

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090225\
 Data File : BG064242.D
 Acq On : 2 Sep 2025 12:41
 Operator : RC/JU
 Sample : Q2982-01 10X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 02 13:20:30 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)

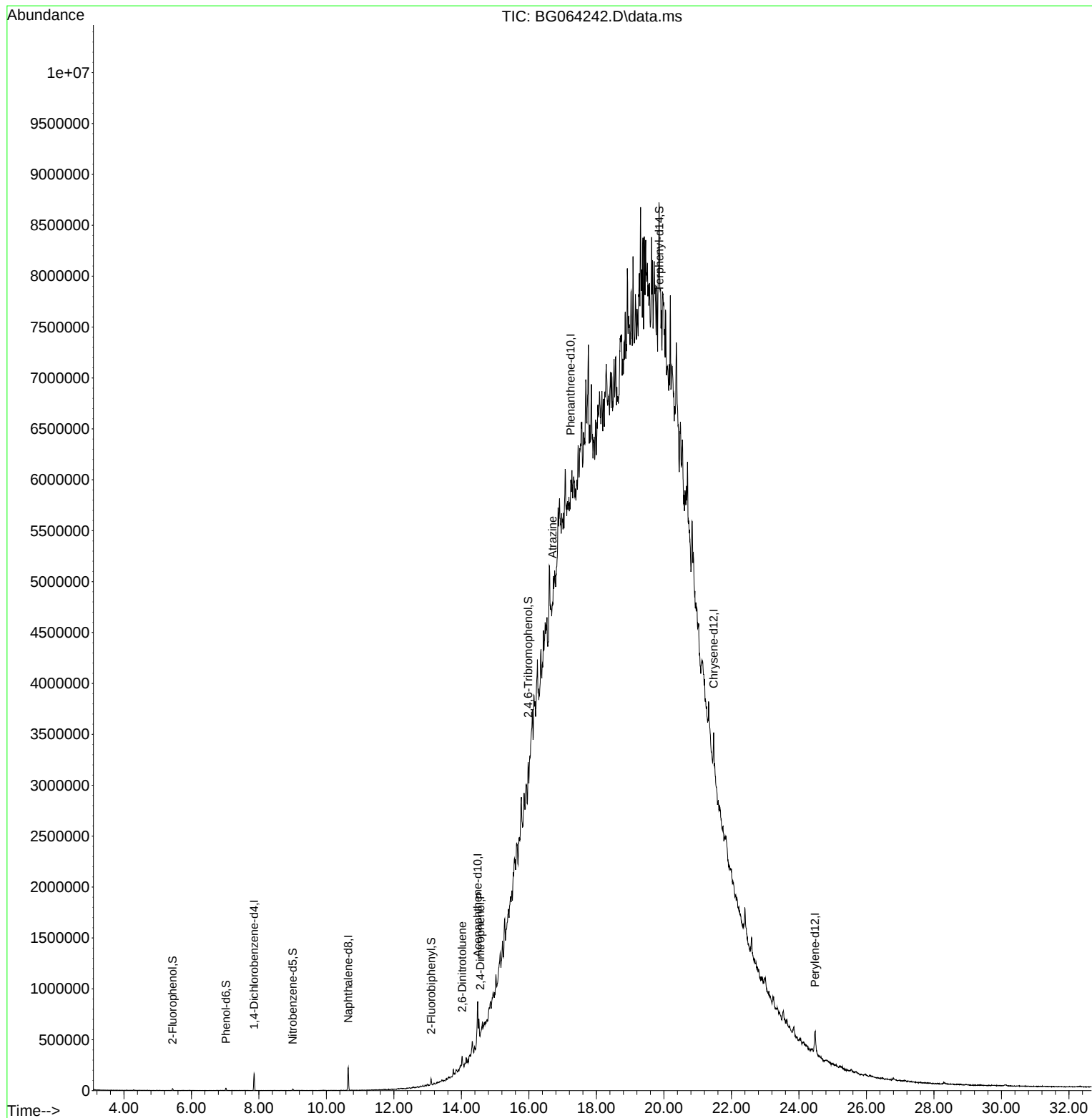
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.855	152	42152	20.000	ng	0.00
21) Naphthalene-d8	10.646	136	176305	20.000	ng	0.00
39) Acenaphthene-d10	14.483	164	115126	20.000	ng	0.00
64) Phenanthrene-d10	17.238	188	202809	20.000	ng	# 0.01
76) Chrysene-d12	21.474	240	202726	20.000	ng	# 0.02
86) Perylene-d12	24.471	264	212014	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	7902	3.363	ng	0.00
7) Phenol-d6	7.021	99	12150	3.764	ng	0.00
23) Nitrobenzene-d5	9.001	82	9285	2.937	ng	-0.02
42) 2,4,6-Tribromophenol	15.975	330	6635	4.351	ng	0.00
45) 2-Fluorobiphenyl	13.102	172	26743	3.546	ng	0.00
79) Terphenyl-d14	19.865	244	36542	3.761	ng	0.02
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.024	165	13063	7.743	ng	# 19
54) 2,4-Dinitrophenol	14.559	184	220	5.837	ng	# 1
69) Atrazine	16.704	200	10968	4.708	ng	# 1

