

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121025\
 Data File : BG064918.D
 Acq On : 10 Dec 2025 12:58
 Operator : RC/JU
 Sample : PB170885BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB170885BL

Quant Time: Dec 10 13:34:23 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)

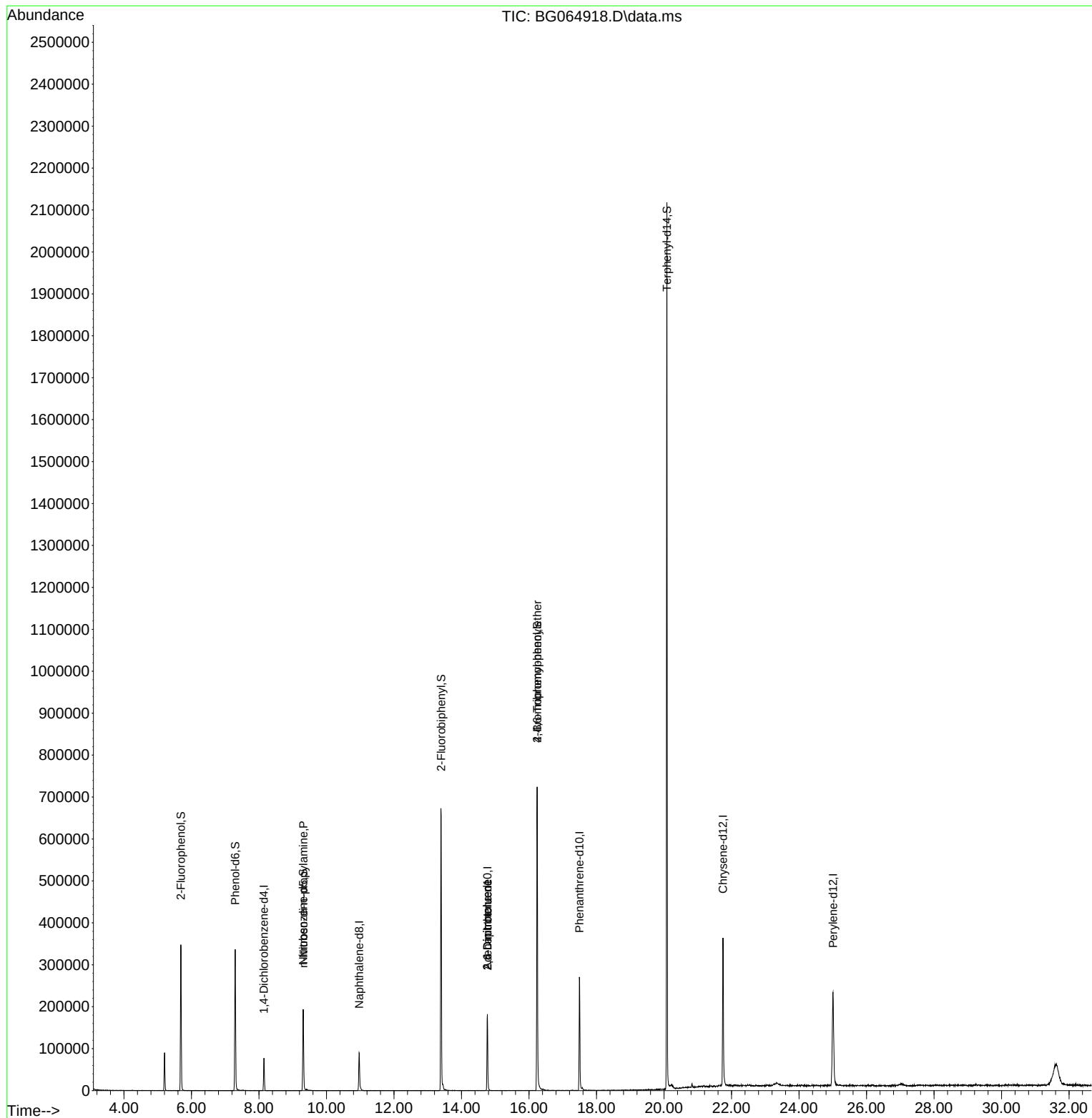
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.146	152	22318	20.000	ng	-0.02
21) Naphthalene-d8	10.966	136	87601	20.000	ng	#-0.02
39) Acenaphthene-d10	14.768	164	79184	20.000	ng	0.00
64) Phenanthrene-d10	17.494	188	204333	20.000	ng	# 0.00
76) Chrysene-d12	21.748	240	278673	20.000	ng	# 0.00
86) Perylene-d12	25.009	264	302395	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.684	112	142232	111.286	ng	-0.02
7) Phenol-d6	7.294	99	178578	105.052	ng	-0.02
23) Nitrobenzene-d5	9.309	82	114380	64.557	ng	-0.02
42) 2,4,6-Tribromophenol	16.243	330	202818	131.331	ng	0.00
45) 2-Fluorobiphenyl	13.399	172	386013	68.021	ng	0.00
79) Terphenyl-d14	20.085	244	1180137	83.303	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.315	70	16025	13.942	ng	# 68
51) 2,6-Dinitrotoluene	14.768	165	10447	8.680	ng	# 21
57) 2,4-Dinitrotoluene	14.768	165	10447	5.790	ng	# 24
67) 4-Bromophenyl-phenylether	16.243	248	11229	4.185	ng	# 1

