

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090225\
 Data File : BG064246.D
 Acq On : 2 Sep 2025 15:25
 Operator : RC/JU
 Sample : Q2994-01 5X
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 16:10:09 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

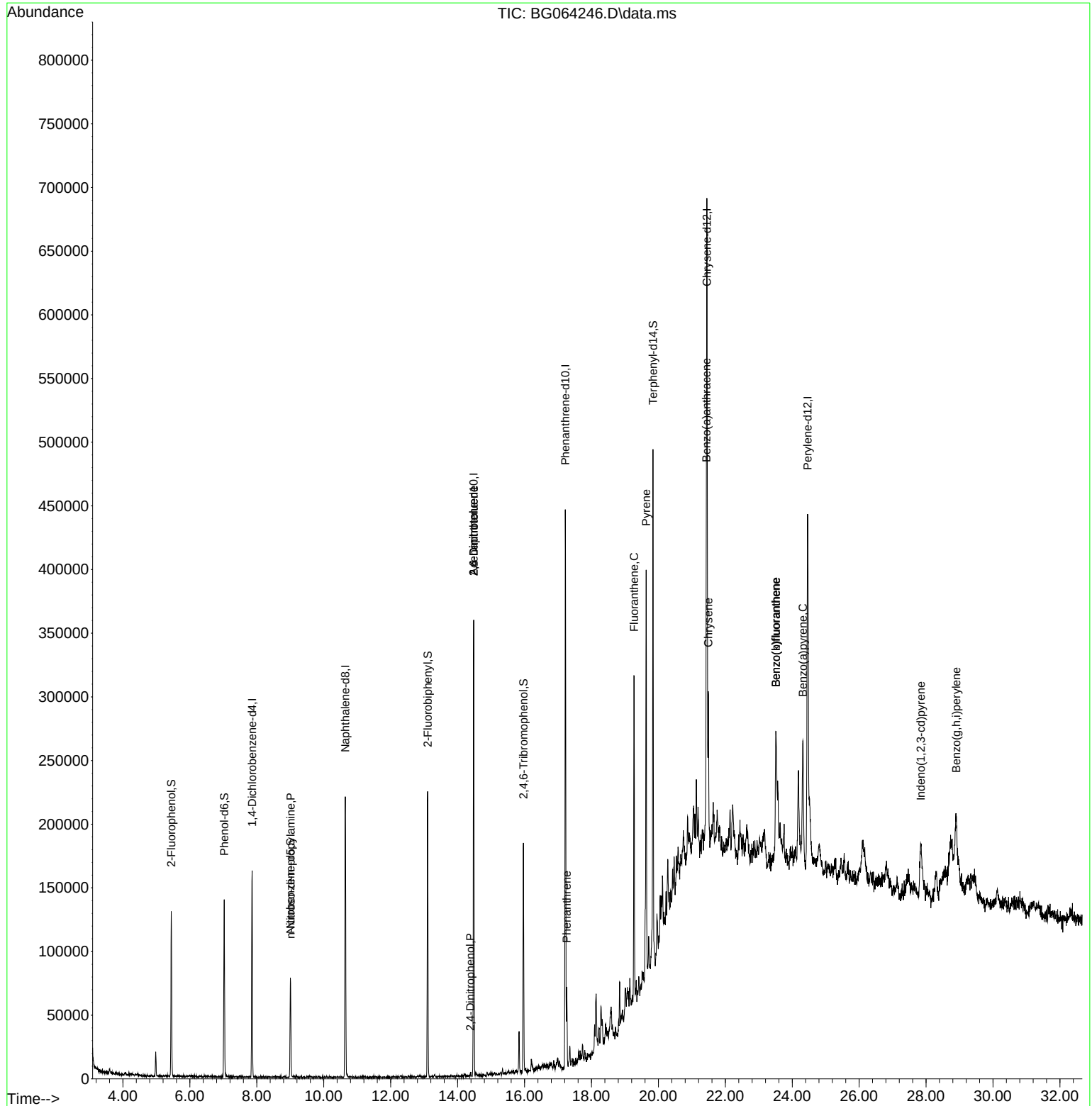
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.859	152	40905	20.000	ng	0.00
21) Naphthalene-d8	10.644	136	176725	20.000	ng	0.00
39) Acenaphthene-d10	14.481	164	119490	20.000	ng	0.00
64) Phenanthrene-d10	17.219	188	260040	20.000	ng	0.00
76) Chrysene-d12	21.449	240	246986	20.000	ng	0.00
86) Perylene-d12	24.458	264	279572	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	50400	22.105	ng	0.00
7) Phenol-d6	7.025	99	69195	22.091	ng	0.00
23) Nitrobenzene-d5	9.005	82	43341	13.677	ng	-0.01
42) 2,4,6-Tribromophenol	15.968	330	32714	20.670	ng	0.00
45) 2-Fluorobiphenyl	13.106	172	111548	14.249	ng	0.00
79) Terphenyl-d14	19.840	244	178457	15.075	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.011	70	6006	2.505	ng	# 81
51) 2,6-Dinitrotoluene	14.481	165	16224	9.266	ng	# 16
54) 2,4-Dinitrophenol	14.381	184	58	5.698	ng	# 12
57) 2,4-Dinitrotoluene	14.481	165	16224	6.128	ng	# 19
71) Phenanthrene	17.260	178	38966	2.841	ng	99
75) Fluoranthene	19.275	202	154788	9.598	ng	98
78) Pyrene	19.634	202	189193	12.159	ng	99
81) Benzo(a)anthracene	21.432	228	98332	6.223	ng	99
83) Chrysene	21.491	228	90798	5.986	ng	99
87) Indeno(1,2,3-cd)pyrene	27.842	276	65578	3.435	ng	99
88) Benzo(b)fluoranthene	23.512	252	122478	7.762	ng	# 96
89) Benzo(k)fluoranthene	23.512	252	122478	7.619	ng	# 98
90) Benzo(a)pyrene	24.317	252	100177	6.825	ng	# 93
92) Benzo(g,h,i)perylene	28.905	276	66518	4.459	ng	# 93

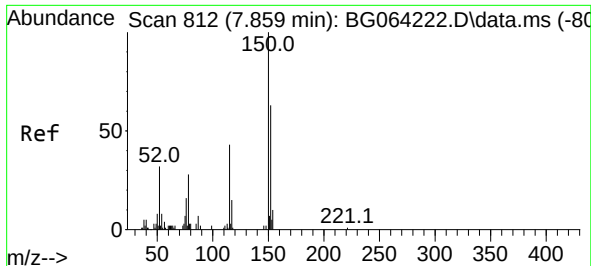
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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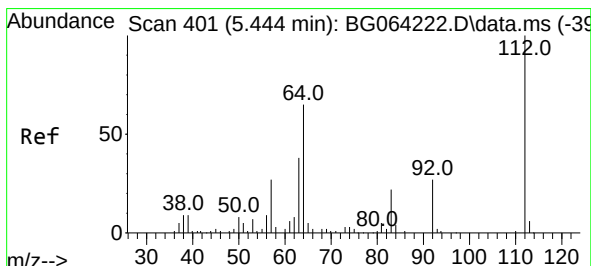
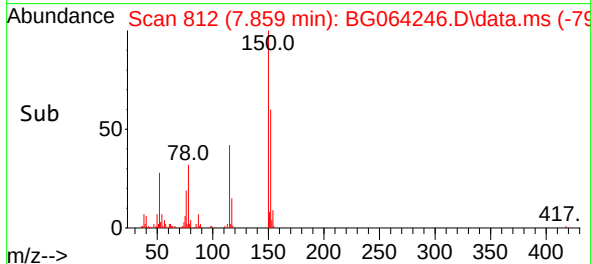
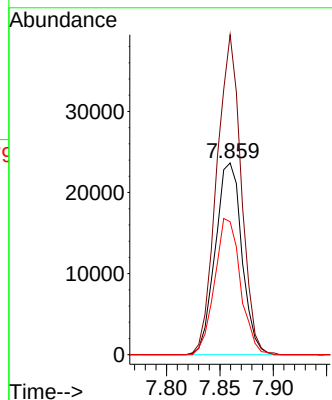
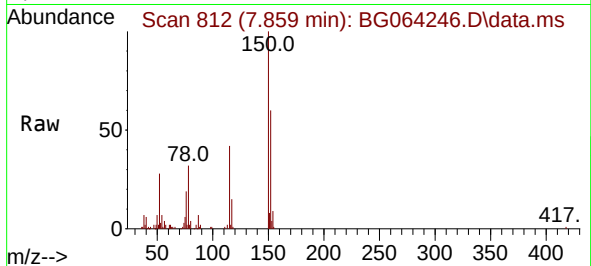




