

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120925\
 Data File : BG064904.D
 Acq On : 9 Dec 2025 14:18
 Operator : RC/JU
 Sample : Q3800-02
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP#1

Quant Time: Dec 09 14:57:13 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)

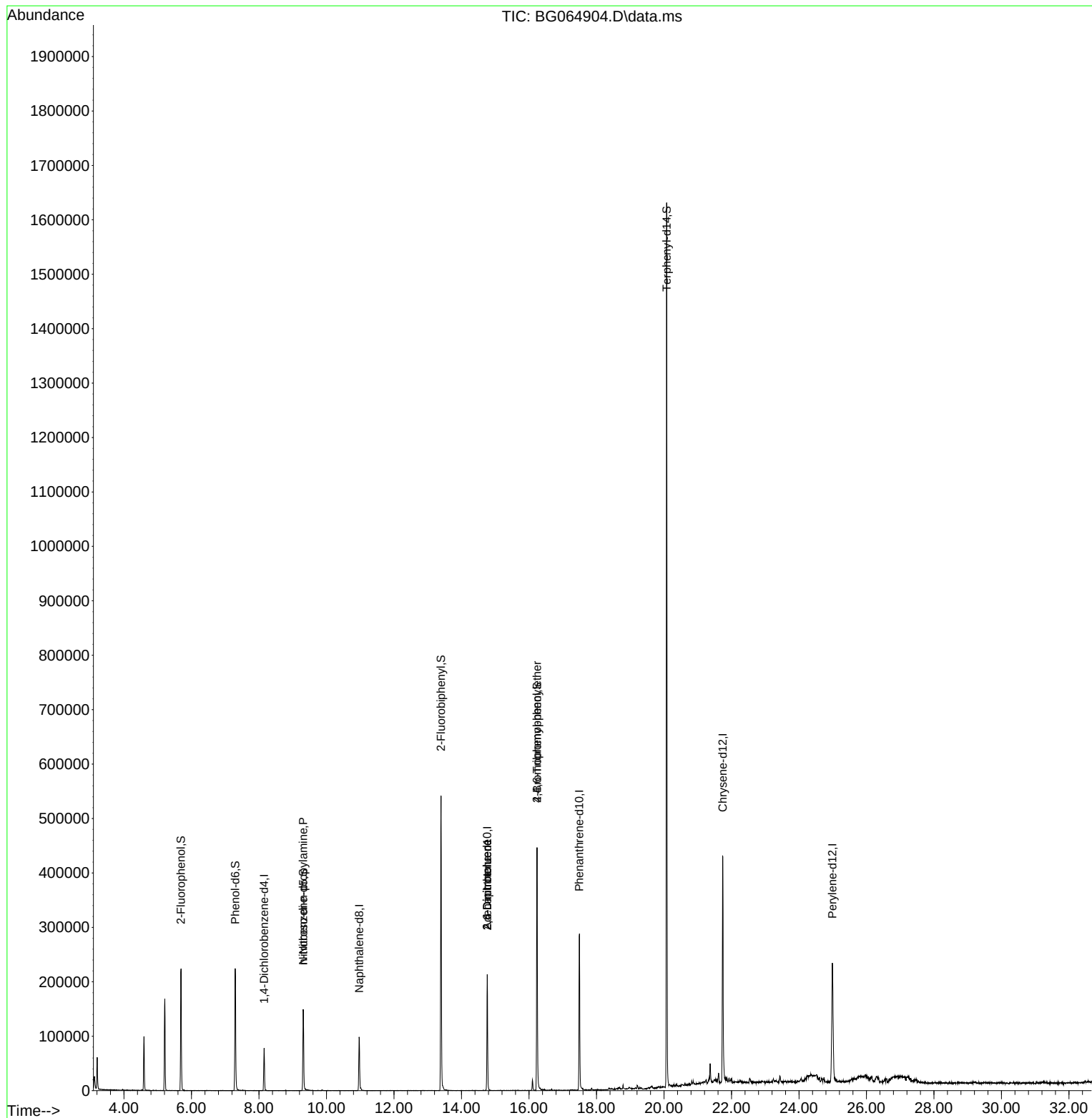
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	22383	20.000	ng	-0.01
21) Naphthalene-d8	10.968	136	91924	20.000	ng	#-0.02
39) Acenaphthene-d10	14.763	164	83855	20.000	ng	-0.01
64) Phenanthrene-d10	17.489	188	211878	20.000	ng	#-0.01
76) Chrysene-d12	21.743	240	303446	20.000	ng	#-0.01
86) Perylene-d12	24.986	264	284727	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	90117	70.305	ng	0.00
7) Phenol-d6	7.295	99	121738	71.407	ng	-0.01
23) Nitrobenzene-d5	9.311	82	86043	46.280	ng	-0.02
42) 2,4,6-Tribromophenol	16.238	330	122878	75.135	ng	-0.01
45) 2-Fluorobiphenyl	13.394	172	314505	52.333	ng	-0.01
79) Terphenyl-d14	20.080	244	901184	58.419	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.311	70	12297	10.668	ng	# 69
51) 2,6-Dinitrotoluene	14.763	165	10992	8.624	ng	# 23
57) 2,4-Dinitrotoluene	14.763	165	10992	5.752	ng	# 26
67) 4-Bromophenyl-phenylether	16.238	248	6834	2.456	ng	# 1

