

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
 Data File : BG064942.D
 Acq On : 11 Dec 2025 20:18
 Operator : RC/JU
 Sample : Q3814-10
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 11 22:43:41 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)

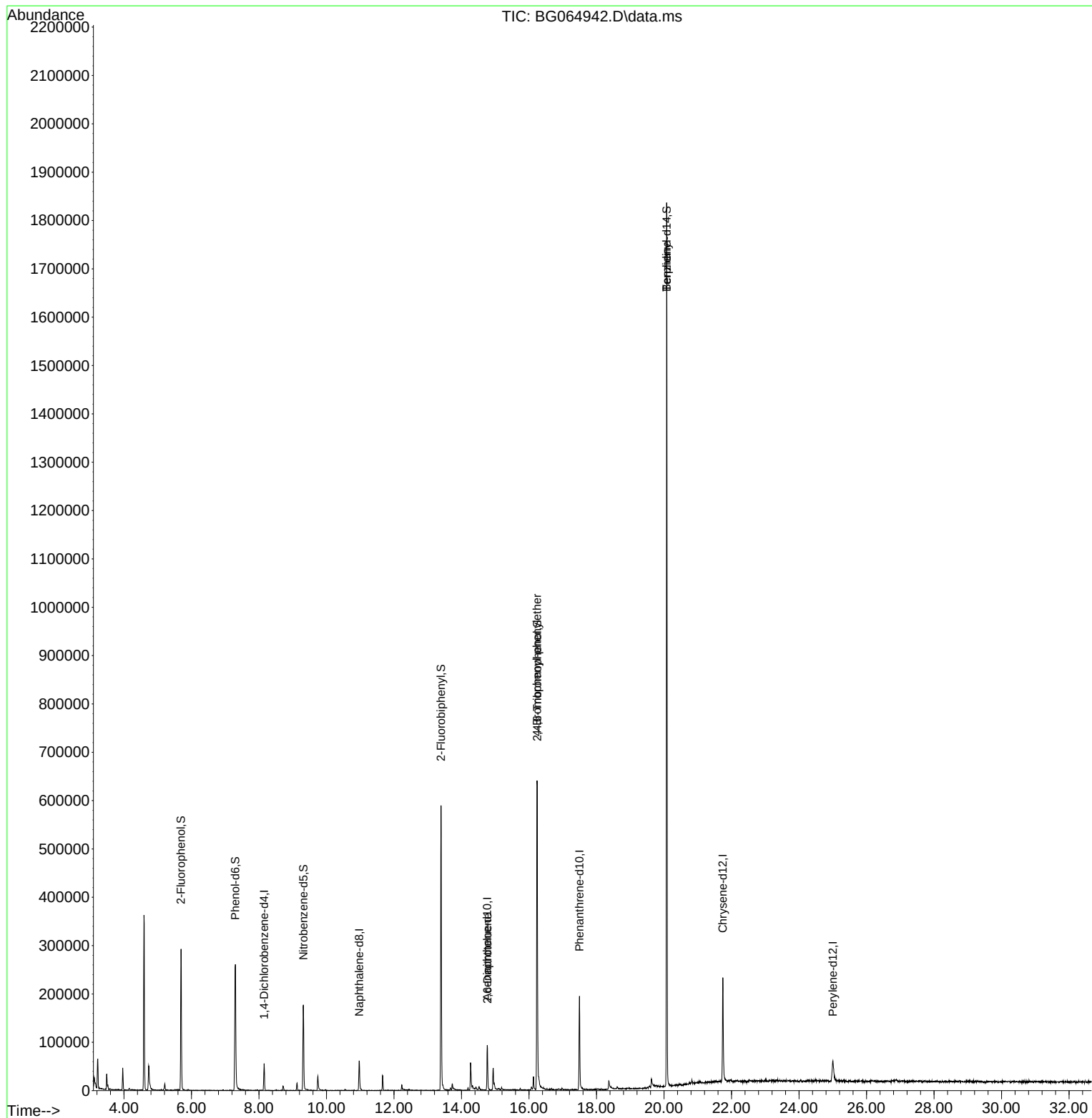
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	16628	20.000	ng	#-0.01
21) Naphthalene-d8	10.967	136	58730	20.000	ng	#-0.02
39) Acenaphthene-d10	14.762	164	37265	20.000	ng	-0.01
64) Phenanthrene-d10	17.495	188	137078	20.000	ng	# 0.00
76) Chrysene-d12	21.743	240	154389	20.000	ng	#-0.01
86) Perylene-d12	25.003	264	45382	20.000	ng	#-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	117967	123.885	ng	0.00
7) Phenol-d6	7.301	99	118181	93.313	ng	0.00
23) Nitrobenzene-d5	9.316	82	102534	86.320	ng	-0.01
42) 2,4,6-Tribromophenol	16.243	330	184486	253.839	ng	0.00
45) 2-Fluorobiphenyl	13.394	172	342859	128.379	ng	-0.01
79) Terphenyl-d14	20.080	244	993486	126.581	ng	-0.01
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.768	165	4873	8.603	ng	# 21
67) 4-Bromophenyl-phenylether	16.237	248	10826	6.014	ng	# 1
77) Benzydine	20.080	184	14441	3.123	ng	# 91