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.859 min Scan# 812
 Delta R.T. 0.000 min
 Lab File: BG064246.D
 Acq: 2 Sep 2025 15:25

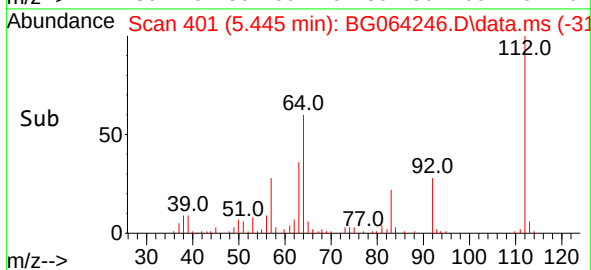
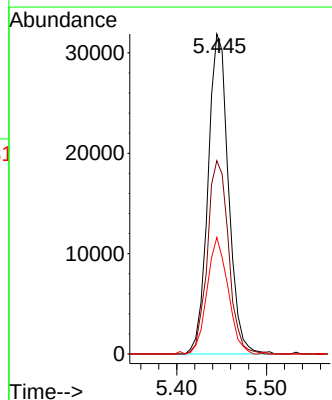
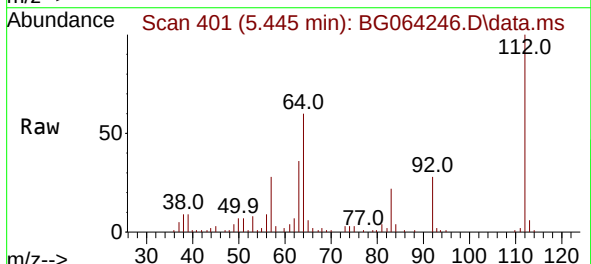
Instrument :
 BNA_G
 ClientSampleId :

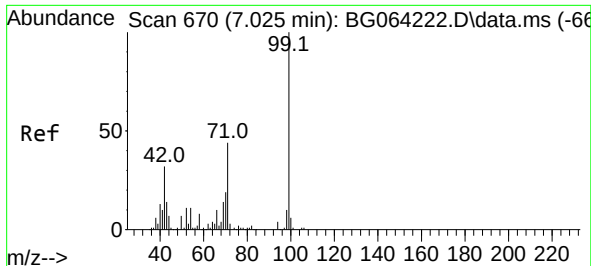
Tgt Ion:152 Resp: 40905
 Ion Ratio Lower Upper
 152 100
 150 166.9 128.0 192.0
 115 69.3 55.7 83.5



#5
 2-Fluorophenol
 Concen: 22.105 ng
 RT: 5.445 min Scan# 401
 Delta R.T. 0.000 min
 Lab File: BG064246.D
 Acq: 2 Sep 2025 15:25

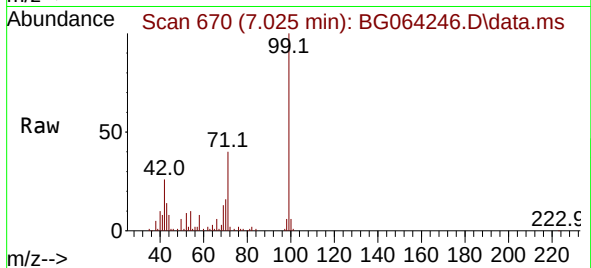
Tgt Ion:112 Resp: 50400
 Ion Ratio Lower Upper
 112 100
 64 60.4 51.8 77.6
 63 36.4 30.6 45.8



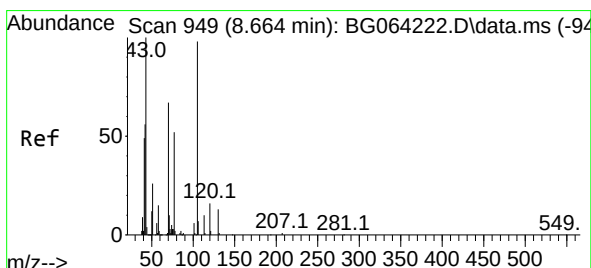
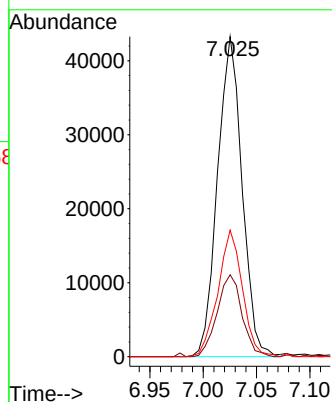
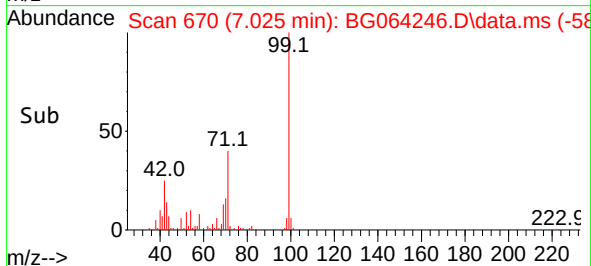


#7
Phenol-d6
Concen: 22.091 ng
RT: 7.025 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25

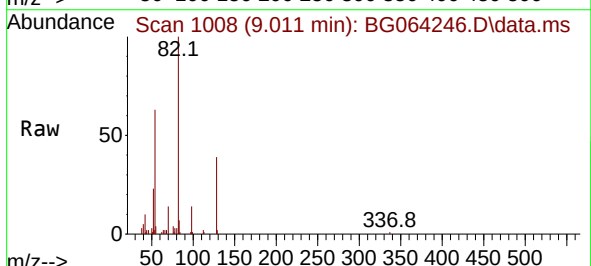
Instrument :
BNA_G
ClientSampleId :



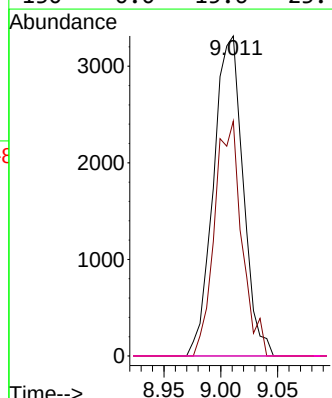
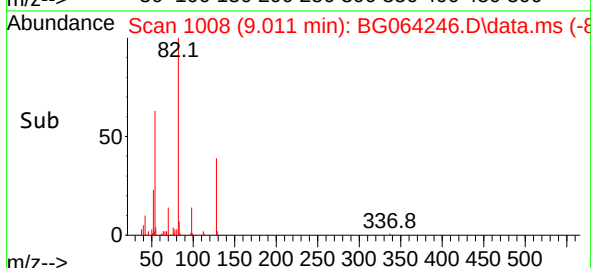
Tgt Ion: 99 Resp: 69195
Ion Ratio Lower Upper
99 100
42 25.6 25.8 38.8#
71 39.6 35.2 52.8

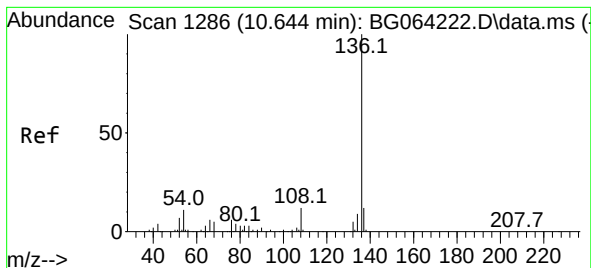


#19
n-Nitroso-di-n-propylamine
Concen: 2.505 ng
RT: 9.011 min Scan# 1008
Delta R.T. 0.347 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25



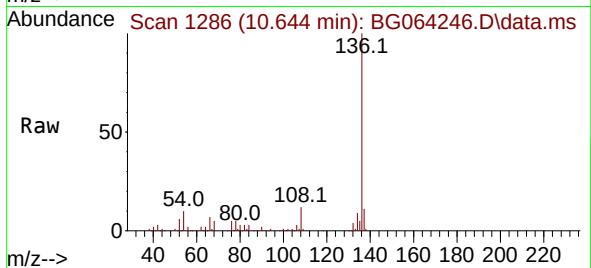
Tgt Ion: 70 Resp: 6006
Ion Ratio Lower Upper
70 100
42 73.4 67.9 101.9
101 0.0 7.3 10.9#
130 0.0 15.6 23.4#