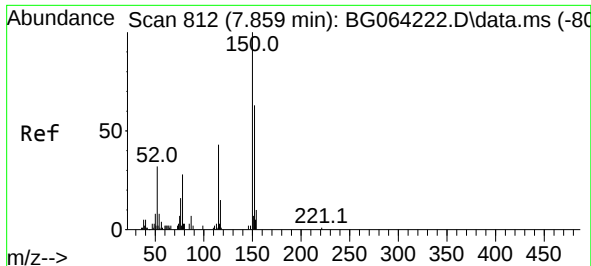
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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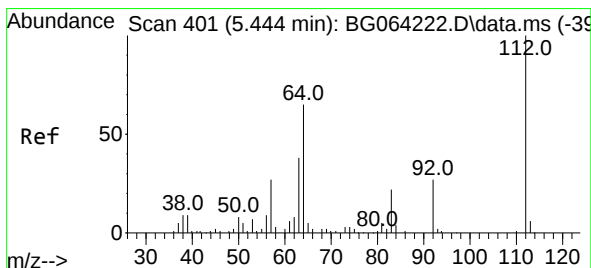
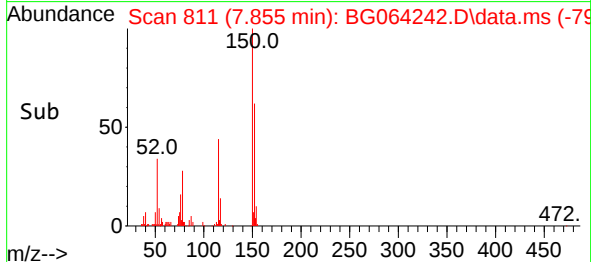
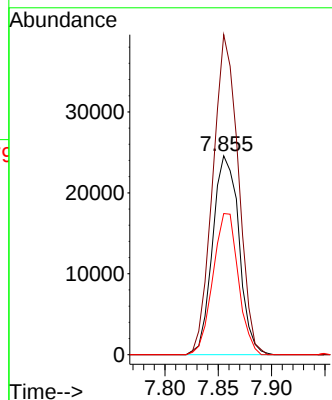
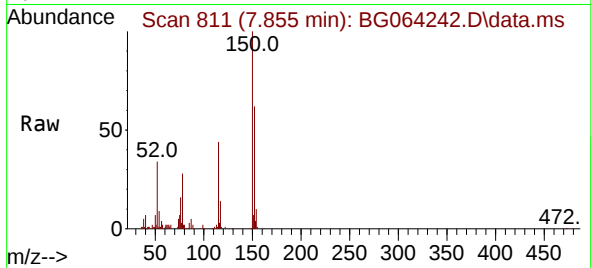




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.855 min Scan# 812
Delta R.T. -0.004 min
Lab File: BG064242.D
Acq: 2 Sep 2025 12:41

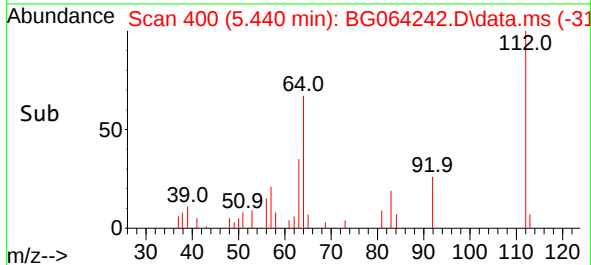
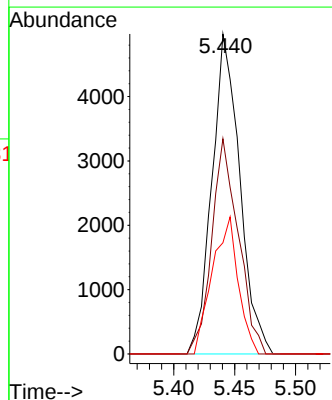
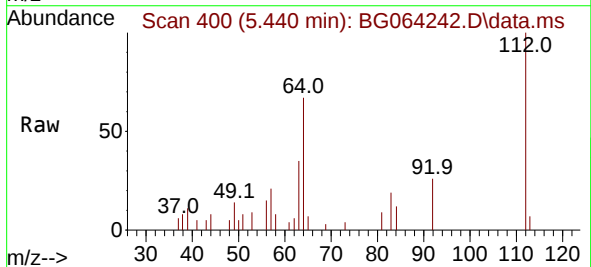
Instrument :
BNA_G
ClientSampleId :

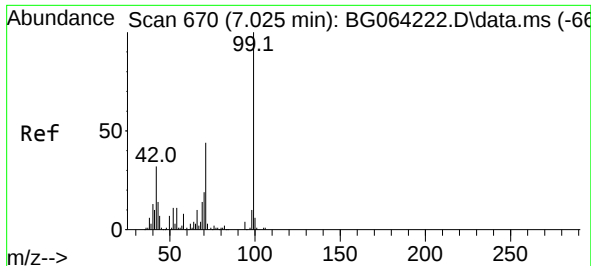
Tgt Ion:152 Resp: 42152
Ion Ratio Lower Upper
152 100
150 160.9 128.0 192.0
115 70.9 55.7 83.5



