

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121025\
 Data File : BG064924.D
 Acq On : 10 Dec 2025 17:10
 Operator : RC/JU
 Sample : Q3814-09
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9

Quant Time: Dec 10 17:53:39 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)

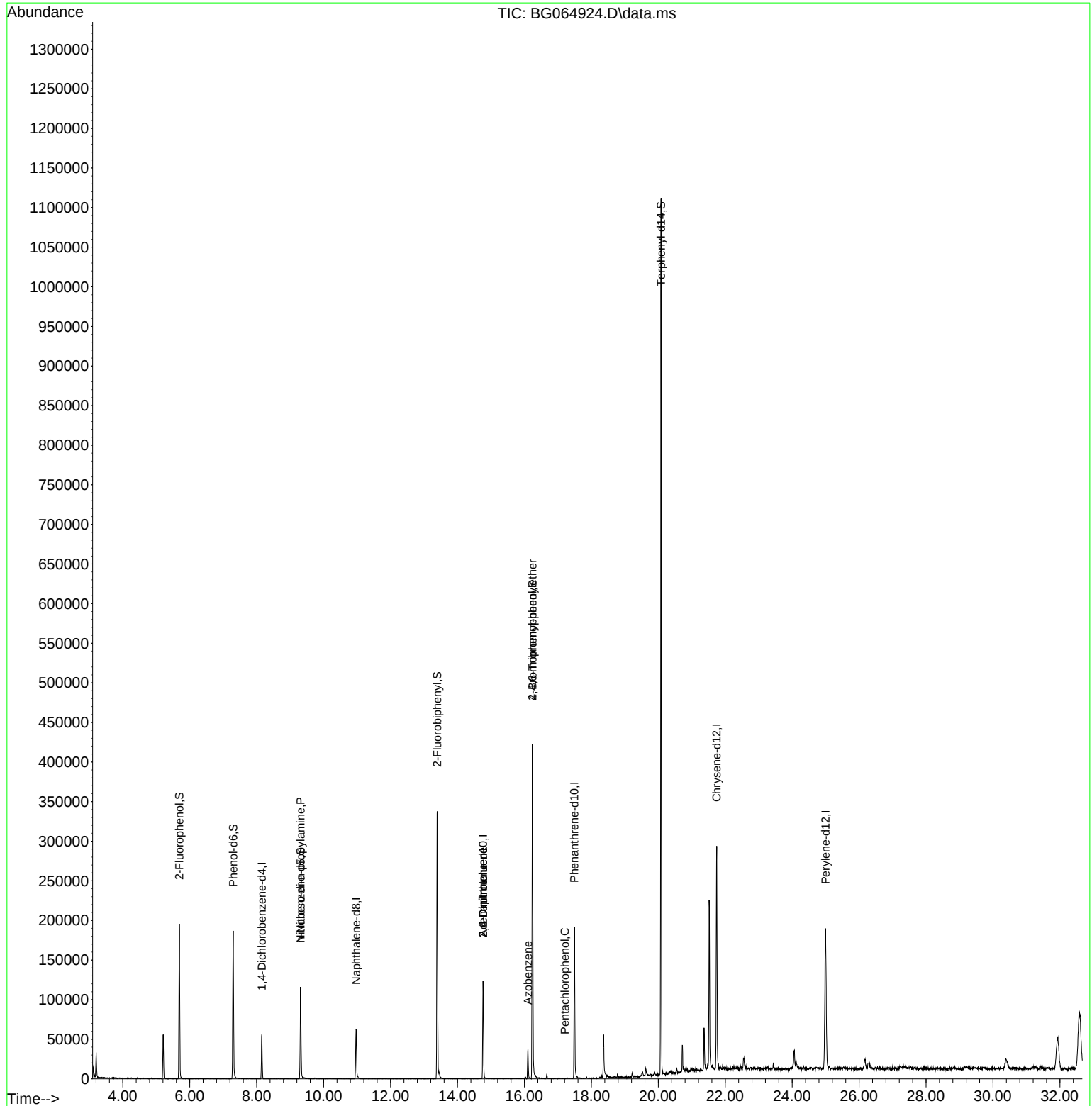
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.155	152	16859	20.000	ng	-0.01
21) Naphthalene-d8	10.969	136	60335	20.000	ng	#-0.02
39) Acenaphthene-d10	14.765	164	51887	20.000	ng	-0.01
64) Phenanthrene-d10	17.491	188	145824	20.000	ng	#-0.01
76) Chrysene-d12	21.745	240	207077	20.000	ng	#-0.01
86) Perylene-d12	24.994	264	229032	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.687	112	80518	83.399	ng	-0.01
7) Phenol-d6	7.297	99	101391	78.959	ng	-0.01
23) Nitrobenzene-d5	9.312	82	66251	54.291	ng	-0.02
42) 2,4,6-Tribromophenol	16.239	330	117581	116.192	ng	-0.01
45) 2-Fluorobiphenyl	13.396	172	203661	54.768	ng	-0.01
79) Terphenyl-d14	20.082	244	609411	57.890	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.312	70	9548	10.997	ng	# 70
51) 2,6-Dinitrotoluene	14.765	165	7242	9.182	ng	# 21
57) 2,4-Dinitrotoluene	14.765	165	7242	6.125	ng	# 24
63) Azobenzene	16.104	77	11601	3.552	ng	# 1
67) 4-Bromophenyl-phenylether	16.239	248	6672	3.484	ng	# 1
70) Pentachlorophenol	17.209	266	60	6.183	ng	# 16

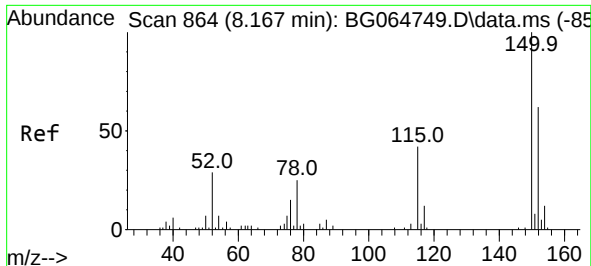
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

