

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103018\
 Data File : BG037655.D
 Acq On : 30 Oct 2018 16:01
 Operator : JU/SJ
 Sample : J5691-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 30 16:47:03 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG101818.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 18 14:06:42 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	61708	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	285764	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	190826	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	439457	20.00	ng	0.00
76) Chrysene-d12	21.76	240	393333	20.00	ng	-0.01
87) Perylene-d12	25.09	264	389282	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	195841	53.06	ng	0.00
7) Phenol-d6	7.24	99	181252	32.48	ng	-0.01
23) Nitrobenzene-d5	9.28	82	380587	74.61	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	220728	106.05	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	912925	72.14	ng	-0.01
79) Terphenyl-d14	20.08	244	1264358	68.69	ng	0.00

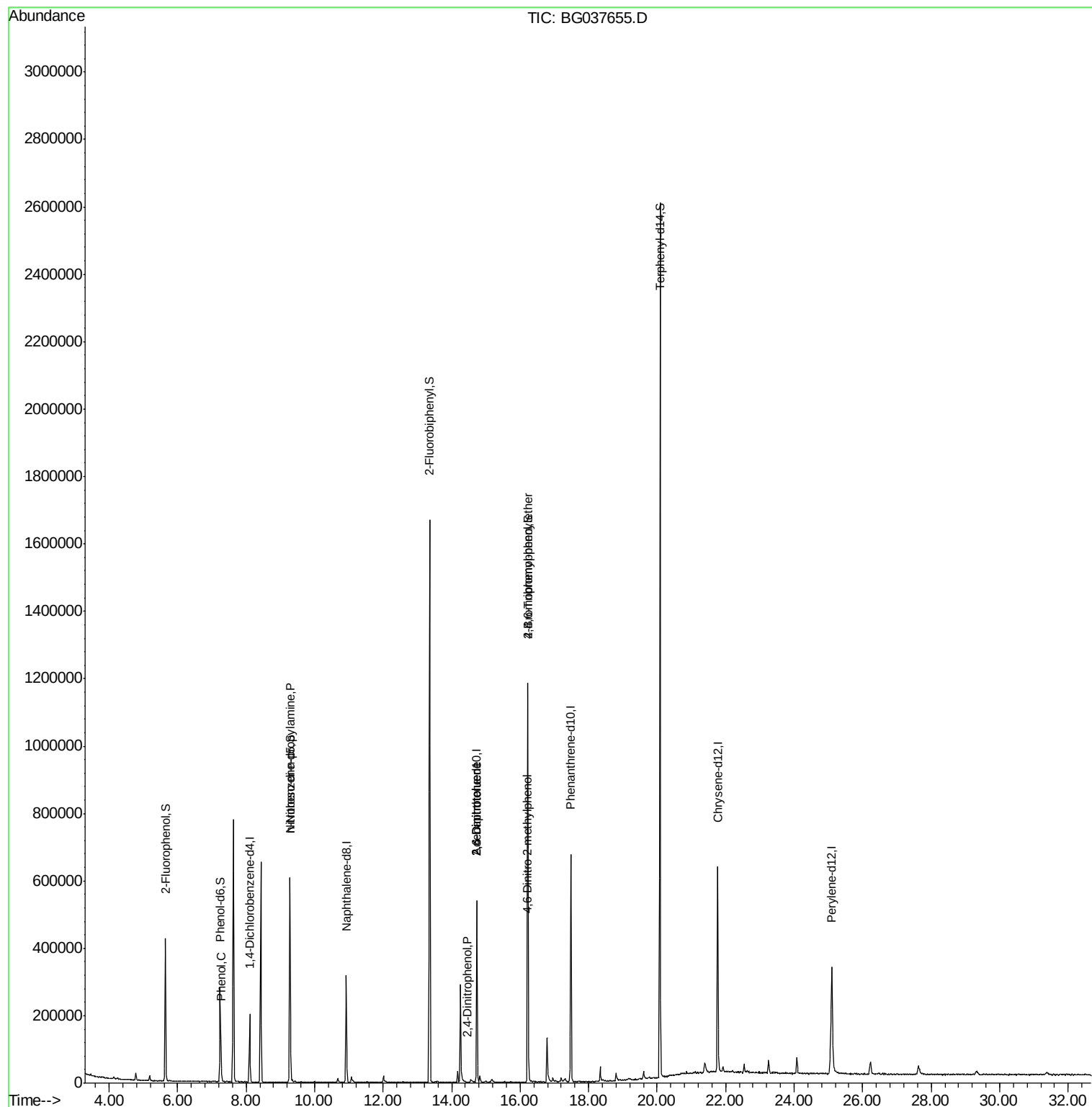
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.27	94	35308	5.996	ng	97
19) n-Nitroso-di-n-propylamine	9.28	70	47522	12.365	ng	# 72
51) 2,6-Dinitrotoluene	14.74	165	24426	7.479	ng	# 25
54) 2,4-Dinitrophenol	14.45	184	55	6.178	ng	# 26
57) 2,4-Dinitrotoluene	14.74	165	24426	5.698	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.20	198	865	8.816	ng	# 66
67) 4-Bromophenyl-phenylether	16.22	248	16664	3.453	ng	# 1

