

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121225\
 Data File : BG064950.D
 Acq On : 12 Dec 2025 13:45
 Operator : RC/JU
 Sample : Q3814-10RE
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-9RE

Quant Time: Dec 12 14:22:15 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)

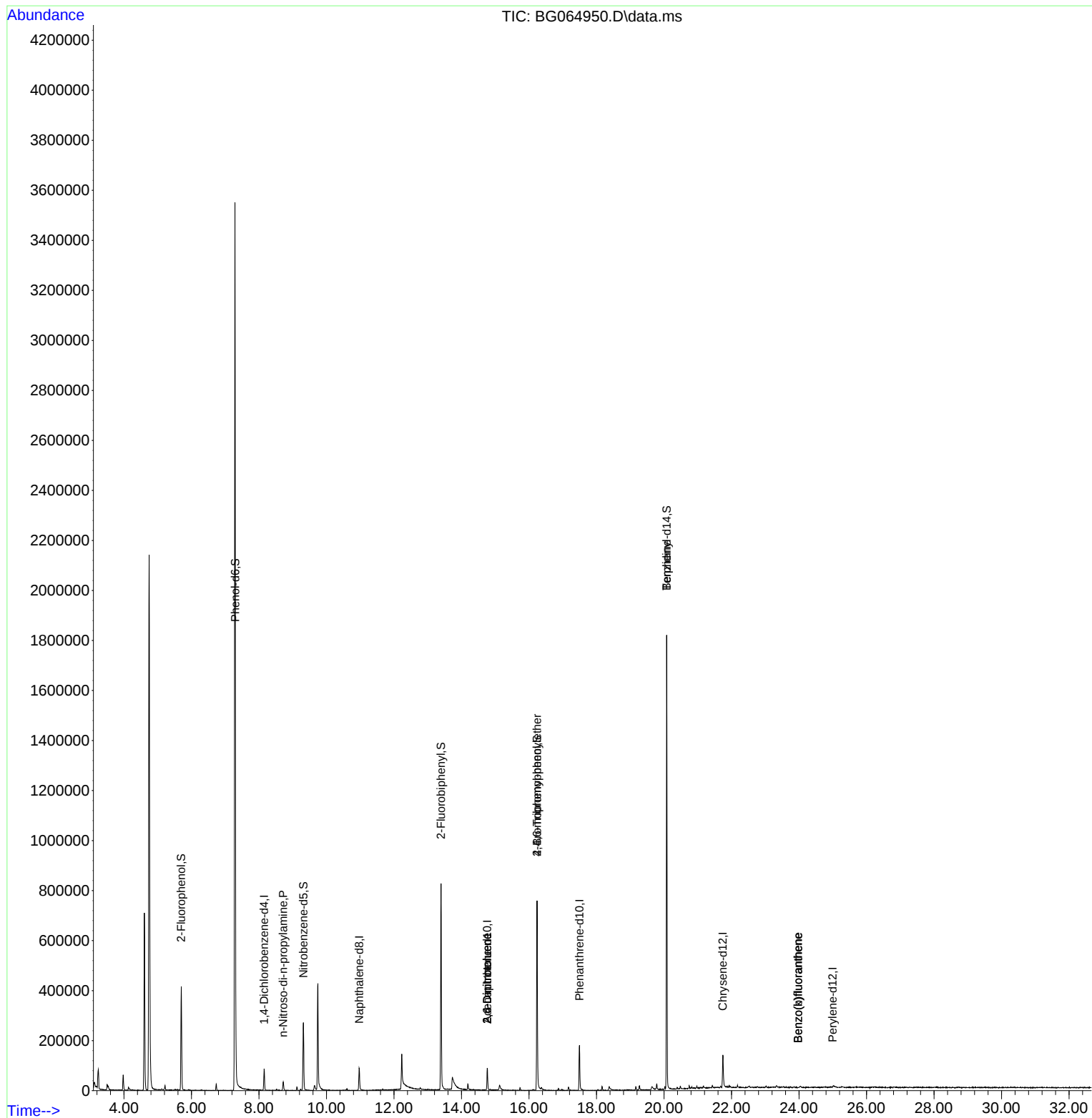
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	25061	20.000	ng	-0.01
21) Naphthalene-d8	10.967	136	82268	20.000	ng	#-0.02
39) Acenaphthene-d10	14.762	164	31874	20.000	ng	-0.01
64) Phenanthrene-d10	17.494	188	130087	20.000	ng	# 0.00
76) Chrysene-d12	21.742	240	70366	20.000	ng	#-0.01
86) Perylene-d12	24.991	264	698	20.000	ng	#-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.696	112	171064	119.195	ng	0.00
7) Phenol-d6	7.300	99	134393	70.406	ng	0.00
23) Nitrobenzene-d5	9.316	82	150058	90.184	ng	-0.01
42) 2,4,6-Tribromophenol	16.237	330	210227	338.181	ng	-0.01
45) 2-Fluorobiphenyl	13.393	172	468573	205.126	ng	-0.01
79) Terphenyl-d14	20.079	244	886175	247.732	ng	-0.01
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.716	70	3554	2.754	ng	# 76
51) 2,6-Dinitrotoluene	14.762	165	4157	8.580	ng	# 26
57) 2,4-Dinitrotoluene	14.762	165	4157	5.723	ng	# 29
67) 4-Bromophenyl-phenylether	16.237	248	11760	6.884	ng	# 1
77) Benzidine	20.079	184	13246	6.286	ng	# 90
88) Benzo(b)fluoranthene	23.969	252	144	3.242	ng	# 60
89) Benzo(k)fluoranthene	23.969	252	144	3.227	ng	# 59

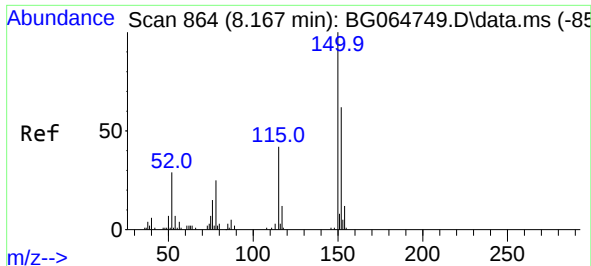
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121225\
Data File : BG064950.D
Acq On : 12 Dec 2025 13:45
Operator : RC/JU
Sample : Q3814-10RE
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
TP-9RE

