

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101218\
 Data File : BG037294.D
 Acq On : 12 Oct 2018 17:01
 Operator : JU/SJ
 Sample : PB113784BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 12 18:37:55 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	49254	20.00	ng	0.00
21) Naphthalene-d8	10.94	136	203002	20.00	ng	0.00
39) Acenaphthene-d10	14.75	164	138815	20.00	ng	0.00
64) Phenanthrene-d10	17.50	188	378564	20.00	ng	-0.01
76) Chrysene-d12	21.78	240	380734	20.00	ng	-0.01
87) Perylene-d12	25.13	264	375547	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.66	112	361334	129.11	ng	0.00
7) Phenol-d6	7.25	99	510516	120.18	ng	0.00
23) Nitrobenzene-d5	9.29	82	278910	90.33	ng	0.00
42) 2,4,6-Tribromophenol	16.24	330	188160	138.21	ng	0.00
45) 2-Fluorobiphenyl	13.38	172	722050	78.11	ng	0.00
79) Terphenyl-d14	20.10	244	1341614	73.99	ng	0.00

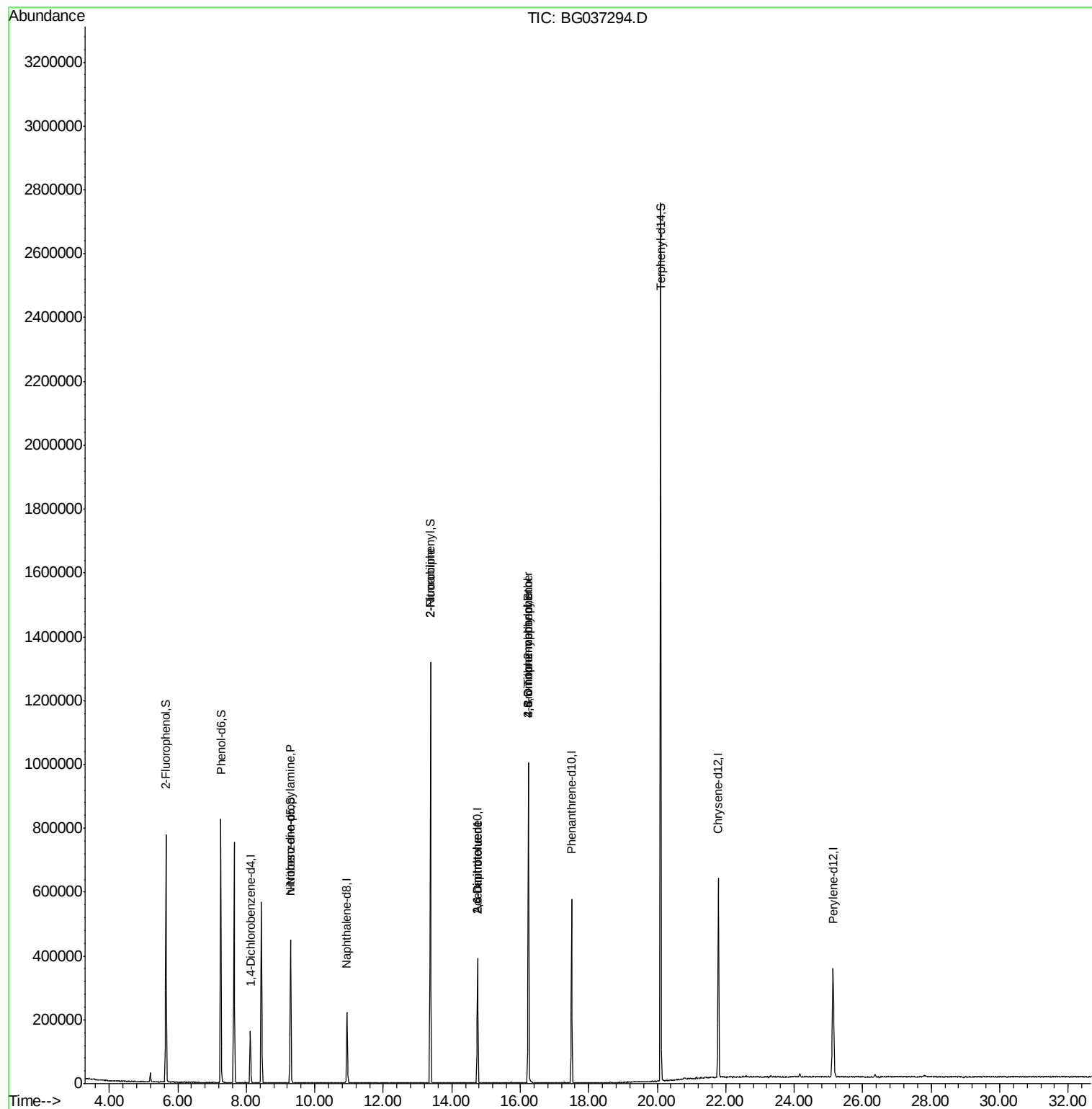
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	9.29	70	35072	10.905	ng	# 74
48) 2-Nitroaniline	13.38	65	1248	6.225	ng	# 1
51) 2,6-Dinitrotoluene	14.75	165	18002	12.455	ng	# 27
57) 2,4-Dinitrotoluene	14.75	165	18002	11.299	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.23	198	482	6.302	ng	88
67) 4-Bromophenyl-phenylether	16.24	248	13385	3.276	ng	# 1

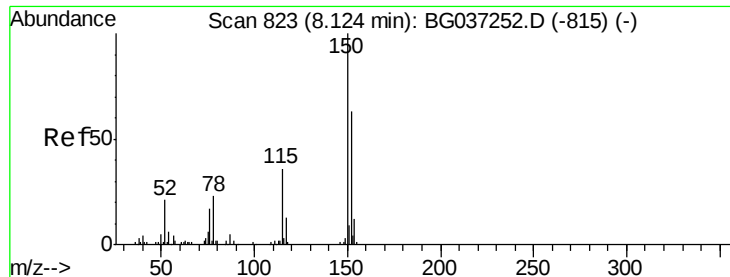
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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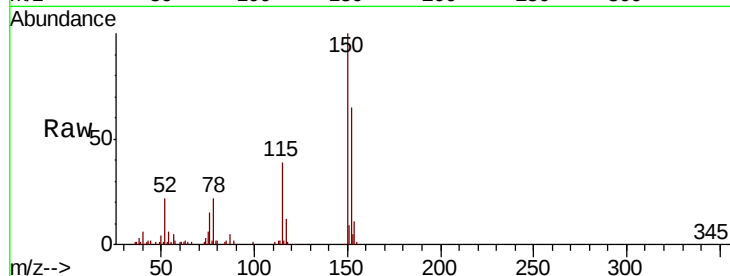


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 822
Delta R.T. -0.01 min
Lab File: BG037294.D
Acq: 12 Oct 2018 17:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.8	126.0	189.0
115	59.8	45.5	68.3