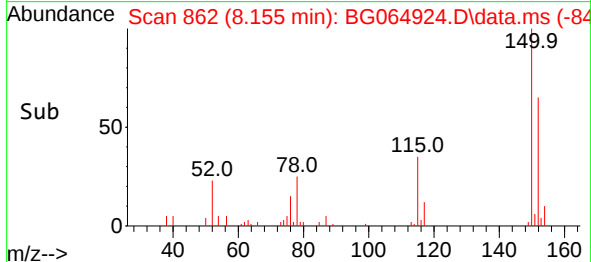
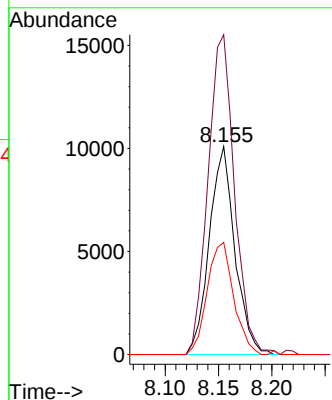
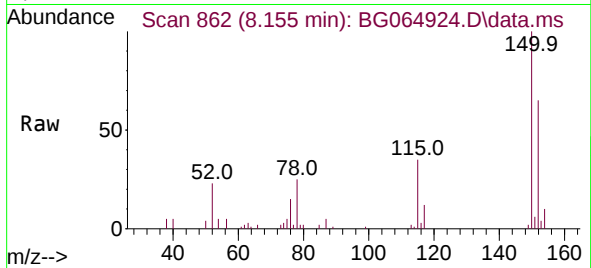




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.155 min Scan# 862
Delta R.T. -0.012 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

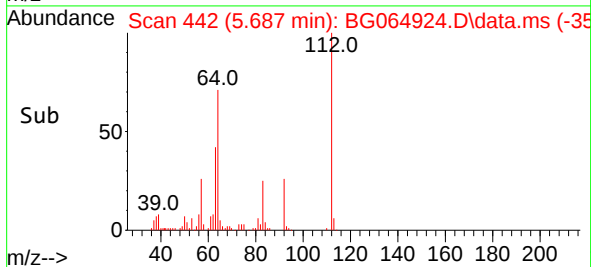
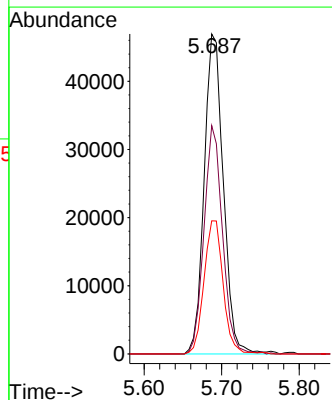
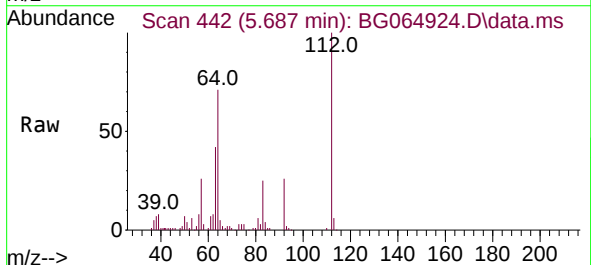
Instrument :
BNA_G
ClientSampleId :
TP-9

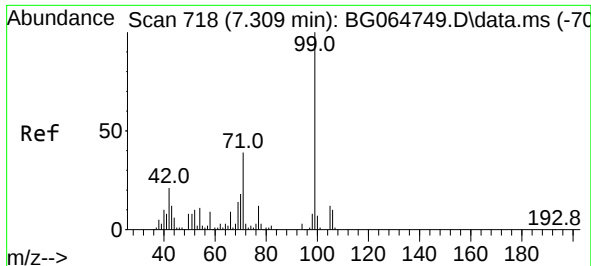
Tgt Ion:152 Resp: 16859
Ion Ratio Lower Upper
152 100
150 153.8 129.2 193.8
115 53.9 53.7 80.5



#5
2-Fluorophenol
Concen: 83.399 ng
RT: 5.687 min Scan# 442
Delta R.T. -0.012 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

Tgt Ion:112 Resp: 80518
Ion Ratio Lower Upper
112 100
64 71.3 61.0 91.4
63 41.6 33.3 49.9

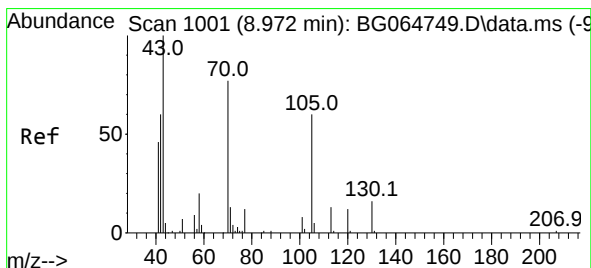
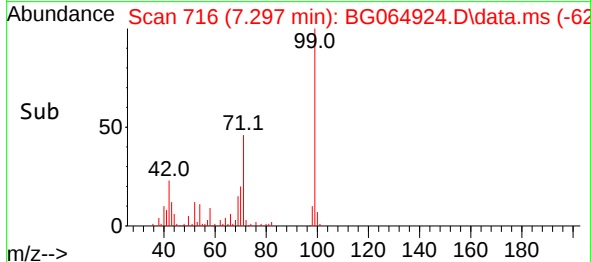
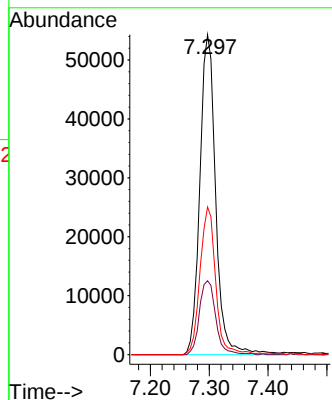
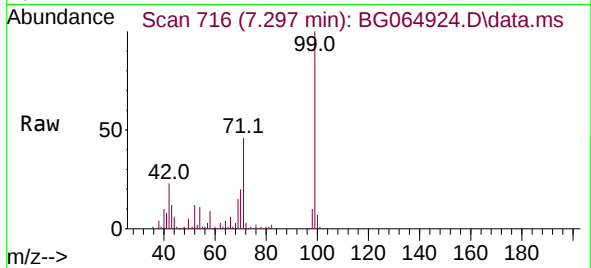




