

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101118\
 Data File : BG037287.D
 Acq On : 12 Oct 2018 11:40
 Operator : JU/SJ
 Sample : J5371-08
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 13:27:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 11 13:59:58 2018
 Response via : Initial Calibration

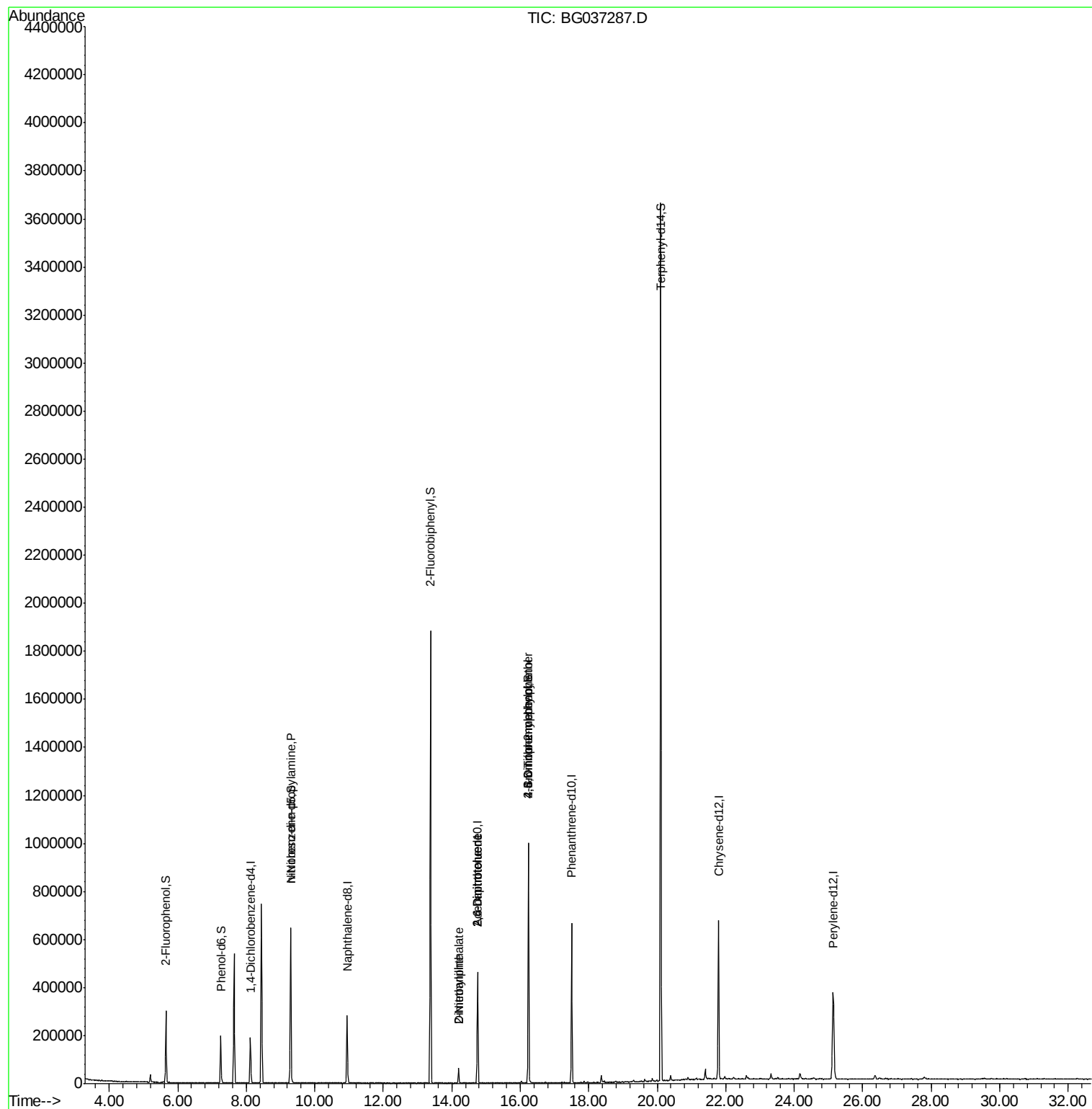
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	57805	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	241713	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	168929	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	420208	20.00	ng	0.00
76) Chrysene-d12	21.78	240	413459	20.00	ng	-0.01
87) Perylene-d12	25.13	264	414713	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.66	112	138578	42.19	ng	0.00
7) Phenol-d6	7.25	99	123625	24.80	ng	0.00
23) Nitrobenzene-d5	9.30	82	397667	108.16	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	171392	103.45	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	1027976	91.39	ng	0.00
79) Terphenyl-d14	20.10	244	1714912	87.09	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.29	70	50947	13.498	ng	# 72
48) 2-Nitroaniline	14.20	65	346	5.862	ng	# 1
50) Dimethylphthalate	14.20	163	41977	3.162	ng	# 98
51) 2,6-Dinitrotoluene	14.75	165	21579	12.340	ng	# 25
57) 2,4-Dinitrotoluene	14.75	165	21579	11.209	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.24	198	605	6.349	ng	# 71
67) 4-Bromophenyl-phenylether	16.24	248	12331	2.719	ng	# 1

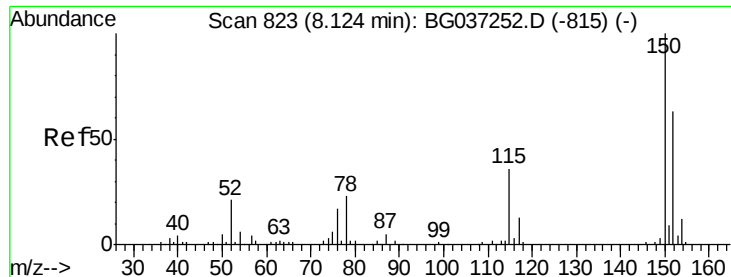
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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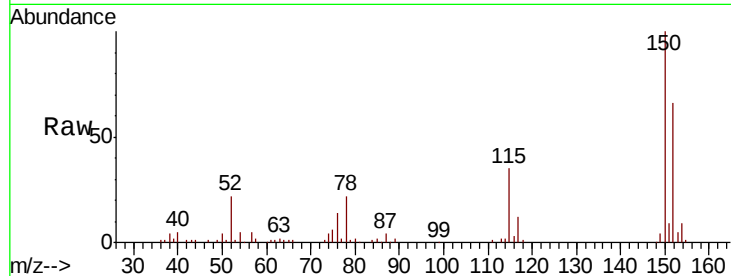


