

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050319\
 Data File : BG040745.D
 Acq On : 4 May 2019 5:50
 Operator : JU/SJ
 Sample : K2635-04
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-050219-B

Quant Time: May 05 23:12:20 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

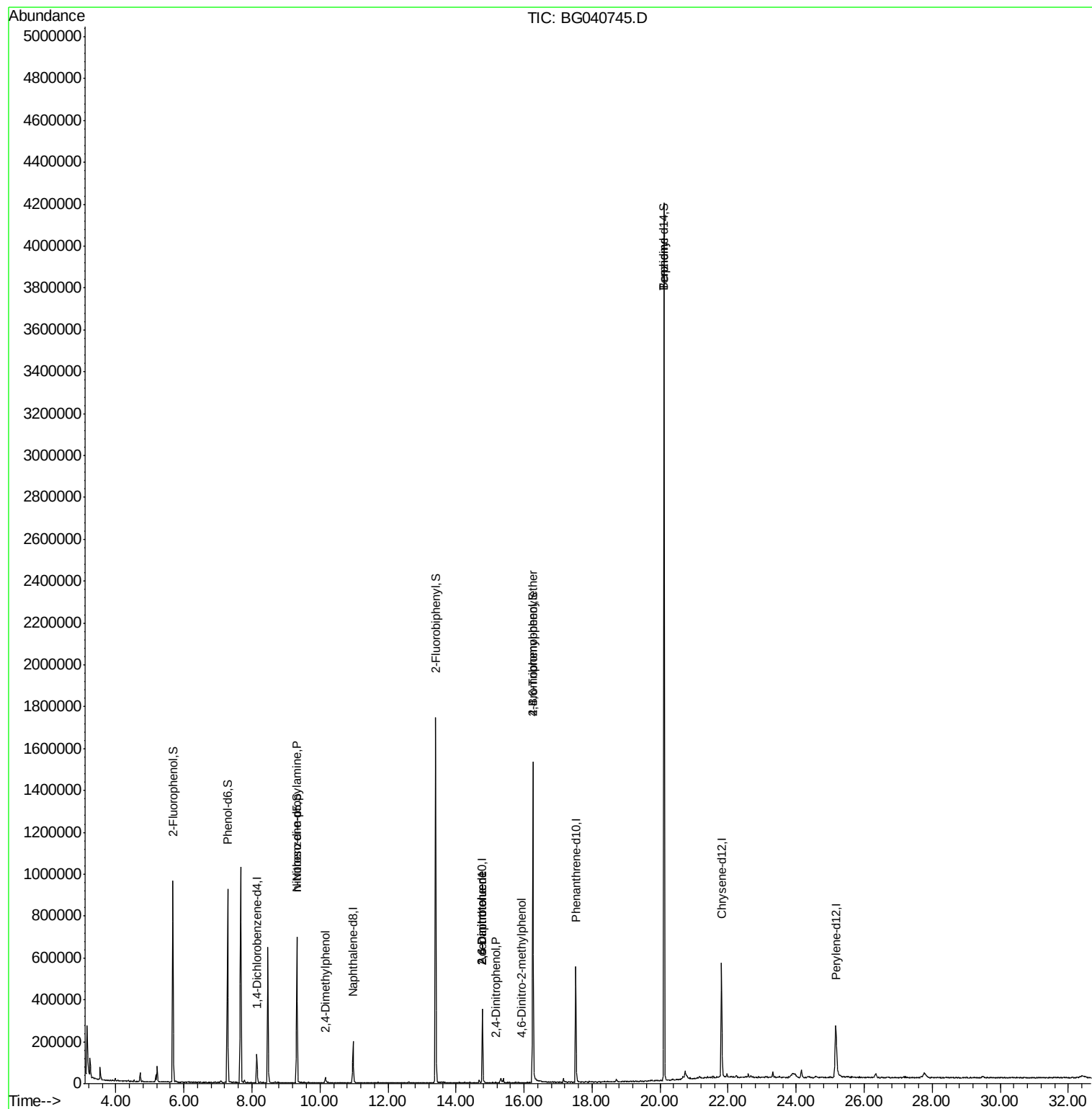
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	36618	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	148250	20.00	ng	-0.02
39) Acenaphthene-d10	14.78	164	117607	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	340694	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	341789	20.00	ng	-0.02
87) Perylene-d12	25.17	264	325733	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.67	112	351476	169.20	ng	-0.01
7) Phenol-d6	7.28	99	477458	149.28	ng	-0.01
23) Nitrobenzene-d5	9.32	82	403466	125.75	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	285900	176.86	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	854772	104.96	ng	-0.02
79) Terphenyl-d14	20.12	244	1919486	124.42	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	1165	Below Cal		Qvalue # 50
19) n-Nitroso-di-n-propylamine	9.32	70	57689	20.037	ng	# 76
27) 2,4-Dimethylphenol	10.16	122	7886	3.425	ng	# 1
51) 2,6-Dinitrotoluene	14.78	165	14928	7.773	ng	# 13
54) 2,4-Dinitrophenol	15.19	184	67	7.071	ng	# 21
57) 2,4-Dinitrotoluene	14.78	165	14928	5.720	ng	# 15
65) 4,6-Dinitro-2-methylphenol	15.93	198	93	7.148	ng	# 28
67) 4-Bromophenyl-phenylether	16.26	248	22419	5.282	ng	# 1
77) Benzydine	20.12	184	37241	3.979	ng	# 94

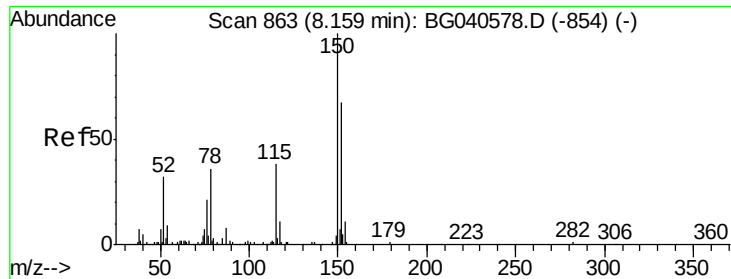
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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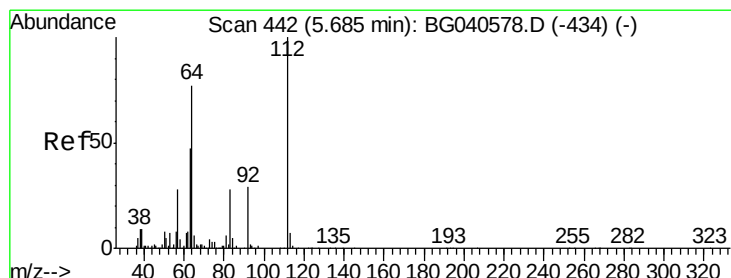
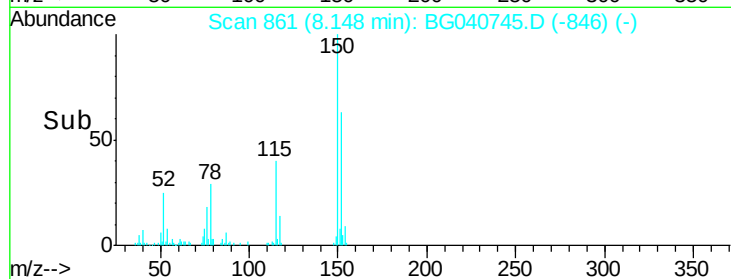
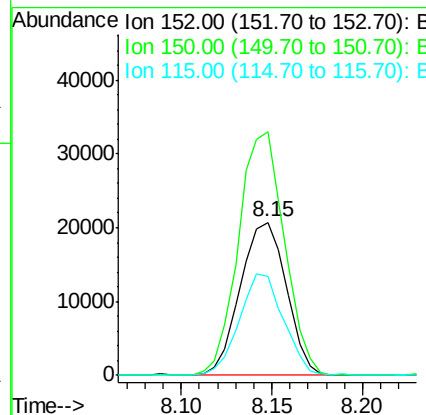
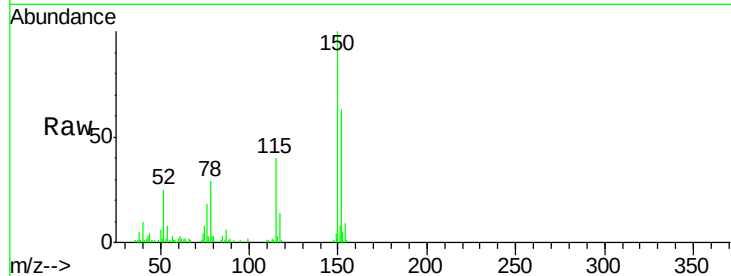


