

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121225\
 Data File : BG064951.D
 Acq On : 12 Dec 2025 15:47
 Operator : RC/JU
 Sample : Q3844-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONTAINMENT-BANK

Quant Time: Dec 12 16:25:29 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)

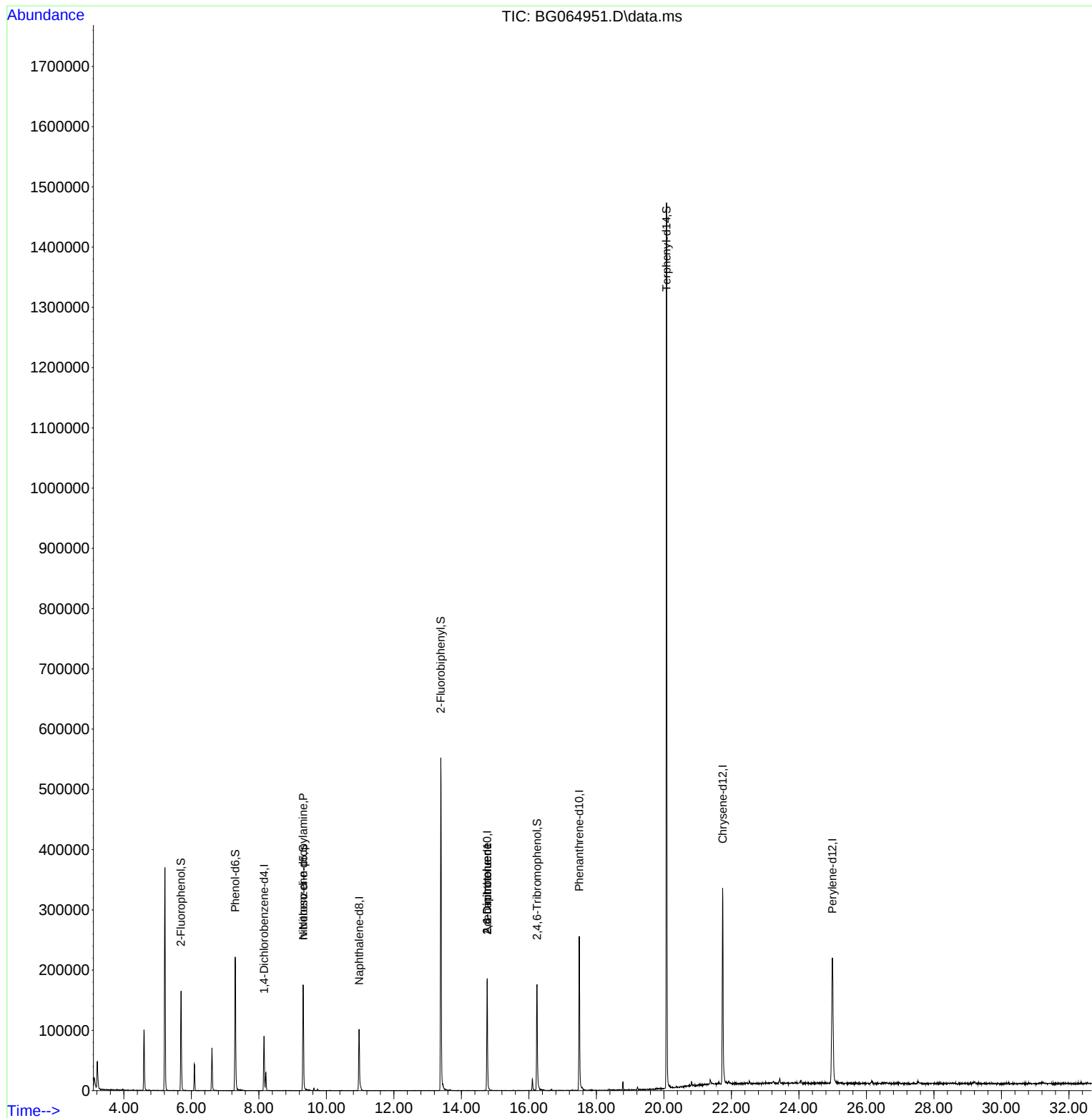
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.156	152	27349	20.000	ng	-0.01
21) Naphthalene-d8	10.970	136	98805	20.000	ng	#-0.02
39) Acenaphthene-d10	14.766	164	79286	20.000	ng	-0.01
64) Phenanthrene-d10	17.492	188	188678	20.000	ng	#-0.01
76) Chrysene-d12	21.740	240	256350	20.000	ng	#-0.02
86) Perylene-d12	24.989	264	290060	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.694	112	68722	43.879	ng	0.00
7) Phenol-d6	7.298	99	121206	58.186	ng	-0.01
23) Nitrobenzene-d5	9.313	82	99262	49.672	ng	-0.02
42) 2,4,6-Tribromophenol	16.240	330	56425	36.490	ng	-0.01
45) 2-Fluorobiphenyl	13.391	172	337763	59.442	ng	-0.02
79) Terphenyl-d14	20.077	244	839247	64.399	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.313	70	14053	9.977	ng	# 67
51) 2,6-Dinitrotoluene	14.766	165	10408	8.636	ng	# 21
57) 2,4-Dinitrotoluene	14.766	165	10408	5.761	ng	# 24