#1

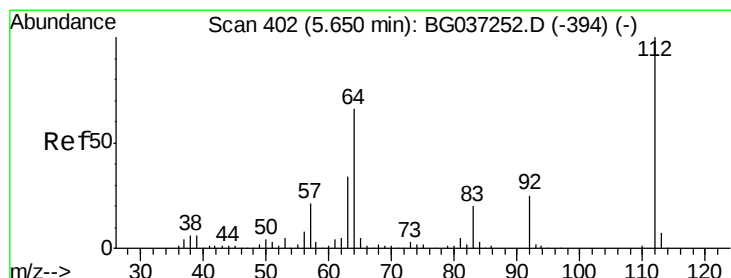
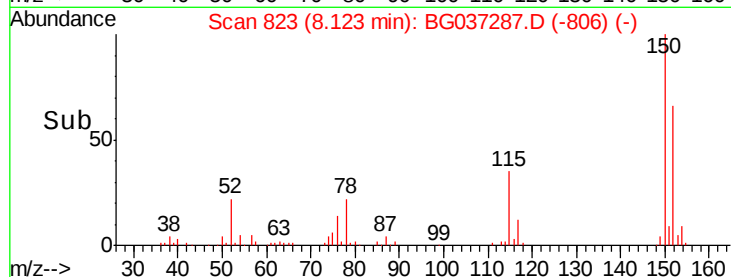
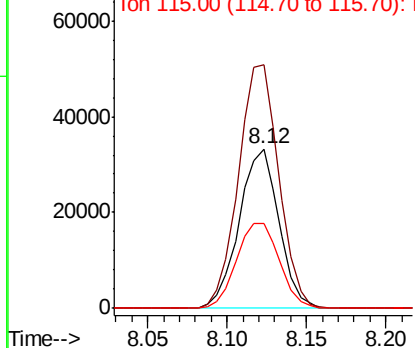
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 823
Delta R.T. -0.00 min
Lab File: BG037287.D
Acq: 12 Oct 2018 11:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 57805
Ion Ratio Lower Upper
152 100
150 152.5 126.0 189.0
115 53.1 45.5 68.3



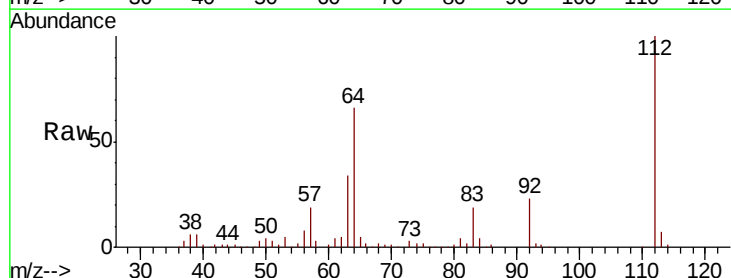
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



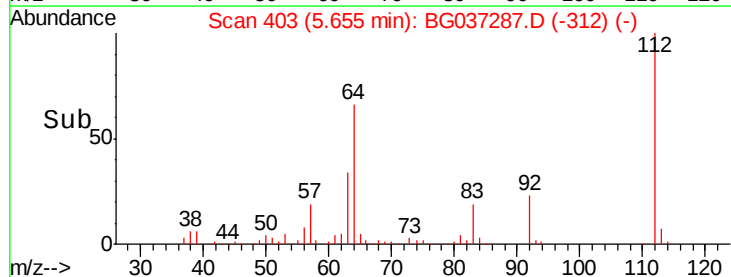
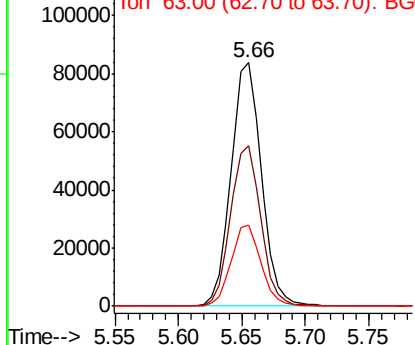
#5

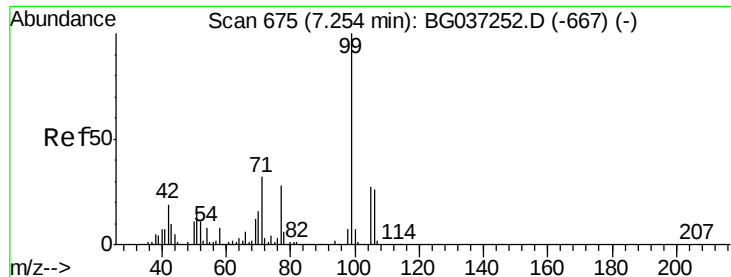
2-Fluorophenol
Concen: 42.191 ng
RT: 5.66 min Scan# 403
Delta R.T. 0.01 min
Lab File: BG037287.D
Acq: 12 Oct 2018 11:40

Tgt Ion:112 Resp: 138578
Ion Ratio Lower Upper
112 100
64 65.7 53.1 79.7
63 33.5 27.3 40.9



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: 24.797 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG037287.D

Acq: 12 Oct 2018 11:40

Instrument :

BNA_G

ClientSampleId :

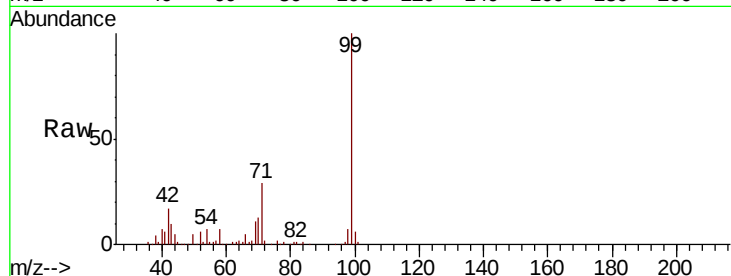
Tot Ion: 99 Resp: 123625

Ion Ratio Lower Upper

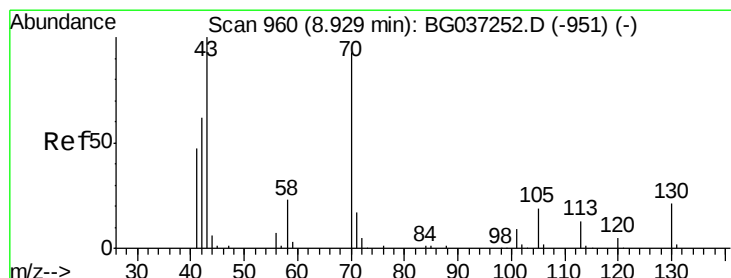
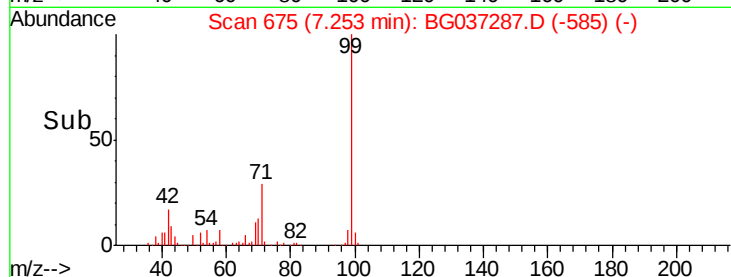
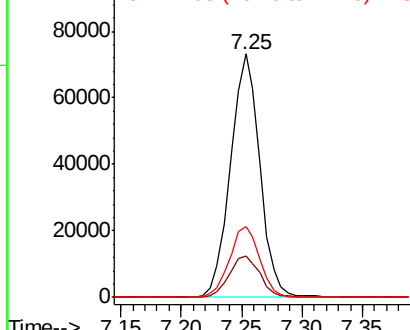
99 100

42 17.0 15.0 22.4

71 28.9 25.5 38.3



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: 13.498 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.36 min