Quant Time: Dec 12 14:22:15 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

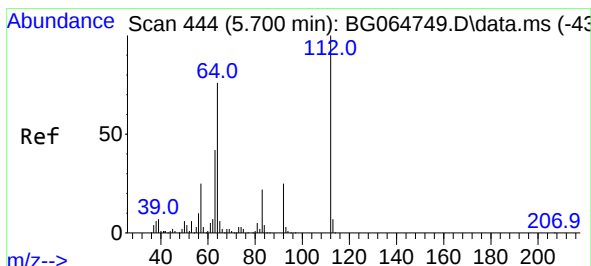
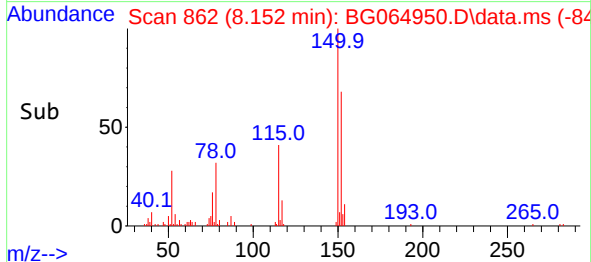
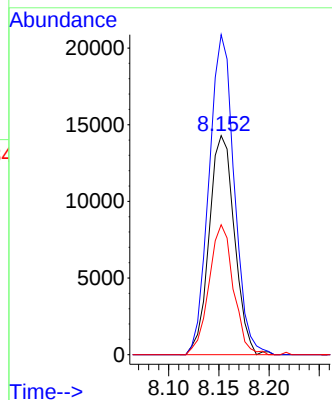
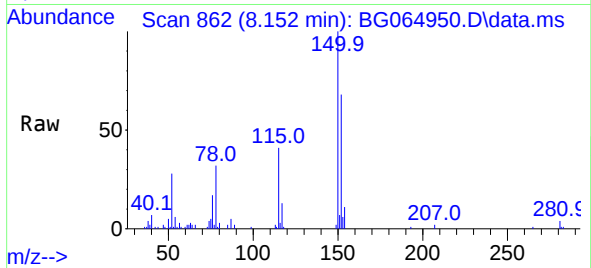




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.152 min Scan# 80
Delta R.T. -0.015 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

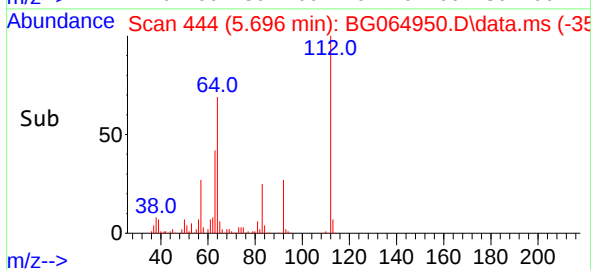
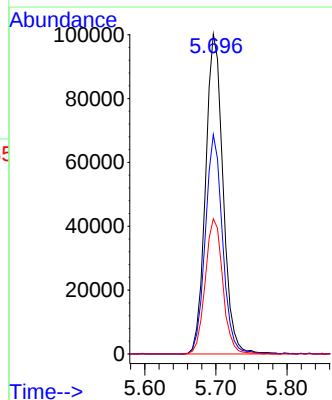
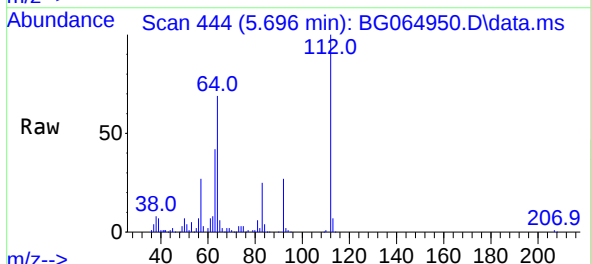
Instrument :
BNA_G
ClientSampleId :
TP-9RE

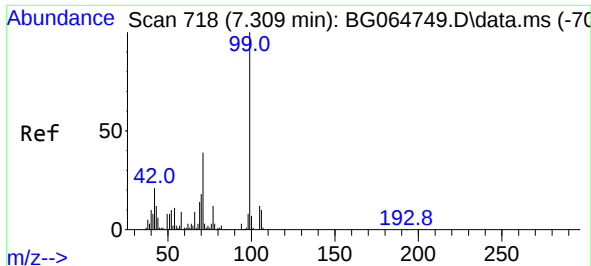
Tgt Ion:152 Resp: 25061
Ion Ratio Lower Upper
152 100
150 146.1 129.2 193.8
115 59.3 53.7 80.5



#5
2-Fluorophenol
Concen: 119.195 ng
RT: 5.696 min Scan# 444
Delta R.T. -0.003 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

Tgt Ion:112 Resp: 171064
Ion Ratio Lower Upper
112 100
64 68.6 61.0 91.4
63 42.2 33.3 49.9



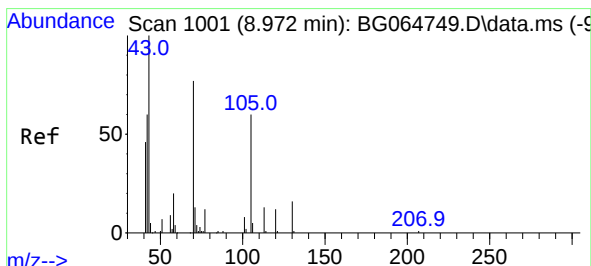
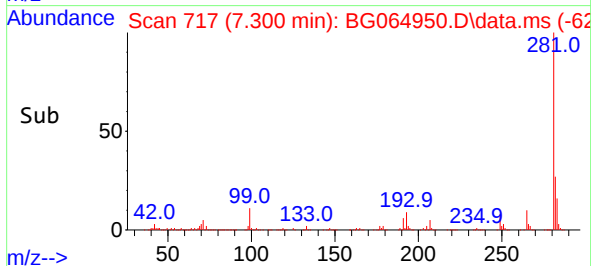
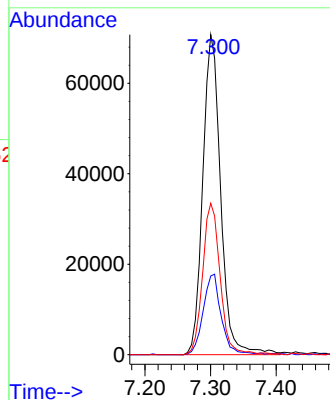
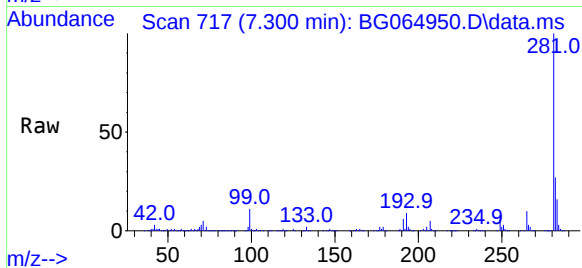