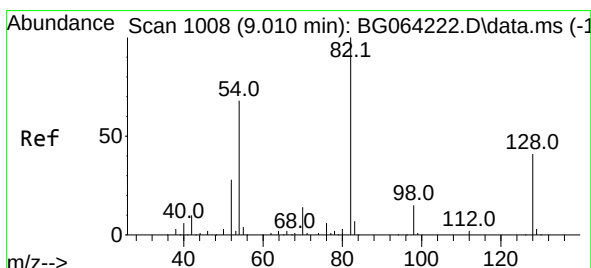
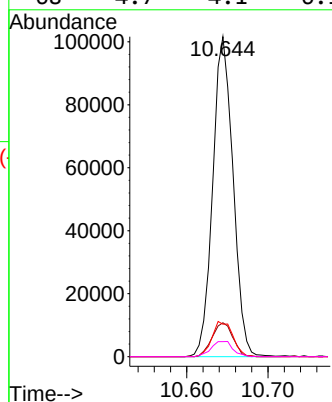
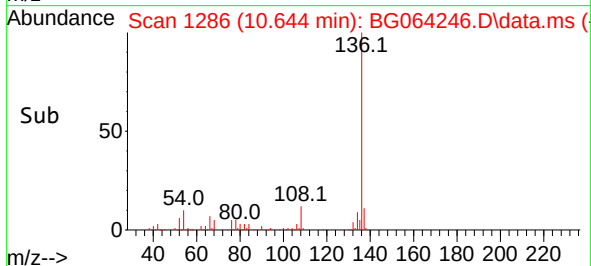


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.644 min Scan# 11
Delta R.T. -0.006 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25

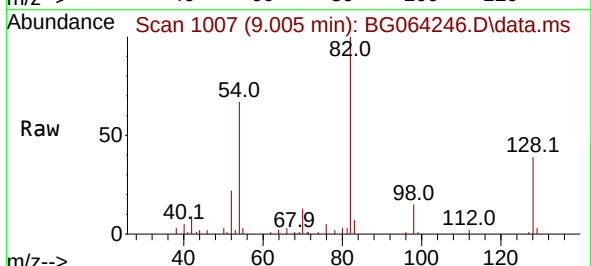
Instrument :
BNA_G
ClientSampleId :



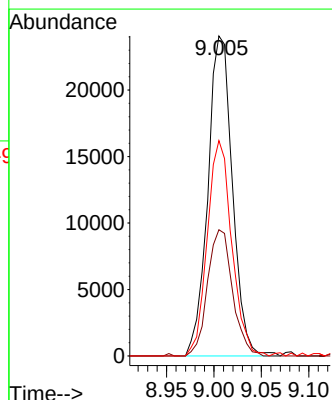
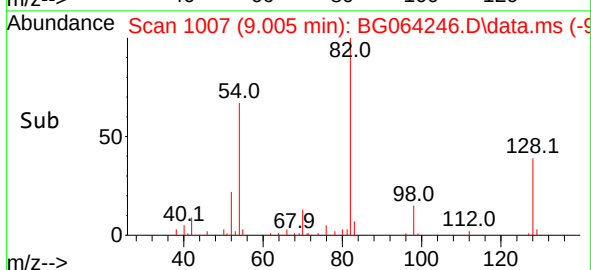
Tgt Ion:136 Resp: 176725
Ion Ratio Lower Upper
136 100
137 10.6 9.6 14.4
54 10.2 8.8 13.2
68 4.7 4.1 6.1

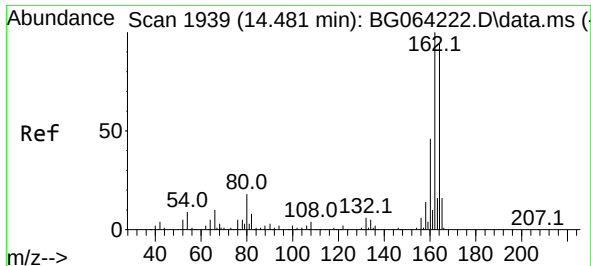


#23
Nitrobenzene-d5
Concen: 13.677 ng
RT: 9.005 min Scan# 1007
Delta R.T. -0.011 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25



Tgt Ion: 82 Resp: 43341
Ion Ratio Lower Upper
82 100
128 39.5 32.6 48.8
54 67.3 54.7 82.1

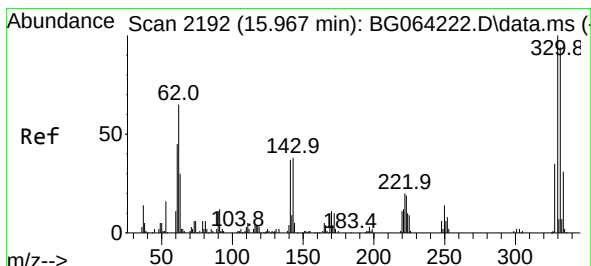
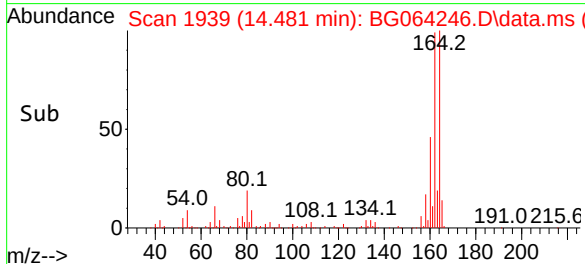
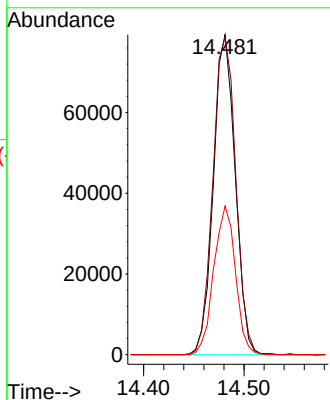
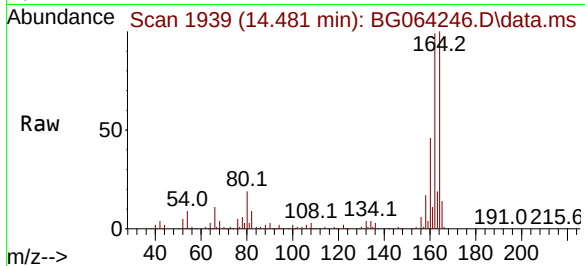




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.481 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25

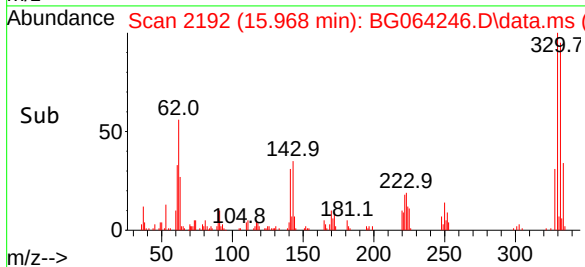
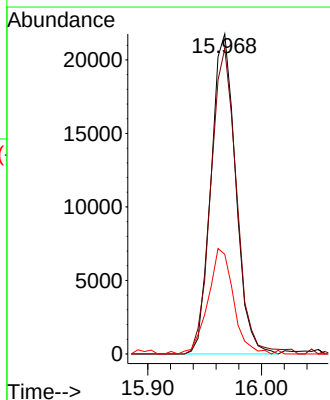
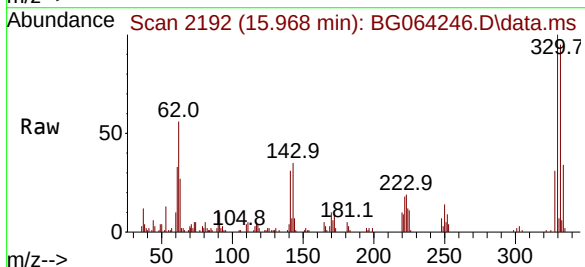
Instrument :
BNA_G
ClientSampleId :

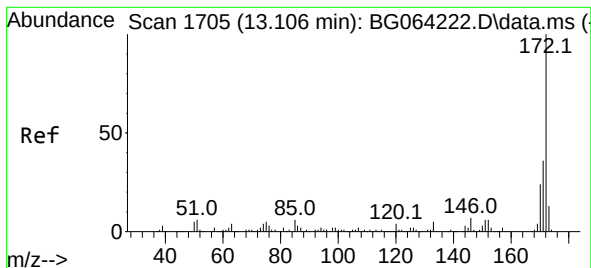
Tgt Ion:164 Resp: 119490
Ion Ratio Lower Upper
164 100
162 99.3 85.4 128.0
160 46.5 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 20.670 ng
RT: 15.968 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25