Lab File: BG037287.D

Acq: 12 Oct 2018 11:40

Tgt Ion: 70 Resp: 50947

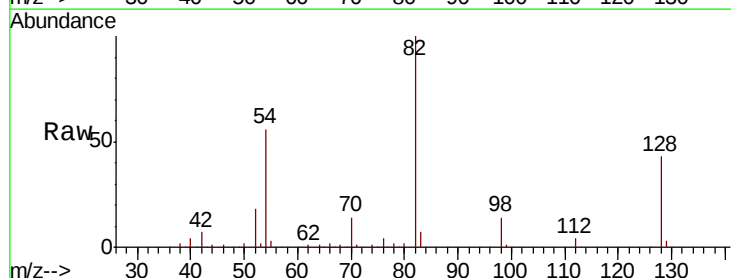
Ion Ratio Lower Upper

70 100

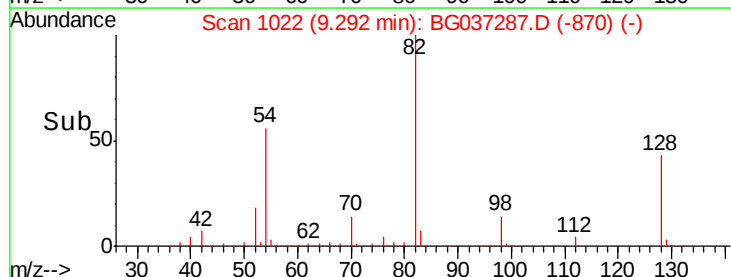
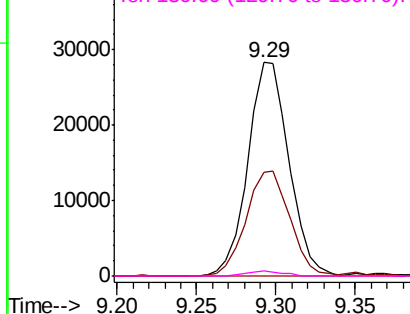
42 48.3 53.9 80.9#

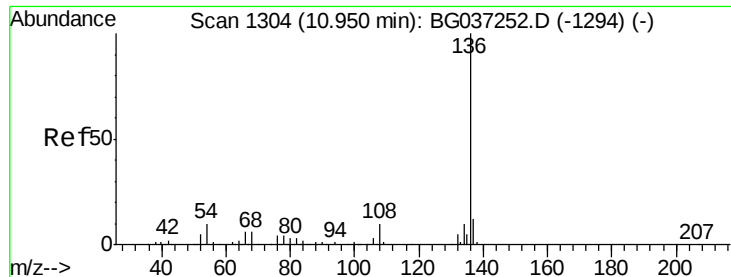
101 0.0 8.2 12.2#

130 2.3 18.2 27.4#



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

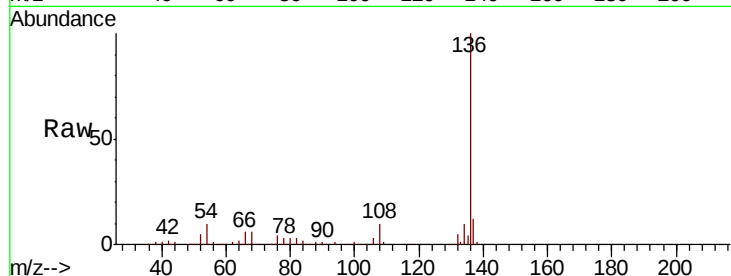




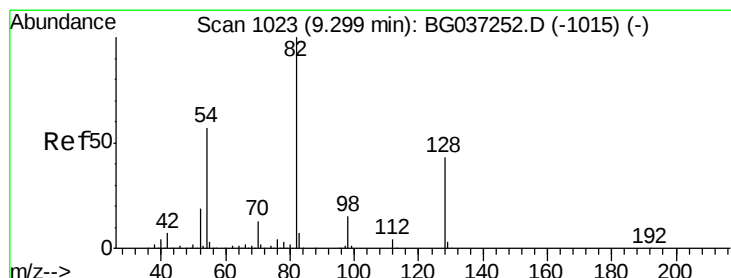
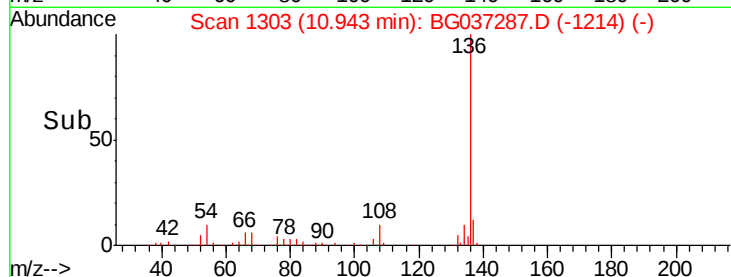
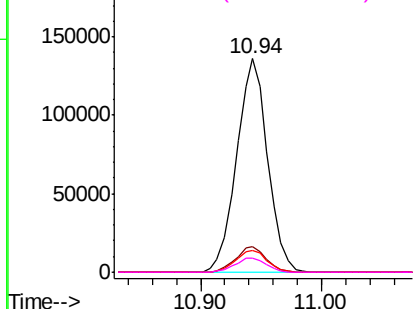
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BG037287.D
Acq: 12 Oct 2018 11:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	241713
Ion	Ratio	Lower Upper
136	100	
137	11.8	9.6 14.4
54	10.3	7.9 11.9
68	6.3	4.8 7.2

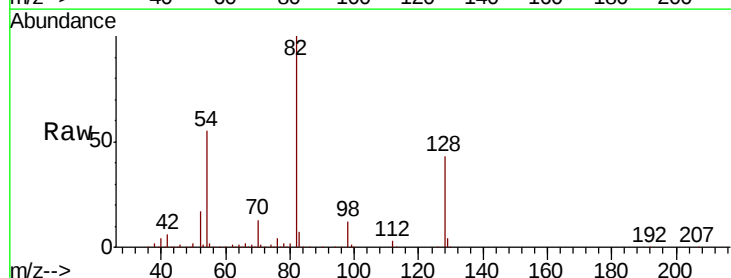


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

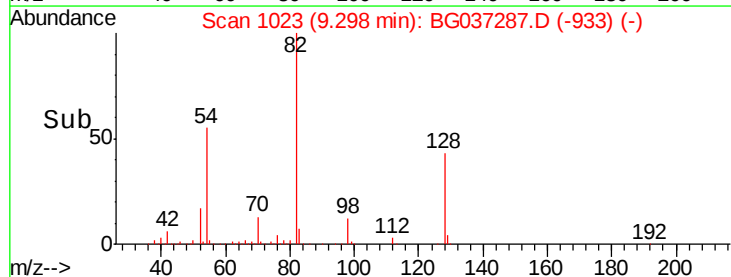
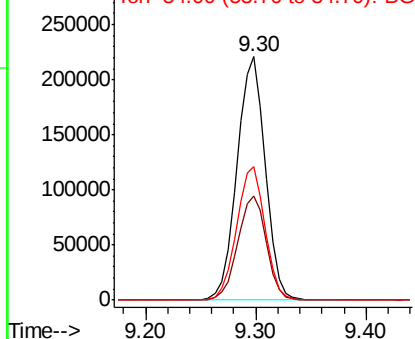