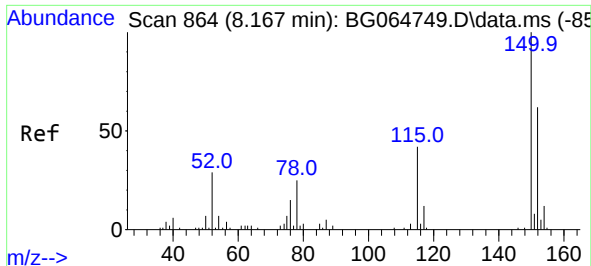
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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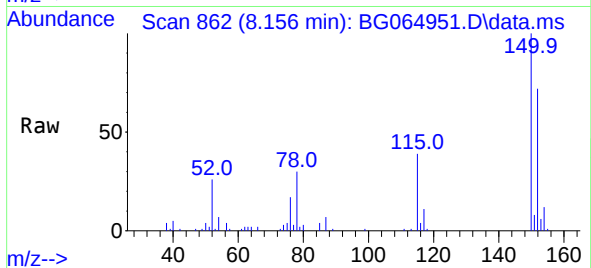
Quant Time: Dec 12 16:25:29 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Response via : Initial Calibration



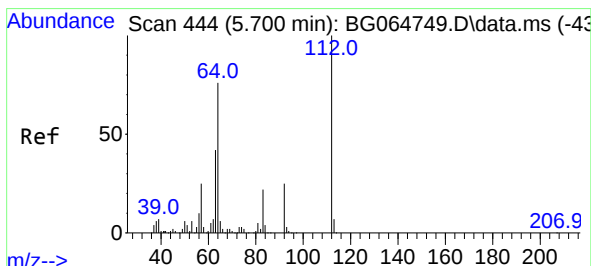
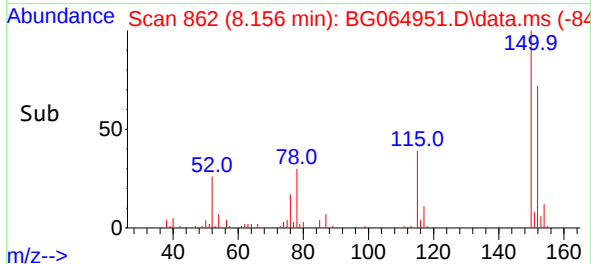
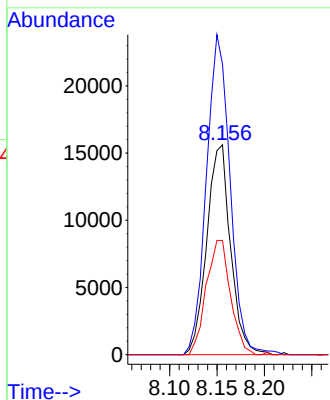


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.156 min Scan# 80
Delta R.T. -0.011 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

Instrument :
BNA_G
ClientSampleId :
CONTAINMENT-BANK

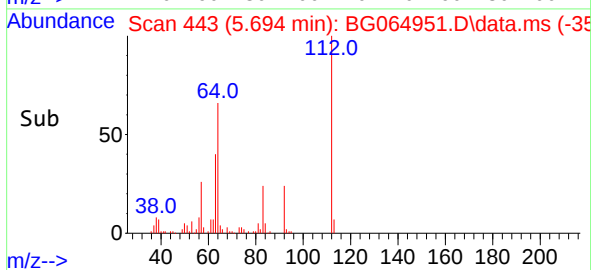
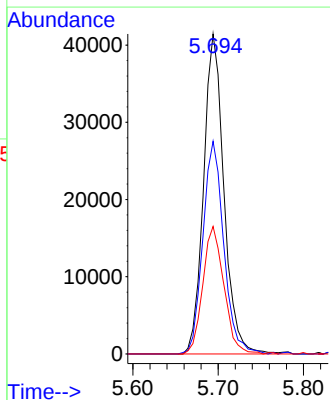
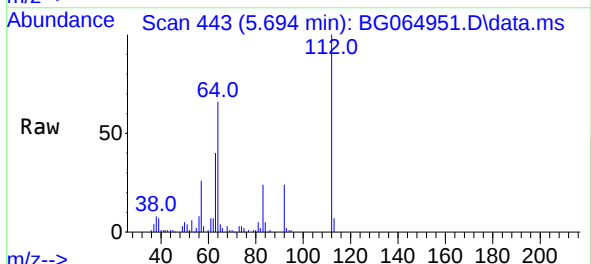