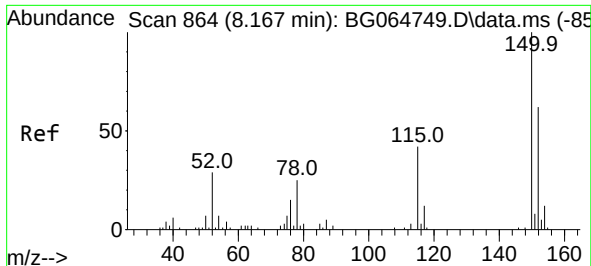
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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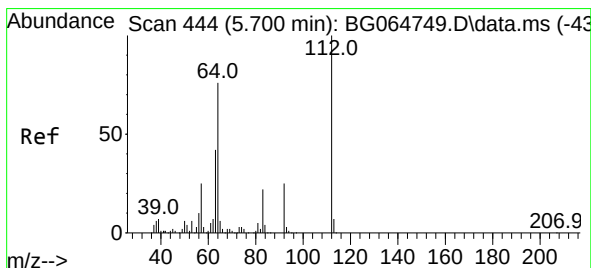
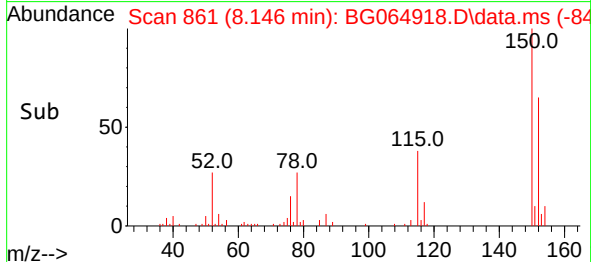
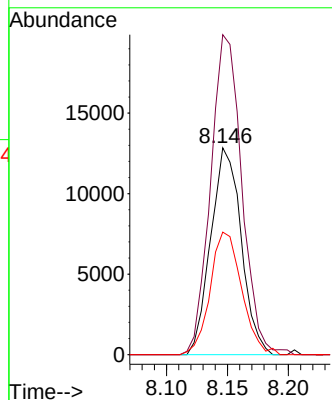
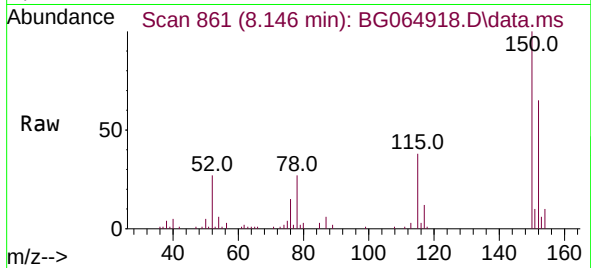




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.146 min Scan# 80
Delta R.T. -0.021 min
Lab File: BG064918.D
Acq: 10 Dec 2025 12:58

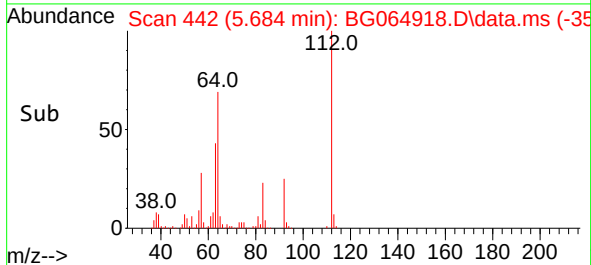
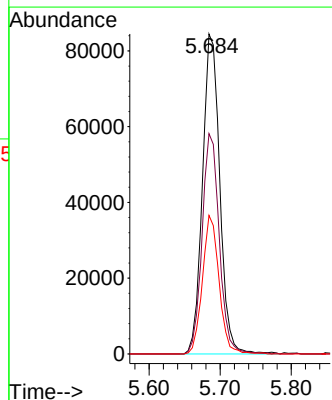
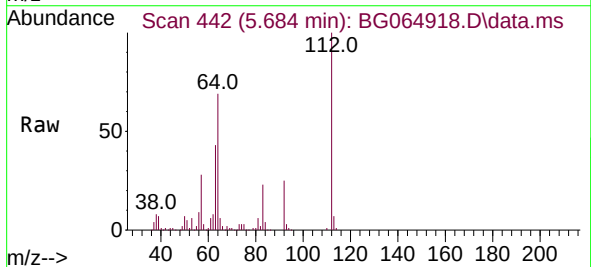
Instrument :
BNA_G
ClientSampleId :
PB170885BL

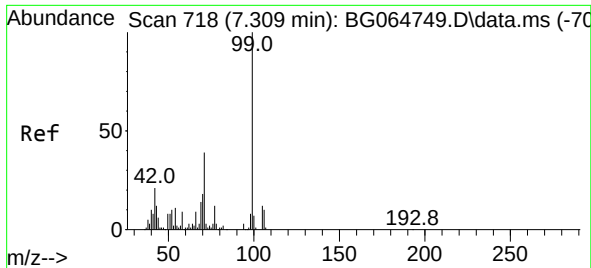
Tgt Ion:152 Resp: 22318
Ion Ratio Lower Upper
152 100
150 154.8 129.2 193.8
115 59.2 53.7 80.5



#5
2-Fluorophenol
Concen: 111.286 ng
RT: 5.684 min Scan# 442
Delta R.T. -0.015 min
Lab File: BG064918.D
Acq: 10 Dec 2025 12:58

Tgt Ion:112 Resp: 142232
Ion Ratio Lower Upper
112 100
64 68.8 61.0 91.4
63 43.3 33.3 49.9

