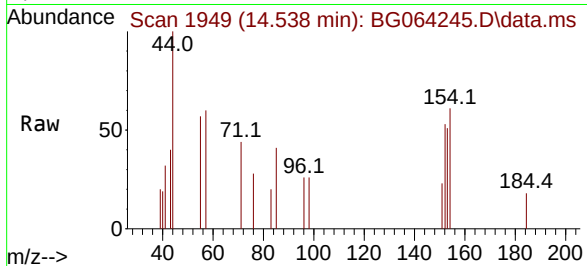




#54
2,4-Dinitrophenol
Concen: 5.697 ng
RT: 14.538 min Scan# 1949
Delta R.T. -0.054 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

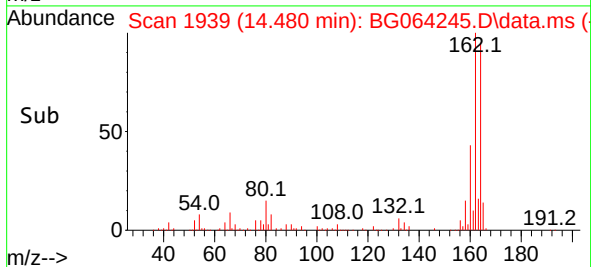
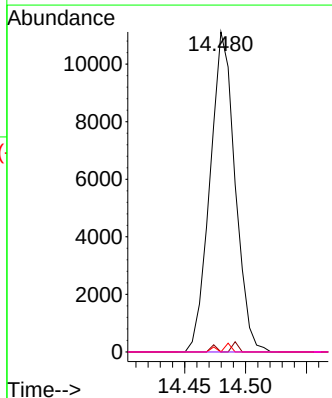
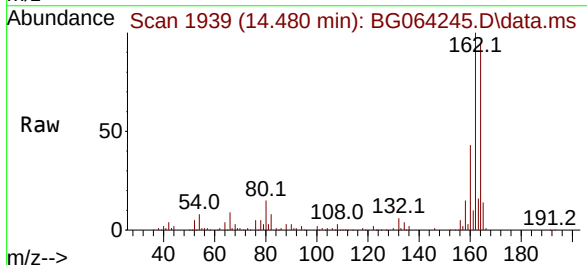
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BNA_G
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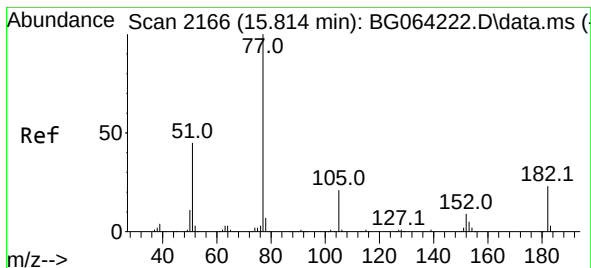
Tgt Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 60.1 90.1#
154 338.3 59.8 89.8#



#57
2,4-Dinitrotoluene
Concen: 6.215 ng
RT: 14.480 min Scan# 1939
Delta R.T. -0.365 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

Tgt Ion:165 Resp: 15934
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 0.0 63.0 94.4#
182 0.0 1.5 2.3#





#63

Azobenzene

Concen: 4.217 ng

RT: 15.837 min Scan# 21

Delta R.T. 0.017 min

Lab File: BG064245.D

Acq: 2 Sep 2025 14:43

Instrument :

BNA_G

ClientSampleId :

Tgt Ion: 77 Resp: 35229

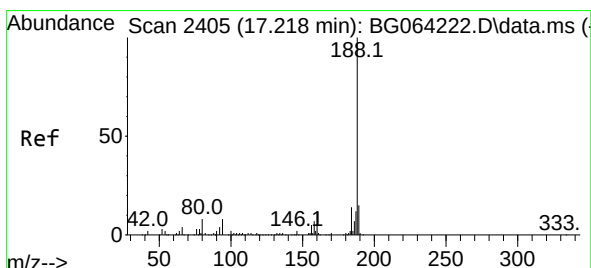
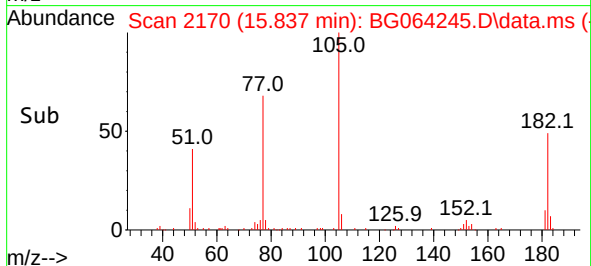
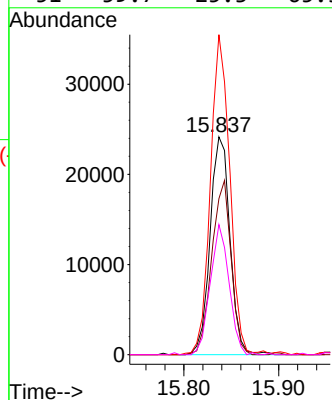
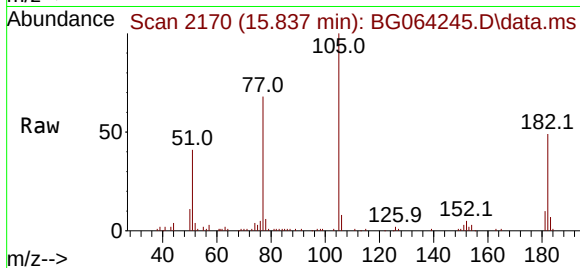
Ion Ratio Lower Upper

