

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG042919\
 Data File : BG040662.D
 Acq On : 29 Apr 2019 15:25
 Operator : JU/SJ
 Sample : K2576-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 30 01:46:59 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

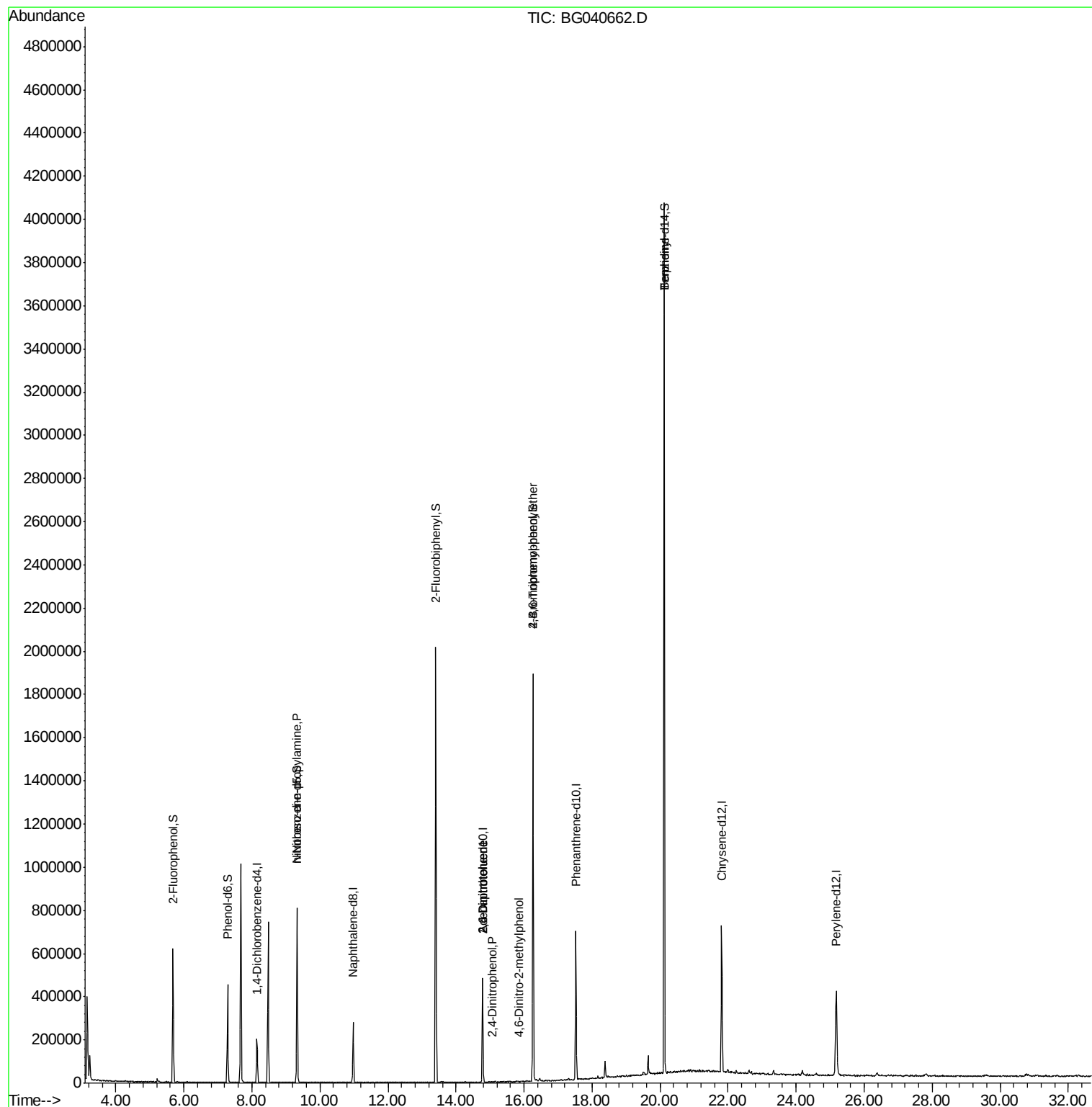
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.15	152	50046	20.00	ng	-0.01
21) Naphthalene-d8	10.97	136	215330	20.00	ng	-0.01
39) Acenaphthene-d10	14.78	164	158661	20.00	ng	-0.01
64) Phenanthrene-d10	17.53	188	400711	20.00	ng	-0.01
76) Chrysene-d12	21.81	240	394371	20.00	ng	-0.02
87) Perylene-d12	25.18	264	421886	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	219891	77.45	ng	0.00
7) Phenol-d6	7.28	99	218088	49.89	ng	-0.01
23) Nitrobenzene-d5	9.33	82	458821	98.46	ng	-0.01
42) 2,4,6-Tribromophenol	16.26	330	328272	150.53	ng	-0.01
45) 2-Fluorobiphenyl	13.41	172	970328	88.32	ng	-0.01
79) Terphenyl-d14	20.12	244	1733748	97.40	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.28	77	855	Below Cal	Qvalue	# 6
19) n-Nitroso-di-n-propylamine	9.33	70	68146	17.318 ng	#	76
51) 2,6-Dinitrotoluene	14.78	165	21115	8.150 ng	#	15
54) 2,4-Dinitrophenol	15.07	184	54	7.048 ng	#	21
57) 2,4-Dinitrotoluene	14.78	165	21115	5.998 ng	#	17
65) 4,6-Dinitro-2-methylphenol	15.84	198	62	7.128 ng	#	28
67) 4-Bromophenyl-phenylether	16.26	248	24622	4.932 ng	#	1
77) Benzidine	20.12	184	34700	3.214 ng	#	93