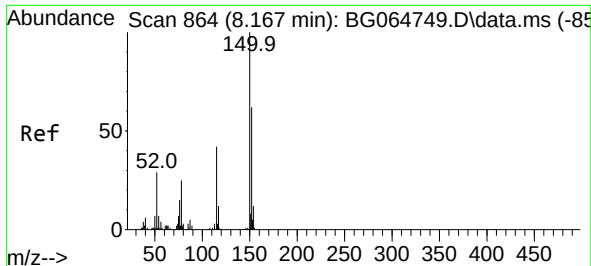
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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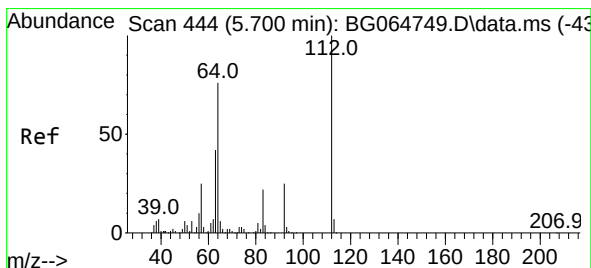
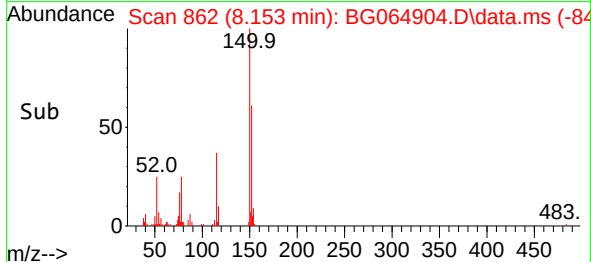
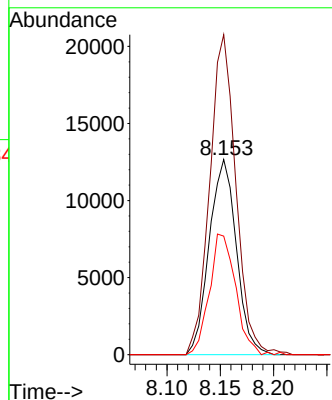
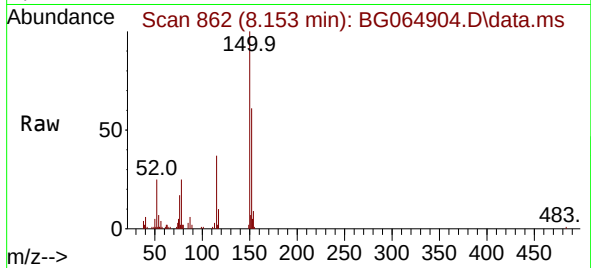




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.153 min Scan# 80
 Delta R.T. -0.014 min
 Lab File: BG064904.D
 Acq: 9 Dec 2025 14:18

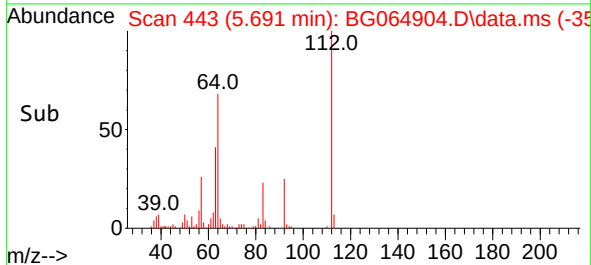
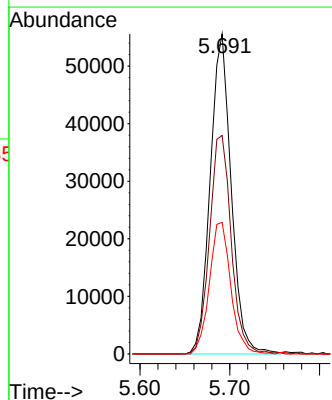
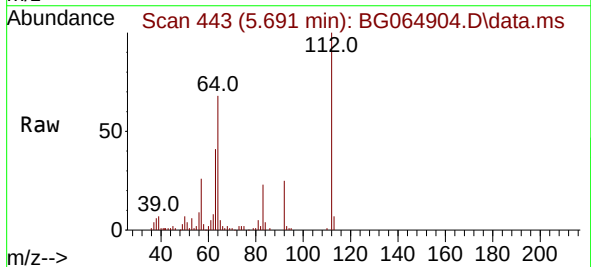
Instrument :
 BNA_G
 ClientSampleId :
 COMP#1

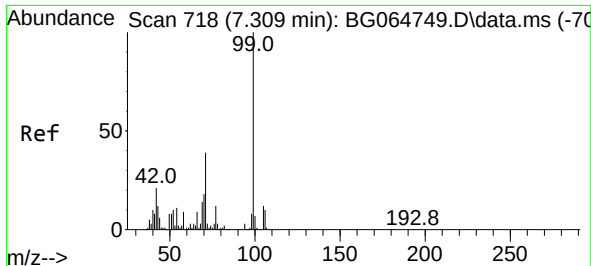
Tgt Ion:152 Resp: 22383
 Ion Ratio Lower Upper
 152 100
 150 163.9 129.2 193.8
 115 60.8 53.7 80.5



#5
 2-Fluorophenol
 Concen: 70.305 ng
 RT: 5.691 min Scan# 443
 Delta R.T. -0.008 min
 Lab File: BG064904.D
 Acq: 9 Dec 2025 14:18

Tgt Ion:112 Resp: 90117
 Ion Ratio Lower Upper
 112 100
 64 68.3 61.0 91.4
 63 41.1 33.3 49.9