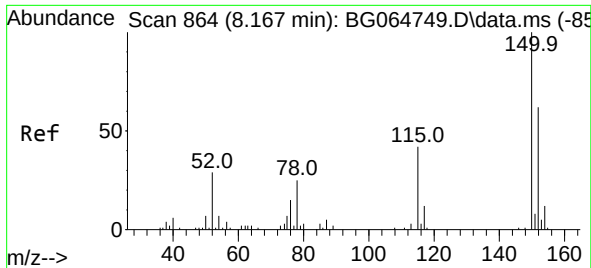
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121125\
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Misc :
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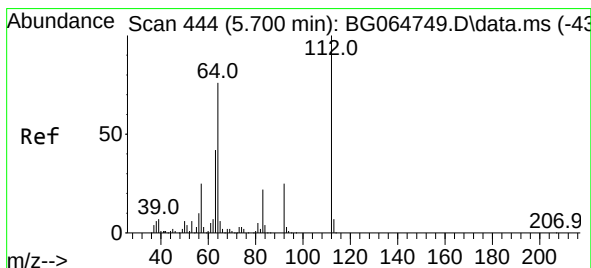
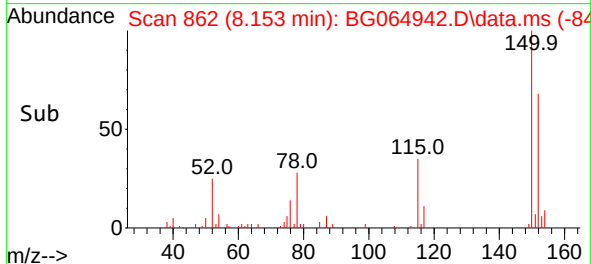
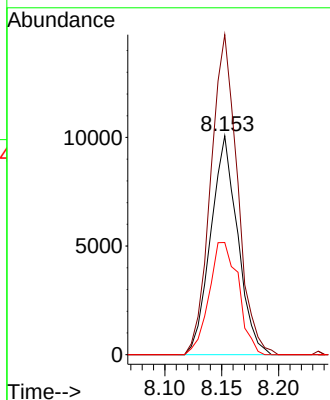
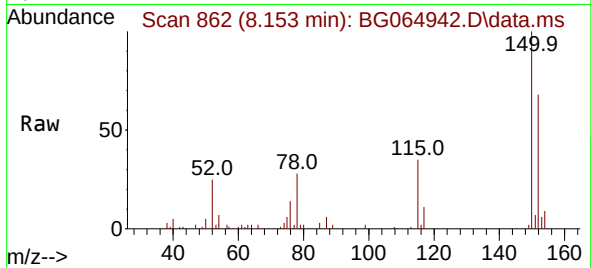




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 80
Delta R.T. -0.014 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

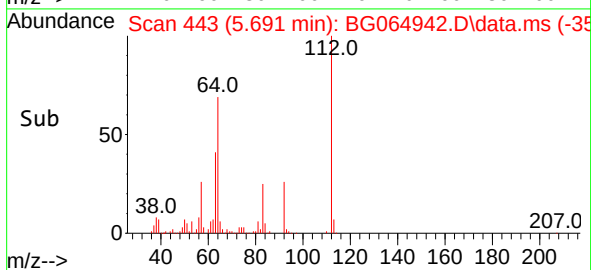
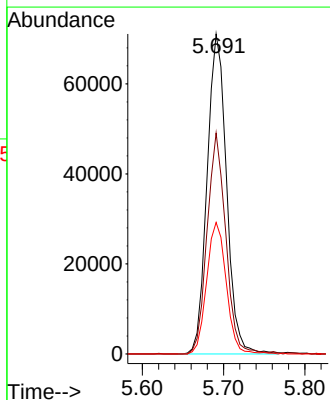
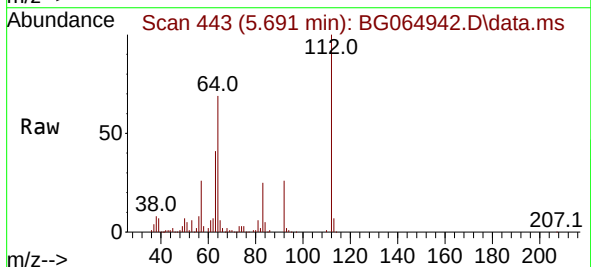
Instrument :
BNA_G
ClientSampleId :

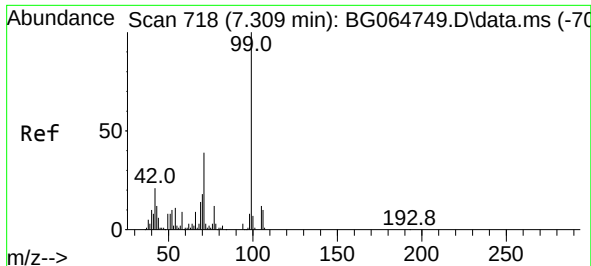
Tgt Ion:152 Resp: 16628
Ion Ratio Lower Upper
152 100
150 146.2 129.2 193.8
115 51.3 53.7 80.5#