#5
2-Fluorophenol
Concen: 3.363 ng
RT: 5.440 min Scan# 400
Delta R.T. -0.004 min
Lab File: BG064242.D
Acq: 2 Sep 2025 12:41

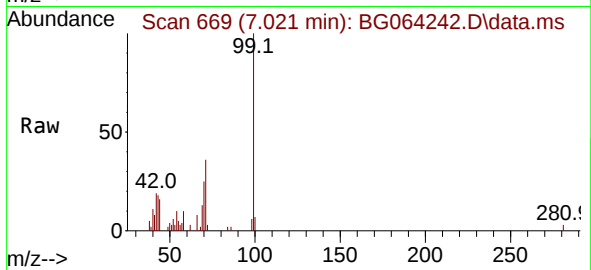
Tgt Ion:112 Resp: 7902
Ion Ratio Lower Upper
112 100
64 67.2 51.8 77.6
63 34.8 30.6 45.8



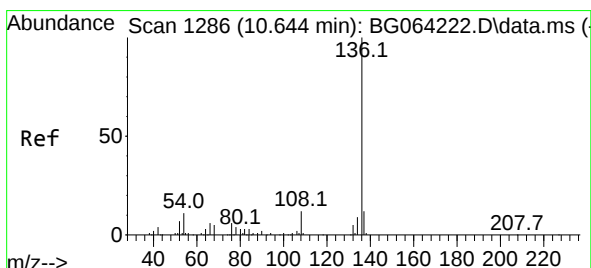
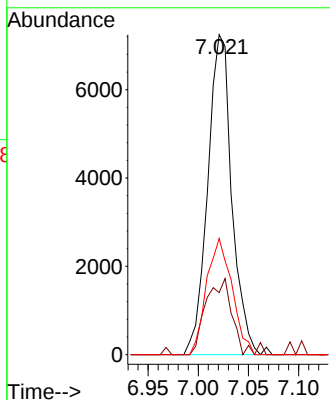
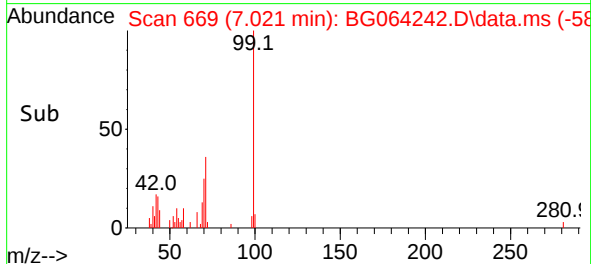


#7
Phenol-d6
Concen: 3.764 ng
RT: 7.021 min Scan# 609
Delta R.T. -0.010 min
Lab File: BG064242.D
Acq: 2 Sep 2025 12:41

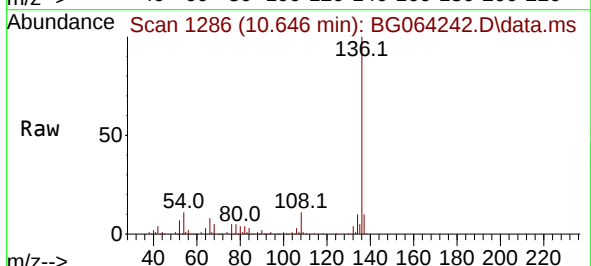
Instrument :
BNA_G
ClientSampleId :



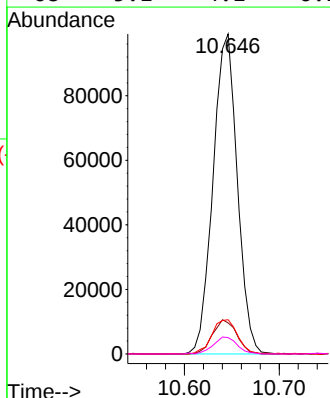
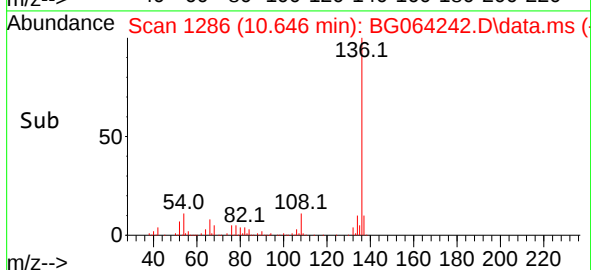
Tgt Ion: 99 Resp: 12150
Ion Ratio Lower Upper
99 100
42 19.4 25.8 38.8#
71 36.3 35.2 52.8

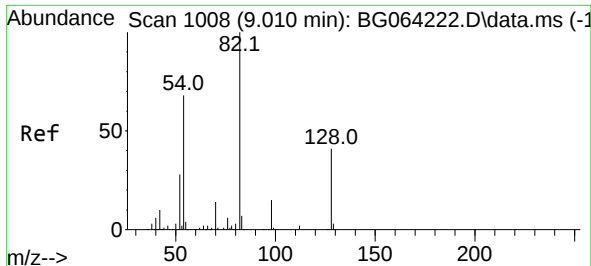


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.646 min Scan# 1286
Delta R.T. -0.004 min
Lab File: BG064242.D
Acq: 2 Sep 2025 12:41