#7
Phenol-d6
Concen: 70.406 ng
RT: 7.300 min Scan# 71
Delta R.T. -0.009 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

Instrument :
BNA_G
ClientSampleId :
TP-9RE

Tgt Ion: 99 Resp: 134393

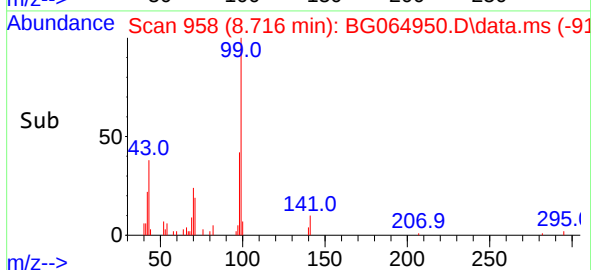
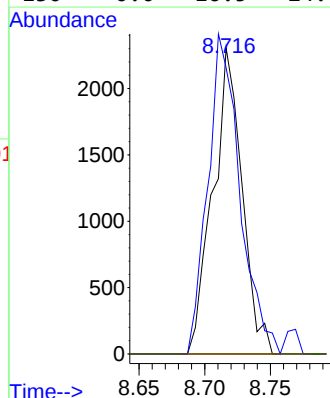
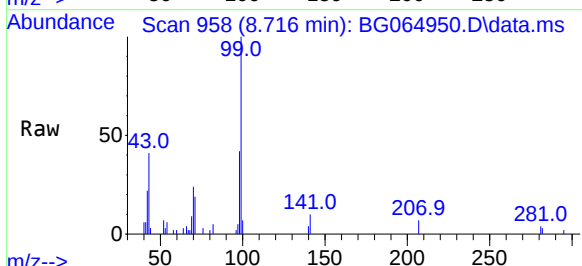
Ion	Ratio	Lower	Upper
99	100		
42	24.6	16.8	25.2
71	47.3	31.1	46.7

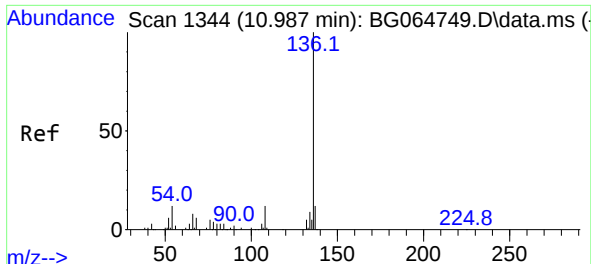


#19
n-Nitroso-di-n-propylamine
Concen: 2.754 ng
RT: 8.716 min Scan# 958
Delta R.T. -0.256 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

Tgt Ion: 70 Resp: 3554

Ion	Ratio	Lower	Upper
70	100		
42	93.5	62.6	93.8
101	0.0	8.0	12.0
130	0.0	16.5	24.7

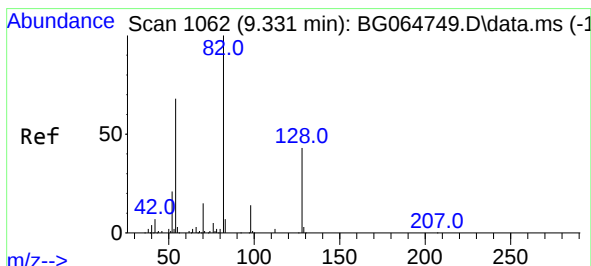
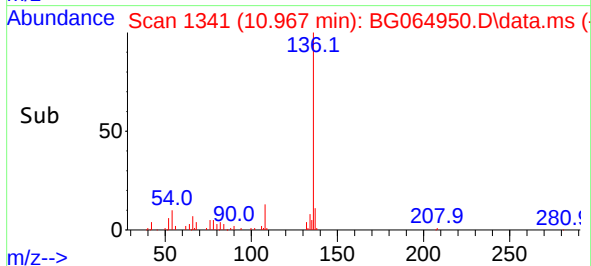
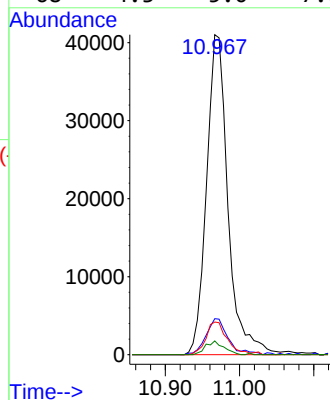
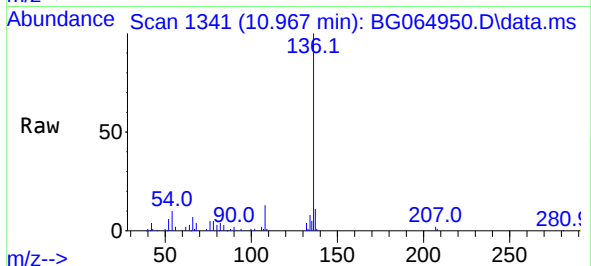




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.967 min Scan# 11
Delta R.T. -0.020 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