#7
Phenol-d6
Concen: 78.959 ng
RT: 7.297 min Scan# 718
Delta R.T. -0.012 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

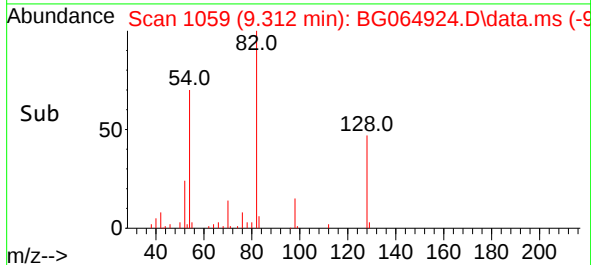
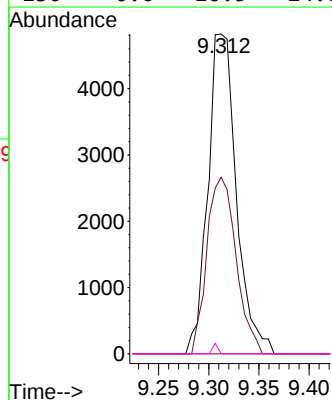
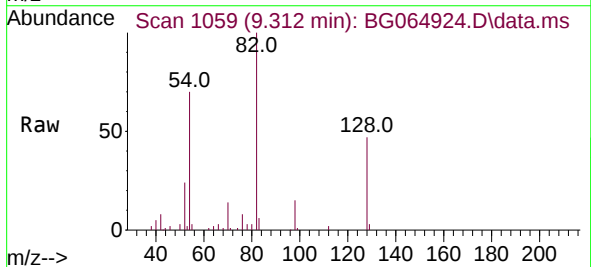
Instrument :
BNA_G
ClientSampleId :
TP-9

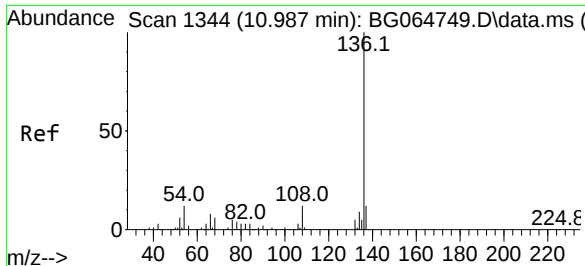
Tgt Ion: 99 Resp: 101391
Ion Ratio Lower Upper
99 100
42 23.1 16.8 25.2
71 46.1 31.1 46.7



#19
n-Nitroso-di-n-propylamine
Concen: 10.997 ng
RT: 9.312 min Scan# 1059
Delta R.T. 0.340 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

Tgt Ion: 70 Resp: 9548
Ion Ratio Lower Upper
70 100
42 55.2 62.6 93.8#
101 0.0 8.0 12.0#
130 0.0 16.5 24.7#

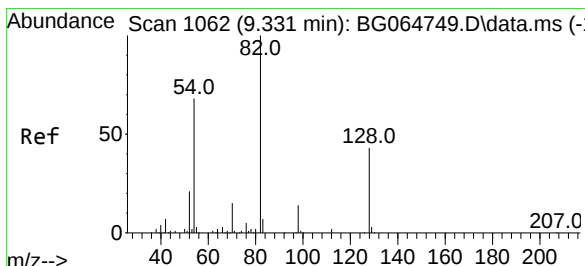
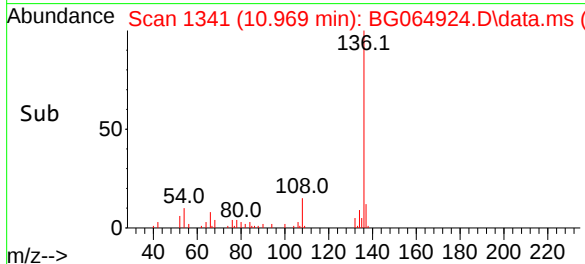
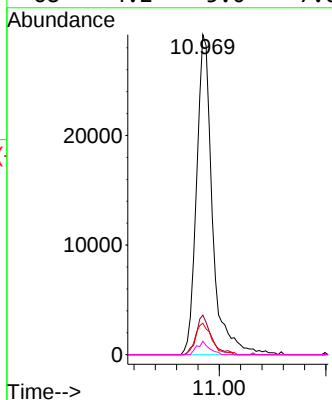
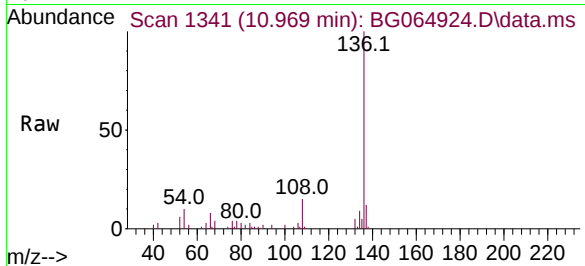




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 1344
Delta R.T. -0.018 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