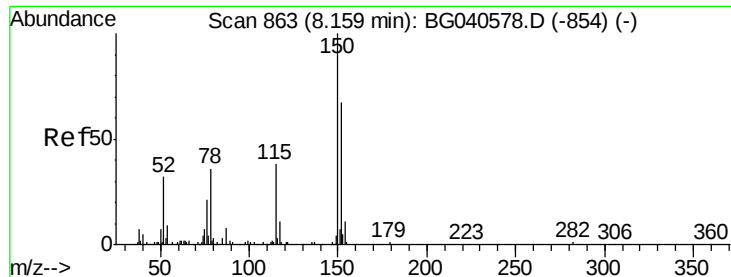
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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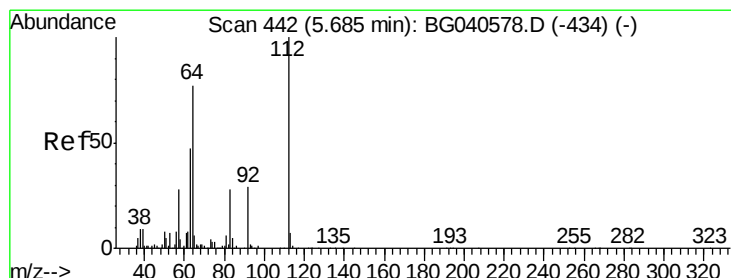
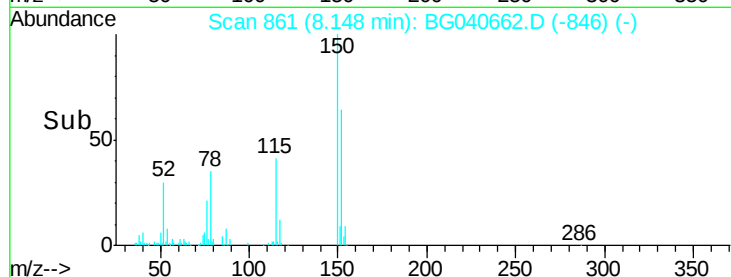
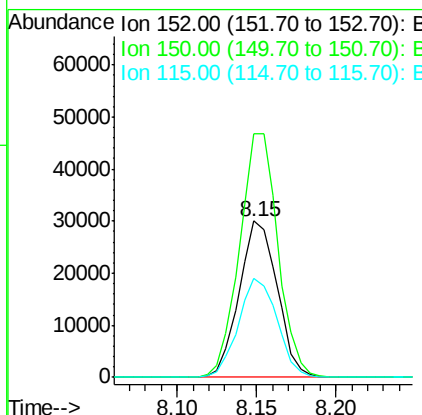
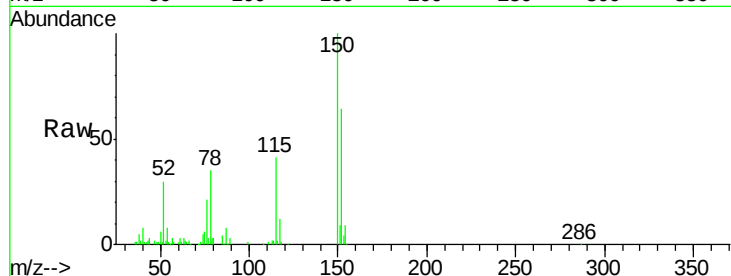


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.15 min Scan# 861
Delta R.T. -0.01 min
Lab File: BG040662.D
Acq: 29 Apr 2019 15:25

Instrument :
BNA_G
ClientSampleId :

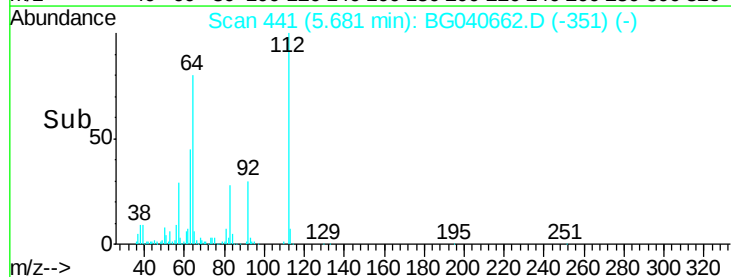
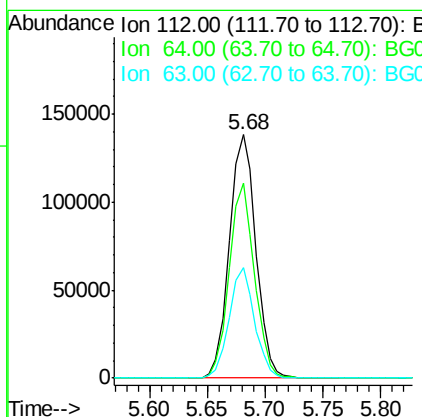
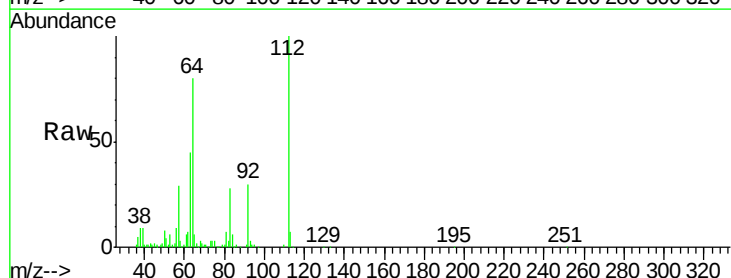
Tot Ion	152	Resp	50046
Ion Ratio	Lower	Upper	
152	100		
150	156.0	120.2	180.2
115	63.4	46.2	69.2

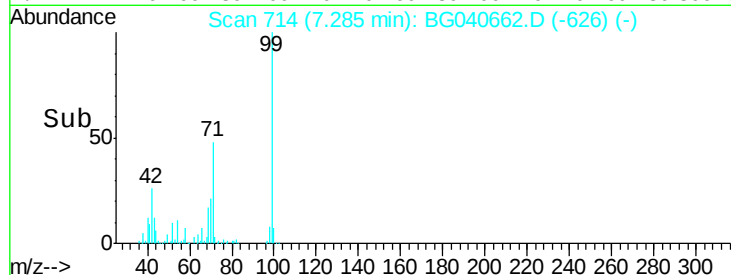
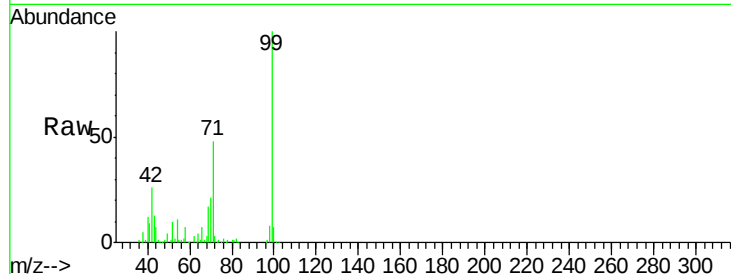


#5

2-Fluorophenol
Concen: 77.452 ng
RT: 5.68 min Scan# 441
Delta R.T. -0.00 min
Lab File: BG040662.D
Acq: 29 Apr 2019 15:25

Tgt Ion	112	Resp	219891
Ion Ratio	Lower	Upper	
112	100		
64	79.9	61.4	92.0
63	45.4	37.8	56.6





#7

Phenol-d6

Concen: 49.890 ng

RT: 7.28 min Scan# 714

Delta R.T. -0.01 min

Lab File: BG040662.D

Acq: 29 Apr 2019 15:25

Instrument :

BNA_G

ClientSampleId :

