

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102521\
 Data File : BG050718.D
 Acq On : 25 Oct 2021 20:07
 Operator : CG/JU
 Sample : M4290-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TH-BS

Quant Time: Oct 26 02:16:03 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

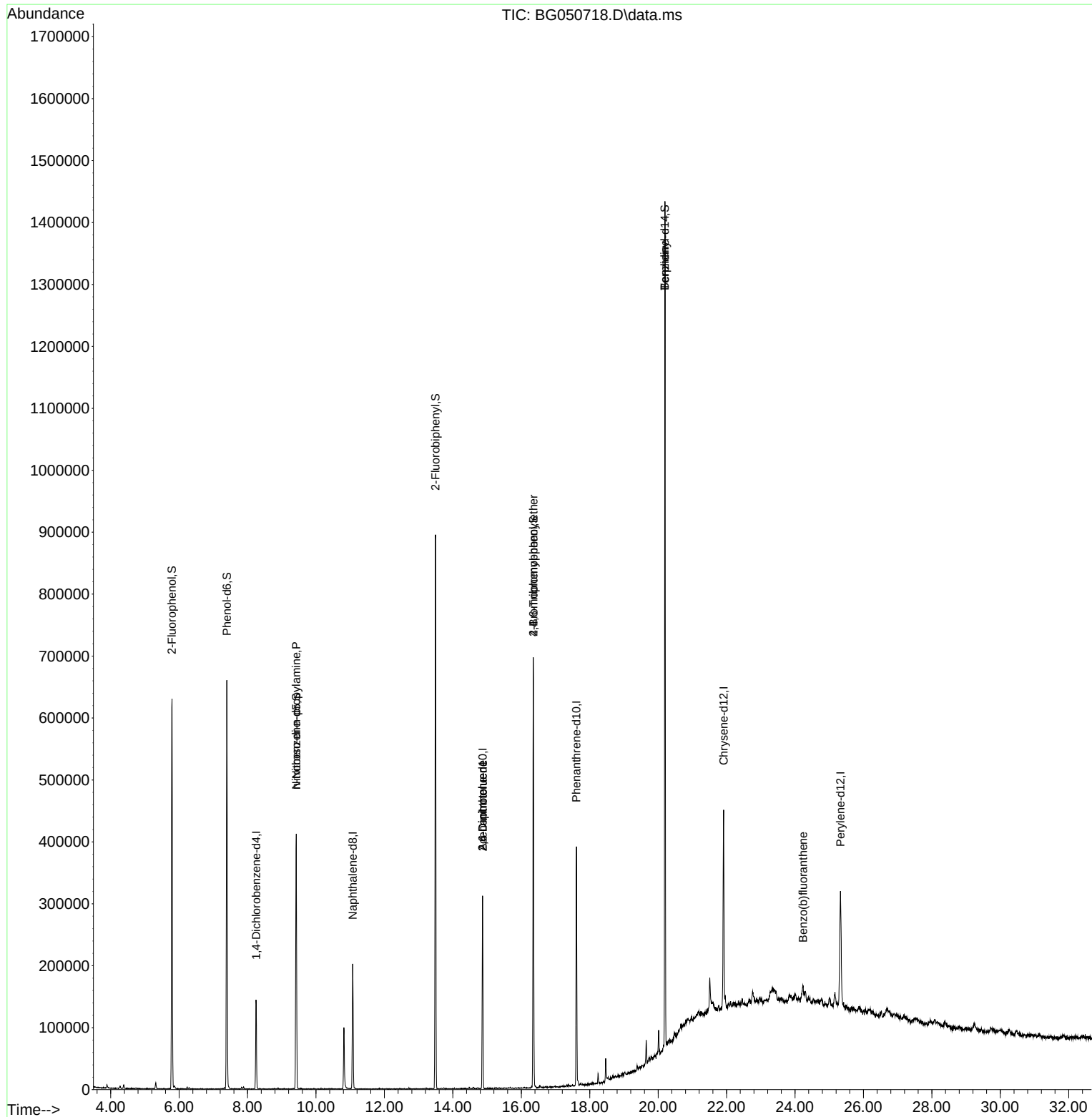
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.253	152	38265	20.000	ng	0.00
21) Naphthalene-d8	11.073	136	167065	20.000	ng	#-0.01
39) Acenaphthene-d10	14.869	164	108167	20.000	ng	0.00
64) Phenanthrene-d10	17.613	188	231302	20.000	ng	# 0.00
76) Chrysene-d12	21.914	240	189850	20.000	ng	#-0.01
86) Perylene-d12	25.327	264	186924	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	269048	105.154	ng	0.00
7) Phenol-d6	7.395	99	371047	100.163	ng	0.00
23) Nitrobenzene-d5	9.422	82	263842	65.375	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	101549	98.427	ng	0.00
45) 2-Fluorobiphenyl	13.494	172	454597	63.253	ng	-0.01
79) Terphenyl-d14	20.198	244	615614	63.193	ng	-0.01
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.378	77	407	Below Cal	#	57
19) n-Nitroso-di-n-propyla...	9.422	70	37916	14.043	ng	# 67
51) 2,6-Dinitrotoluene	14.869	165	14782	9.027	ng	# 11
57) 2,4-Dinitrotoluene	14.869	165	14782	6.404	ng	# 16
67) 4-Bromophenyl-phenylether	16.355	248	8546	3.667	ng	# 1
77) Benzidine	20.198	184	12516	2.034	ng	# 87
88) Benzo(b)fluoranthene	24.234	252	25147	2.197	ng	# 83

