

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
 Data File : BG064336.D
 Acq On : 10 Sep 2025 17:25
 Operator : RC/JU
 Sample : Q3054-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 10 18:10:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082825.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 28 17:41:58 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

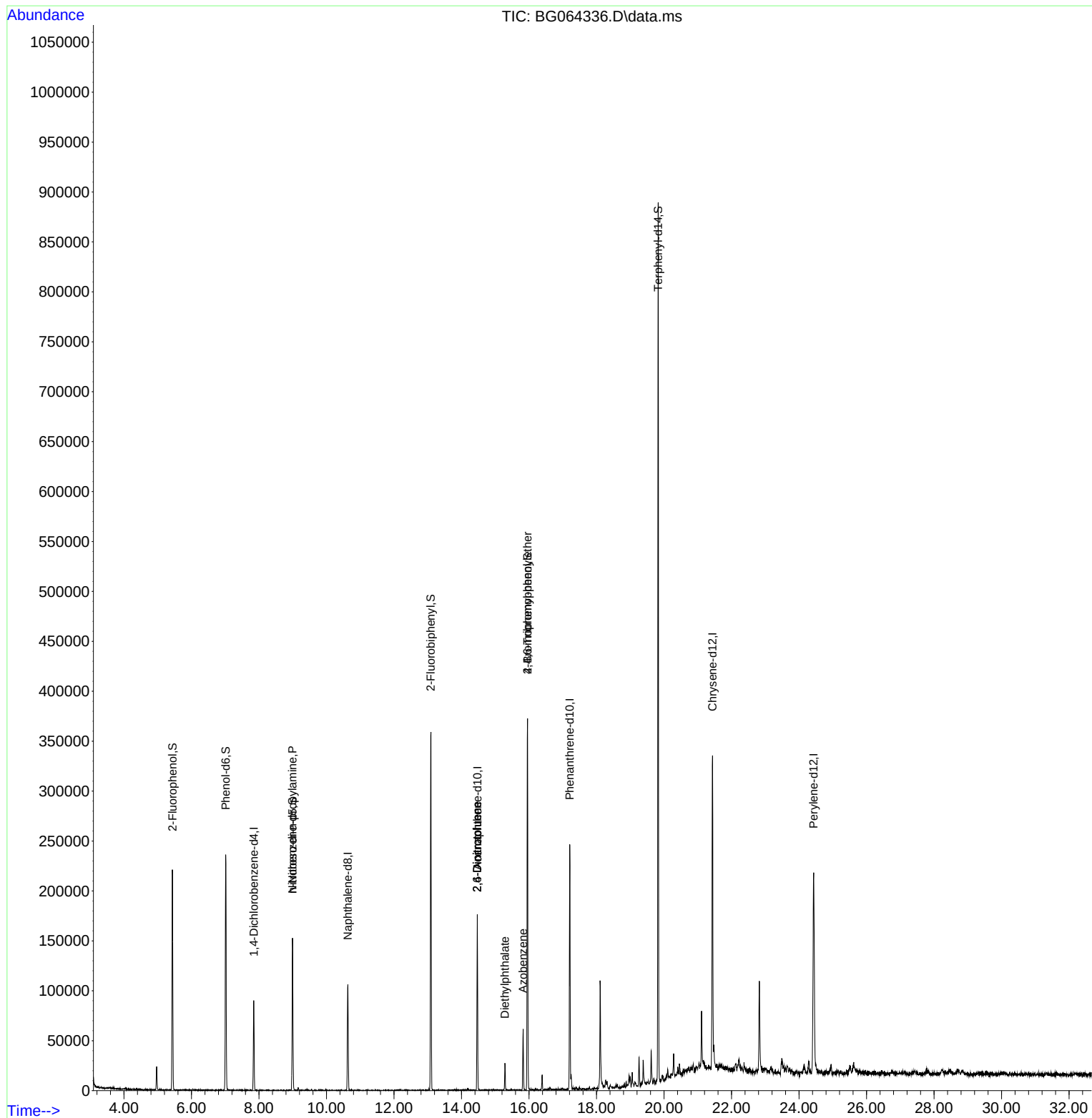
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.846	152	20950	20.000	ng	-0.01
21) Naphthalene-d8	10.631	136	83214	20.000	ng	#-0.02
39) Acenaphthene-d10	14.468	164	58427	20.000	ng	-0.01
64) Phenanthrene-d10	17.206	188	144132	20.000	ng	#-0.02
76) Chrysene-d12	21.436	240	178481	20.000	ng	#-0.02
86) Perylene-d12	24.433	264	205069	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.437	112	83068	71.137	ng	0.00
7) Phenol-d6	7.012	99	108636	67.718	ng	-0.02
23) Nitrobenzene-d5	8.992	82	77107	51.677	ng	-0.02
42) 2,4,6-Tribromophenol	15.954	330	68664	88.726	ng	-0.02
45) 2-Fluorobiphenyl	13.087	172	178514	46.635	ng	-0.02
79) Terphenyl-d14	19.826	244	387440	45.290	ng	-0.02
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	8.992	70	11792	9.604	ng	# 70
51) 2,6-Dinitrotoluene	14.462	165	8347	9.749	ng	# 14
57) 2,4-Dinitrotoluene	14.462	165	8347	6.448	ng	# 17
60) Diethylphthalate	15.285	149	14222	3.005	ng	99
63) Azobenzene	15.819	77	16863	3.997	ng	# 26
67) 4-Bromophenyl-phenylether	15.954	248	4578	2.990	ng	# 1

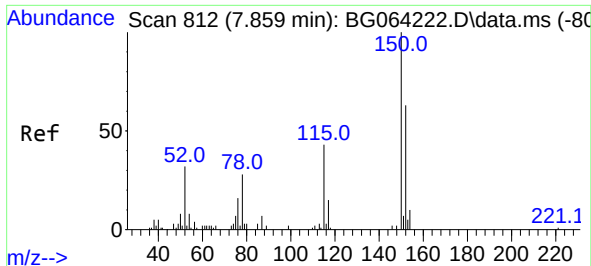
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG091025\
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Misc :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Aug 28 17:41:58 2025
Response via : Initial Calibration