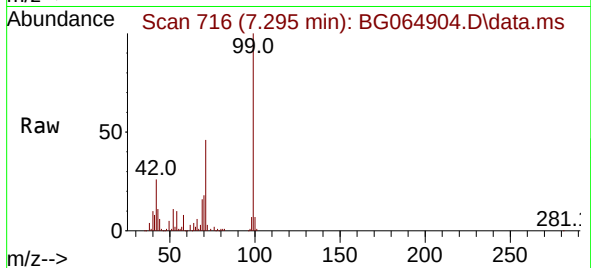
#7
Phenol-d6
Concen: 71.407 ng
RT: 7.295 min Scan# 71
Delta R.T. -0.014 min
Lab File: BG064904.D
Acq: 9 Dec 2025 14:18

Instrument :

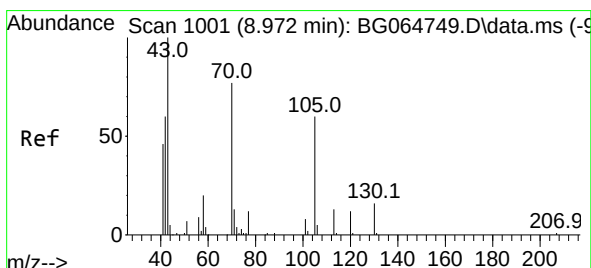
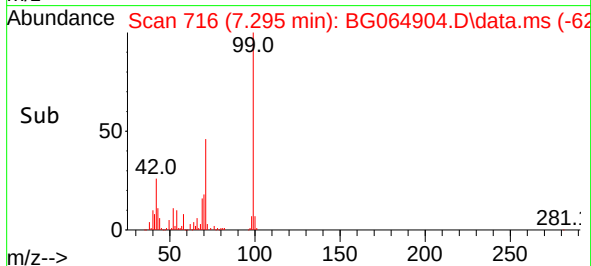
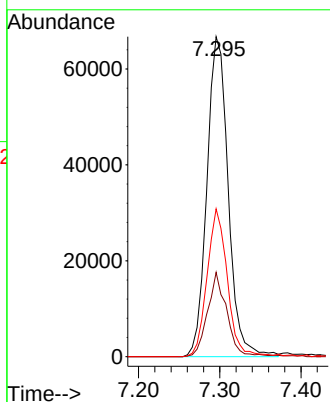
BNA_G

ClientSampleId :

COMP#1

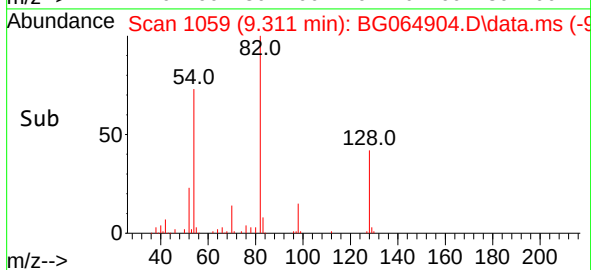
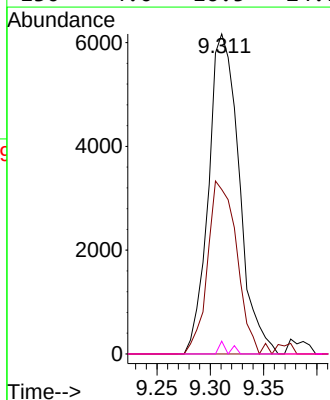
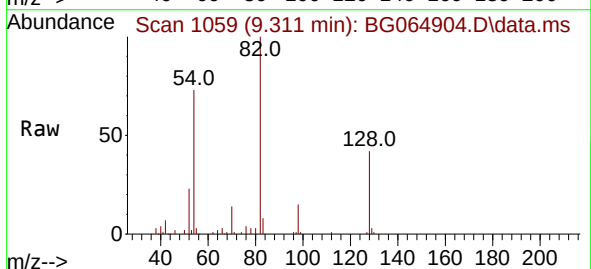


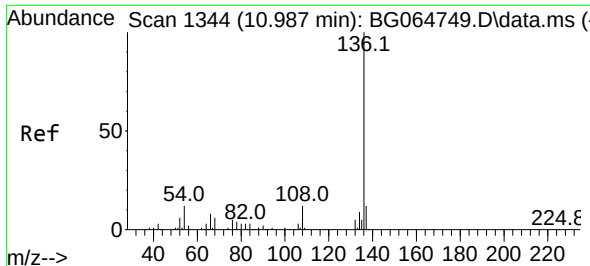
Tgt Ion: 99 Resp: 121738
Ion Ratio Lower Upper
99 100
42 26.3 16.8 25.2#
71 46.2 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.668 ng
RT: 9.311 min Scan# 1059
Delta R.T. 0.339 min
Lab File: BG064904.D
Acq: 9 Dec 2025 14:18

Tgt Ion: 70 Resp: 12297
Ion Ratio Lower Upper
70 100
42 51.4 62.6 93.8#
101 0.0 8.0 12.0#
130 4.0 16.5 24.7#