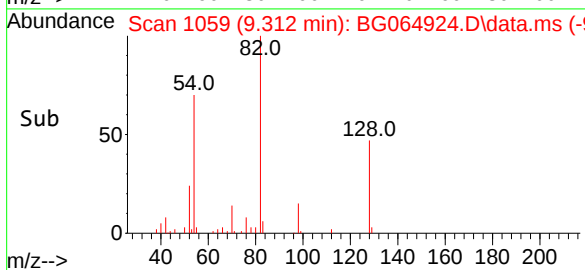
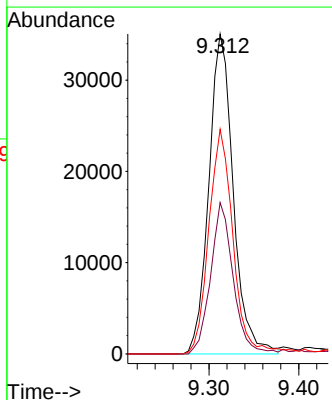
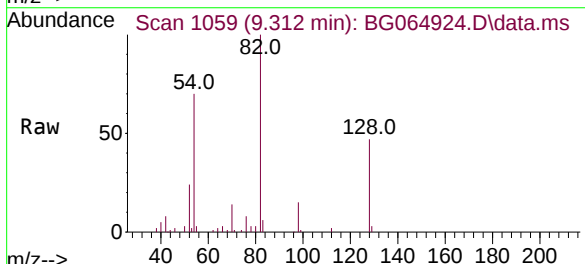
Instrument :
BNA_G
ClientSampleId :
TP-9

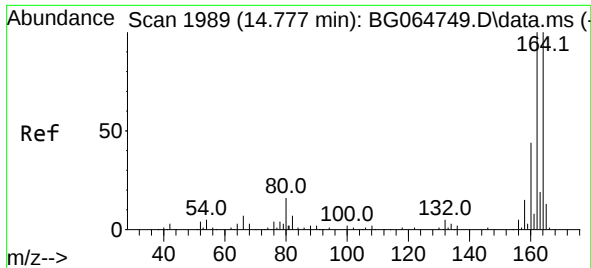
Tgt Ion:	136	Resp:	60335
Ion Ratio	Lower	Upper	
136	100		
137	12.3	9.3	13.9
54	9.9	9.3	13.9
68	4.2	5.0	7.6



#23
Nitrobenzene-d5
Concen: 54.291 ng
RT: 9.312 min Scan# 1059
Delta R.T. -0.018 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

Tgt Ion:	82	Resp:	66251
Ion Ratio	Lower	Upper	
82	100		
128	47.3	34.1	51.1
54	70.2	54.3	81.5

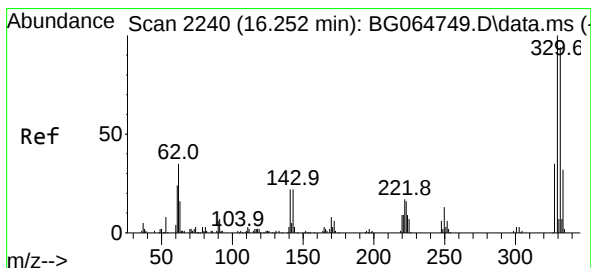
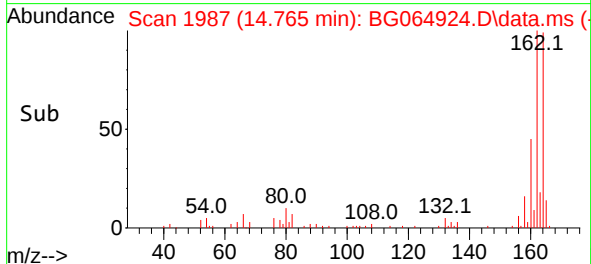
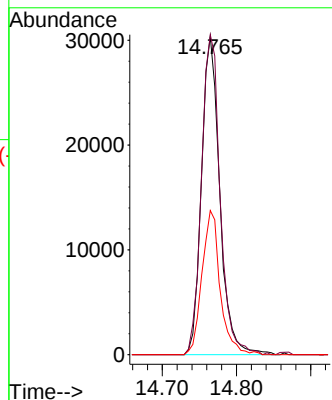
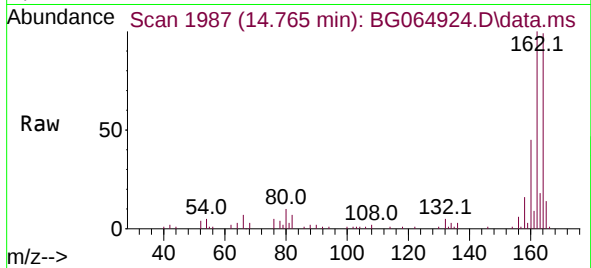




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.765 min Scan# 1987
Delta R.T. -0.012 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

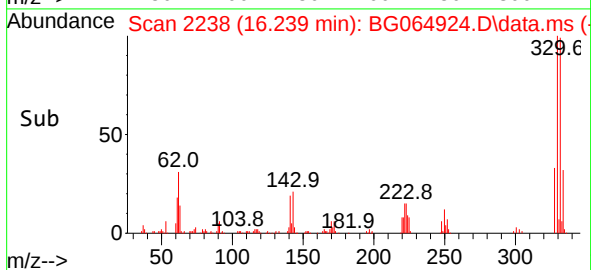
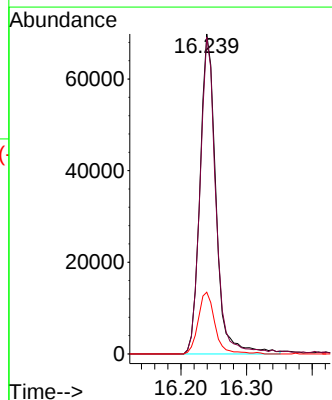
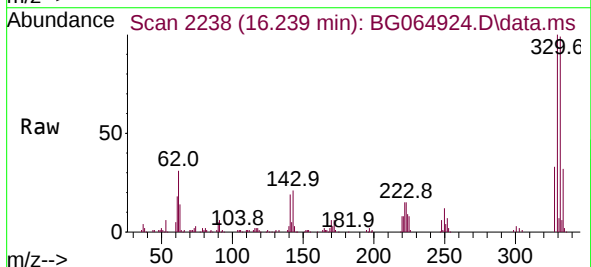
Instrument :
BNA_G
ClientSampleId :
TP-9