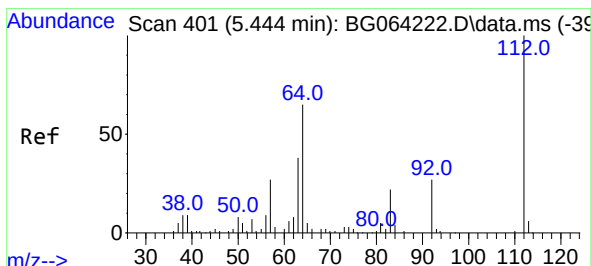
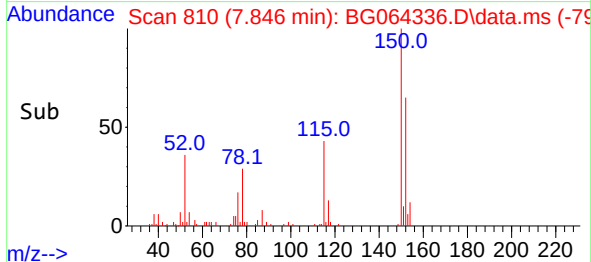
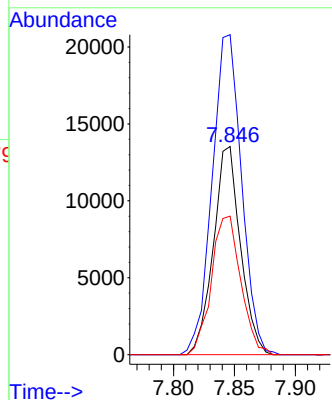
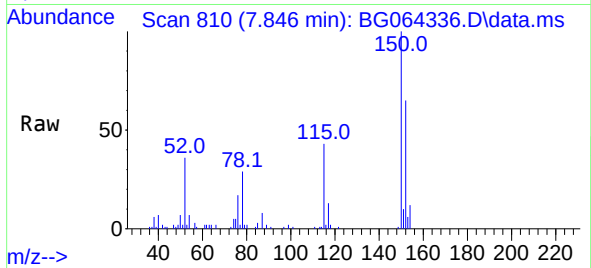




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.846 min Scan# 812
Delta R.T. -0.013 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

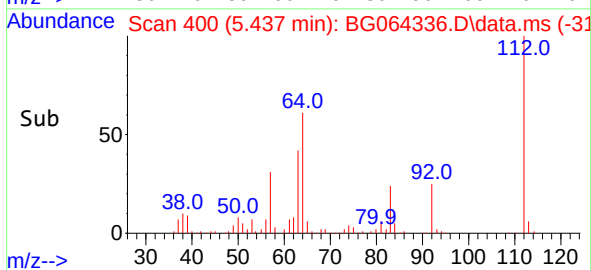
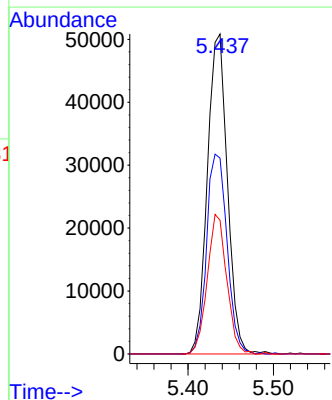
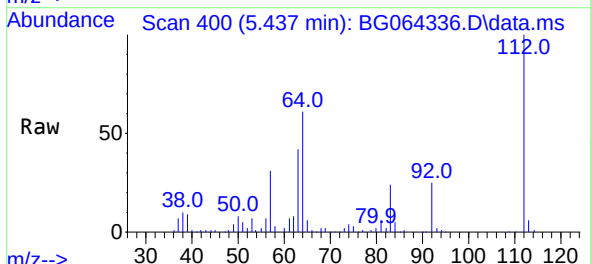
Instrument :
BNA_G
ClientSampleId :

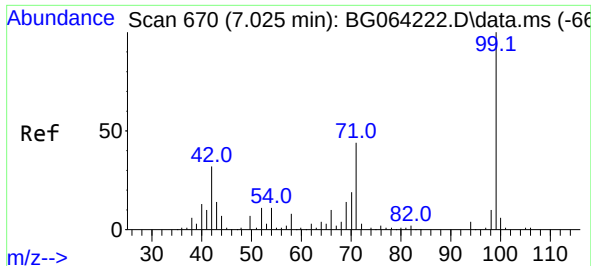
Tgt Ion:152 Resp: 20950
Ion Ratio Lower Upper
152 100
150 153.8 128.0 192.0
115 66.6 55.7 83.5



#5
2-Fluorophenol
Concen: 71.137 ng
RT: 5.437 min Scan# 400
Delta R.T. -0.007 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

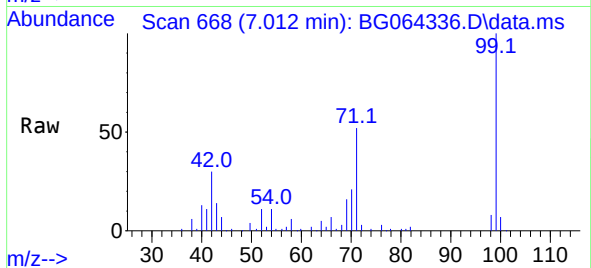
Tgt Ion:112 Resp: 83068
Ion Ratio Lower Upper
112 100
64 61.2 51.8 77.6
63 41.8 30.6 45.8