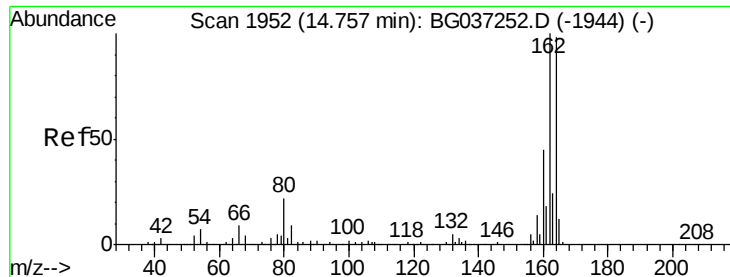
#23
Nitrobenzene-d5
Concen: 108.164 ng
RT: 9.30 min Scan# 1023
Delta R.T. -0.00 min
Lab File: BG037287.D
Acq: 12 Oct 2018 11:40

Tgt Ion: 82	Resp:	397667
Ion	Ratio	Lower Upper
82	100	
128	42.8	34.6 51.8
54	55.1	45.3 67.9



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.75 min Scan# 1951

Delta R.T. -0.01 min

Lab File: BG037287.D

Acq: 12 Oct 2018 11:40

Instrument :

BNA_G

ClientSampleId :

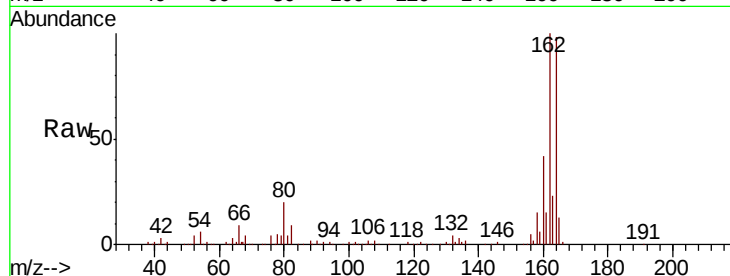
Tot Ion:164 Resp: 168929

Ion Ratio Lower Upper

164 100

162 101.5 81.3 121.9

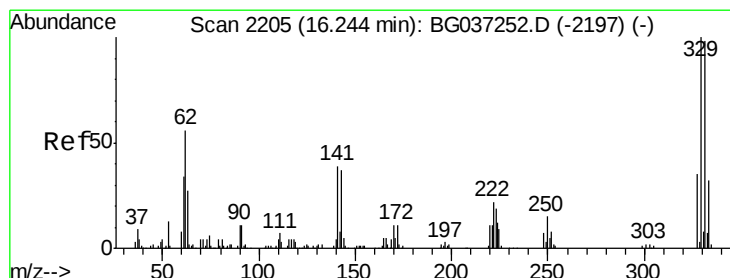
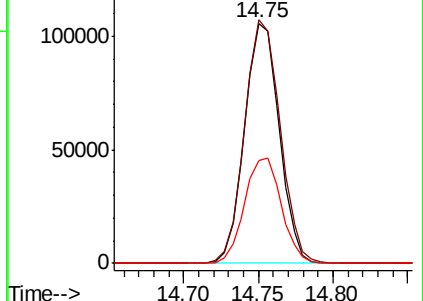
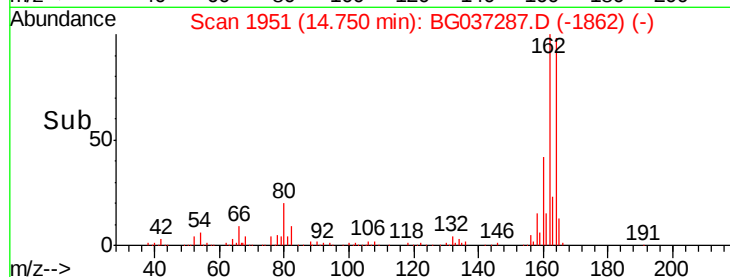
160 42.6 36.3 54.5



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: 103.453 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG037287.D

Acq: 12 Oct 2018 11:40

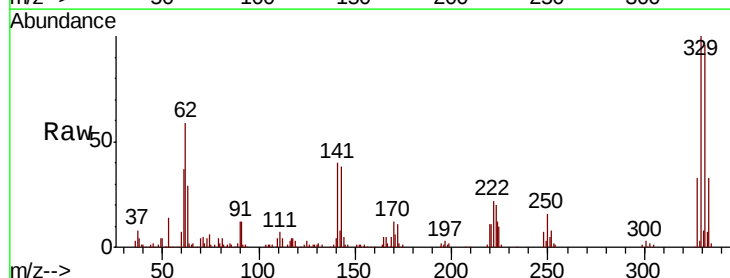
Tgt Ion:330 Resp: 171392

Ion Ratio Lower Upper

330 100

332 97.3 78.4 117.6

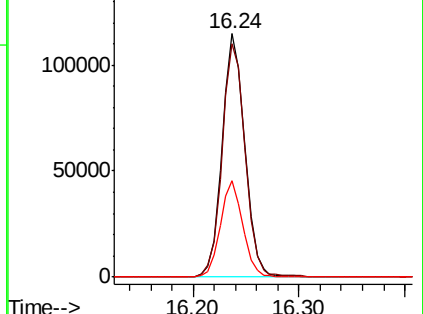
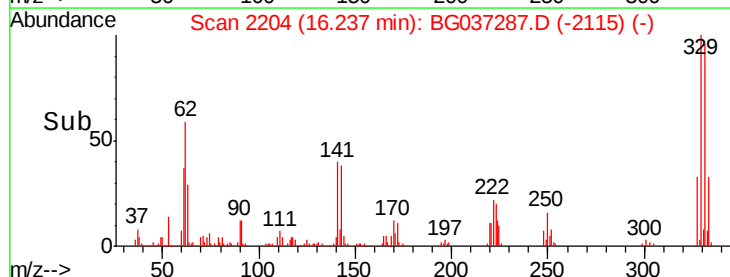
141 39.1 32.2 48.2