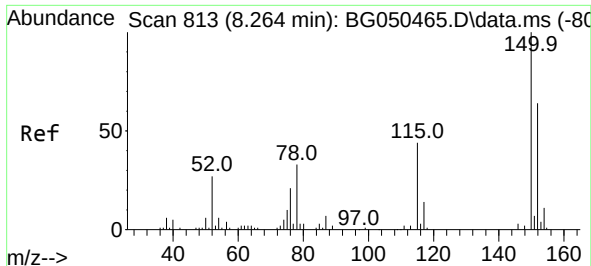
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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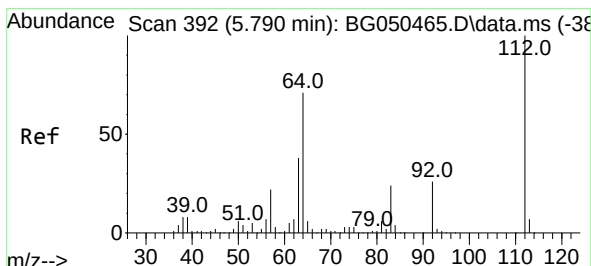
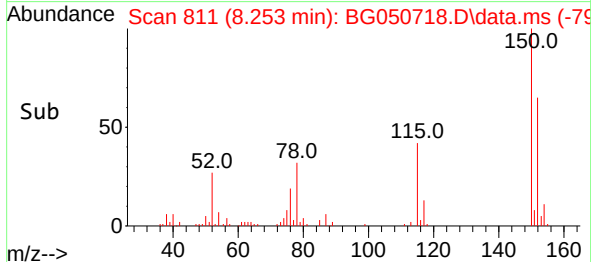
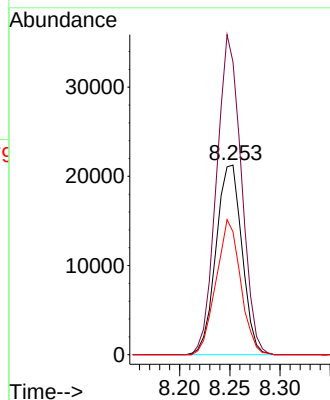
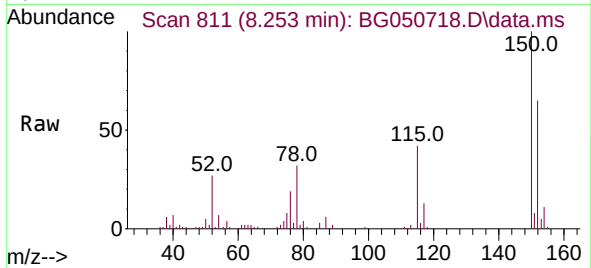




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.253 min Scan# 811
Delta R.T. -0.005 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

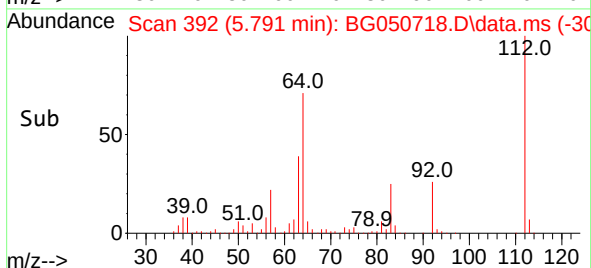
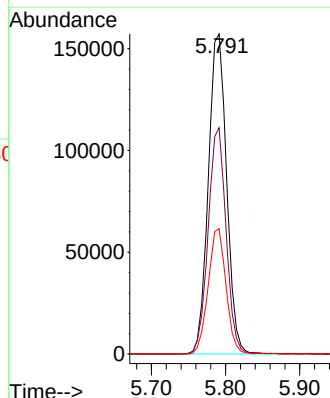
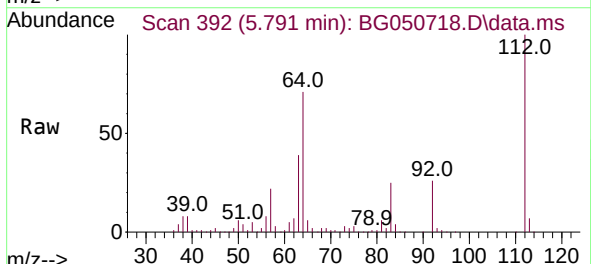
Instrument :
BNA_G
ClientSampleId :
TH-BS

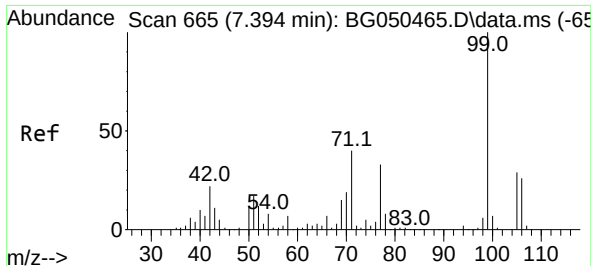
Tgt Ion:152 Resp: 38265
Ion Ratio Lower Upper
152 100
150 154.4 119.4 179.0
115 64.7 60.2 90.4



#5
2-Fluorophenol
Concen: 105.154 ng
RT: 5.791 min Scan# 392
Delta R.T. 0.001 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

Tgt Ion:112 Resp: 269048
Ion Ratio Lower Upper
112 100
64 70.7 46.7 70.1#
63 39.1 35.3 52.9

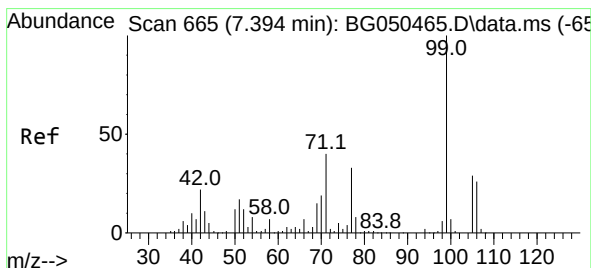
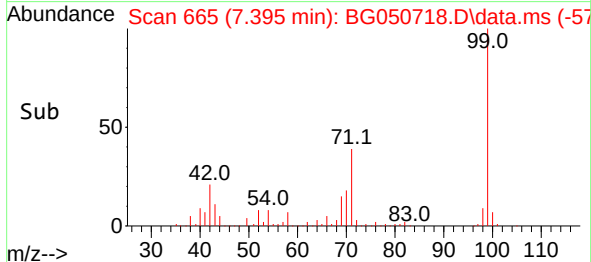
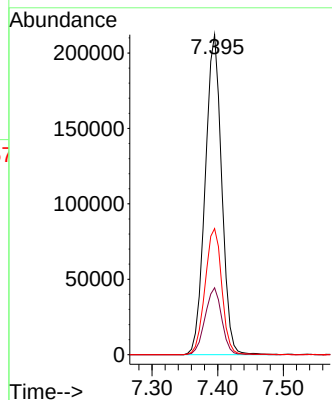
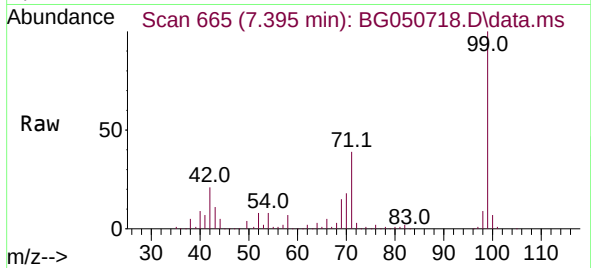