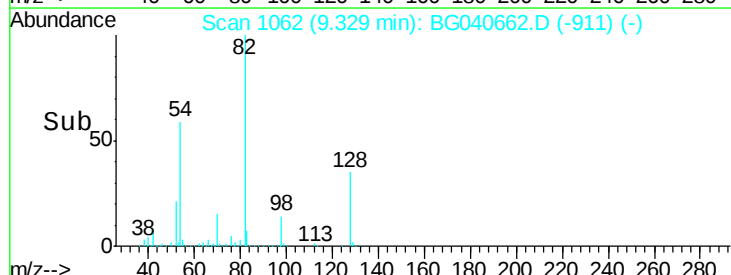
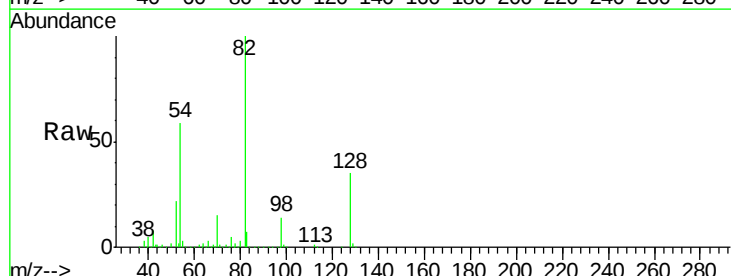
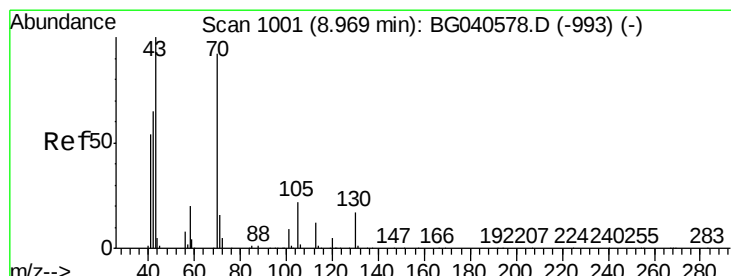
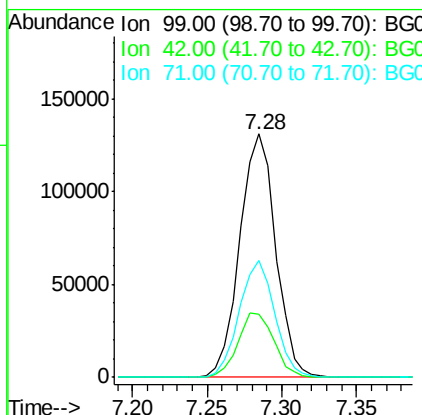
Tot Ion: 99 Resp: 218088

Ion Ratio Lower Upper

99 100

42 26.1 21.8 32.8

71 48.0 38.6 57.8



#19

n-Nitroso-di-n-propylamine

Concen: 17.318 ng

RT: 9.33 min Scan# 1062

Delta R.T. 0.36 min

Lab File: BG040662.D

Acq: 29 Apr 2019 15:25

Tgt Ion: 70 Resp: 68146

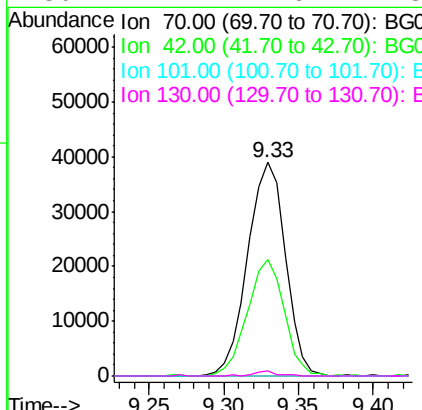
Ion Ratio Lower Upper

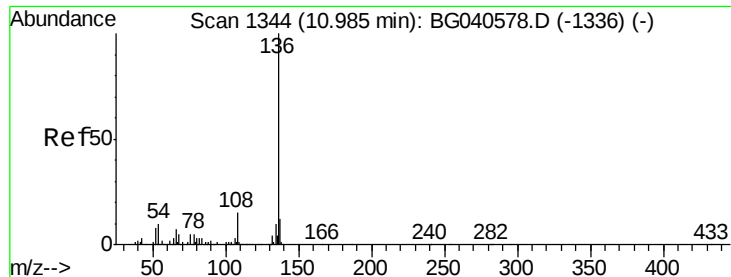
70 100

42 54.4 57.1 85.7#

101 0.0 7.8 11.8#

130 2.2 14.6 21.8#

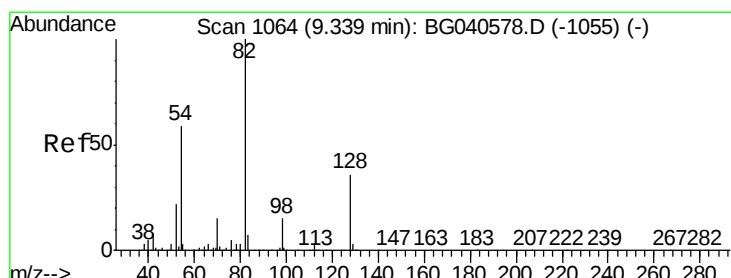
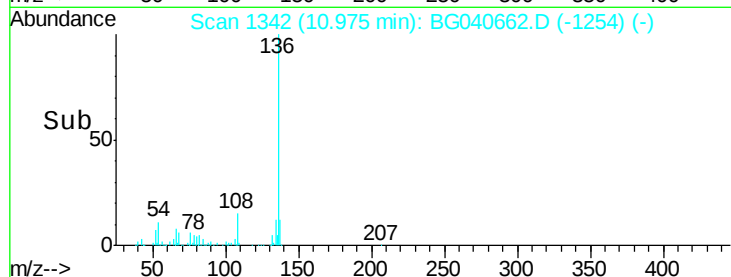
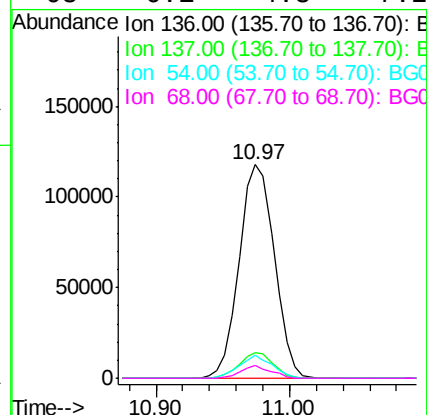
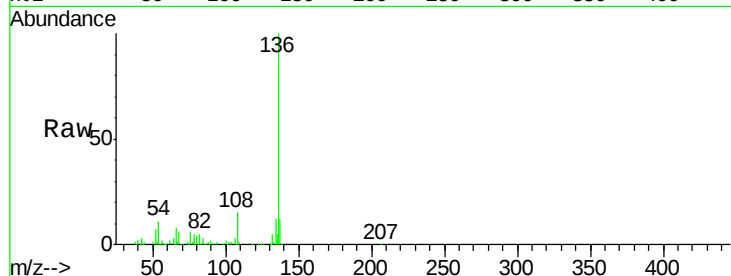




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.97 min Scan# 1342
Delta R.T. -0.01 min
Lab File: BG040662.D
Acq: 29 Apr 2019 15:25

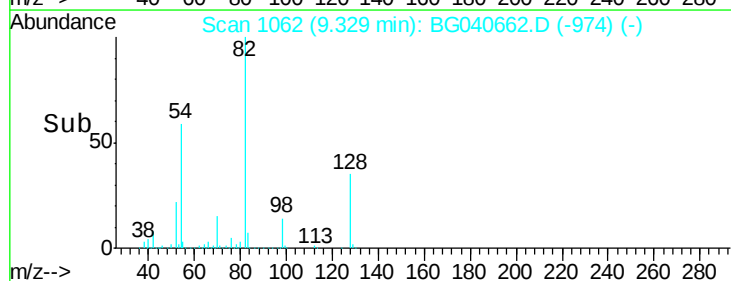
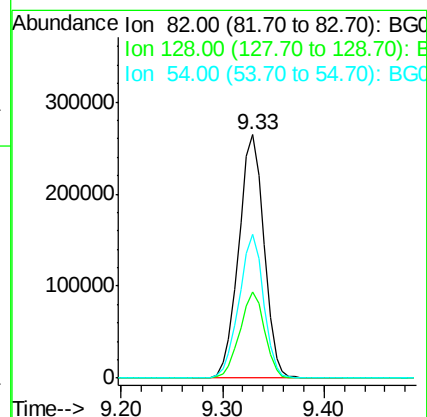
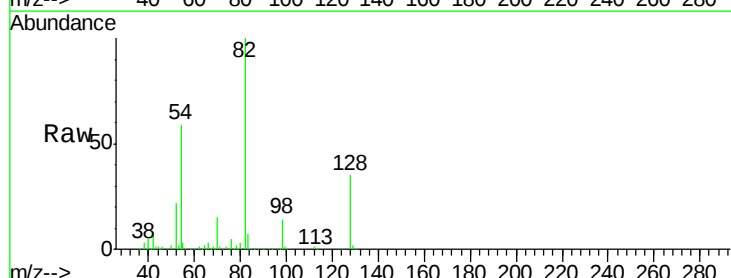
Instrument :
BNA_G
ClientSampleId :