77 100

182 71.7 3.3 43.3#

105 147.0 0.6 40.6#

51 59.7 25.3 65.3



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.224 min Scan# 2406

Delta R.T. -0.001 min

Lab File: BG064245.D

Acq: 2 Sep 2025 14:43

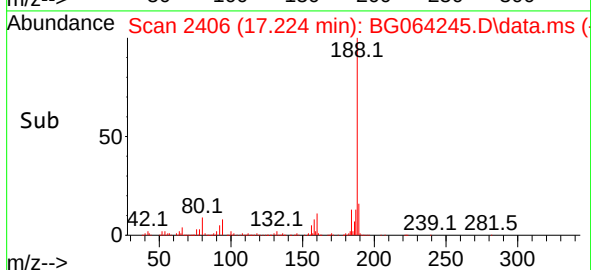
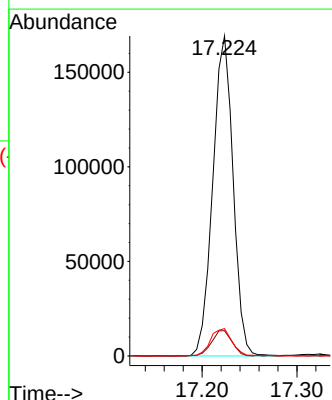
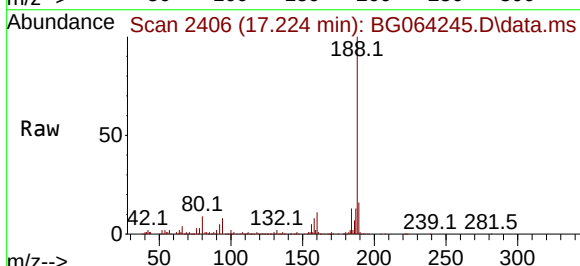
Tgt Ion:188 Resp: 251589

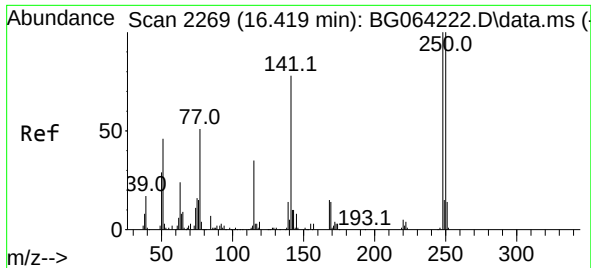
Ion Ratio Lower Upper

188 100

94 7.9 6.2 9.4

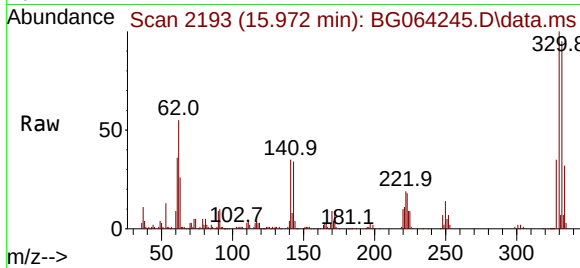
80 8.5 6.8 10.2



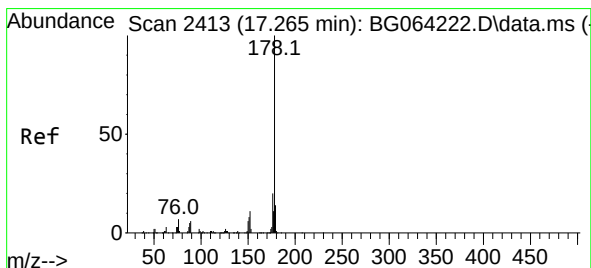
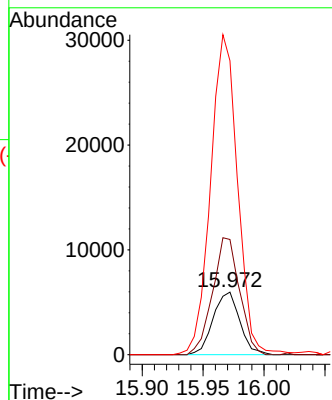
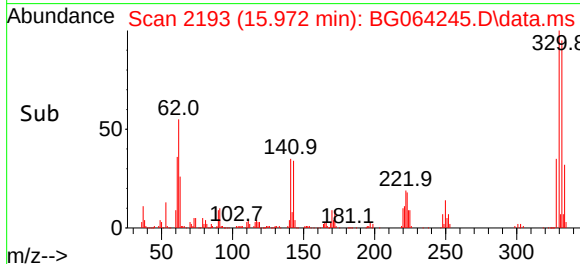