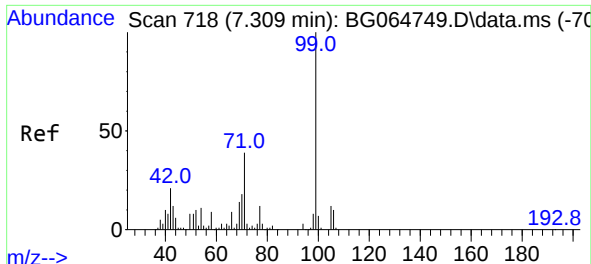
Tgt Ion:152 Resp: 27349
Ion Ratio Lower Upper
152 100
150 138.3 129.2 193.8
115 54.4 53.7 80.5



#5
2-Fluorophenol
Concen: 43.879 ng
RT: 5.694 min Scan# 443
Delta R.T. -0.006 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

Tgt Ion:112 Resp: 68722
Ion Ratio Lower Upper
112 100
64 66.4 61.0 91.4
63 39.8 33.3 49.9

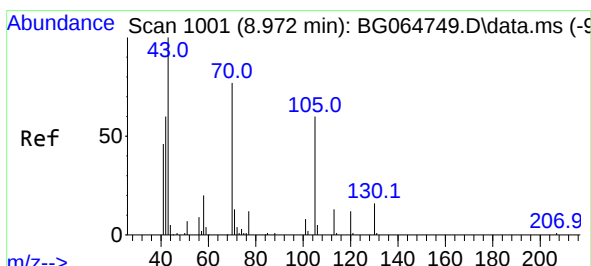
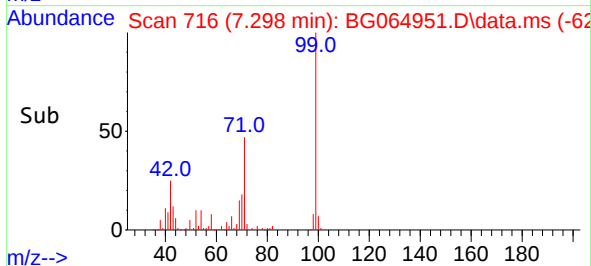
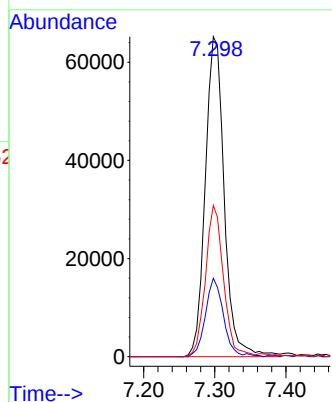
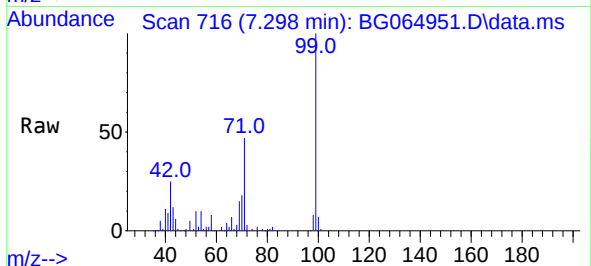




#7
Phenol-d6
Concen: 58.186 ng
RT: 7.298 min Scan# 71
Delta R.T. -0.012 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

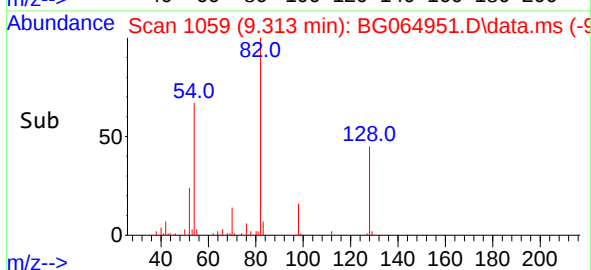
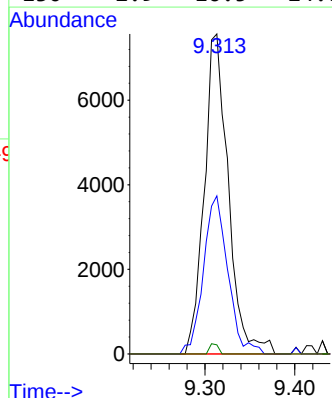
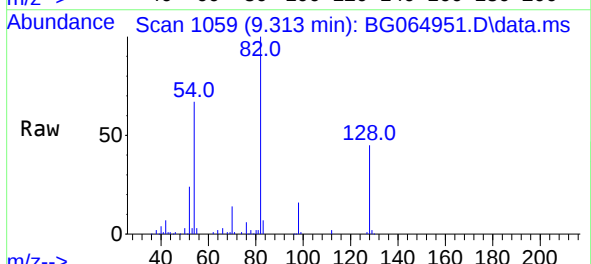
Instrument :
BNA_G
ClientSampleId :
CONTAINMENT-BANK

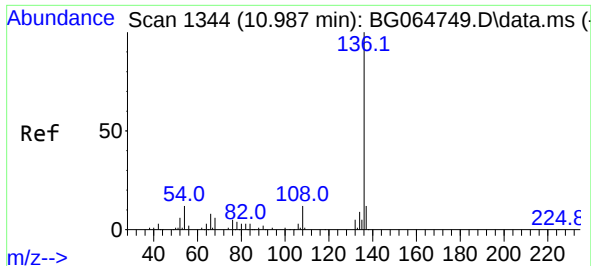
Tgt Ion: 99 Resp: 121206
Ion Ratio Lower Upper
99 100
42 24.5 16.8 25.2
71 47.3 31.1 46.7#