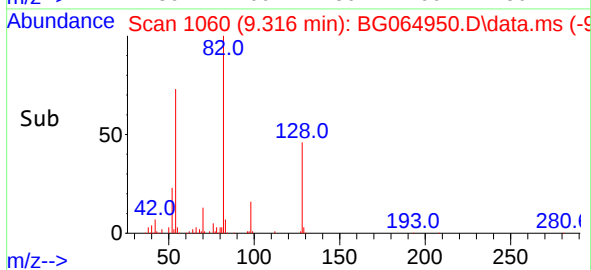
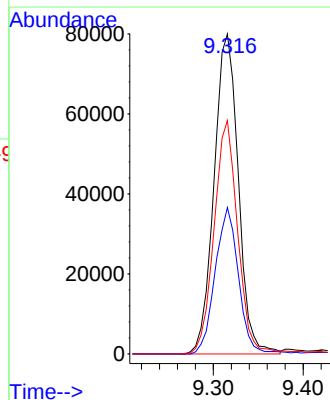
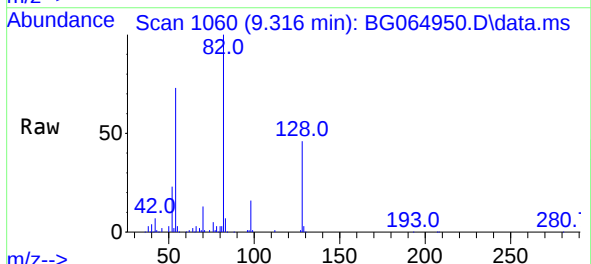
Instrument :
BNA_G
ClientSampleId :
TP-9RE

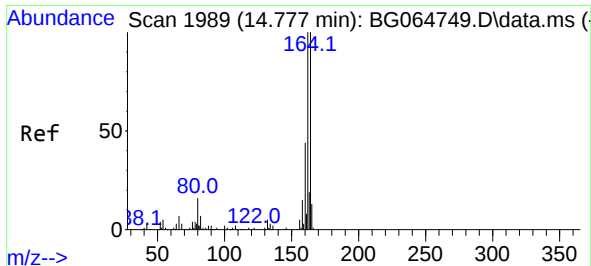
Tgt Ion:	136	Resp:	82268
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.3	13.9
54	10.2	9.3	13.9
68	4.3	5.0	7.6



#23
Nitrobenzene-d5
Concen: 90.184 ng
RT: 9.316 min Scan# 1060
Delta R.T. -0.015 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

Tgt Ion:	82	Resp:	150058
Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.1	51.1
54	73.0	54.3	81.5

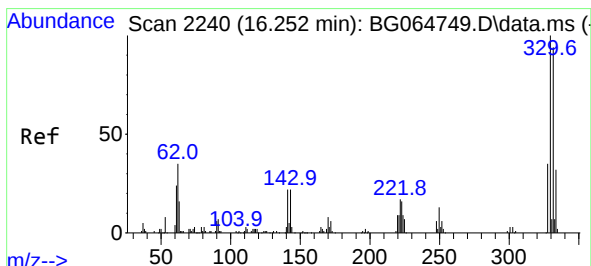
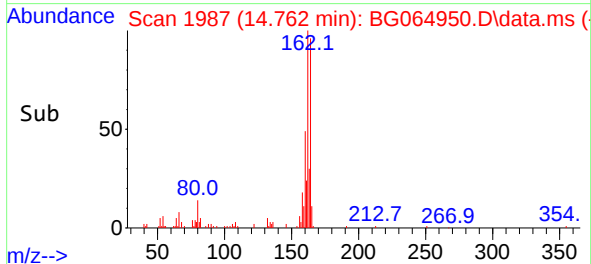
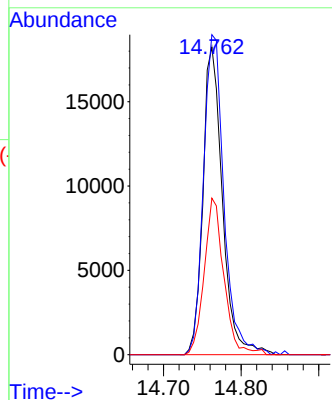
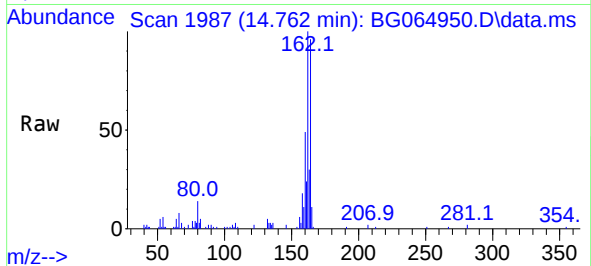




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.762 min Scan# 1989
Delta R.T. -0.015 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

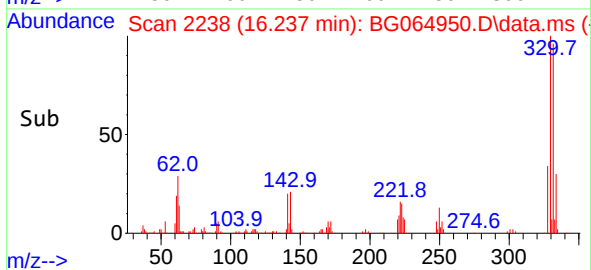
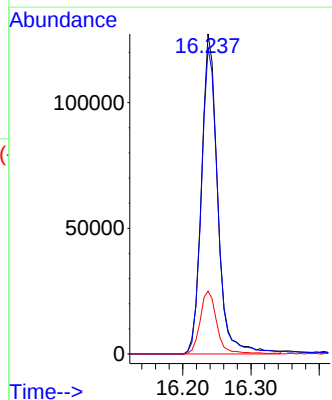
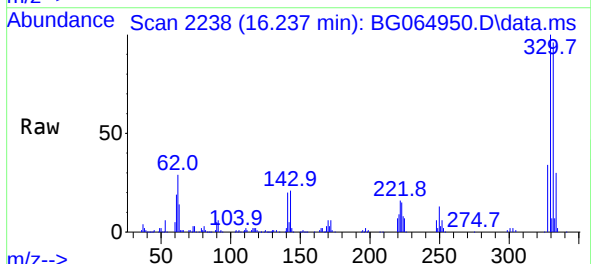
Instrument :
BNA_G
ClientSampleId :
TP-9RE

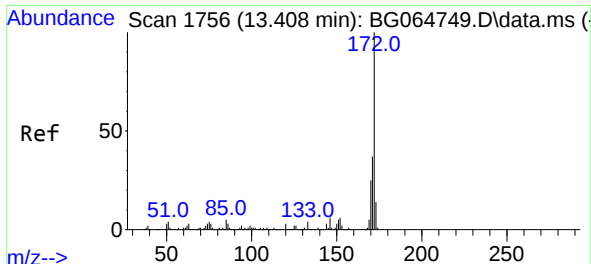
Tgt Ion:164 Resp: 31874
Ion Ratio Lower Upper
164 100
162 104.1 79.8 119.6
160 50.9 34.9 52.3