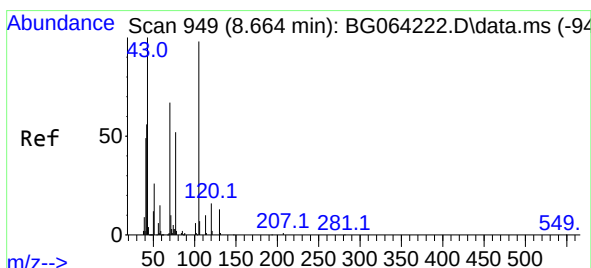
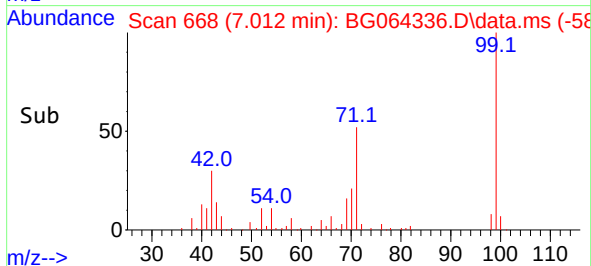
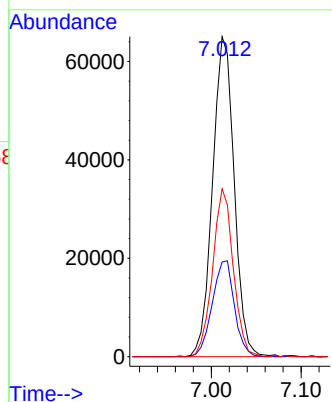


#7
Phenol-d6
Concen: 67.718 ng
RT: 7.012 min Scan# 60
Delta R.T. -0.019 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

Instrument :
BNA_G
ClientSampleId :

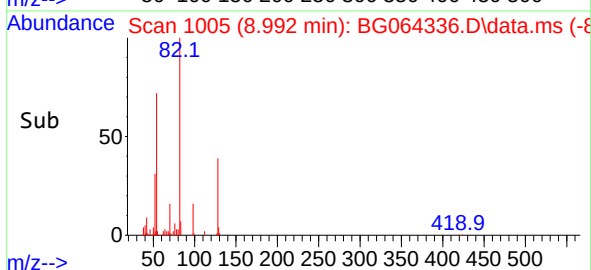
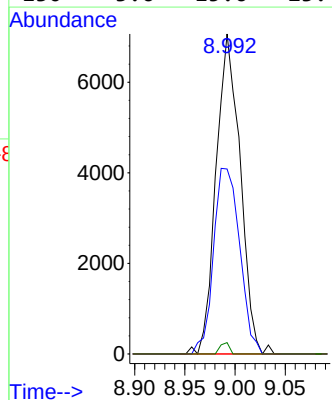
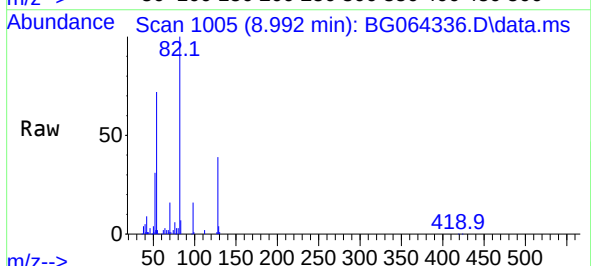


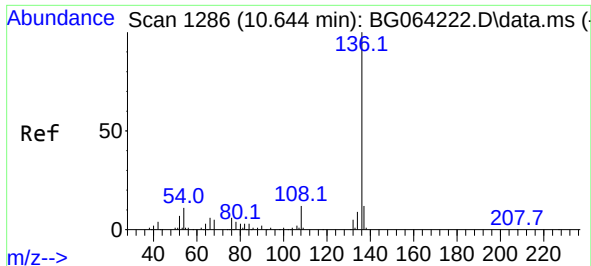
Tgt Ion: 99 Resp: 108636
Ion Ratio Lower Upper
99 100
42 29.6 25.8 38.8
71 52.5 35.2 52.8



#19
n-Nitroso-di-n-propylamine
Concen: 9.604 ng
RT: 8.992 min Scan# 1005
Delta R.T. 0.328 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

Tgt Ion: 70 Resp: 11792
Ion Ratio Lower Upper
70 100
42 57.8 67.9 101.9#
101 0.0 7.3 10.9#
130 3.6 15.6 23.4#

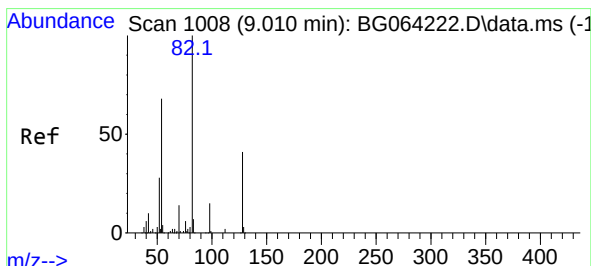
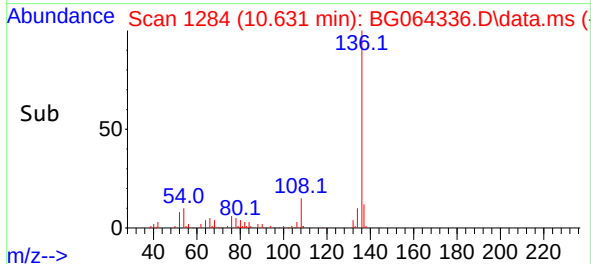
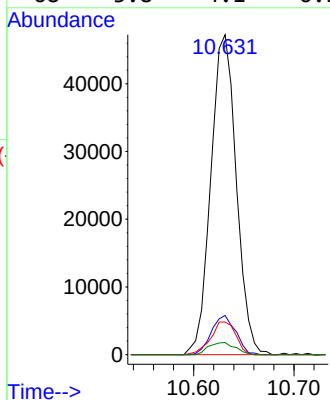
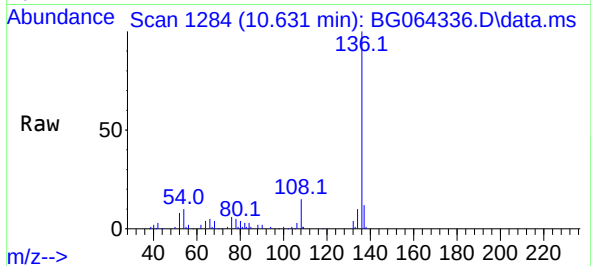