#19
n-Nitroso-di-n-propylamine
Concen: 9.977 ng
RT: 9.313 min Scan# 1059
Delta R.T. 0.341 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

Tgt Ion: 70 Resp: 14053
Ion Ratio Lower Upper
70 100
42 49.4 62.6 93.8#
101 0.0 8.0 12.0#
130 2.9 16.5 24.7#

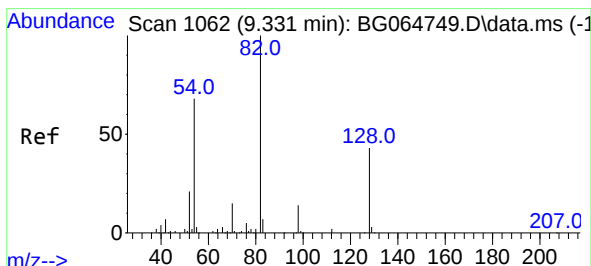
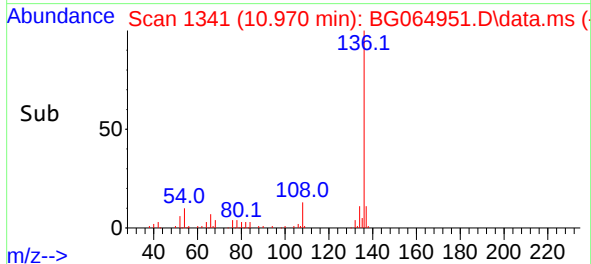
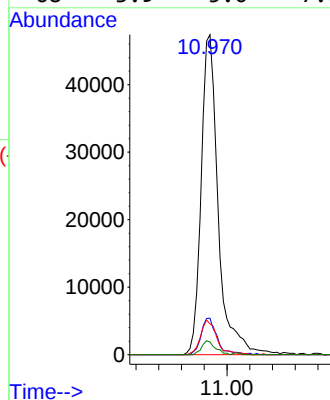
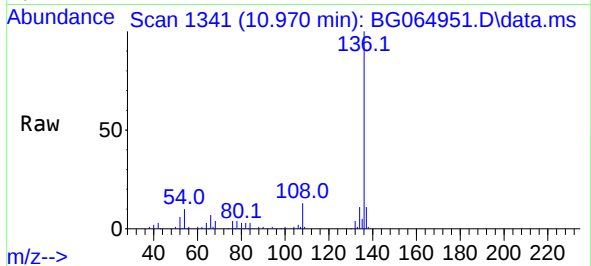




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.970 min Scan# 11
Delta R.T. -0.017 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

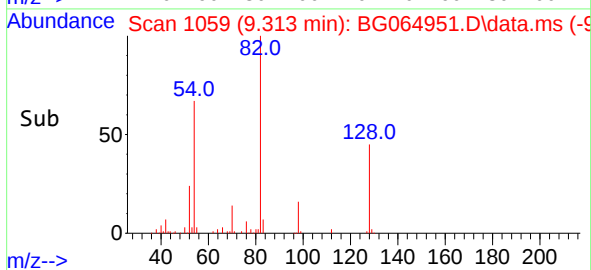
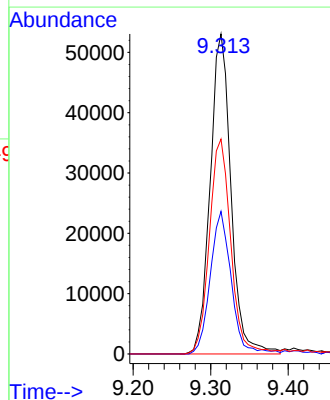
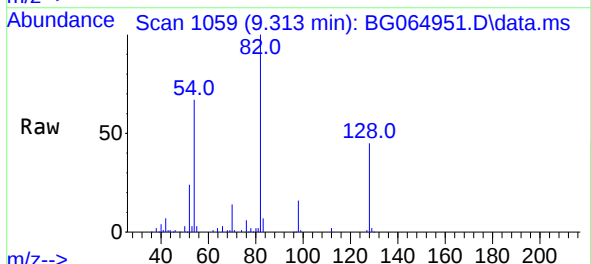
Instrument :
BNA_G
ClientSampleId :
CONTAINMENT-BANK

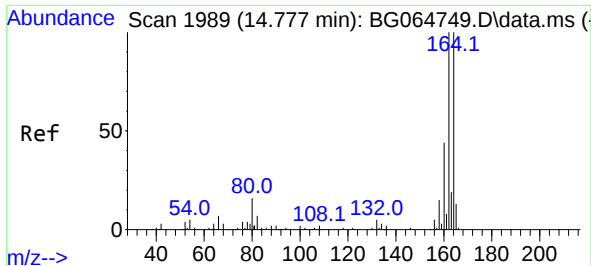
Tgt Ion:	136	Resp:	98805
Ion Ratio	Lower	Upper	
136	100		
137	11.4	9.3	13.9
54	9.7	9.3	13.9
68	3.9	5.0	7.6