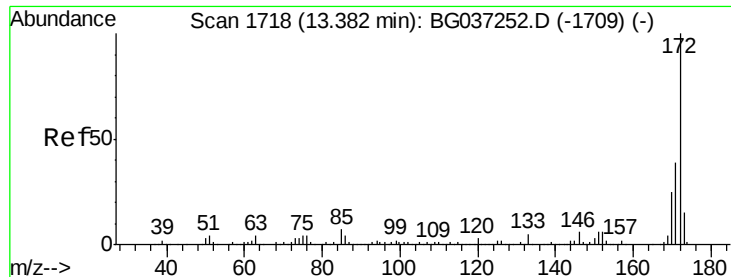


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

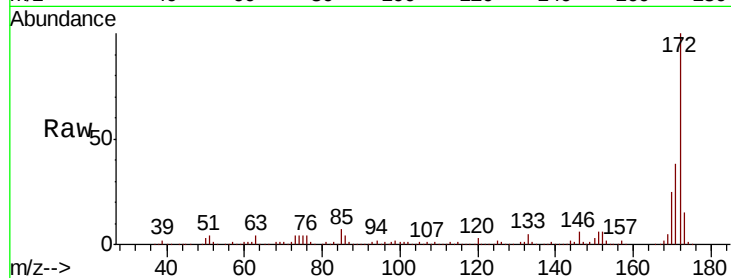




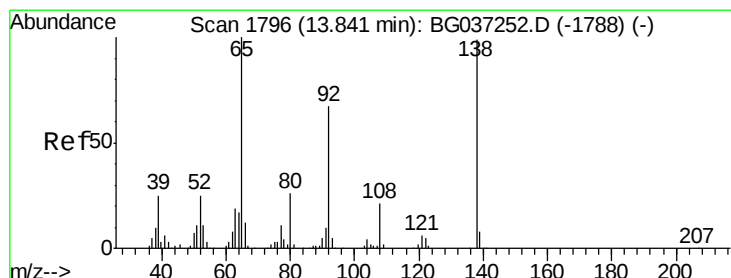
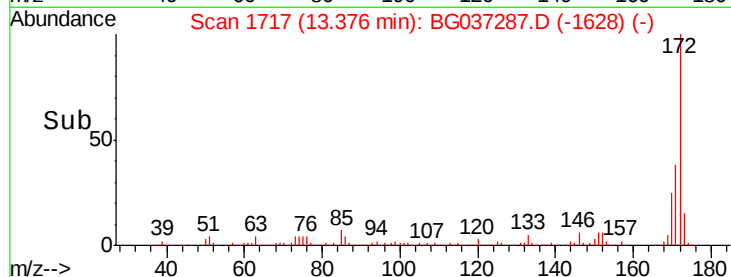
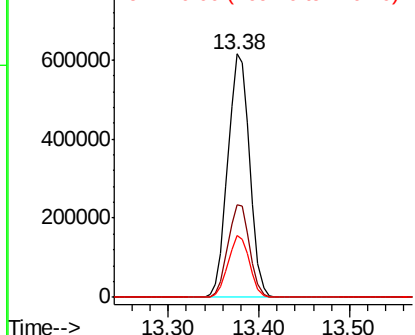
#45
2-Fluorobiphenyl
Concen: 91.386 ng
RT: 13.38 min Scan# 1717
Delta R.T. -0.01 min
Lab File: BG037287.D
Acq: 12 Oct 2018 11:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:172 Resp: 1027976
Ion Ratio Lower Upper
172 100
171 38.2 31.0 46.4
170 25.4 20.2 30.2

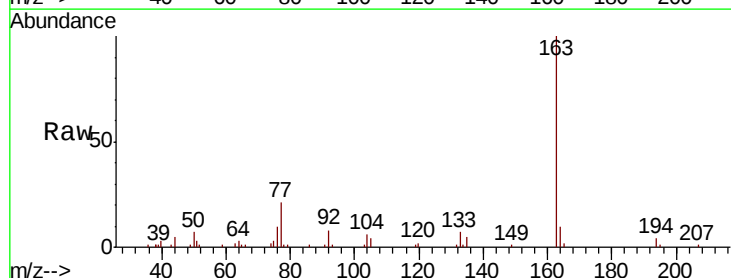


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

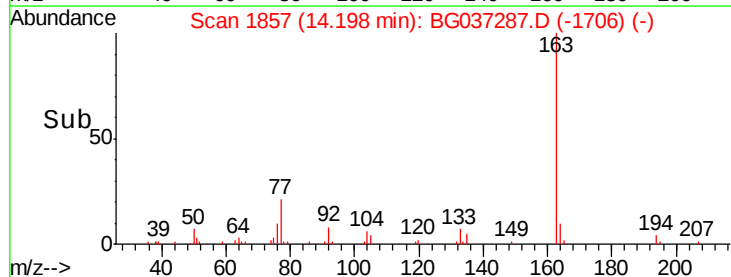
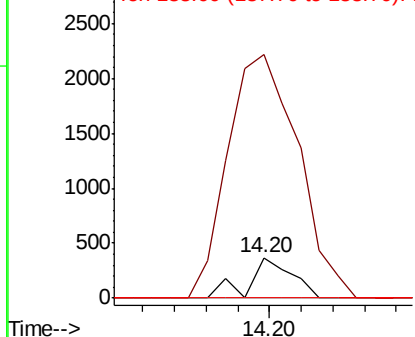


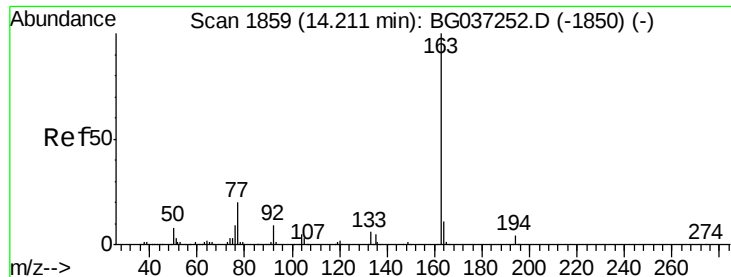
#48
2-Nitroaniline
Concen: 5.862 ng
RT: 14.20 min Scan# 1857
Delta R.T. 0.36 min
Lab File: BG037287.D
Acq: 12 Oct 2018 11:40

Tgt Ion: 65 Resp: 346
Ion Ratio Lower Upper
65 100
92 599.2 53.2 79.8#
138 0.0 79.3 118.9#



Abundance Ion 65.00 (64.70 to 65.70): BGC
Ion 92.00 (91.70 to 92.70): BGC
Ion 138.00 (137.70 to 138.70): E





#50

Dimethylphthalate

Concen: 3.162 ng

RT: 14.20 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BG037287.D

Acq: 12 Oct 2018 11:40

Instrument :

BNA_G

ClientSampleId :