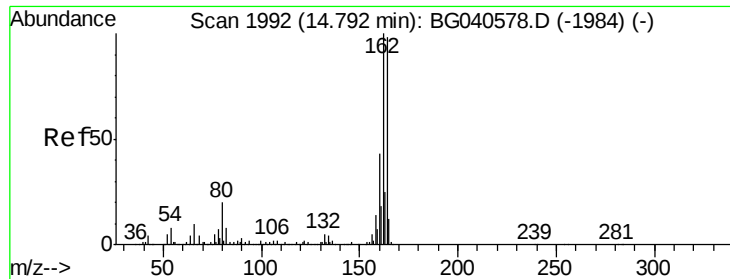
Tot Ion:136	Resp:	215330	
Ion Ratio	Lower	Upper	
136 100			
137 11.8	9.7	14.5	
54 10.8	8.6	12.8	
68 6.1	4.8	7.2	



#23
Nitrobenzene-d5
Concen: 98.455 ng
RT: 9.33 min Scan# 1062
Delta R.T. -0.01 min
Lab File: BG040662.D
Acq: 29 Apr 2019 15:25

Tgt	Ion: 82	Resp:	458821
Ion	Ratio	Lower	Upper
82	100		
128	35.5	28.9	43.3
54	58.9	47.2	70.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.78 min Scan# 1990

Delta R.T. -0.01 min

Lab File: BG040662.D

Acq: 29 Apr 2019 15:25

Instrument :

BNA_G

ClientSampled :

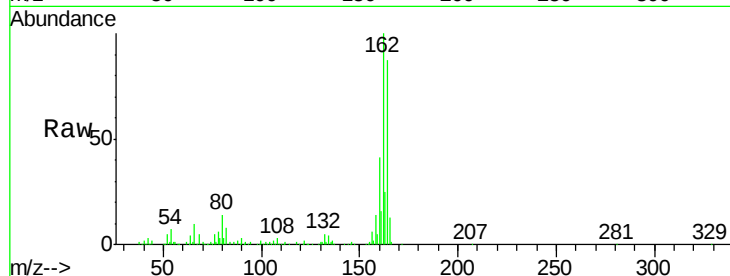
Tot Ion:164 Resp: 158661

Ion Ratio Lower Upper

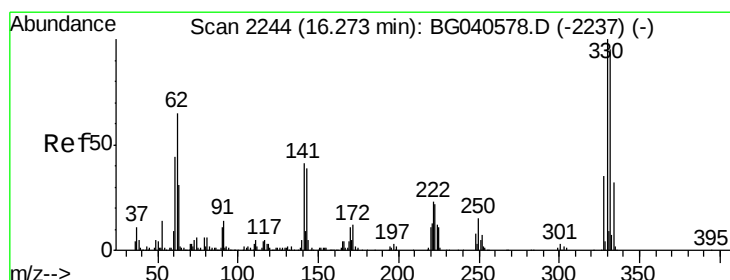
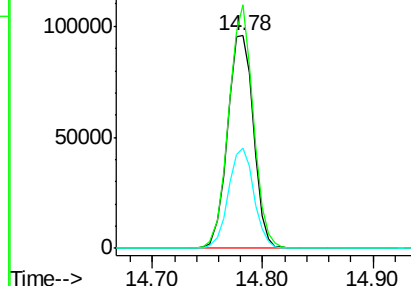
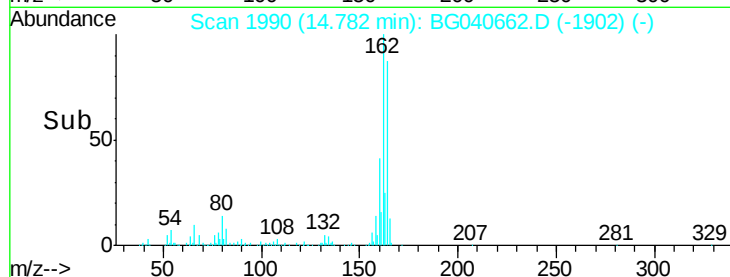
164 100

162 114.6 81.9 122.9

160 46.9 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: 150.526 ng

RT: 16.26 min Scan# 2242

Delta R.T. -0.01 min

Lab File: BG040662.D

Acq: 29 Apr 2019 15:25

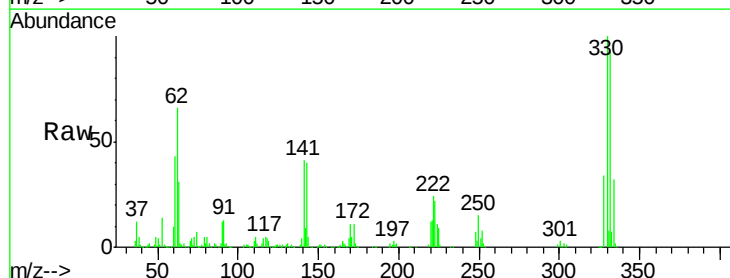
Tgt Ion:330 Resp: 328272

Ion Ratio Lower Upper

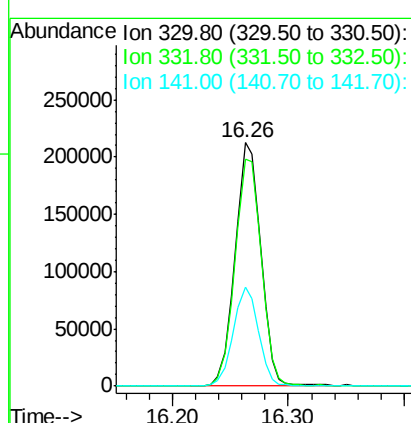
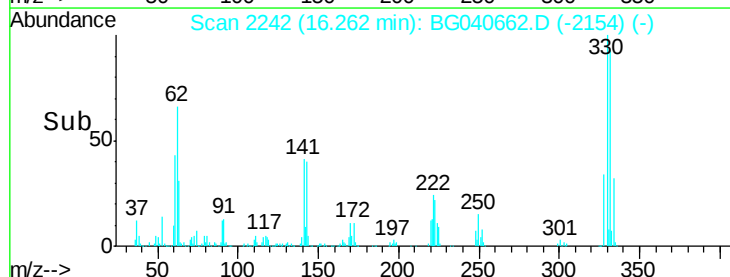
330 100