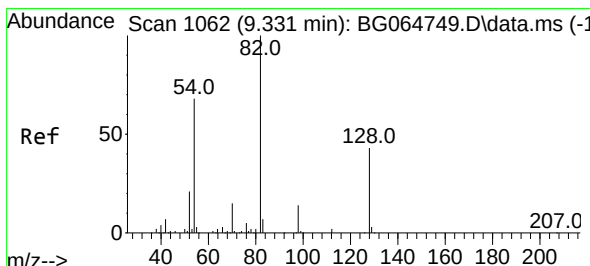
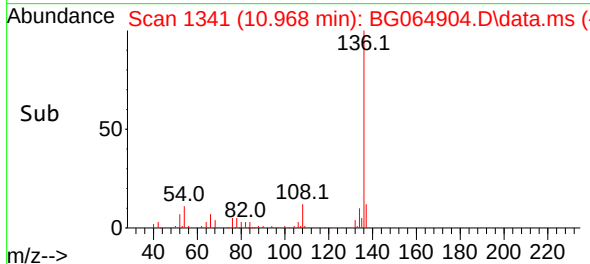
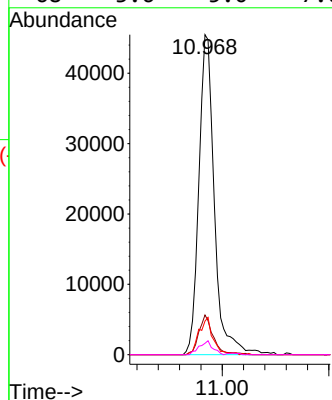
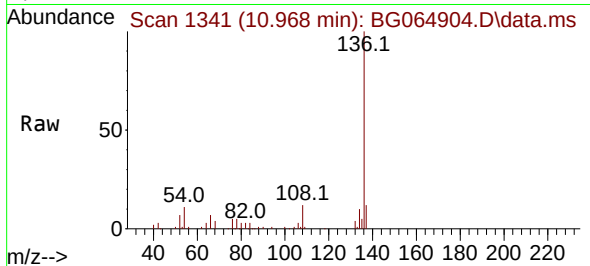




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.968 min Scan# 11
Delta R.T. -0.019 min
Lab File: BG064904.D
Acq: 9 Dec 2025 14:18

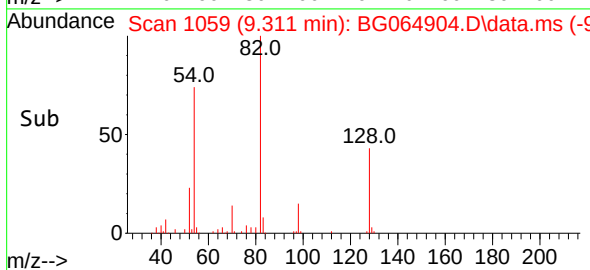
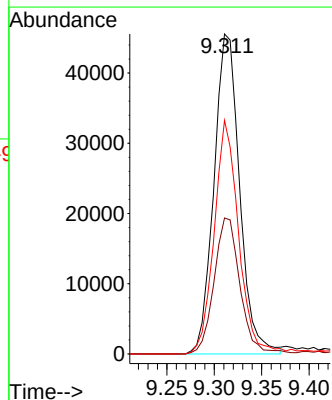
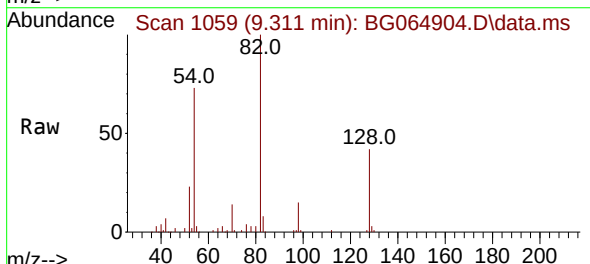
Instrument :
BNA_G
ClientSampleId :
COMP#1

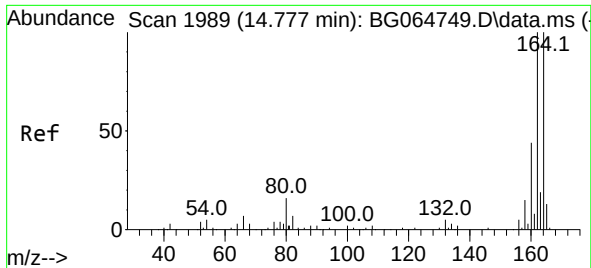
Tgt Ion:136	Resp:	91924
Ion Ratio	Lower	Upper
136	100	
137	12.4	9.3 13.9
54	10.5	9.3 13.9
68	3.6	5.0 7.6



#23
Nitrobenzene-d5
Concen: 46.280 ng
RT: 9.311 min Scan# 1059
Delta R.T. -0.020 min
Lab File: BG064904.D
Acq: 9 Dec 2025 14:18

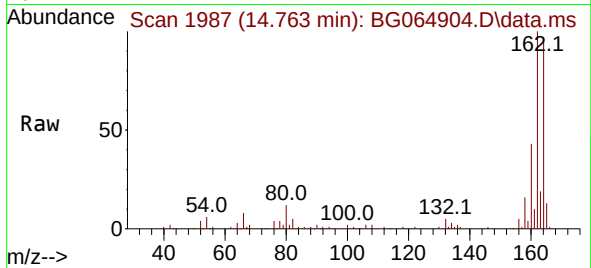
Tgt Ion: 82	Resp:	86043
Ion Ratio	Lower	Upper
82	100	
128	42.5	34.1 51.1
54	73.0	54.3 81.5



