

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG050219\
 Data File : BG040712.D
 Acq On : 2 May 2019 18:22
 Operator : JU/SJ
 Sample : K2621-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 A5327

Quant Time: May 03 04:23:30 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

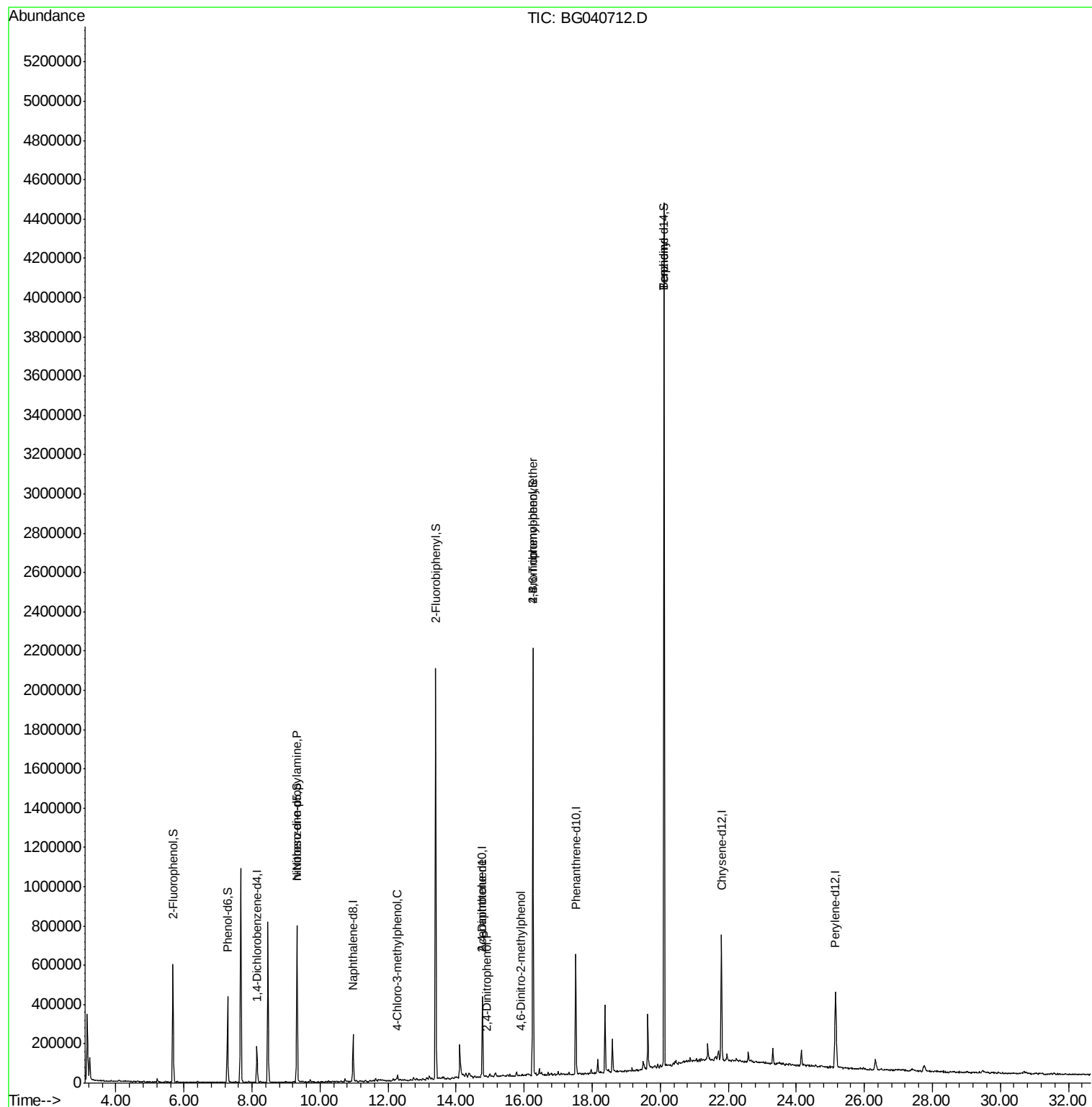
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	43151	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	184603	20.00	ng	-0.01
39) Acenaphthene-d10	14.77	164	140444	20.00	ng	-0.02
64) Phenanthrene-d10	17.52	188	374431	20.00	ng	-0.02
76) Chrysene-d12	21.80	240	377795	20.00	ng	-0.02
87) Perylene-d12	25.16	264	403803	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	222359	90.84	ng	0.00
7) Phenol-d6	7.28	99	216234	57.37	ng	-0.01
23) Nitrobenzene-d5	9.32	82	474581	118.79	ng	-0.02
42) 2,4,6-Tribromophenol	16.26	330	373388	193.42	ng	-0.01
45) 2-Fluorobiphenyl	13.40	172	979809	100.75	ng	-0.02
79) Terphenyl-d14	20.11	244	1932609	113.33	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.28	77	875	Below Cal		Qvalue # 6
19) n-Nitroso-di-n-propylamine	9.33	70	68987	20.333	ng	# 71
36) 4-Chloro-3-methylphenol	12.27	107	10223	2.486	ng	# 25
54) 2,4-Dinitrophenol	14.89	184	66	7.061	ng	# 53
57) 2,4-Dinitrotoluene	14.77	165	18467	5.926	ng	# 18
65) 4,6-Dinitro-2-methylphenol	15.90	198	66	7.132	ng	# 1
67) 4-Bromophenyl-phenylether	16.26	248	28186	6.042	ng	# 1
77) Benzidine	20.11	184	38119	3.685	ng	# 91

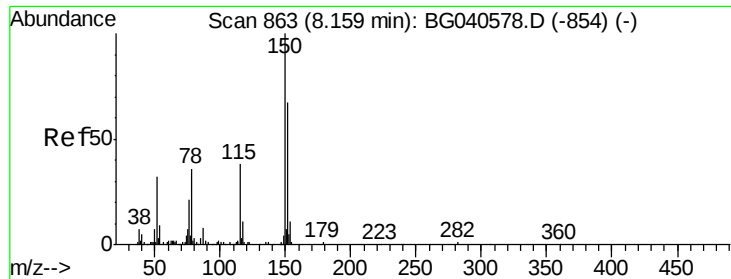
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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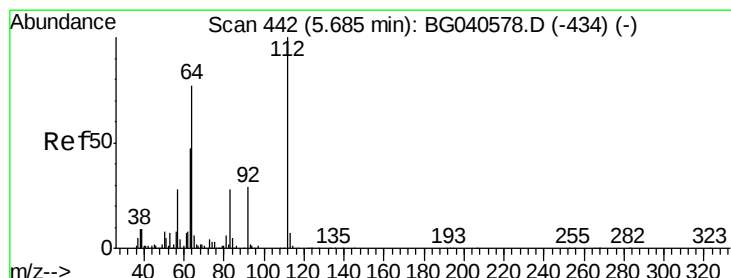
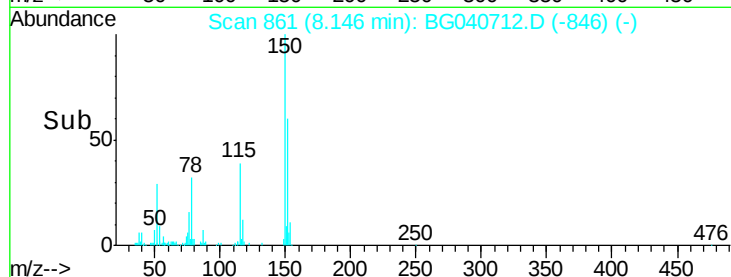
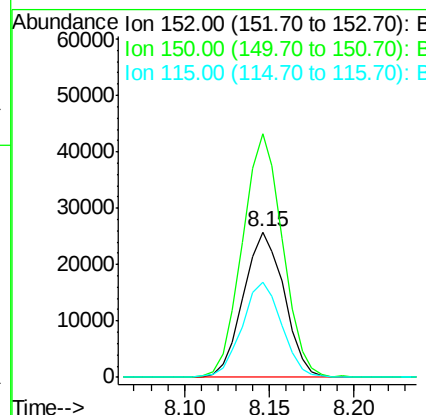
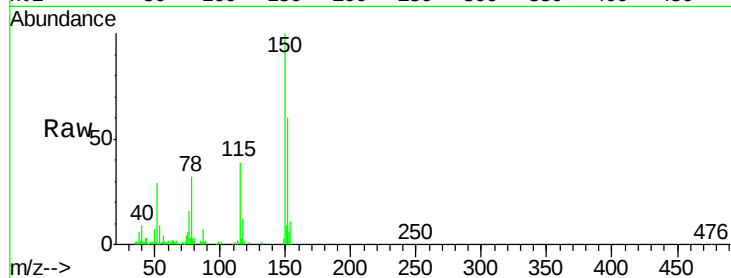