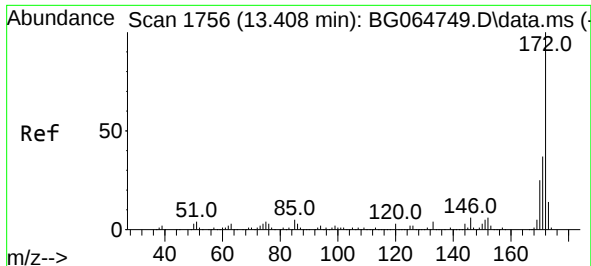
Tgt Ion:164 Resp: 51887
Ion Ratio Lower Upper
164 100
162 100.6 79.8 119.6
160 45.3 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 116.192 ng
RT: 16.239 min Scan# 2238
Delta R.T. -0.012 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

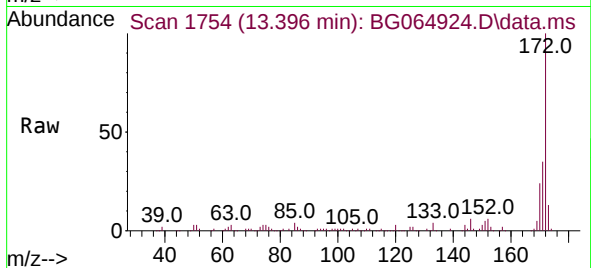
Tgt Ion:330 Resp: 117581
Ion Ratio Lower Upper
330 100
332 97.3 77.0 115.6
141 20.0 18.2 27.2



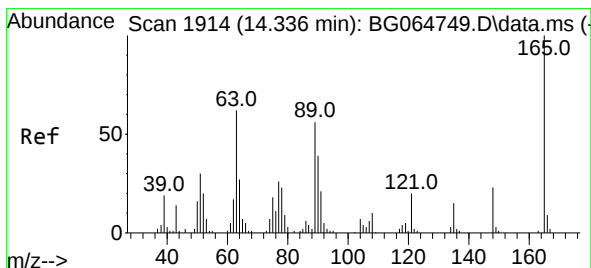
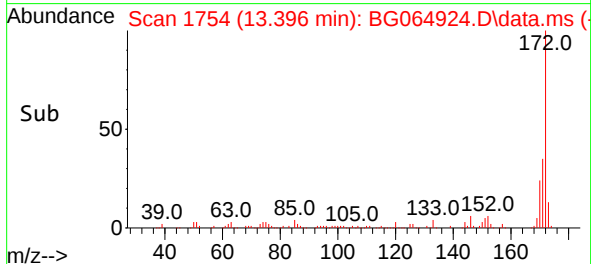
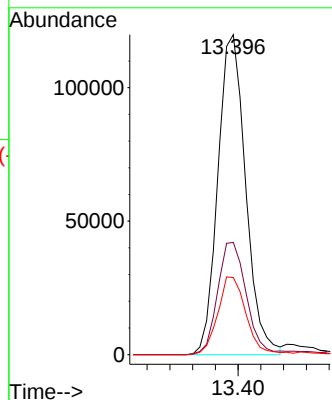


#45
2-Fluorobiphenyl
Concen: 54.768 ng
RT: 13.396 min Scan# 11
Delta R.T. -0.012 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

Instrument :
BNA_G
ClientSampleId :
TP-9

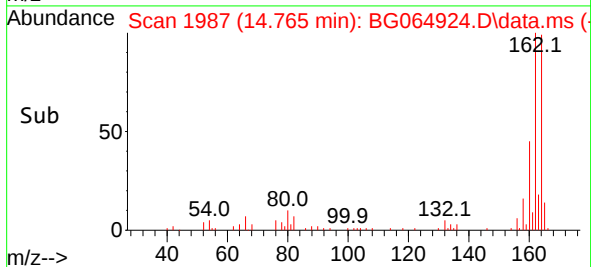
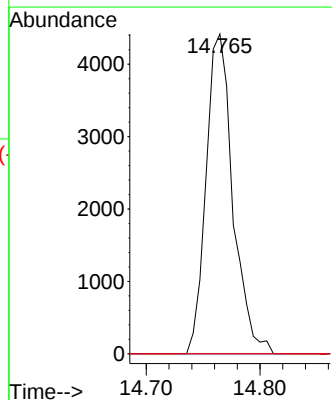
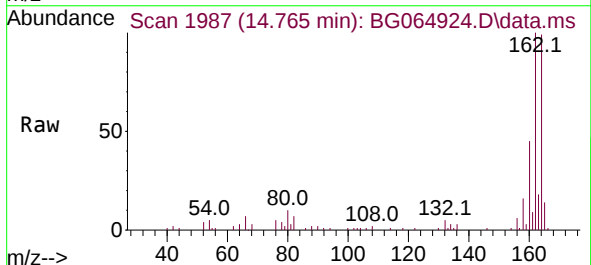


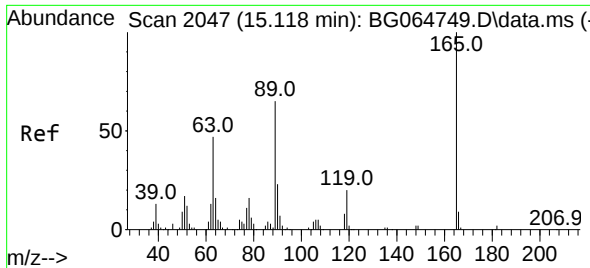
Tgt Ion:172 Resp: 203661
Ion Ratio Lower Upper
172 100
171 35.1 29.9 44.9
170 24.1 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 9.182 ng
RT: 14.765 min Scan# 1987
Delta R.T. 0.428 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

Tgt Ion:165 Resp: 7242
Ion Ratio Lower Upper
165 100
63 0.0 49.8 74.8#
89 0.0 45.0 67.4#