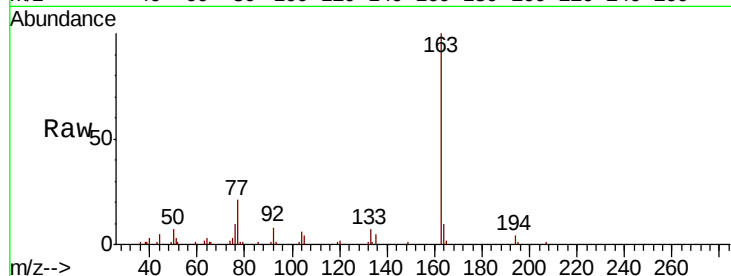
Tot Ion:163 Resp: 41977

Ion Ratio Lower Upper

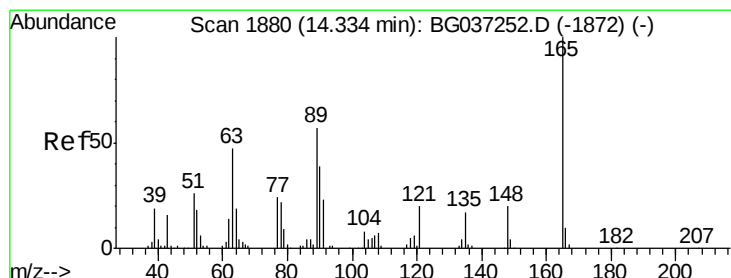
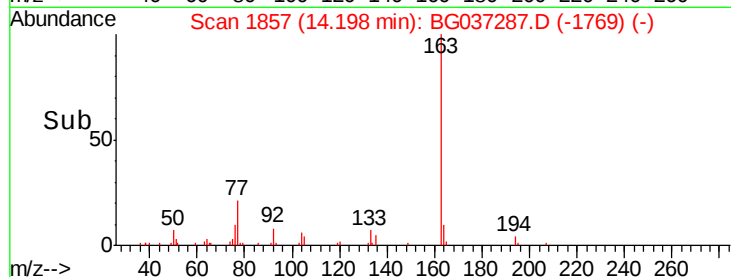
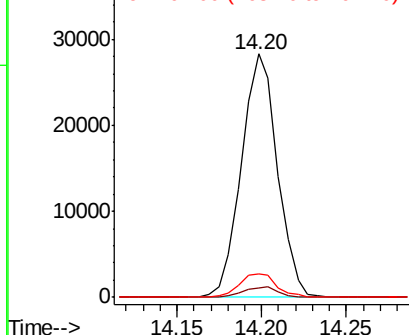
163 100

194 4.0 3.5 5.3

164 9.8 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E



#51

2,6-Dinitrotoluene

Concen: 12.340 ng

RT: 14.75 min Scan# 1951

Delta R.T. 0.42 min

Lab File: BG037287.D

Acq: 12 Oct 2018 11:40

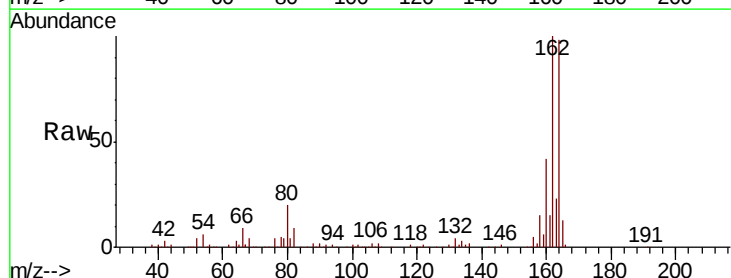
Tgt Ion:165 Resp: 21579

Ion Ratio Lower Upper

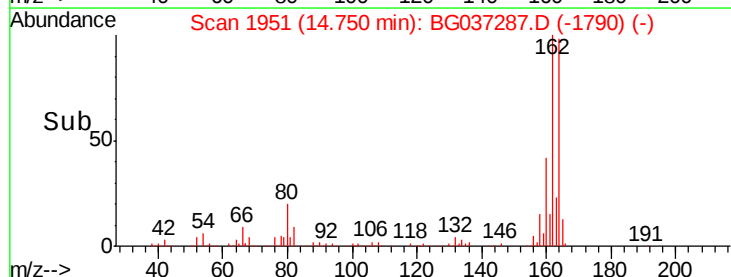
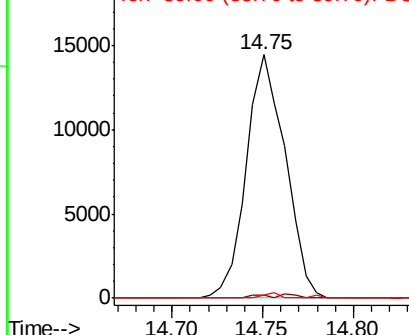
165 100

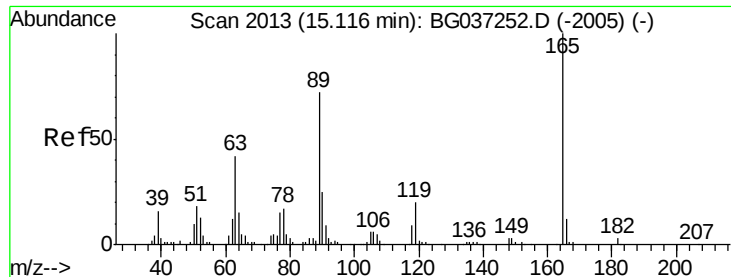
63 1.2 43.4 65.2#

89 1.1 45.8 68.6#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BG
Ion 89.00 (88.70 to 89.70): BG

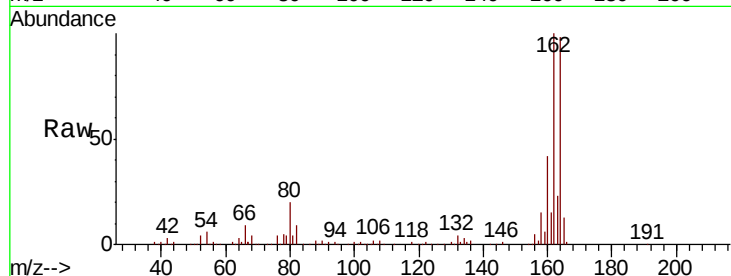




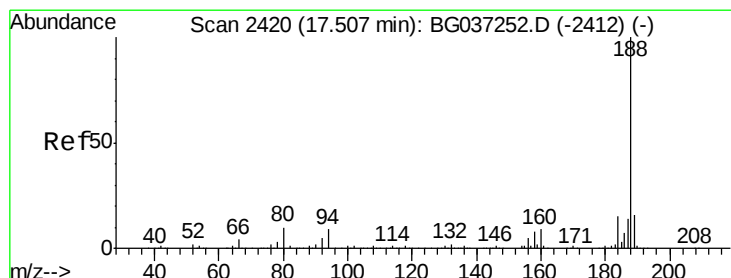
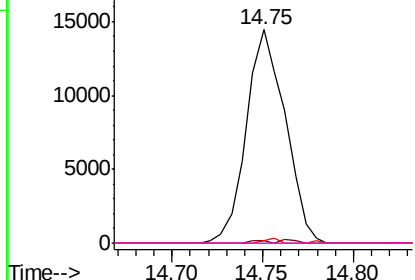
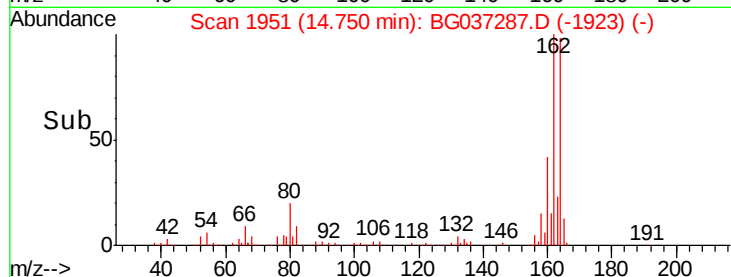
#57
2,4-Dinitrotoluene
Concen: 11.209 ng
RT: 14.75 min Scan# 1951
Delta R.T. -0.36 min
Lab File: BG037287.D
Acq: 12 Oct 2018 11:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 21579
Ion Ratio Lower Upper
165 100
63 1.2 33.4 50.0#
89 1.1 57.2 85.8#
182 0.0 2.6 4.0#