#7
Phenol-d6
Concen: 100.163 ng
RT: 7.395 min Scan# 665
Delta R.T. -0.005 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

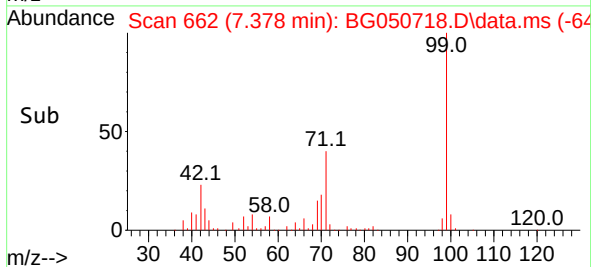
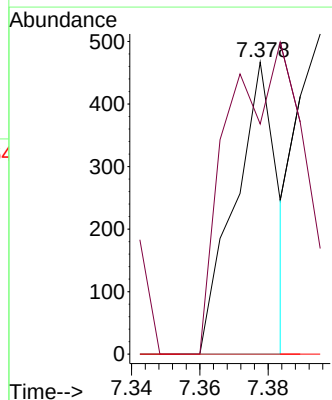
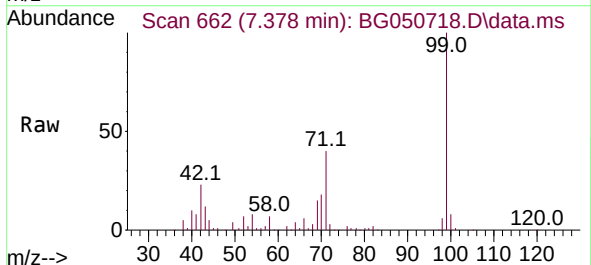
Instrument :
BNA_G
ClientSampled :
TH-BS

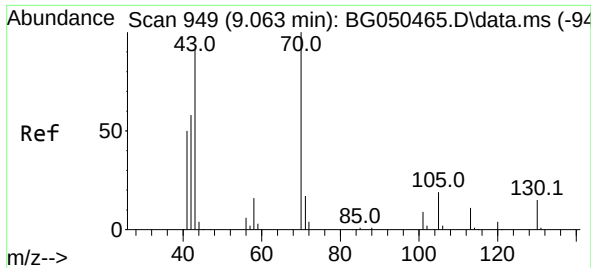
Tgt Ion: 99 Resp: 371047
Ion Ratio Lower Upper
99 100
42 20.9 20.5 30.7
71 39.4 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.378 min Scan# 662
Delta R.T. -0.011 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

Tgt Ion: 77 Resp: 407
Ion Ratio Lower Upper
77 100
105 78.8 68.8 108.8
106 0.0 47.9 87.9#

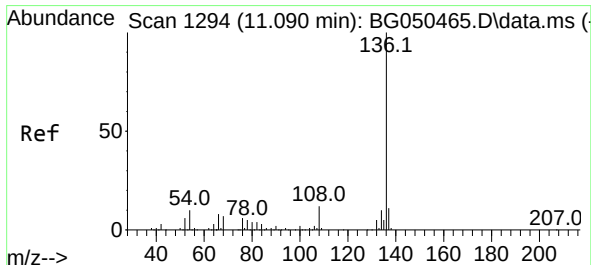
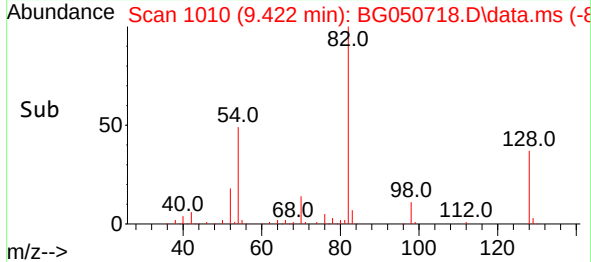
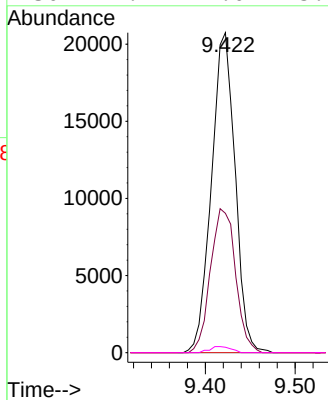
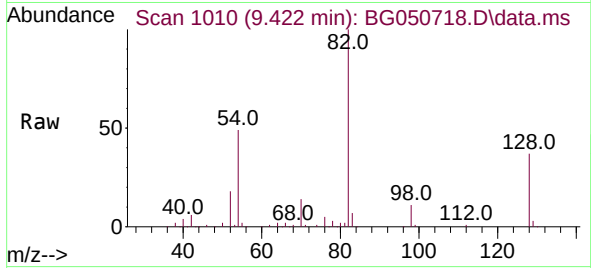




#19
n-Nitroso-di-n-propylamine
Concen: 14.043 ng
RT: 9.422 min Scan# 1010
Delta R.T. 0.365 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

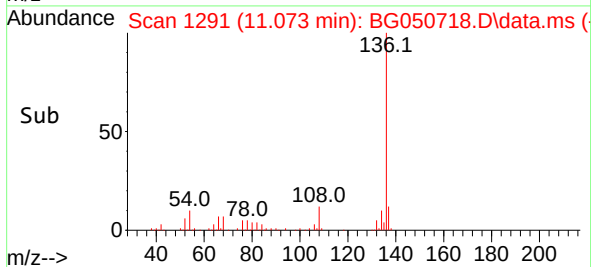
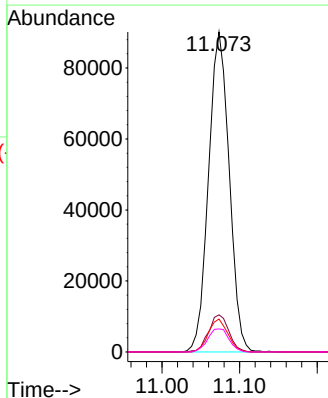
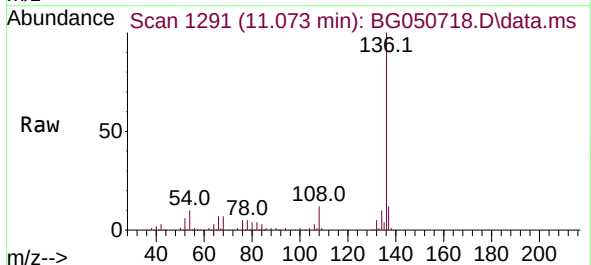
Instrument :
BNA_G
ClientSampled :
TH-BS