#67
4-Bromophenyl-phenylether
Concen: 3.389 ng
RT: 15.972 min Scan# 2193
Delta R.T. -0.448 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

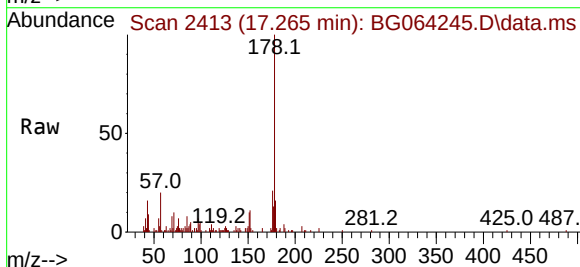
Instrument :
BNA_G
ClientSampleId :



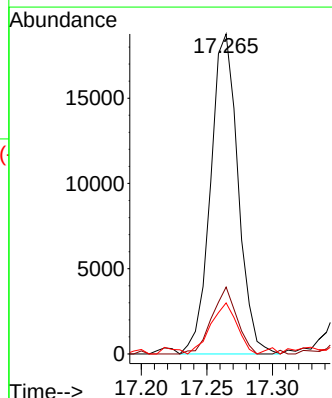
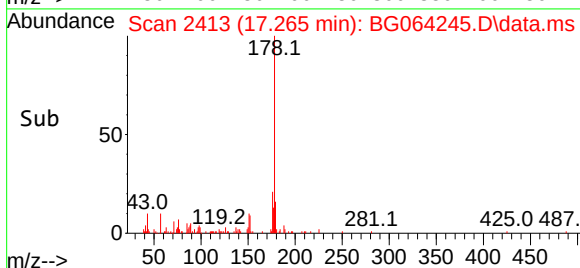
Tgt Ion:248 Resp: 9055
Ion Ratio Lower Upper
248 100
250 184.3 80.2 120.4#
141 470.3 62.4 93.6#

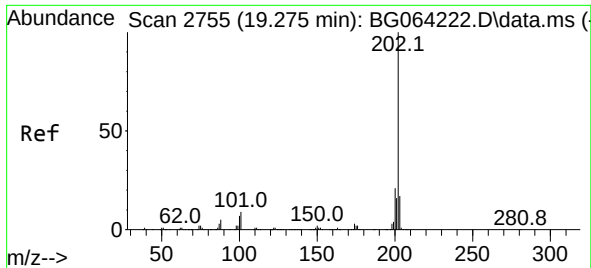


#71
Phenanthrene
Concen: 2.060 ng
RT: 17.265 min Scan# 2413
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43



Tgt Ion:178 Resp: 27336
Ion Ratio Lower Upper
178 100
176 20.9 15.9 23.9
179 15.9 11.4 17.2

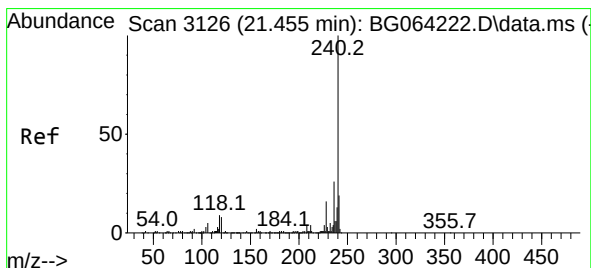
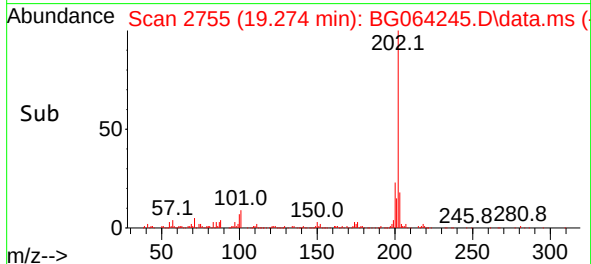
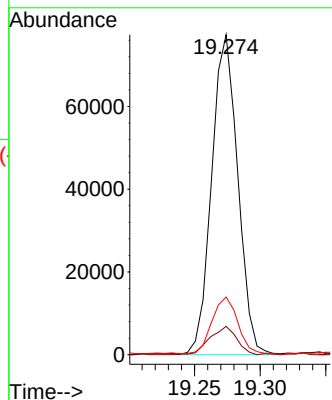
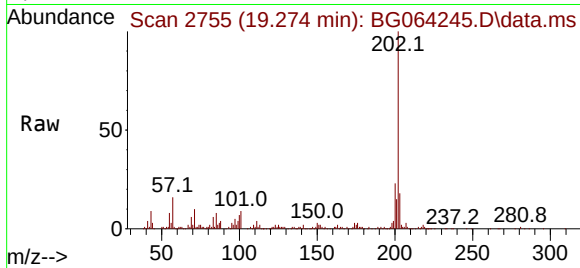




#75
Fluoranthene
Concen: 6.867 ng
RT: 19.274 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