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040712.D
Acq: 2 May 2019 18:22

Instrument :
BNA_G
ClientSampleId :
A5327

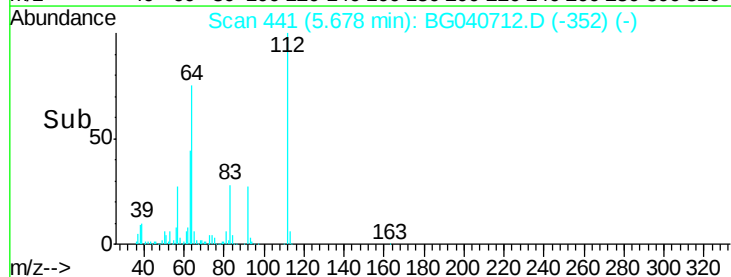
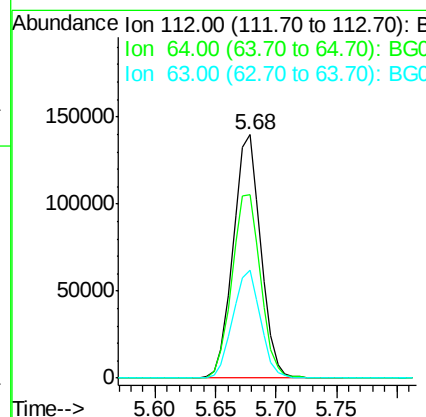
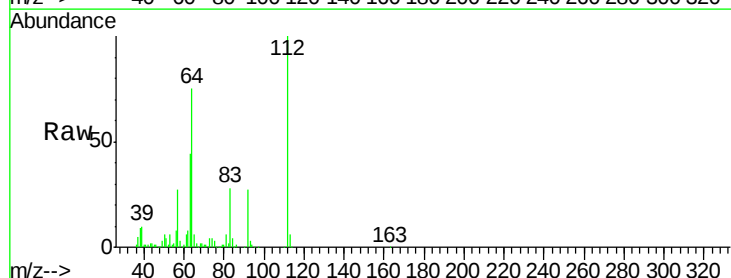
Tot Ion	Ratio	Lower	Upper
152	100		
150	167.5	120.2	180.2
115	65.8	46.2	69.2

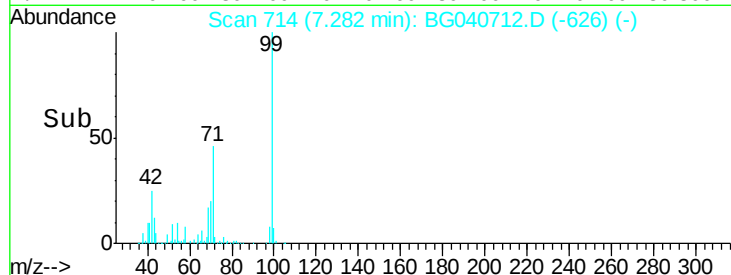
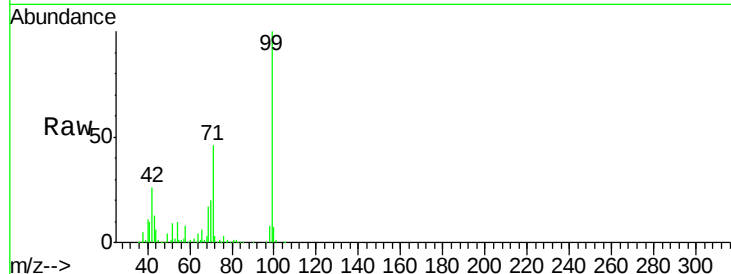
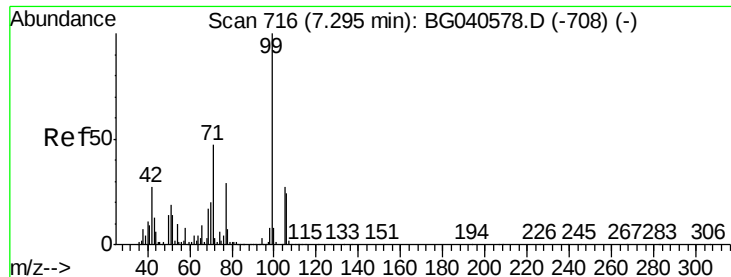


#5

2-Fluorophenol
Concen: 90.836 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.01 min
Lab File: BG040712.D
Acq: 2 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	75.4	61.4	92.0
63	44.3	37.8	56.6





#7

Phenol-d6

Concen: 57.370 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040712.D

Acq: 2 May 2019 18:22

Instrument :

BNA_G

ClientSampleId :

A5327

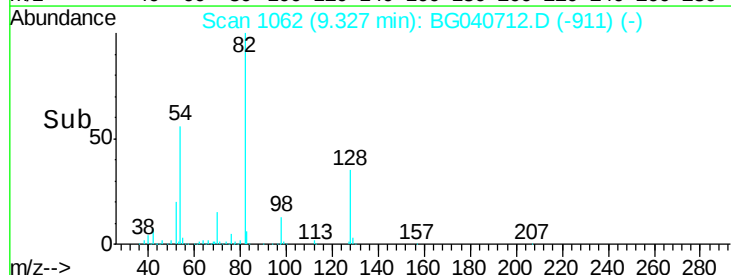
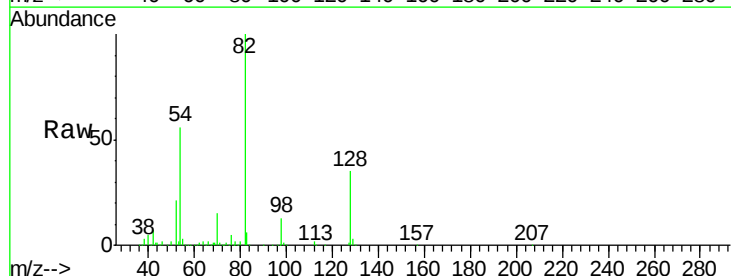
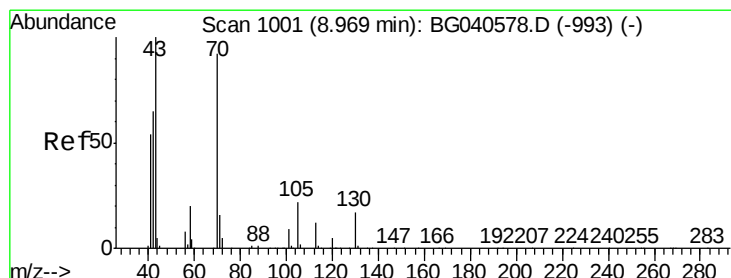
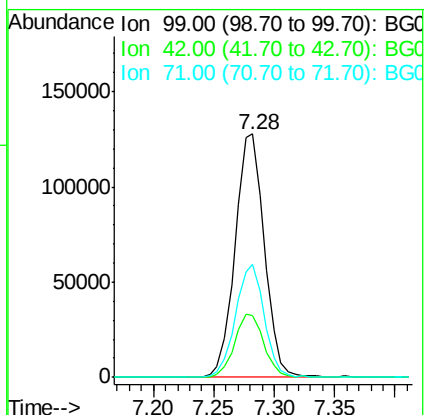
Tot Ion: 99 Resp: 216234