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040745.D
Acq: 4 May 2019 5:50

Instrument :
BNA_G
ClientSampleId :
AU-05-050219-B

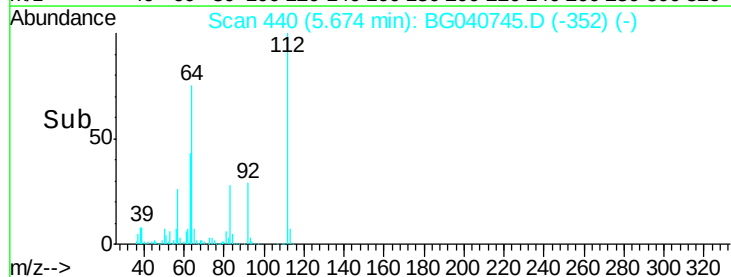
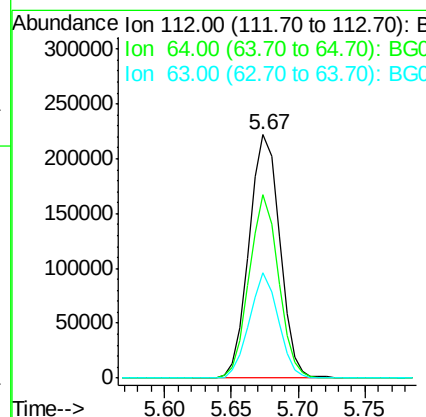
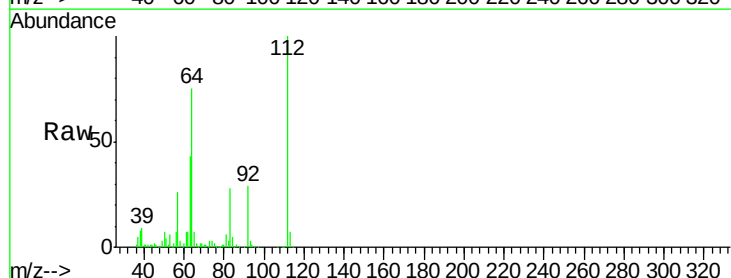
Tot Ion	152	Resp	36618
Ion	Ratio	Lower	Upper
152	100		
150	158.8	120.2	180.2
115	64.2	46.2	69.2

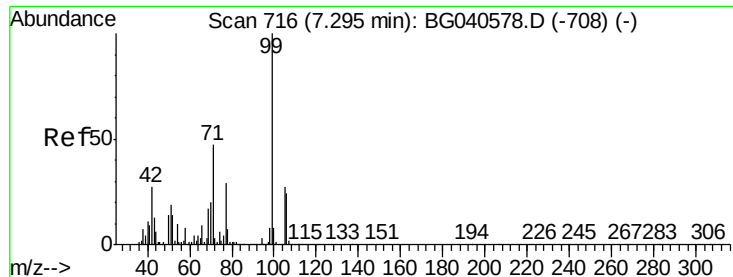


#5

2-Fluorophenol
Concen: 169.198 ng
RT: 5.67 min Scan# 440
Delta R.T. -0.01 min
Lab File: BG040745.D
Acq: 4 May 2019 5:50

Tgt Ion	112	Resp	351476
Ion	Ratio	Lower	Upper
112	100		
64	75.2	61.4	92.0
63	43.2	37.8	56.6





#7

Phenol-d6

Concen: 149.277 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040745.D

Acq: 4 May 2019 5:50

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-B

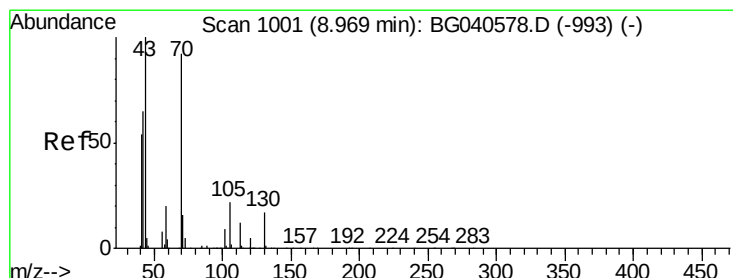
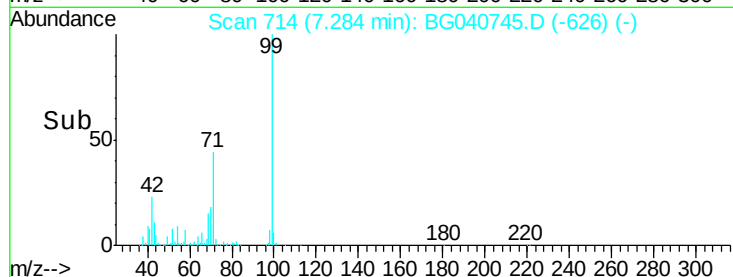
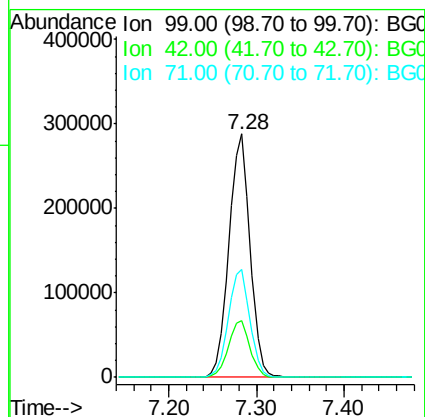
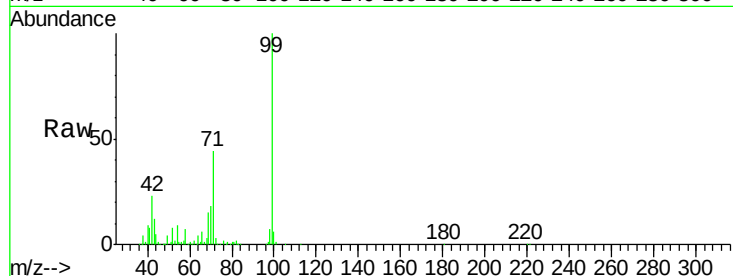
Tot Ion: 99 Resp: 477458