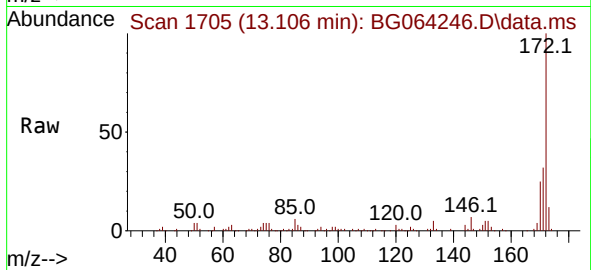
Tgt Ion:330 Resp: 32714
Ion Ratio Lower Upper
330 100
332 99.3 77.6 116.4
141 34.4 29.8 44.6



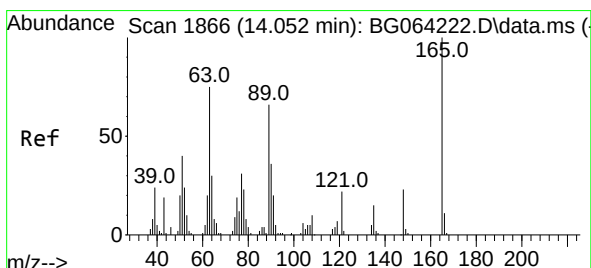
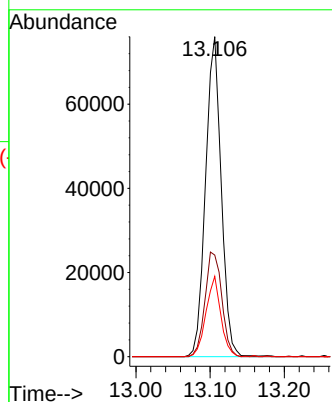
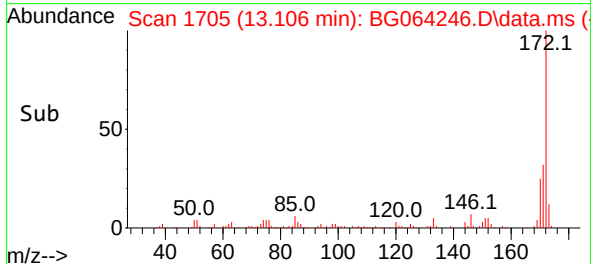


#45
2-Fluorobiphenyl
Concen: 14.249 ng
RT: 13.106 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25

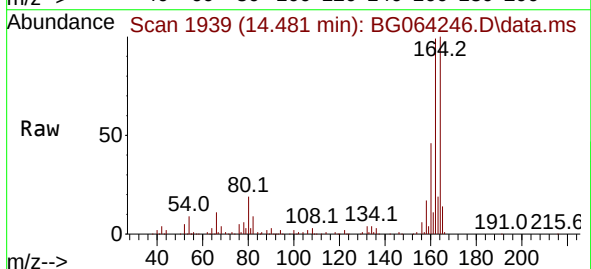
Instrument :
BNA_G
ClientSampleId :



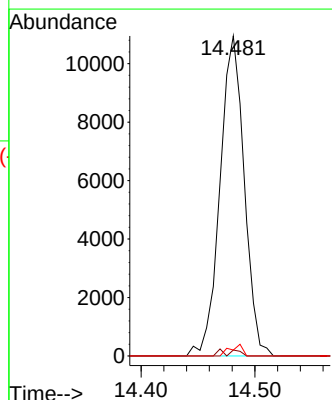
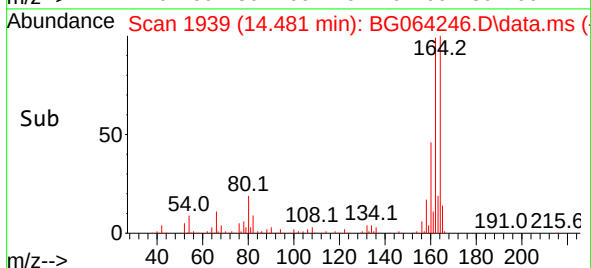
Tgt Ion:172 Resp: 111548
Ion Ratio Lower Upper
172 100
171 31.8 28.7 43.1
170 25.1 19.0 28.6

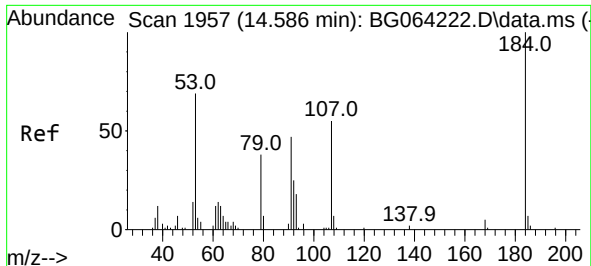


#51
2,6-Dinitrotoluene
Concen: 9.266 ng
RT: 14.481 min Scan# 1939
Delta R.T. 0.423 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25



Tgt Ion:165 Resp: 16224
Ion Ratio Lower Upper
165 100
63 1.9 60.3 90.5#
89 1.9 52.9 79.3#

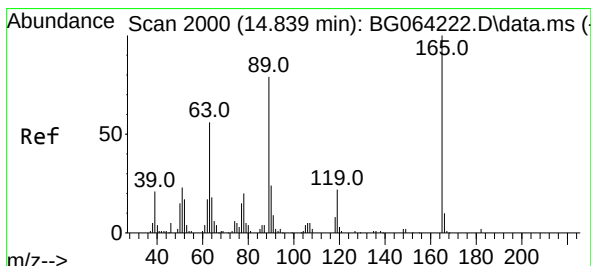
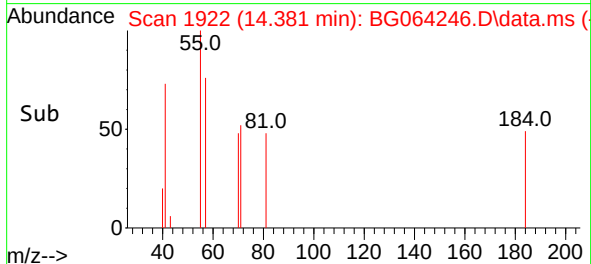
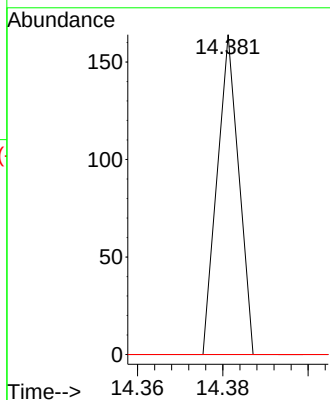
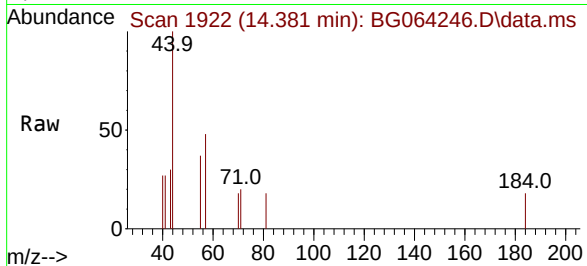




#54
2,4-Dinitrophenol
Concen: 5.698 ng
RT: 14.381 min Scan# 1939
Delta R.T. -0.211 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25