Ion Ratio Lower Upper

99 100

42 25.7 21.8 32.8

71 46.4 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 20.333 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040712.D

Acq: 2 May 2019 18:22

Tgt Ion: 70 Resp: 68987

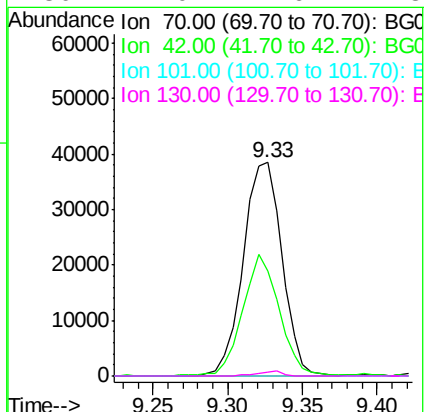
Ion Ratio Lower Upper

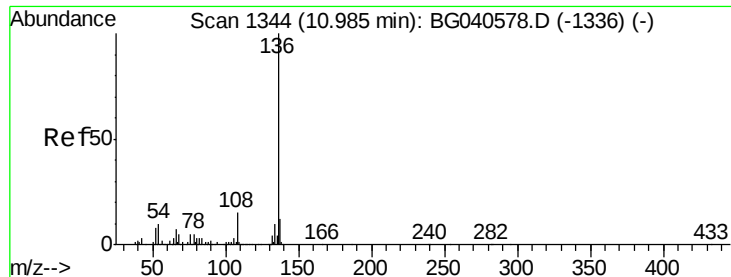
70 100

42 49.2 57.1 85.7#

101 0.0 7.8 11.8#

130 2.0 14.6 21.8#

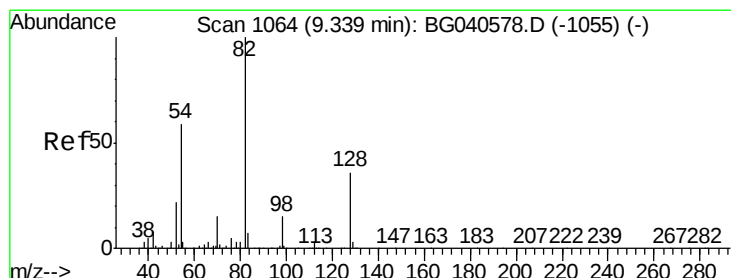
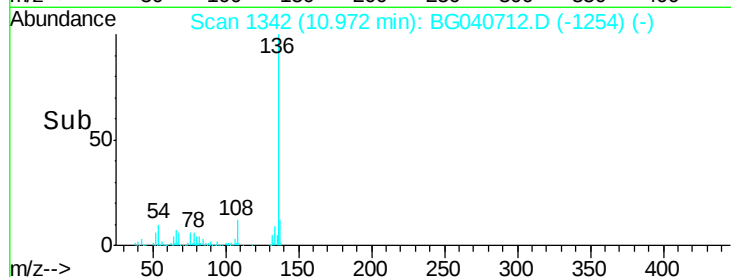
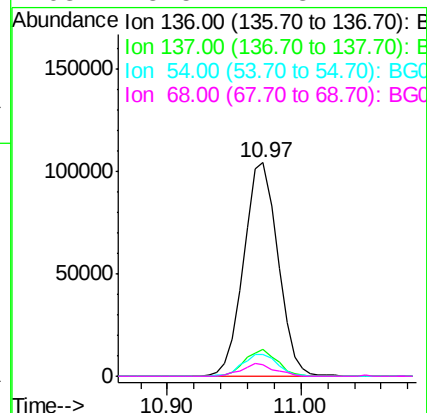
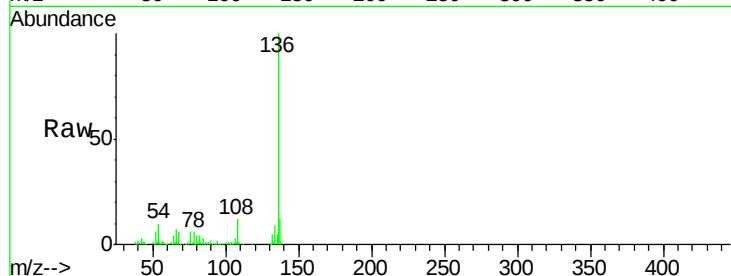




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040712.D
Acq: 2 May 2019 18:22

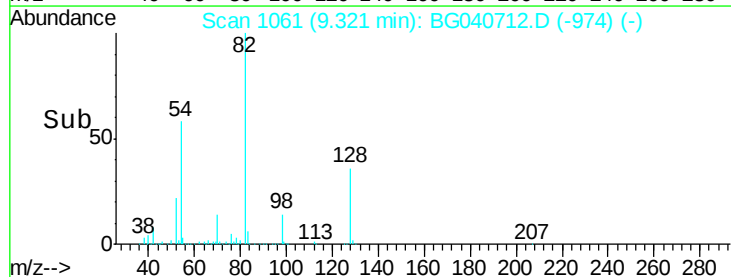
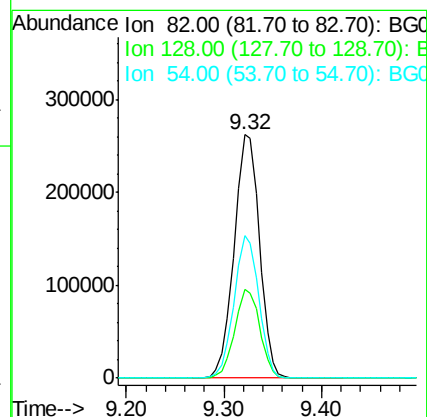
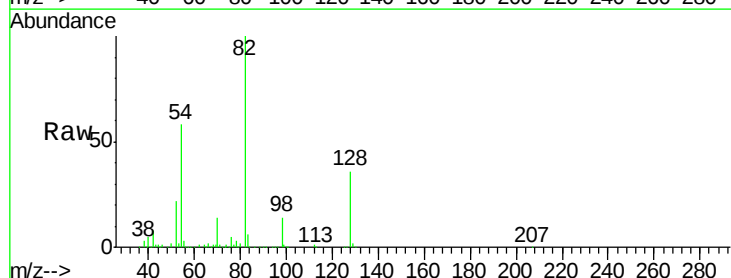
Instrument :
BNA_G
ClientSampleId :
A5327