Ion Ratio Lower Upper

99 100

42 23.2 21.8 32.8

71 44.1 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 20.037 ng

RT: 9.32 min Scan# 1061

Delta R.T. 0.35 min

Lab File: BG040745.D

Acq: 4 May 2019 5:50

Tgt Ion: 70 Resp: 57689

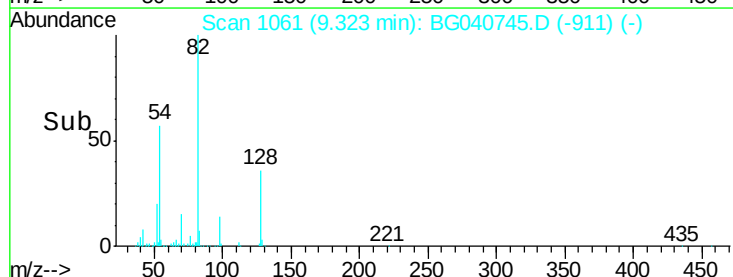
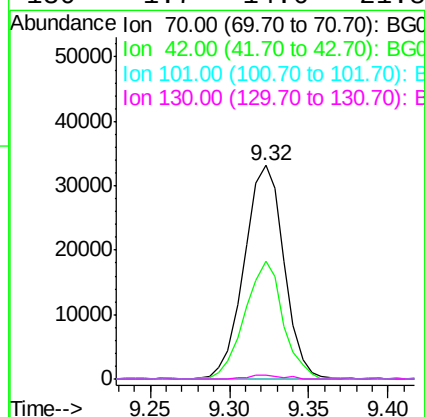
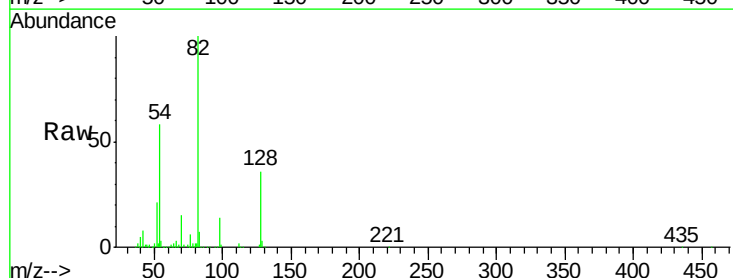
Ion Ratio Lower Upper

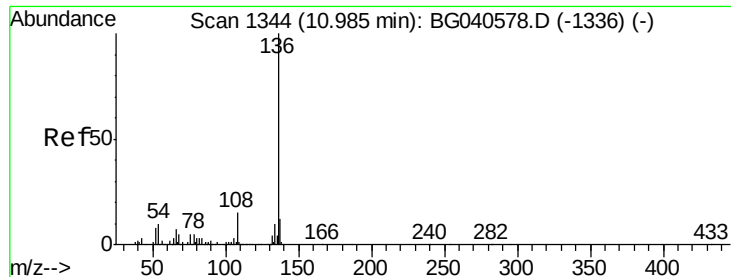
70 100

42 54.9 57.1 85.7#

101 0.0 7.8 11.8#

130 1.7 14.6 21.8#

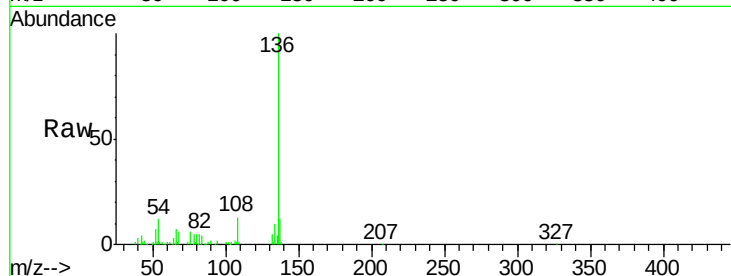




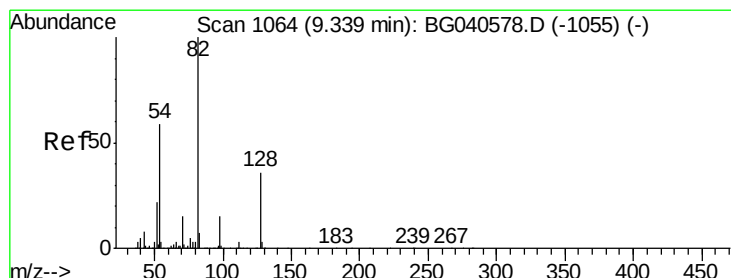
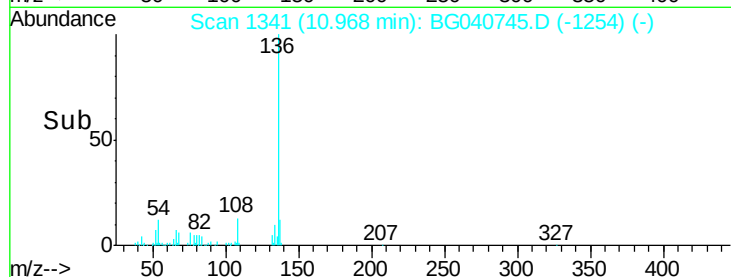
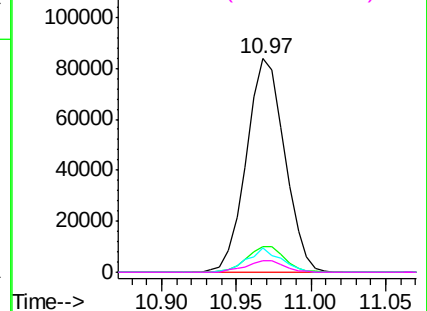
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1341
Delta R.T. -0.02 min
Lab File: BG040745.D
Acq: 4 May 2019 5:50

Instrument :
BNA_G
ClientSampleId :
AU-05-050219-B

Tot Ion:136	Resp:	148250	
Ion Ratio	Lower	Upper	
136 100			
137 11.9	9.7	14.5	
54 11.6	8.6	12.8	
68 5.7	4.8	7.2	

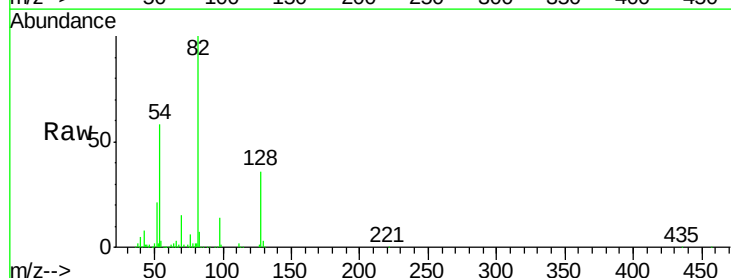


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

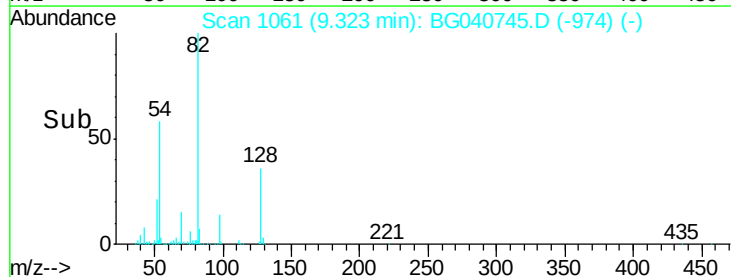
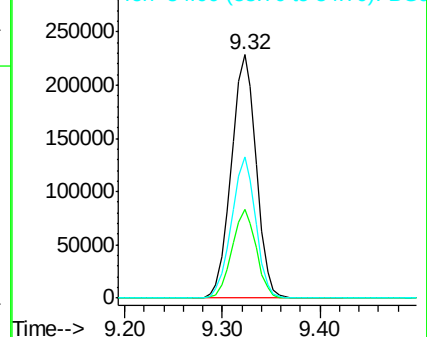


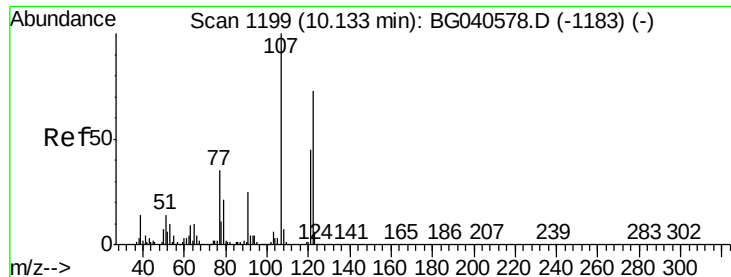
#23
Nitrobenzene-d5
Concen: 125.751 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040745.D
Acq: 4 May 2019 5:50