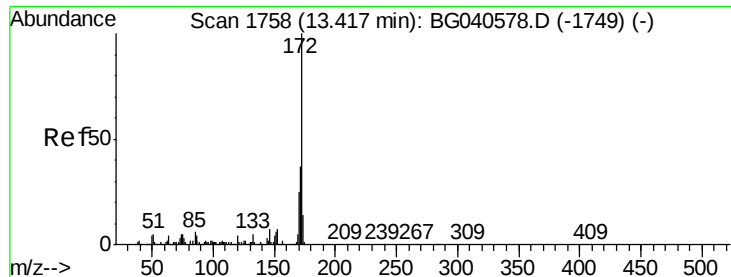
332 96.2 75.9 113.9

141 39.9 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: 88.323 ng

RT: 13.41 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BG040662.D

Acq: 29 Apr 2019 15:25

Instrument :

BNA_G

ClientSampleId :

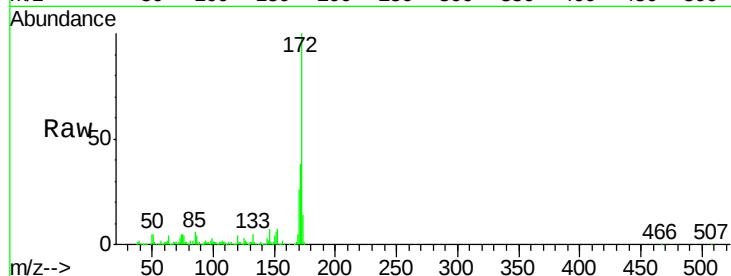
Tot Ion:172 Resp: 970328

Ion Ratio Lower Upper

172 100

171 38.4 29.4 44.2

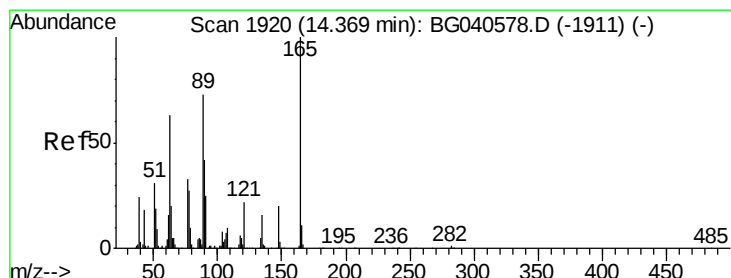
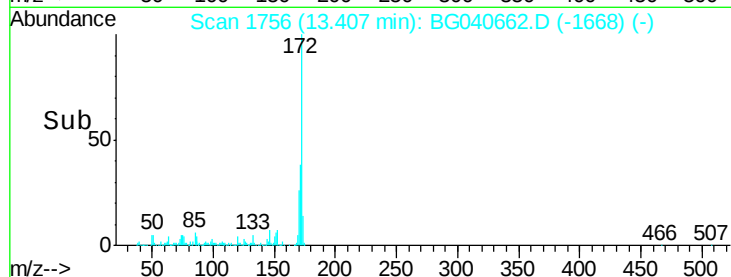
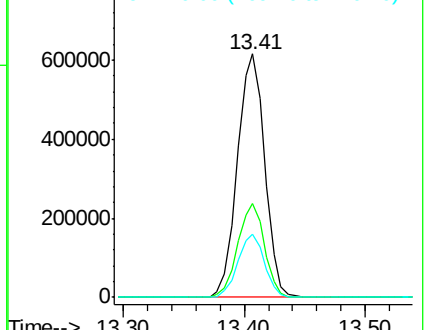
170 25.9 19.9 29.9



Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51

2,6-Dinitrotoluene

Concen: 8.150 ng

RT: 14.78 min Scan# 1990

Delta R.T. 0.41 min

Lab File: BG040662.D

Acq: 29 Apr 2019 15:25

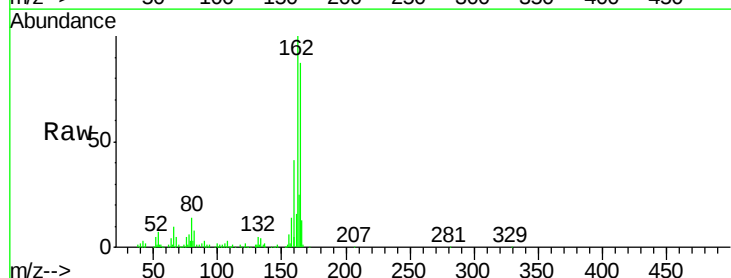
Tgt Ion:165 Resp: 21115

Ion Ratio Lower Upper

165 100

63 2.2 61.0 91.4#

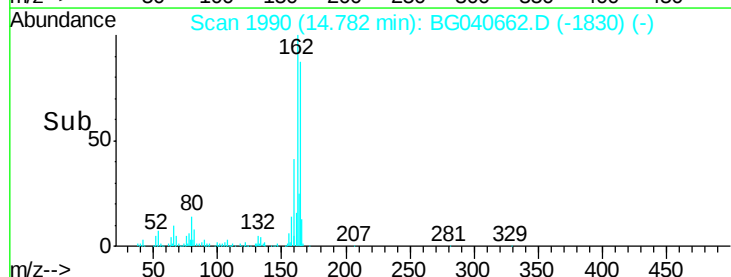
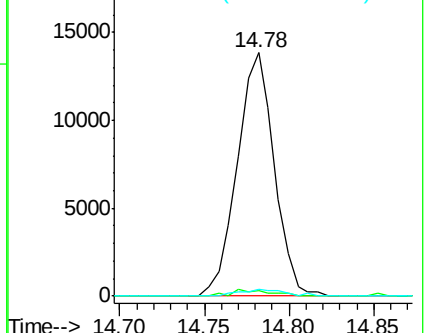
89 2.7 58.6 87.8#