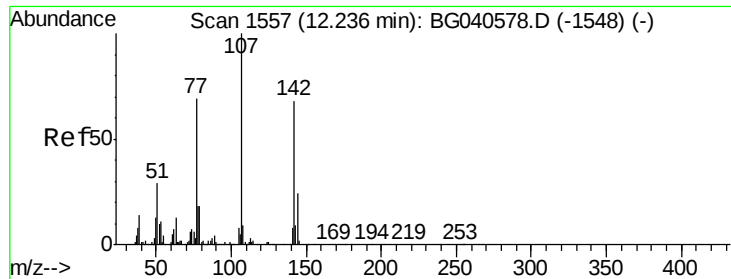
Tot Ion:136	Resp:	184603
Ion	Ratio	Lower Upper
136	100	
137	12.3	9.7 14.5
54	10.5	8.6 12.8
68	5.5	4.8 7.2



#23
Nitrobenzene-d5
Concen: 118.788 ng
RT: 9.32 min Scan# 1061
Delta R.T. -0.02 min
Lab File: BG040712.D
Acq: 2 May 2019 18:22

Tgt Ion: 82	Resp:	474581
Ion	Ratio	Lower Upper
82	100	
128	36.4	28.9 43.3
54	58.3	47.2 70.8

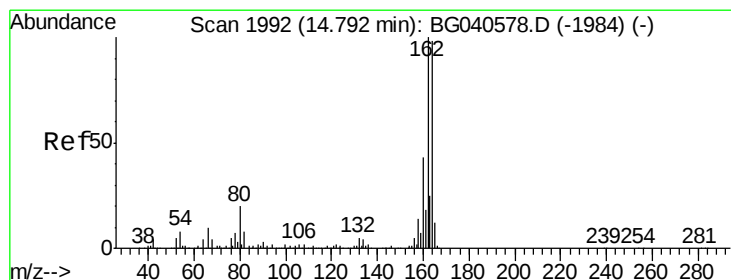
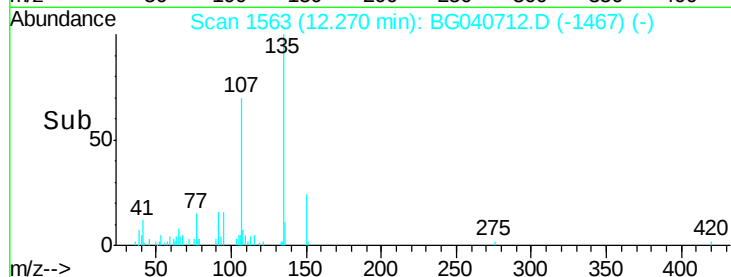
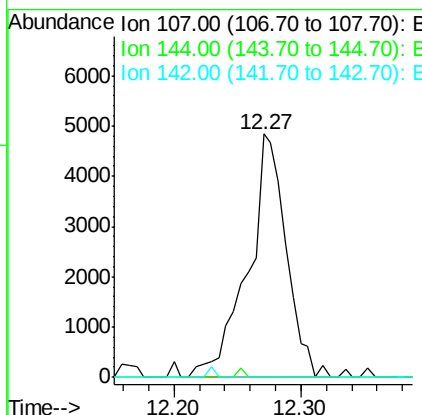
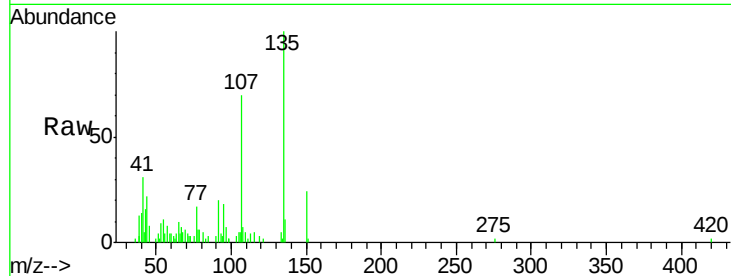




#36
4-Chloro-3-methylphenol
Concen: 2.486 ng
RT: 12.27 min Scan# 1563
Delta R.T. 0.03 min
Lab File: BG040712.D
Acq: 2 May 2019 18:22

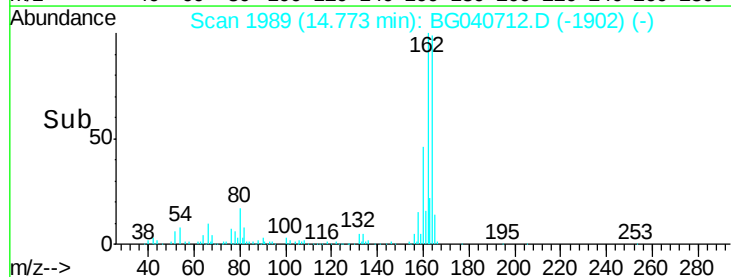
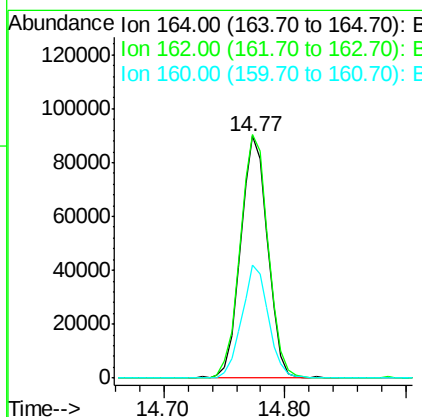
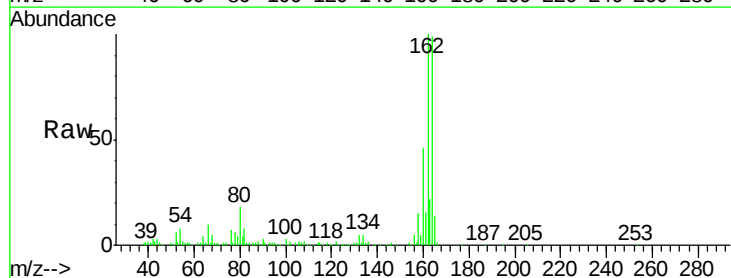
Instrument :
BNA_G
ClientSampleId :
A5327

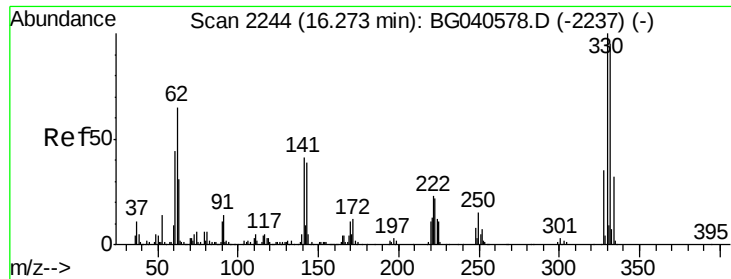
Tot Ion:107 Resp: 10223
Ion Ratio Lower Upper
107 100
144 0.0 19.3 28.9#
142 0.0 54.6 81.8#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.02 min
Lab File: BG040712.D
Acq: 2 May 2019 18:22

Tgt Ion:164 Resp: 140444
Ion Ratio Lower Upper
164 100
162 100.7 81.9 122.9
160 46.5 35.4 53.2