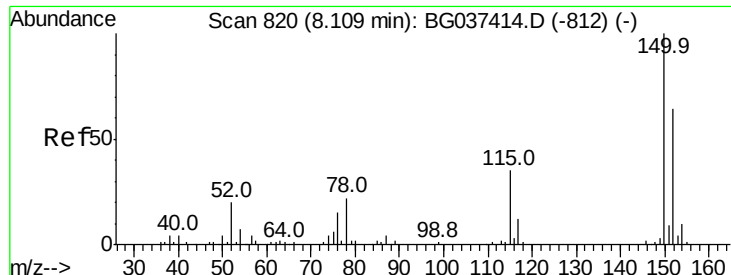
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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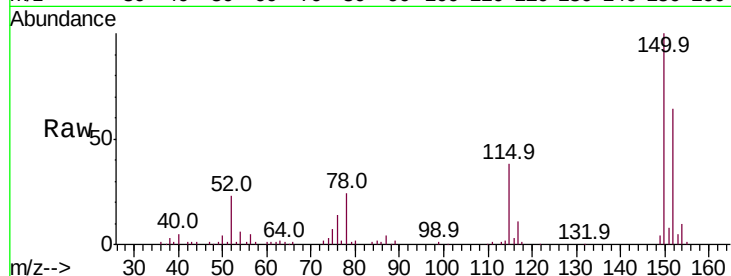


#1

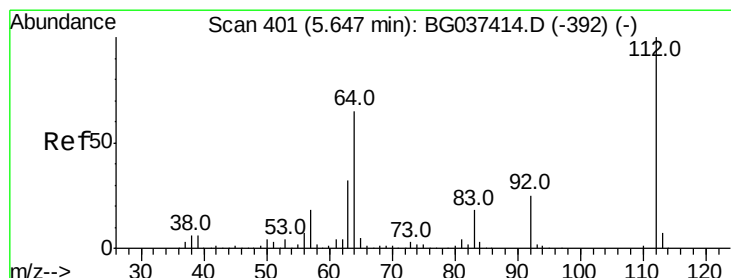
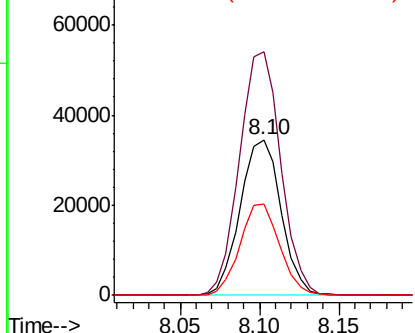
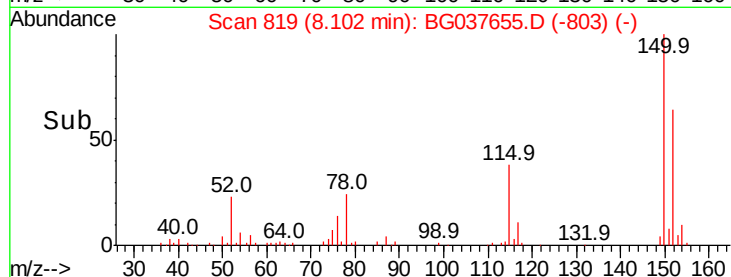
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037655.D
Acq: 30 Oct 2018 16:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 61708
Ion Ratio Lower Upper
152 100
150 156.4 126.0 189.0
115 58.8 45.5 68.3