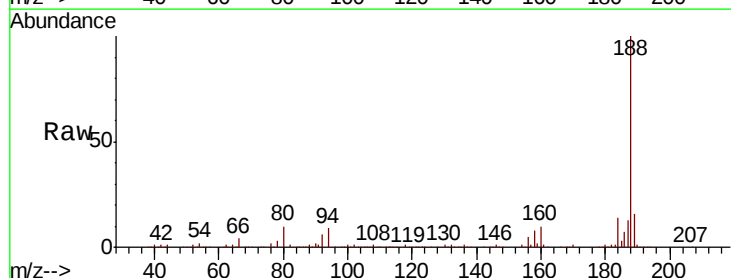


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

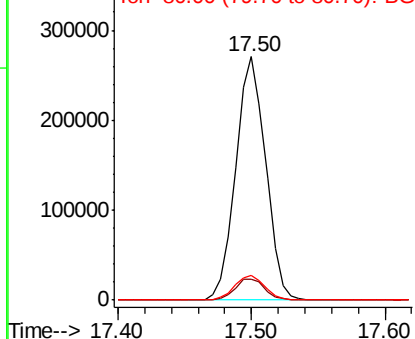
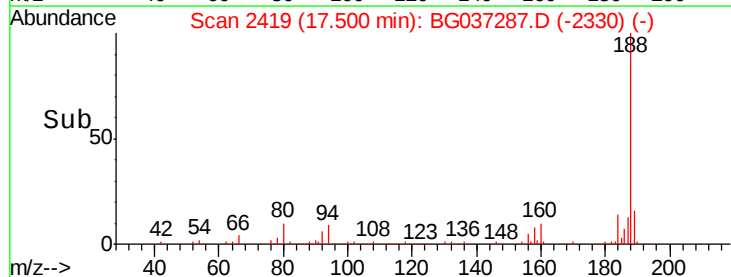


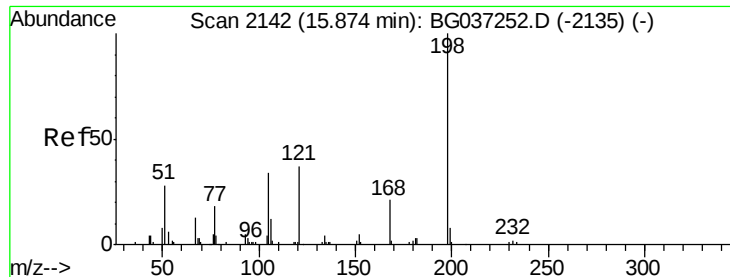
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.50 min Scan# 2419
Delta R.T. -0.01 min
Lab File: BG037287.D
Acq: 12 Oct 2018 11:40

Tgt Ion:188 Resp: 420208
Ion Ratio Lower Upper
188 100
94 8.5 7.2 10.8
80 10.0 7.7 11.5



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

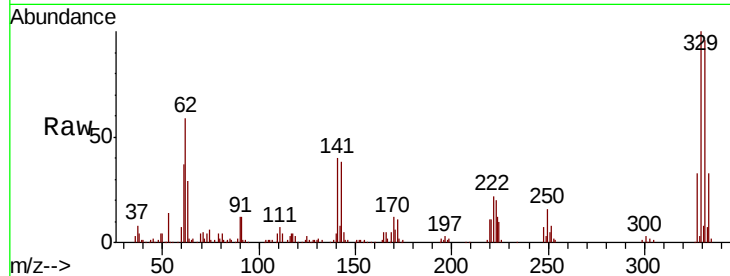




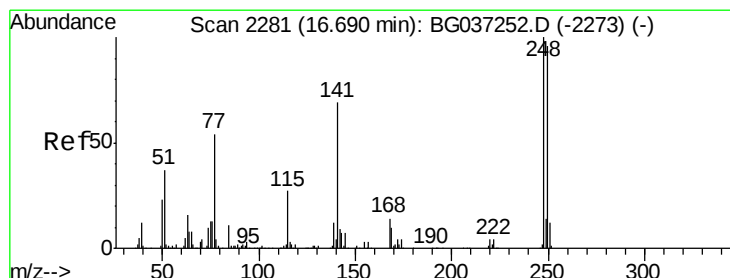
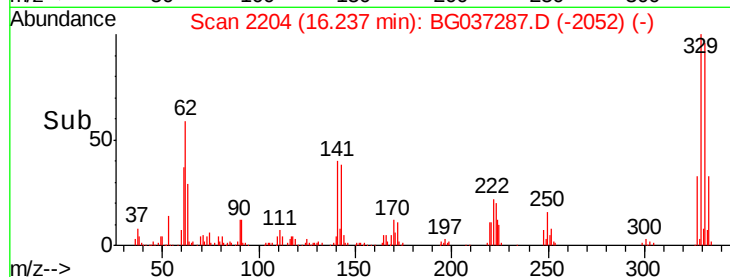
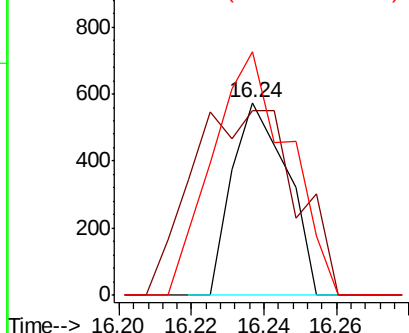
#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.349 ng
 RT: 16.24 min Scan# 2204
 Delta R.T. 0.36 min
 Lab File: BG037287.D
 Acq: 12 Oct 2018 11:40

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 605
 Ion Ratio Lower Upper
 198 100
 51 19.7 22.7 62.7#
 105 26.0 19.7 59.7

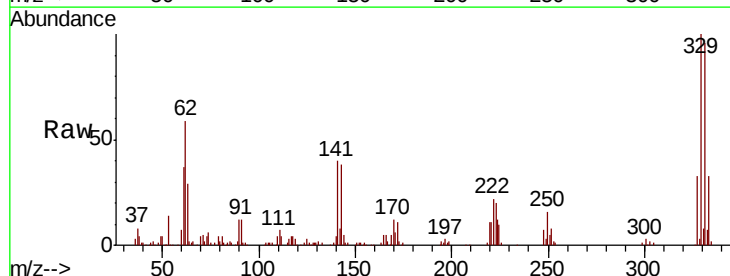


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

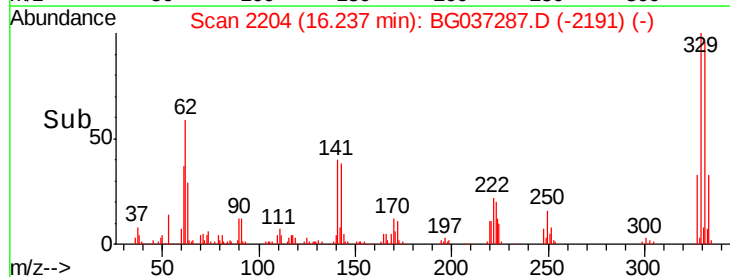
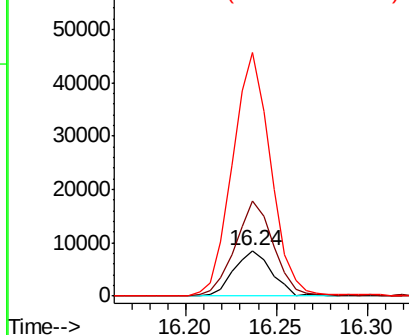


