

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\
 Data File : BG040717.D
 Acq On : 2 May 2019 21:32
 Operator : JU/SJ
 Sample : K2627-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-1

Quant Time: May 03 04:24:32 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG042319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 24 05:35:33 2019
 Response via : Initial Calibration

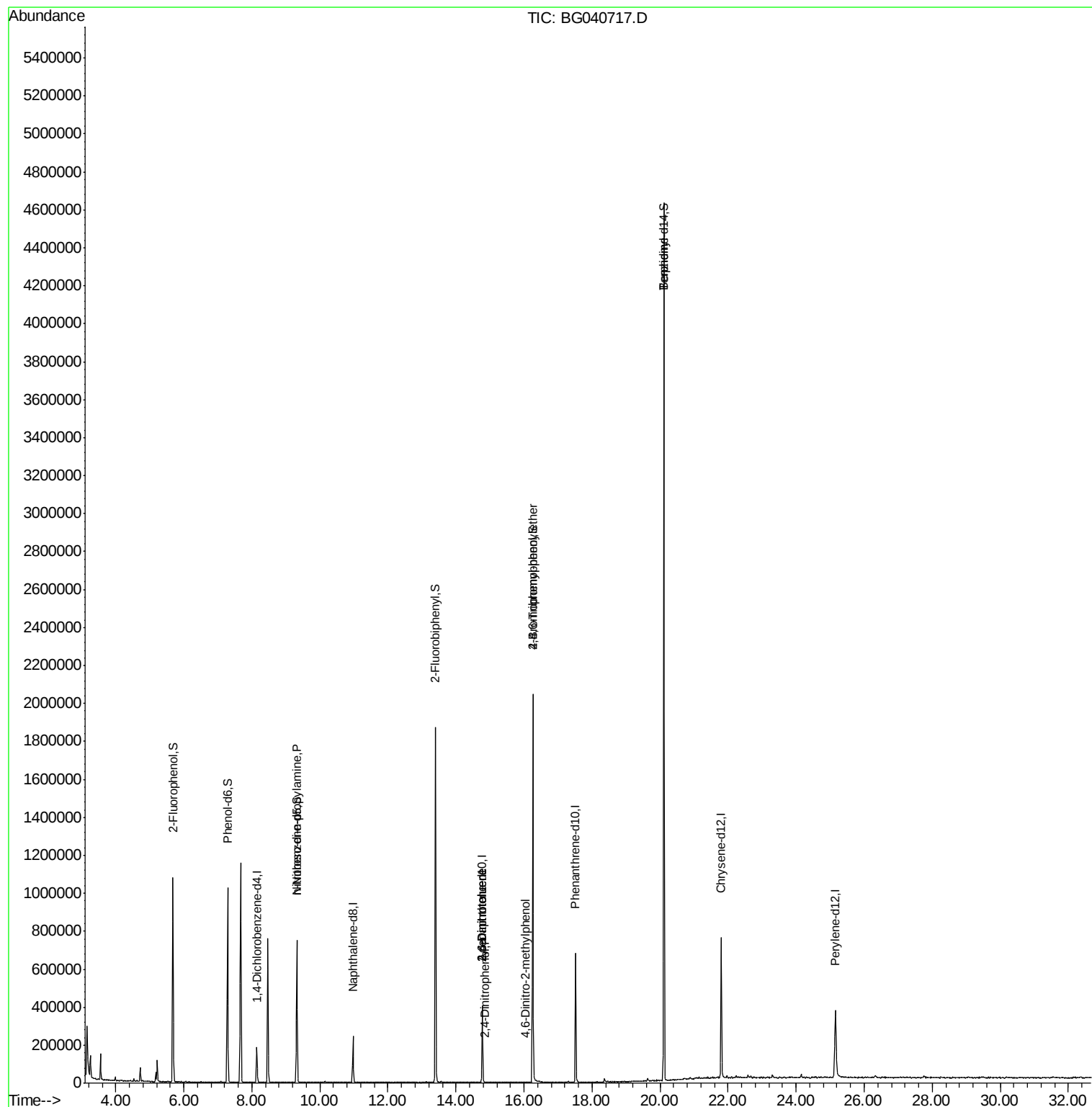
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	47570	20.00	ng	0.00
21) Naphthalene-d8	10.97	136	187201	20.00	ng	-0.01
39) Acenaphthene-d10	14.77	164	138062	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	402776	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	434072	20.00	ng	-0.03
87) Perylene-d12	25.15	264	440667	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	388650	144.02	ng	0.00
7) Phenol-d6	7.29	99	509348	122.58	ng	0.00
23) Nitrobenzene-d5	9.33	82	450439	111.18	ng	-0.01
42) 2,4,6-Tribromophenol	16.26	330	359857	189.63	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	938774	98.20	ng	-0.01
79) Terphenyl-d14	20.11	244	2057847	105.03	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.29	77	1403	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	9.33	70	65785	17.588 ng	#	6
51) 2,6-Dinitrotoluene	14.77	165	16906	7.499 ng	#	71
54) 2,4-Dinitrophenol	14.85	184	63	7.060 ng	#	14
57) 2,4-Dinitrotoluene	14.77	165	16906	5.519 ng	#	21
65) 4,6-Dinitro-2-methylphenol	16.05	198	68	7.130 ng	#	16
67) 4-Bromophenyl-phenylether	16.26	248	26842	5.349 ng	#	28
77) Benzydine	20.11	184	40872	3.439 ng	#	1
					#	94

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

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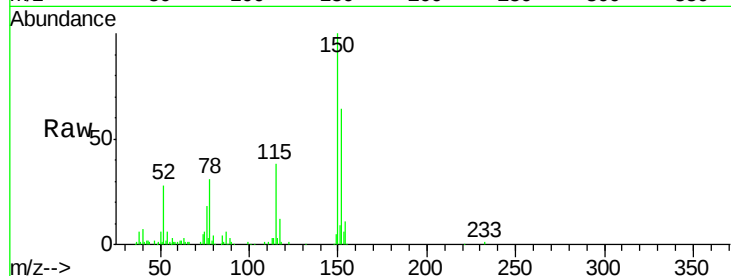


#1

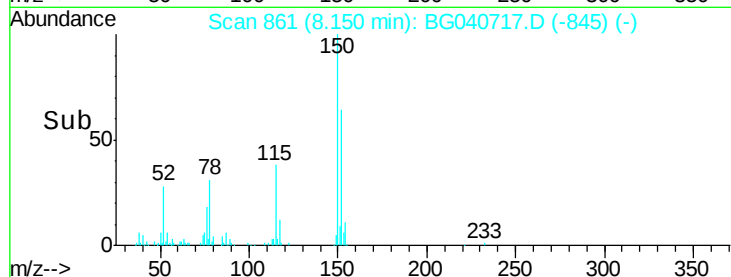
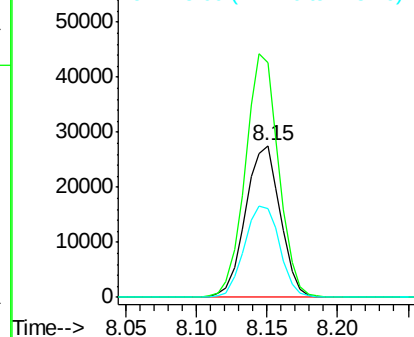
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040717.D
Acq: 2 May 2019 21:32