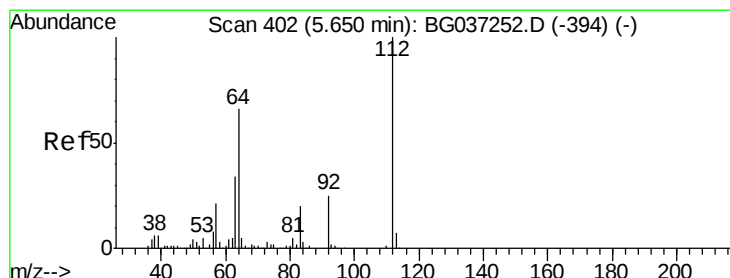
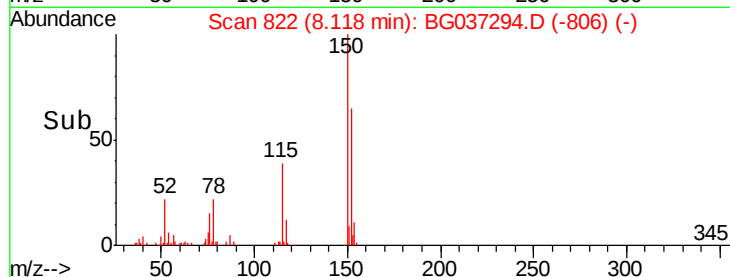
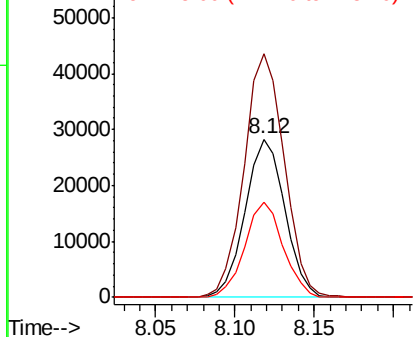


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

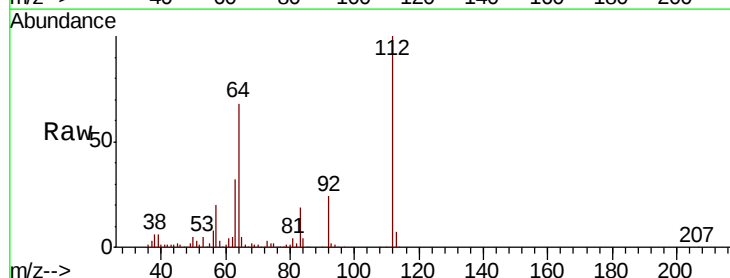
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 129.109 ng
RT: 5.66 min Scan# 403
Delta R.T. 0.01 min
Lab File: BG037294.D
Acq: 12 Oct 2018 17:01

Tgt Ion	Ratio	Lower	Upper
112	100		
64	67.5	53.1	79.7
63	32.4	27.3	40.9

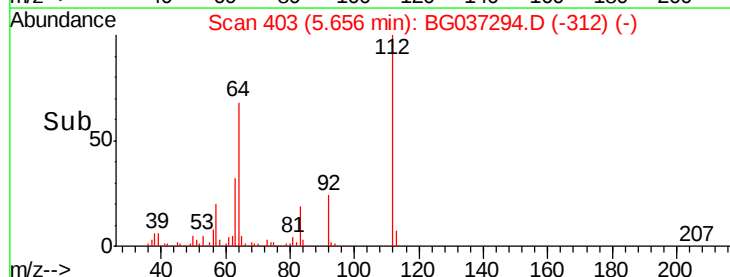
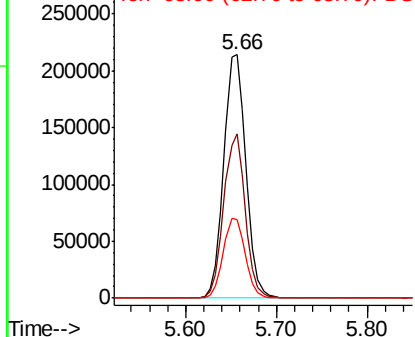


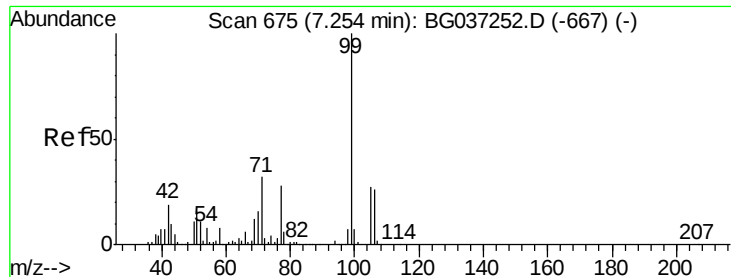
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 120.180 ng

RT: 7.25 min Scan# 675

Delta R.T. -0.00 min

Lab File: BG037294.D

Acq: 12 Oct 2018 17:01

Instrument :

BNA_G

ClientSampleId :

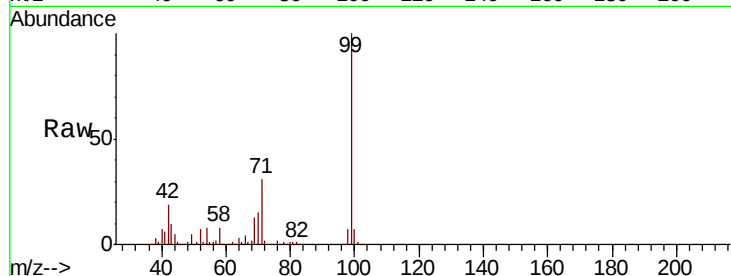
Tot Ion: 99 Resp: 510516

Ion Ratio Lower Upper

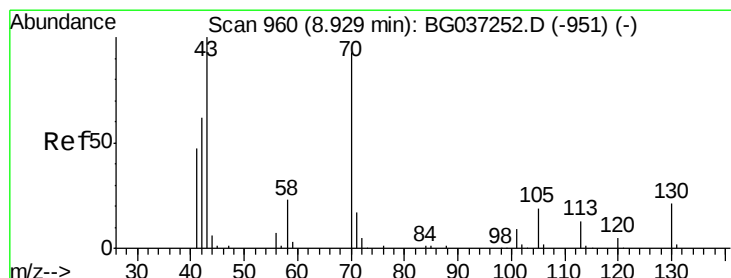
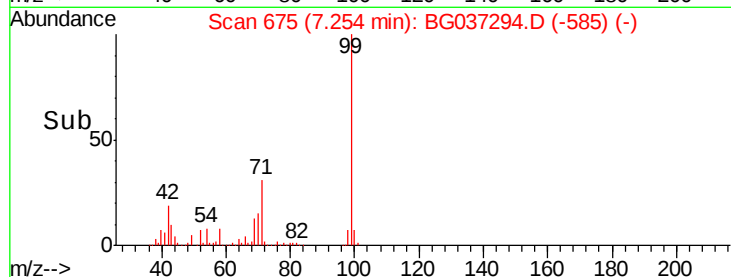
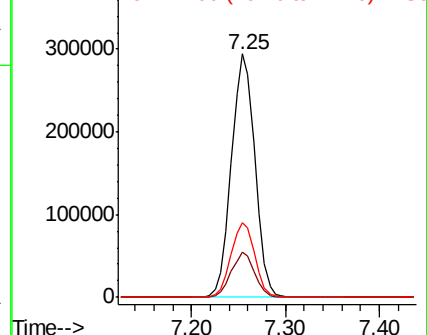
99 100