Tgt	Ion: 82	Resp:	403466
Ion	Ratio	Lower	Upper
82	100		
128	36.2	28.9	43.3
54	57.9	47.2	70.8



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

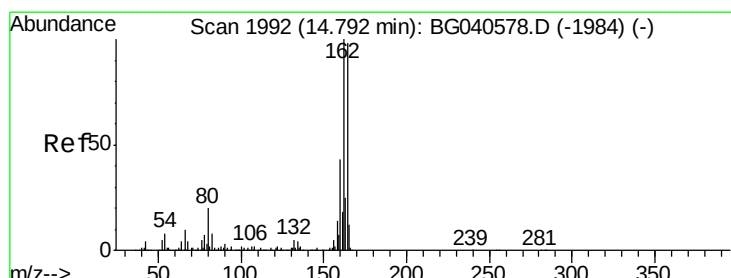
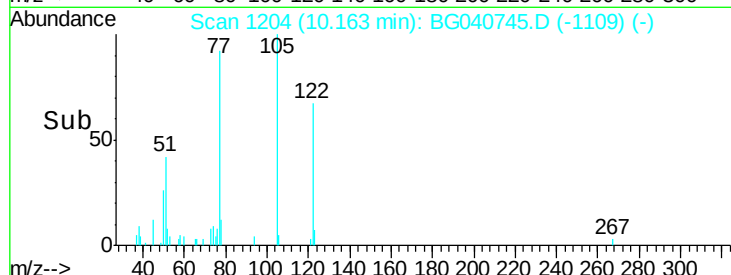
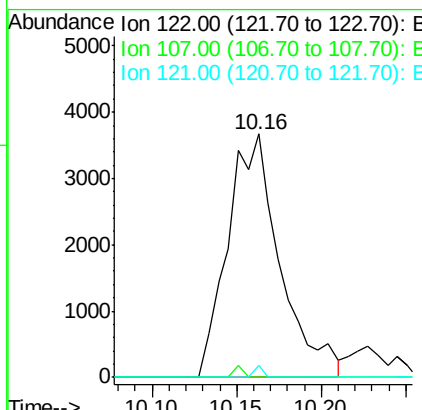
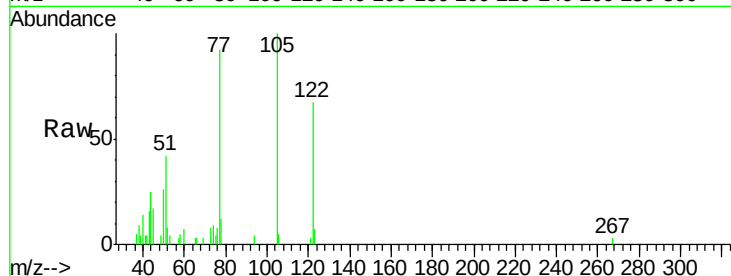




#27
 2,4-Dimethylphenol
 Concen: 3.425 ng
 RT: 10.16 min Scan# 1204
 Delta R.T. 0.03 min
 Lab File: BG040745.D
 Acq: 4 May 2019 5:50

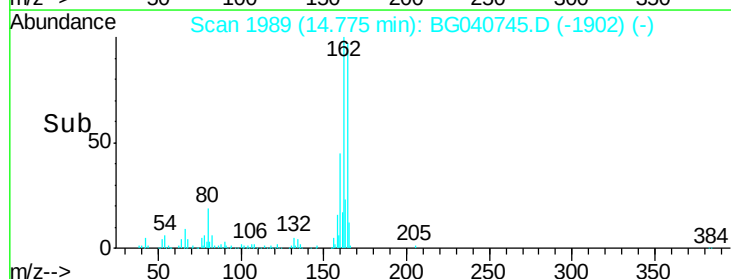
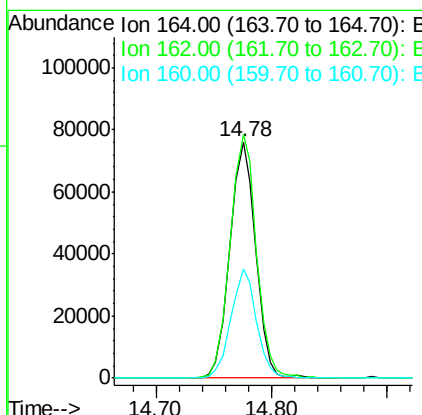
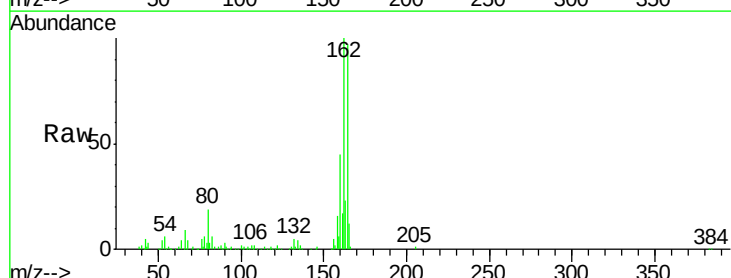
Instrument :
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 ClientSampleId :
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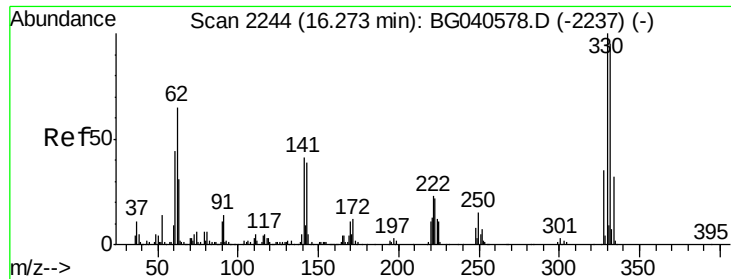
Tot Ion:122 Resp: 7886
 Ion Ratio Lower Upper
 122 100
 107 0.0 110.1 165.1#
 121 4.7 49.4 74.0#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.78 min Scan# 1989
 Delta R.T. -0.02 min
 Lab File: BG040745.D
 Acq: 4 May 2019 5:50

Tgt Ion:164 Resp: 117607
 Ion Ratio Lower Upper
 164 100
 162 103.2 81.9 122.9
 160 46.0 35.4 53.2

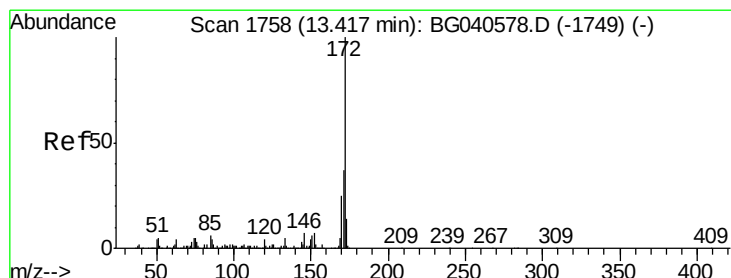
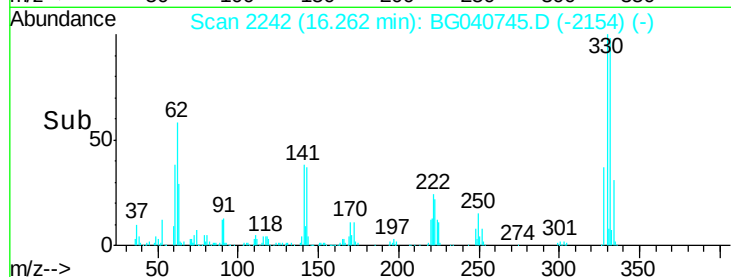
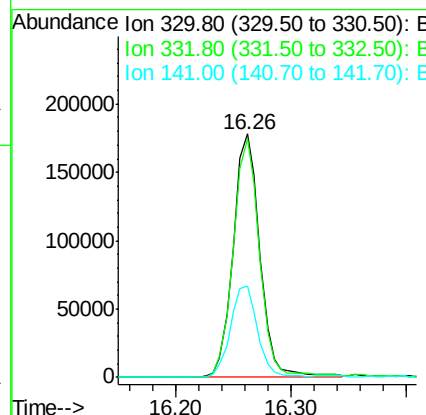
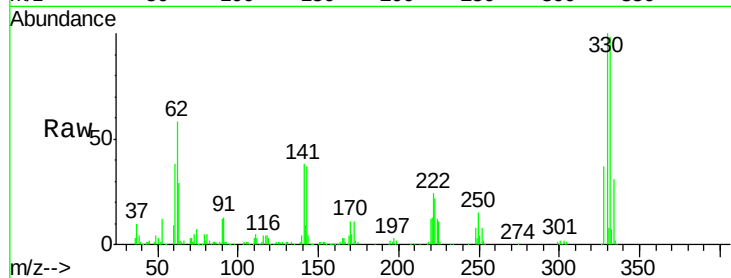