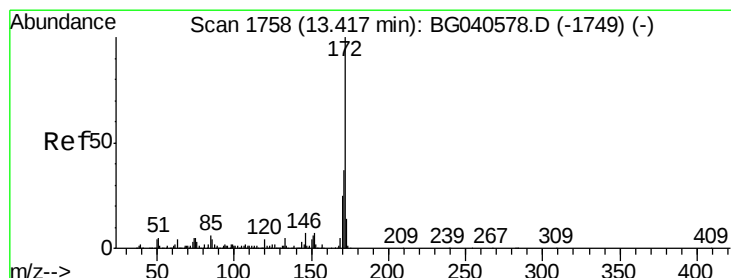
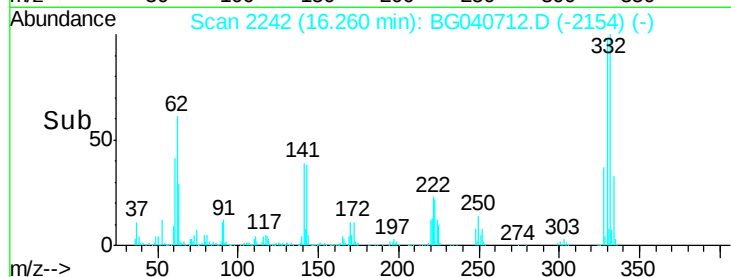
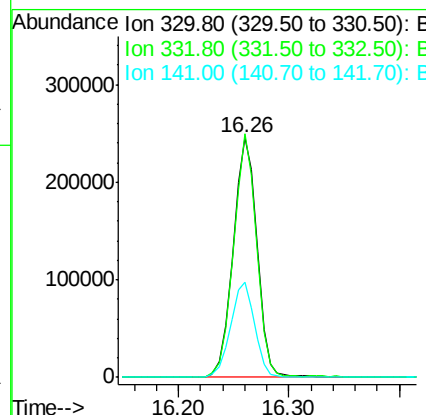
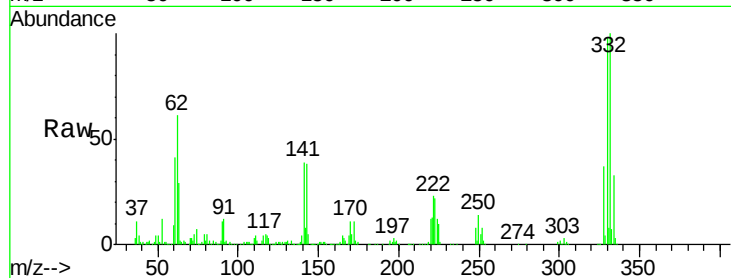




#42
 2,4,6-Tribromophenol
 Concen: 193.422 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.01 min
 Lab File: BG040712.D
 Acq: 2 May 2019 18:22

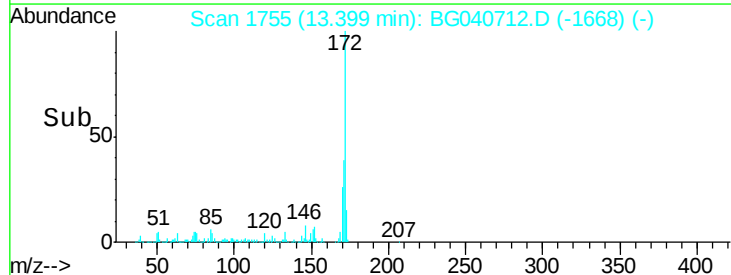
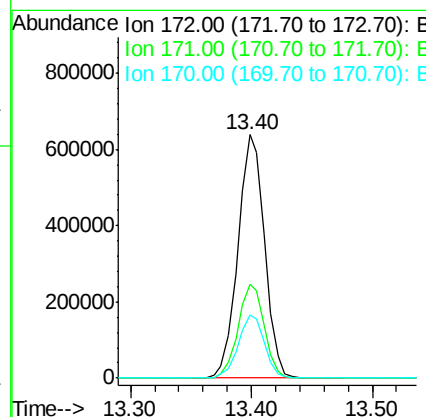
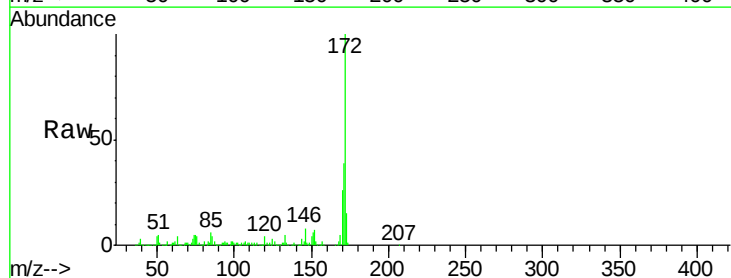
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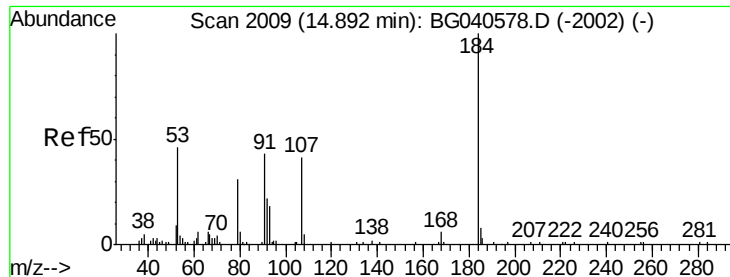
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	75.9	113.9
141	39.8	32.4	48.6



#45
 2-Fluorobiphenyl
 Concen: 100.755 ng
 RT: 13.40 min Scan# 1755
 Delta R.T. -0.02 min
 Lab File: BG040712.D
 Acq: 2 May 2019 18:22

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	29.4	44.2
170	25.7	19.9	29.9

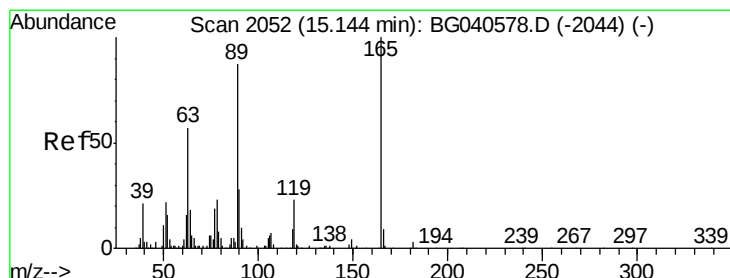
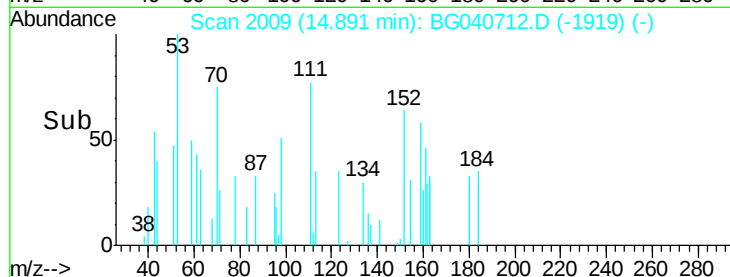
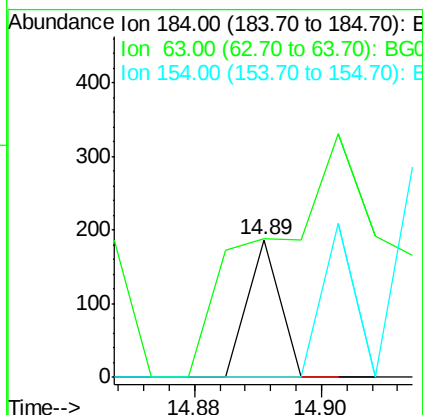
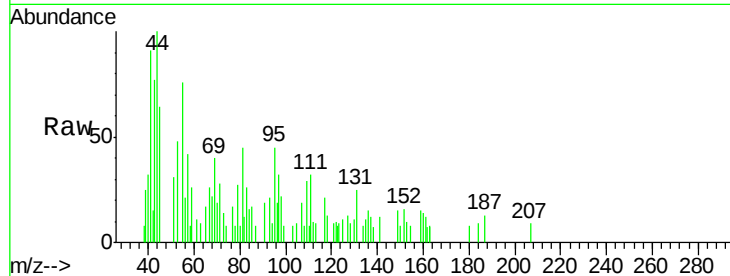