#23
Nitrobenzene-d5
Concen: 49.672 ng
RT: 9.313 min Scan# 1059
Delta R.T. -0.017 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

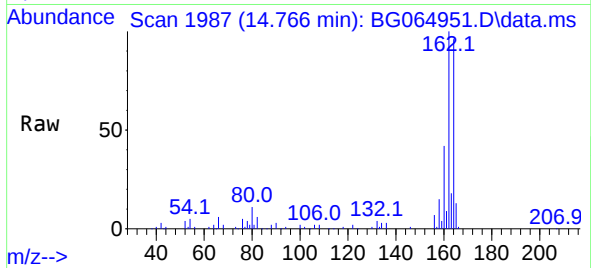
Tgt Ion:	82	Resp:	99262
Ion Ratio	Lower	Upper	
82	100		
128	44.5	34.1	51.1
54	67.2	54.3	81.5



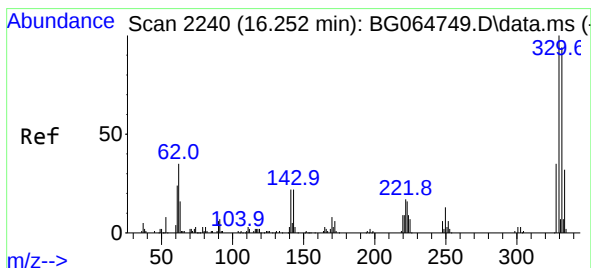
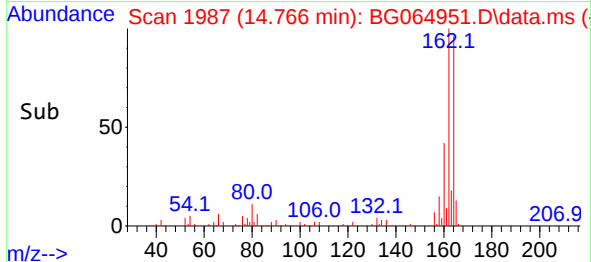
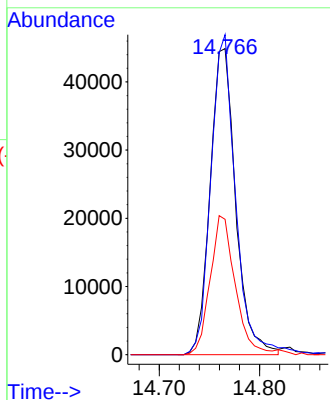


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.766 min Scan# 1987
Delta R.T. -0.012 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

Instrument :
BNA_G
ClientSampleId :
CONTAINMENT-BANK

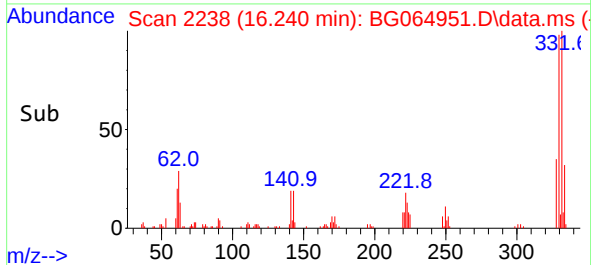
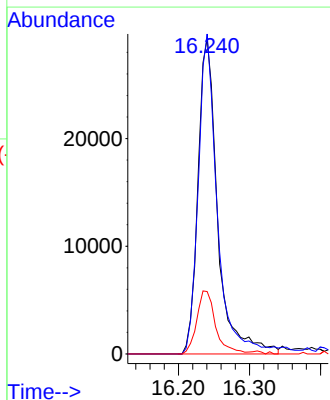
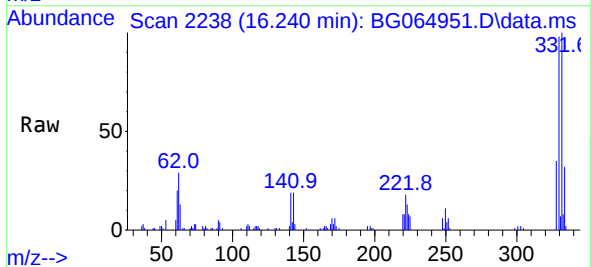


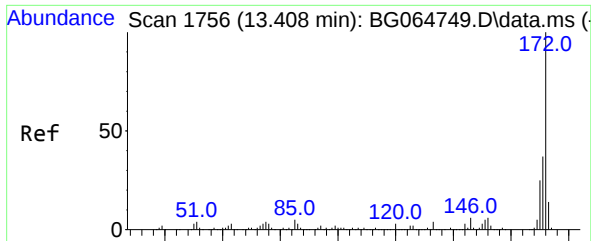
Tgt Ion:164 Resp: 79286
Ion Ratio Lower Upper
164 100
162 104.5 79.8 119.6
160 44.2 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 36.490 ng
RT: 16.240 min Scan# 2238
Delta R.T. -0.012 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