#42
 2,4,6-Tribromophenol
 Concen: 176.860 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: BG040745.D
 Acq: 4 May 2019 5:50

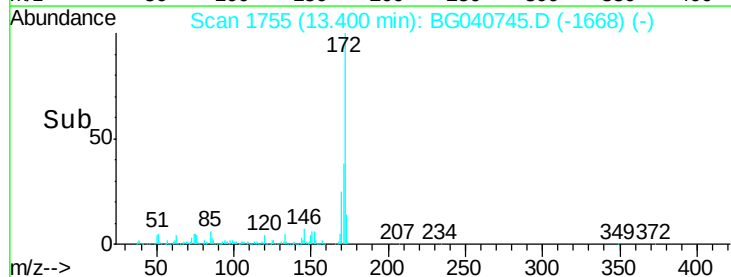
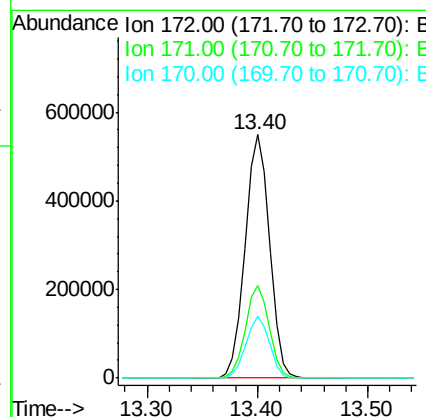
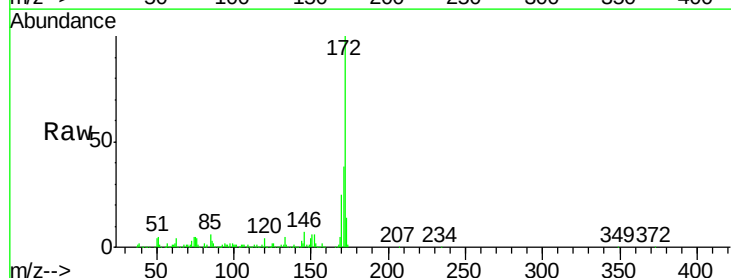
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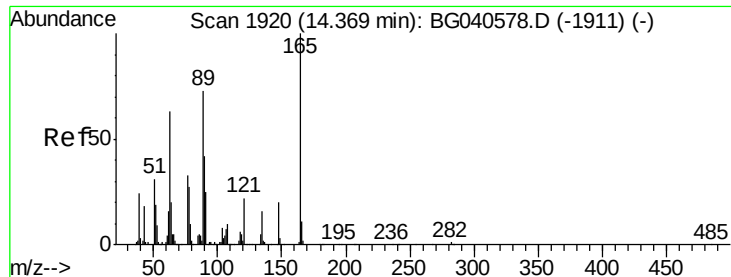
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.9	113.9
141	38.0	32.4	48.6



#45
 2-Fluorobiphenyl
 Concen: 104.965 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG040745.D
 Acq: 4 May 2019 5:50

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.1	29.4	44.2
170	25.4	19.9	29.9

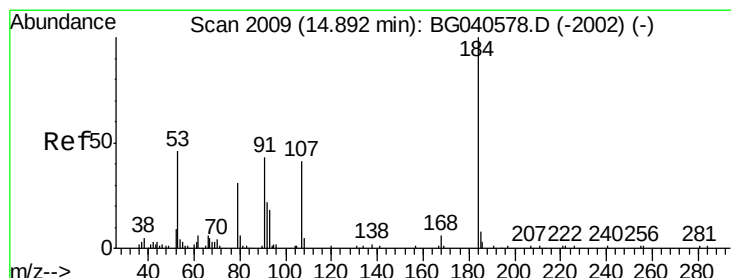
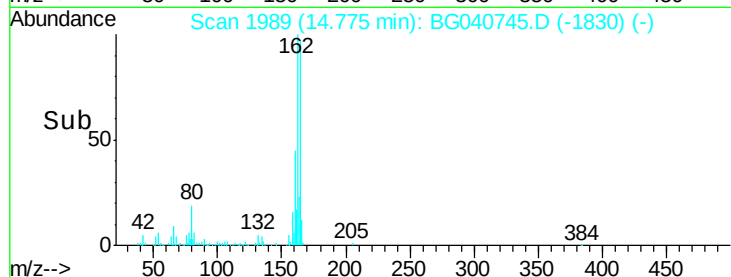
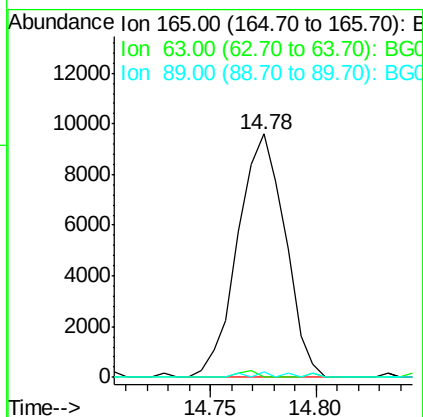
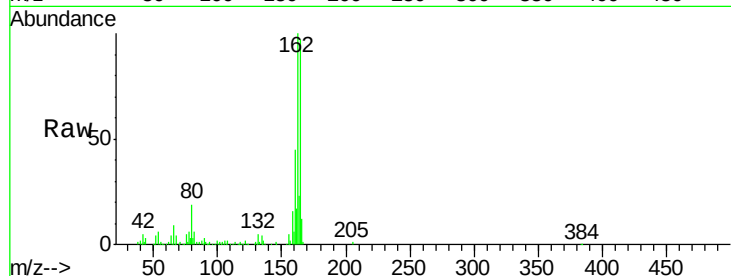




#51
2,6-Dinitrotoluene
Concen: 7.773 ng
RT: 14.78 min Scan# 1989
Delta R.T. 0.41 min
Lab File: BG040745.D
Acq: 4 May 2019 5:50