Instrument :
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ClientSampleId :
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Tot Ion	152	Resp	47570
Ion Ratio	Lower	Upper	
152	100		
150	155.0	120.2	180.2
115	58.8	46.2	69.2



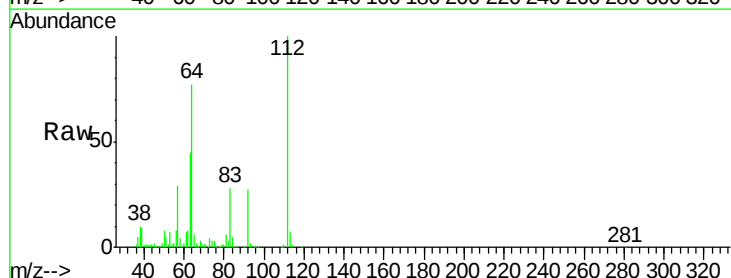
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



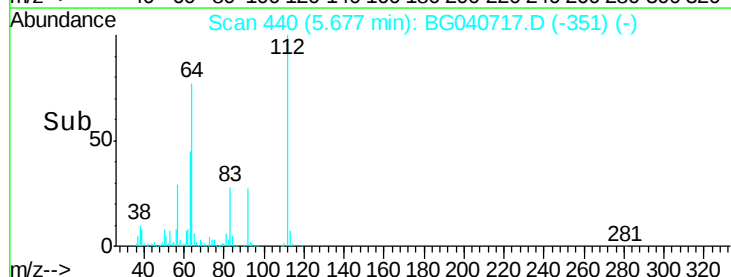
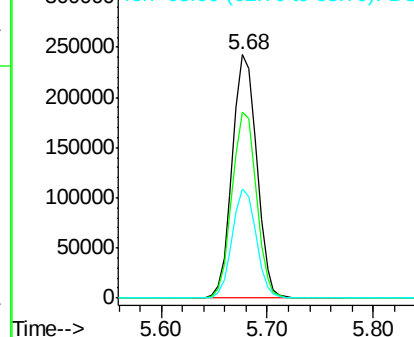
#5

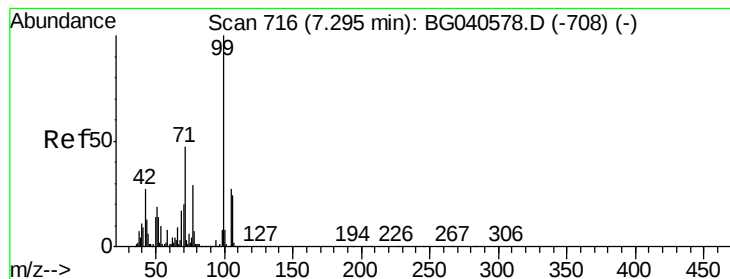
2-Fluorophenol
Concen: 144.019 ng
RT: 5.68 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040717.D
Acq: 2 May 2019 21:32

Tgt Ion	112	Resp	388650
Ion Ratio	Lower	Upper	
112	100		
64	76.6	61.4	92.0
63	45.0	37.8	56.6



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 122.584 ng

RT: 7.29 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040717.D

Acq: 2 May 2019 21:32

Instrument :

BNA_G

ClientSampleId :

WC-1

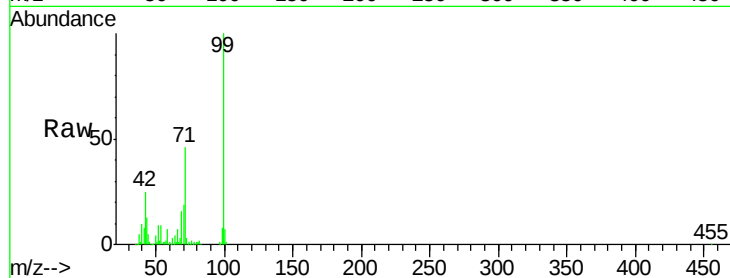
Tot Ion: 99 Resp: 509348

Ion Ratio Lower Upper

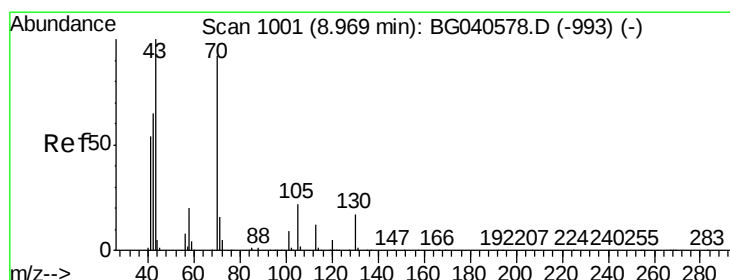
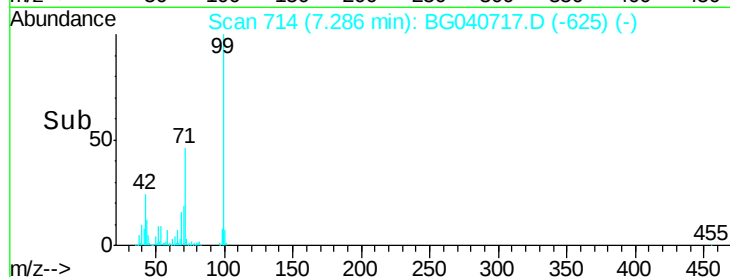
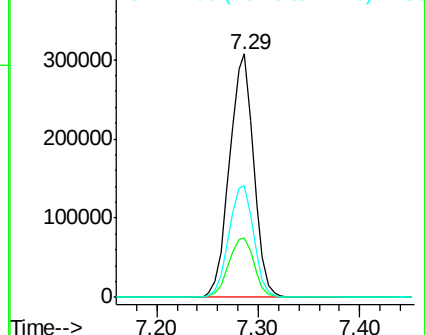
99 100