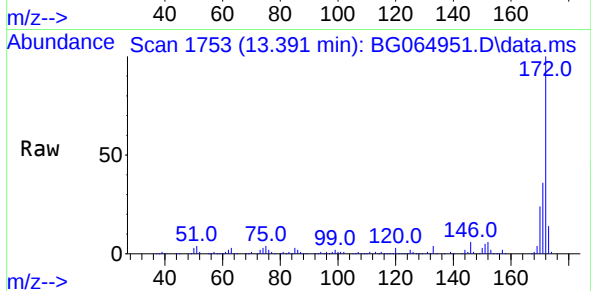
Tgt Ion:330 Resp: 56425
Ion Ratio Lower Upper
330 100
332 99.5 77.0 115.6
141 19.3 18.2 27.2



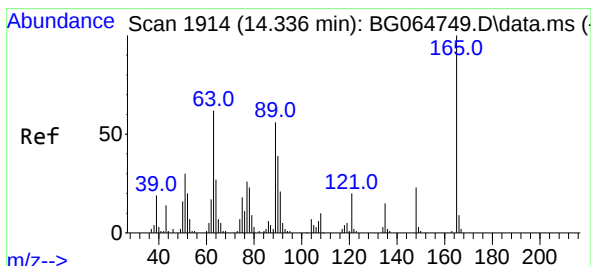
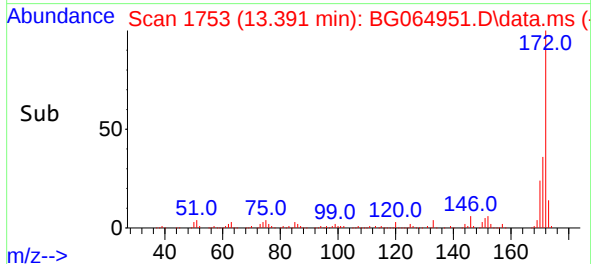
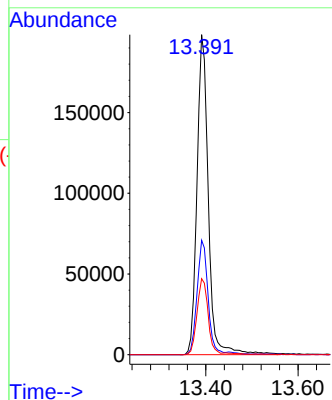


#45
2-Fluorobiphenyl
Concen: 59.442 ng
RT: 13.391 min Scan# 1
Delta R.T. -0.017 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

Instrument :
BNA_G
ClientSampleId :
CONTAINMENT-BANK

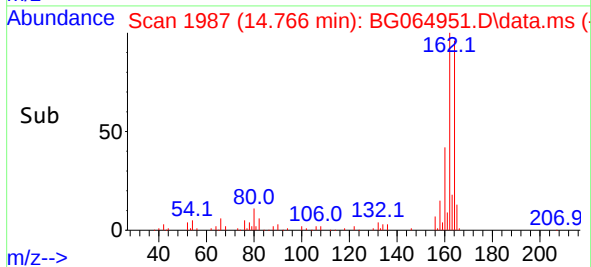
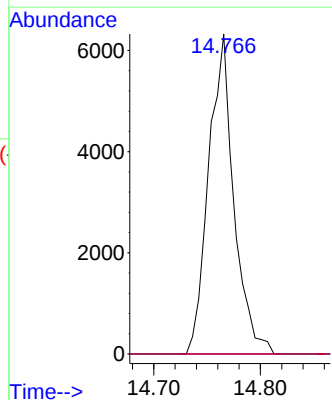
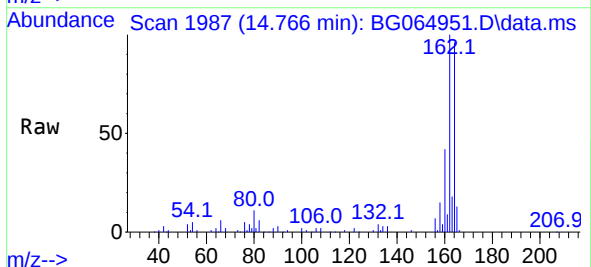


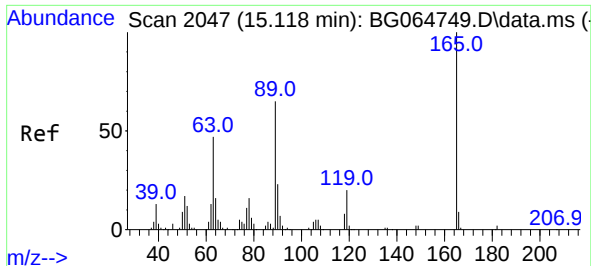
Tgt Ion:172 Resp: 337763
Ion Ratio Lower Upper
172 100
171 35.8 29.9 44.9
170 23.8 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.636 ng
RT: 14.766 min Scan# 1987
Delta R.T. 0.429 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

Tgt Ion:165 Resp: 10408
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.761 ng