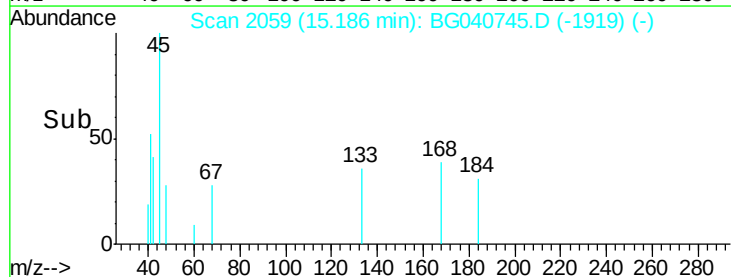
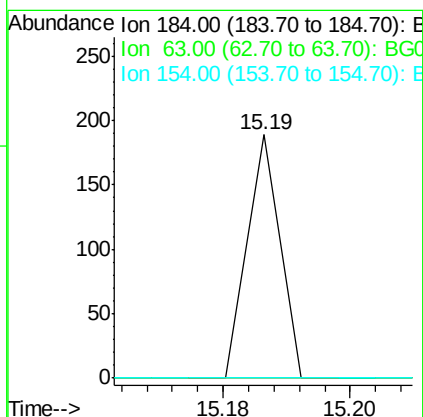
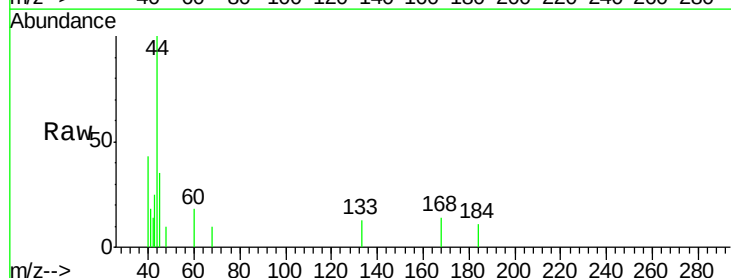
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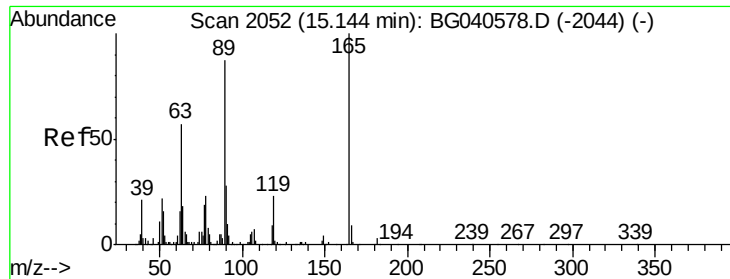
Tot Ion:165 Resp: 14928
Ion Ratio Lower Upper
165 100
63 0.0 61.0 91.4#
89 2.1 58.6 87.8#



#54
2,4-Dinitrophenol
Concen: 7.071 ng
RT: 15.19 min Scan# 2059
Delta R.T. 0.30 min
Lab File: BG040745.D
Acq: 4 May 2019 5:50

Tgt Ion:184 Resp: 67
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

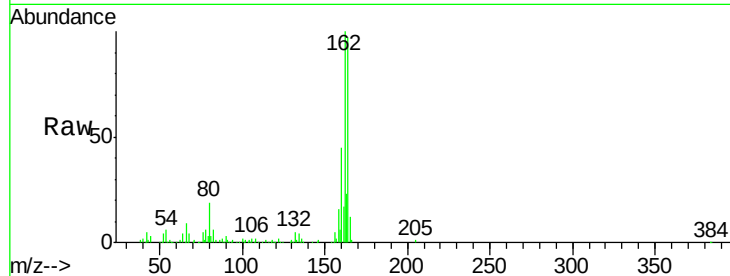




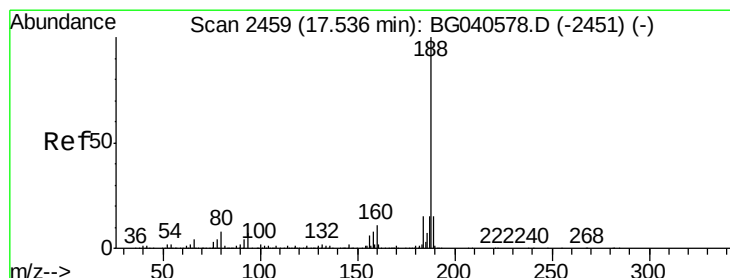
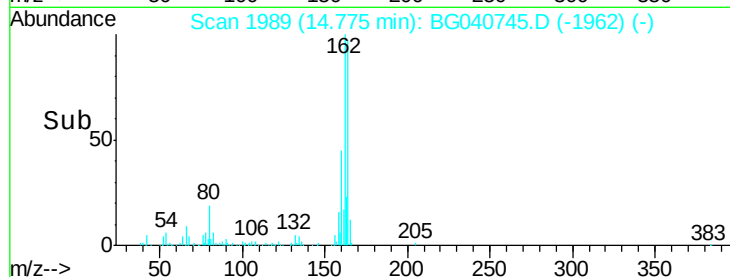
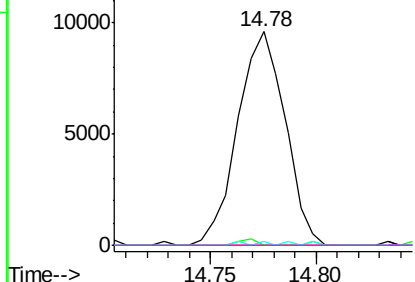
#57
 2,4-Dinitrotoluene
 Concen: 5.720 ng
 RT: 14.78 min Scan# 1989
 Delta R.T. -0.37 min
 Lab File: BG040745.D
 Acq: 4 May 2019 5:50

Instrument :
 BNA_G
 ClientSampleId :
 AU-05-050219-B

Tot Ion:165 Resp: 14928
 Ion Ratio Lower Upper
 165 100
 63 0.0 45.8 68.8#
 89 2.1 69.4 104.2#
 182 0.0 2.2 3.4#

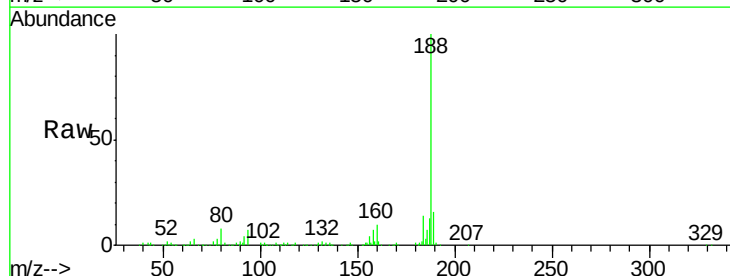


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

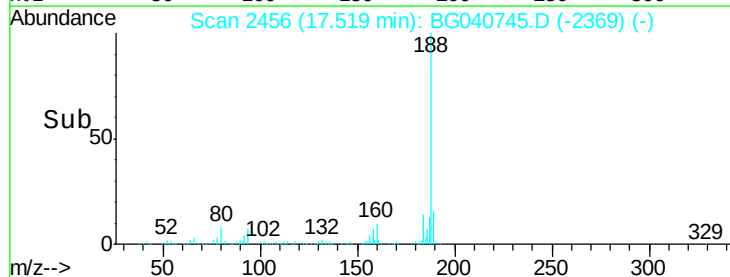
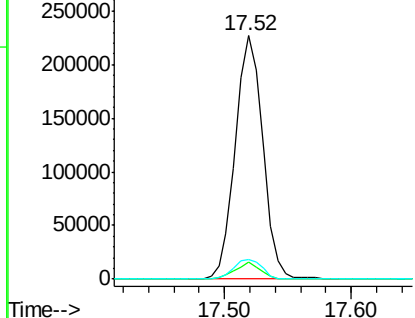


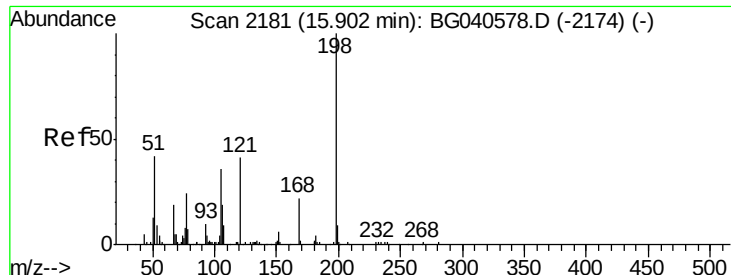
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.52 min Scan# 2456
 Delta R.T. -0.02 min
 Lab File: BG040745.D
 Acq: 4 May 2019 5:50