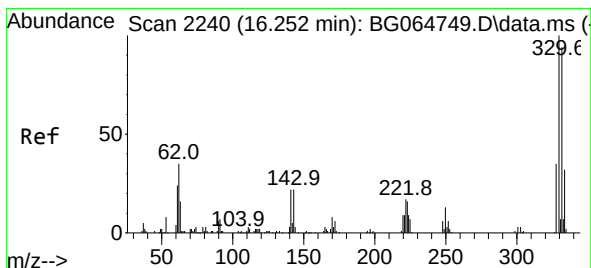
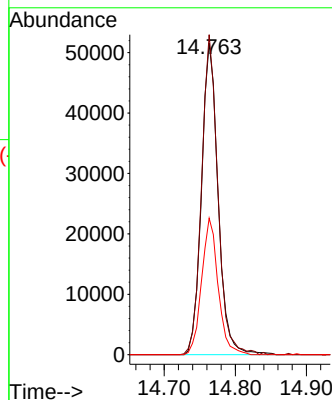
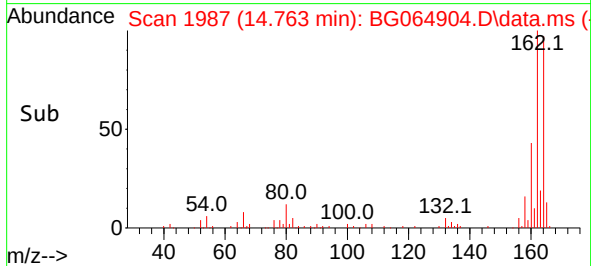


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.763 min Scan# 1987
Delta R.T. -0.014 min
Lab File: BG064904.D
Acq: 9 Dec 2025 14:18

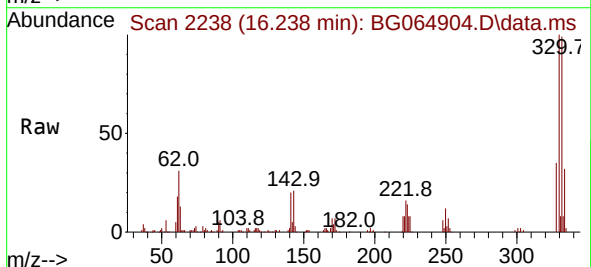
Instrument :
BNA_G
ClientSampleId :
COMP#1



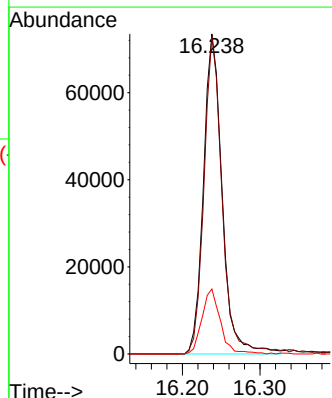
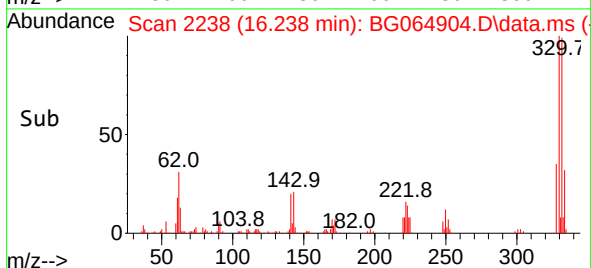
Tgt Ion:164 Resp: 83855
Ion Ratio Lower Upper
164 100
162 102.7 79.8 119.6
160 43.8 34.9 52.3

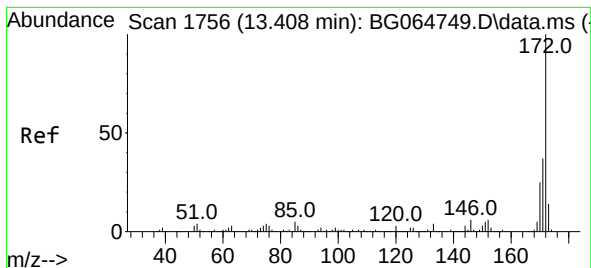


#42
2,4,6-Tribromophenol
Concen: 75.135 ng
RT: 16.238 min Scan# 2238
Delta R.T. -0.014 min
Lab File: BG064904.D
Acq: 9 Dec 2025 14:18



Tgt Ion:330 Resp: 122878
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.6
141 20.0 18.2 27.2





#45

2-Fluorobiphenyl

Concen: 52.333 ng

RT: 13.394 min Scan# 1

Delta R.T. -0.014 min

Lab File: BG064904.D

Acq: 9 Dec 2025 14:18

Instrument :

BNA_G

ClientSampleId :

COMP#1

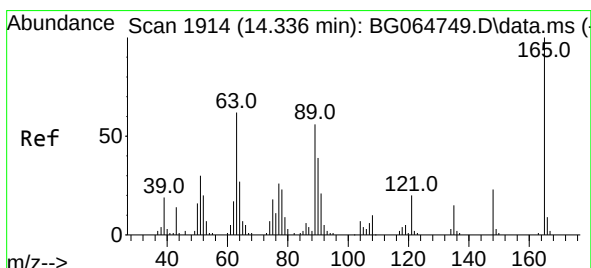
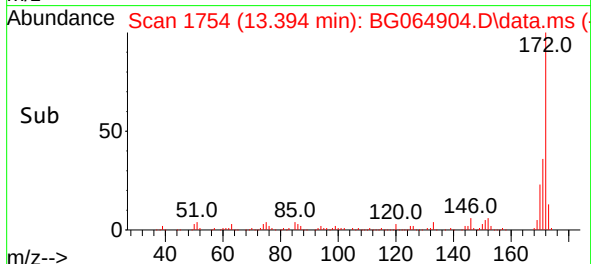
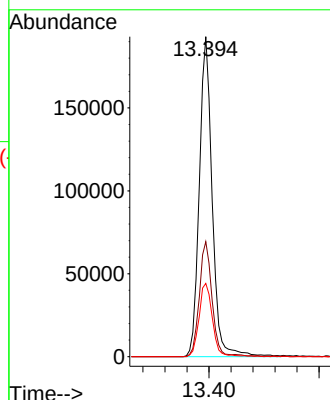
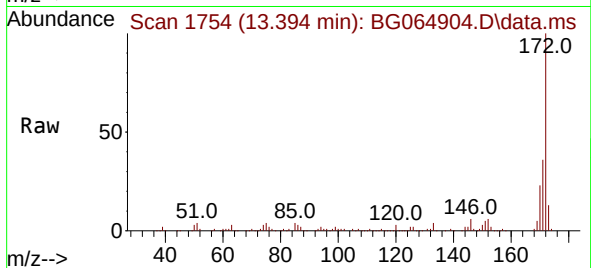
Tgt Ion:172 Resp: 314505