42 24.5 21.8 32.8

71 46.1 38.6 57.8



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 17.588 ng

RT: 9.33 min Scan# 1061

Delta R.T. 0.36 min

Lab File: BG040717.D

Acq: 2 May 2019 21:32

Tgt Ion: 70 Resp: 65785

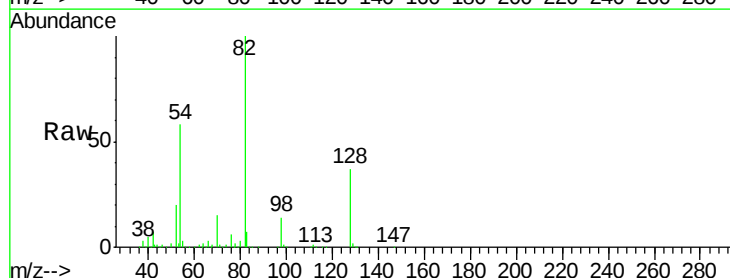
Ion Ratio Lower Upper

70 100

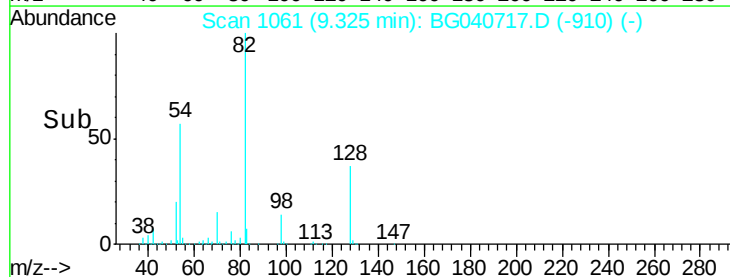
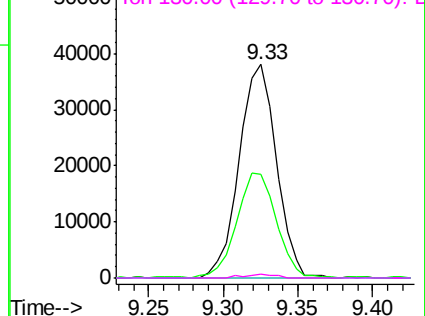
42 48.3 57.1 85.7#

101 0.0 7.8 11.8#

130 2.1 14.6 21.8#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

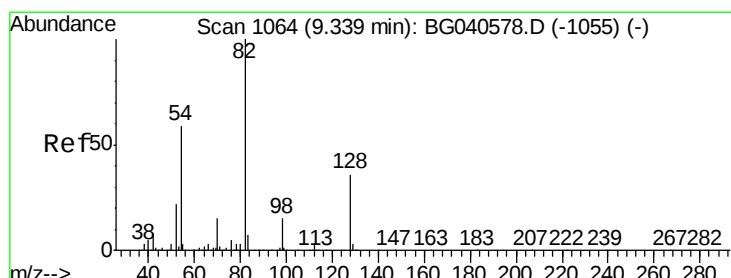
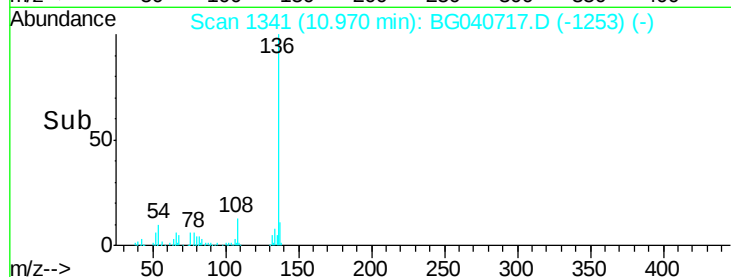
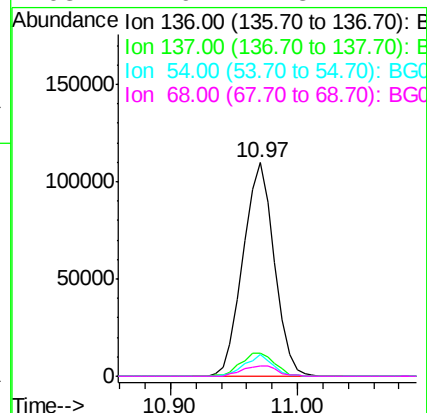
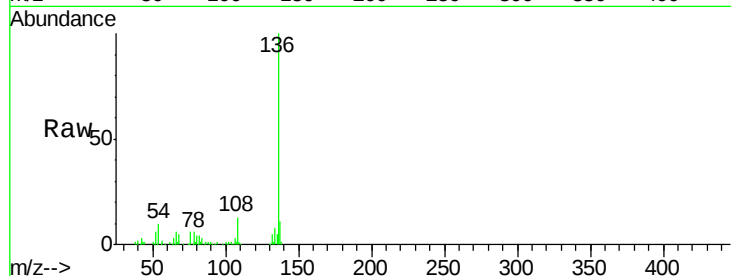




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.01 min
Lab File: BG040717.D
Acq: 2 May 2019 21:32

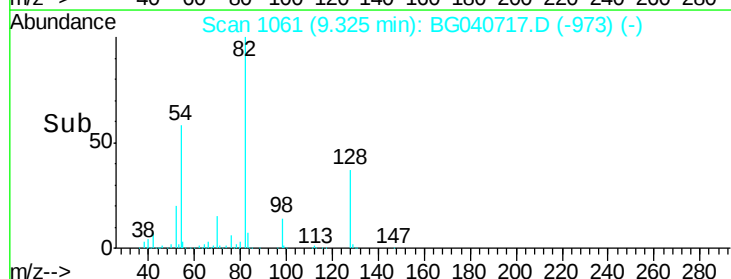
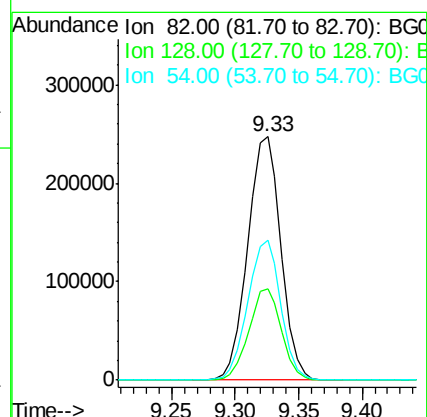
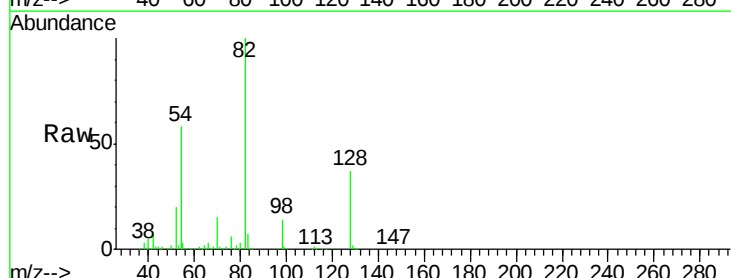
Instrument :
BNA_G
ClientSampleId :
WC-1

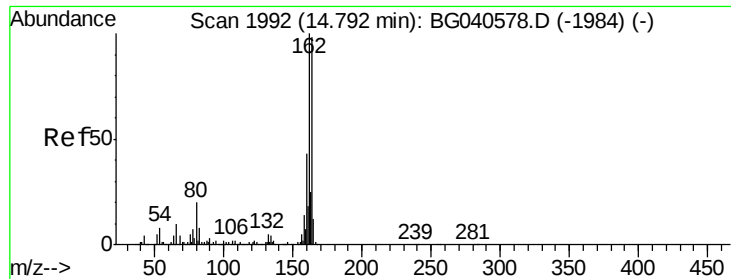
Tot Ion:136	Resp:	187201
Ion	Ratio	Lower Upper
136	100	
137	10.8	9.7 14.5
54	10.3	8.6 12.8
68	4.9	4.8 7.2