42 18.7 15.0 22.4

71 30.7 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: 10.905 ng

RT: 9.29 min Scan# 1022

Delta R.T. 0.36 min

Lab File: BG037294.D

Acq: 12 Oct 2018 17:01

Tgt Ion: 70 Resp: 35072

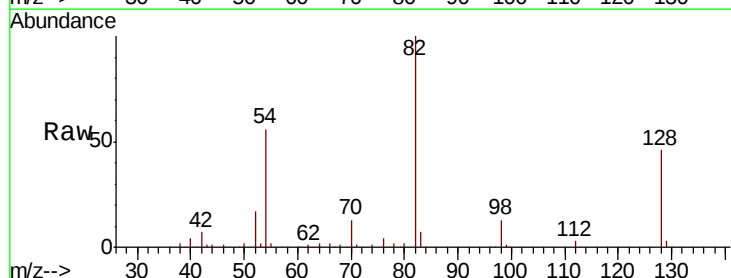
Ion Ratio Lower Upper

70 100

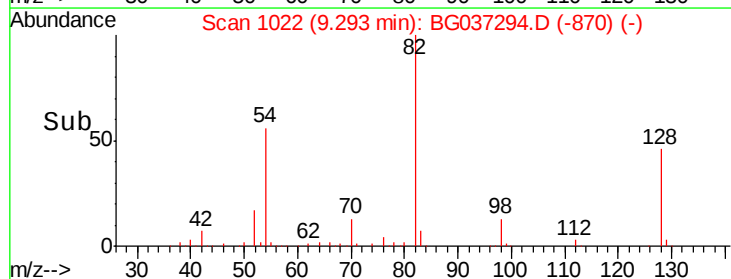
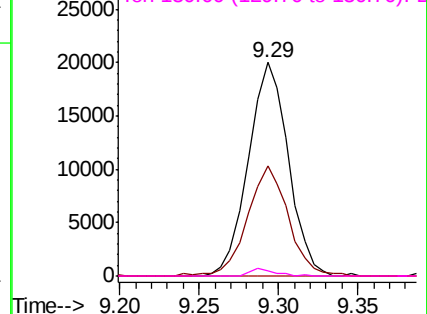
42 51.8 53.9 80.9#

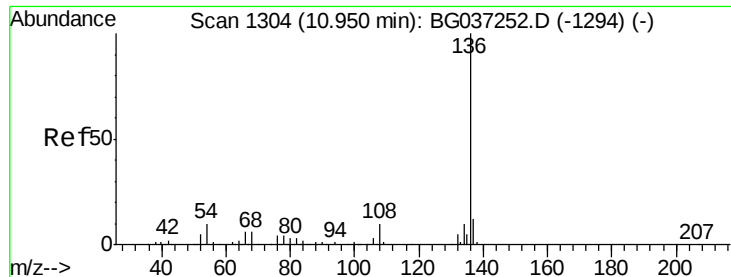
101 0.0 8.2 12.2#

130 2.2 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

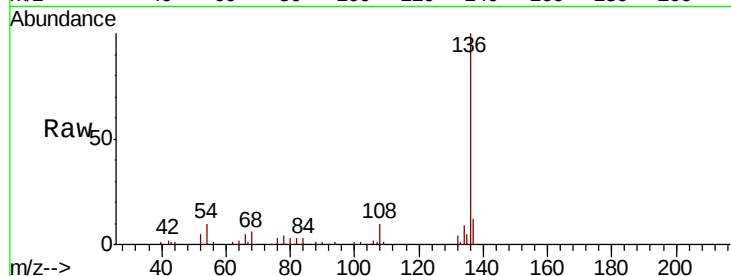




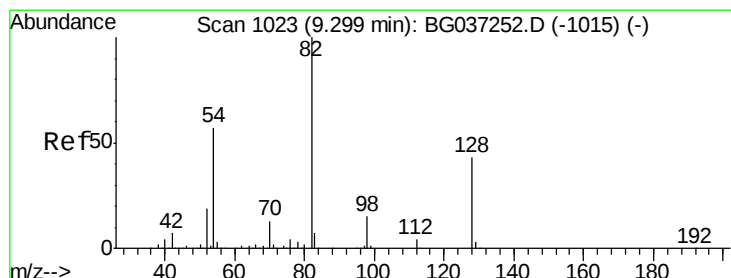
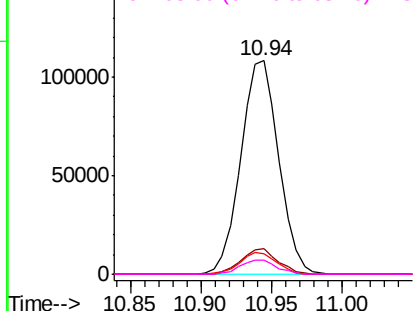
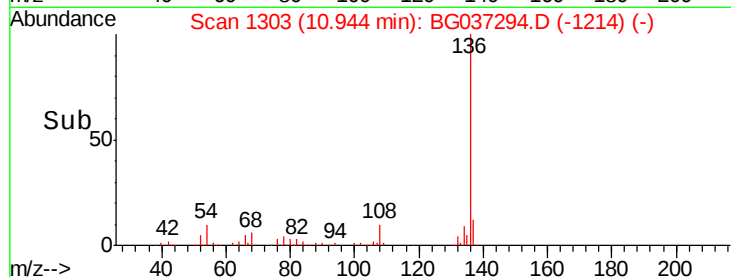
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.94 min Scan# 1303
Delta R.T. -0.01 min
Lab File: BG037294.D
Acq: 12 Oct 2018 17:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	203002
Ion Ratio	Lower	Upper
136 100		
137 12.1	9.6	14.4
54 9.8	7.9	11.9
68 6.5	4.8	7.2