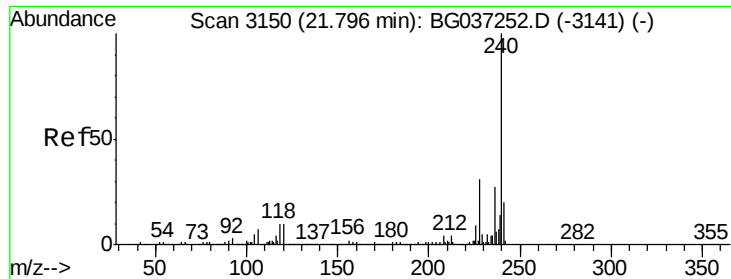
#67
 4-Bromophenyl-phenylether
 Concen: 2.719 ng
 RT: 16.24 min Scan# 2204
 Delta R.T. -0.45 min
 Lab File: BG037287.D
 Acq: 12 Oct 2018 11:40

Tgt Ion:248 Resp: 12331
 Ion Ratio Lower Upper
 248 100
 250 203.2 77.0 115.6#
 141 401.3 55.5 83.3#



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

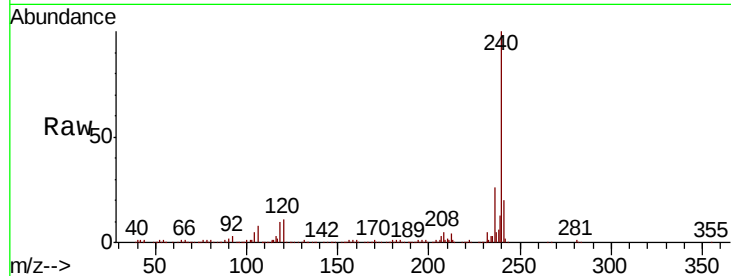




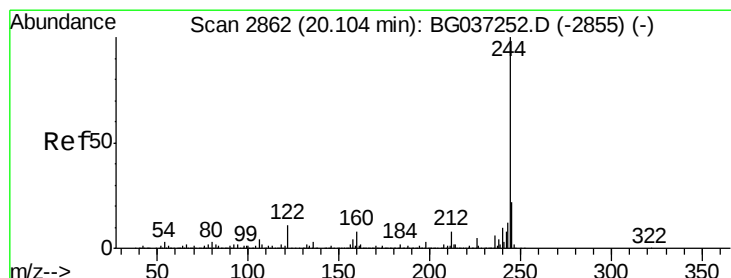
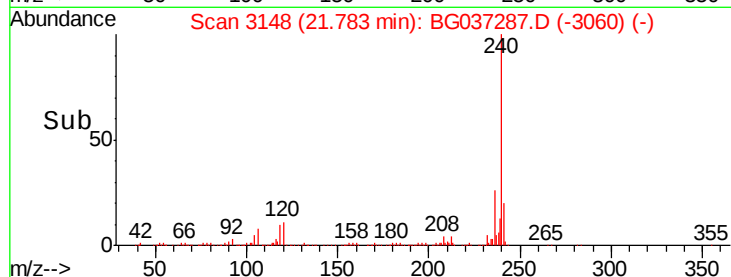
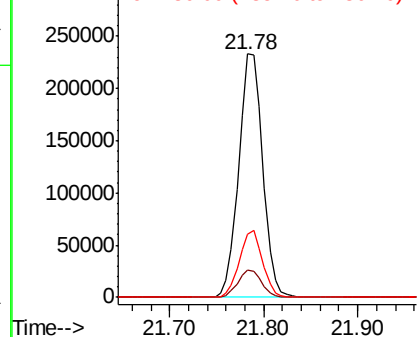
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.78 min Scan# 3148
Delta R.T. -0.01 min
Lab File: BG037287.D
Acq: 12 Oct 2018 11:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion:240 Resp: 413459
Ion Ratio Lower Upper
240 100
120 11.2 8.1 12.1
236 26.0 21.4 32.0

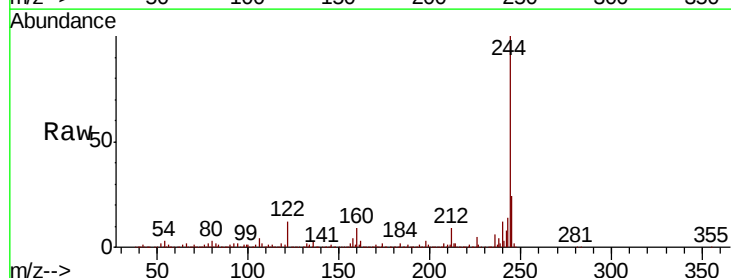


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

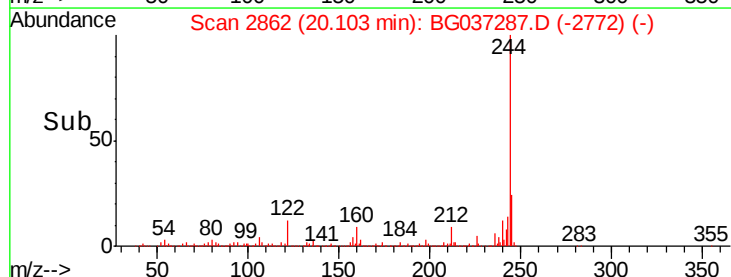
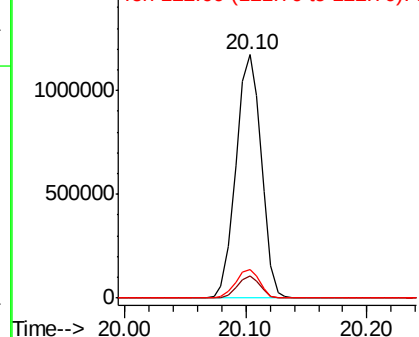


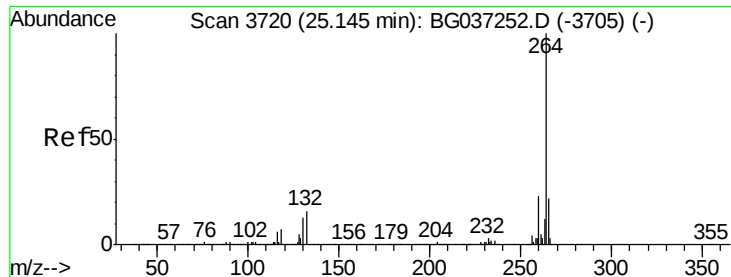
#79
Terphenyl-d14
Concen: 87.092 ng
RT: 20.10 min Scan# 2862
Delta R.T. -0.00 min
Lab File: BG037287.D
Acq: 12 Oct 2018 11:40

Tgt Ion:244 Resp: 1714912
Ion Ratio Lower Upper
244 100
212 9.0 6.5 9.7
122 12.0 9.0 13.4



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: 25.13 min Scan# 3718
Delta R.T. -0.01 min
Lab File: BG037287.D
Acq: 12 Oct 2018 11:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.0	18.2	27.4
265	22.0	17.9	26.9