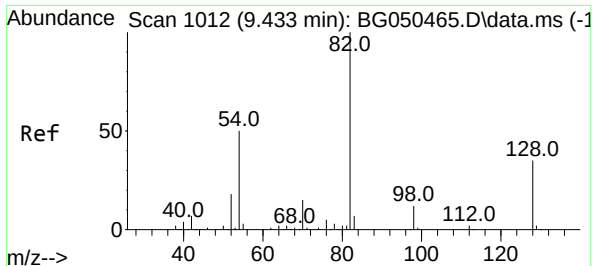
Tgt Ion:	70	Resp:	37916
Ion	Ratio	Lower	Upper
70	100		
42	43.5	54.5	81.7#
101	0.0	9.0	13.6#
130	1.7	17.0	25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.073 min Scan# 1291
Delta R.T. -0.011 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

Tgt Ion:	136	Resp:	167065
Ion	Ratio	Lower	Upper
136	100		
137	11.6	8.2	12.2
54	10.3	5.5	8.3#
68	7.2	2.3	3.5#





#23

Nitrobenzene-d5

Concen: 65.375 ng

RT: 9.422 min Scan# 1010

Delta R.T. -0.005 min

Lab File: BG050718.D

Acq: 25 Oct 2021 20:07

Tgt Ion: 82 Resp: 263842

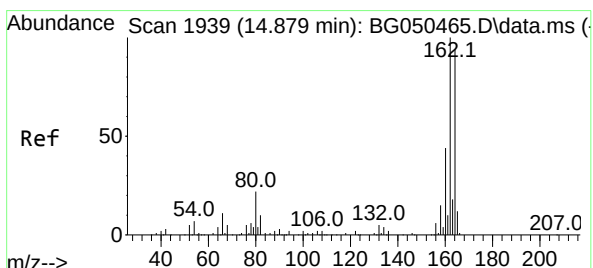
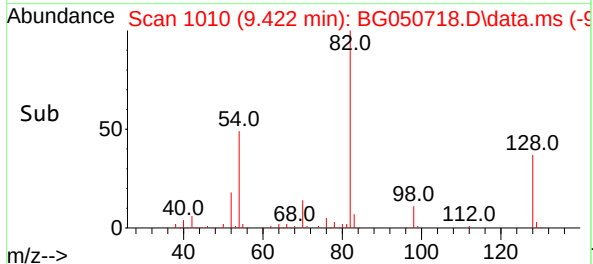
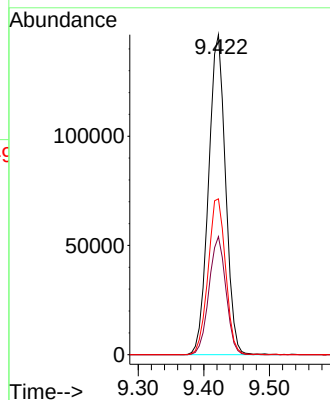
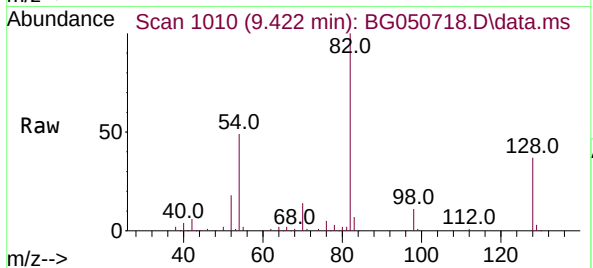
Ion	Ratio	Lower	Upper
82	100		
128	36.9	29.8	44.6
54	48.7	45.8	68.8

Instrument :

BNA_G

ClientSampleId :

TH-BS



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.869 min Scan# 1937

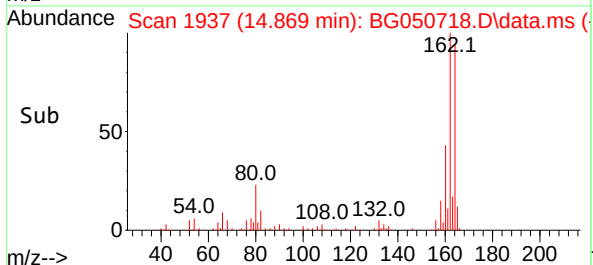
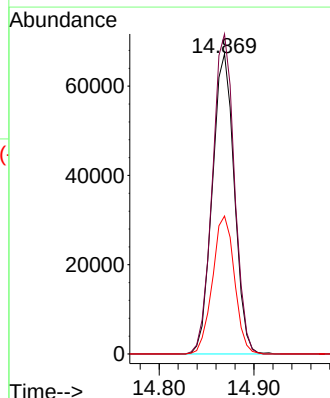
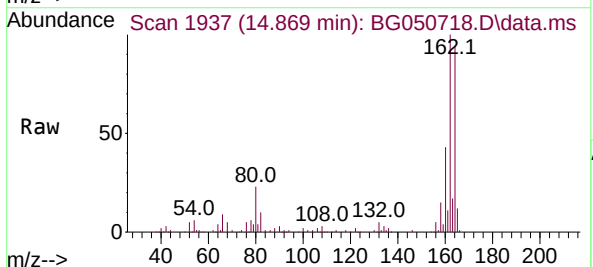
Delta R.T. -0.005 min