Tgt Ion:136 Resp: 176305
Ion Ratio Lower Upper
136 100
137 9.7 9.6 14.4
54 10.7 8.8 13.2
68 5.1 4.1 6.1





#23

Nitrobenzene-d5

Concen: 2.937 ng

RT: 9.001 min Scan# 1006

Delta R.T. -0.016 min

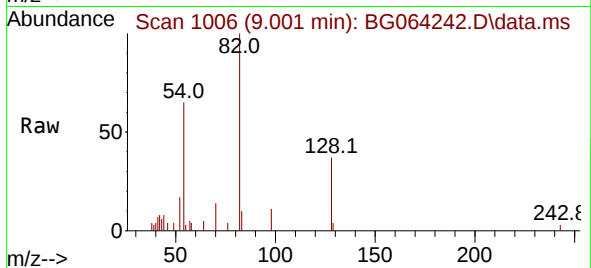
Lab File: BG064242.D

Acq: 2 Sep 2025 12:41

Instrument :

BNA_G

ClientSampleId :



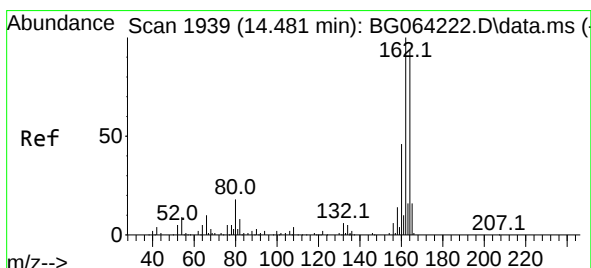
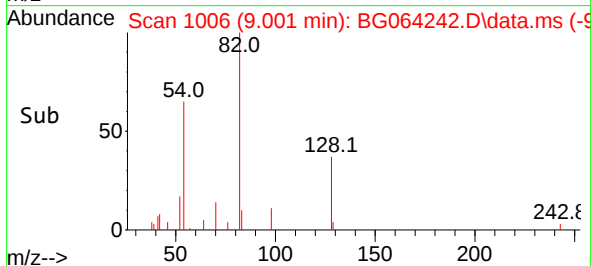
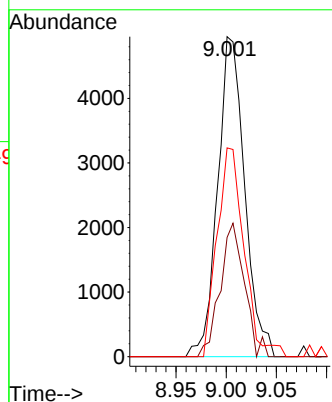
Tgt Ion: 82 Resp: 9285

Ion Ratio Lower Upper

82 100

128 37.2 32.6 48.8

54 65.3 54.7 82.1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.483 min Scan# 1939

Delta R.T. 0.002 min

Lab File: BG064242.D

Acq: 2 Sep 2025 12:41

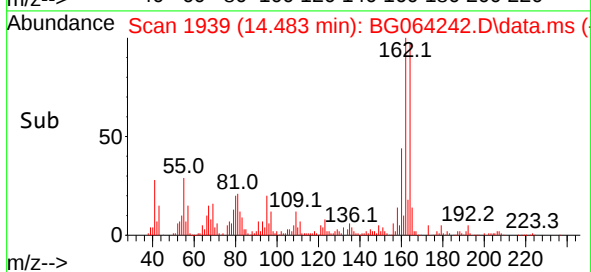
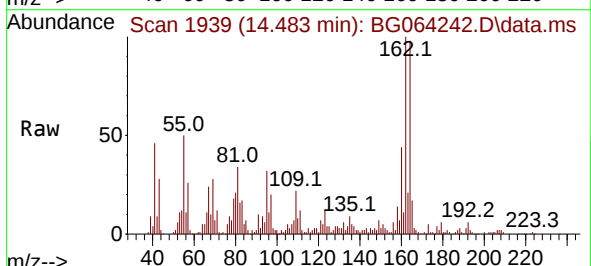
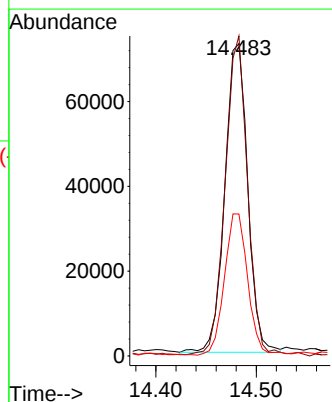
Tgt Ion:164 Resp: 115126