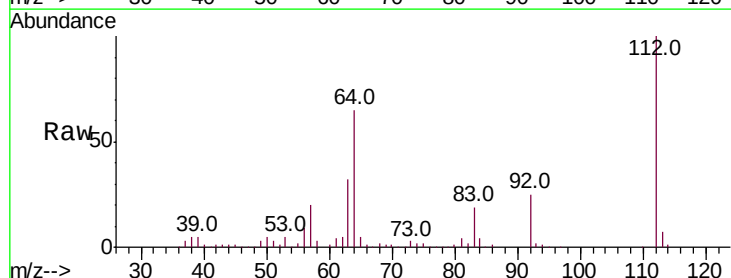
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



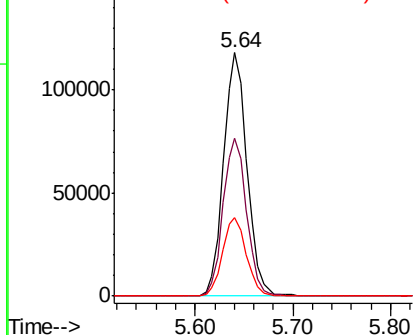
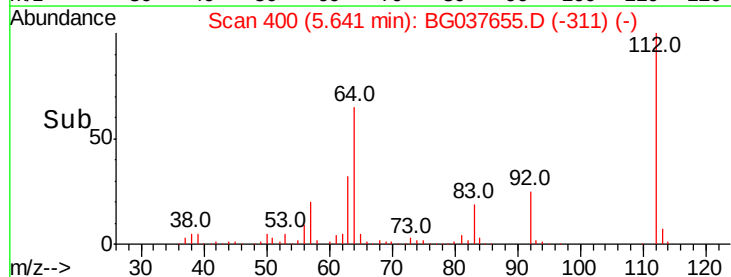
#5

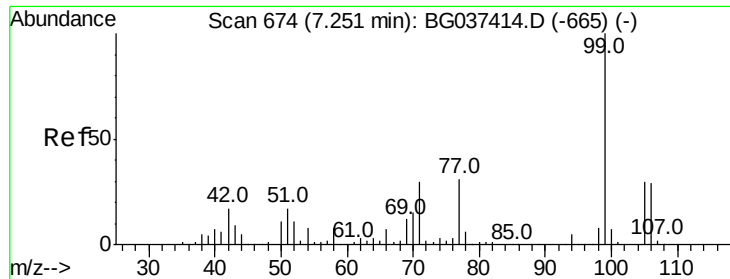
2-Fluorophenol
Concen: 53.059 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037655.D
Acq: 30 Oct 2018 16:01

Tgt Ion:112 Resp: 195841
Ion Ratio Lower Upper
112 100
64 64.7 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): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 32.475 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037655.D

Acq: 30 Oct 2018 16:01

Instrument :

BNA_G

ClientSampleId :

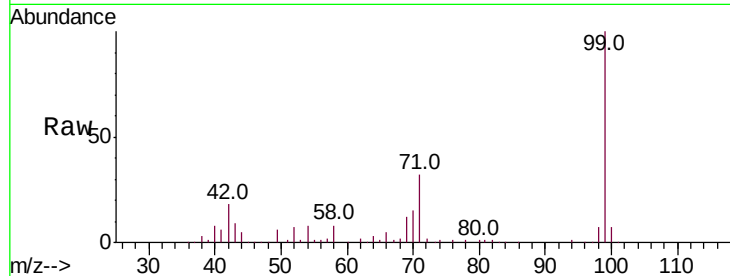
Tot Ion: 99 Resp: 181252

Ion Ratio Lower Upper

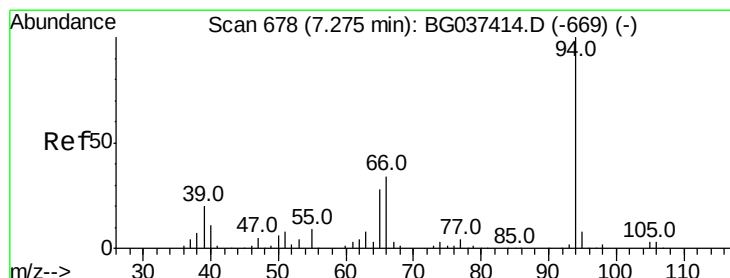
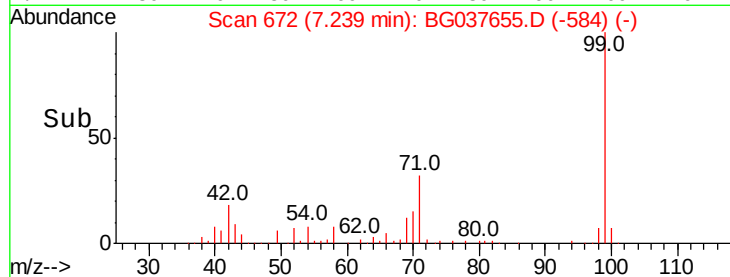
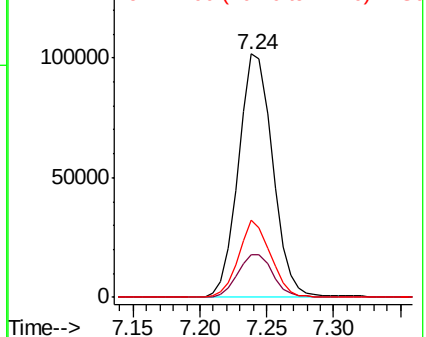
99 100