#5
2-Fluorophenol
Concen: 123.885 ng
RT: 5.691 min Scan# 443
Delta R.T. -0.009 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

Tgt Ion:112 Resp: 117967
Ion Ratio Lower Upper
112 100
64 69.0 61.0 91.4
63 41.1 33.3 49.9

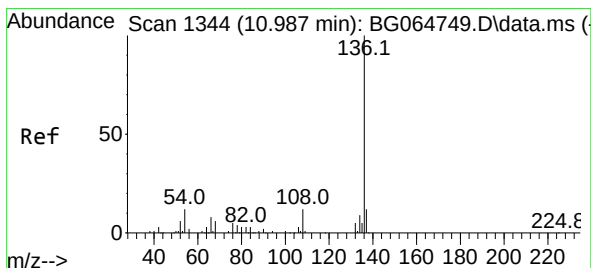
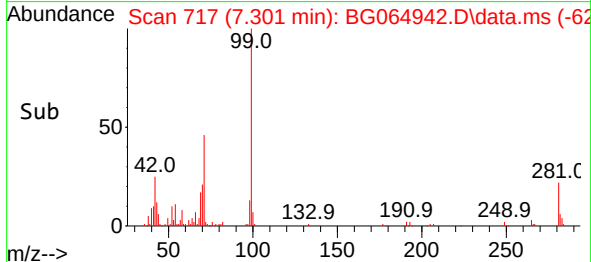
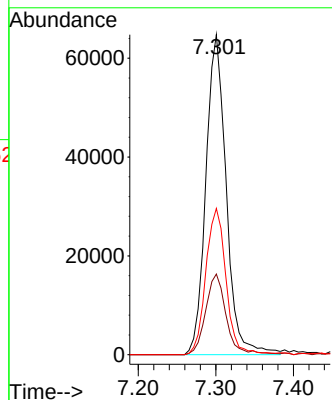
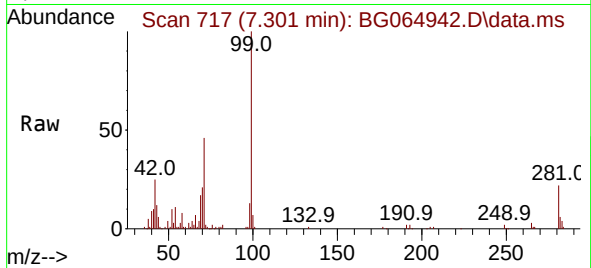




#7
Phenol-d6
Concen: 93.313 ng
RT: 7.301 min Scan# 717
Delta R.T. -0.009 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

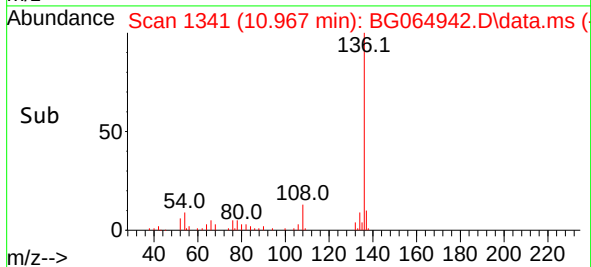
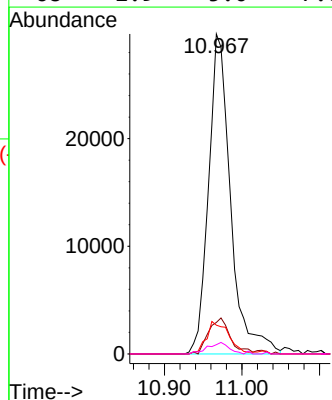
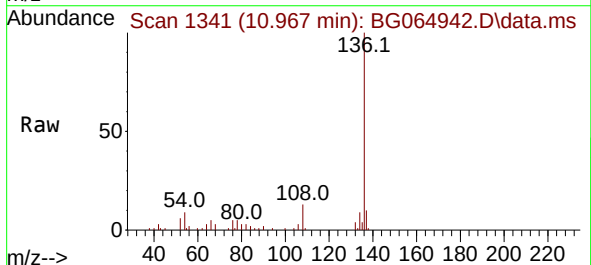
Instrument :
BNA_G
ClientSampleId :

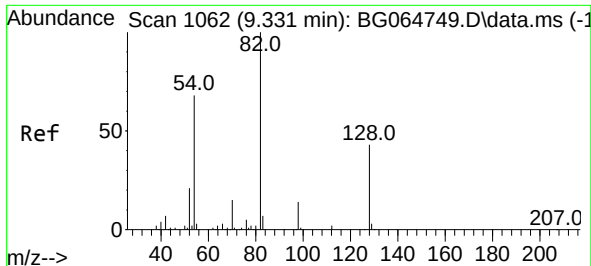
Tgt Ion: 99 Resp: 118181
Ion Ratio Lower Upper
99 100
42 25.2 16.8 25.2#
71 45.7 31.1 46.7