Tgt Ion:188 Resp: 340694
 Ion Ratio Lower Upper
 188 100
 94 6.9 5.6 8.4
 80 8.2 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: 7.148 ng

RT: 15.93 min Scan# 2185

Delta R.T. 0.02 min

Lab File: BG040745.D

Acq: 4 May 2019 5:50

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-B

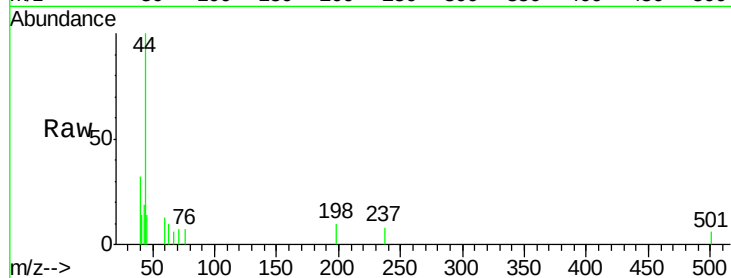
Tot Ion:198 Resp: 93

Ion Ratio Lower Upper

198 100

51 0.0 35.9 75.9#

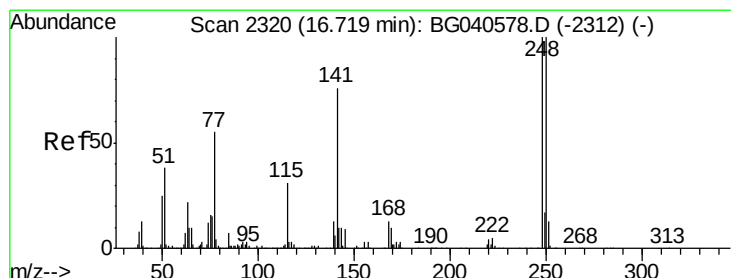
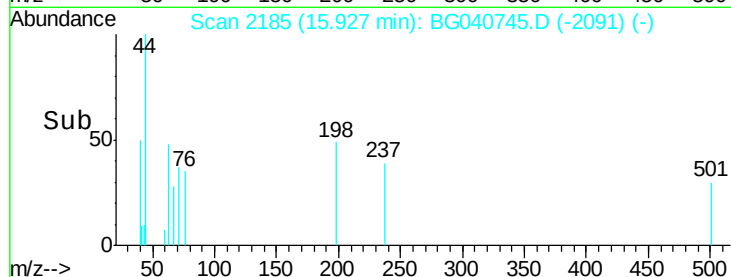
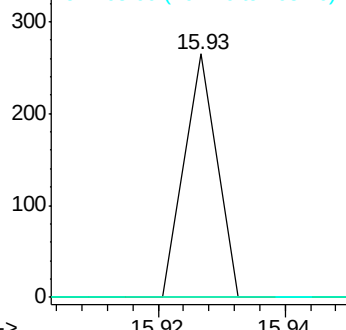
105 0.0 21.2 61.2#



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG0

Ion 105.00 (104.70 to 105.70): E



#67

4-Bromophenyl-phenylether

Concen: 5.282 ng

RT: 16.26 min Scan# 2241

Delta R.T. -0.46 min

Lab File: BG040745.D

Acq: 4 May 2019 5:50

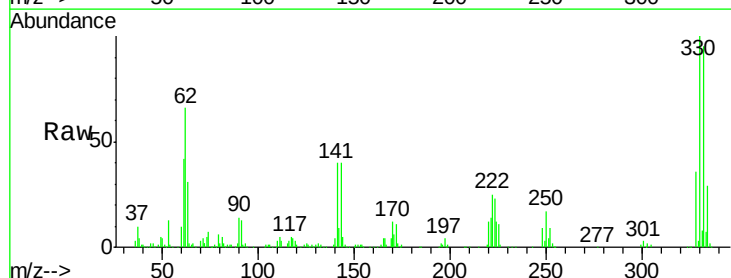
Tgt Ion:248 Resp: 22419

Ion Ratio Lower Upper

248 100

250 190.6 79.8 119.6#

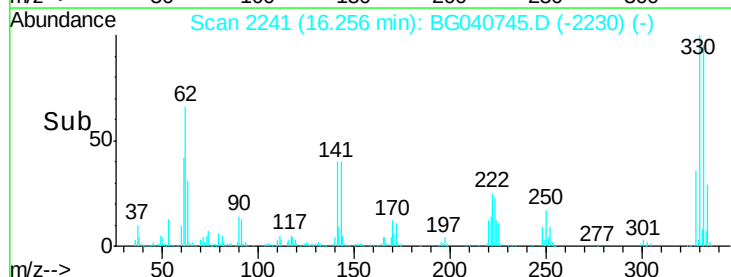
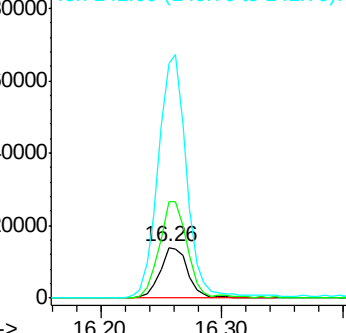
141 465.3 60.8 91.2#

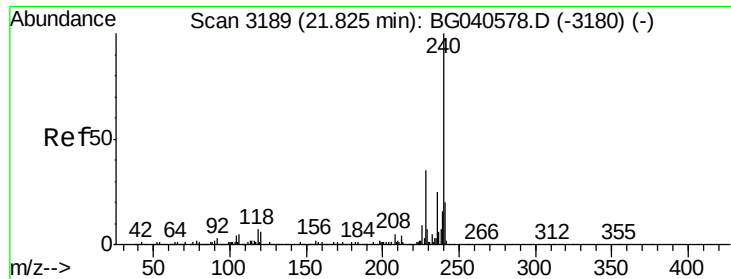


Abundance Ion 248.00 (247.70 to 248.70): E

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# 3185

Delta R.T. -0.02 min

Lab File: BG040745.D

Acq: 4 May 2019 5:50

Instrument :

BNA_G

ClientSampleId :

AU-05-050219-B

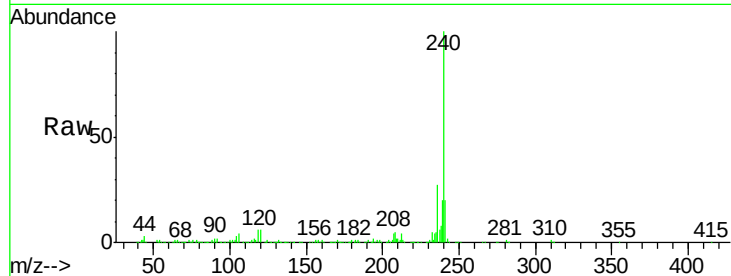
Tot Ion:240 Resp: 341789

Ion Ratio Lower Upper

240 100

120 5.9 5.0 7.6

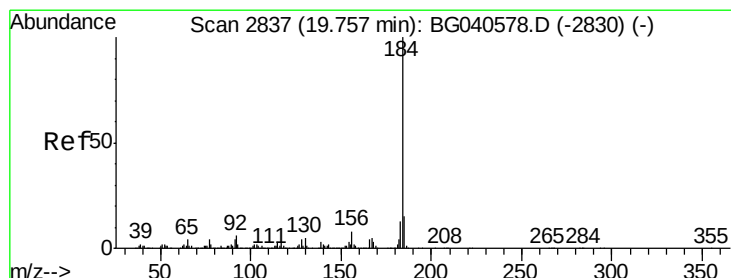
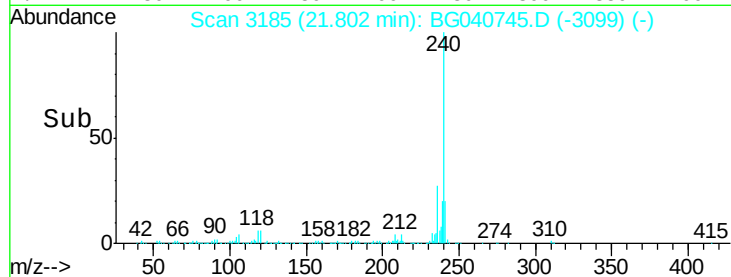
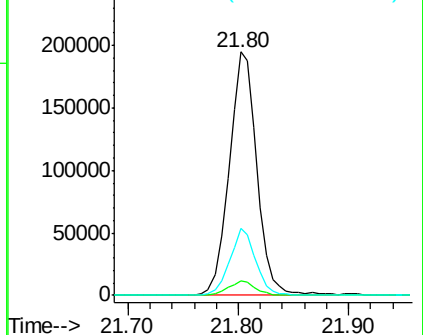
236 27.4 20.3 30.5