42 17.5 15.0 22.4

71 31.7 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



#10

Phenol

Concen: 5.996 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037655.D

Acq: 30 Oct 2018 16:01

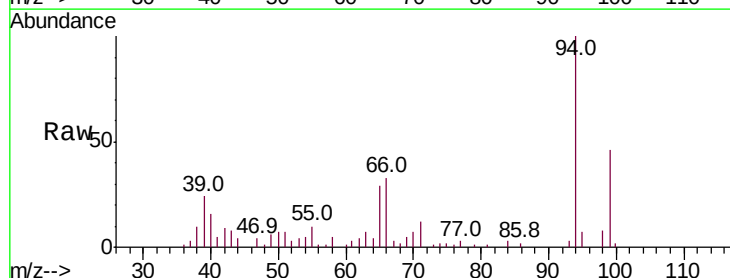
Tgt Ion: 94 Resp: 35308

Ion Ratio Lower Upper

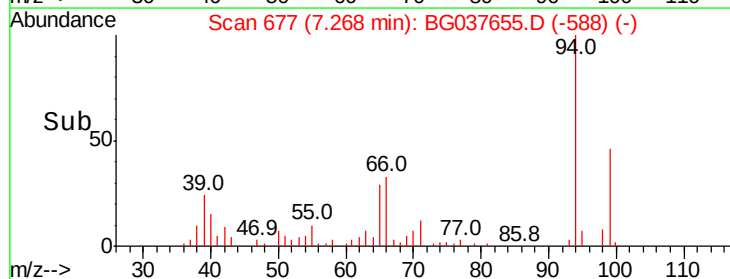
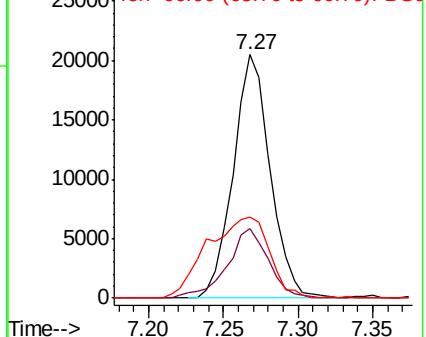
94 100

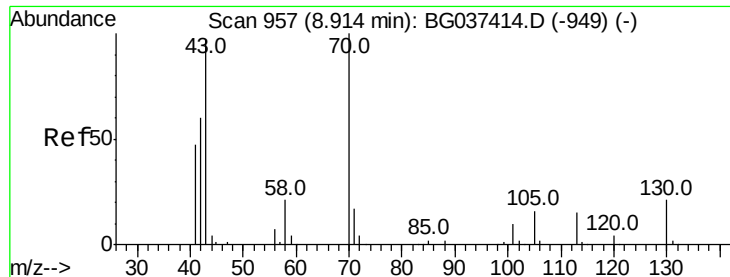
65 28.6 9.7 49.7

66 33.4 15.9 55.9



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 12.365 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037655.D

Acq: 30 Oct 2018 16:01

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 47522

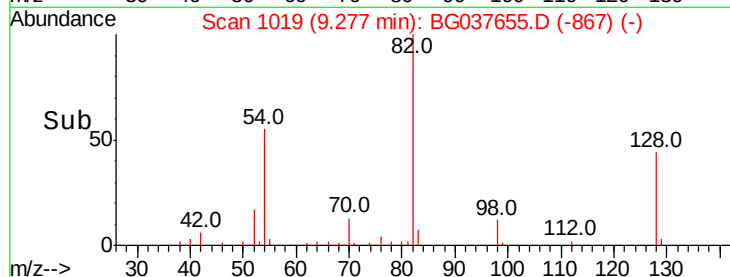
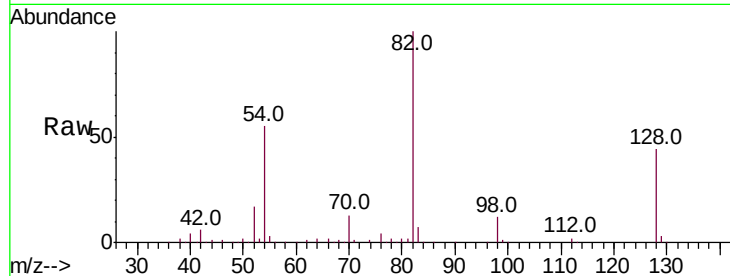
Ion Ratio Lower Upper