#23
Nitrobenzene-d5
Concen: 111.180 ng
RT: 9.33 min Scan# 1061
Delta R.T. -0.01 min
Lab File: BG040717.D
Acq: 2 May 2019 21:32

Tgt Ion: 82	Resp:	450439
Ion	Ratio	Lower Upper
82	100	
128	37.4	28.9 43.3
54	57.5	47.2 70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.77 min Scan# 1988

Delta R.T. -0.02 min

Lab File: BG040717.D

Acq: 2 May 2019 21:32

Instrument :

BNA_G

ClientSampleId :

WC-1

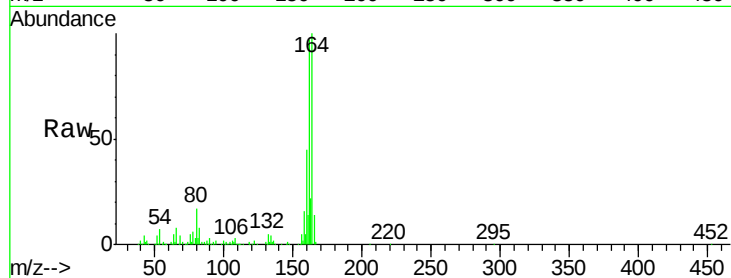
Tot Ion:164 Resp: 138062

Ion Ratio Lower Upper

164 100

162 97.5 81.9 122.9

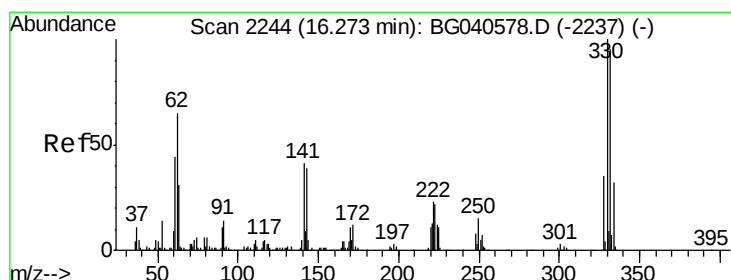
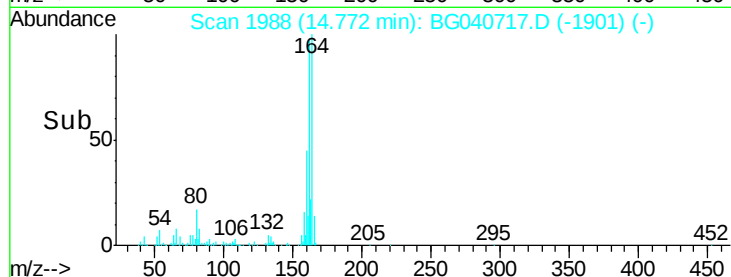
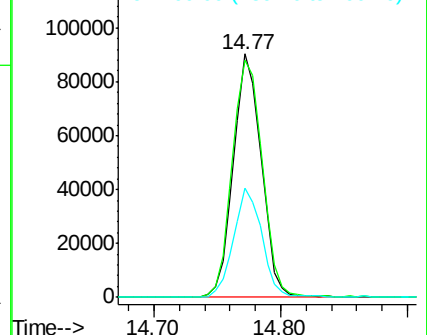
160 44.7 35.4 53.2



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#42

2,4,6-Tribromophenol

Concen: 189.629 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BG040717.D

Acq: 2 May 2019 21:32

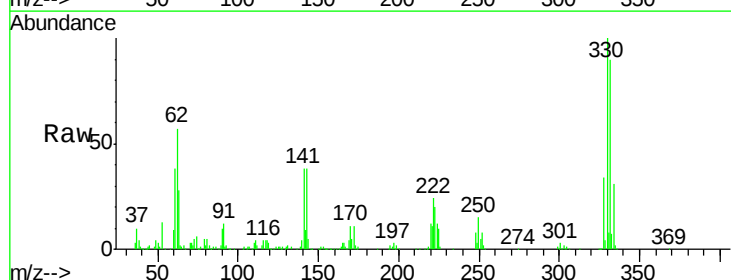
Tgt Ion:330 Resp: 359857

Ion Ratio Lower Upper

330 100

332 95.7 75.9 113.9

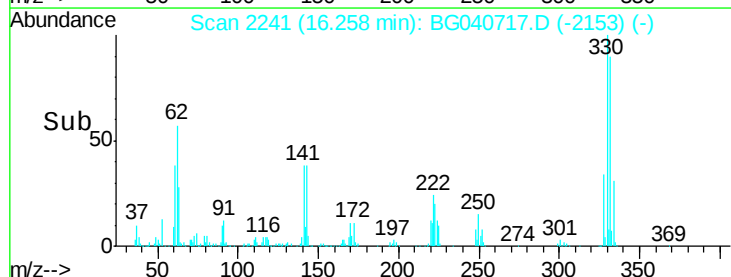
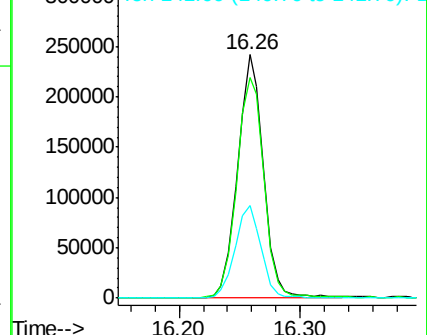
141 38.7 32.4 48.6