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: 3.979 ng

RT: 20.12 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG040745.D

Acq: 4 May 2019 5:50

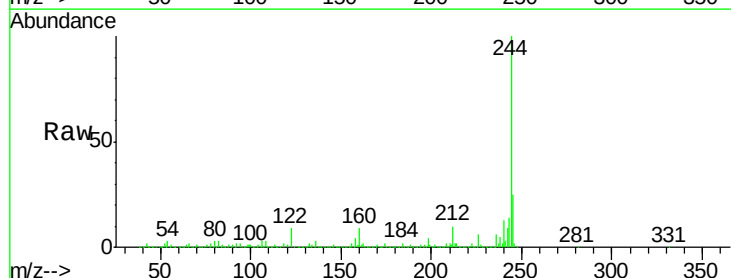
Tgt Ion:184 Resp: 37241

Ion Ratio Lower Upper

184 100

185 16.4 11.8 17.8

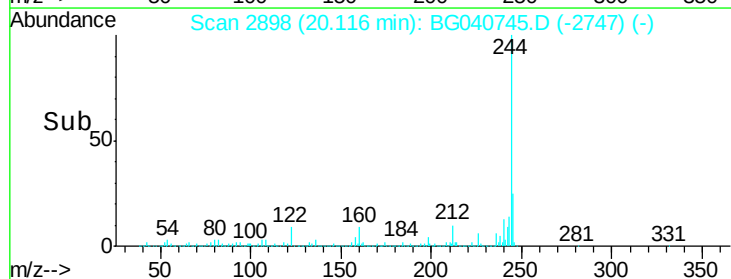
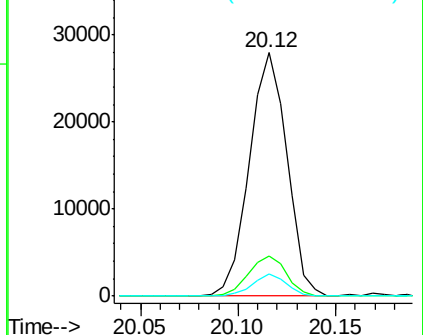
183 9.1 10.2 15.2#

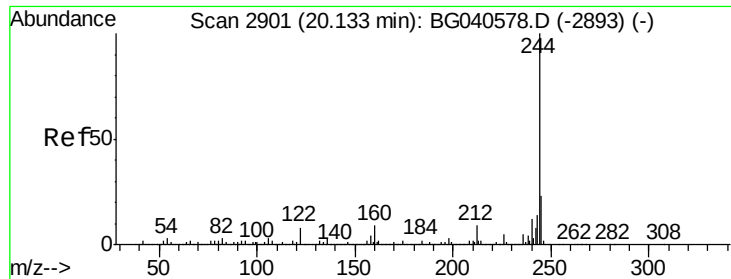


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#79

Terphenyl-d14

Concen: 124.418 ng

RT: 20.12 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040745.D

Acq: 4 May 2019 5:50

Instrument :

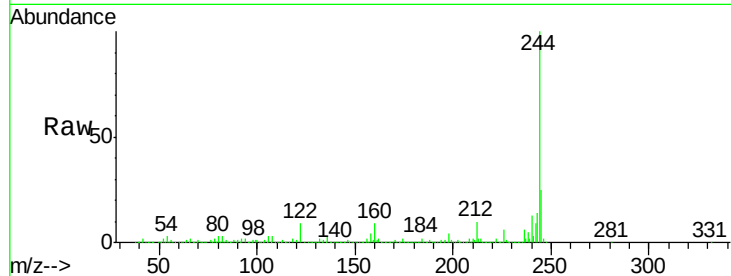
BNA_G

ClientSampleId :

AU-05-050219-B

Tot Ion:244 Resp: 1919486

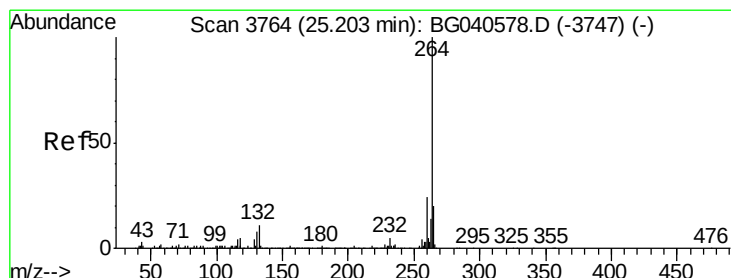
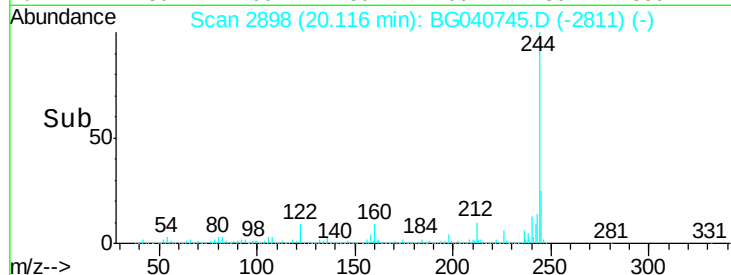
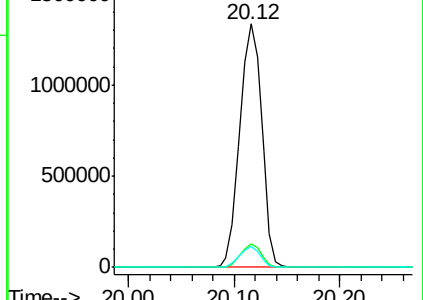
Ion	Ratio	Lower	Upper
244	100		
212	9.8	7.2	10.8
122	8.6	6.6	10.0



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

Perylene-d12

Concen: 20.000 ng

RT: 25.17 min Scan# 3758

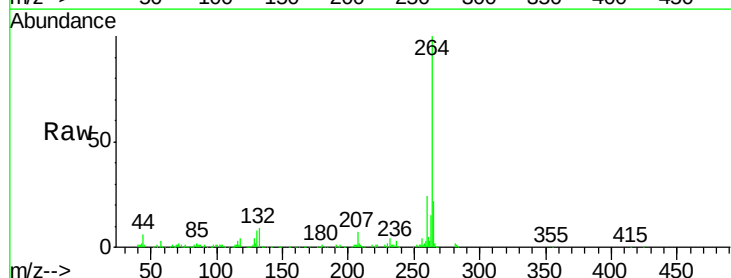
Delta R.T. -0.03 min

Lab File: BG040745.D

Acq: 4 May 2019 5:50

Tgt Ion:264 Resp: 325733

Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.2	28.8
265	21.9	16.6	25.0



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