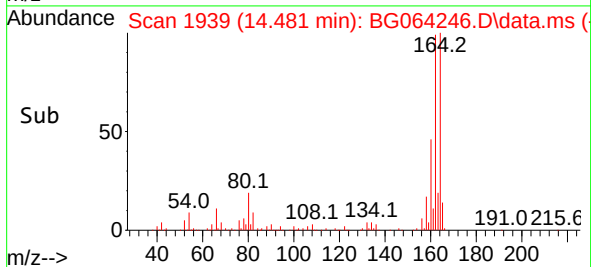
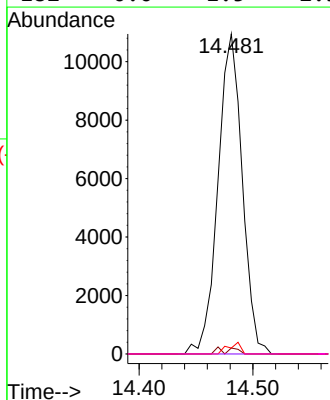
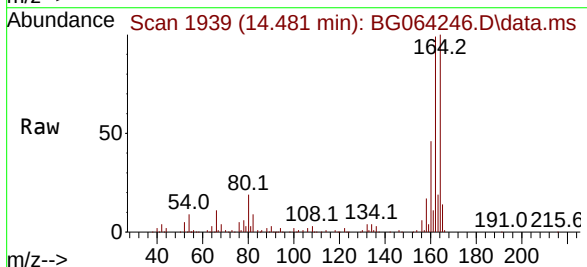
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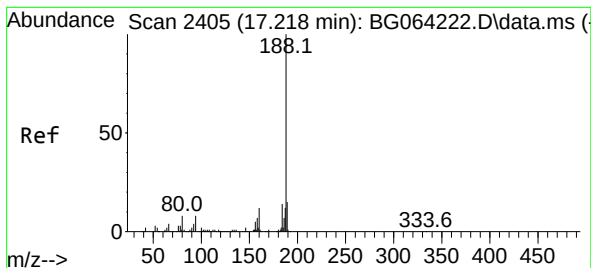
Tgt Ion:184 Resp: 58
Ion Ratio Lower Upper
184 100
63 0.0 60.1 90.1#
154 0.0 59.8 89.8#



#57
2,4-Dinitrotoluene
Concen: 6.128 ng
RT: 14.481 min Scan# 1939
Delta R.T. -0.364 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25

Tgt Ion:165 Resp: 16224
Ion Ratio Lower Upper
165 100
63 1.9 44.6 67.0#
89 1.9 63.0 94.4#
182 0.0 1.5 2.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.219 min Scan# 2405

Delta R.T. -0.006 min

Lab File: BG064246.D

Acq: 2 Sep 2025 15:25

Instrument :

BNA_G

ClientSampleId :

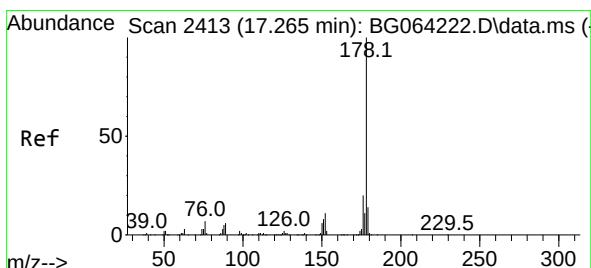
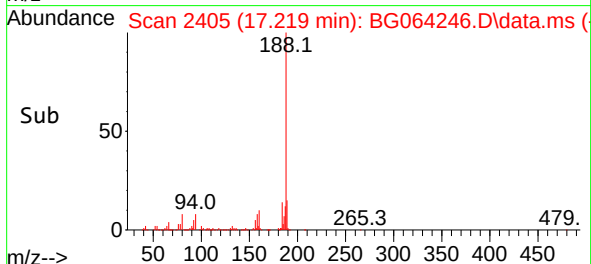
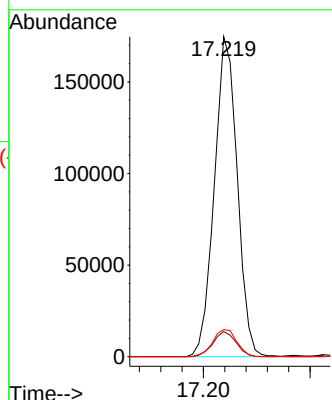
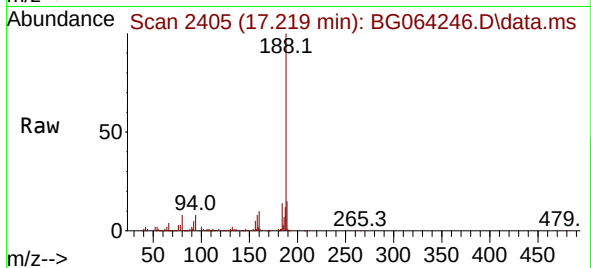
Tgt Ion:188 Resp: 260040

Ion Ratio Lower Upper

188 100

94 7.9 6.2 9.4

80 8.5 6.8 10.2



#71

Phenanthrene

Concen: 2.841 ng

RT: 17.260 min Scan# 2412

Delta R.T. -0.006 min

Lab File: BG064246.D

Acq: 2 Sep 2025 15:25

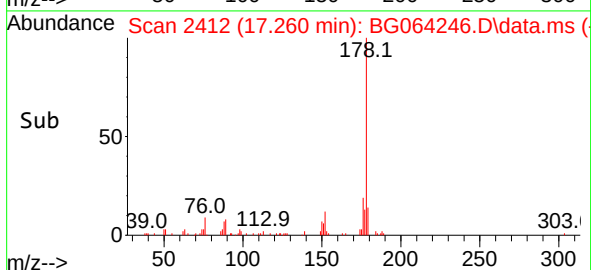
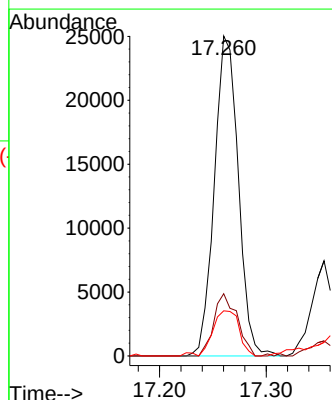
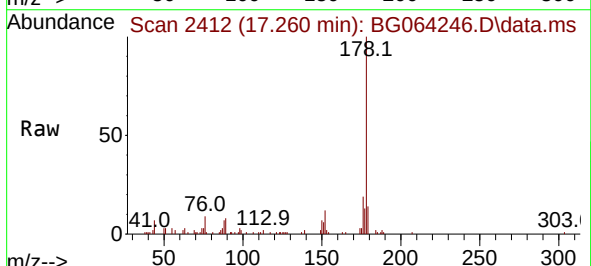
Tgt Ion:178 Resp: 38966

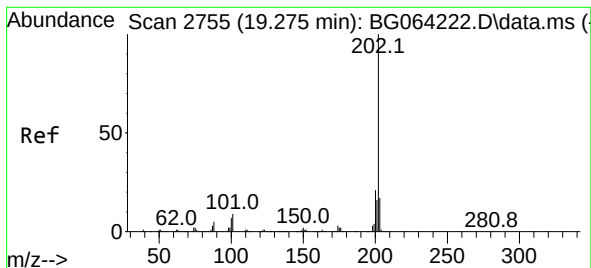
Ion Ratio Lower Upper

178 100

176 19.4 15.9 23.9

179 14.1 11.4 17.2





#75

Fluoranthene

Concen: 9.598 ng

RT: 19.275 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG064246.D

Acq: 2 Sep 2025 15:25

Instrument :

BNA_G

ClientSampleId :

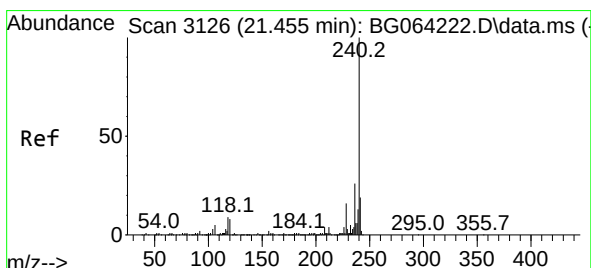
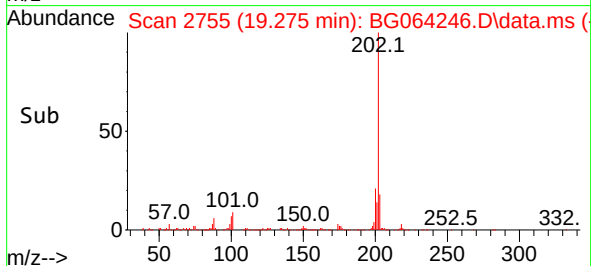
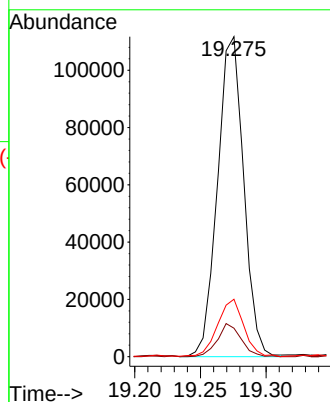
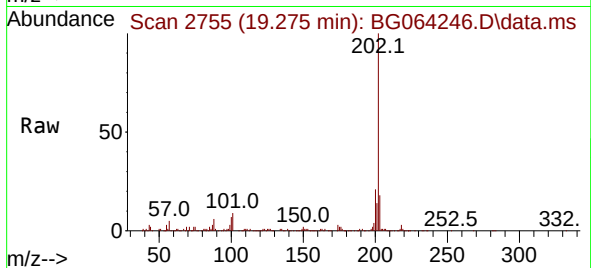
Tgt Ion:202 Resp: 154788