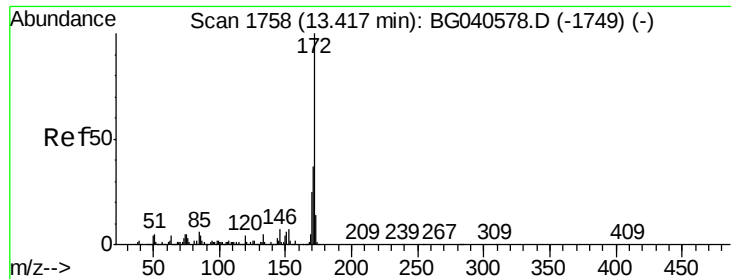


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

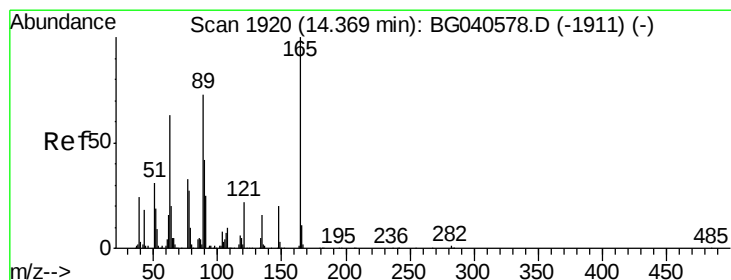
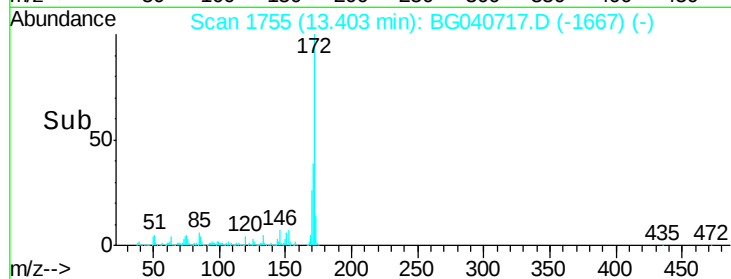
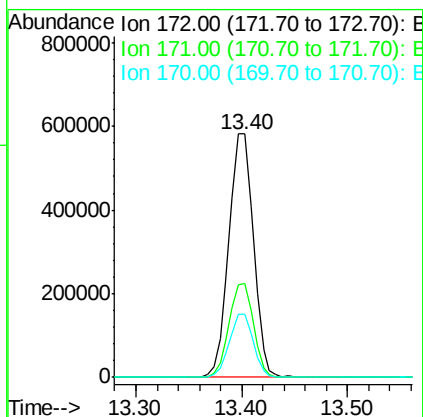
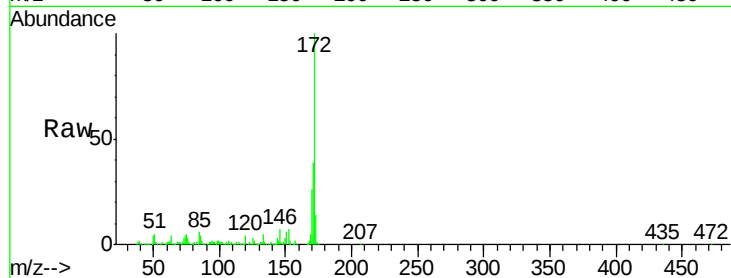




#45
2-Fluorobiphenyl
Concen: 98.201 ng
RT: 13.40 min Scan# 1755
Delta R.T. -0.01 min
Lab File: BG040717.D
Acq: 2 May 2019 21:32

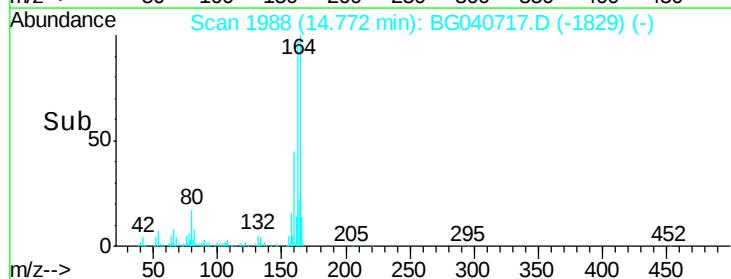
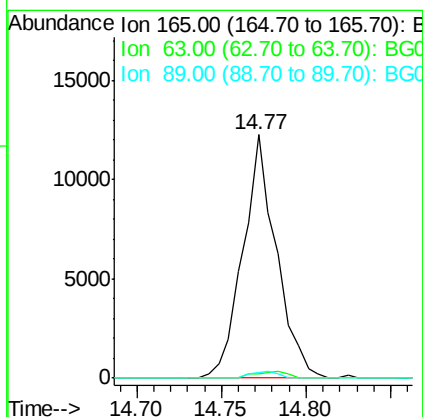
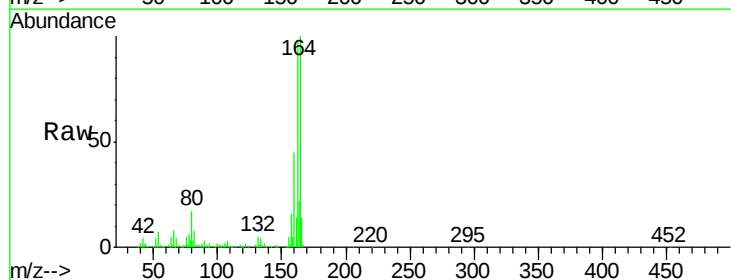
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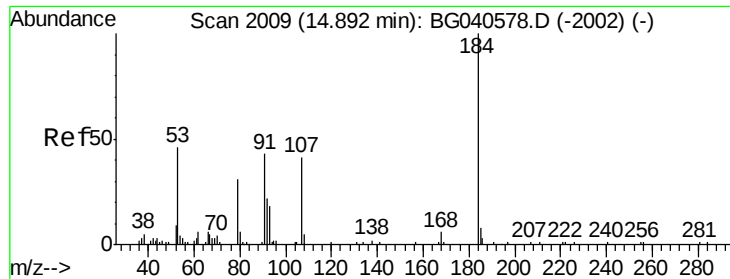
Tot Ion:172 Resp: 938774
Ion Ratio Lower Upper
172 100
171 38.6 29.4 44.2
170 25.9 19.9 29.9



#51
2,6-Dinitrotoluene
Concen: 7.499 ng
RT: 14.77 min Scan# 1988
Delta R.T. 0.40 min
Lab File: BG040717.D
Acq: 2 May 2019 21:32

Tgt Ion:165 Resp: 16906
Ion Ratio Lower Upper
165 100
63 1.7 61.0 91.4#
89 2.3 58.6 87.8#

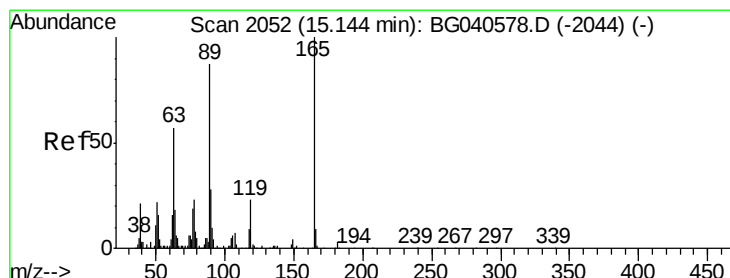
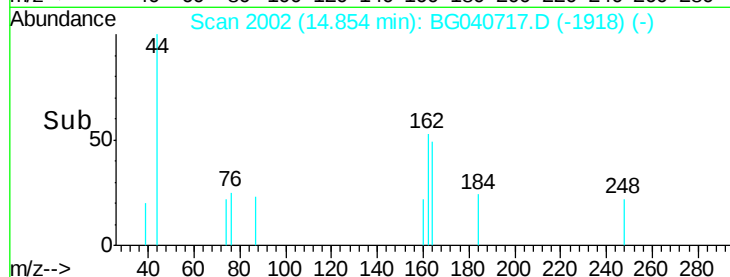
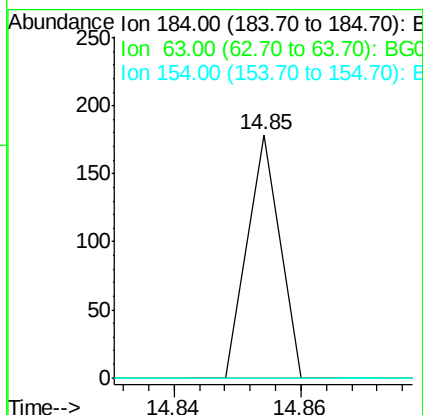
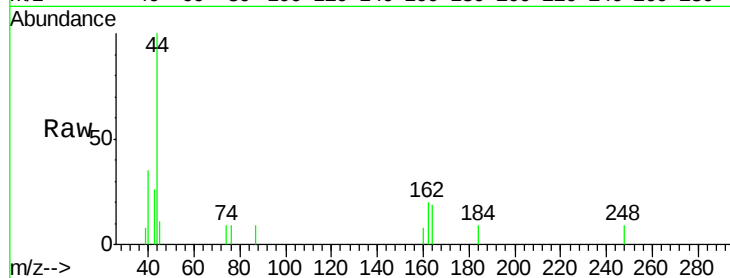