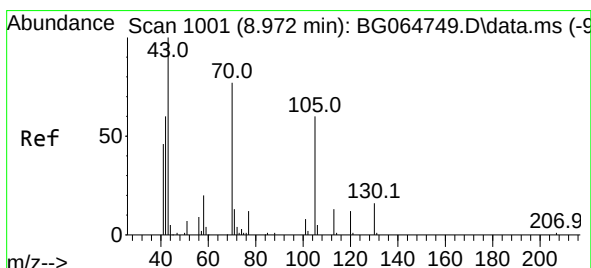
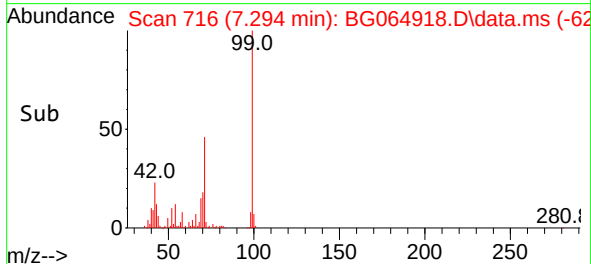
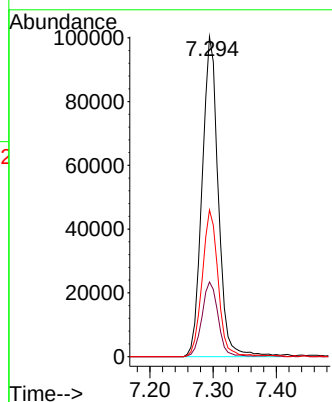
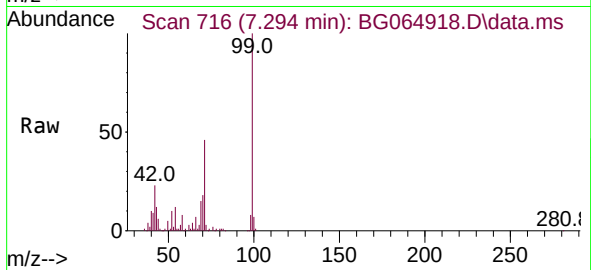




#7
Phenol-d6
Concen: 105.052 ng
RT: 7.294 min Scan# 718
Delta R.T. -0.015 min
Lab File: BG064918.D
Acq: 10 Dec 2025 12:58

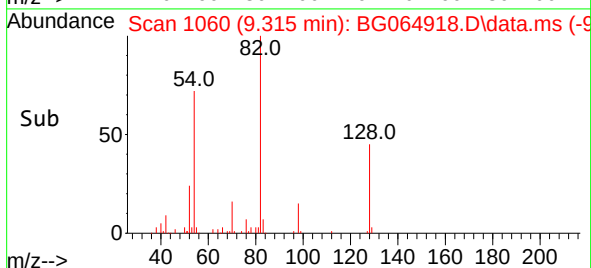
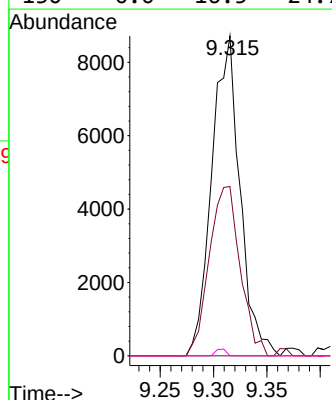
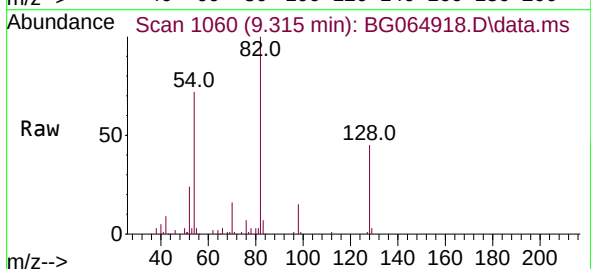
Instrument :
BNA_G
ClientSampleId :
PB170885BL

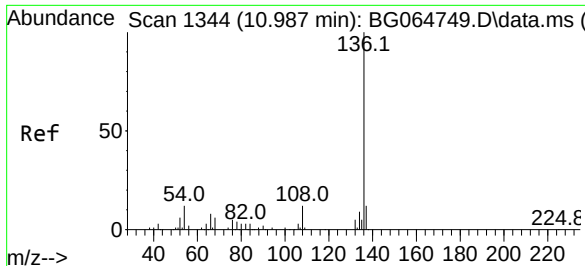
Tgt Ion: 99 Resp: 178578
Ion Ratio Lower Upper
99 100
42 23.3 16.8 25.2
71 45.8 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 13.942 ng
RT: 9.315 min Scan# 1060
Delta R.T. 0.343 min
Lab File: BG064918.D
Acq: 10 Dec 2025 12:58

Tgt Ion: 70 Resp: 16025
Ion Ratio Lower Upper
70 100
42 52.9 62.6 93.8#
101 0.0 8.0 12.0#
130 0.0 16.5 24.7#