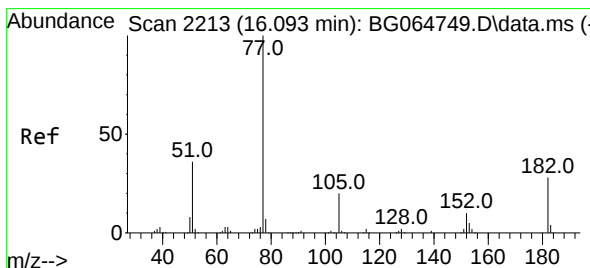
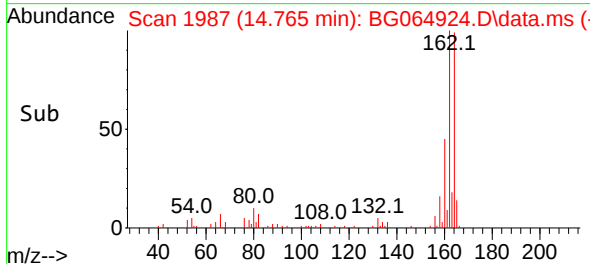
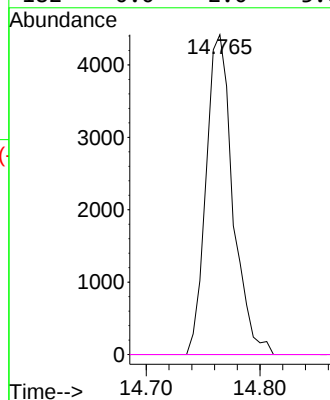
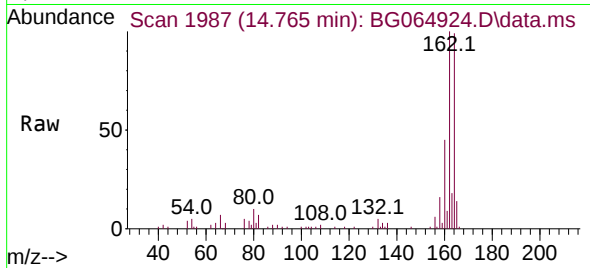




#57
2,4-Dinitrotoluene
Concen: 6.125 ng
RT: 14.765 min Scan# 1987
Delta R.T. -0.353 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

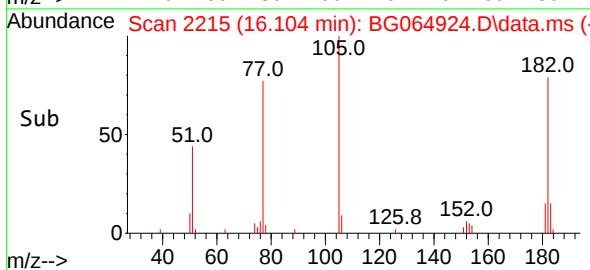
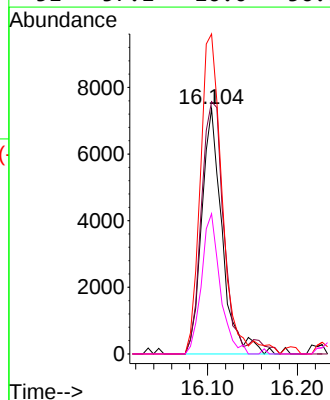
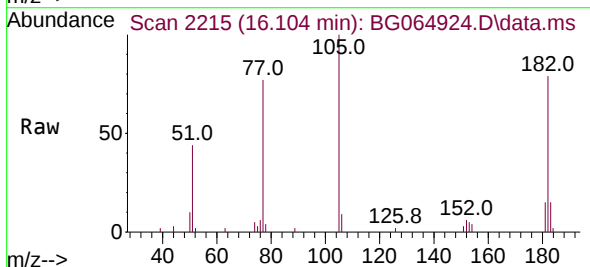
Instrument :
BNA_G
ClientSampleId :
TP-9

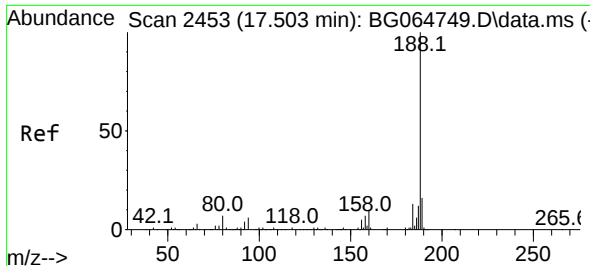
Tgt Ion:165	Resp:	7242
Ion	Ratio	Lower Upper
165	100	
63	0.0	37.8 56.6#
89	0.0	51.6 77.4#
182	0.0	2.0 3.0#



#63
Azobenzene
Concen: 3.552 ng
RT: 16.104 min Scan# 2215
Delta R.T. 0.011 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

Tgt Ion: 77	Resp:	11601
Ion	Ratio	Lower Upper
77	100	
182	102.9	8.1 48.1#
105	130.5	0.1 40.1#
51	57.1	16.0 56.0#