Ion Ratio Lower Upper

202 100

101 8.9 0.0 28.7

203 17.9 0.0 36.9



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.449 min Scan# 3125

Delta R.T. -0.006 min

Lab File: BG064246.D

Acq: 2 Sep 2025 15:25

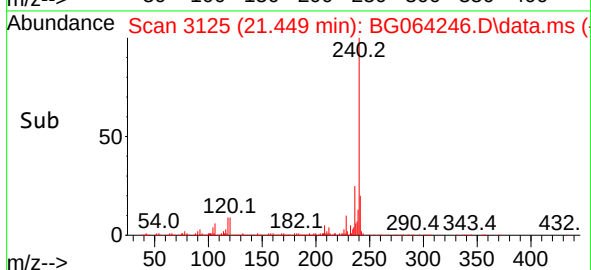
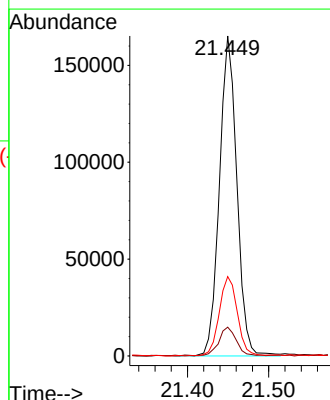
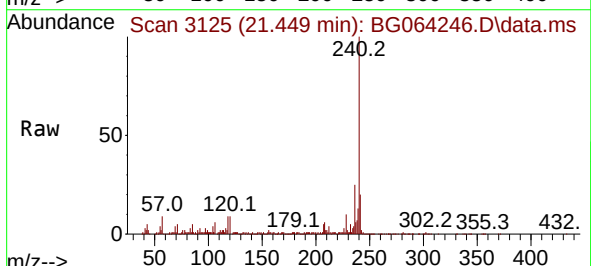
Tgt Ion:240 Resp: 246986

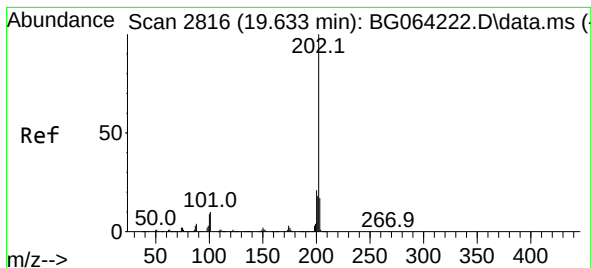
Ion Ratio Lower Upper

240 100

120 9.0 6.2 9.4

236 24.8 20.5 30.7





#78

Pyrene

Concen: 12.159 ng

RT: 19.634 min Scan# 2816

Delta R.T. -0.006 min

Lab File: BG064246.D

Acq: 2 Sep 2025 15:25

Instrument :

BNA_G

ClientSampleId :

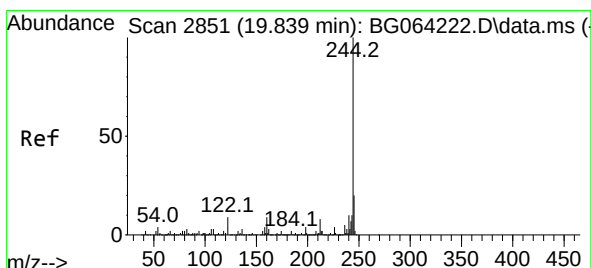
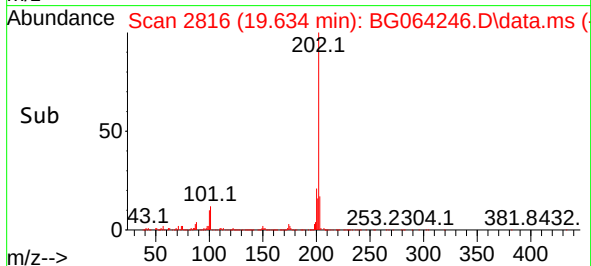
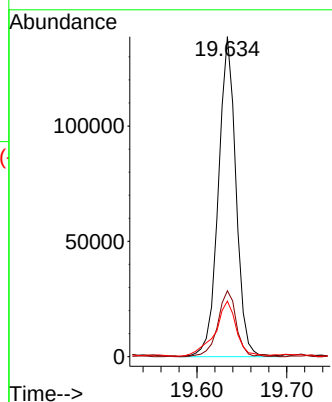
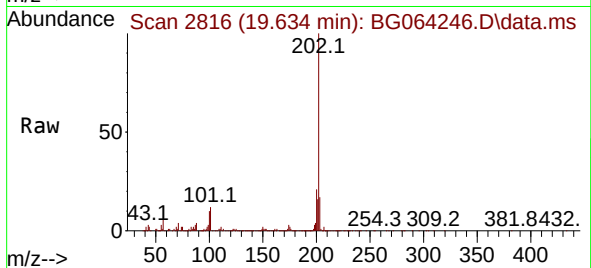
Tgt Ion:202 Resp: 189193

Ion Ratio Lower Upper

202 100

200 20.6 16.9 25.3

203 17.3 13.8 20.8



#79

Terphenyl-d14

Concen: 15.075 ng

RT: 19.840 min Scan# 2851

Delta R.T. -0.006 min

Lab File: BG064246.D

Acq: 2 Sep 2025 15:25

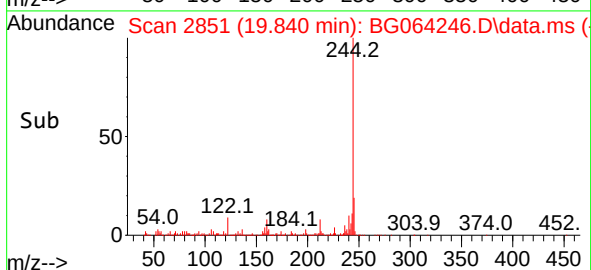
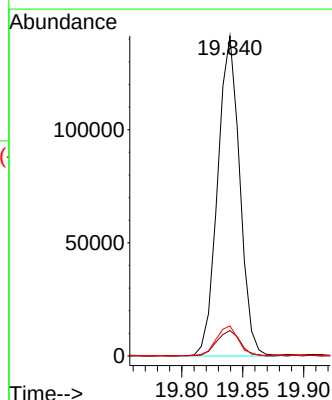
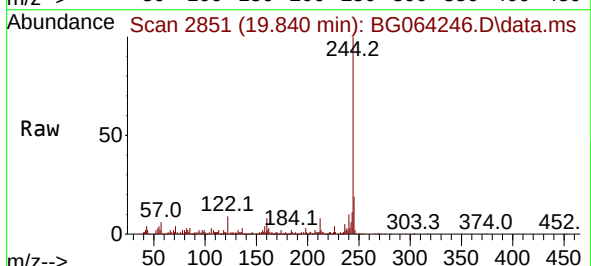
Tgt Ion:244 Resp: 178457