#54
2,4-Dinitrophenol
Concen: 7.060 ng
RT: 14.85 min Scan# 2002
Delta R.T. -0.04 min
Lab File: BG040717.D
Acq: 2 May 2019 21:32

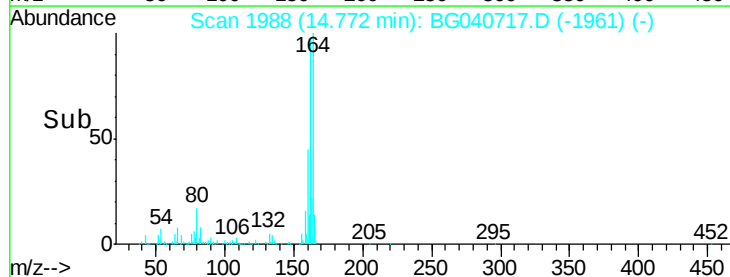
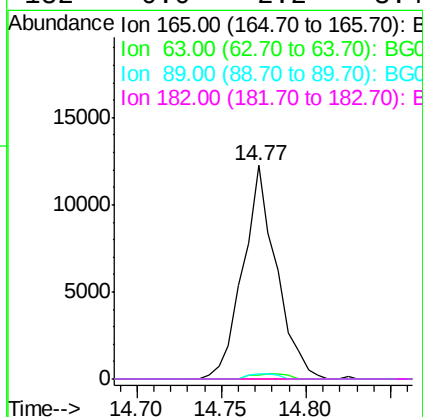
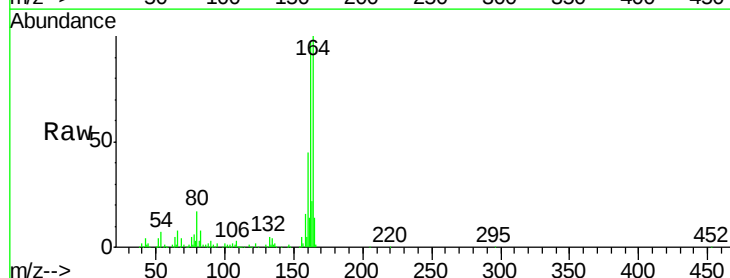
Instrument :
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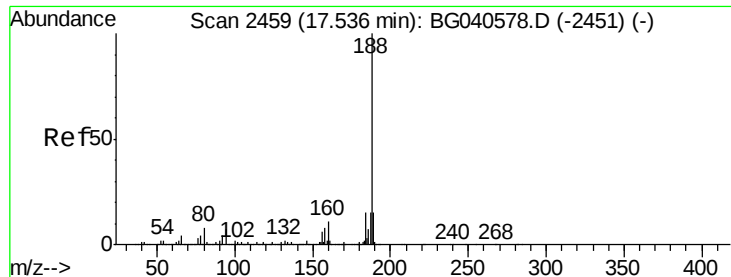
Tot Ion:184 Resp: 63
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.519 ng
RT: 14.77 min Scan# 1988
Delta R.T. -0.37 min
Lab File: BG040717.D
Acq: 2 May 2019 21:32

Tgt Ion:165 Resp: 16906
Ion Ratio Lower Upper
165 100
63 1.7 45.8 68.8#
89 2.3 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2455

Delta R.T. -0.02 min

Lab File: BG040717.D

Acq: 2 May 2019 21:32

Instrument :

BNA_G

ClientSampleId :

WC-1

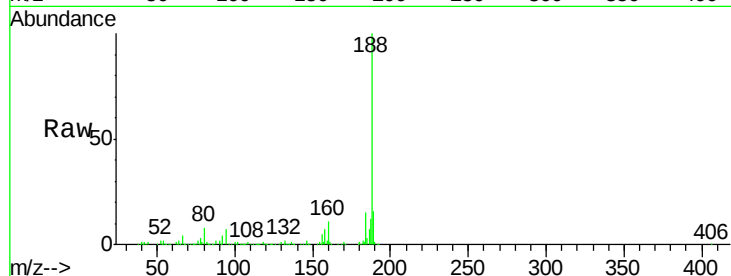
Tot Ion:188 Resp: 402776

Ion Ratio Lower Upper

188 100

94 6.7 5.6 8.4

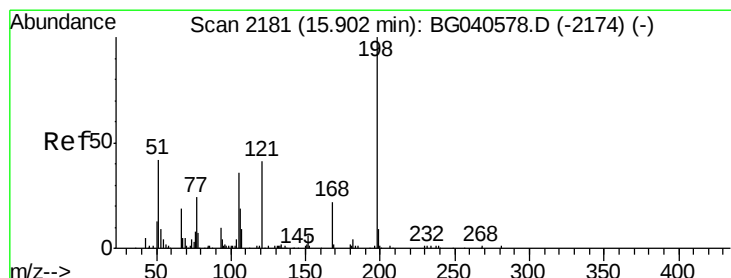
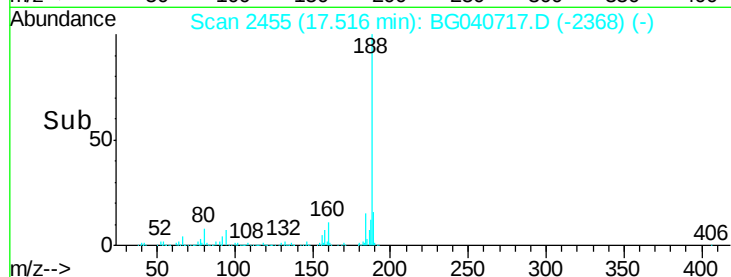
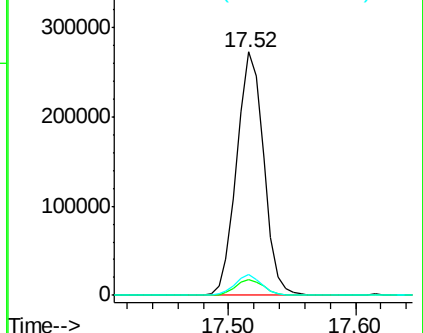
80 8.4 6.4 9.6