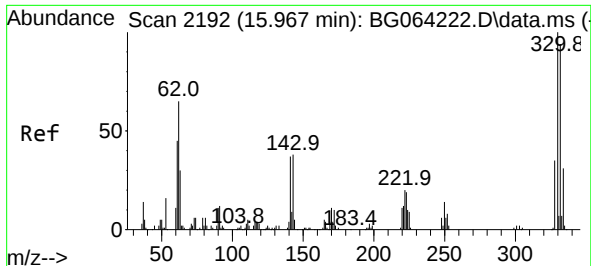
Ion Ratio Lower Upper

164 100

162 102.5 85.4 128.0

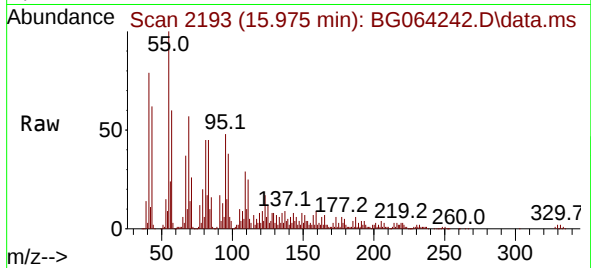
160 45.5 39.2 58.8



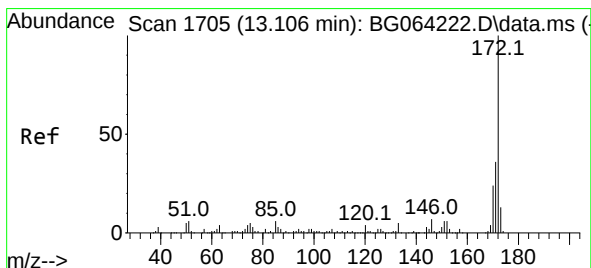
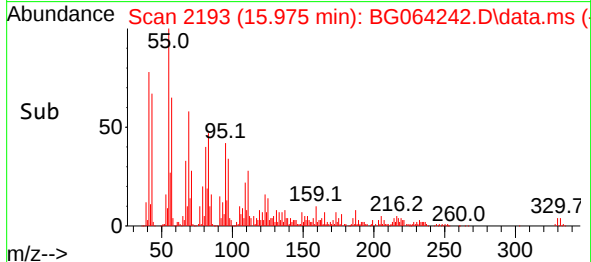
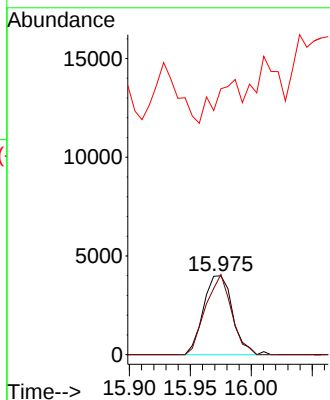


#42
2,4,6-Tribromophenol
Concen: 4.351 ng
RT: 15.975 min Scan# 2192
Delta R.T. 0.002 min
Lab File: BG064242.D
Acq: 2 Sep 2025 12:41

Instrument :
BNA_G
ClientSampleId :

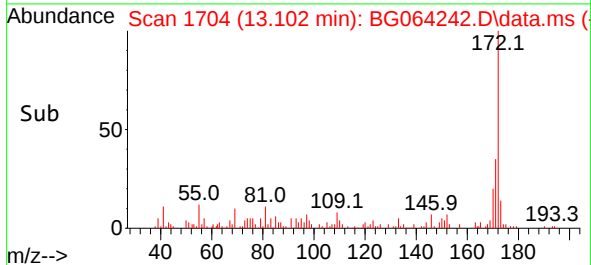
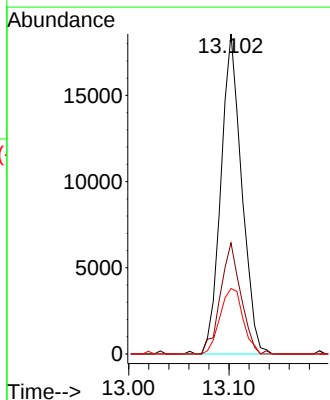
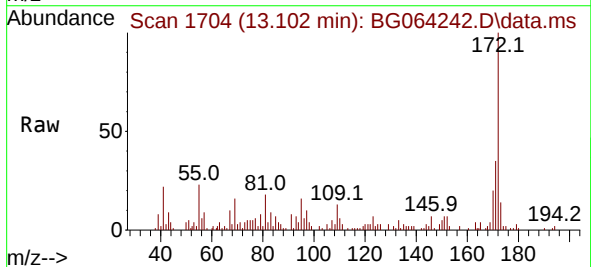


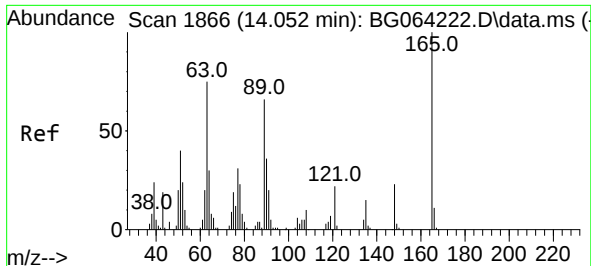
Tgt Ion:330 Resp: 6635
Ion Ratio Lower Upper
330 100
332 90.5 77.6 116.4
141 0.0 29.8 44.6#



#45
2-Fluorobiphenyl
Concen: 3.546 ng
RT: 13.102 min Scan# 1704
Delta R.T. -0.010 min
Lab File: BG064242.D
Acq: 2 Sep 2025 12:41

Tgt Ion:172 Resp: 26743
Ion Ratio Lower Upper
172 100
171 34.7 28.7 43.1
170 20.4 19.0 28.6





#51

2,6-Dinitrotoluene

Concen: 7.743 ng

RT: 14.024 min Scan# 1861

Delta R.T. -0.033 min

Lab File: BG064242.D

Acq: 2 Sep 2025 12:41

Instrument :