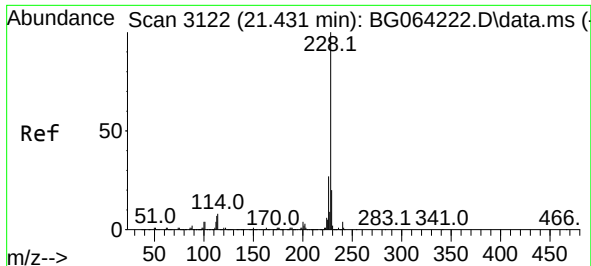
Ion Ratio Lower Upper

244 100

212 8.0 6.6 10.0

122 9.4 7.0 10.6

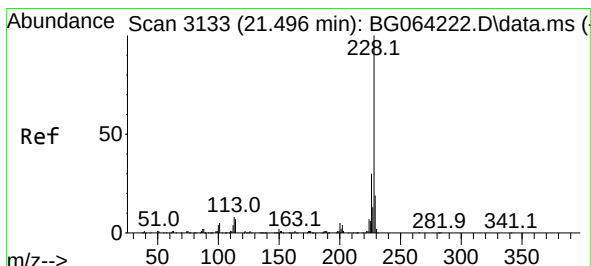
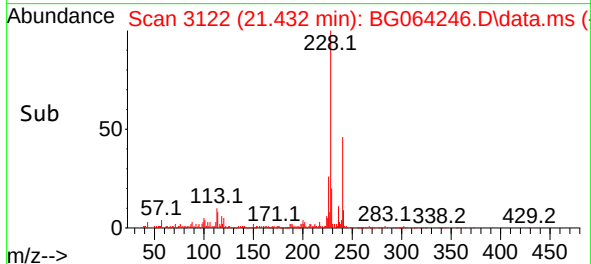
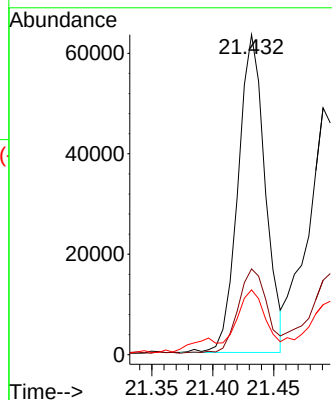
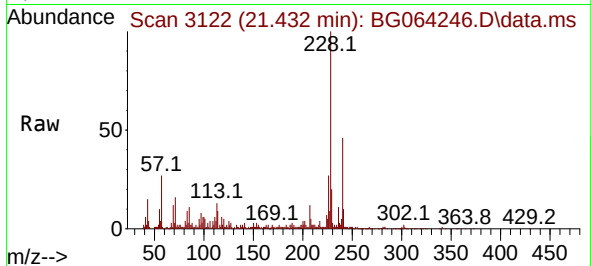




#81
Benzo(a)anthracene
Concen: 6.223 ng
RT: 21.432 min Scan# 3122
Delta R.T. -0.006 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25

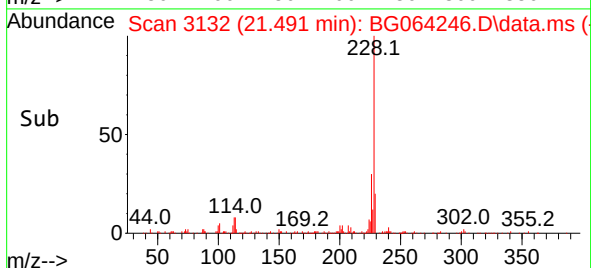
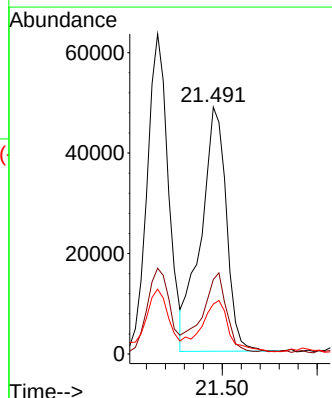
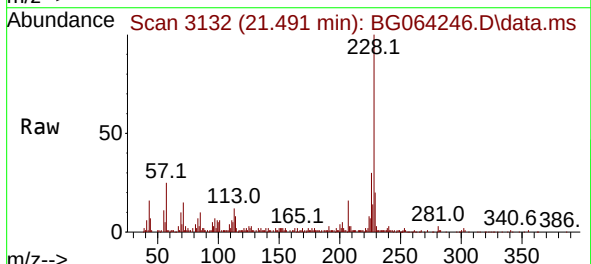
Instrument :
BNA_G
ClientSampleId :

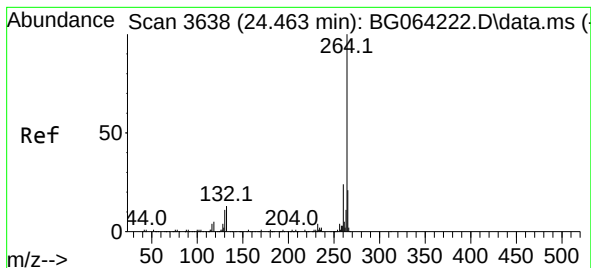
Tgt Ion:228 Resp: 98332
Ion Ratio Lower Upper
228 100
226 26.8 21.7 32.5
229 20.3 15.9 23.9



#83
Chrysene
Concen: 5.986 ng
RT: 21.491 min Scan# 3132
Delta R.T. -0.011 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25

Tgt Ion:228 Resp: 90798
Ion Ratio Lower Upper
228 100
226 30.2 24.2 36.2
229 20.2 15.4 23.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.458 min Scan# 30

Delta R.T. -0.006 min

Lab File: BG064246.D

Acq: 2 Sep 2025 15:25

Instrument :

BNA_G

ClientSampleId :

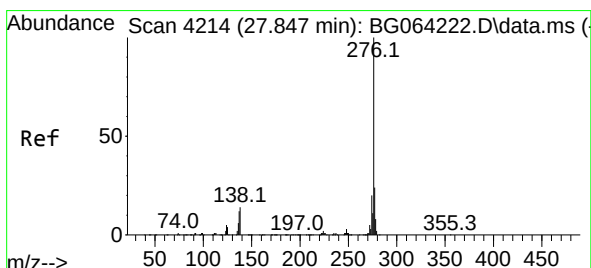
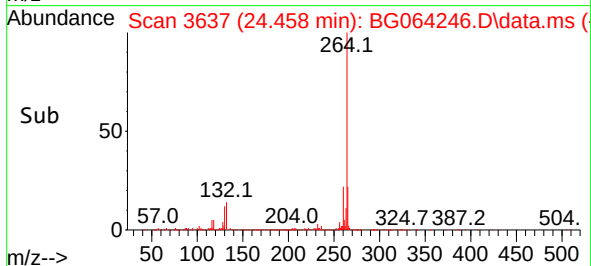
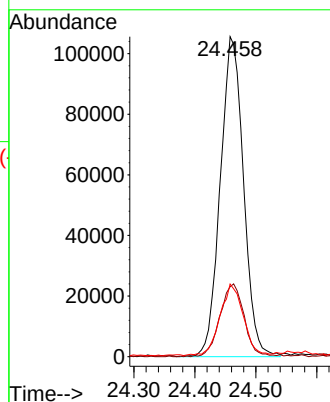
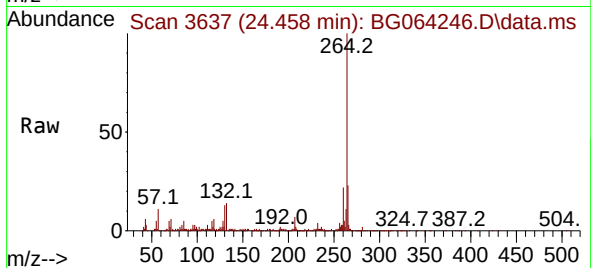
Tgt Ion:264 Resp: 279572

Ion Ratio Lower Upper

264 100

260 21.9 18.9 28.3

265 22.7 16.7 25.1



#87

Indeno(1,2,3-cd)pyrene

Concen: 3.435 ng

RT: 27.842 min Scan# 4213

Delta R.T. -0.029 min

Lab File: BG064246.D

Acq: 2 Sep 2025 15:25

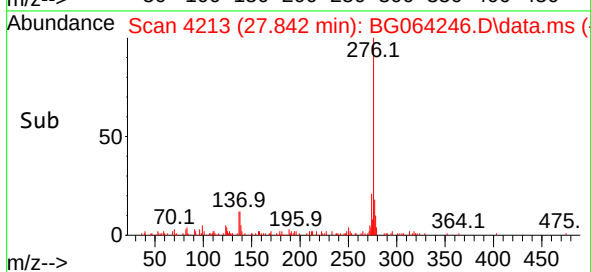
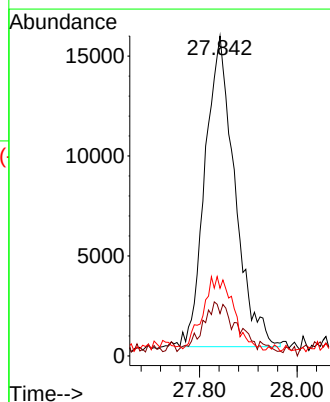
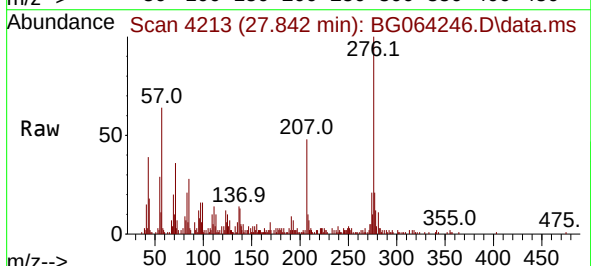
Tgt Ion:276 Resp: 65578