#54
2,4-Dinitrophenol
Concen: 7.061 ng
RT: 14.89 min Scan# 2009
Delta R.T. -0.00 min
Lab File: BG040712.D
Acq: 2 May 2019 18:22

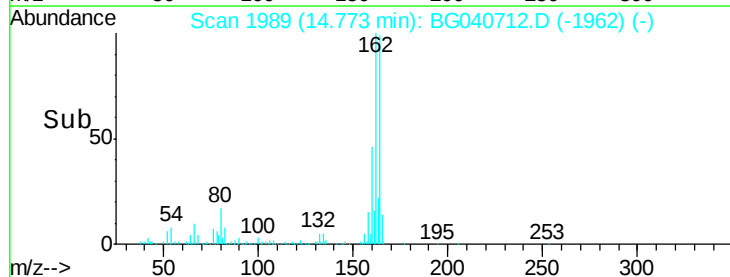
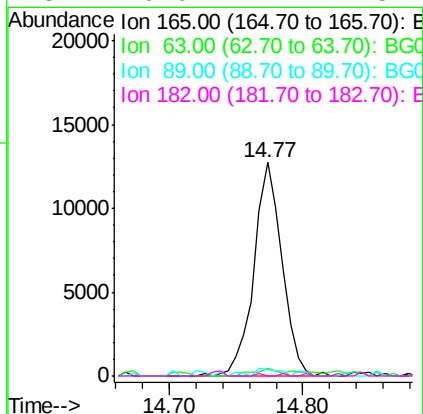
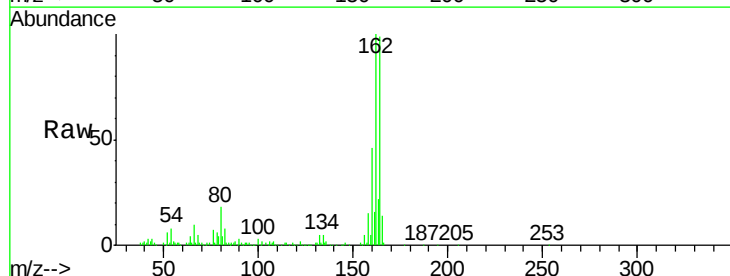
Instrument :
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ClientSampleId :
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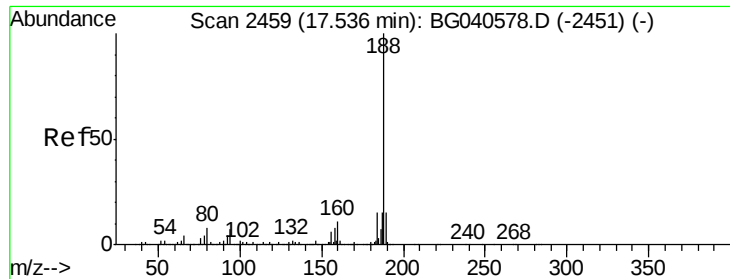
Tot Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 101.1 51.8 77.6#
154 89.3 43.6 65.4#



#57
2,4-Dinitrotoluene
Concen: 5.926 ng
RT: 14.77 min Scan# 1989
Delta R.T. -0.37 min
Lab File: BG040712.D
Acq: 2 May 2019 18:22

Tgt Ion:165 Resp: 18467
Ion Ratio Lower Upper
165 100
63 3.7 45.8 68.8#
89 2.8 69.4 104.2#
182 0.0 2.2 3.4#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.52 min Scan# 2456

Delta R.T. -0.02 min

Lab File: BG040712.D

Acq: 2 May 2019 18:22

Instrument :

BNA_G

ClientSampleId :

A5327

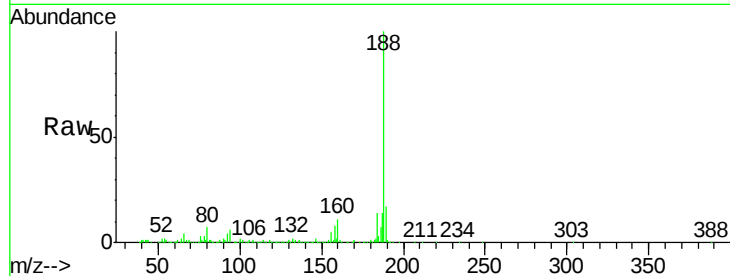
Tot Ion:188 Resp: 374431

Ion Ratio Lower Upper

188 100

94 6.0 5.6 8.4

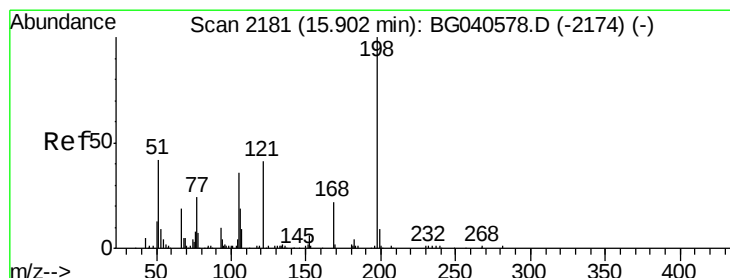
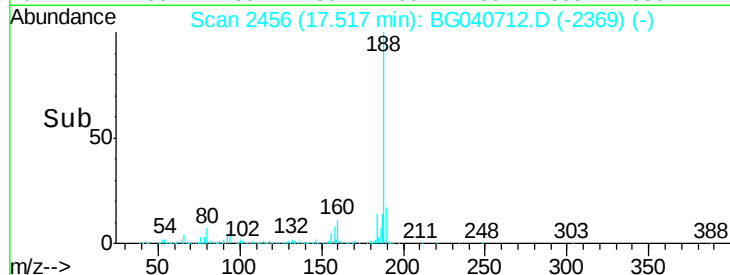
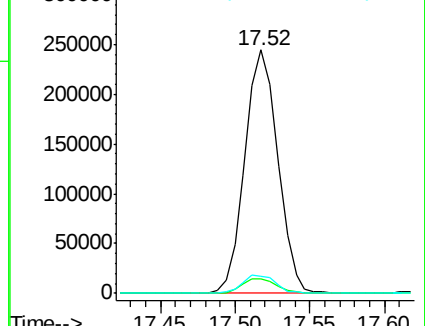
80 7.2 6.4 9.6