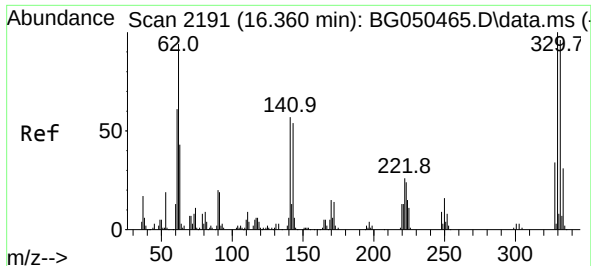
Lab File: BG050718.D

Acq: 25 Oct 2021 20:07

Tgt Ion:164 Resp: 108167

Ion	Ratio	Lower	Upper
164	100		
162	106.6	81.4	122.0
160	46.0	34.9	52.3

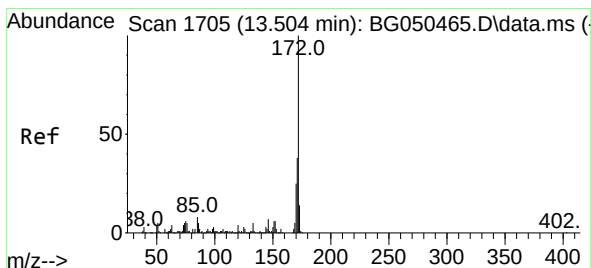
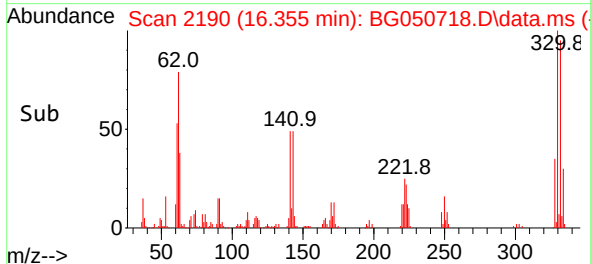
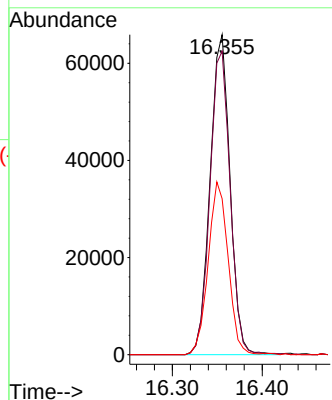
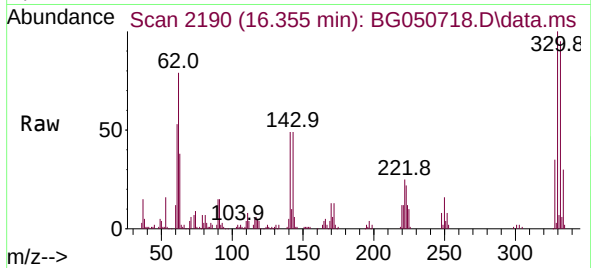




#42
2,4,6-Tribromophenol
Concen: 98.427 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.005 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

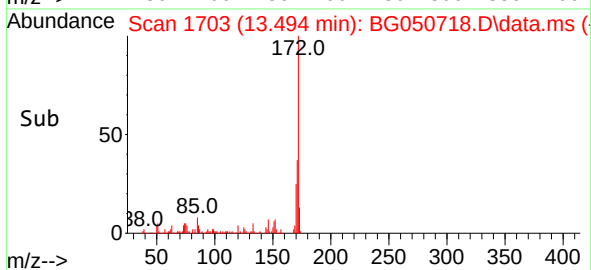
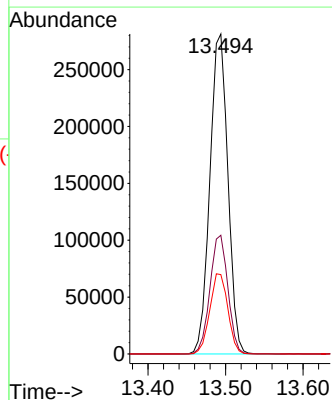
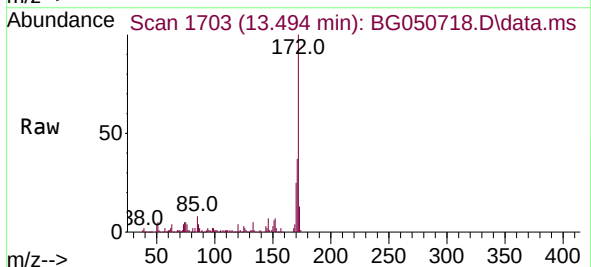
Instrument :
BNA_G
ClientSampleId :
TH-BS

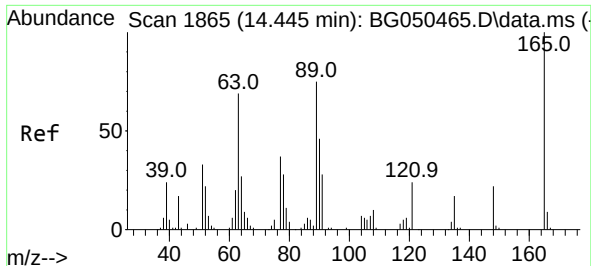
Tgt Ion:330 Resp: 101549
Ion Ratio Lower Upper
330 100
332 96.2 77.3 115.9
141 53.9 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 63.253 ng
RT: 13.494 min Scan# 1703
Delta R.T. -0.011 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

Tgt Ion:172 Resp: 454597
Ion Ratio Lower Upper
172 100
171 37.1 28.6 43.0
170 24.8 18.6 27.8

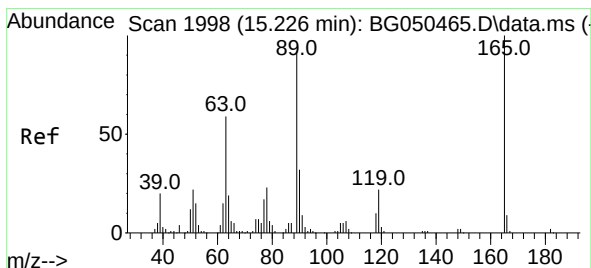
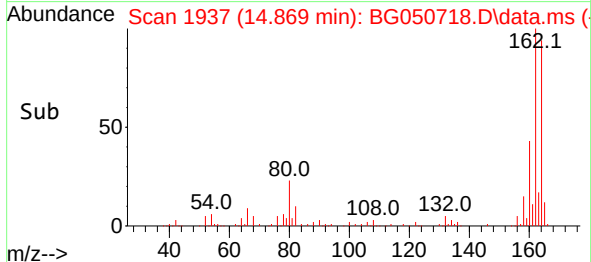
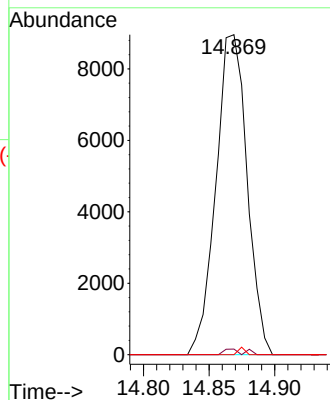
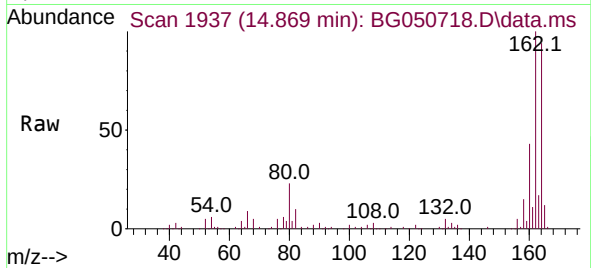