BNA_G

ClientSampleId :

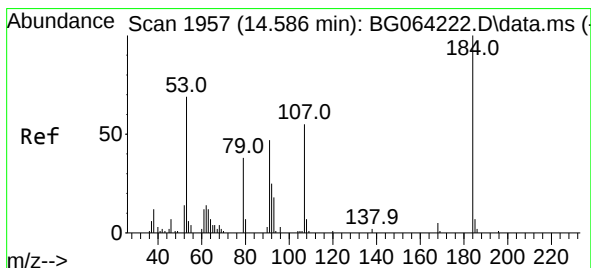
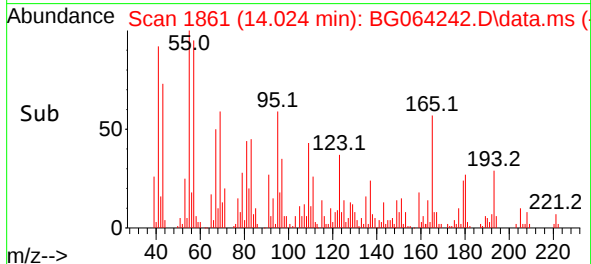
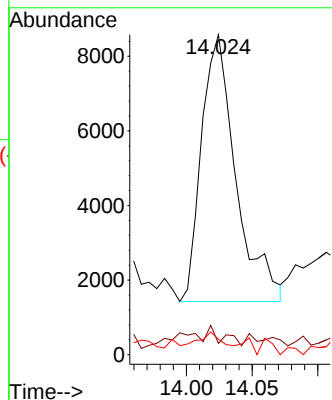
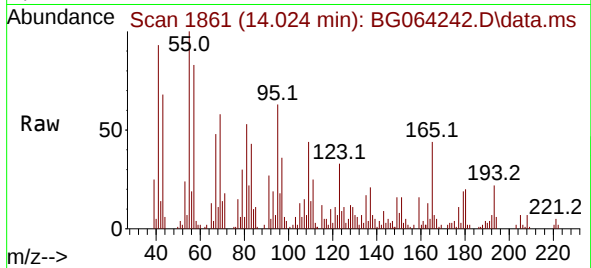
Tgt Ion:165 Resp: 13063

Ion Ratio Lower Upper

165 100

63 3.5 60.3 90.5#

89 4.8 52.9 79.3#



#54

2,4-Dinitrophenol

Concen: 5.837 ng

RT: 14.559 min Scan# 1952

Delta R.T. -0.033 min

Lab File: BG064242.D

Acq: 2 Sep 2025 12:41

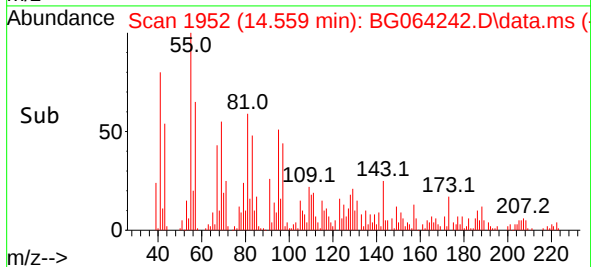
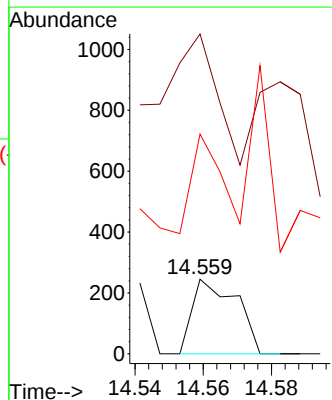
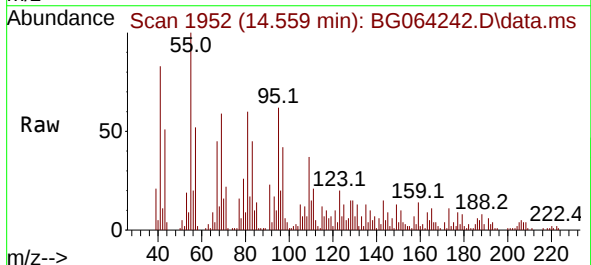
Tgt Ion:184 Resp: 220

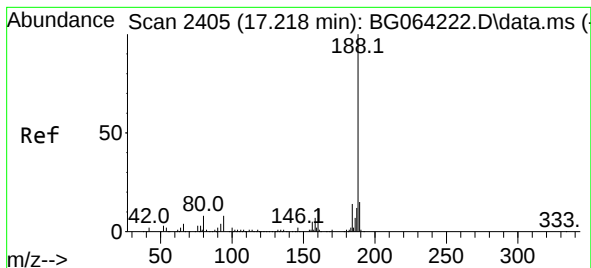
Ion Ratio Lower Upper

184 100

63 429.0 60.1 90.1#

154 294.7 59.8 89.8#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.238 min Scan# 2405

Delta R.T. 0.014 min

Lab File: BG064242.D

Acq: 2 Sep 2025 12:41

Instrument :

BNA_G

ClientSampleId :