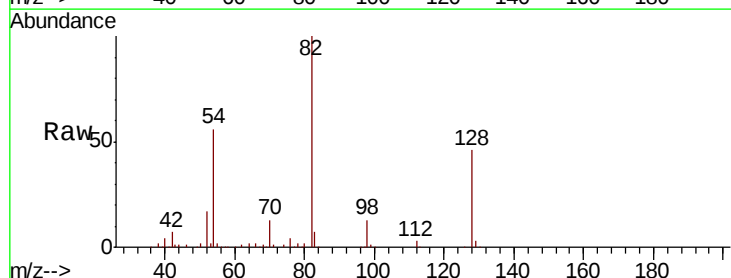


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

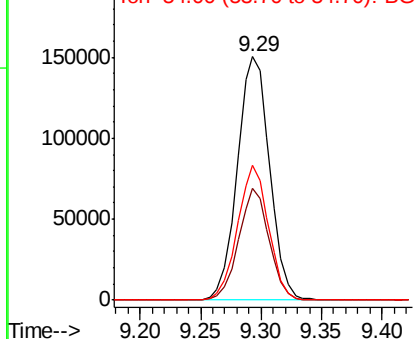
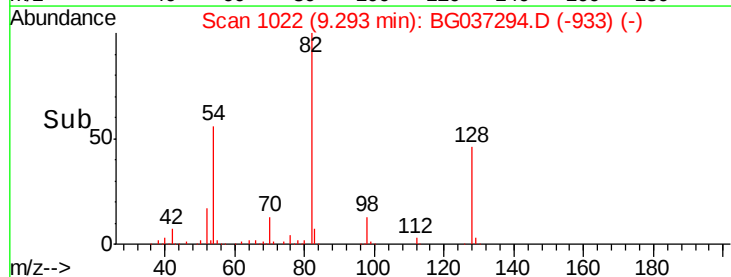


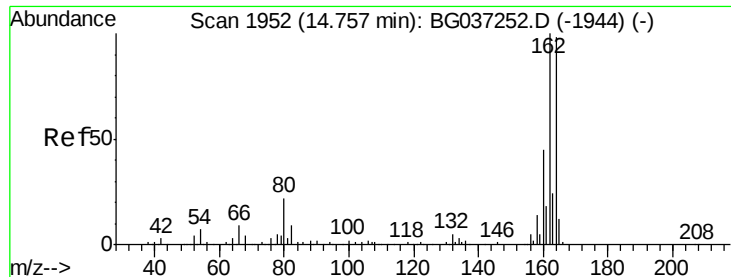
#23
Nitrobenzene-d5
Concen: 90.329 ng
RT: 9.29 min Scan# 1022
Delta R.T. -0.01 min
Lab File: BG037294.D
Acq: 12 Oct 2018 17:01

Tgt Ion: 82	Resp: 278910
Ion Ratio	Lower Upper
82 100	
128 46.1	34.6 51.8
54 55.5	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: BG037294.D

Acq: 12 Oct 2018 17:01

Instrument :

BNA_G

ClientSampleId :

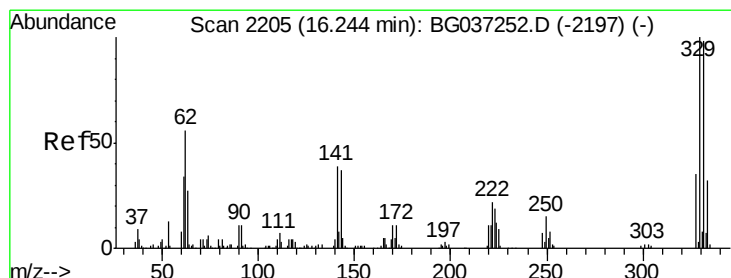
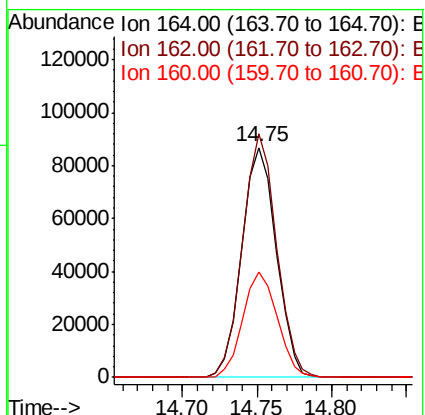
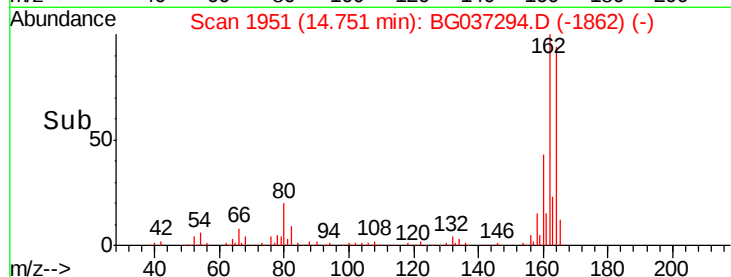
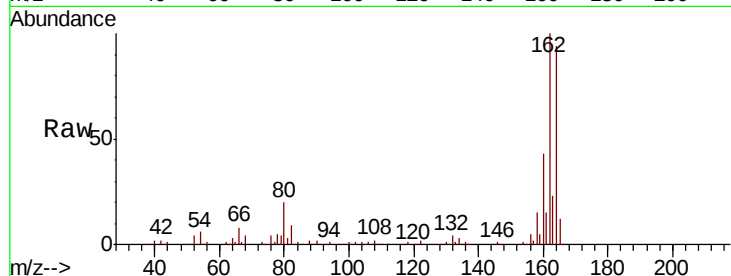
Tot Ion:164 Resp: 138815

Ion Ratio Lower Upper

164 100

162 106.0 81.3 121.9

160 45.8 36.3 54.5



#42

2,4,6-Tribromophenol

Concen: 138.212 ng

RT: 16.24 min Scan# 2204

Delta R.T. -0.01 min

Lab File: BG037294.D

Acq: 12 Oct 2018 17:01

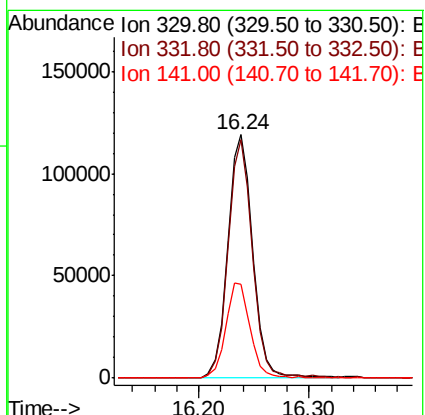
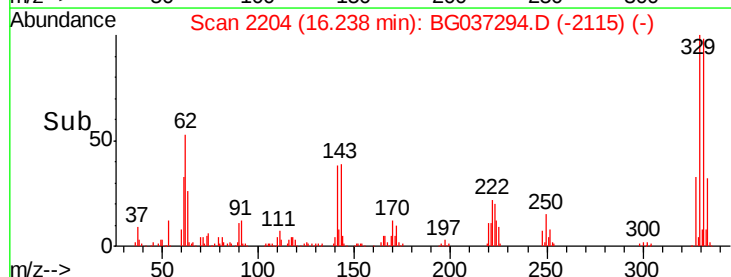
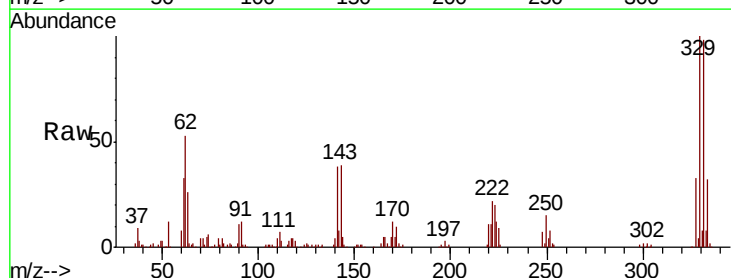
Tgt Ion:330 Resp: 188160