Ion Ratio Lower Upper

172 100

171 36.0 29.9 44.9

170 22.9 19.8 29.6



#51

2,6-Dinitrotoluene

Concen: 8.624 ng

RT: 14.763 min Scan# 1987

Delta R.T. 0.427 min

Lab File: BG064904.D

Acq: 9 Dec 2025 14:18

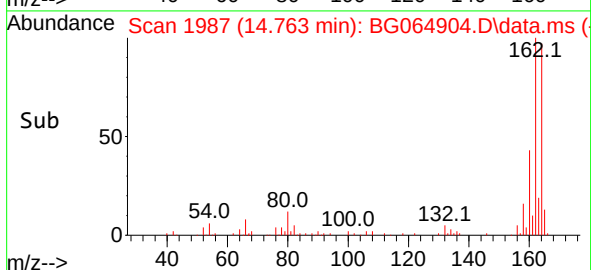
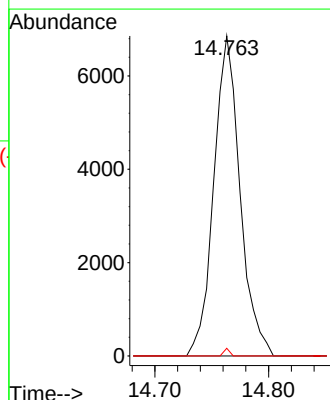
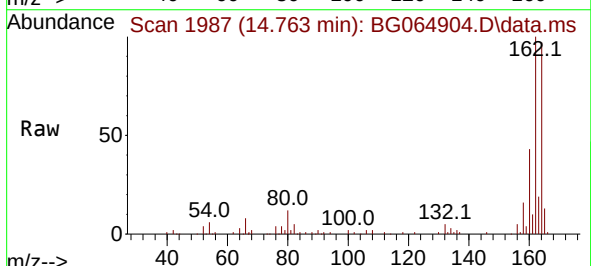
Tgt Ion:165 Resp: 10992

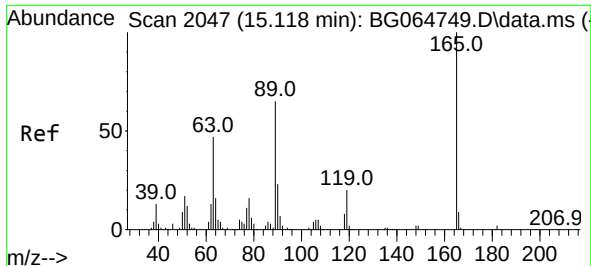
Ion Ratio Lower Upper

165 100

63 0.0 49.8 74.8#

89 2.4 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.752 ng

RT: 14.763 min Scan# 1987

Delta R.T. -0.355 min

Lab File: BG064904.D

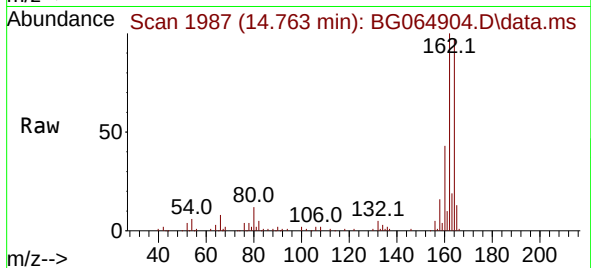
Acq: 9 Dec 2025 14:18

Instrument :

BNA_G

ClientSampleId :

COMP#1



Tgt Ion:165 Resp: 10992

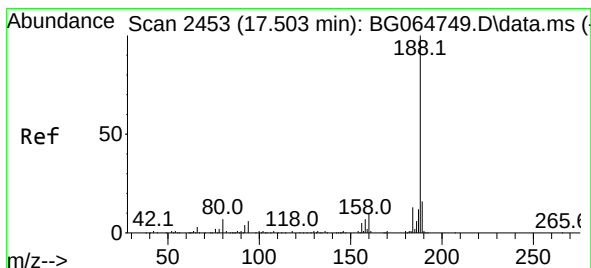
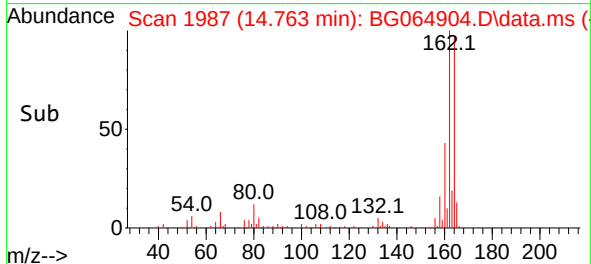
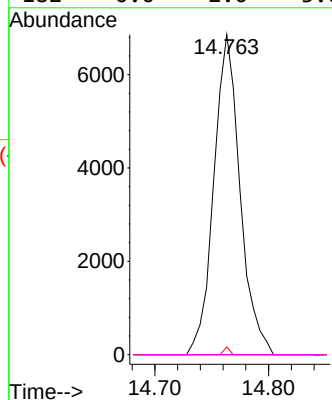
Ion Ratio Lower Upper