#42
2,4,6-Tribromophenol
Concen: 338.181 ng
RT: 16.237 min Scan# 2238
Delta R.T. -0.015 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

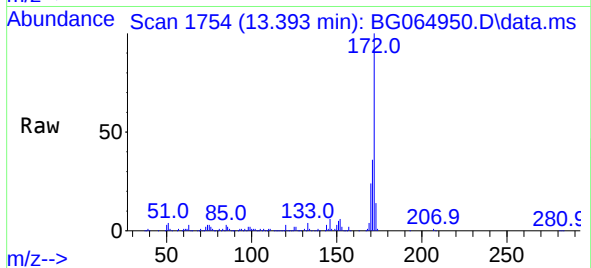
Tgt Ion:330 Resp: 210227
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 20.1 18.2 27.2



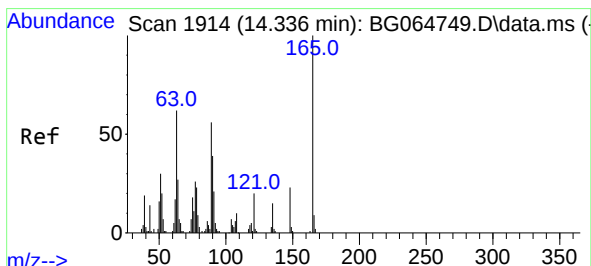
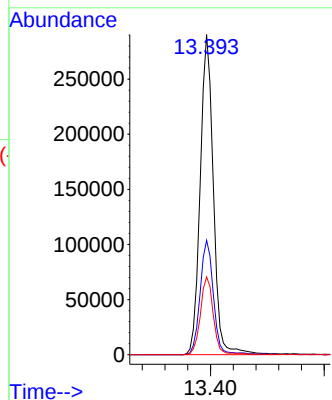
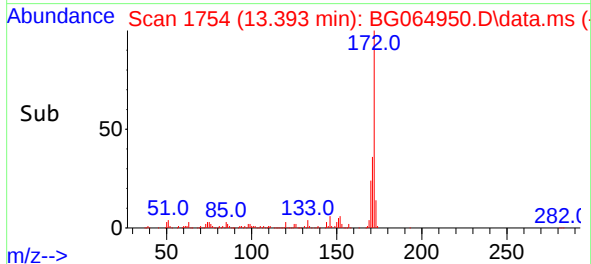


#45
2-Fluorobiphenyl
Concen: 205.126 ng
RT: 13.393 min Scan# 1754
Delta R.T. -0.015 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

Instrument :
BNA_G
ClientSampleId :
TP-9RE

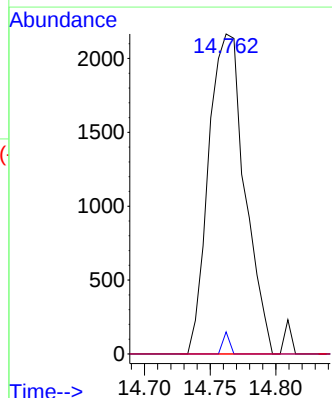
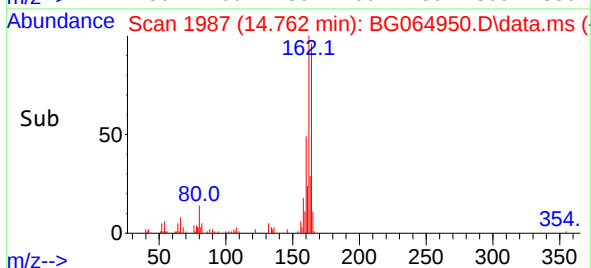
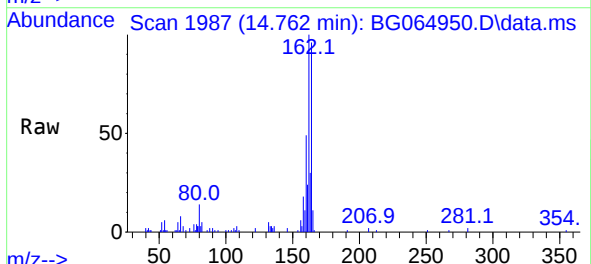


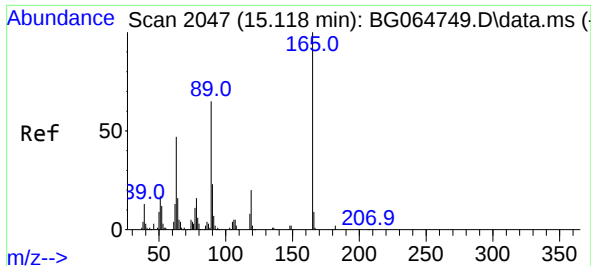
Tgt Ion:172 Resp: 468573
Ion Ratio Lower Upper
172 100
171 35.7 29.9 44.9
170 24.3 19.8 29.6



#51
2,6-Dinitrotoluene
Concen: 8.580 ng
RT: 14.762 min Scan# 1987
Delta R.T. 0.426 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

Tgt Ion:165 Resp: 4157
Ion Ratio Lower Upper
165 100
63 6.9 49.8 74.8#
89 0.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.723 ng

RT: 14.762 min Scan# 1987

Delta R.T. -0.356 min

Lab File: BG064950.D

Acq: 12 Dec 2025 13:45

Instrument :

BNA_G

ClientSampleId :