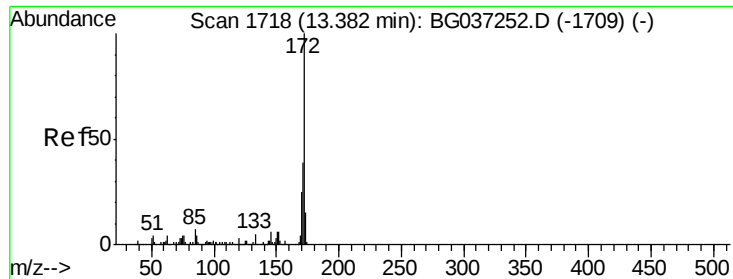
Ion Ratio Lower Upper

330 100

332 96.2 78.4 117.6

141 38.5 32.2 48.2

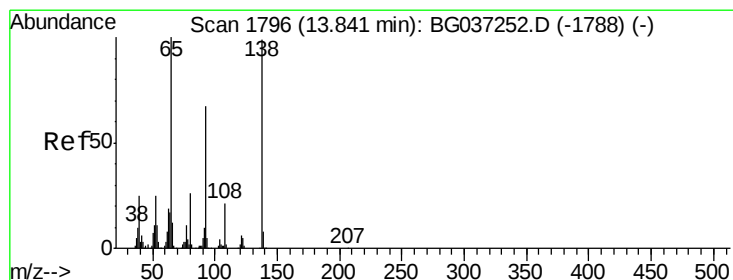
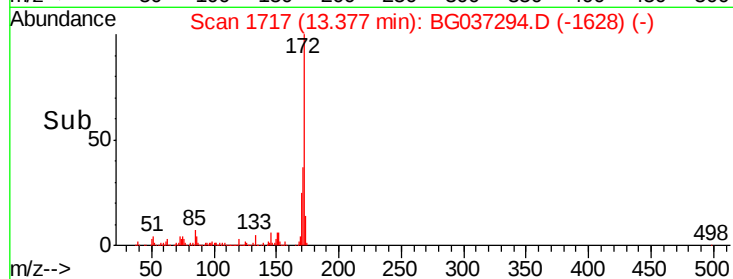
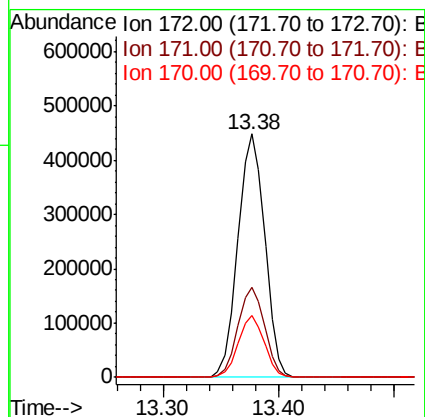
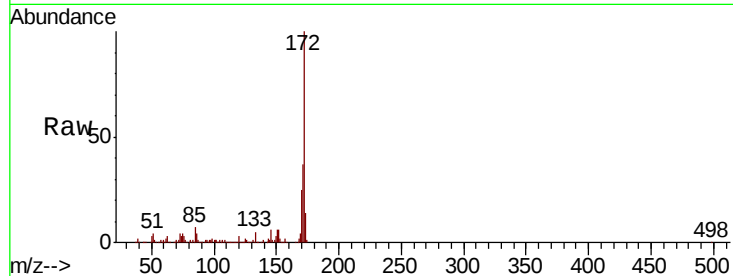




#45
2-Fluorobiphenyl
Concen: 78.115 ng
RT: 13.38 min Scan# 1717
Delta R.T. -0.01 min
Lab File: BG037294.D
Acq: 12 Oct 2018 17:01

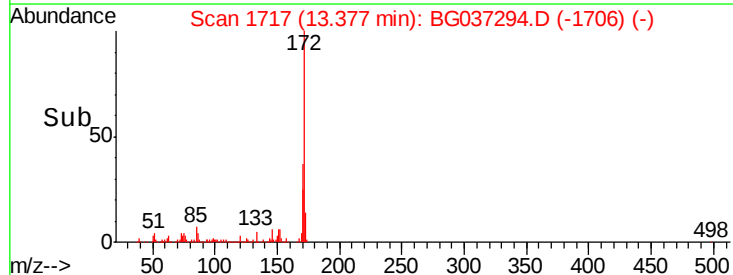
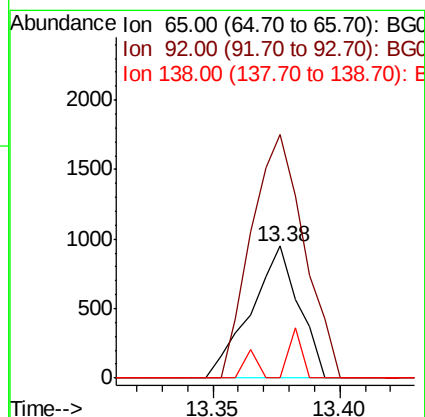
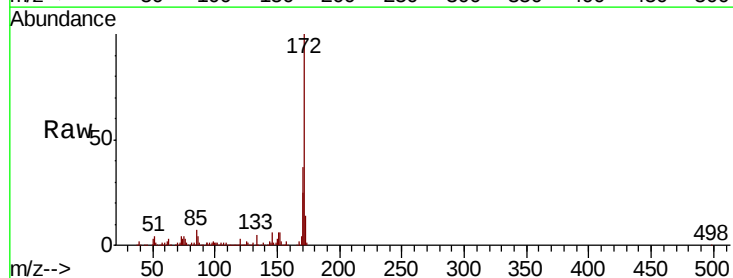
Instrument :
BNA_G
ClientSampleId :

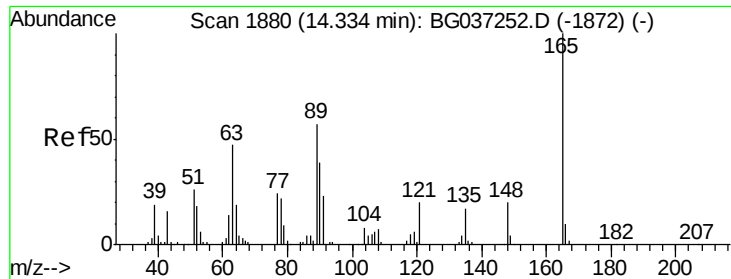
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.9	31.0	46.4
170	25.3	20.2	30.2



#48
2-Nitroaniline
Concen: 6.225 ng
RT: 13.38 min Scan# 1717
Delta R.T. -0.46 min
Lab File: BG037294.D
Acq: 12 Oct 2018 17:01