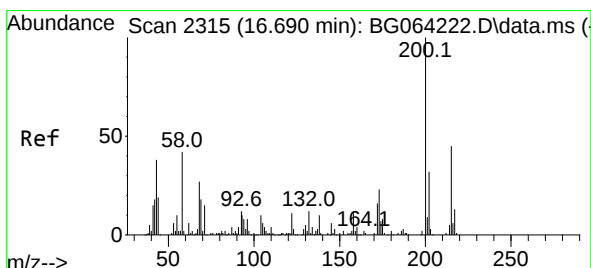
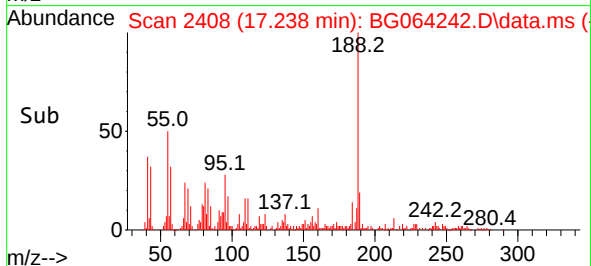
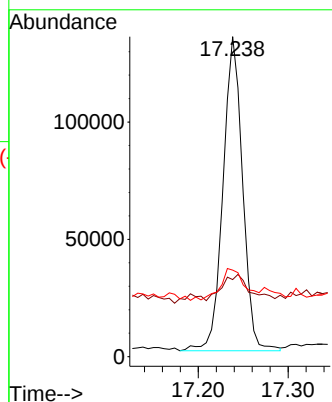
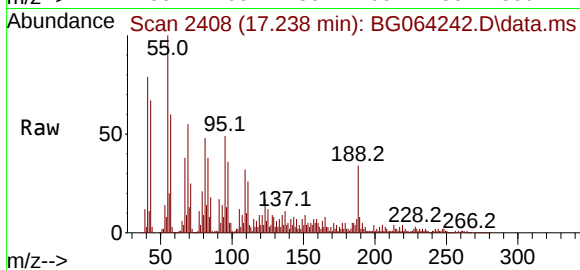
Tgt Ion:188 Resp: 202809

Ion Ratio Lower Upper

188 100

94 24.1 6.2 9.4#

80 27.1 6.8 10.2#



#69

Atrazine

Concen: 4.708 ng

RT: 16.704 min Scan# 2317

Delta R.T. 0.008 min

Lab File: BG064242.D

Acq: 2 Sep 2025 12:41

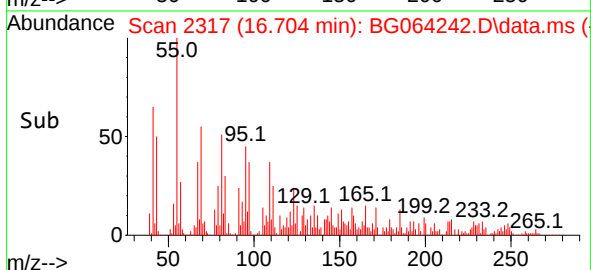
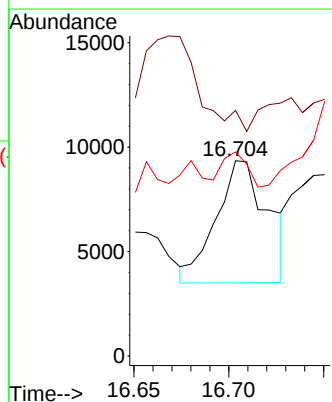
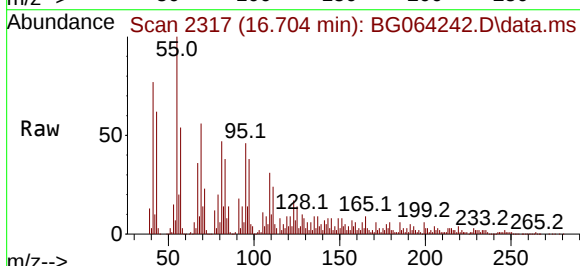
Tgt Ion:200 Resp: 10968

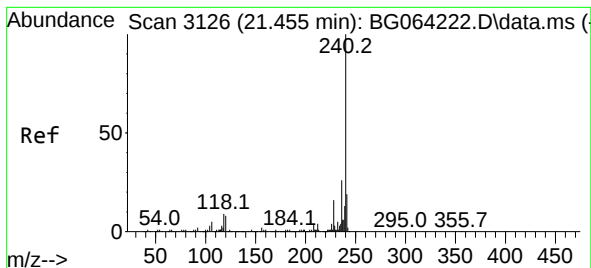
Ion Ratio Lower Upper

200 100

173 125.8 3.5 43.5#

215 104.5 24.8 64.8#





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.474 min Scan# 3126

Delta R.T. 0.019 min

Lab File: BG064242.D

Acq: 2 Sep 2025 12:41

Instrument :

BNA_G

ClientSampleId :