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.967 min Scan# 1341
Delta R.T. -0.020 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

Tgt Ion: 136 Resp: 58730
Ion Ratio Lower Upper
136 100
137 9.8 9.3 13.9
54 9.0 9.3 13.9#
68 2.9 5.0 7.6#

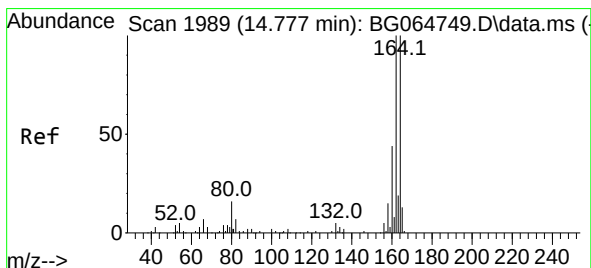
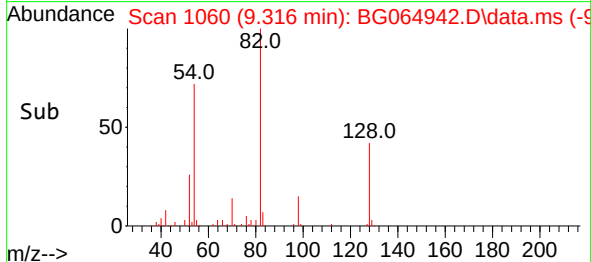
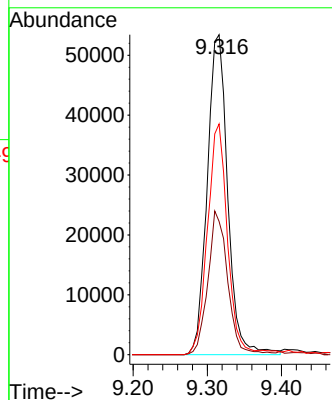
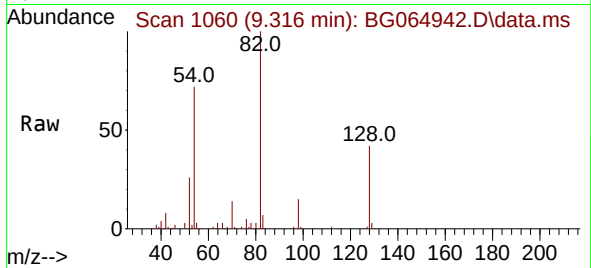




#23
Nitrobenzene-d5
Concen: 86.320 ng
RT: 9.316 min Scan# 1060
Delta R.T. -0.015 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

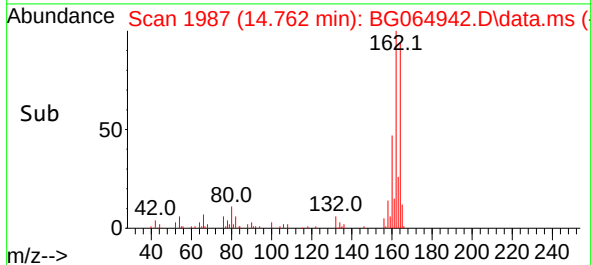
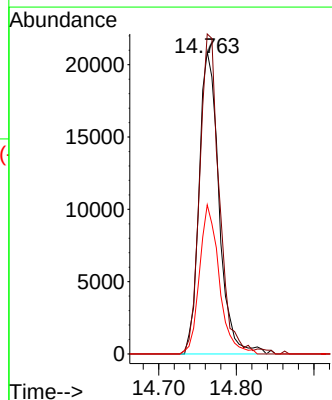
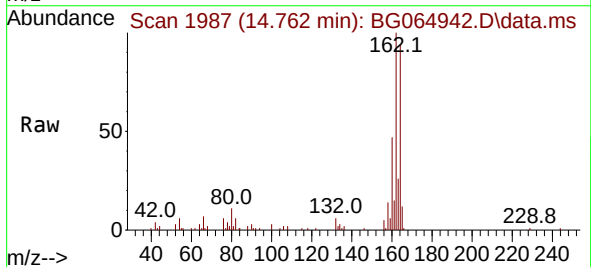
Instrument :
BNA_G
ClientSampleId :

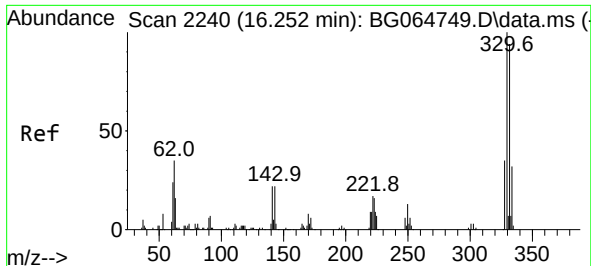
Tgt Ion: 82 Resp: 102534
Ion Ratio Lower Upper
82 100
128 41.7 34.1 51.1
54 72.1 54.3 81.5



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.762 min Scan# 1987
Delta R.T. -0.015 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

Tgt Ion:164 Resp: 37265
Ion Ratio Lower Upper
164 100
162 105.9 79.8 119.6
160 49.3 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 253.839 ng