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.631 min Scan# 11
Delta R.T. -0.019 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

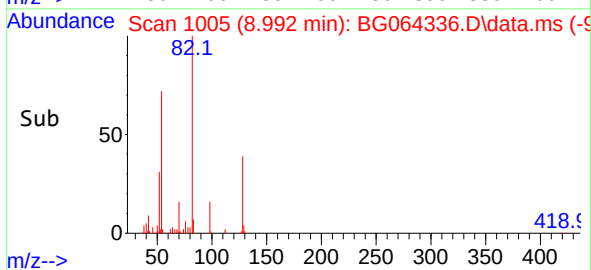
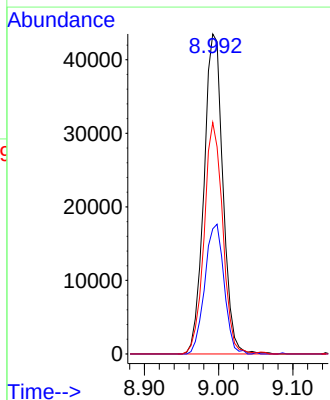
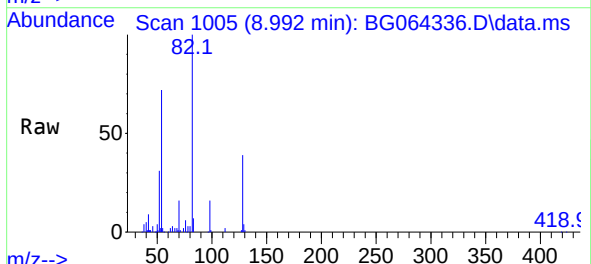
Instrument :
BNA_G
ClientSampleId :

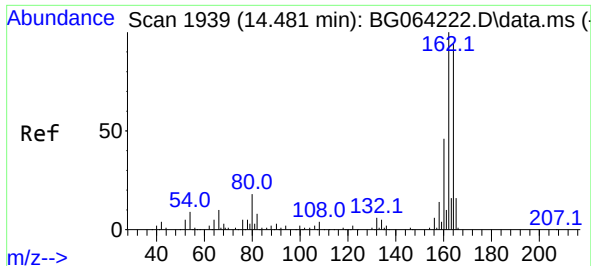
Tgt Ion:136	Resp:	83214
Ion Ratio	Lower	Upper
136	100	
137	12.3	9.6 14.4
54	10.2	8.8 13.2
68	3.8	4.1 6.1#



#23
Nitrobenzene-d5
Concen: 51.677 ng
RT: 8.992 min Scan# 1005
Delta R.T. -0.025 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

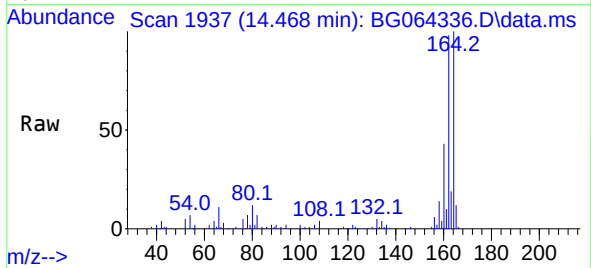
Tgt Ion: 82	Resp:	77107
Ion Ratio	Lower	Upper
82	100	
128	39.1	32.6 48.8
54	72.3	54.7 82.1



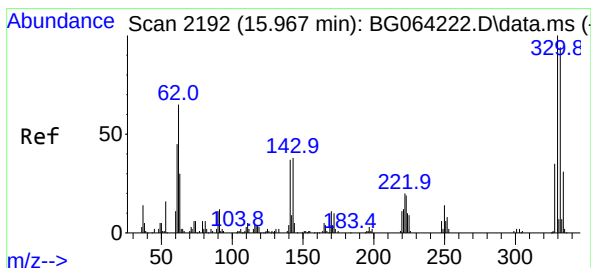
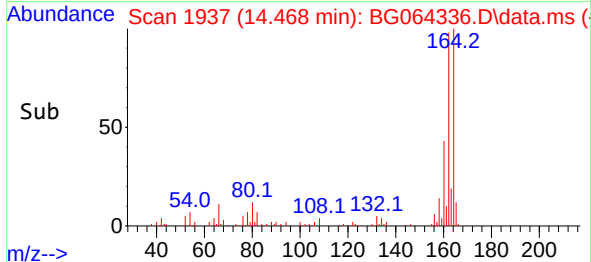
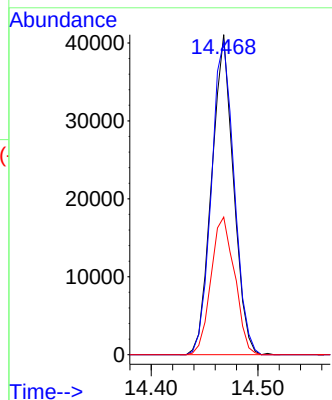


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.468 min Scan# 1937
Delta R.T. -0.013 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

Instrument :
BNA_G
ClientSampleId :

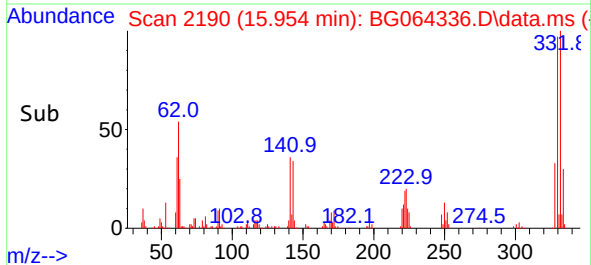
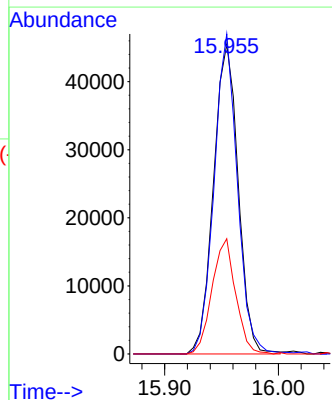
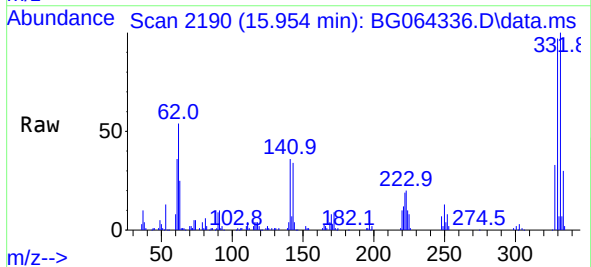