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 7.130 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.15 min

Lab File: BG040717.D

Acq: 2 May 2019 21:32

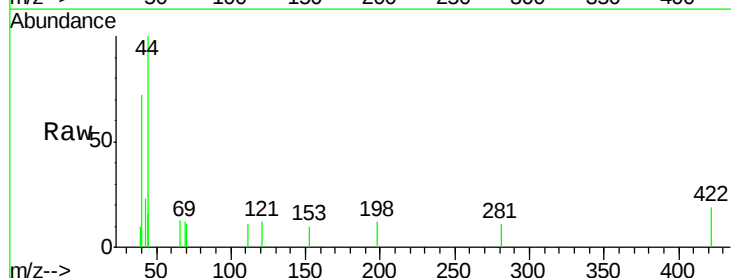
Tgt Ion:198 Resp: 68

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

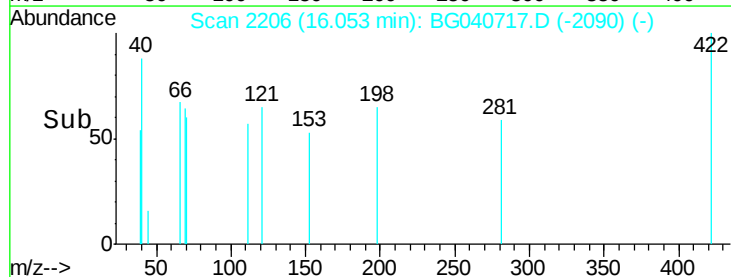
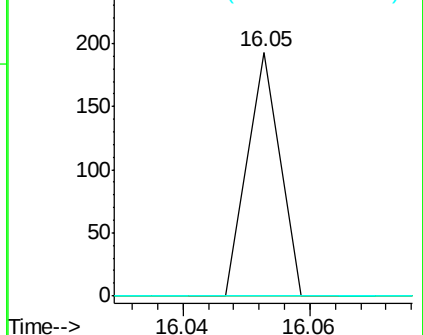
105 0.0 21.2 61.2#

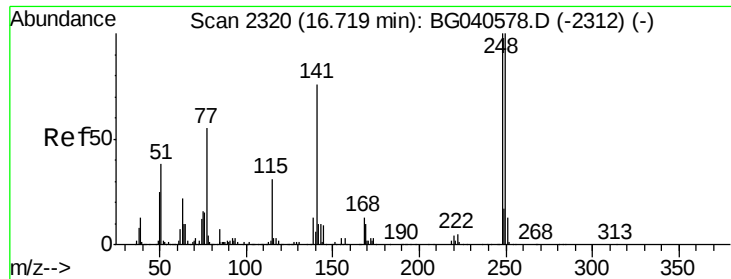


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

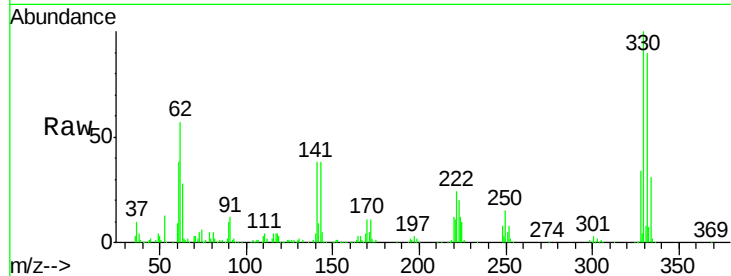




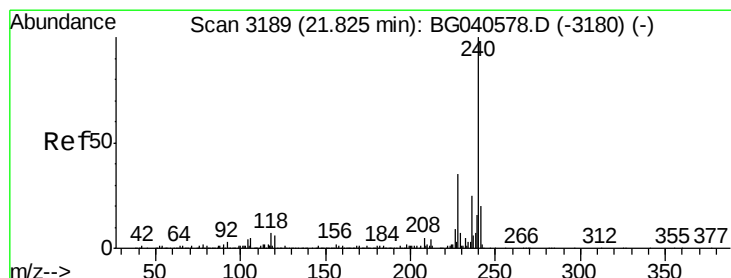
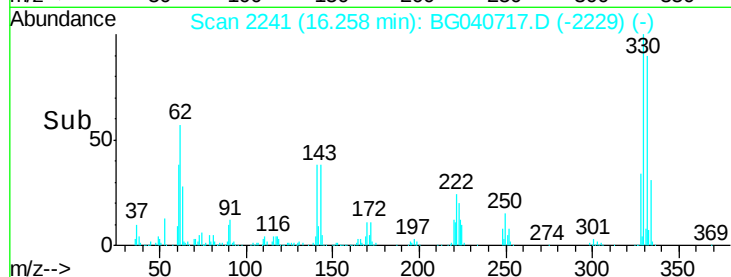
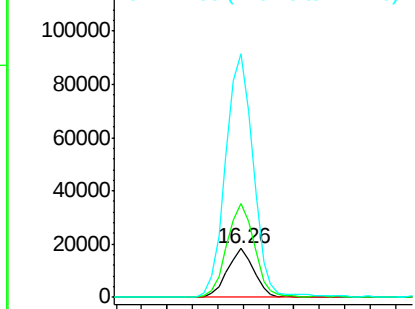
#67
4-Bromophenyl-phenylether
Concen: 5.349 ng
RT: 16.26 min Scan# 2241
Delta R.T. -0.46 min
Lab File: BG040717.D
Acq: 2 May 2019 21:32

Instrument :
BNA_G
ClientSampleId :
WC-1

Tot Ion:248 Resp: 26842
Ion Ratio Lower Upper
248 100
250 192.6 79.8 119.6#
141 498.9 60.8 91.2#

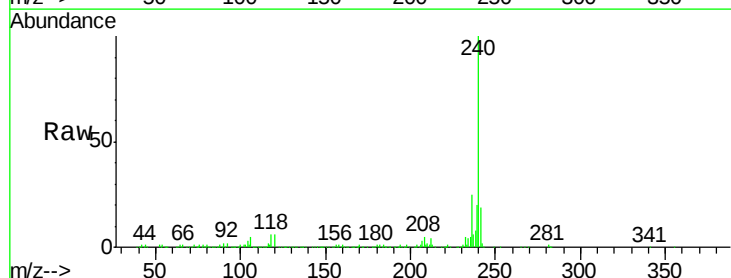


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

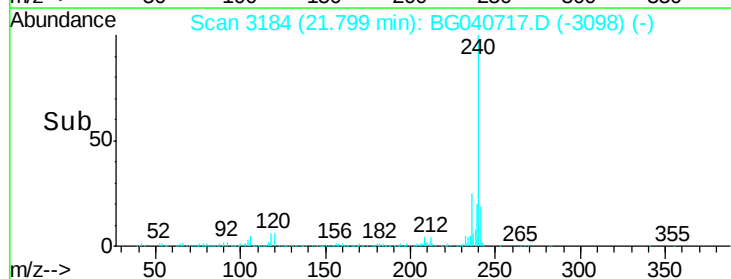
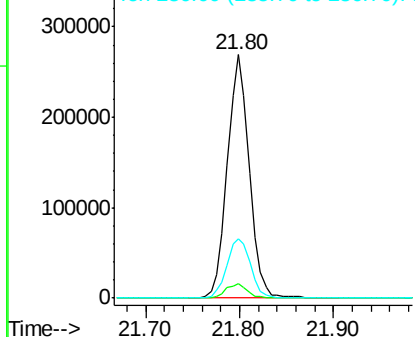