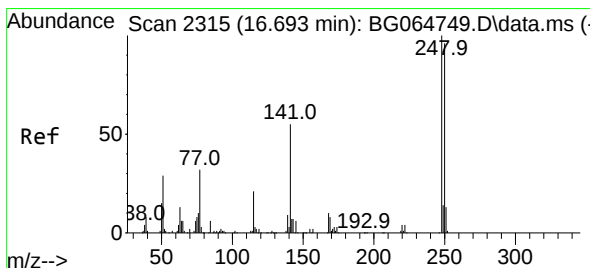
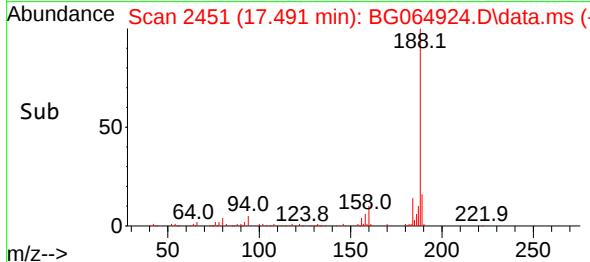
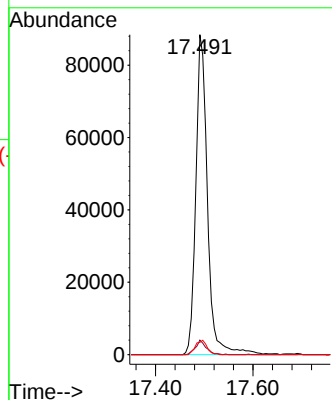
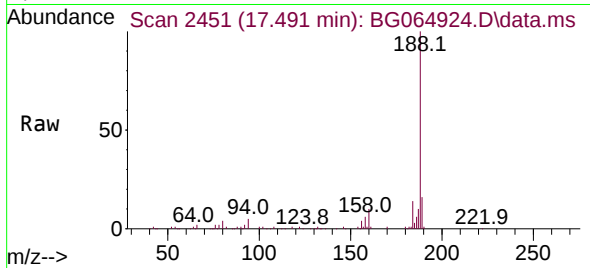




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.491 min Scan# 2453
Delta R.T. -0.012 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

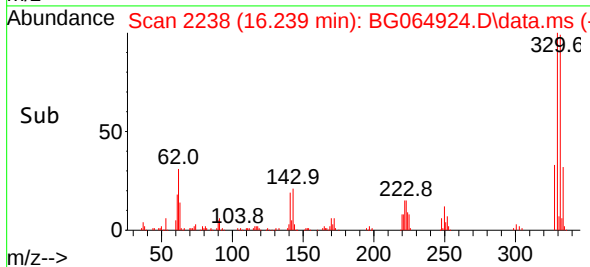
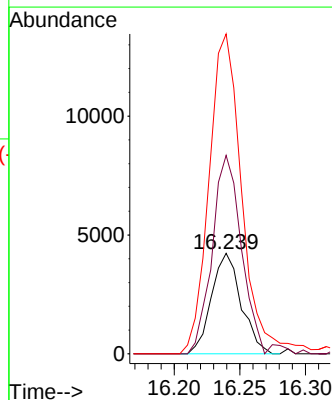
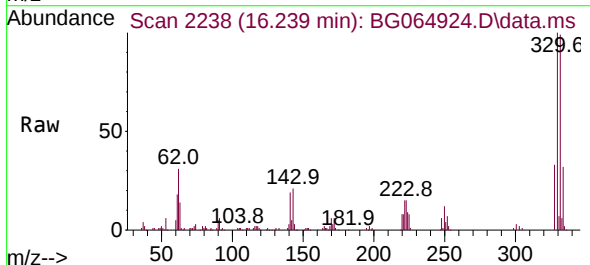
Instrument :
BNA_G
ClientSampleId :
TP-9

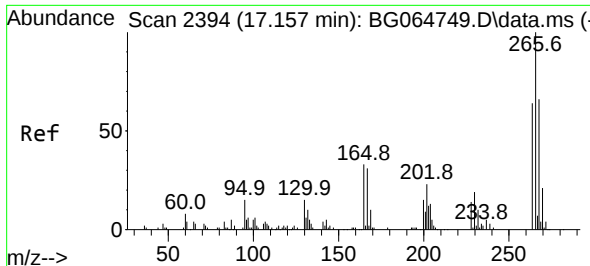
Tgt Ion:188 Resp: 145824
Ion Ratio Lower Upper
188 100
94 4.5 4.7 7.1#
80 3.8 5.4 8.2#



#67
4-Bromophenyl-phenylether
Concen: 3.484 ng
RT: 16.239 min Scan# 2238
Delta R.T. -0.453 min
Lab File: BG064924.D
Acq: 10 Dec 2025 17:10

Tgt Ion:248 Resp: 6672
Ion Ratio Lower Upper
248 100
250 208.6 77.0 115.6#
141 259.7 43.7 65.5#

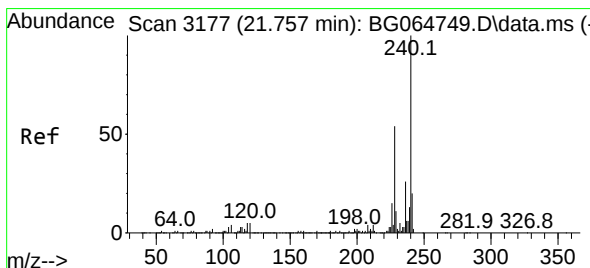
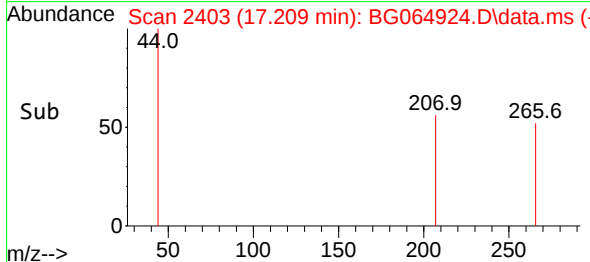
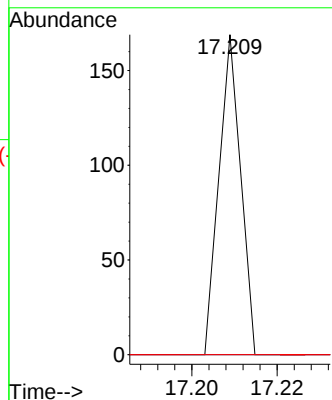
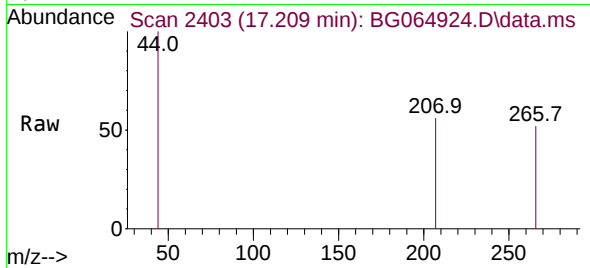