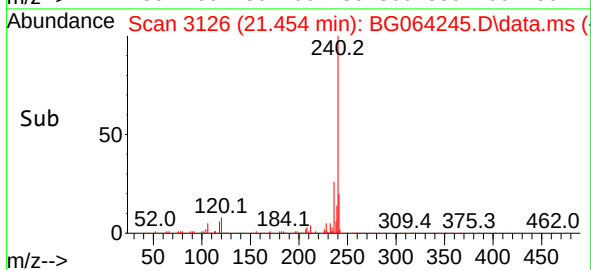
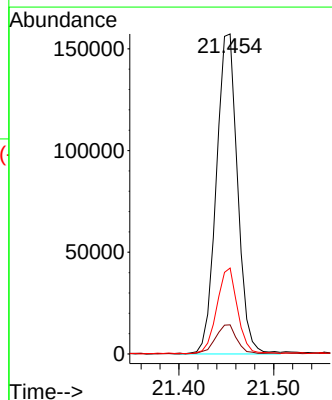
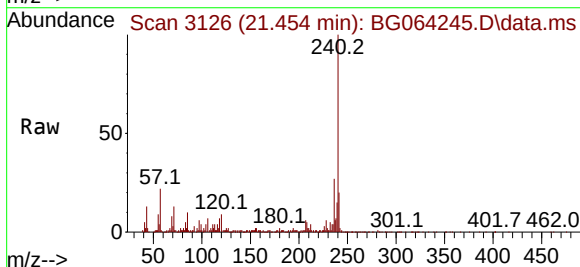
Instrument :
BNA_G
ClientSampleId :

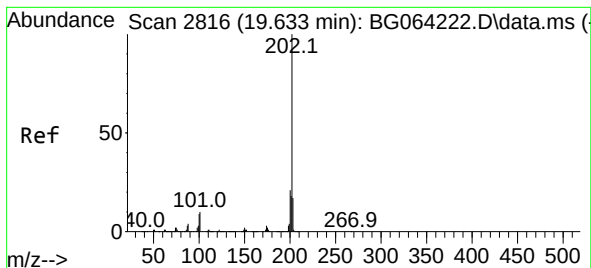
Tgt Ion:202 Resp: 107140
Ion Ratio Lower Upper
202 100
101 8.8 0.0 28.7
203 18.0 0.0 36.9



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.454 min Scan# 3126
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

Tgt Ion:240 Resp: 244909
Ion Ratio Lower Upper
240 100
120 9.1 6.2 9.4
236 26.9 20.5 30.7





#78

Pyrene

Concen: 7.300 ng

RT: 19.632 min Scan# 2816

Delta R.T. -0.007 min

Lab File: BG064245.D

Acq: 2 Sep 2025 14:43

Instrument :

BNA_G

ClientSampleId :

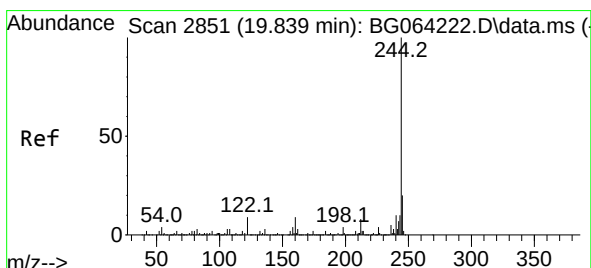
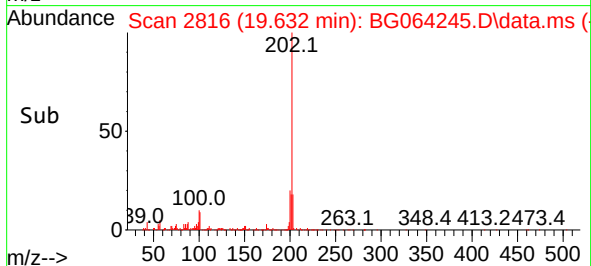
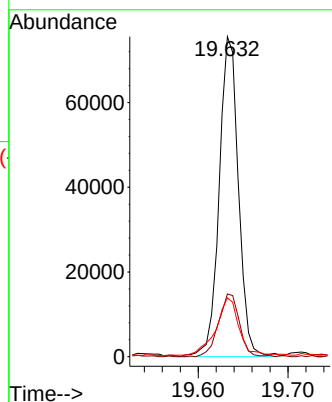
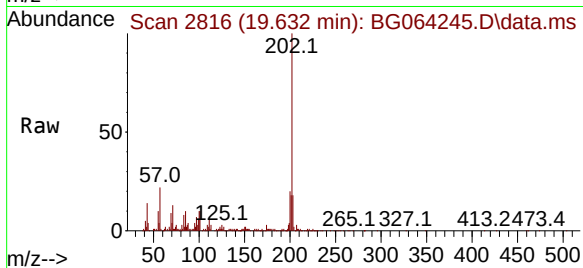
Tgt Ion:202 Resp: 112641