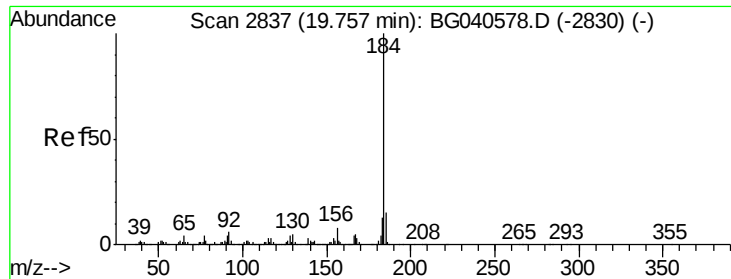
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3184
Delta R.T. -0.03 min
Lab File: BG040717.D
Acq: 2 May 2019 21:32

Tgt Ion:240 Resp: 434072
Ion Ratio Lower Upper
240 100
120 6.0 5.0 7.6
236 24.5 20.3 30.5



Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 3.439 ng

RT: 20.11 min Scan# 2897

Delta R.T. 0.36 min

Lab File: BG040717.D

Acq: 2 May 2019 21:32

Instrument :

BNA_G

ClientSampleId :

WC-1

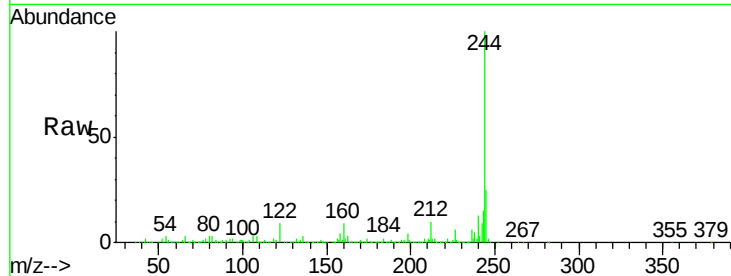
Tot Ion:184 Resp: 40872

Ion Ratio Lower Upper

184 100

185 14.8 11.8 17.8

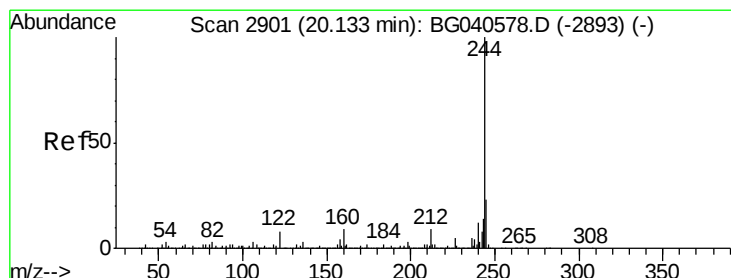
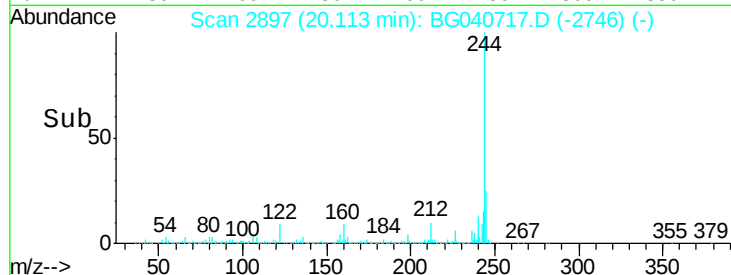
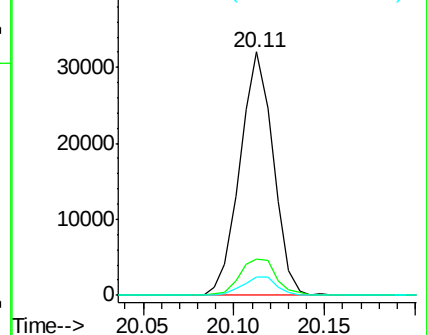
183 7.3 10.2 15.2#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 105.029 ng

RT: 20.11 min Scan# 2897

Delta R.T. -0.02 min

Lab File: BG040717.D

Acq: 2 May 2019 21:32

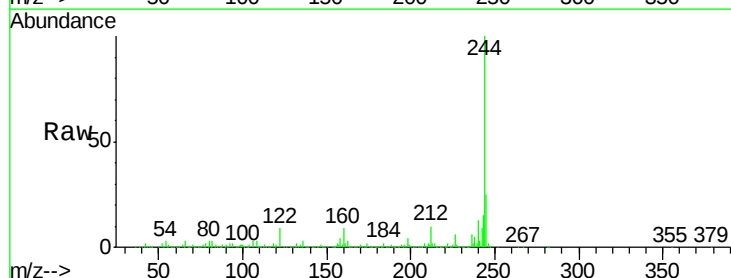
Tgt Ion:244 Resp: 2057847

Ion Ratio Lower Upper

244 100

212 10.0 7.2 10.8

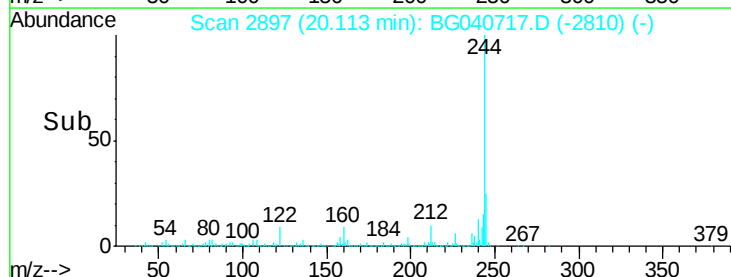
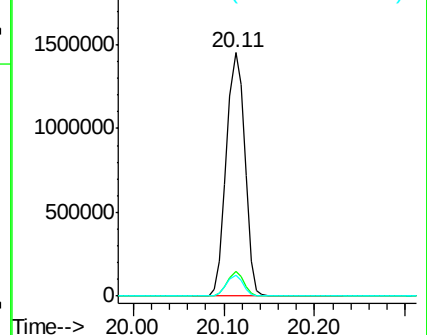
122 8.8 6.6 10.0



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.15 min Scan# 3755
Delta R.T. -0.05 min
Lab File: BG040717.D
Acq: 2 May 2019 21:32

Instrument :
BNA_G
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	22.8	16.6	25.0