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: 7.132 ng

RT: 15.90 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BG040712.D

Acq: 2 May 2019 18:22

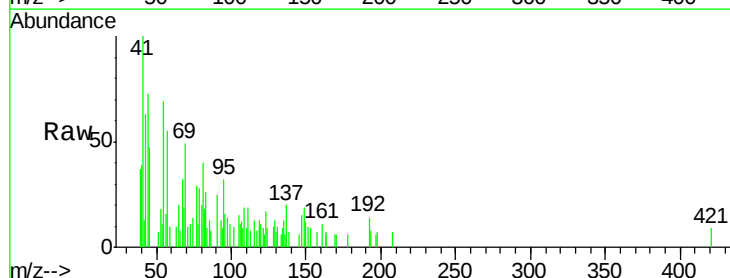
Tgt Ion:198 Resp: 66

Ion Ratio Lower Upper

198 100

51 93.6 35.9 75.9#

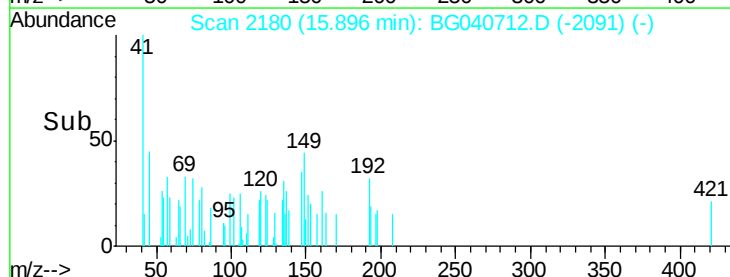
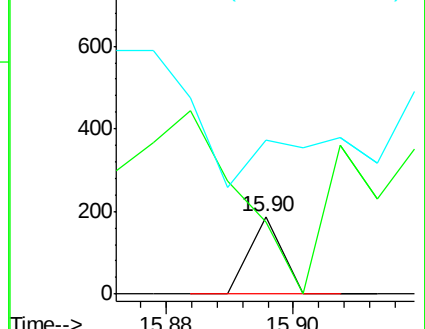
105 199.5 21.2 61.2#

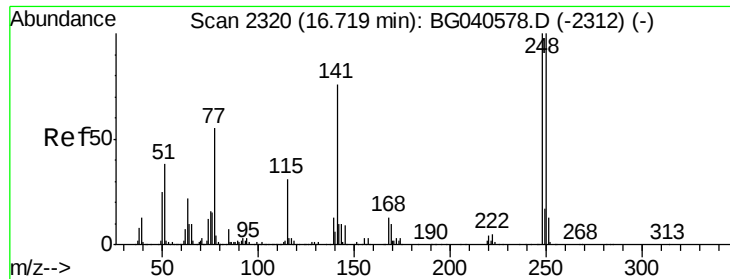


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

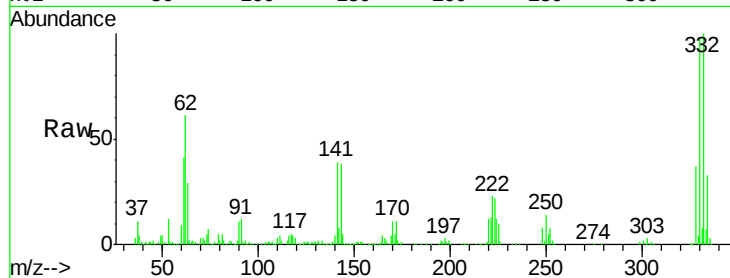




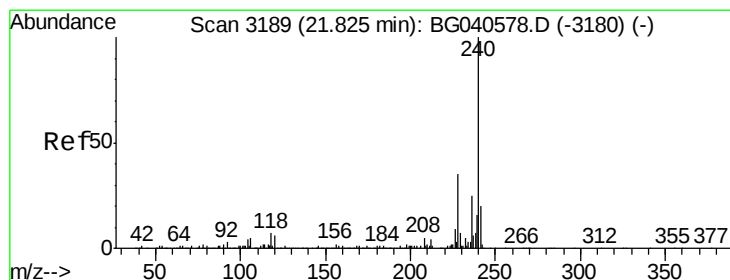
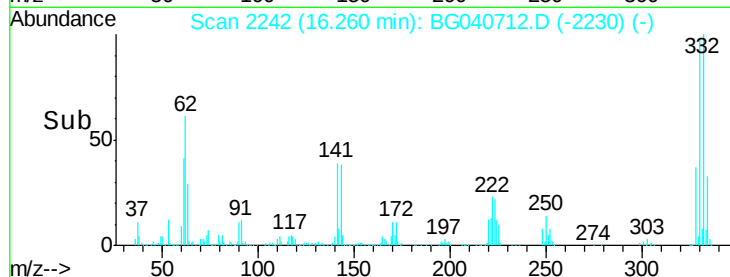
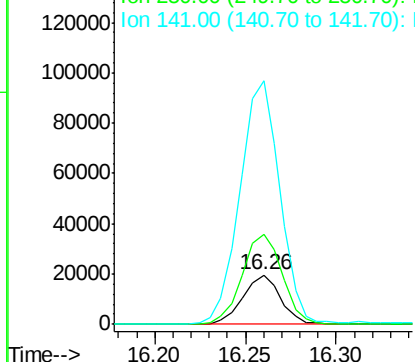
#67
4-Bromophenyl-phenylether
Concen: 6.042 ng
RT: 16.26 min Scan# 2242
Delta R.T. -0.46 min
Lab File: BG040712.D
Acq: 2 May 2019 18:22

Instrument :
BNA_G
ClientSampleId :
A5327

Tot Ion:248 Resp: 28186
Ion Ratio Lower Upper
248 100
250 183.7 79.8 119.6#
141 493.5 60.8 91.2#

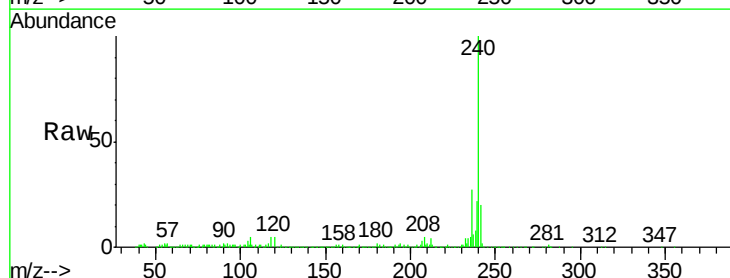


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

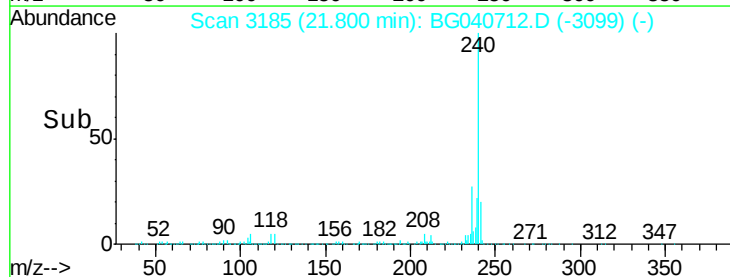
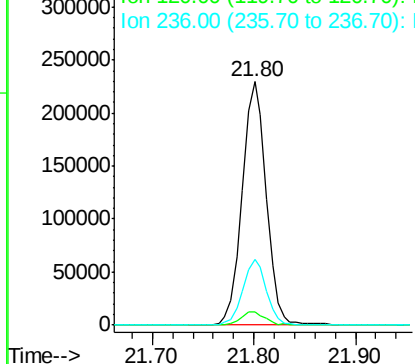


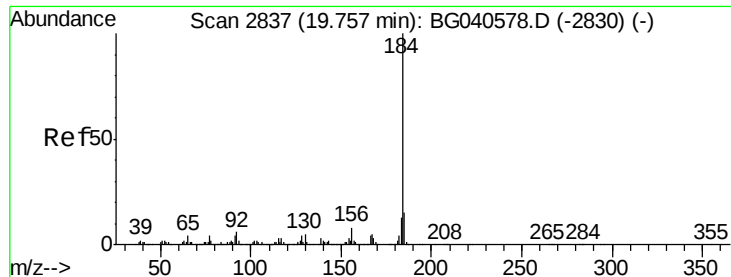
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.80 min Scan# 3185
Delta R.T. -0.02 min
Lab File: BG040712.D
Acq: 2 May 2019 18:22