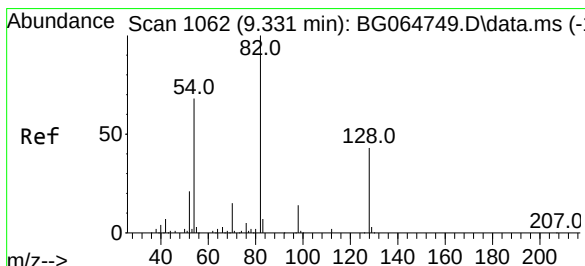
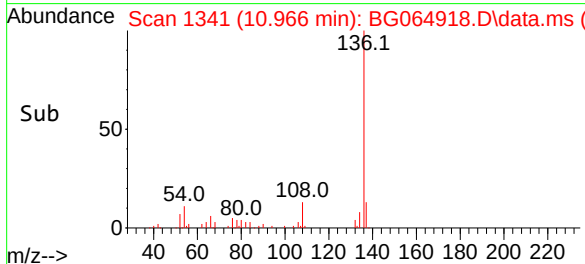
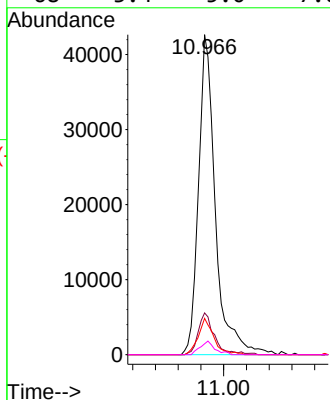
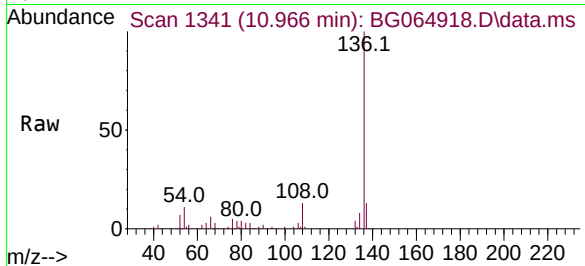




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.966 min Scan# 1344
Delta R.T. -0.021 min
Lab File: BG064918.D
Acq: 10 Dec 2025 12:58

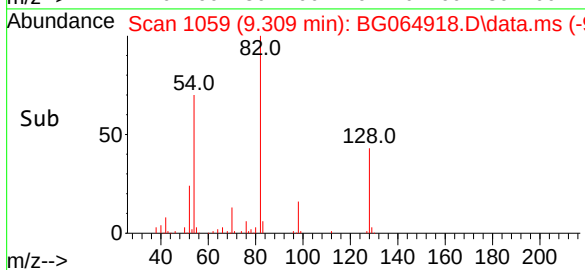
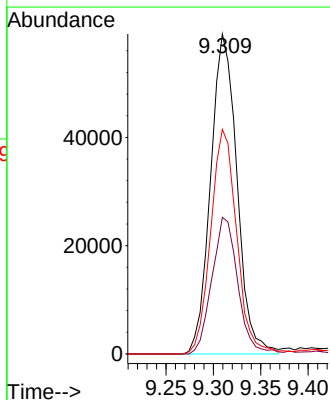
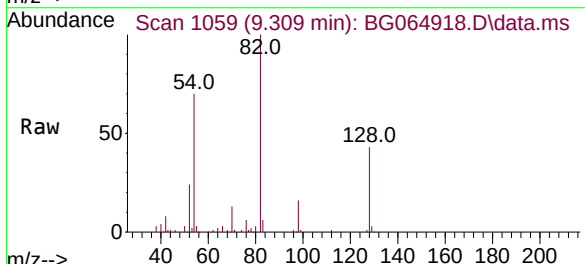
Instrument :
BNA_G
ClientSampleId :
PB170885BL

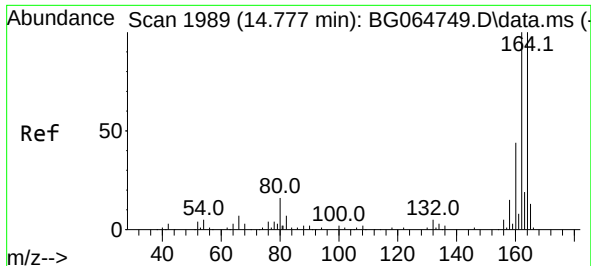
Tgt Ion:136	Resp:	87601
Ion Ratio	Lower	Upper
136	100	
137	13.0	9.3 13.9
54	11.3	9.3 13.9
68	3.4	5.0 7.6



#23
Nitrobenzene-d5
Concen: 64.557 ng
RT: 9.309 min Scan# 1059
Delta R.T. -0.021 min
Lab File: BG064918.D
Acq: 10 Dec 2025 12:58

Tgt Ion: 82	Resp:	114380
Ion Ratio	Lower	Upper
82	100	
128	42.7	34.1 51.1
54	70.2	54.3 81.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.768 min Scan# 1988

Delta R.T. -0.009 min

Lab File: BG064918.D

Acq: 10 Dec 2025 12:58

Instrument :

BNA_G

ClientSampleId :