#70
 Pentachlorophenol
 Concen: 6.183 ng
 RT: 17.209 min Scan# 2403
 Delta R.T. 0.052 min
 Lab File: BG064924.D
 Acq: 10 Dec 2025 17:10

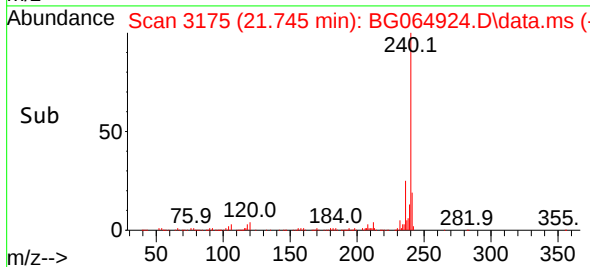
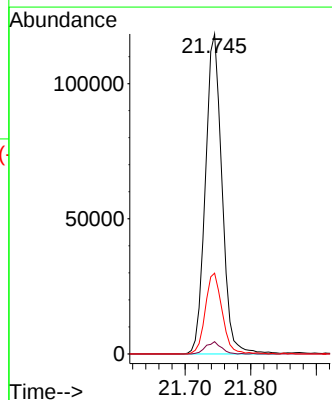
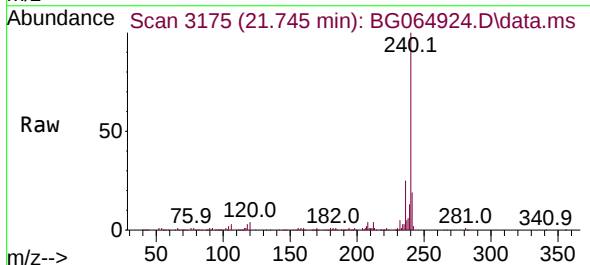
Instrument :
 BNA_G
 ClientSampleId :
 TP-9

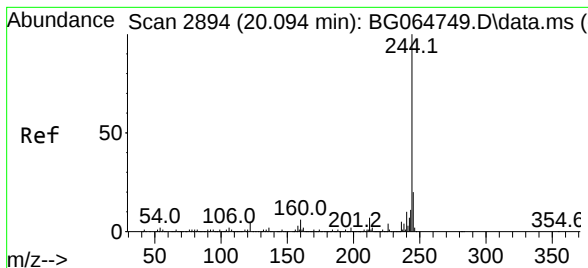
Tgt Ion:266 Resp: 60
 Ion Ratio Lower Upper
 266 100
 268 0.0 56.1 84.1#
 264 0.0 51.2 76.8#



#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.745 min Scan# 3175
 Delta R.T. -0.012 min
 Lab File: BG064924.D
 Acq: 10 Dec 2025 17:10

Tgt Ion:240 Resp: 207077
 Ion Ratio Lower Upper
 240 100
 120 3.8 4.2 6.4#
 236 25.2 20.8 31.2





#79

Terphenyl-d14

Concen: 57.890 ng

RT: 20.082 min Scan# 2892

Delta R.T. -0.012 min

Lab File: BG064924.D

Acq: 10 Dec 2025 17:10

Instrument :

BNA_G

ClientSampleId :

TP-9

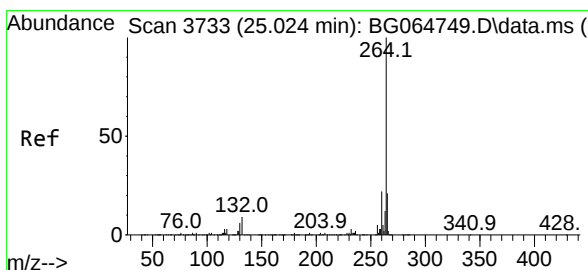
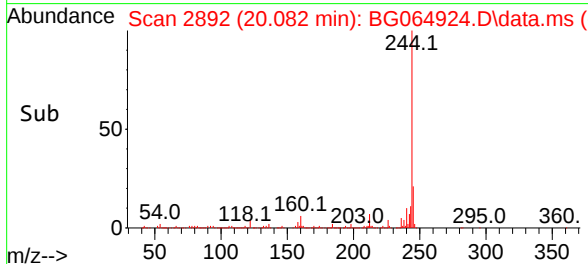
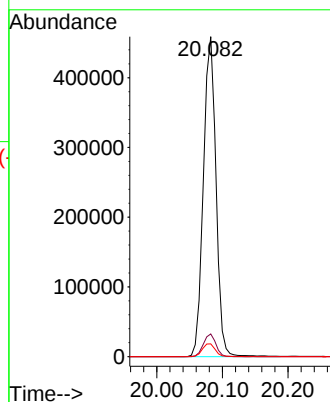
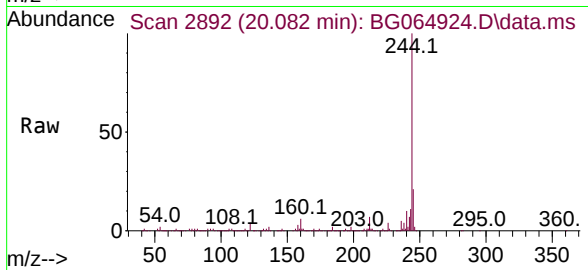
Tgt Ion:244 Resp: 609411

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.6

122 4.0 4.3 6.5#



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.994 min Scan# 3728

Delta R.T. -0.030 min

Lab File: BG064924.D

Acq: 10 Dec 2025 17:10

Tgt Ion:264 Resp: 229032

Ion Ratio Lower Upper

264 100

260 23.7 17.2 25.8

265 22.0 16.6 25.0