70 100

42 48.6 53.9 80.9#

101 0.0 8.2 12.2#

130 1.6 18.2 27.4#



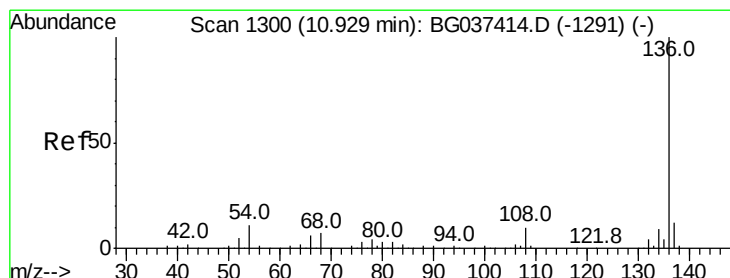
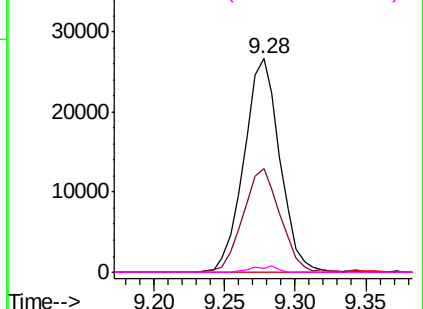
Abundance

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: 10.92 min Scan# 1299

Delta R.T. -0.01 min

Lab File: BG037655.D

Acq: 30 Oct 2018 16:01

Tgt Ion: 136 Resp: 285764

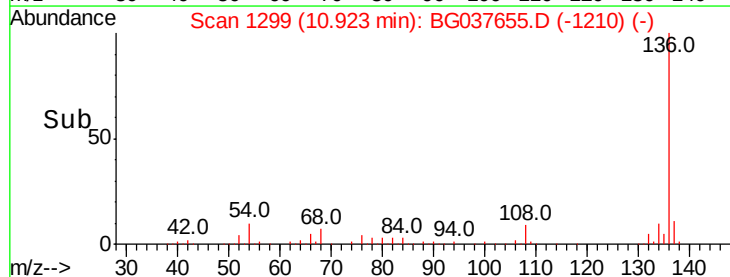
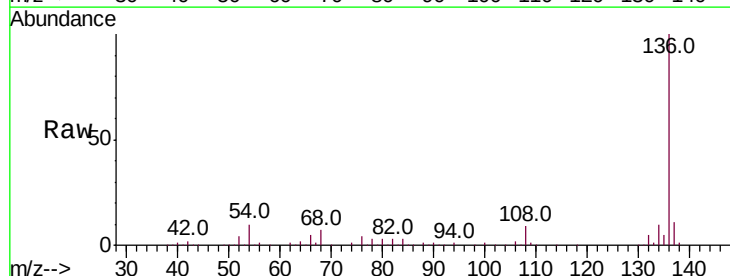
Ion Ratio Lower Upper