TP-9RE

Tgt Ion:165 Resp: 4157

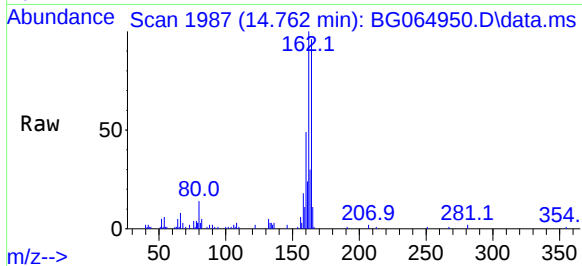
Ion Ratio Lower Upper

165 100

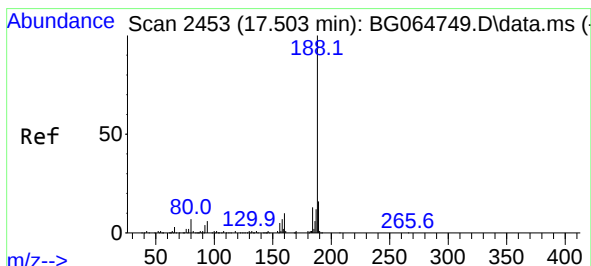
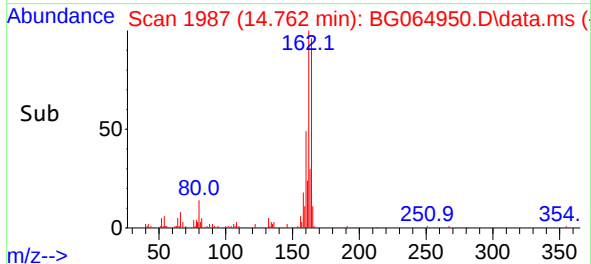
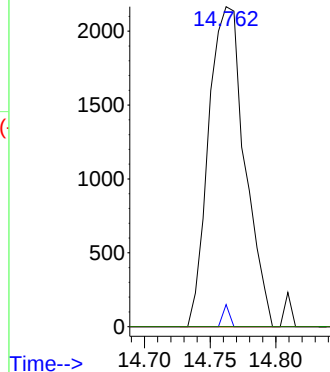
63 6.9 37.8 56.6#

89 0.0 51.6 77.4#

182 0.0 2.0 3.0#



Abundance



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.494 min Scan# 2452

Delta R.T. -0.009 min

Lab File: BG064950.D

Acq: 12 Dec 2025 13:45

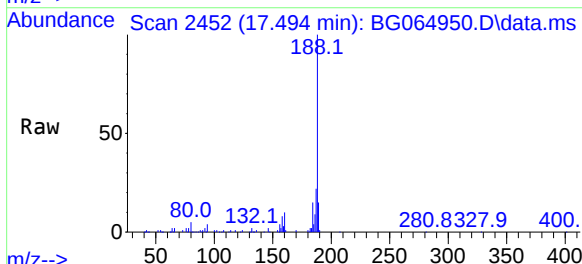
Tgt Ion:188 Resp: 130087

Ion Ratio Lower Upper

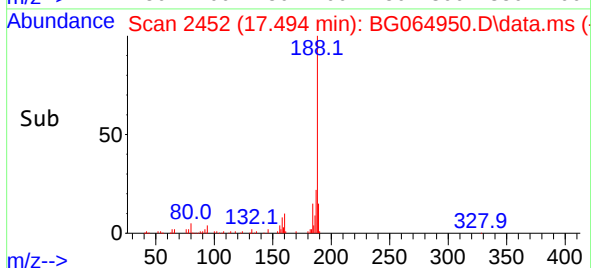
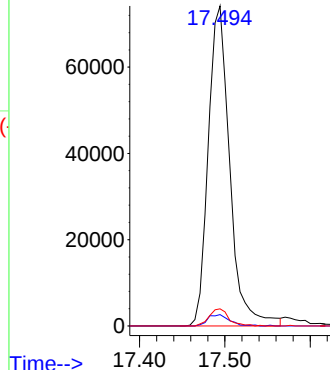
188 100

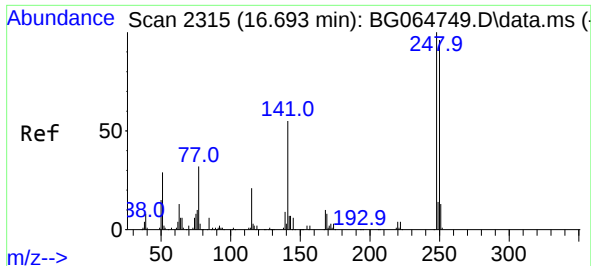
94 3.6 4.7 7.1#

80 5.6 5.4 8.2



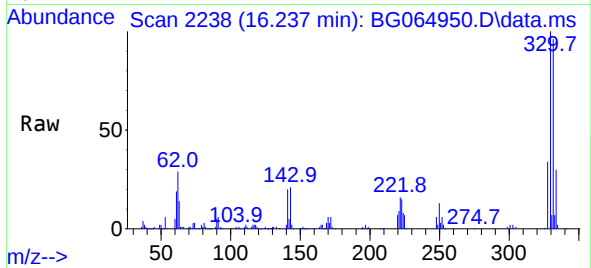
Abundance



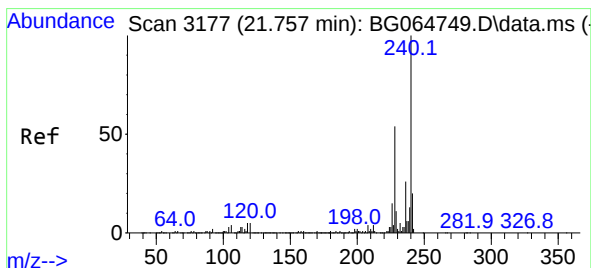
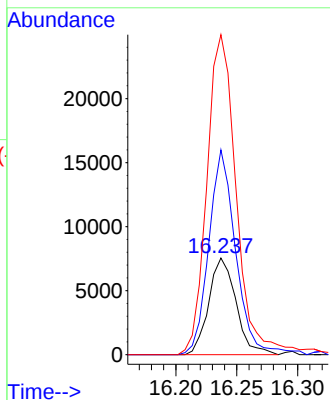
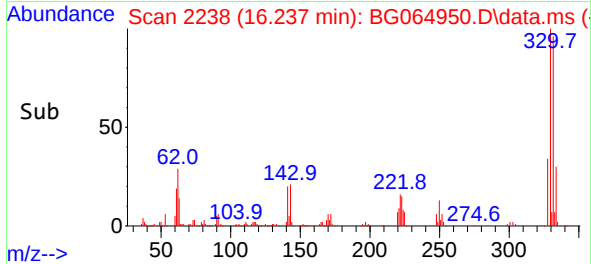


#67
4-Bromophenyl-phenylether
Concen: 6.884 ng
RT: 16.237 min Scan# 21
Delta R.T. -0.456 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