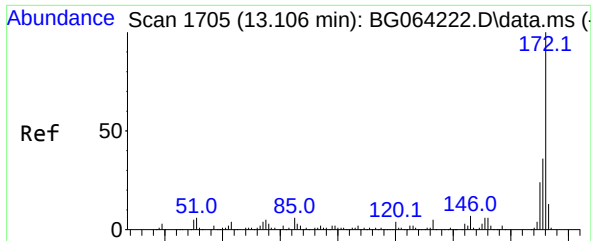
Tgt Ion:164 Resp: 58427
Ion Ratio Lower Upper
164 100
162 97.9 85.4 128.0
160 43.0 39.2 58.8



#42
2,4,6-Tribromophenol
Concen: 88.726 ng
RT: 15.954 min Scan# 2190
Delta R.T. -0.019 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

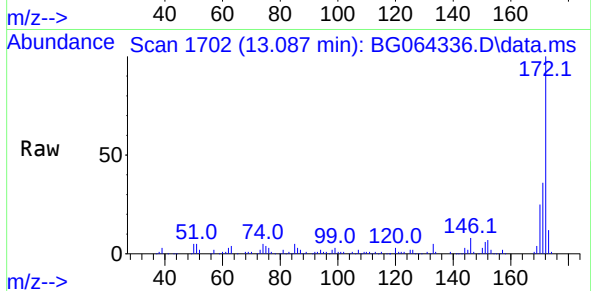
Tgt Ion:330 Resp: 68664
Ion Ratio Lower Upper
330 100
332 97.5 77.6 116.4
141 35.7 29.8 44.6



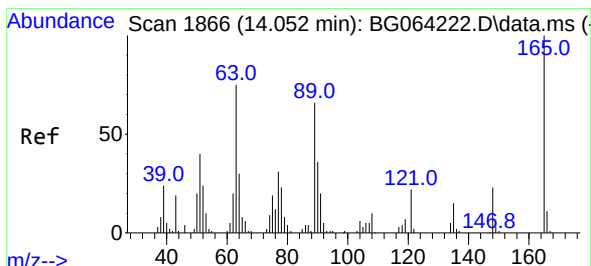
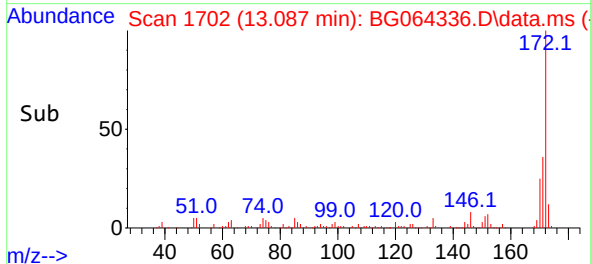
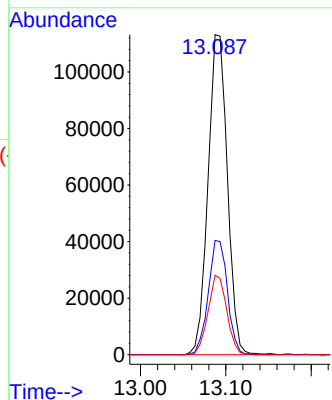


#45
2-Fluorobiphenyl
Concen: 46.635 ng
RT: 13.087 min Scan# 1
Delta R.T. -0.025 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

Instrument :
BNA_G
ClientSampleId :

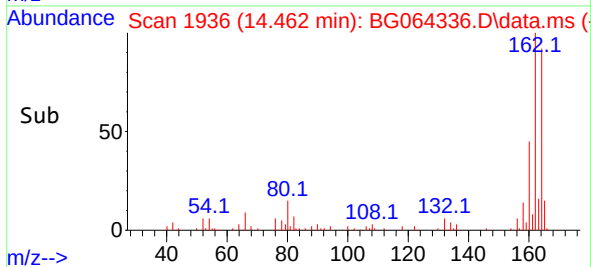
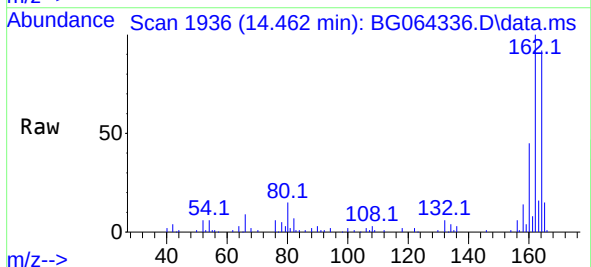
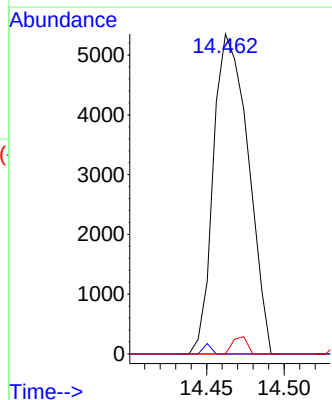


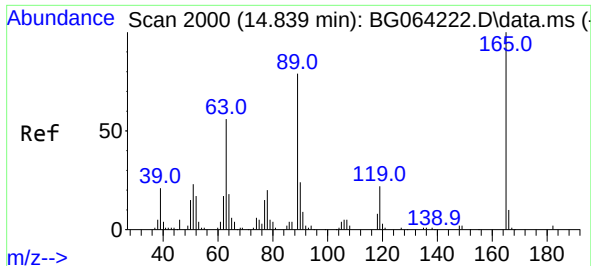
Tgt Ion:172 Resp: 178514
Ion Ratio Lower Upper
172 100
171 35.7 28.7 43.1
170 24.9 19.0 28.6