#51
2,6-Dinitrotoluene
Concen: 9.027 ng
RT: 14.869 min Scan# 1937
Delta R.T. 0.424 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

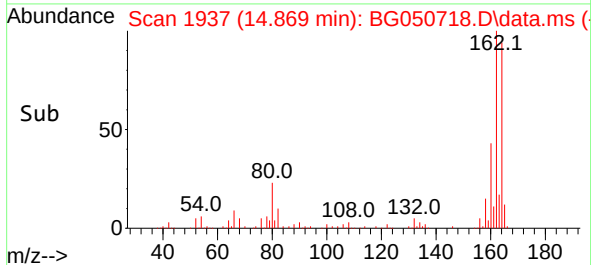
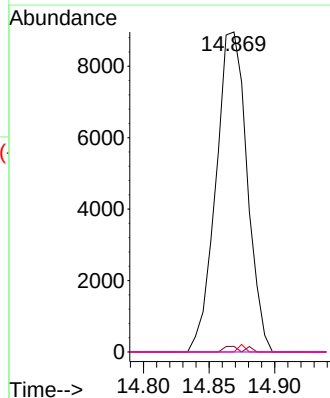
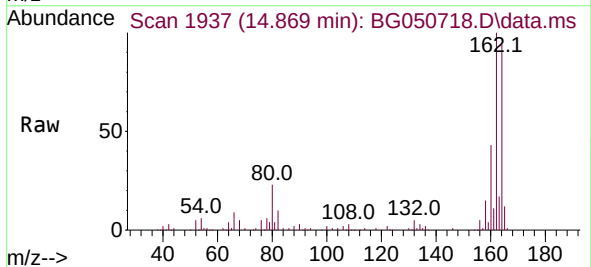
Instrument :
BNA_G
ClientSampled :
TH-BS

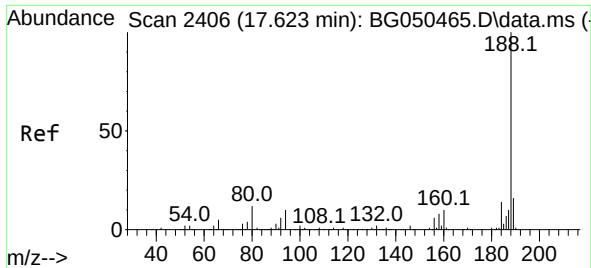
Tgt Ion:165 Resp: 14782
Ion Ratio Lower Upper
165 100
63 1.7 63.3 94.9#
89 0.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.404 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.358 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

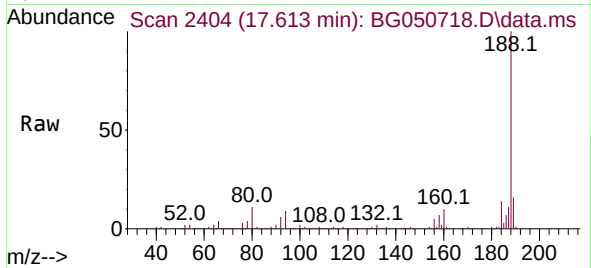
Tgt Ion:165 Resp: 14782
Ion Ratio Lower Upper
165 100
63 1.7 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#



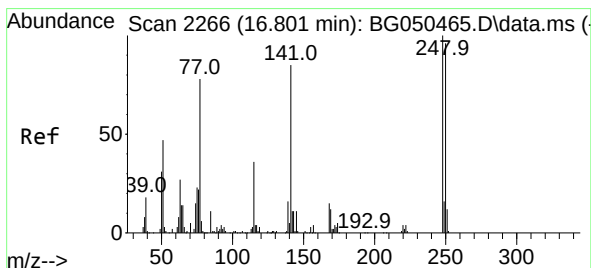
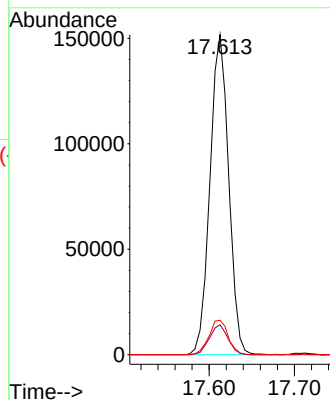
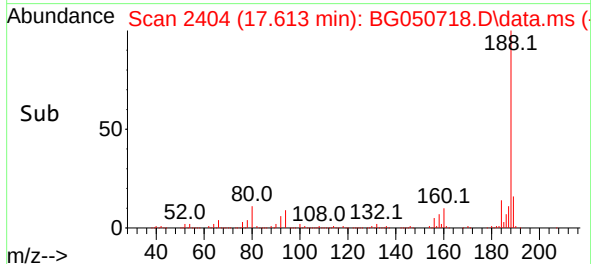


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.613 min Scan# 2404
Delta R.T. -0.005 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

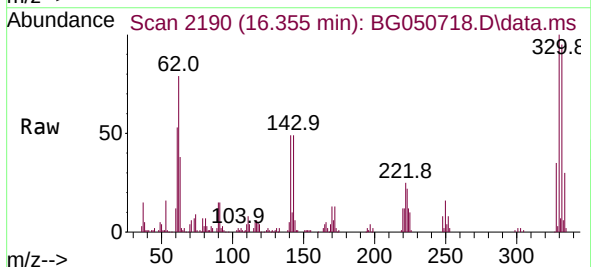
Instrument :
BNA_G
ClientSampleId :
TH-BS