PB170885BL

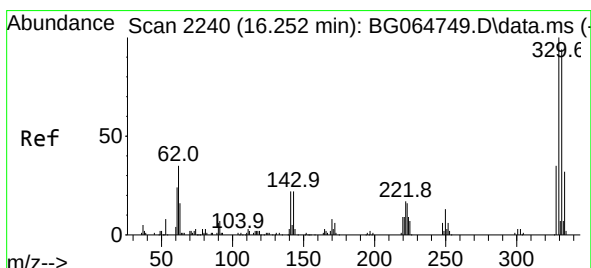
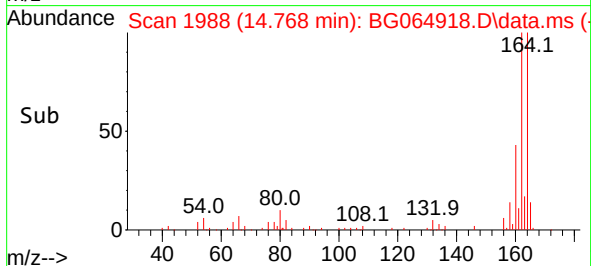
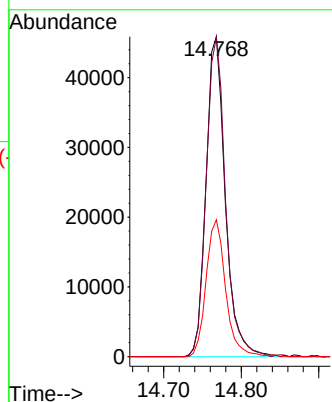
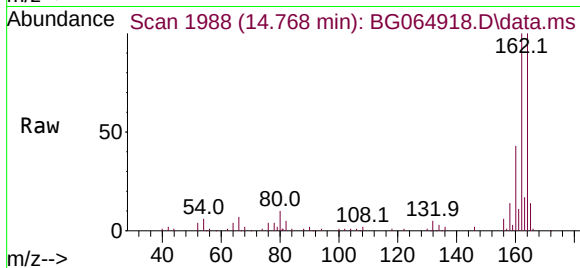
Tgt Ion:164 Resp: 79184

Ion Ratio Lower Upper

164 100

162 99.8 79.8 119.6

160 42.8 34.9 52.3



#42

2,4,6-Tribromophenol

Concen: 131.331 ng

RT: 16.243 min Scan# 2239

Delta R.T. -0.009 min

Lab File: BG064918.D

Acq: 10 Dec 2025 12:58

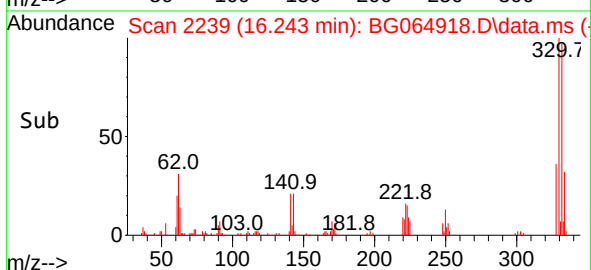
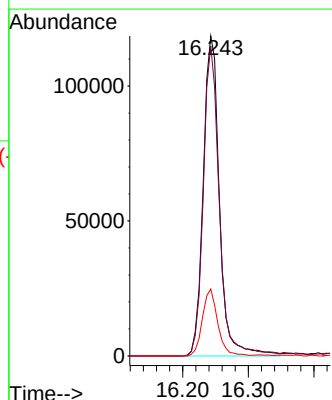
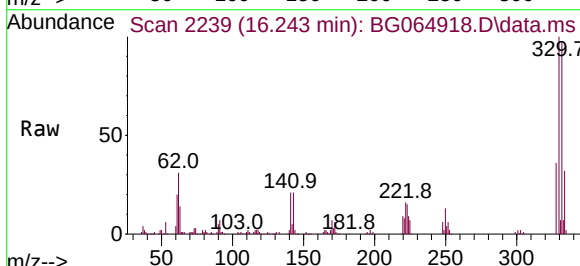
Tgt Ion:330 Resp: 202818

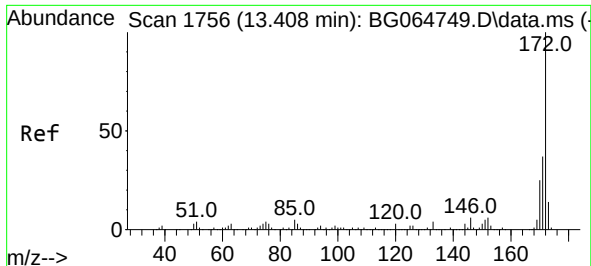
Ion Ratio Lower Upper

330 100

332 95.5 77.0 115.6

141 19.7 18.2 27.2

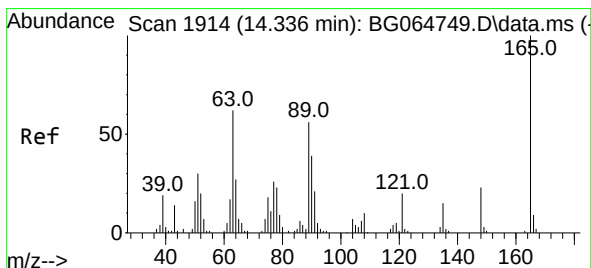
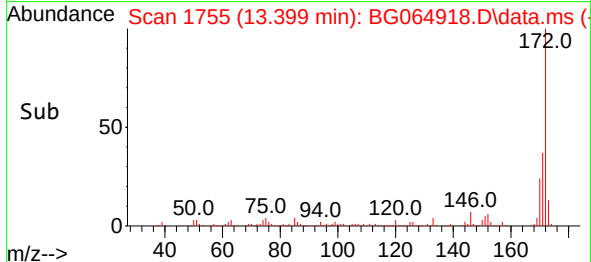
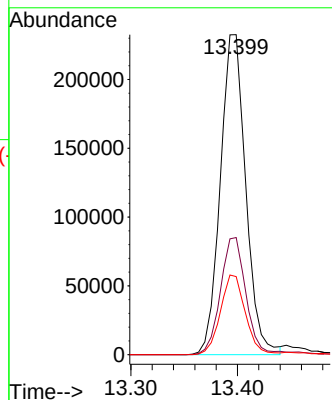
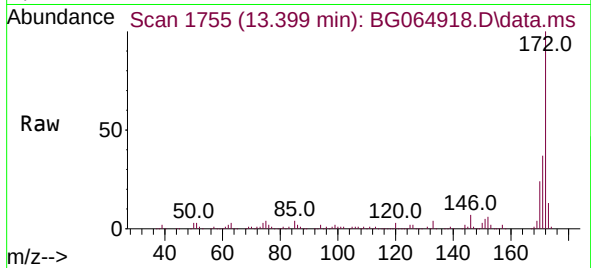