Instrument :
BNA_G
ClientSampleId :
TP-9RE

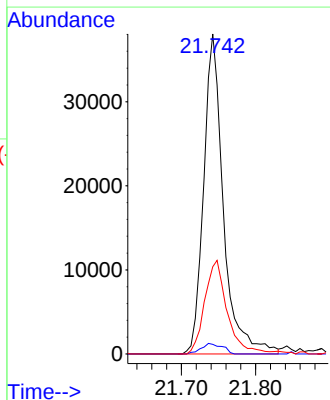
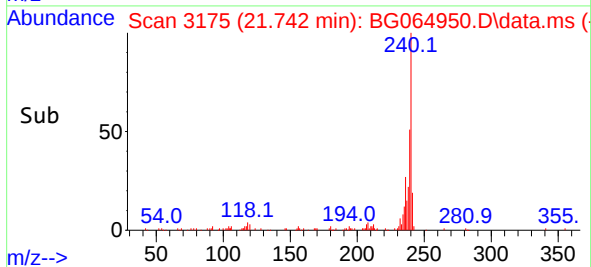
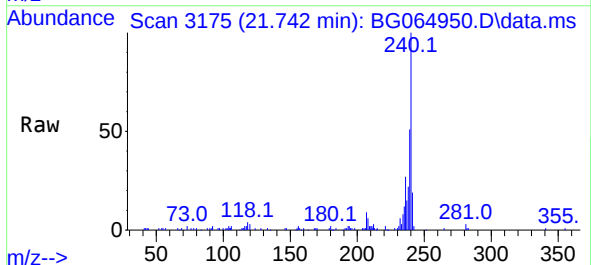


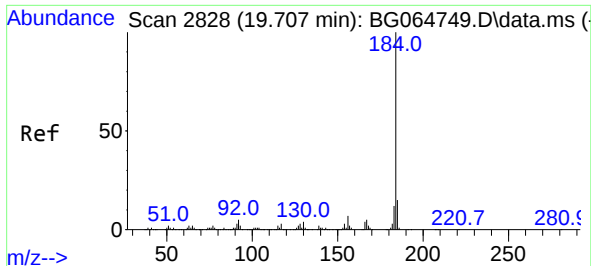
Tgt Ion:248 Resp: 11760
Ion Ratio Lower Upper
248 100
250 208.4 77.0 115.6#
141 255.1 43.7 65.5#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.742 min Scan# 3175
Delta R.T. -0.015 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

Tgt Ion:240 Resp: 70366
Ion Ratio Lower Upper
240 100
120 3.0 4.2 6.4#
236 27.2 20.8 31.2

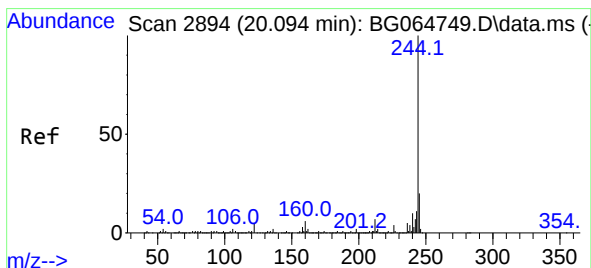
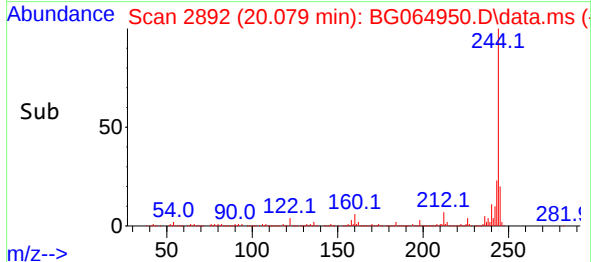
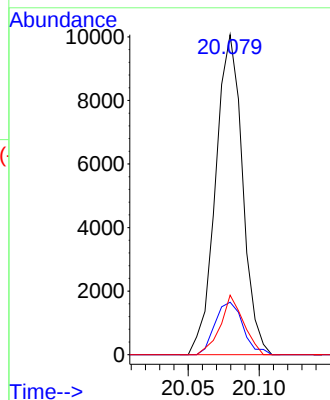
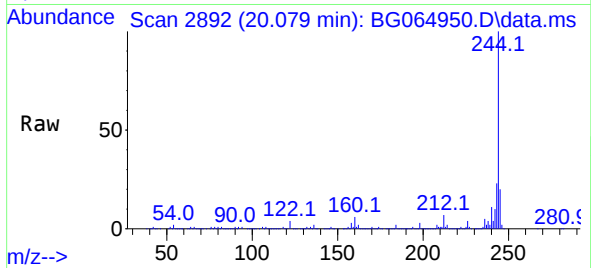




#77
Benzidine
Concen: 6.286 ng
RT: 20.079 min Scan# 2892
Delta R.T. 0.373 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

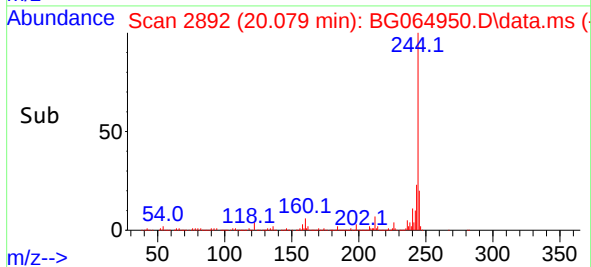
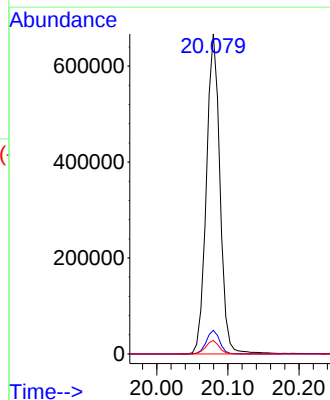
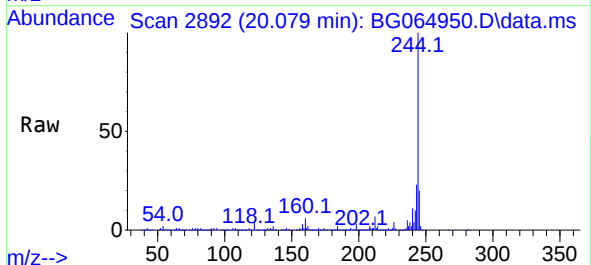
Instrument :
BNA_G
ClientSampleId :
TP-9RE