Ion Ratio Lower Upper

202 100

200 19.6 16.9 25.3

203 18.4 13.8 20.8



#79

Terphenyl-d14

Concen: 58.573 ng

RT: 19.844 min Scan# 2852

Delta R.T. -0.001 min

Lab File: BG064245.D

Acq: 2 Sep 2025 14:43

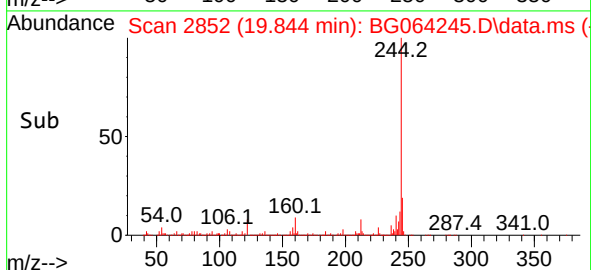
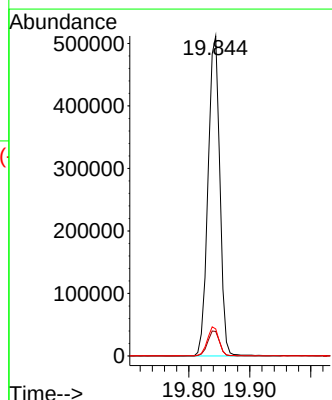
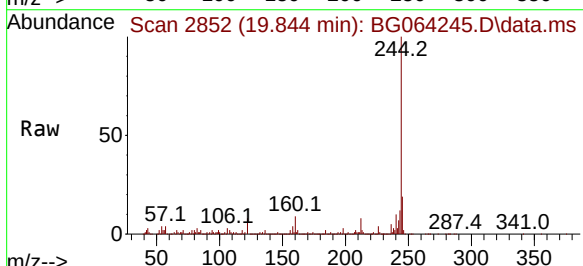
Tgt Ion:244 Resp: 687573

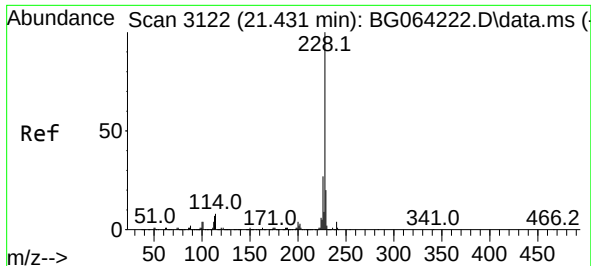
Ion Ratio Lower Upper

244 100

212 7.6 6.6 10.0

122 8.5 7.0 10.6

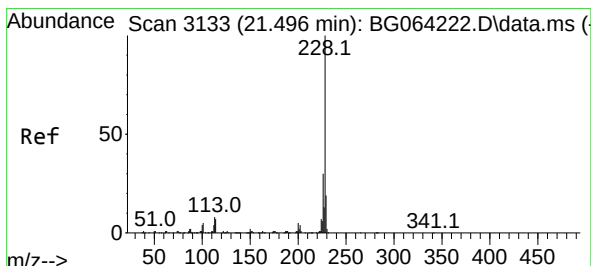
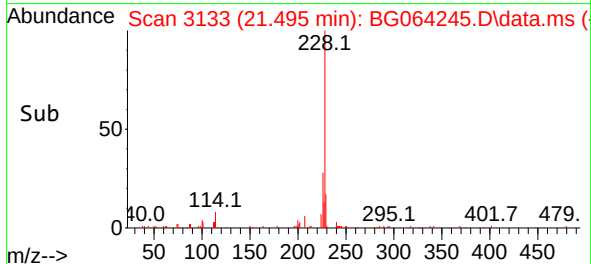
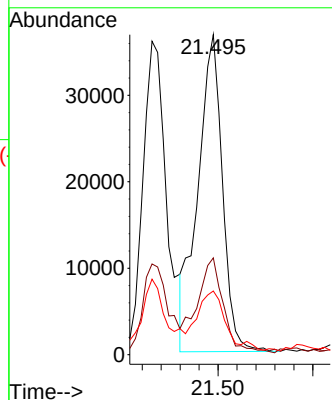
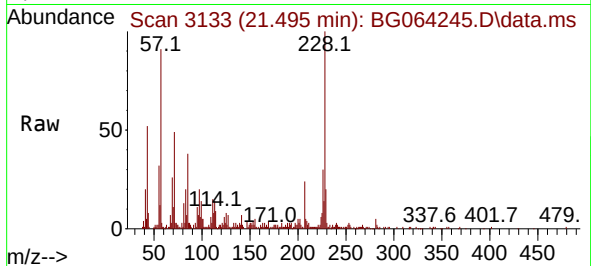




#81
Benzo(a)anthracene
Concen: 4.231 ng
RT: 21.495 min Scan# 3122
Delta R.T. 0.058 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