136 100

137 10.7 9.6 14.4

54 9.8 7.9 11.9

68 6.6 4.8 7.2



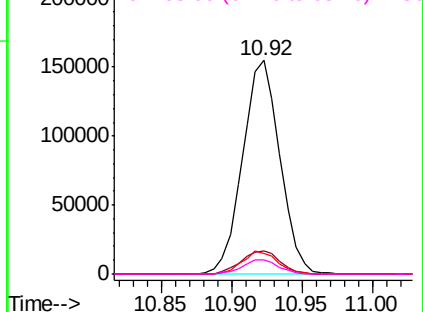
Abundance

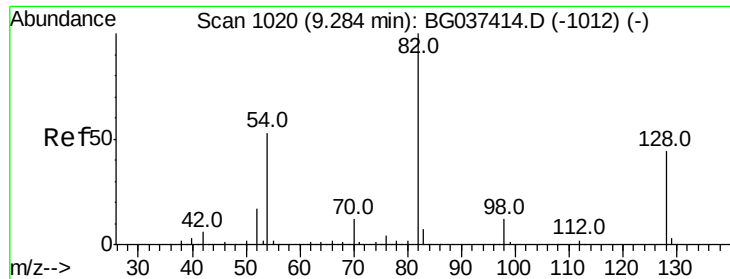
Ion 136.00 (135.70 to 136.70): BGC

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

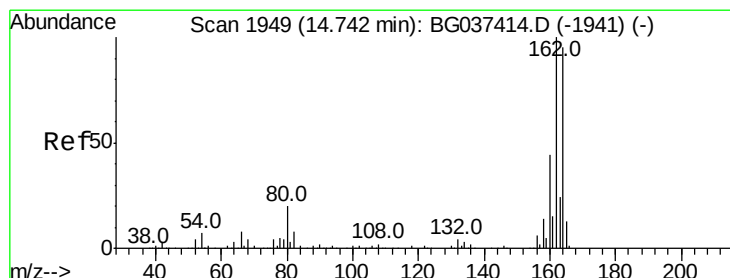
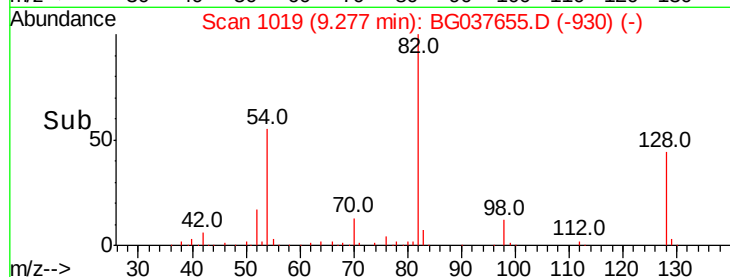
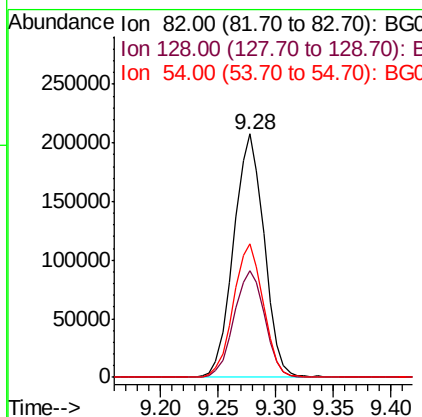
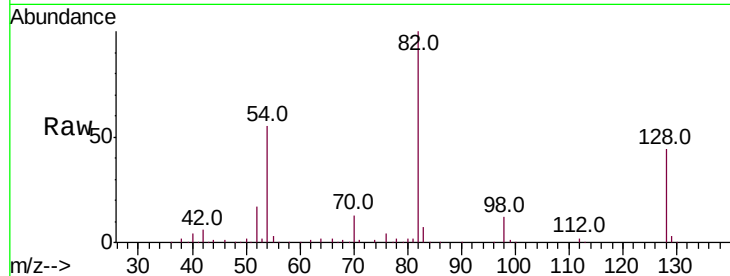




#23
 Nitrobenzene-d5
 Concen: 74.607 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG037655.D
 Acq: 30 Oct 2018 16:01

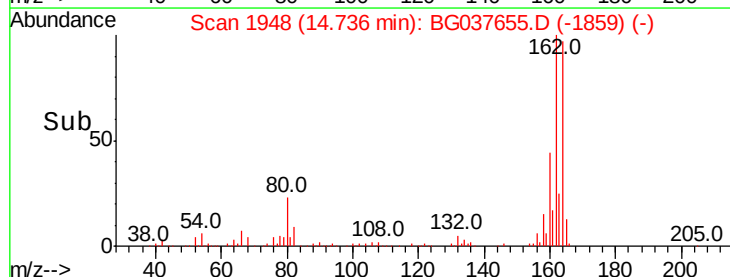
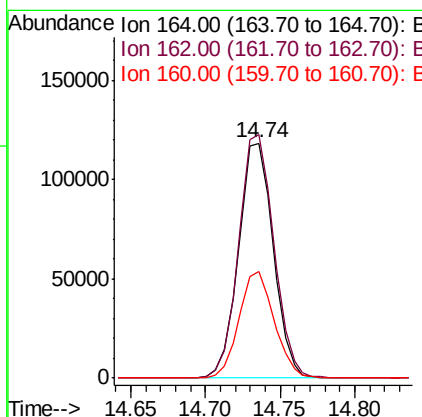
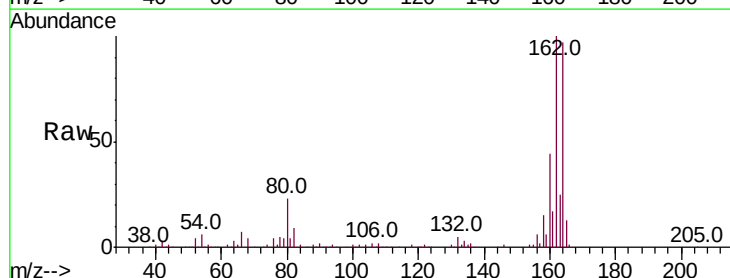
Instrument :
 BNA_G
 ClientSampleId :