165 100

63 0.0 37.8 56.6#

89 2.4 51.6 77.4#

182 0.0 2.0 3.0#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.489 min Scan# 2451

Delta R.T. -0.014 min

Lab File: BG064904.D

Acq: 9 Dec 2025 14:18

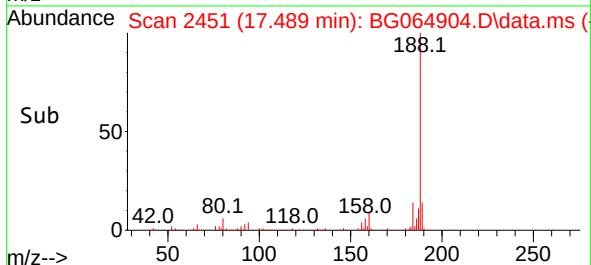
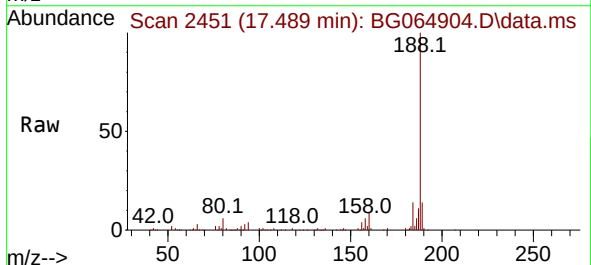
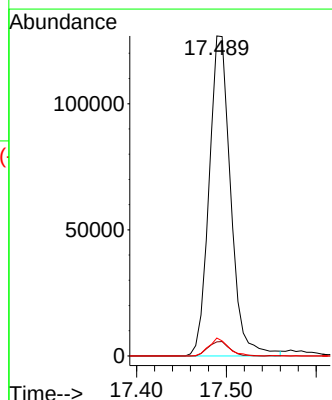
Tgt Ion:188 Resp: 211878

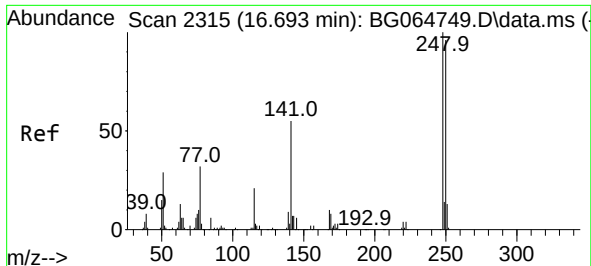
Ion Ratio Lower Upper

188 100

94 4.4 4.7 7.1#

80 5.6 5.4 8.2

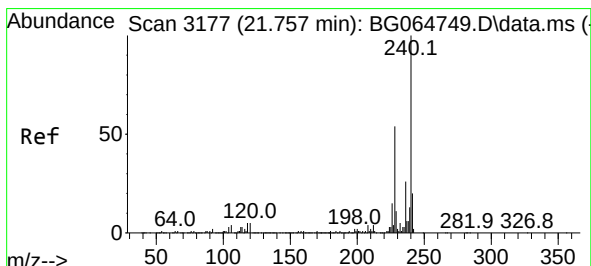
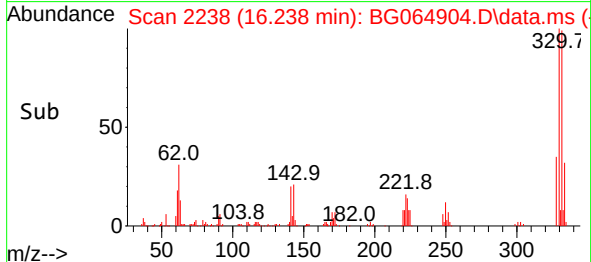
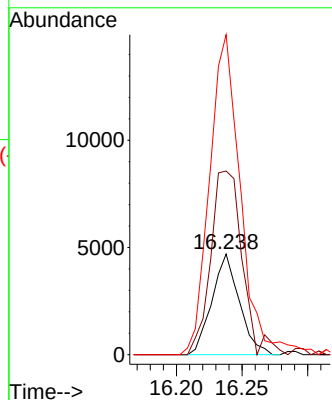
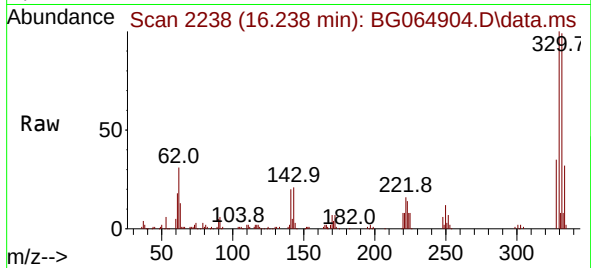




#67
4-Bromophenyl-phenylether
Concen: 2.456 ng
RT: 16.238 min Scan# 21
Delta R.T. -0.455 min
Lab File: BG064904.D
Acq: 9 Dec 2025 14:18