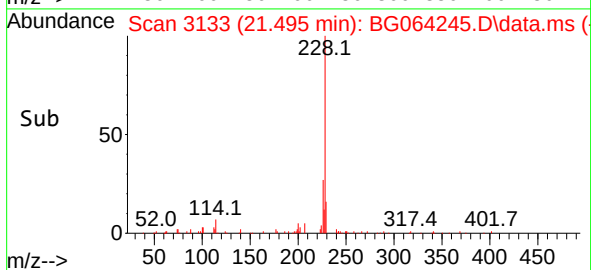
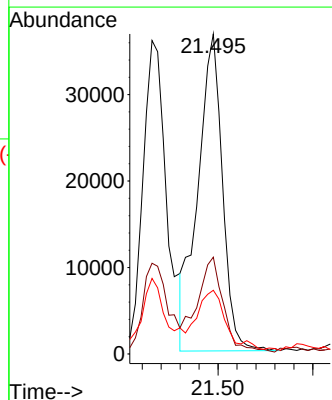
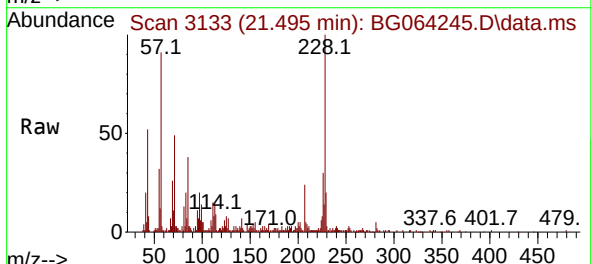
Instrument :
BNA_G
ClientSampleId :

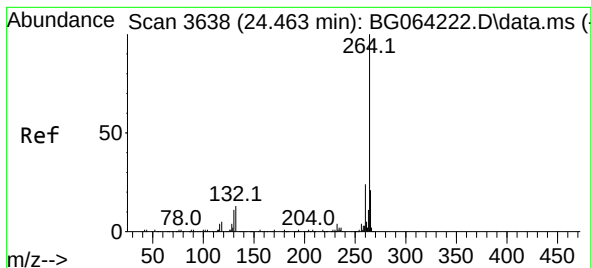
Tgt Ion:228 Resp: 66292
Ion Ratio Lower Upper
228 100
226 30.2 21.7 32.5
229 19.9 15.9 23.9



#83
Chrysene
Concen: 4.407 ng
RT: 21.495 min Scan# 3133
Delta R.T. -0.007 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

Tgt Ion:228 Resp: 66292
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 19.9 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.462 min Scan# 3

Delta R.T. -0.001 min

Lab File: BG064245.D

Acq: 2 Sep 2025 14:43

Instrument :

BNA_G

ClientSampleId :

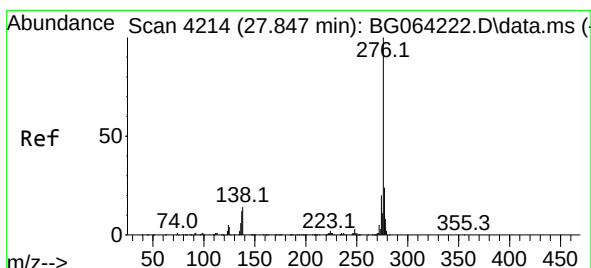
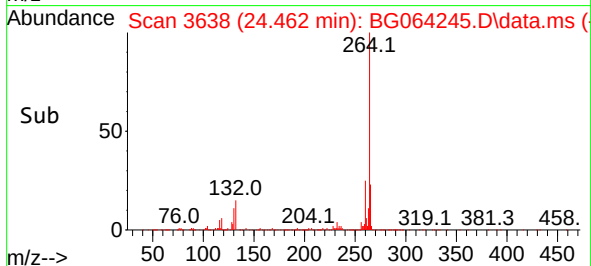
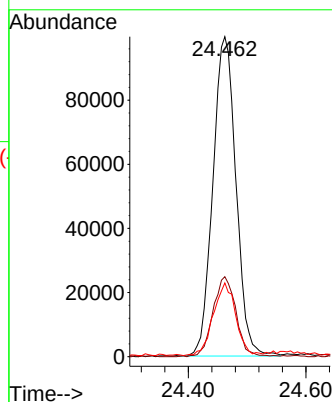
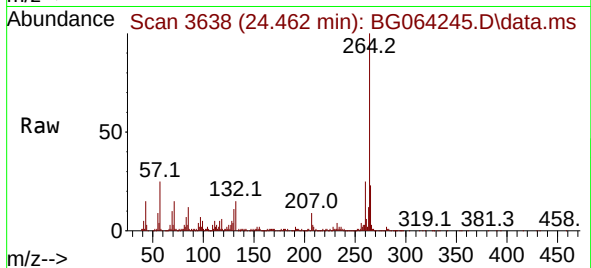
Tgt Ion:264 Resp: 271333