RT: 14.766 min Scan# 1987

Delta R.T. -0.352 min

Lab File: BG064951.D

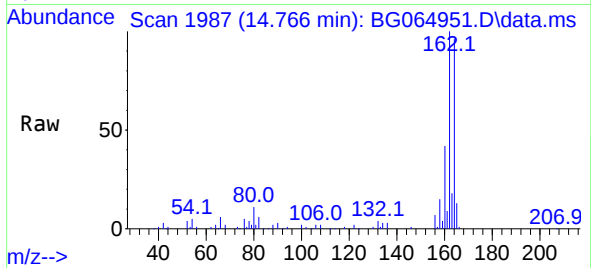
Acq: 12 Dec 2025 15:47

Instrument :

BNA_G

ClientSampleId :

CONTAINMENT-BANK



Tgt Ion:165 Resp: 10408

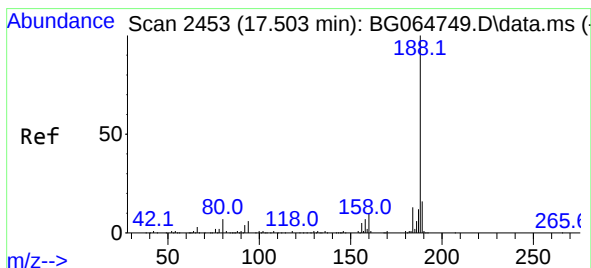
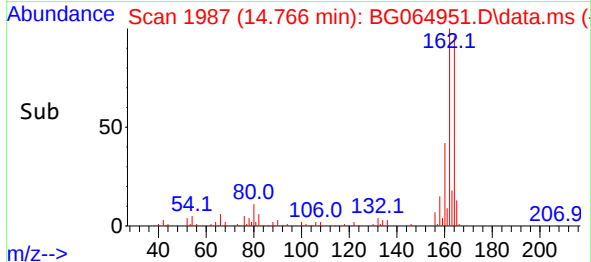
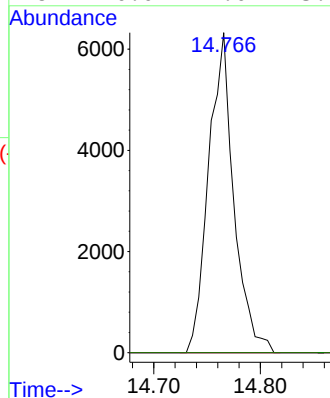
Ion Ratio Lower Upper

165 100

63 0.0 37.8 56.6#

89 0.0 51.6 77.4#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.492 min Scan# 2451

Delta R.T. -0.012 min

Lab File: BG064951.D

Acq: 12 Dec 2025 15:47

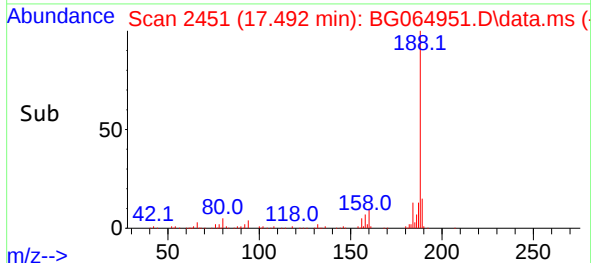
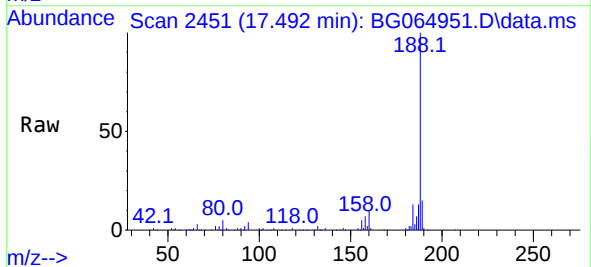
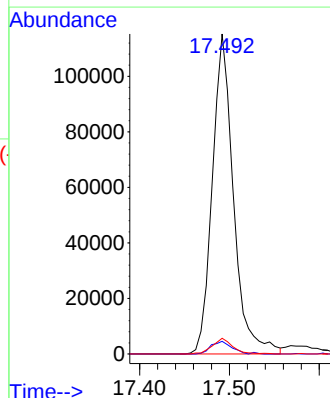
Tgt Ion:188 Resp: 188678