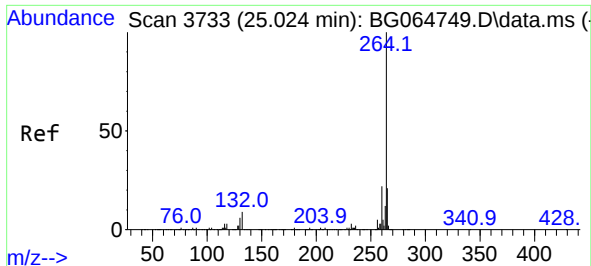
Tgt Ion:184 Resp: 13246
Ion Ratio Lower Upper
184 100
185 16.4 11.8 17.6
183 18.6 9.8 14.6#



#79
Terphenyl-d14
Concen: 247.732 ng
RT: 20.079 min Scan# 2892
Delta R.T. -0.015 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

Tgt Ion:244 Resp: 886175
Ion Ratio Lower Upper
244 100
212 7.4 5.8 8.6
122 4.2 4.3 6.5#

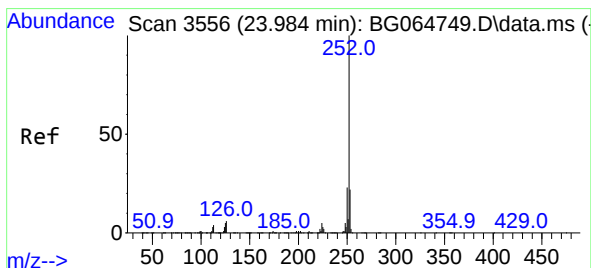
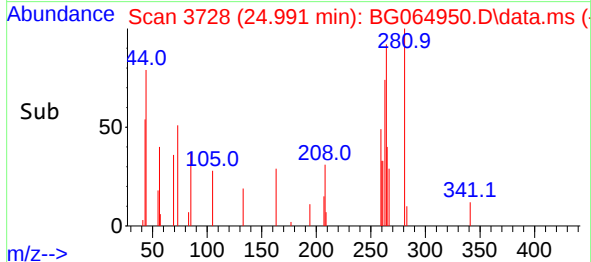
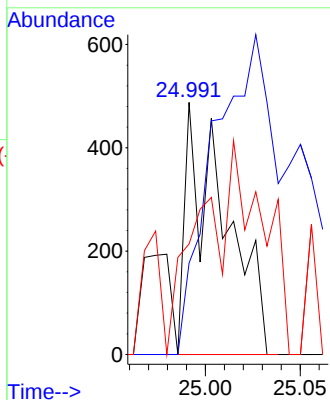
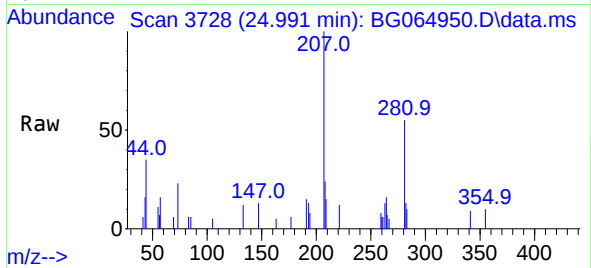




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.991 min Scan# 31
Delta R.T. -0.033 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

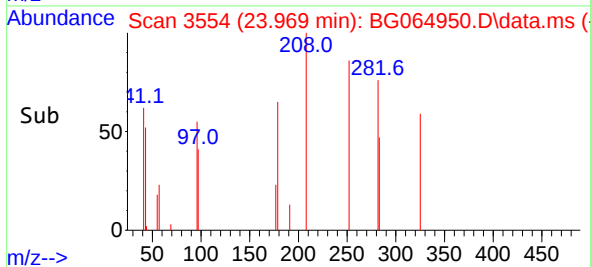
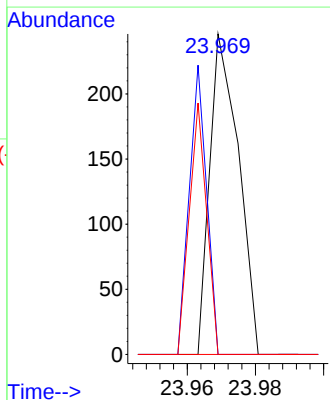
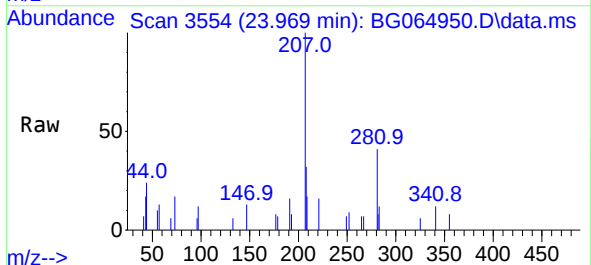
Instrument :
BNA_G
ClientSampleId :
TP-9RE

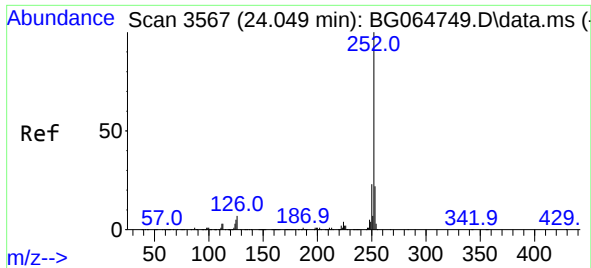
Tgt Ion:264 Resp: 698
Ion Ratio Lower Upper
264 100
260 36.3 17.2 25.8#
265 43.9 16.6 25.0#



#88
Benzo(b)fluoranthene
Concen: 3.242 ng
RT: 23.969 min Scan# 3554
Delta R.T. -0.015 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

Tgt Ion:252 Resp: 144
Ion Ratio Lower Upper
252 100
253 0.0 17.4 26.2#
125 0.0 4.2 6.2#





#89
Benzo(k)fluoranthene
Concen: 3.227 ng
RT: 23.969 min Scan# 31
Delta R.T. -0.080 min
Lab File: BG064950.D
Acq: 12 Dec 2025 13:45

Instrument :
BNA_G
ClientSampleId :
TP-9RE

Tgt Ion:252 Resp: 144
Ion Ratio Lower Upper
252 100
253 0.0 17.8 26.8#
125 0.0 4.1 6.1#