Ion Ratio Lower Upper

264 100

260 25.0 18.9 28.3

265 23.0 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.845 ng

RT: 27.829 min Scan# 4211

Delta R.T. -0.042 min

Lab File: BG064245.D

Acq: 2 Sep 2025 14:43

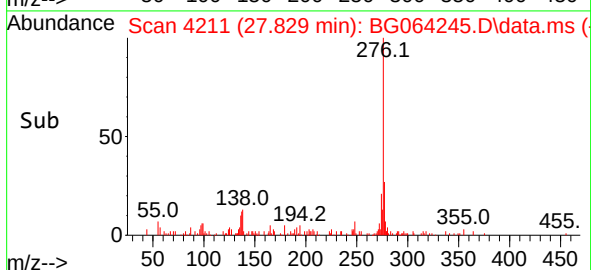
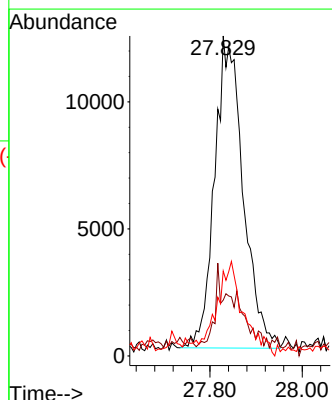
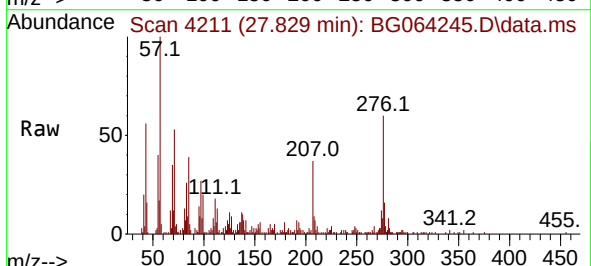
Tgt Ion:276 Resp: 52715

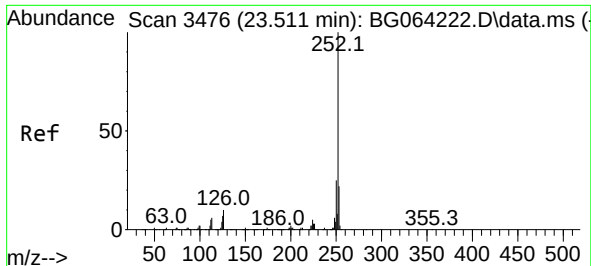
Ion Ratio Lower Upper

276 100

138 6.7 7.4 11.0#

277 0.0 20.5 30.7#

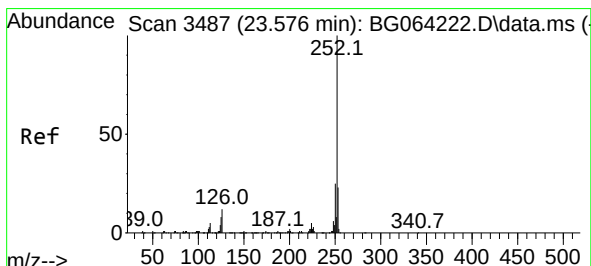
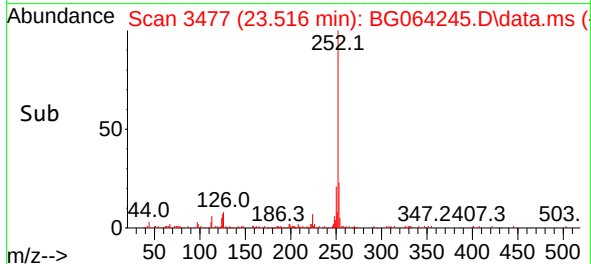
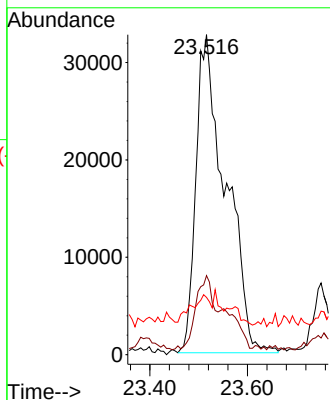
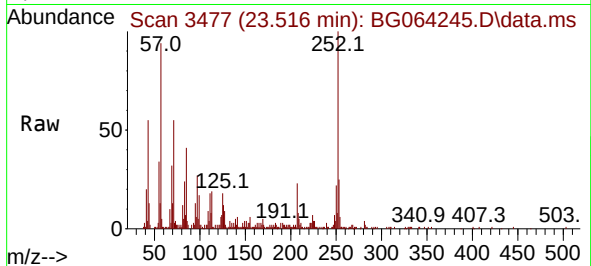




#88
Benzo(b)fluoranthene
Concen: 8.997 ng
RT: 23.516 min Scan# 3476
Delta R.T. -0.001 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