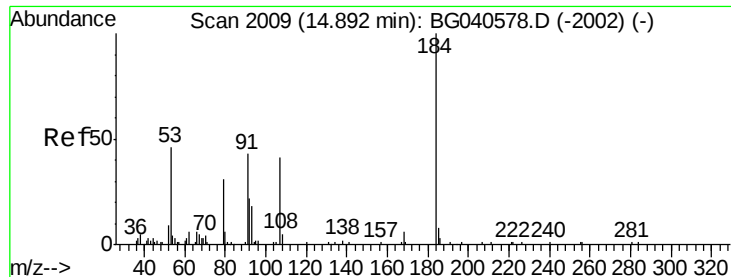


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

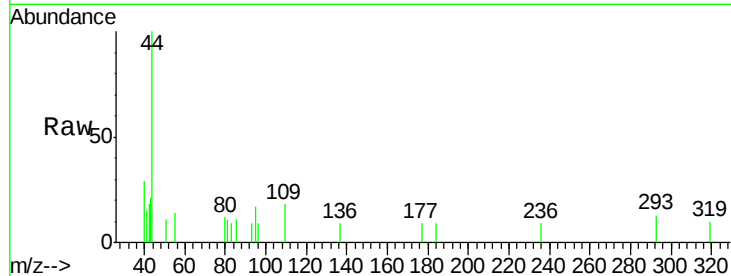




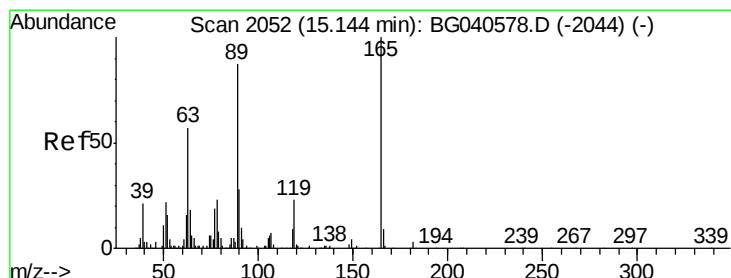
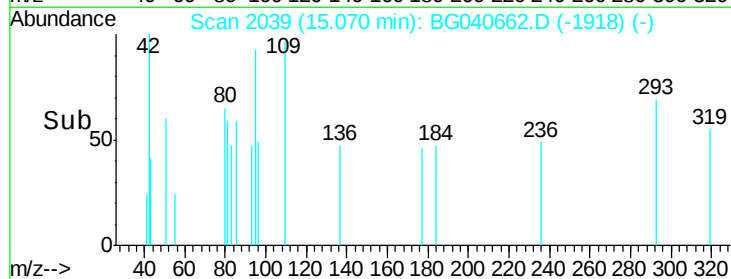
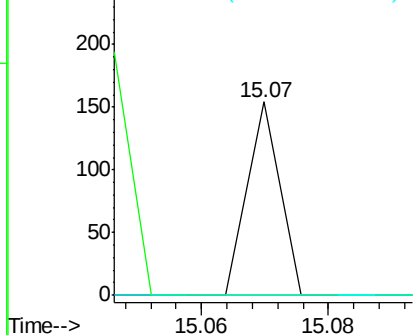
#54
2,4-Dinitrophenol
Concen: 7.048 ng
RT: 15.07 min Scan# 2039
Delta R.T. 0.18 min
Lab File: BG040662.D
Acq: 29 Apr 2019 15:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:184 Resp: 54
Ion Ratio Lower Upper
184 100
63 0.0 51.8 77.6#
154 0.0 43.6 65.4#

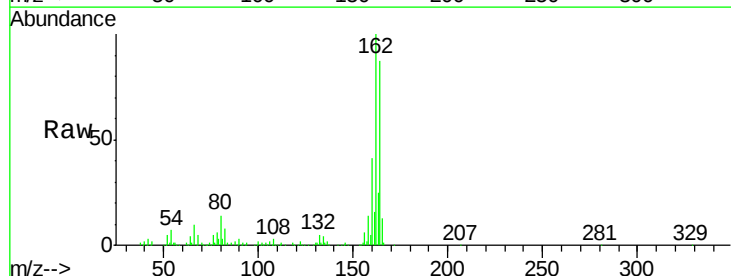


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 154.00 (153.70 to 154.70): E

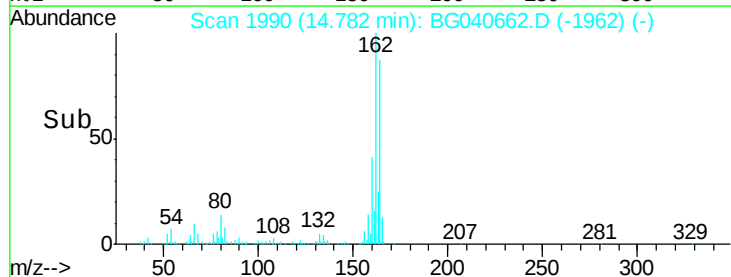
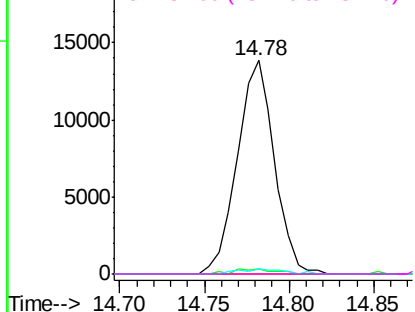


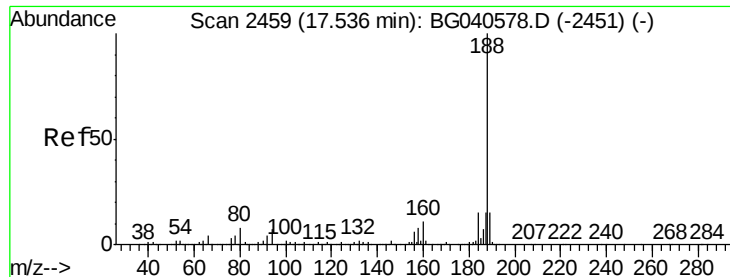
#57
2,4-Dinitrotoluene
Concen: 5.998 ng
RT: 14.78 min Scan# 1990
Delta R.T. -0.36 min
Lab File: BG040662.D
Acq: 29 Apr 2019 15:25

Tgt Ion:165 Resp: 21115
Ion Ratio Lower Upper
165 100
63 2.2 45.8 68.8#
89 2.7 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

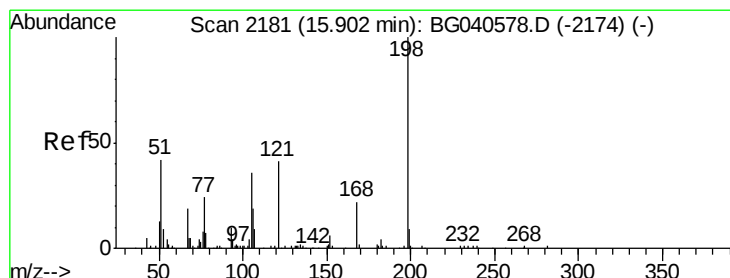
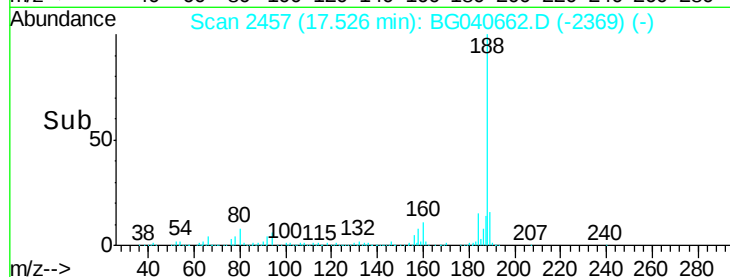
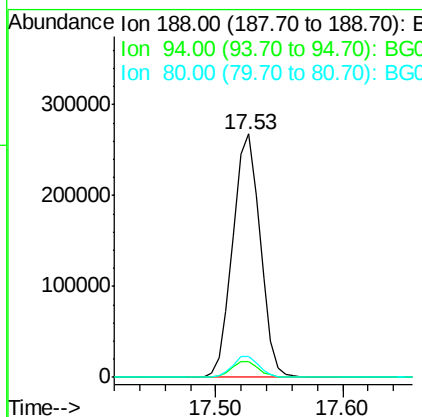
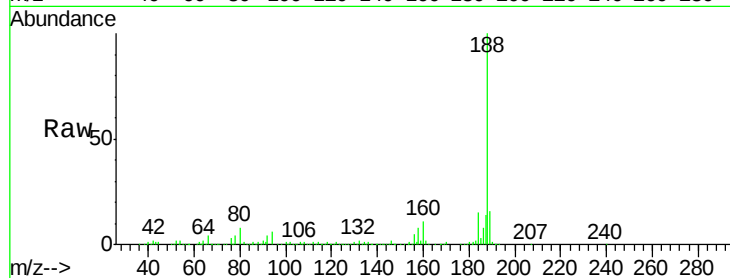