RT: 16.243 min Scan# 21

Delta R.T. -0.009 min

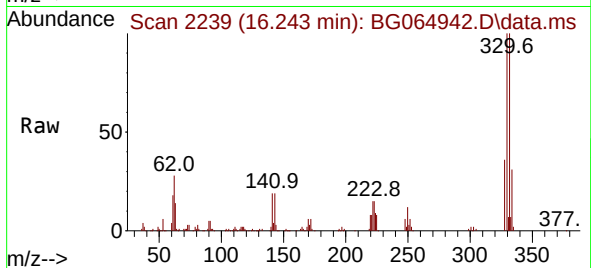
Lab File: BG064942.D

Acq: 11 Dec 2025 20:18

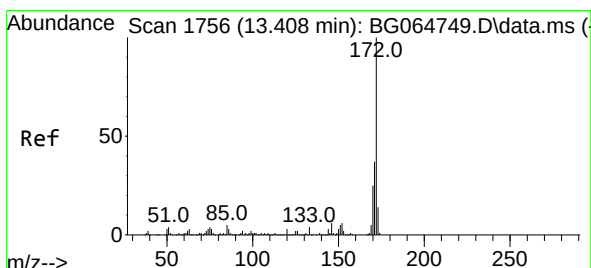
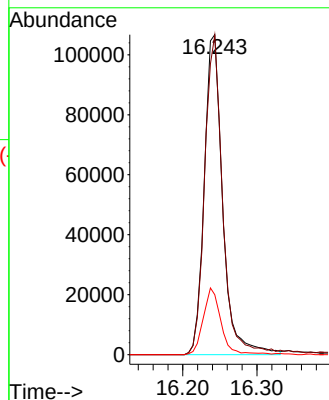
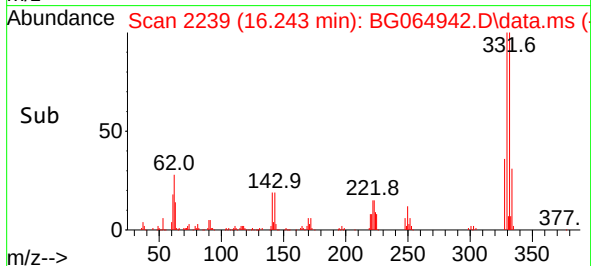
Instrument :

BNA_G

ClientSampleId :



Tgt Ion:	330	Resp:	184486
Ion Ratio	Lower	Upper	
330	100		
332	98.9	77.0	115.6
141	20.1	18.2	27.2



#45

2-Fluorobiphenyl

Concen: 128.379 ng

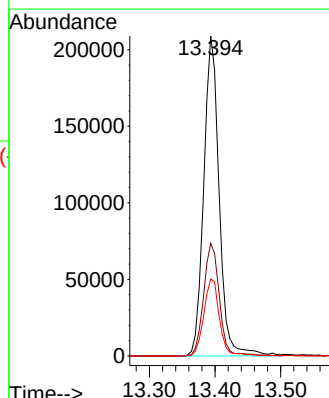
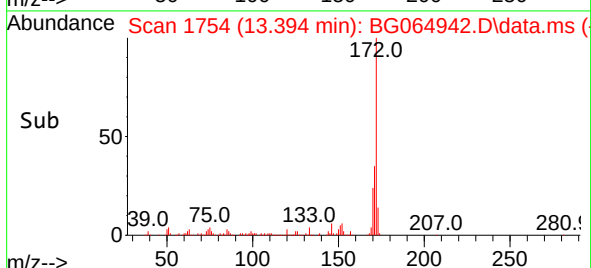
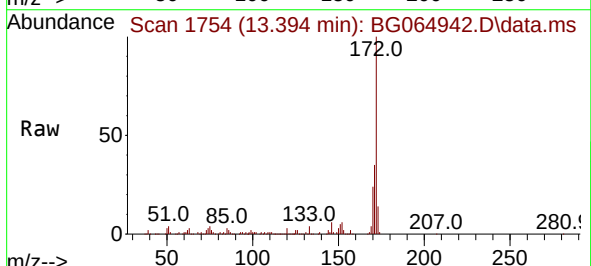
RT: 13.394 min Scan# 1754

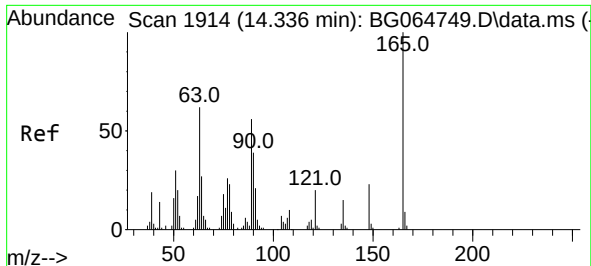
Delta R.T. -0.015 min

Lab File: BG064942.D

Acq: 11 Dec 2025 20:18

Tgt Ion:	172	Resp:	342859
Ion Ratio	Lower	Upper	
172	100		
171	35.2	29.9	44.9
170	24.1	19.8	29.6