#45
2-Fluorobiphenyl
Concen: 68.021 ng
RT: 13.399 min Scan# 11
Delta R.T. -0.009 min
Lab File: BG064918.D
Acq: 10 Dec 2025 12:58

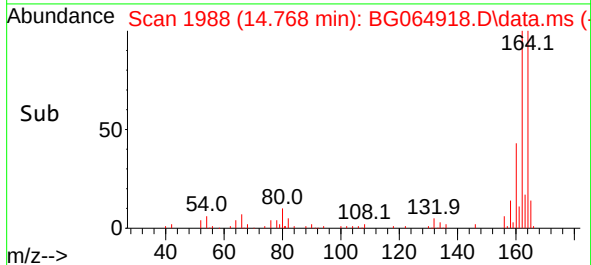
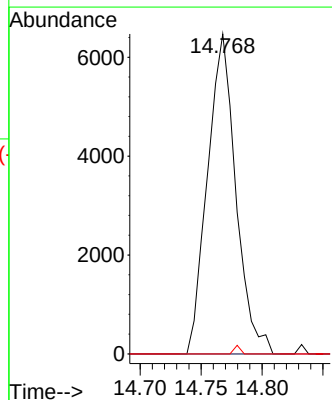
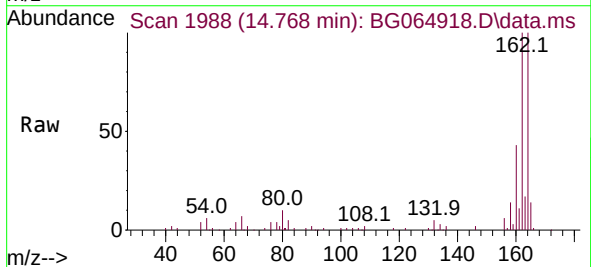
Instrument :
BNA_G
ClientSampleId :
PB170885BL

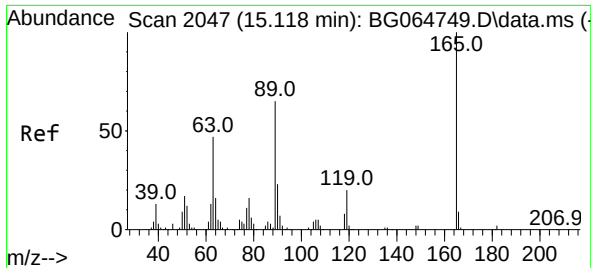
Tgt Ion:172 Resp: 386013
Ion Ratio Lower Upper
172 100
171 36.6 29.9 44.9
170 24.4 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.680 ng
RT: 14.768 min Scan# 1988
Delta R.T. 0.431 min
Lab File: BG064918.D
Acq: 10 Dec 2025 12:58

Tgt Ion:165 Resp: 10447
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#

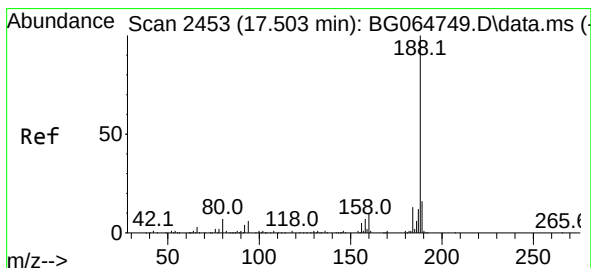
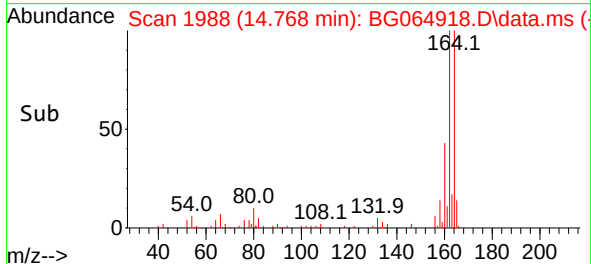
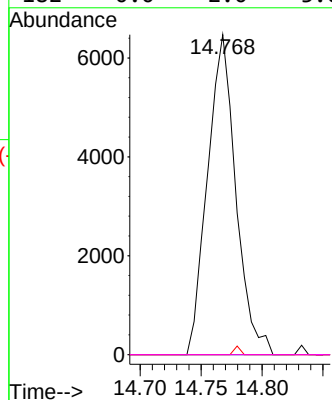
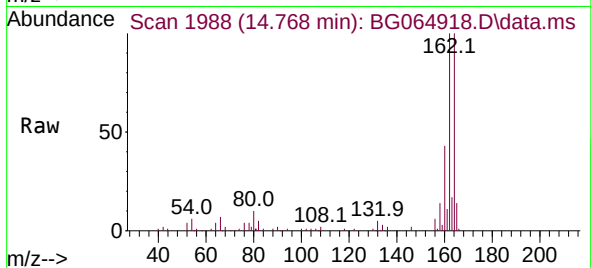