#51
2,6-Dinitrotoluene
Concen: 9.749 ng
RT: 14.462 min Scan# 1936
Delta R.T. 0.404 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

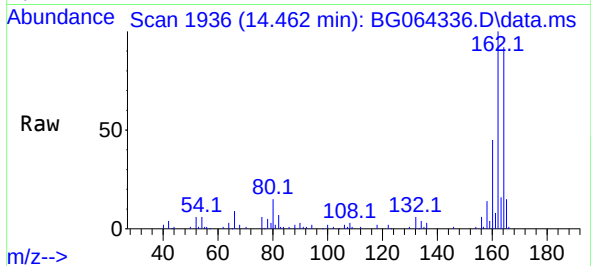
Tgt Ion:165 Resp: 8347
Ion Ratio Lower Upper
165 100
63 0.0 60.3 90.5#
89 0.0 52.9 79.3#



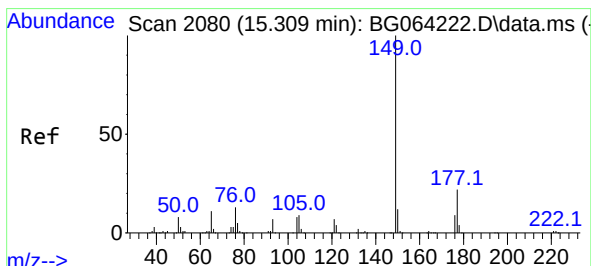
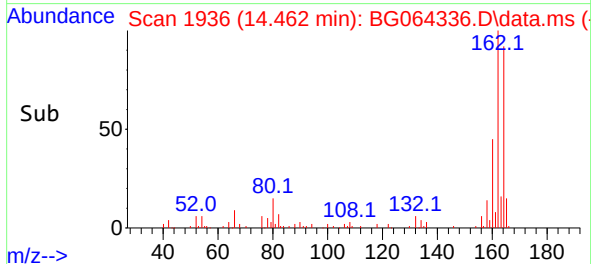
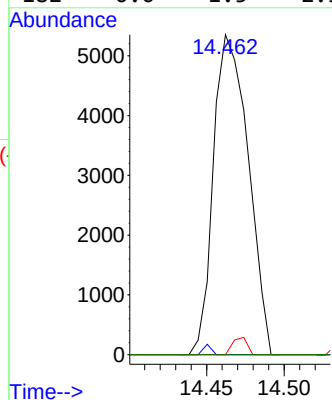


#57
2,4-Dinitrotoluene
Concen: 6.448 ng
RT: 14.462 min Scan# 1936
Delta R.T. -0.383 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

Instrument :
BNA_G
ClientSampleId :

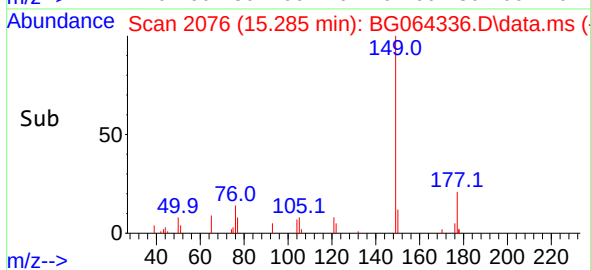
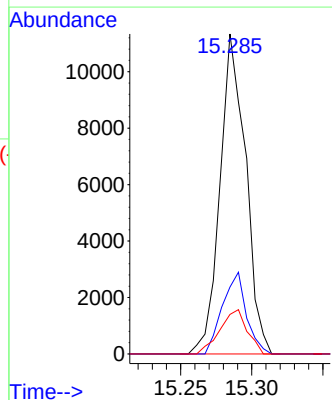
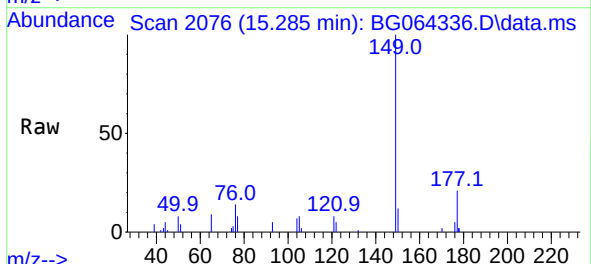


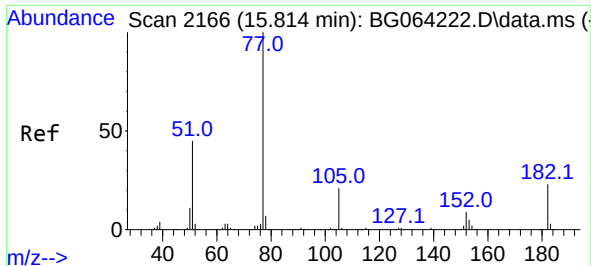
Tgt Ion:165 Resp: 8347
Ion Ratio Lower Upper
165 100
63 0.0 44.6 67.0#
89 0.0 63.0 94.4#
182 0.0 1.5 2.3#



#60
Diethylphthalate
Concen: 3.005 ng
RT: 15.285 min Scan# 2076
Delta R.T. -0.030 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

Tgt Ion:149 Resp: 14222
Ion Ratio Lower Upper
149 100
177 20.9 17.5 26.3
150 12.3 9.9 14.9