#51

2,6-Dinitrotoluene

Concen: 8.603 ng

RT: 14.768 min Scan# 1914

Delta R.T. 0.432 min

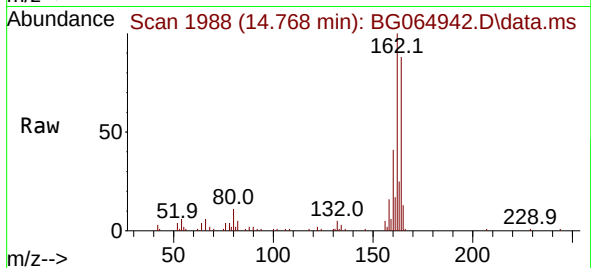
Lab File: BG064942.D

Acq: 11 Dec 2025 20:18

Instrument :

BNA_G

ClientSampleId :



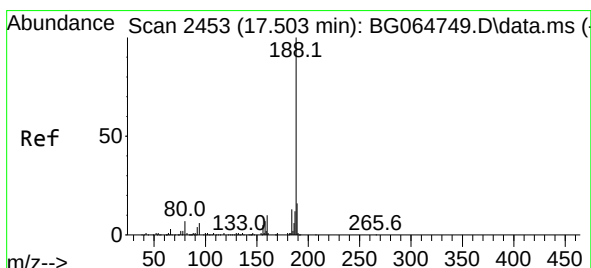
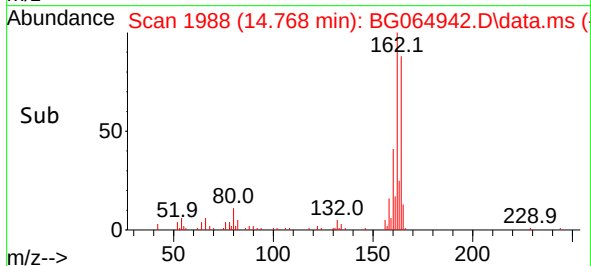
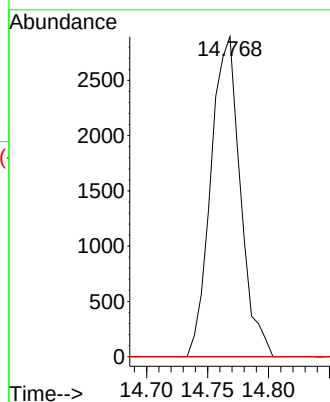
Tgt Ion:165 Resp: 4873

Ion Ratio Lower Upper

165 100

63 0.0 49.8 74.8#

89 0.0 45.0 67.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.495 min Scan# 2452

Delta R.T. -0.009 min

Lab File: BG064942.D

Acq: 11 Dec 2025 20:18

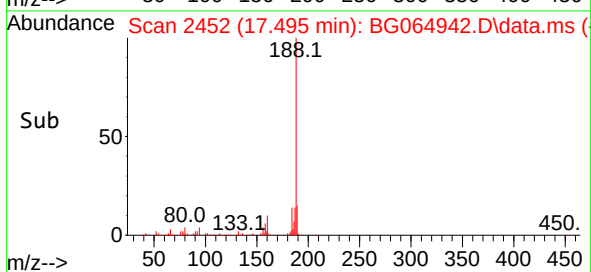
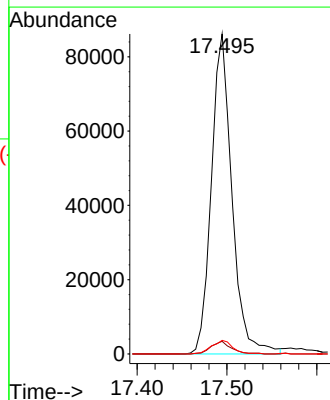
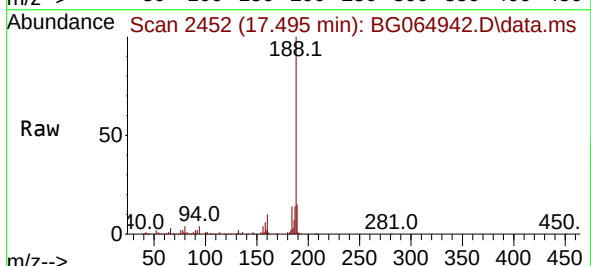
Tgt Ion:188 Resp: 137078