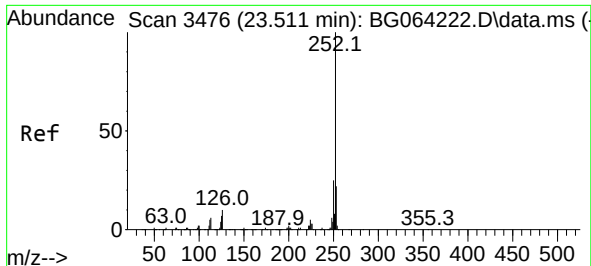
Ion Ratio Lower Upper

276 100

138 9.4 7.4 11.0

277 24.9 20.5 30.7

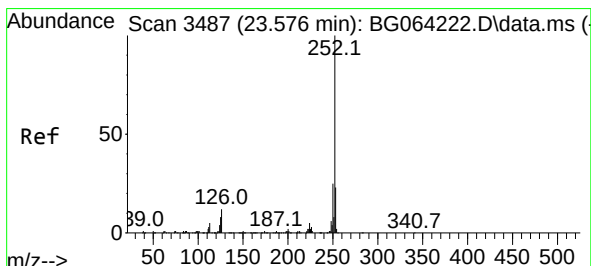
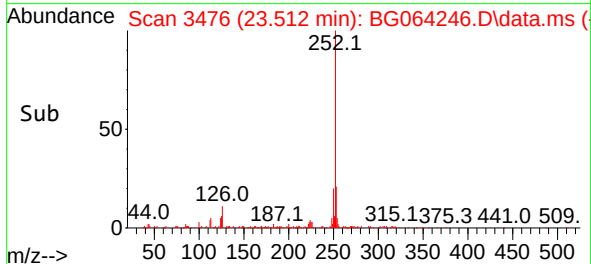
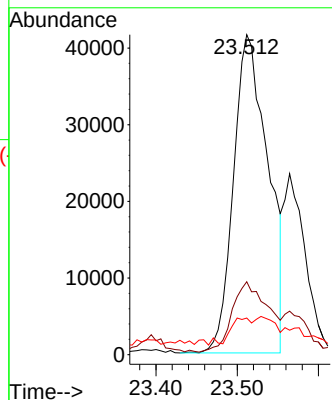
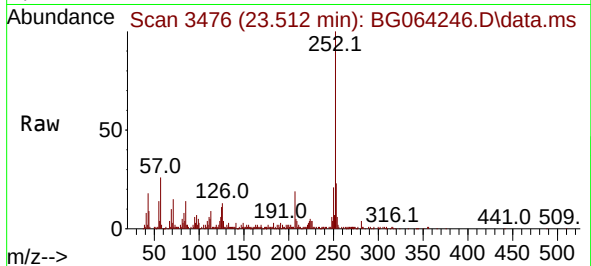




#88
Benzo(b)fluoranthene
Concen: 7.762 ng
RT: 23.512 min Scan# 3476
Delta R.T. -0.006 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25

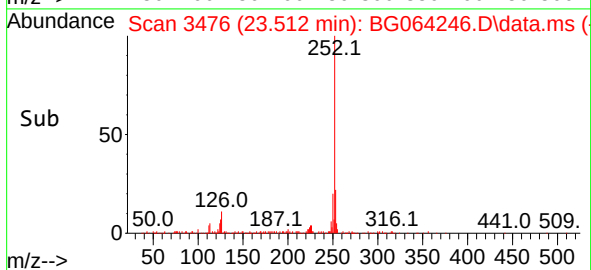
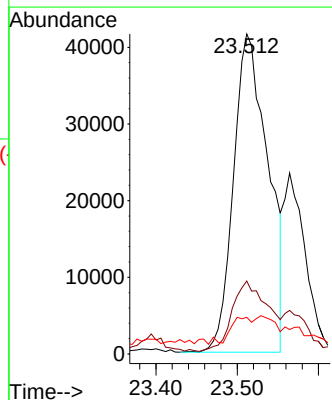
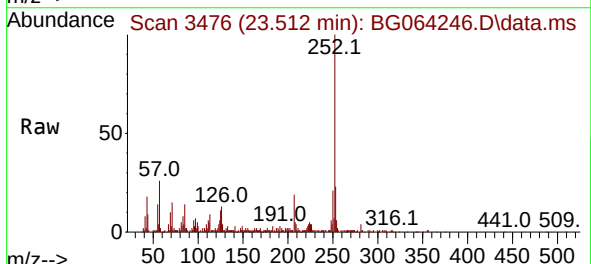
Instrument :
BNA_G
ClientSampleId :

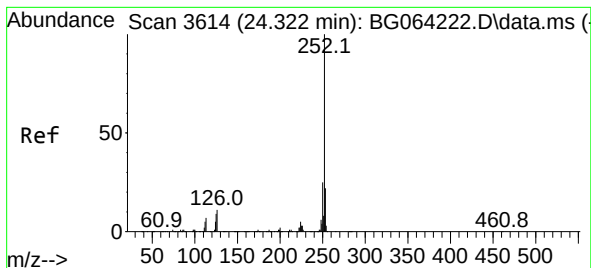
Tgt Ion:252 Resp: 122478
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.4 5.9 8.9#



#89
Benzo(k)fluoranthene
Concen: 7.619 ng
RT: 23.512 min Scan# 3476
Delta R.T. -0.076 min
Lab File: BG064246.D
Acq: 2 Sep 2025 15:25

Tgt Ion:252 Resp: 122478
Ion Ratio Lower Upper
252 100
253 22.8 18.2 27.4
125 11.4 7.0 10.4#





#90

Benzo(a)pyrene

Concen: 6.825 ng

RT: 24.317 min Scan# 3613

Delta R.T. -0.011 min

Lab File: BG064246.D

Acq: 2 Sep 2025 15:25

Instrument :

BNA_G

ClientSampleId :

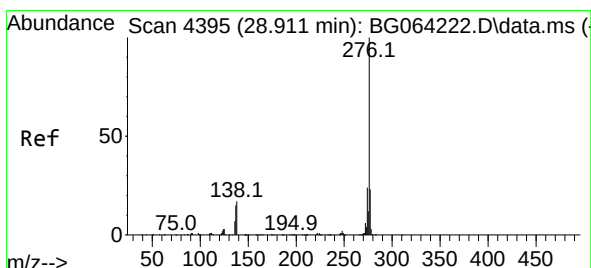
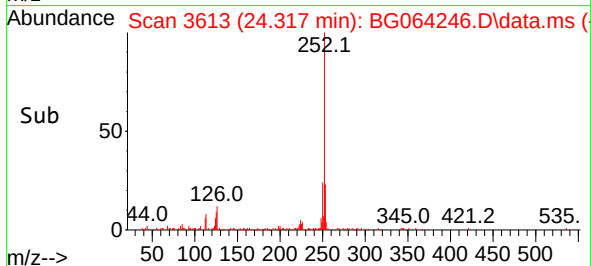
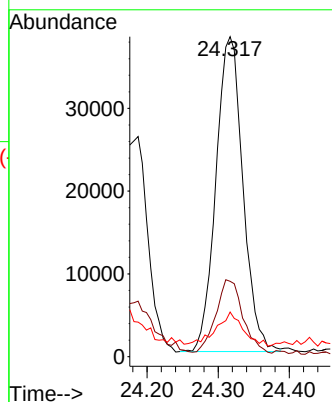
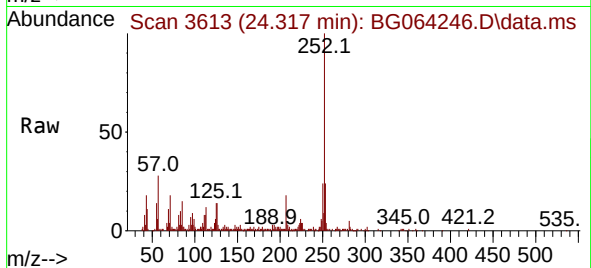
Tgt Ion:252 Resp: 100177

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 13.9 7.0 10.6#



#92

Benzo(g,h,i)perylene

Concen: 4.459 ng

RT: 28.905 min Scan# 4394

Delta R.T. -0.029 min

Lab File: BG064246.D

Acq: 2 Sep 2025 15:25

Tgt Ion:276 Resp: 66518

Ion Ratio Lower Upper

276 100

277 24.4 18.2 27.4

138 22.1 13.3 19.9#