Tgt Ion:240 Resp: 377795
Ion Ratio Lower Upper
240 100
120 5.5 5.0 7.6
236 26.7 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: 3.685 ng

RT: 20.11 min Scan# 2898

Delta R.T. 0.36 min

Lab File: BG040712.D

Acq: 2 May 2019 18:22

Instrument :

BNA_G

ClientSampleId :

A5327

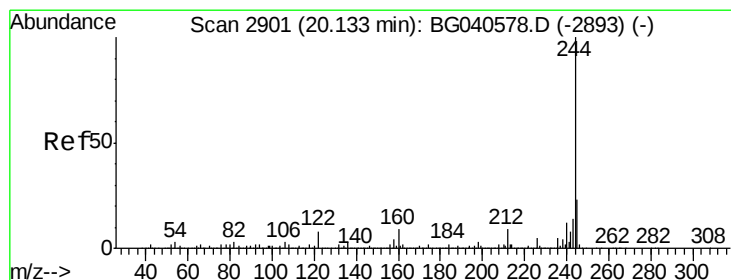
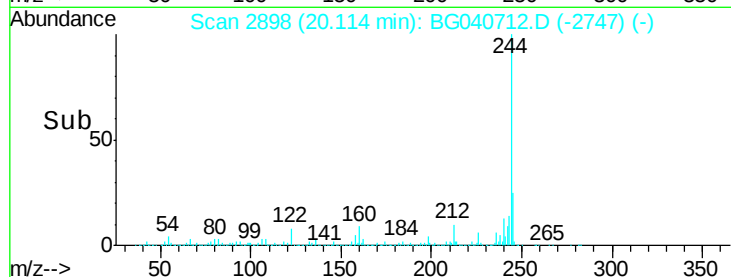
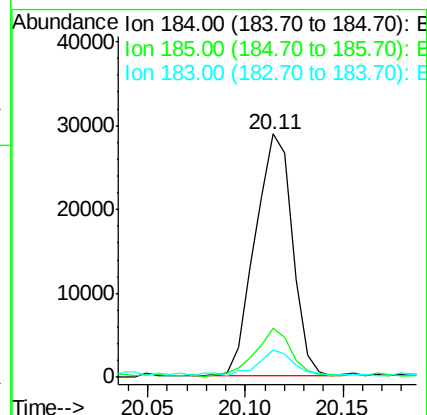
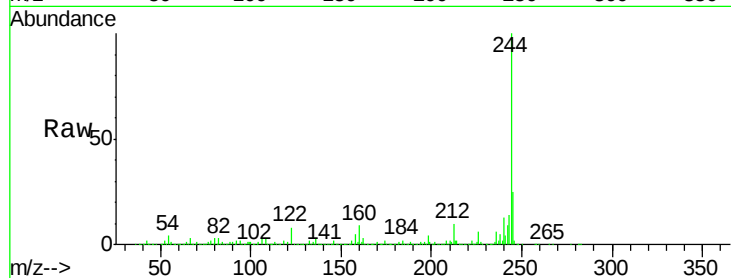
Tot Ion:184 Resp: 38119

Ion Ratio Lower Upper

184 100

185 20.4 11.8 17.8#

183 11.0 10.2 15.2



#79

Terphenyl-d14

Concen: 113.330 ng

RT: 20.11 min Scan# 2898

Delta R.T. -0.02 min

Lab File: BG040712.D

Acq: 2 May 2019 18:22

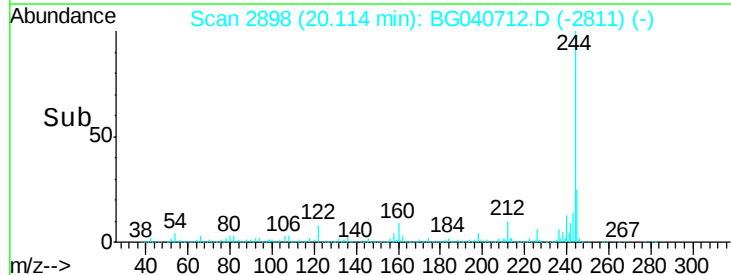
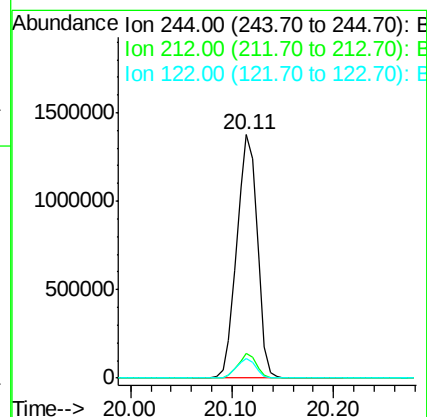
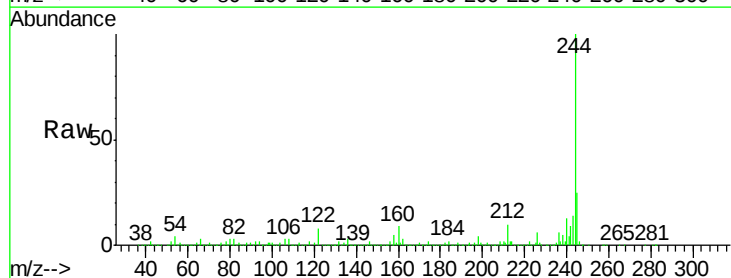
Tgt Ion:244 Resp: 1932609

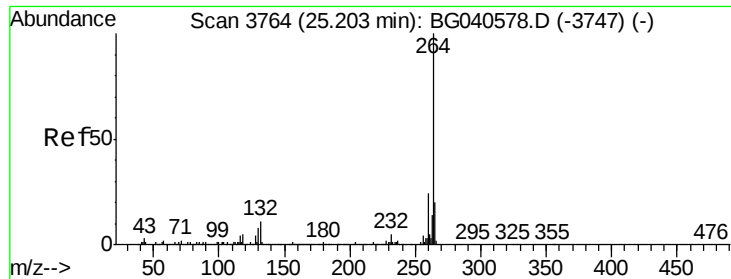
Ion Ratio Lower Upper

244 100

212 10.4 7.2 10.8

122 8.3 6.6 10.0

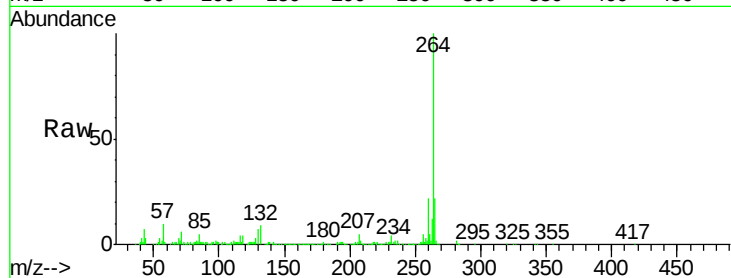




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 25.16 min Scan# 3756
 Delta R.T. -0.05 min
 Lab File: BG040712.D
 Acq: 2 May 2019 18:22

Instrument :
 BNA_G
 ClientSampleId :
 A5327

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.1	19.2	28.8
265	22.0	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