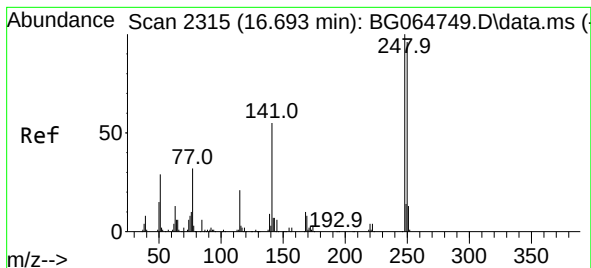
Ion Ratio Lower Upper

188 100

94 3.9 4.7 7.1#

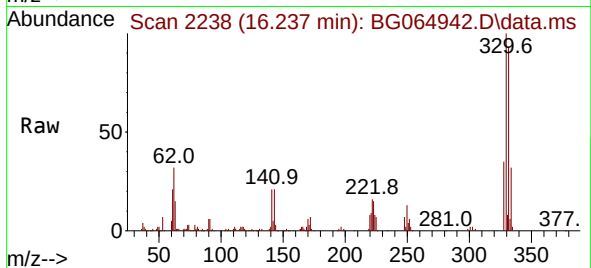
80 4.3 5.4 8.2#



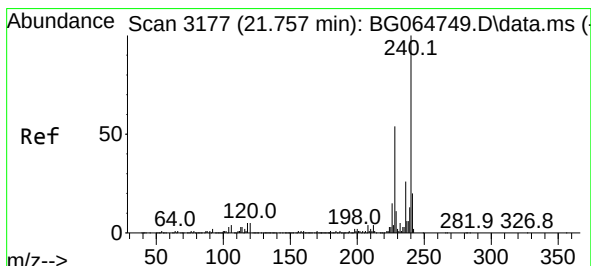
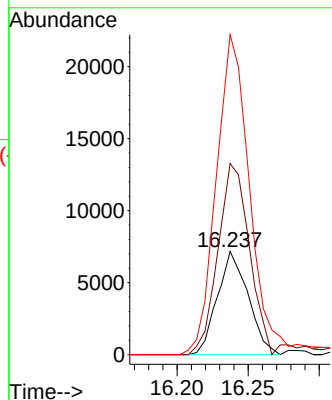
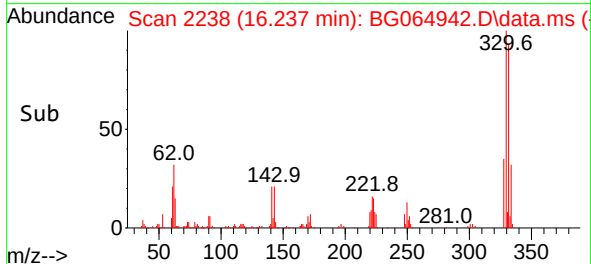


#67
4-Bromophenyl-phenylether
Concen: 6.014 ng
RT: 16.237 min Scan# 21
Delta R.T. -0.455 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

Instrument :
BNA_G
ClientSampleId :

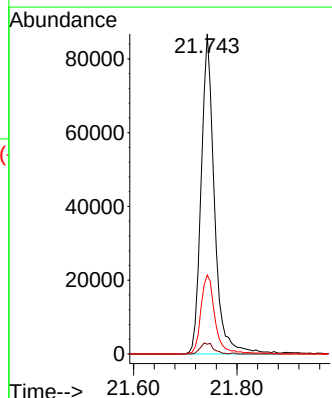
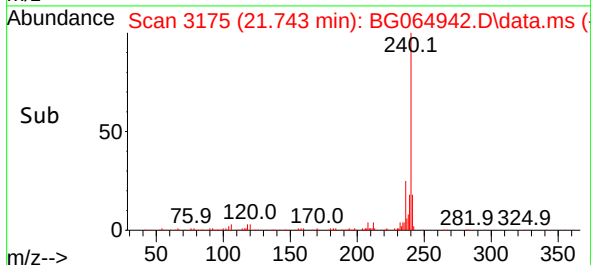
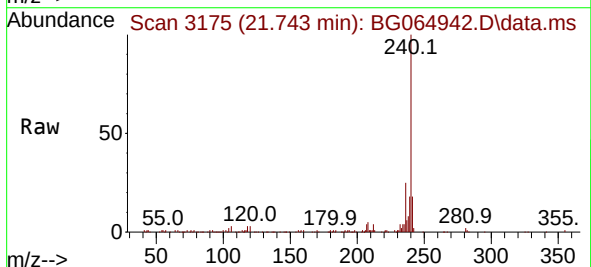


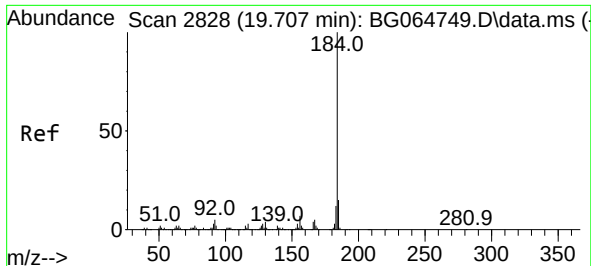
Tgt Ion:248 Resp: 10826
Ion Ratio Lower Upper
248 100
250 142.5 77.0 115.6#
141 238.4 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.743 min Scan# 3175
Delta R.T. -0.015 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

Tgt Ion:240 Resp: 154389
Ion Ratio Lower Upper
240 100
120 3.0 4.2 6.4#
236 24.6 20.8 31.2