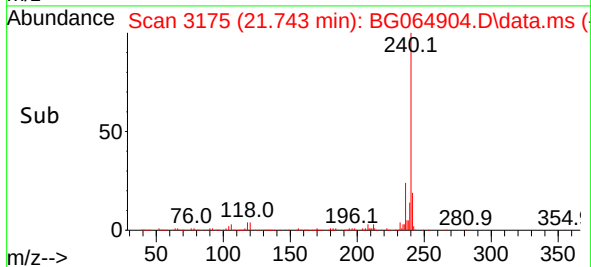
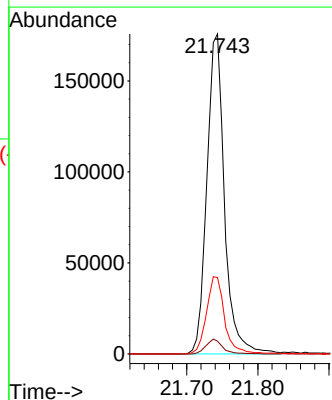
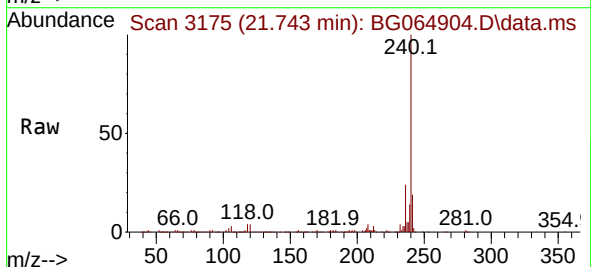
Instrument :
BNA_G
ClientSampleId :
COMP#1

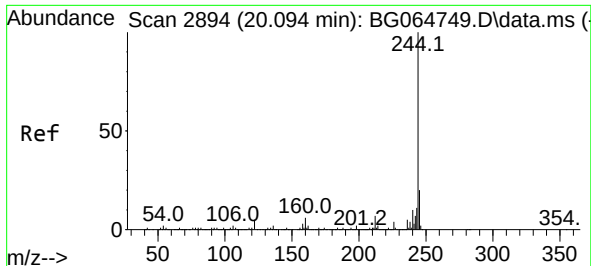
Tgt Ion:248 Resp: 6834
Ion Ratio Lower Upper
248 100
250 232.7 77.0 115.6#
141 318.0 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.743 min Scan# 3175
Delta R.T. -0.014 min
Lab File: BG064904.D
Acq: 9 Dec 2025 14:18

Tgt Ion:240 Resp: 303446
Ion Ratio Lower Upper
240 100
120 4.0 4.2 6.4#
236 23.9 20.8 31.2

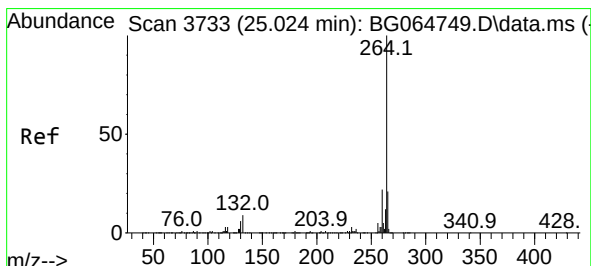
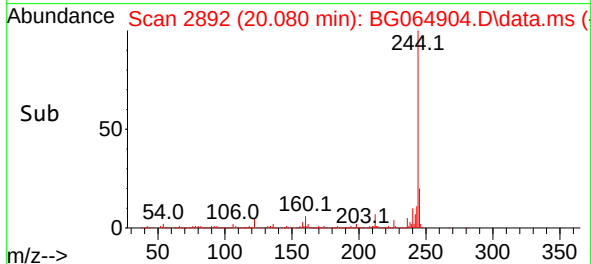
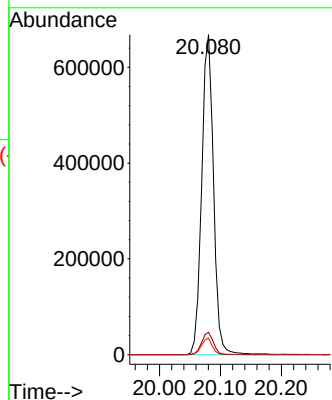
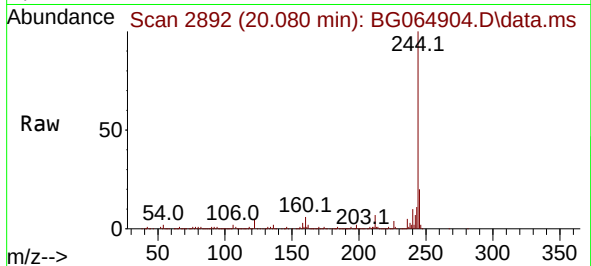




#79
 Terphenyl-d14
 Concen: 58.419 ng
 RT: 20.080 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BG064904.D
 Acq: 9 Dec 2025 14:18

Instrument :
 BNA_G
 ClientSampleId :
 COMP#1

Tgt Ion:244 Resp: 901184
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.6
 122 5.1 4.3 6.5



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.986 min Scan# 3727
 Delta R.T. -0.037 min
 Lab File: BG064904.D
 Acq: 9 Dec 2025 14:18

Tgt Ion:264 Resp: 284727
 Ion Ratio Lower Upper
 264 100
 260 24.7 17.2 25.8
 265 21.9 16.6 25.0