Tgt Ion	Ratio	Lower	Upper
65	100		
92	184.8	53.2	79.8#
138	0.0	79.3	118.9#





#51

2,6-Dinitrotoluene

Concen: 12.455 ng

RT: 14.75 min Scan# 1951

Delta R.T. 0.42 min

Lab File: BG037294.D

Acq: 12 Oct 2018 17:01

Instrument :

BNA_G

ClientSampleId :

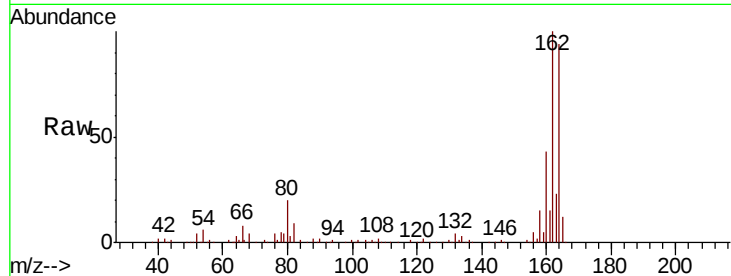
Tot Ion:165 Resp: 18002

Ion Ratio Lower Upper

165 100

63 3.4 43.4 65.2#

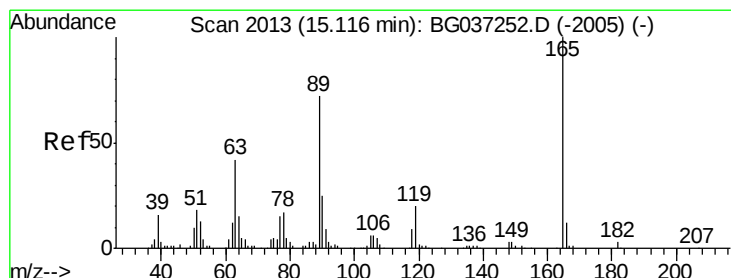
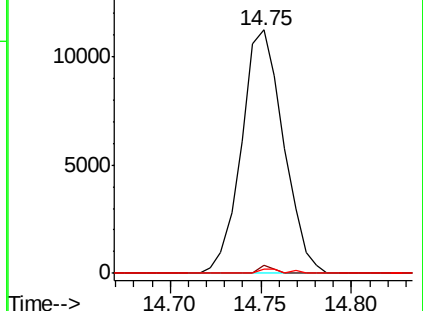
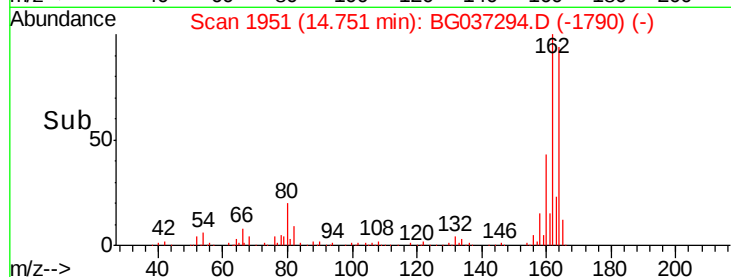
89 1.9 45.8 68.6#



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



#57

2,4-Dinitrotoluene

Concen: 11.299 ng

RT: 14.75 min Scan# 1951

Delta R.T. -0.36 min

Lab File: BG037294.D

Acq: 12 Oct 2018 17:01

Tgt Ion:165 Resp: 18002

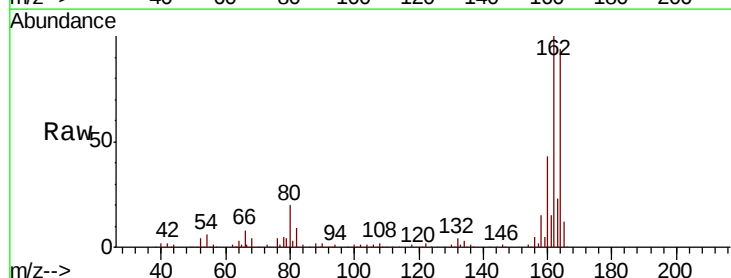
Ion Ratio Lower Upper

165 100

63 3.4 33.4 50.0#

89 1.9 57.2 85.8#

182 0.0 2.6 4.0#

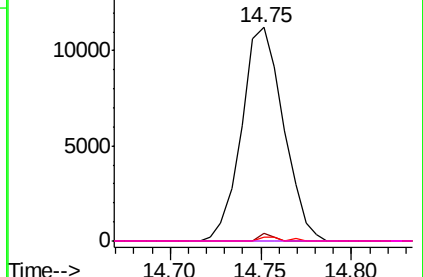
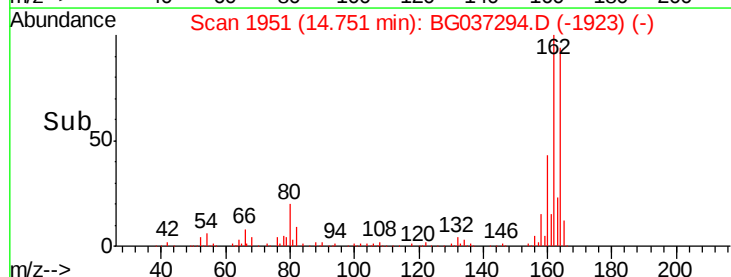


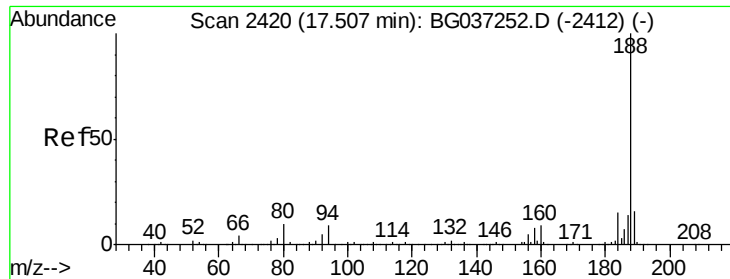
Abundance Ion 165.00 (164.70 to 165.70): E