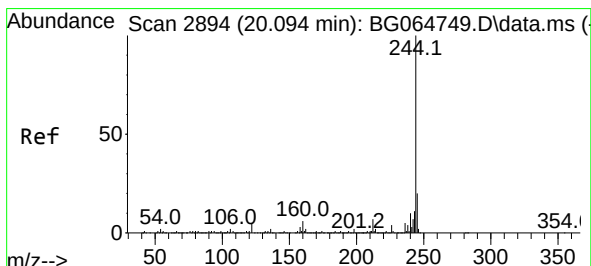
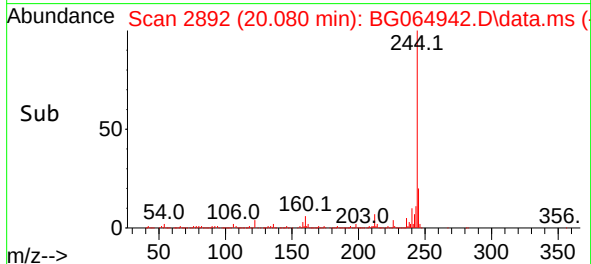
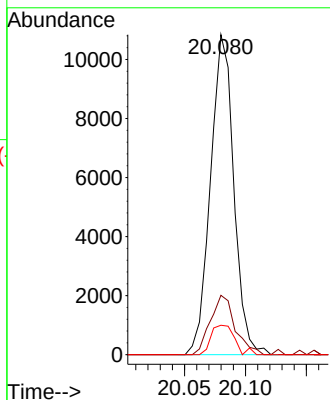
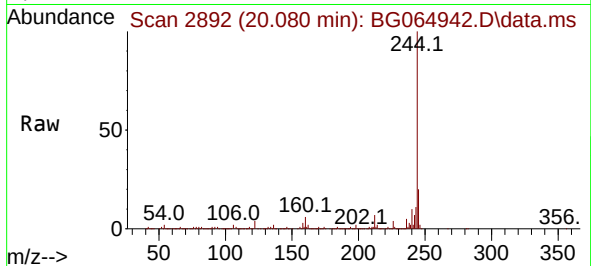




#77
Benzidine
Concen: 3.123 ng
RT: 20.080 min Scan# 2892
Delta R.T. 0.373 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

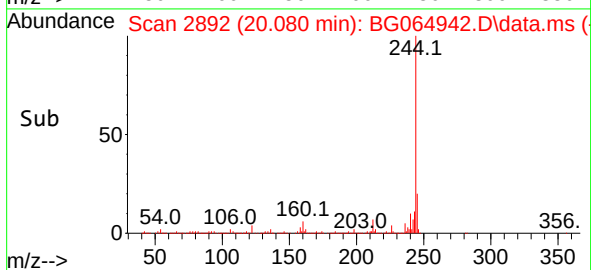
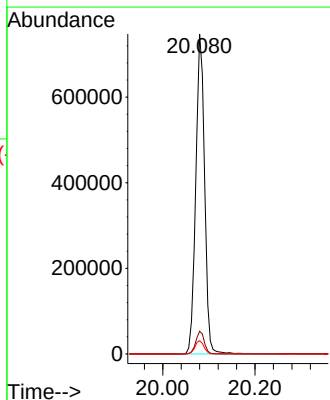
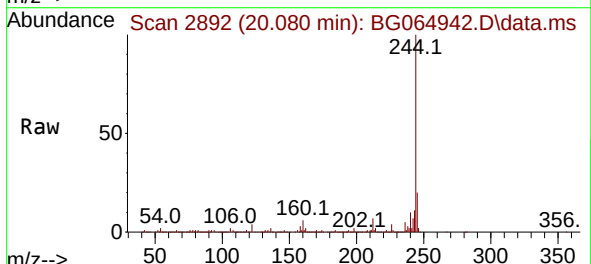
Instrument :
BNA_G
ClientSampleId :

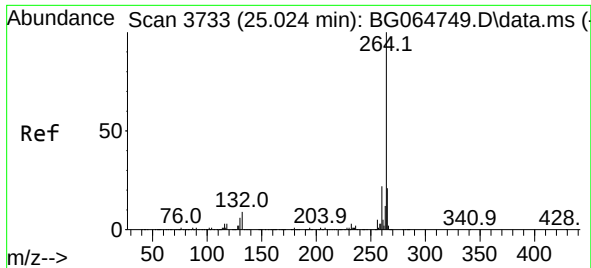
Tgt Ion:184 Resp: 14441
Ion Ratio Lower Upper
184 100
185 18.5 11.8 17.6#
183 9.2 9.8 14.6#



#79
Terphenyl-d14
Concen: 126.581 ng
RT: 20.080 min Scan# 2892
Delta R.T. -0.015 min
Lab File: BG064942.D
Acq: 11 Dec 2025 20:18

Tgt Ion:244 Resp: 993486
Ion Ratio Lower Upper
244 100
212 7.1 5.8 8.6
122 4.1 4.3 6.5#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.003 min Scan# 31
 Delta R.T. -0.021 min
 Lab File: BG064942.D
 Acq: 11 Dec 2025 20:18

Instrument :
 BNA_G
 ClientSampleId :

Tgt Ion:264 Resp: 45382
 Ion Ratio Lower Upper
 264 100
 260 26.0 17.2 25.8#
 265 24.0 16.6 25.0