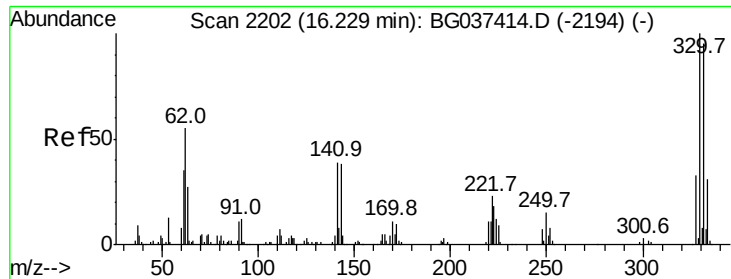
Tot Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.6	51.8
54	55.0	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037655.D
 Acq: 30 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	81.3	121.9
160	45.3	36.3	54.5

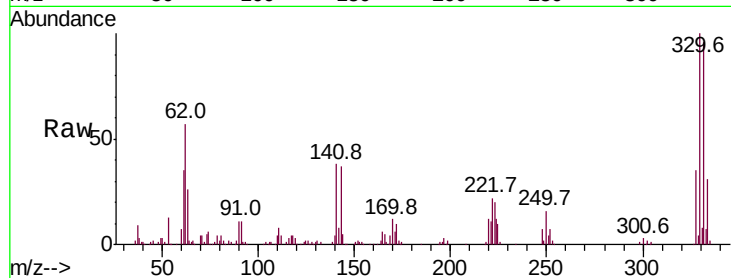




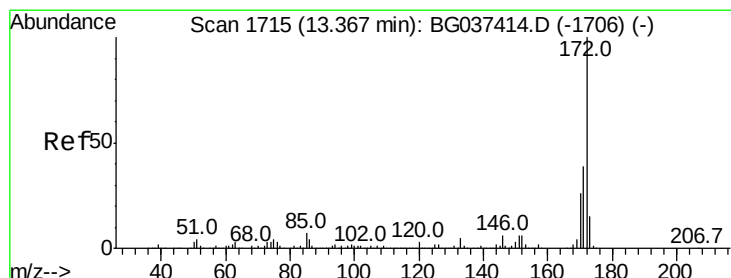
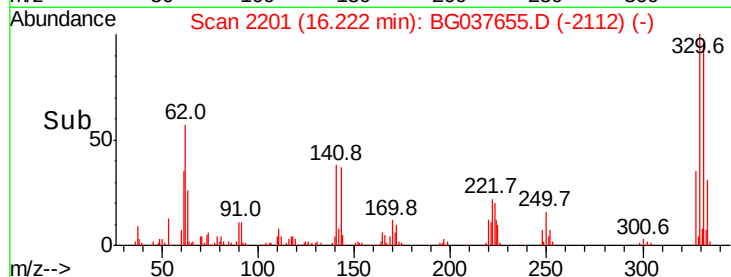
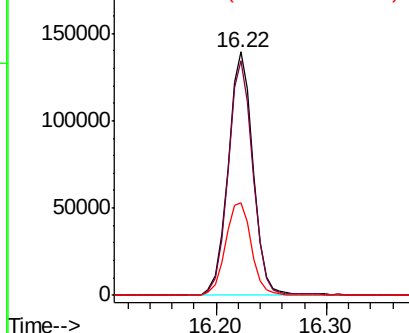
#42
 2,4,6-Tribromophenol
 Concen: 106.052 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037655.D
 Acq: 30 Oct 2018 16:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.4	117.6
141	39.6	32.2	48.2