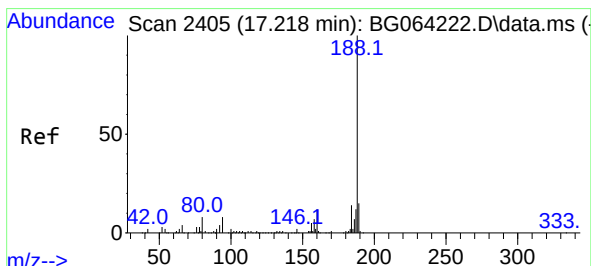
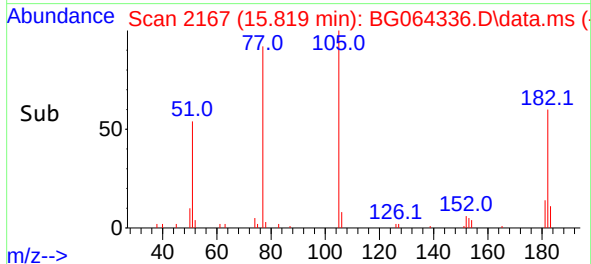
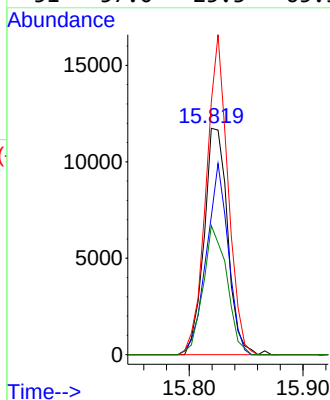
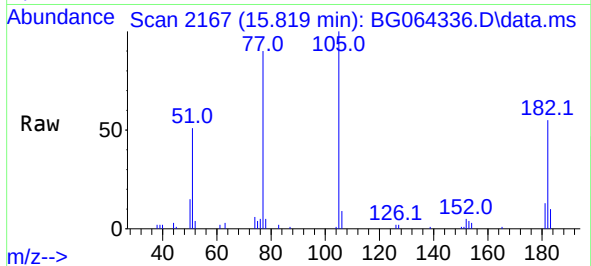


#63
Azobenzene
Concen: 3.997 ng
RT: 15.819 min Scan# 2166
Delta R.T. -0.001 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion: 77 Resp: 16863

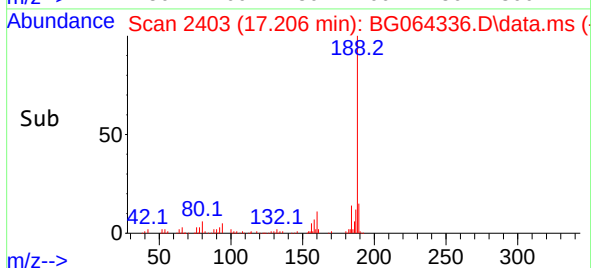
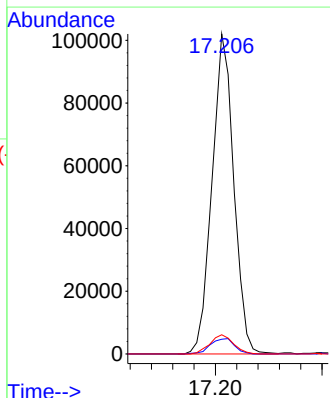
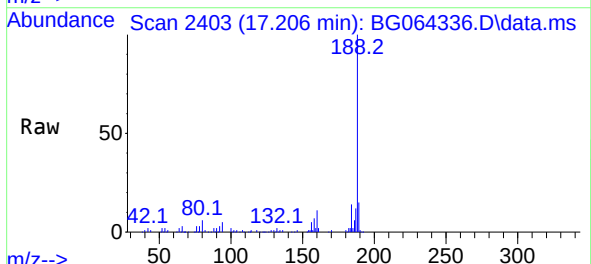
Ion	Ratio	Lower	Upper
77	100		
182	61.1	3.3	43.3#
105	111.6	0.6	40.6#
51	57.0	25.3	65.3

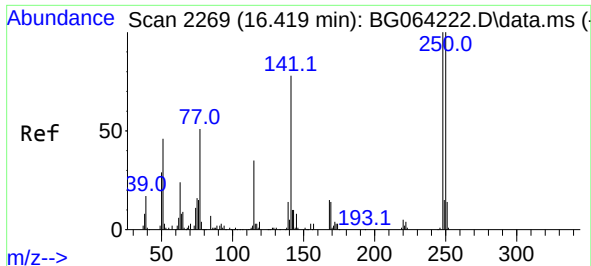


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.206 min Scan# 2403
Delta R.T. -0.019 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

Tgt Ion: 188 Resp: 144132

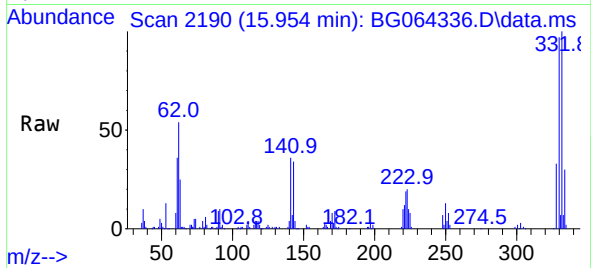
Ion	Ratio	Lower	Upper
188	100		
94	4.6	6.2	9.4#
80	6.0	6.8	10.2#



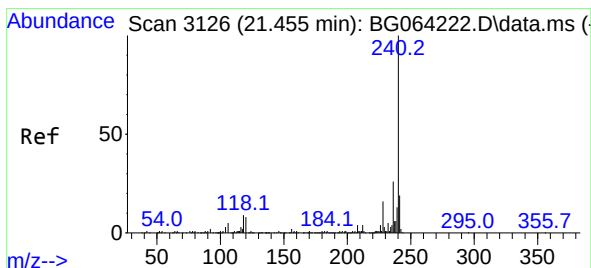
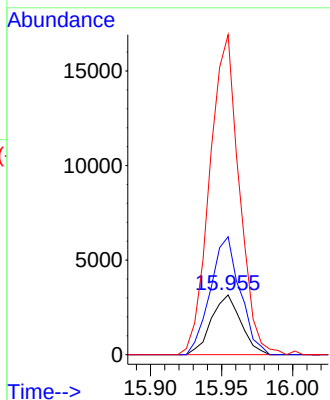
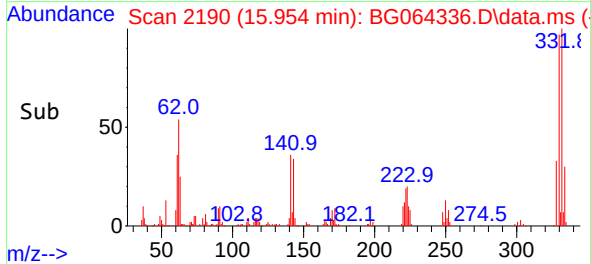