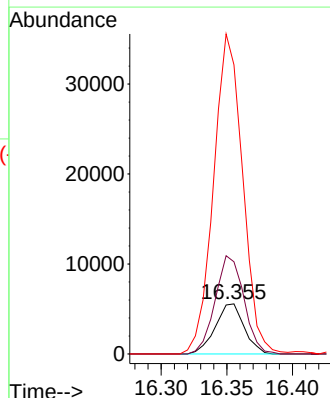
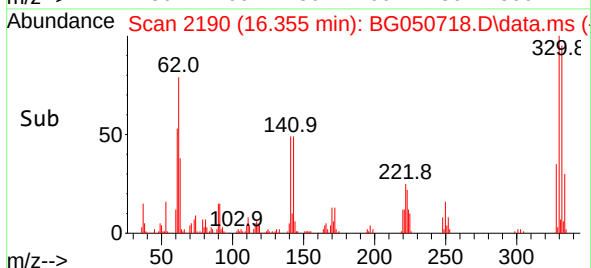
Tgt Ion:188 Resp: 231302
Ion Ratio Lower Upper
188 100
94 9.4 5.4 8.0#
80 10.7 3.7 5.5#

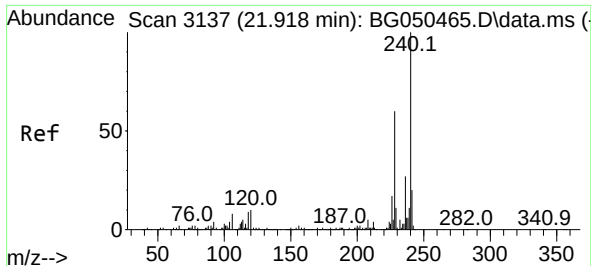


#67
4-Bromophenyl-phenylether
Concen: 3.667 ng
RT: 16.355 min Scan# 2190
Delta R.T. -0.446 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07



Tgt Ion:248 Resp: 8546
Ion Ratio Lower Upper
248 100
250 184.2 76.1 114.1#
141 578.0 65.4 98.2#

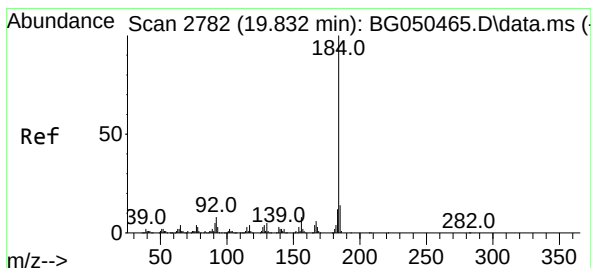
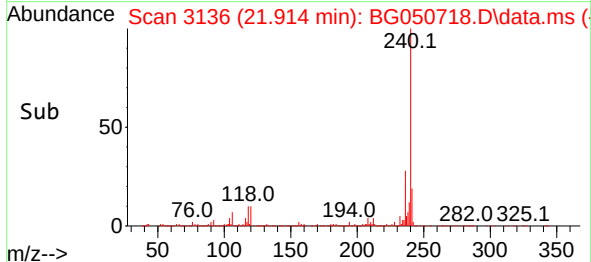
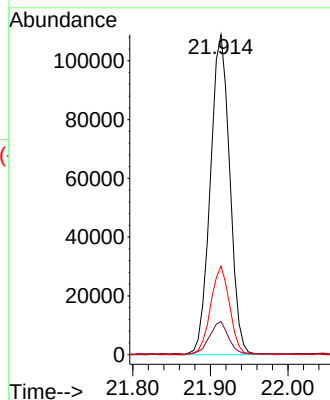
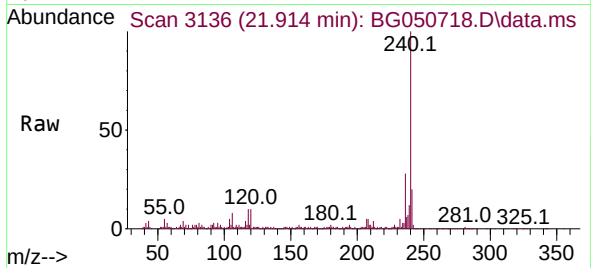




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.914 min Scan# 3136
Delta R.T. -0.011 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

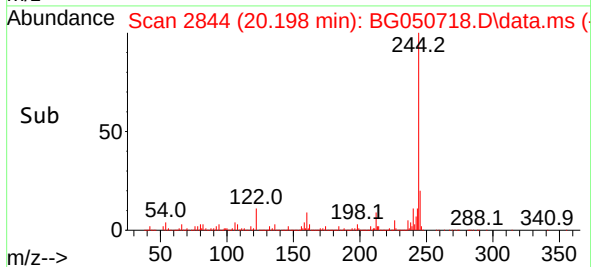
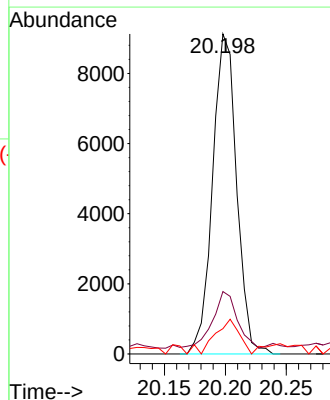
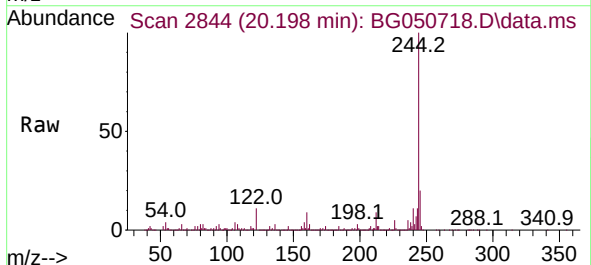
Instrument :
BNA_G
ClientSampleId :
TH-BS

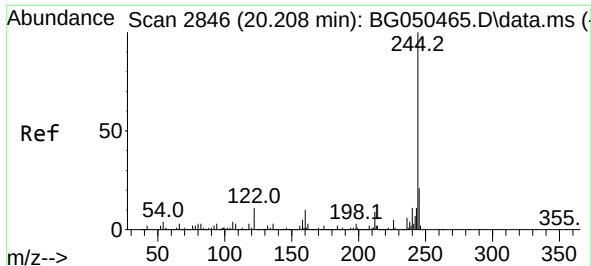
Tgt Ion:240 Resp: 189850
Ion Ratio Lower Upper
240 100
120 10.4 4.2 6.2#
236 27.7 21.8 32.6