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

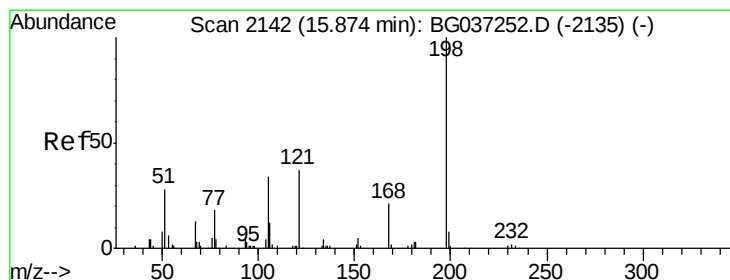
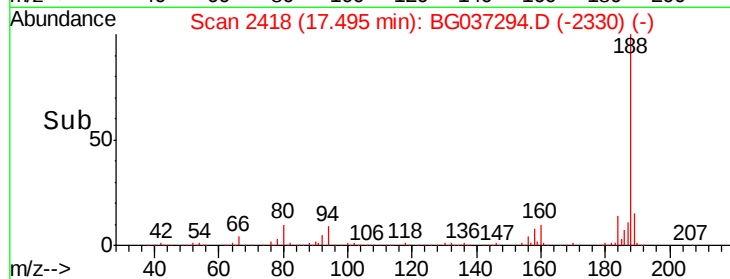
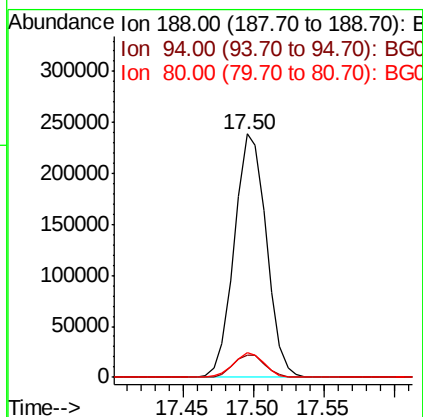
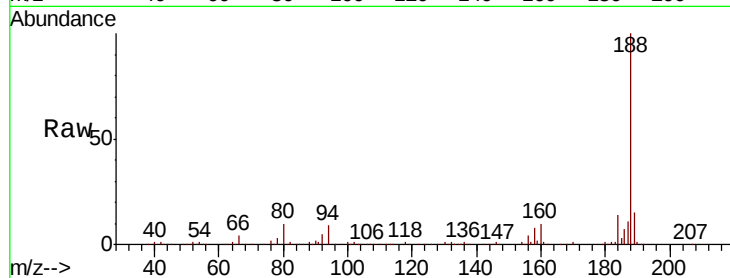




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.50 min Scan# 2418
 Delta R.T. -0.01 min
 Lab File: BG037294.D
 Acq: 12 Oct 2018 17:01

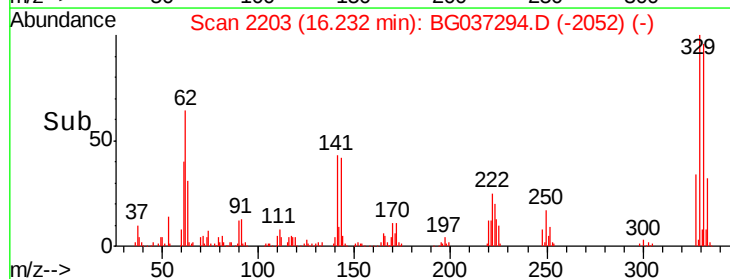
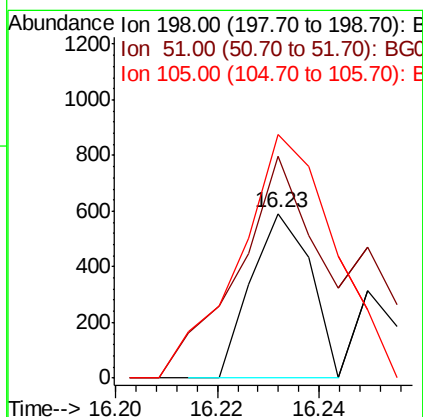
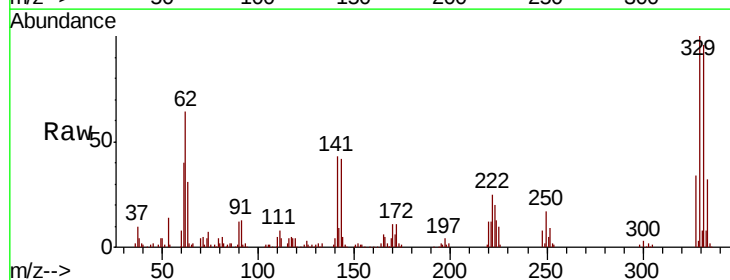
Instrument :
 BNA_G
 ClientSampleId :

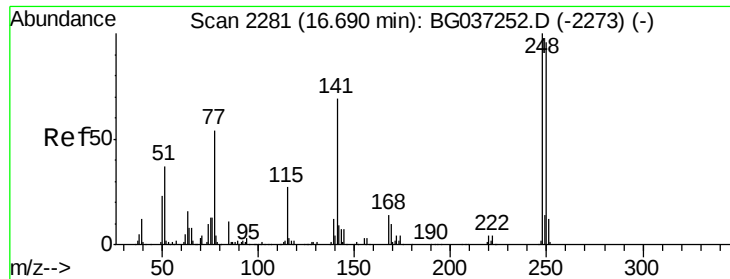
Tot Ion:188 Resp: 378564
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.2 10.8
 80 10.0 7.7 11.5



#65
 4,6-Dinitro-2-methylphenol
 Concen: 6.302 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. 0.36 min
 Lab File: BG037294.D
 Acq: 12 Oct 2018 17:01

Tgt Ion:198 Resp: 482
 Ion Ratio Lower Upper
 198 100
 51 32.4 22.7 62.7
 105 35.5 19.7 59.7

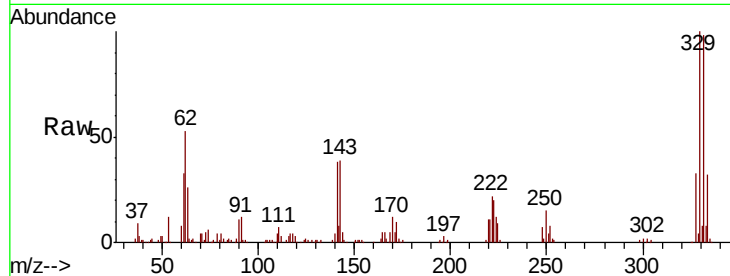




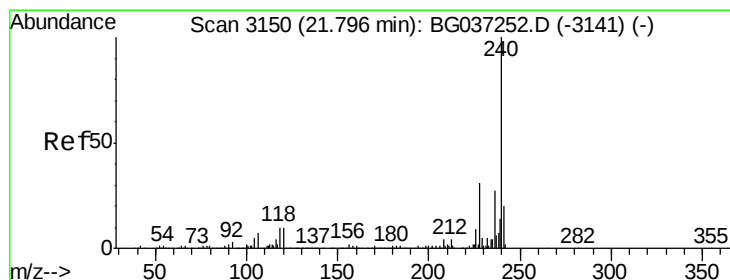
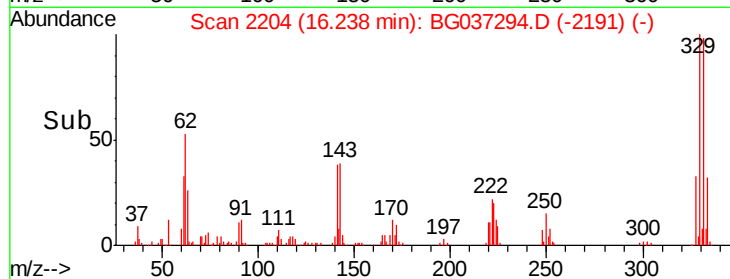
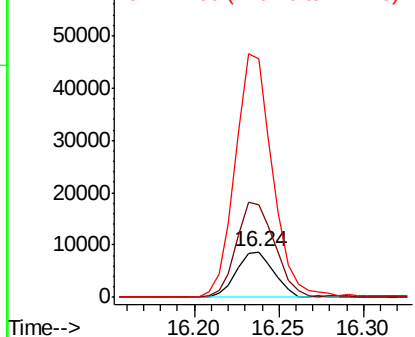
#67
4-Bromophenyl-phenylether
Concen: 3.276 ng
RT: 16.24 min Scan# 2204
Delta R.T. -0.45 min
Lab File: BG037294.D
Acq: 12 Oct 2018 17:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 13385
Ion Ratio Lower Upper
248 100
250 197.1 77.0 115.6#
141 397.1 55.5 83.3#