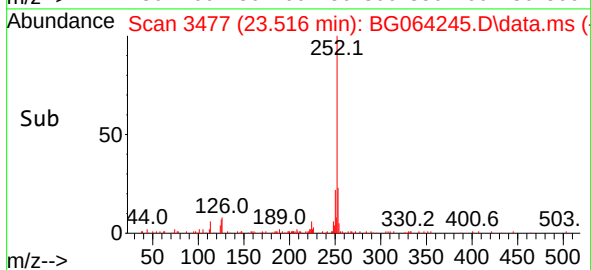
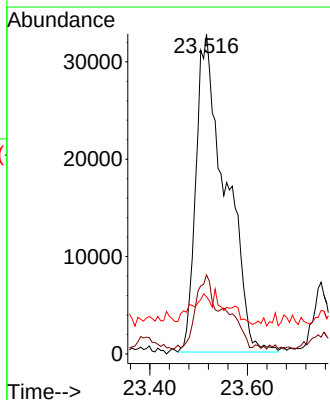
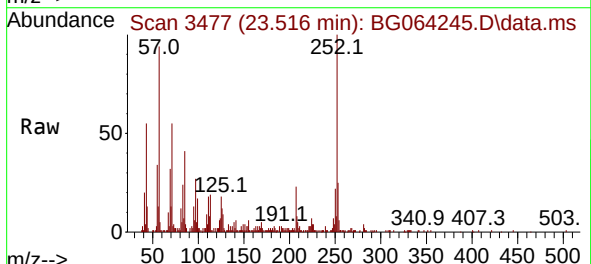
Instrument :
BNA_G
ClientSampleId :

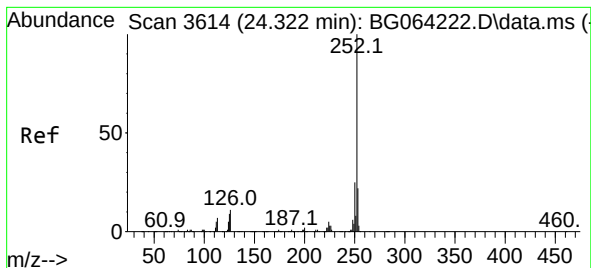
Tgt Ion:252 Resp: 137780
Ion Ratio Lower Upper
252 100
253 24.7 17.5 26.3
125 17.9 5.9 8.9#



#89
Benzo(k)fluoranthene
Concen: 8.831 ng
RT: 23.516 min Scan# 3477
Delta R.T. -0.072 min
Lab File: BG064245.D
Acq: 2 Sep 2025 14:43

Tgt Ion:252 Resp: 137780
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.4
125 17.9 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 5.208 ng

RT: 24.321 min Scan# 3

Delta R.T. -0.007 min

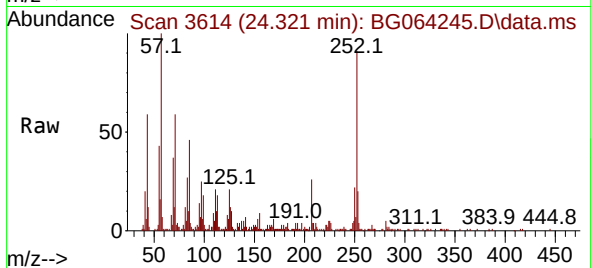
Lab File: BG064245.D

Acq: 2 Sep 2025 14:43

Instrument :

BNA_G

ClientSampleId :



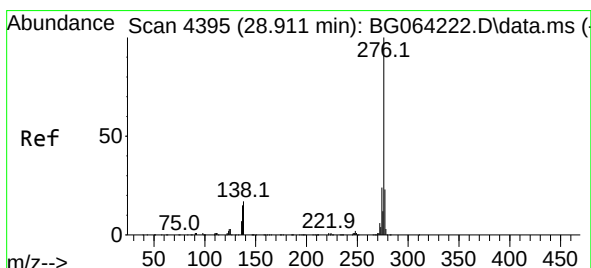
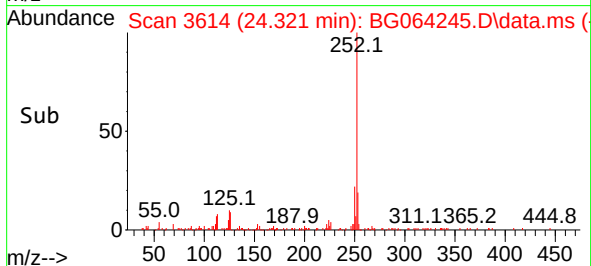
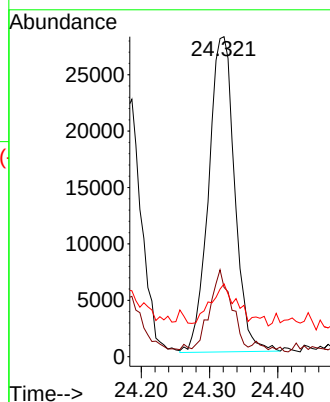
Tgt Ion:252 Resp: 74187

Ion Ratio Lower Upper

252 100

253 21.7 17.4 26.2

125 22.8 7.0 10.6#



#92

Benzo(g,h,i)perylene

Concen: 3.925 ng

RT: 28.898 min Scan# 4393

Delta R.T. -0.036 min

Lab File: BG064245.D

Acq: 2 Sep 2025 14:43

Tgt Ion:276 Resp: 56818

Ion Ratio Lower Upper

276 100

277 18.3 18.2 27.4

138 16.6 13.3 19.9