#57
2,4-Dinitrotoluene
Concen: 5.790 ng
RT: 14.768 min Scan# 19
Delta R.T. -0.350 min
Lab File: BG064918.D
Acq: 10 Dec 2025 12:58

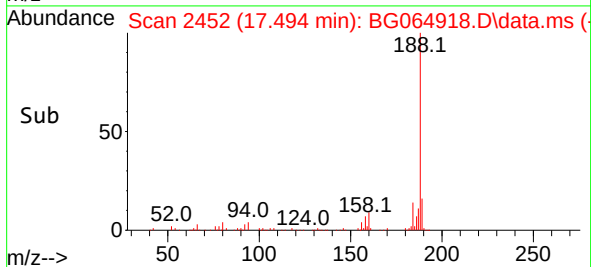
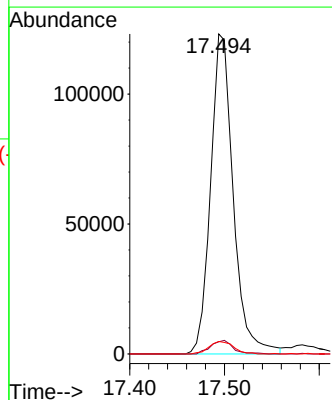
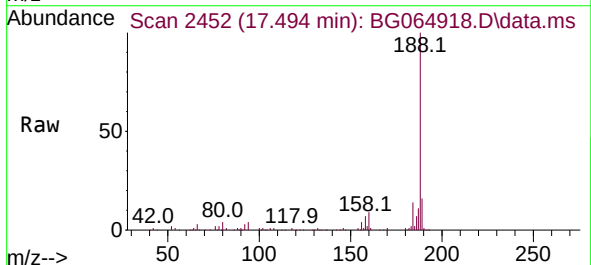
Instrument :
BNA_G
ClientSampleId :
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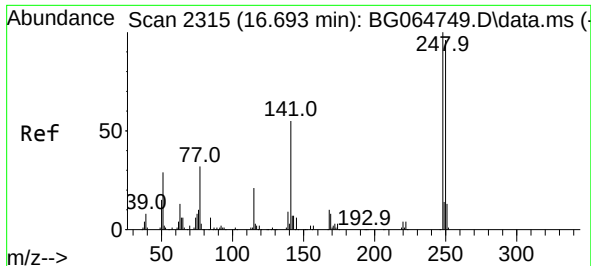
Tgt Ion:165 Resp: 10447
Ion Ratio Lower Upper
165 100
63 0.0 37.8 56.6#
89 0.0 51.6 77.4#
182 0.0 2.0 3.0#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.494 min Scan# 2452
Delta R.T. -0.009 min
Lab File: BG064918.D
Acq: 10 Dec 2025 12:58

Tgt Ion:188 Resp: 204333
Ion Ratio Lower Upper
188 100
94 3.8 4.7 7.1#
80 3.9 5.4 8.2#

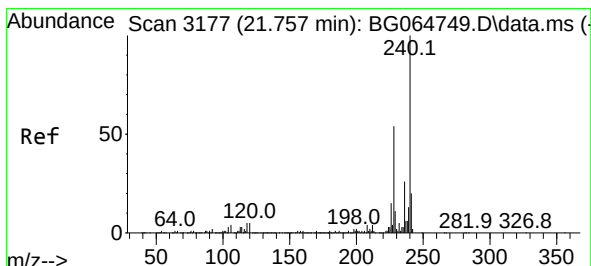
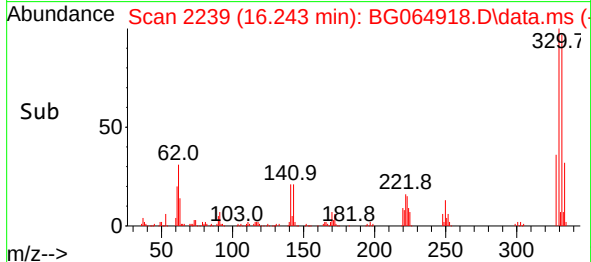
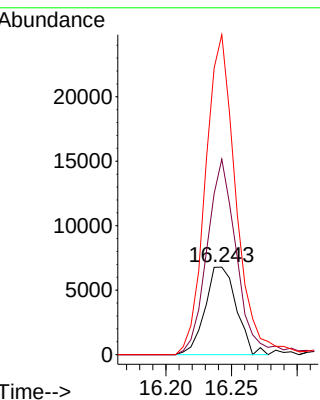
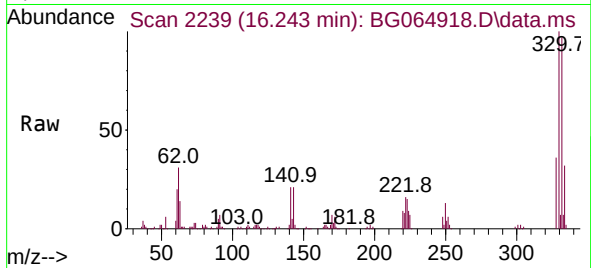




#67
4-Bromophenyl-phenylether
Concen: 4.185 ng
RT: 16.243 min Scan# 211
Delta R.T. -0.450 min
Lab File: BG064918.D
Acq: 10 Dec 2025 12:58