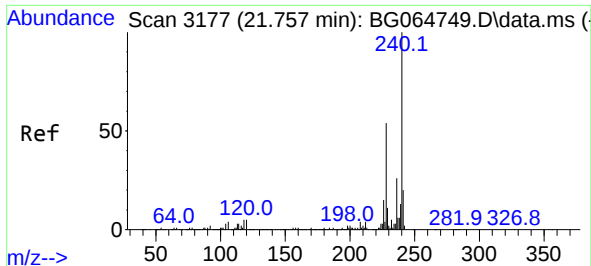
Ion Ratio Lower Upper

188 100

94 3.9 4.7 7.1#

80 4.9 5.4 8.2#

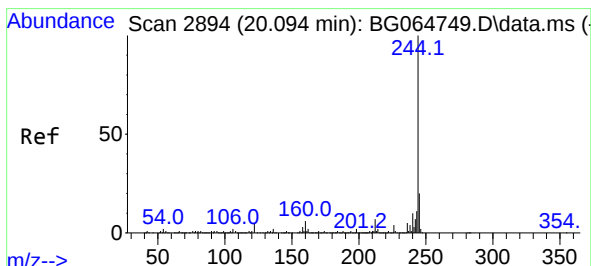
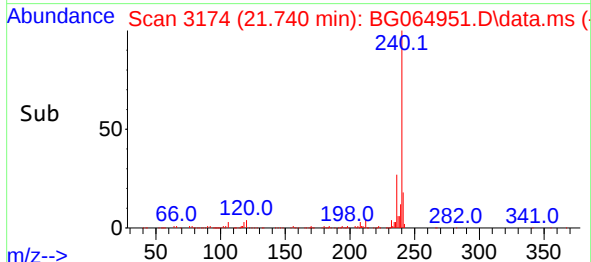
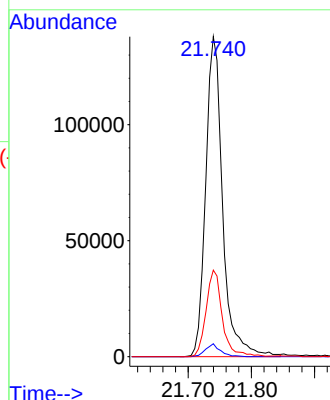
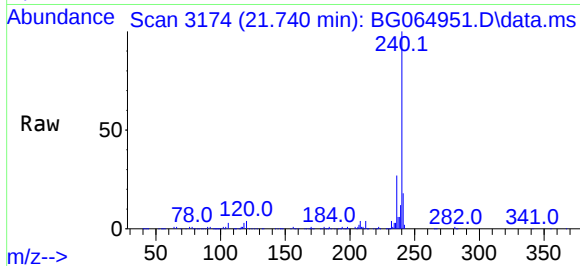




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.740 min Scan# 3174
Delta R.T. -0.017 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

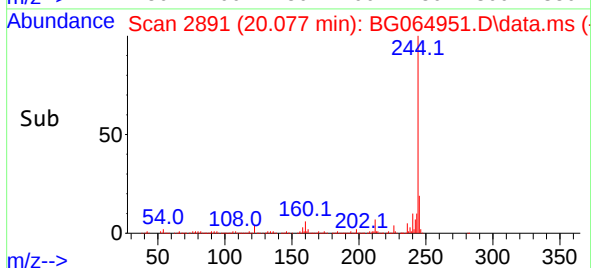
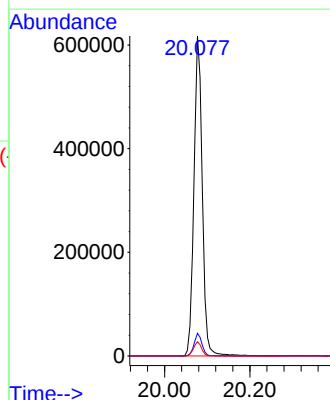
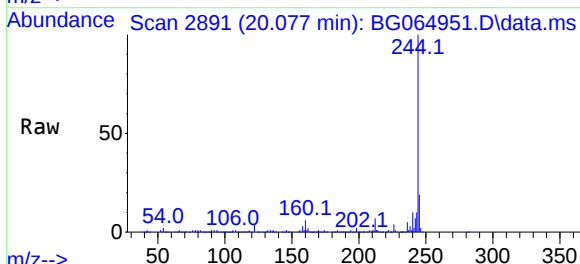
Instrument :
BNA_G
ClientSampleId :
CONTAINMENT-BANK

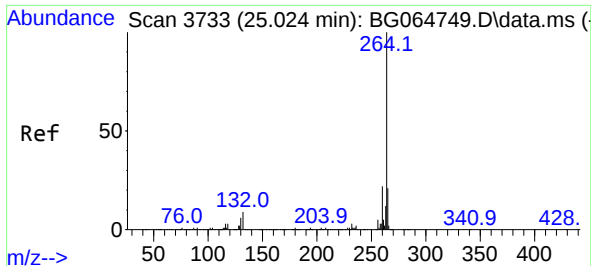
Tgt Ion:240 Resp: 256350
Ion Ratio Lower Upper
240 100
120 4.1 4.2 6.4#
236 27.0 20.8 31.2



#79
Terphenyl-d14
Concen: 64.399 ng
RT: 20.077 min Scan# 2891
Delta R.T. -0.017 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

Tgt Ion:244 Resp: 839247
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 4.4 4.3 6.5





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.989 min Scan# 31
Delta R.T. -0.035 min
Lab File: BG064951.D
Acq: 12 Dec 2025 15:47

Instrument :
BNA_G
ClientSampleId :
CONTAINMENT-BANK

Tgt Ion:264 Resp: 290060
Ion Ratio Lower Upper
264 100
260 22.8 17.2 25.8
265 21.1 16.6 25.0