#77
Benzidine
Concen: 2.034 ng
RT: 20.198 min Scan# 2844
Delta R.T. 0.365 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

Tgt Ion:184 Resp: 12516
Ion Ratio Lower Upper
184 100
185 19.5 10.7 16.1#
183 7.9 9.4 14.0#

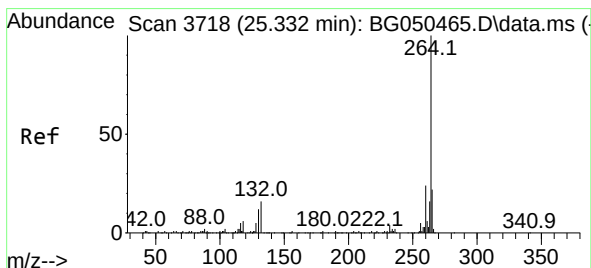
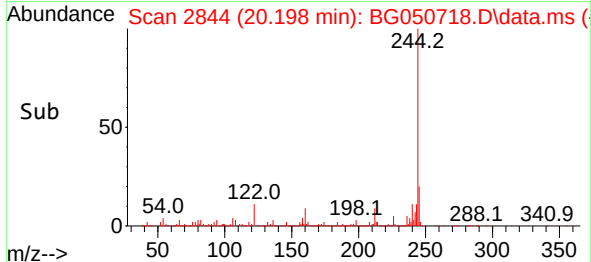
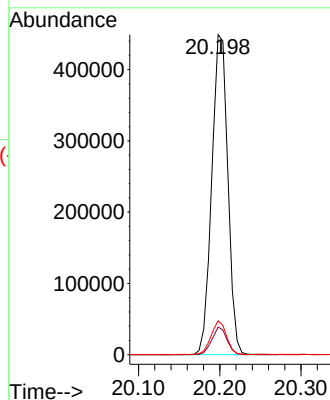
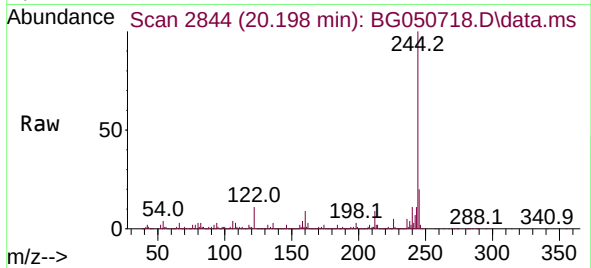




#79
Terphenyl-d14
Concen: 63.193 ng
RT: 20.198 min Scan# 2844
Delta R.T. -0.011 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

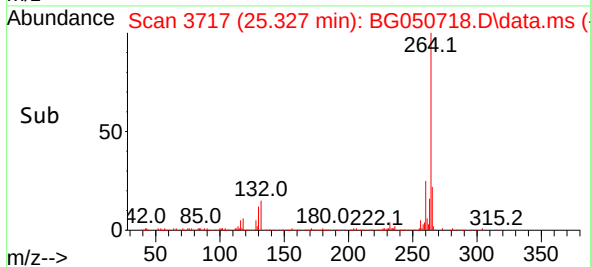
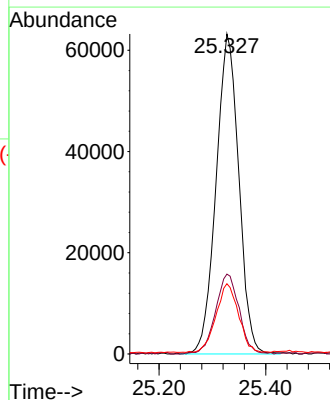
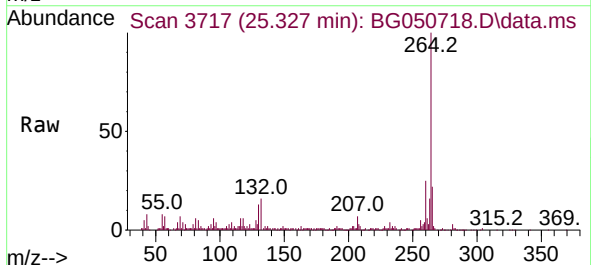
Instrument :
BNA_G
ClientSampleId :
TH-BS

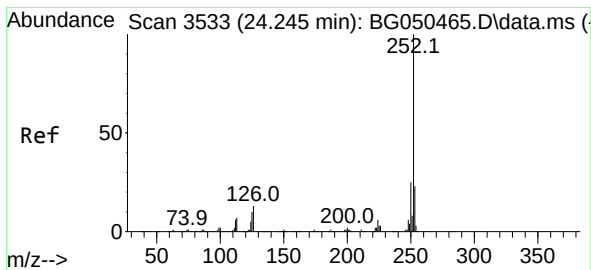
Tgt Ion:244 Resp: 615614
Ion Ratio Lower Upper
244 100
212 8.7 6.9 10.3
122 10.6 5.0 7.6#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.327 min Scan# 3717
Delta R.T. -0.005 min
Lab File: BG050718.D
Acq: 25 Oct 2021 20:07

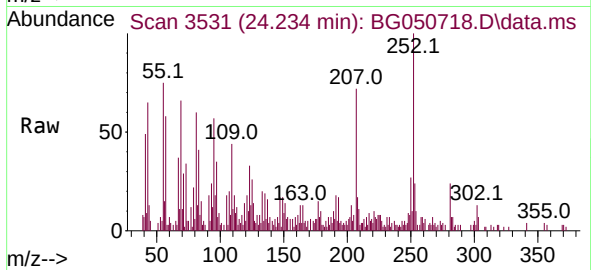
Tgt Ion:264 Resp: 186924
Ion Ratio Lower Upper
264 100
260 25.0 19.4 29.2
265 21.9 16.9 25.3





#88
 Benzo(b)fluoranthene
 Concen: 2.197 ng
 RT: 24.234 min Scan# 3531
 Delta R.T. -0.011 min
 Lab File: BG050718.D
 Acq: 25 Oct 2021 20:07

Instrument :
 BNA_G
 ClientSampleId :
 TH-BS



Tgt Ion:252	Resp:	25147
Ion Ratio	Lower	Upper
252	100	
253	23.8	16.2 24.4
125	25.5	3.0 4.4#