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.53 min Scan# 2457
Delta R.T. -0.01 min
Lab File: BG040662.D
Acq: 29 Apr 2019 15:25

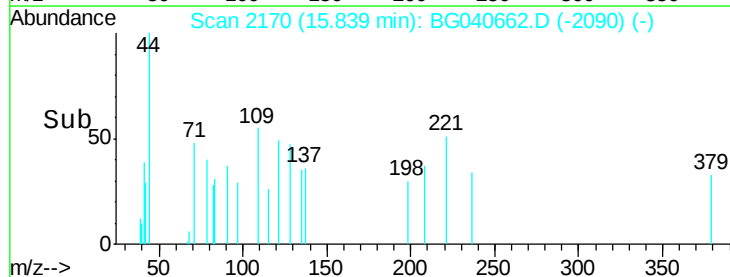
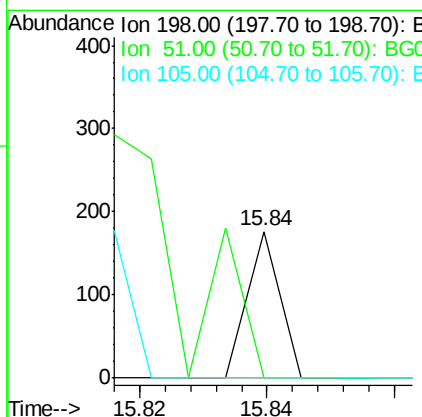
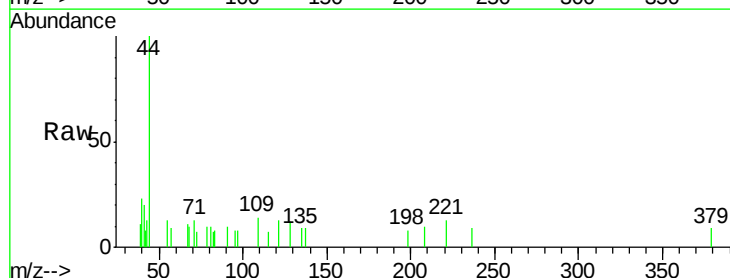
Instrument :
BNA_G
ClientSampleId :

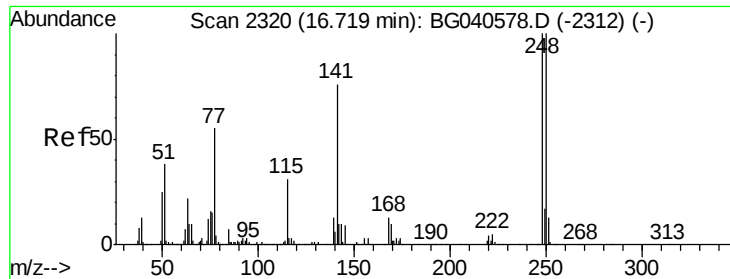
Tot Ion:188 Resp: 400711
Ion Ratio Lower Upper
188 100
94 6.3 5.6 8.4
80 8.5 6.4 9.6



#65
4,6-Dinitro-2-methylphenol
Concen: 7.128 ng
RT: 15.84 min Scan# 2170
Delta R.T. -0.06 min
Lab File: BG040662.D
Acq: 29 Apr 2019 15:25

Tgt Ion:198 Resp: 62
Ion Ratio Lower Upper
198 100
51 0.0 35.9 75.9#
105 0.0 21.2 61.2#

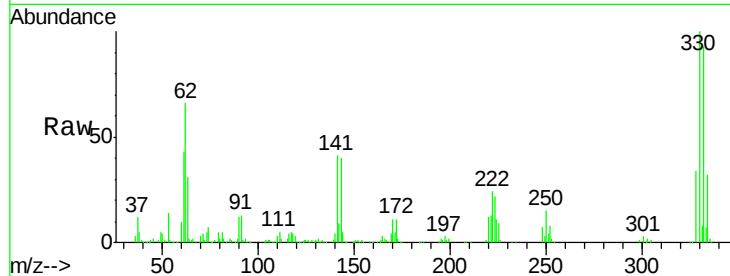




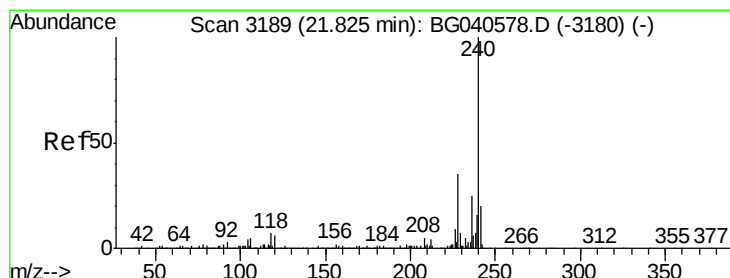
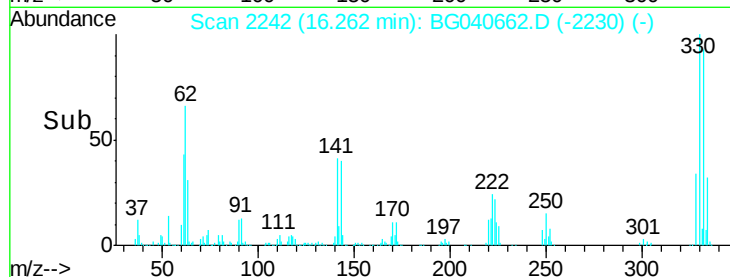
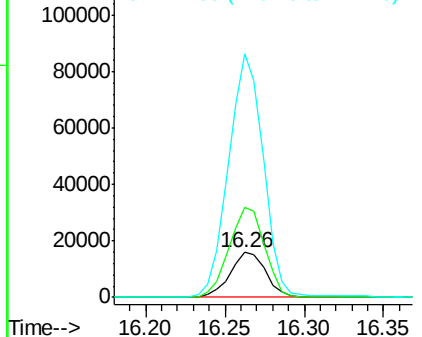
#67
 4-Bromophenyl-phenylether
 Concen: 4.932 ng
 RT: 16.26 min Scan# 2242
 Delta R.T. -0.46 min
 Lab File: BG040662.D
 Acq: 29 Apr 2019 15:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 24622
 Ion Ratio Lower Upper
 248 100
 250 200.0 79.8 119.6#
 141 541.9 60.8 91.2#