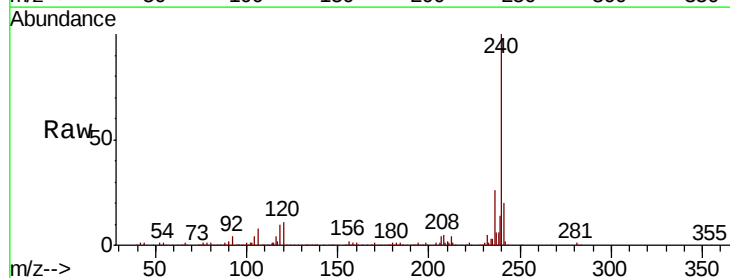


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

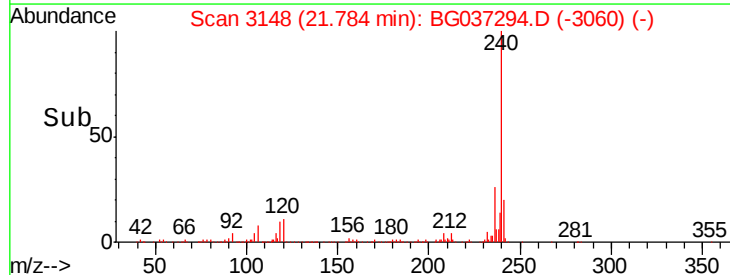
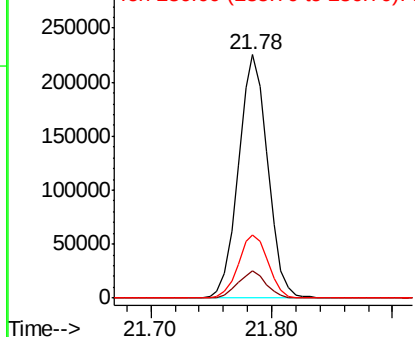


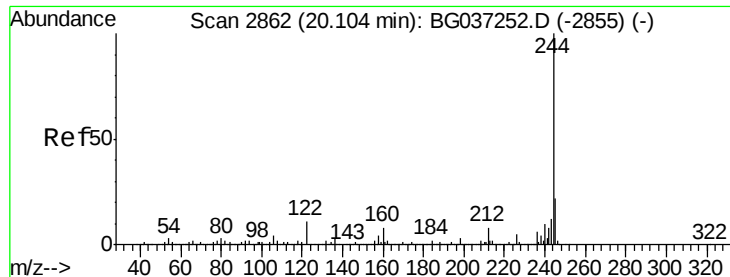
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.78 min Scan# 3148
Delta R.T. -0.01 min
Lab File: BG037294.D
Acq: 12 Oct 2018 17:01

Tgt Ion:240 Resp: 380734
Ion Ratio Lower Upper
240 100
120 11.0 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

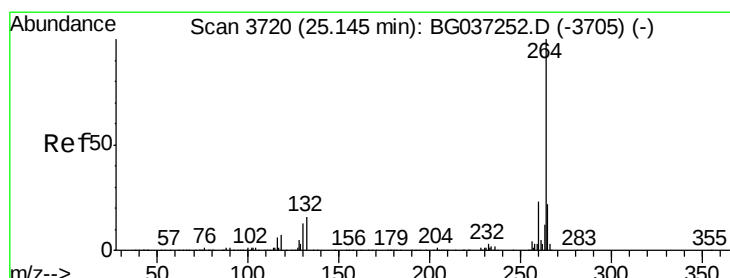
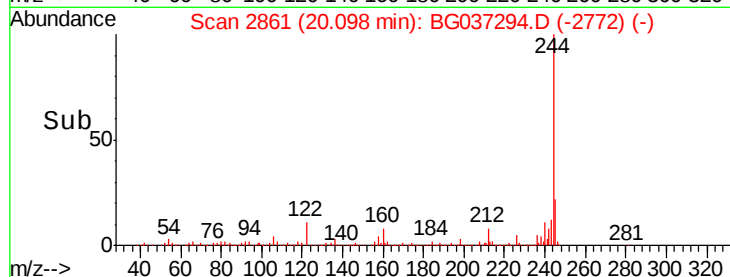
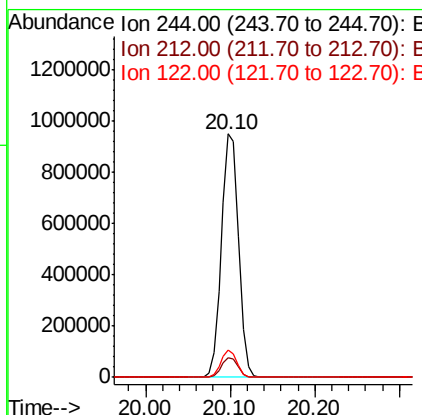
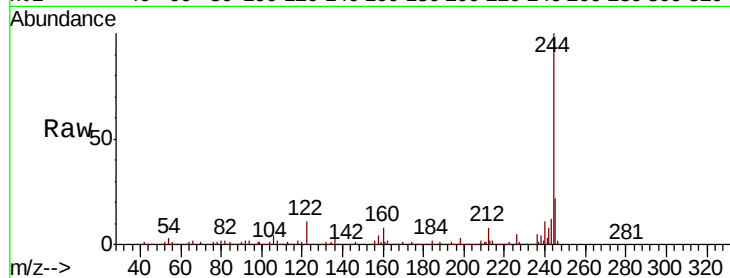




#79
 Terphenyl-d14
 Concen: 73.990 ng
 RT: 20.10 min Scan# 2861
 Delta R.T. -0.01 min
 Lab File: BG037294.D
 Acq: 12 Oct 2018 17:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:244 Resp: 1341614
 Ion Ratio Lower Upper
 244 100
 212 8.2 6.5 9.7
 122 11.2 9.0 13.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.13 min Scan# 3718
 Delta R.T. -0.01 min
 Lab File: BG037294.D
 Acq: 12 Oct 2018 17:01

Tgt Ion:264 Resp: 375547
 Ion Ratio Lower Upper
 264 100
 260 23.5 18.2 27.4
 265 22.2 17.9 26.9