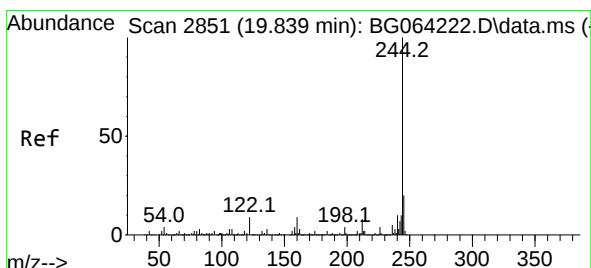
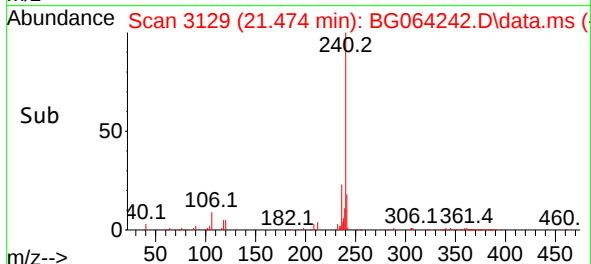
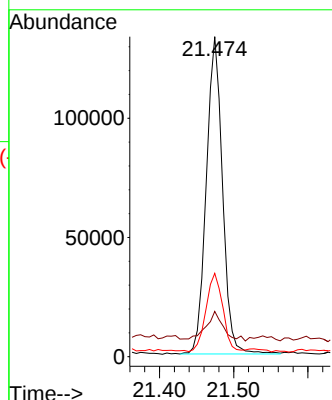
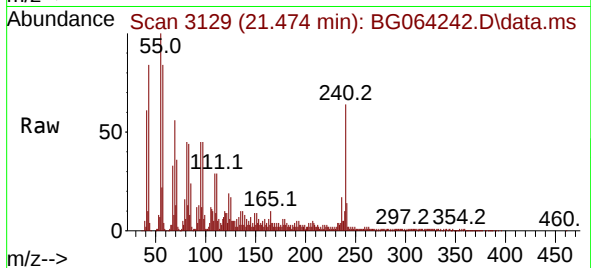
Tgt Ion:240 Resp: 202726

Ion Ratio Lower Upper

240 100

120 14.2 6.2 9.4#

236 26.0 20.5 30.7



#79

Terphenyl-d14

Concen: 3.761 ng

RT: 19.865 min Scan# 2855

Delta R.T. 0.019 min

Lab File: BG064242.D

Acq: 2 Sep 2025 12:41

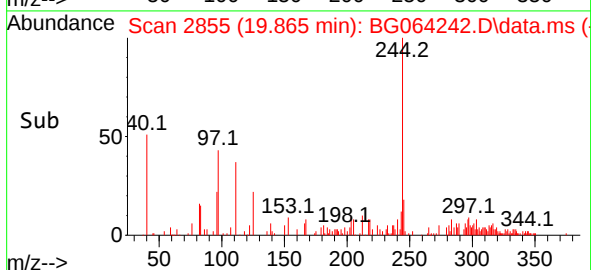
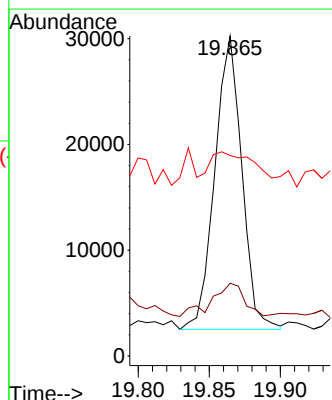
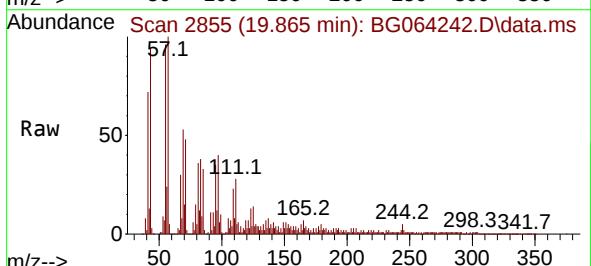
Tgt Ion:244 Resp: 36542

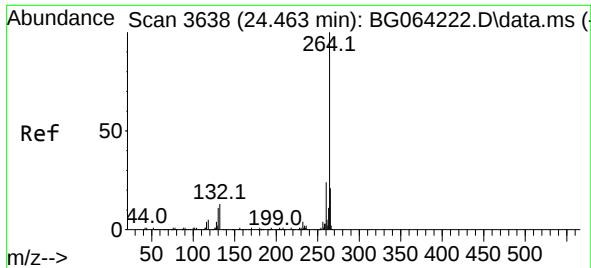
Ion Ratio Lower Upper

244 100

212 22.7 6.6 10.0#

122 62.6 7.0 10.6#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.471 min Scan# 3

Delta R.T. 0.008 min

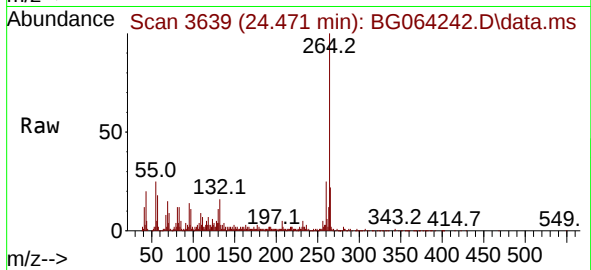
Lab File: BG064242.D

Acq: 2 Sep 2025 12:41

Instrument :

BNA_G

ClientSampleId :



Tgt Ion:264 Resp: 212014

Ion Ratio Lower Upper

264 100

260 25.4 18.9 28.3

265 22.1 16.7 25.1