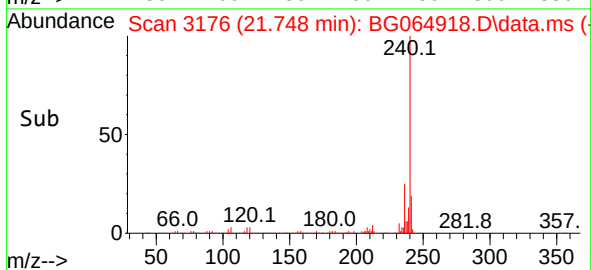
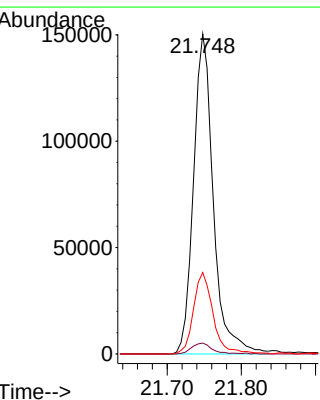
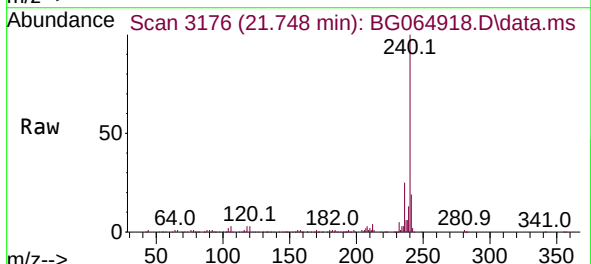
Instrument :
BNA_G
ClientSampleId :
PB170885BL

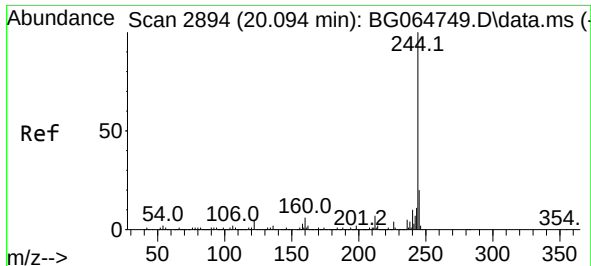
Tgt Ion:248 Resp: 11229
Ion Ratio Lower Upper
248 100
250 224.9 77.0 115.6#
141 281.5 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.748 min Scan# 3176
Delta R.T. -0.009 min
Lab File: BG064918.D
Acq: 10 Dec 2025 12:58

Tgt Ion:240 Resp: 278673
Ion Ratio Lower Upper
240 100
120 3.4 4.2 6.4#
236 25.4 20.8 31.2

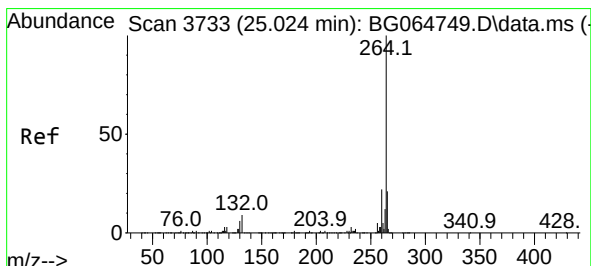
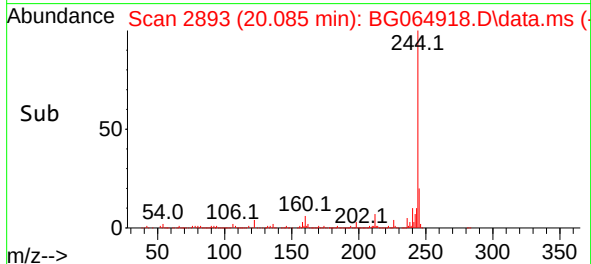
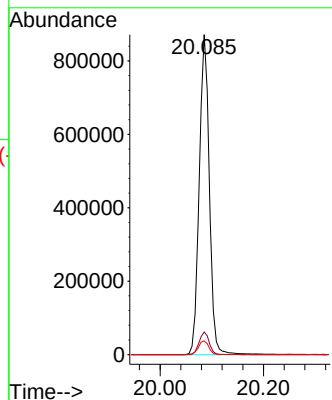
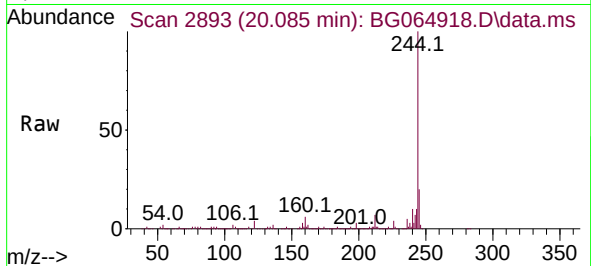




#79
 Terphenyl-d14
 Concen: 83.303 ng
 RT: 20.085 min Scan# 2893
 Delta R.T. -0.009 min
 Lab File: BG064918.D
 Acq: 10 Dec 2025 12:58

Instrument :
 BNA_G
 ClientSampleId :
 PB170885BL

Tgt Ion:244 Resp: 1180137
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.8 8.6
 122 4.3 4.3 6.5#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.009 min Scan# 3731
 Delta R.T. -0.015 min
 Lab File: BG064918.D
 Acq: 10 Dec 2025 12:58

Tgt Ion:264 Resp: 302395
 Ion Ratio Lower Upper
 264 100
 260 23.3 17.2 25.8
 265 22.2 16.6 25.0