#67
4-Bromophenyl-phenylether
Concen: 2.990 ng
RT: 15.954 min Scan# 21
Delta R.T. -0.465 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

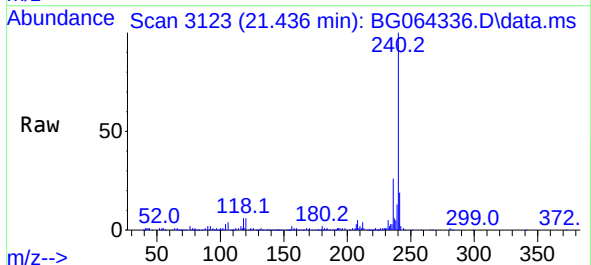
Instrument :
BNA_G
ClientSampleId :



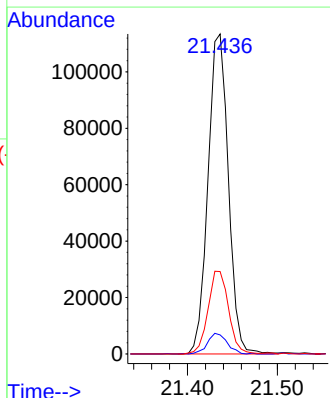
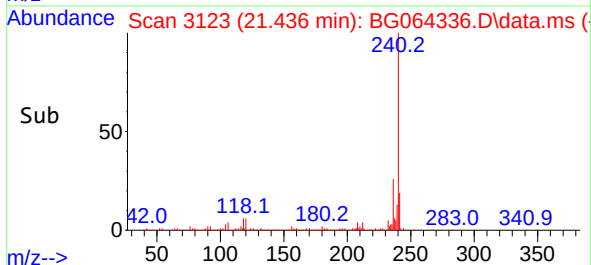
Tgt Ion:248 Resp: 4578
Ion Ratio Lower Upper
248 100
250 197.3 80.2 120.4#
141 535.6 62.4 93.6#

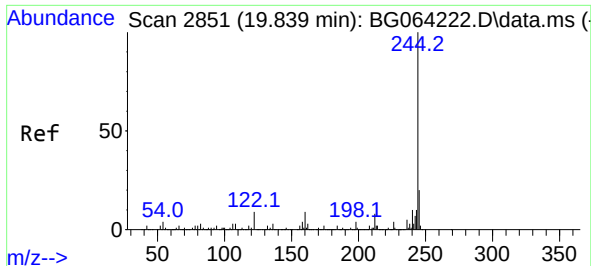


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.436 min Scan# 3123
Delta R.T. -0.019 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25



Tgt Ion:240 Resp: 178481
Ion Ratio Lower Upper
240 100
120 6.0 6.2 9.4#
236 25.8 20.5 30.7

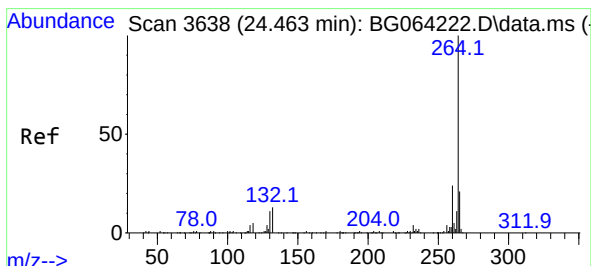
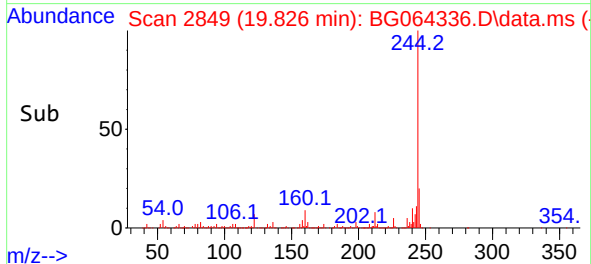
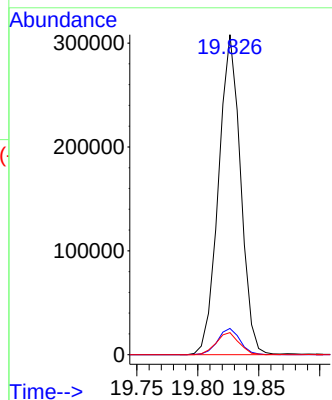
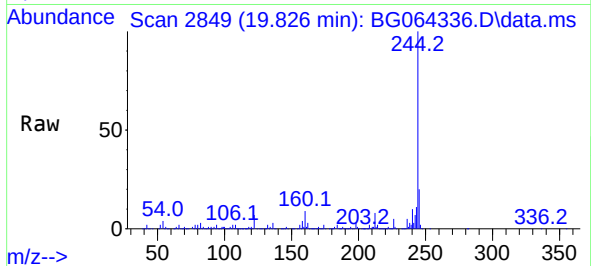




#79
Terphenyl-d14
Concen: 45.290 ng
RT: 19.826 min Scan# 2849
Delta R.T. -0.019 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:244 Resp: 387440
Ion Ratio Lower Upper
244 100
212 8.2 6.6 10.0
122 6.9 7.0 10.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 24.433 min Scan# 3633
Delta R.T. -0.030 min
Lab File: BG064336.D
Acq: 10 Sep 2025 17:25

Tgt Ion:264 Resp: 205069
Ion Ratio Lower Upper
264 100
260 22.1 18.9 28.3
265 21.4 16.7 25.1