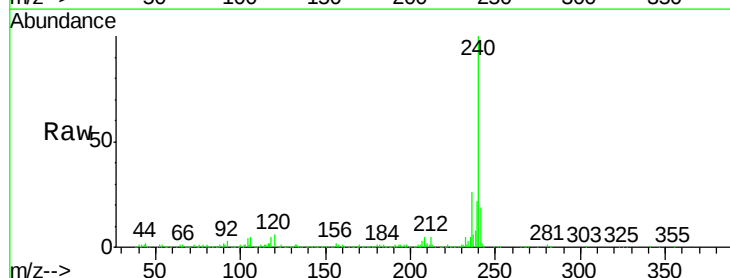


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

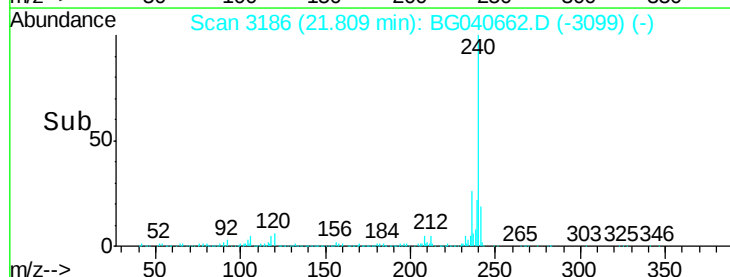
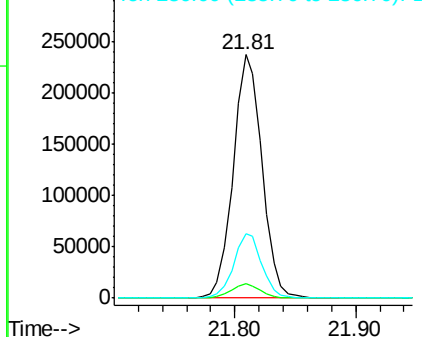


#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.81 min Scan# 3186
 Delta R.T. -0.02 min
 Lab File: BG040662.D
 Acq: 29 Apr 2019 15:25

Tgt Ion:240 Resp: 394371
 Ion Ratio Lower Upper
 240 100
 120 6.1 5.0 7.6
 236 26.3 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: 3.214 ng

RT: 20.12 min Scan# 2899

Delta R.T. 0.37 min

Lab File: BG040662.D

Acq: 29 Apr 2019 15:25

Instrument :

BNA_G

ClientSampleId :

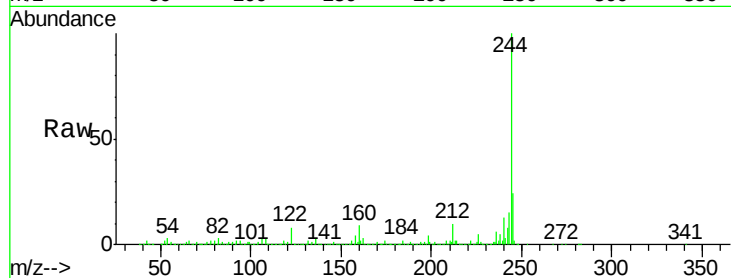
Tot Ion:184 Resp: 34700

Ion Ratio Lower Upper

184 100

185 16.9 11.8 17.8

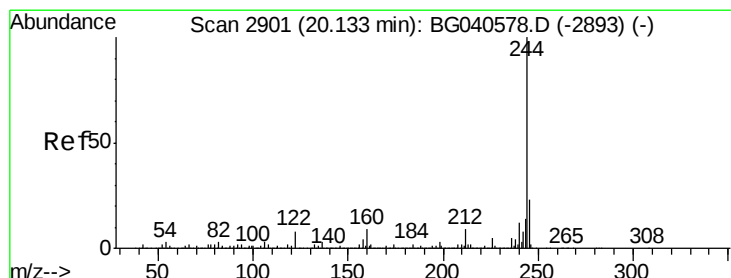
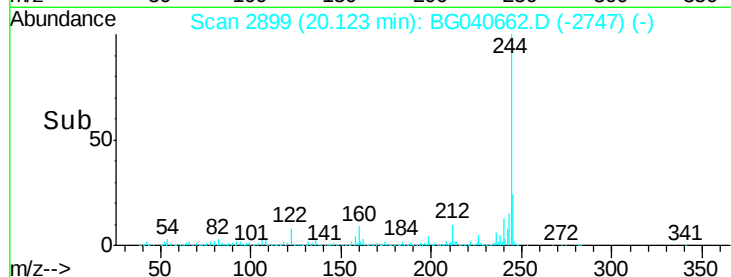
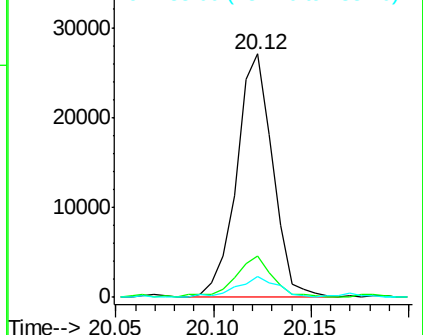
183 8.8 10.2 15.2#



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: 97.395 ng

RT: 20.12 min Scan# 2899

Delta R.T. -0.01 min

Lab File: BG040662.D

Acq: 29 Apr 2019 15:25

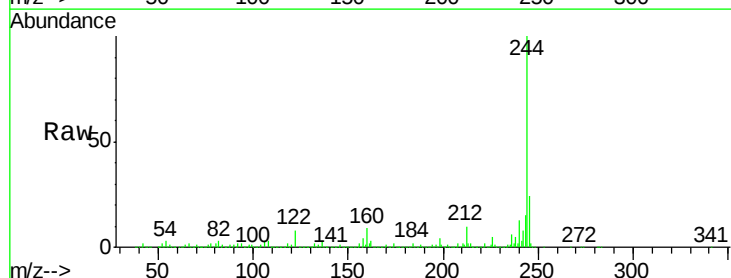
Tgt Ion:244 Resp: 1733748

Ion Ratio Lower Upper

244 100

212 9.7 7.2 10.8

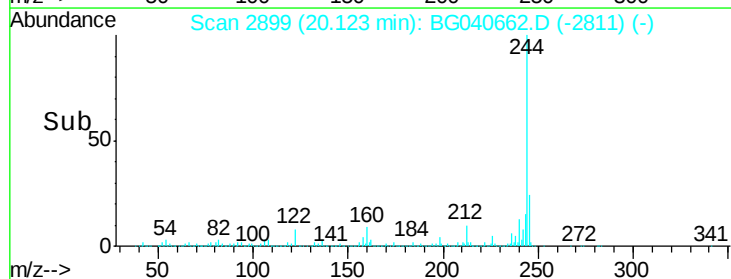
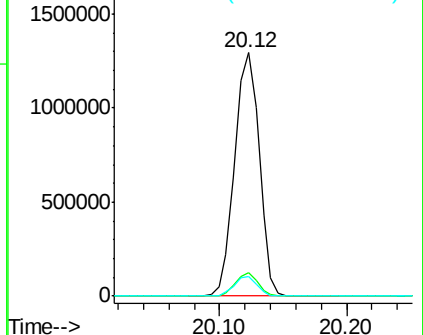
122 8.2 6.6 10.0

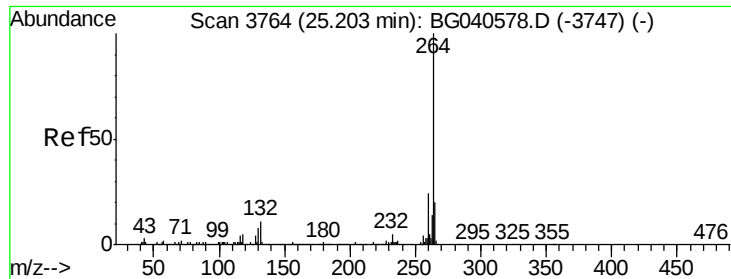


Abundance Ion 244.00 (243.70 to 244.70): E

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: 25.18 min Scan# 3759
Delta R.T. -0.03 min
Lab File: BG040662.D
Acq: 29 Apr 2019 15:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	19.2	28.8
265	19.9	16.6	25.0