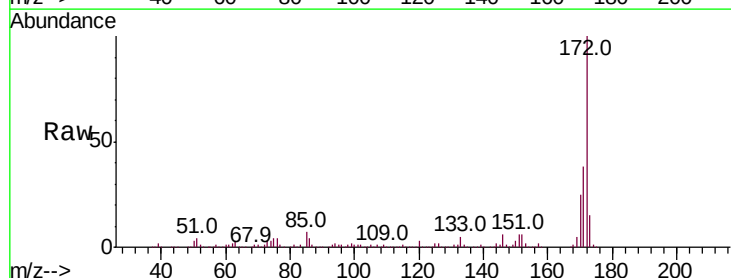


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

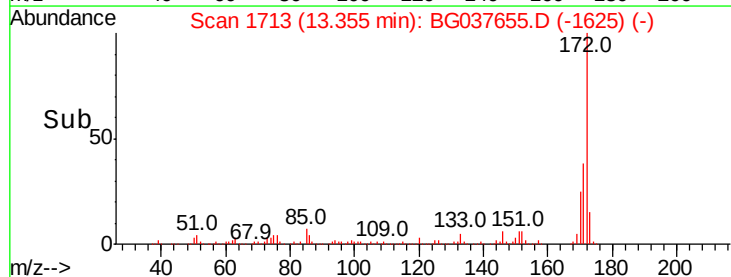
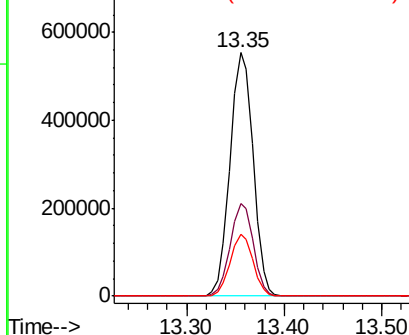


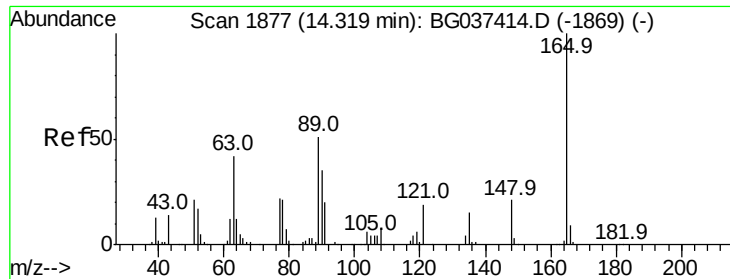
#45
 2-Fluorobiphenyl
 Concen: 72.141 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037655.D
 Acq: 30 Oct 2018 16:01

Tgt 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

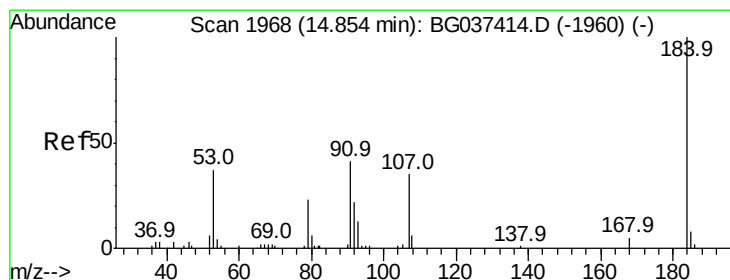
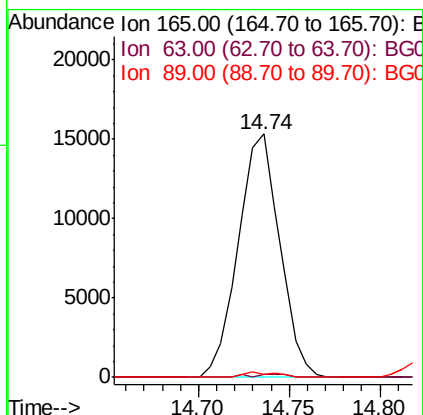
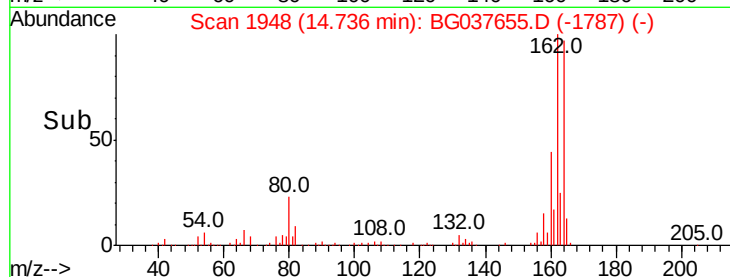
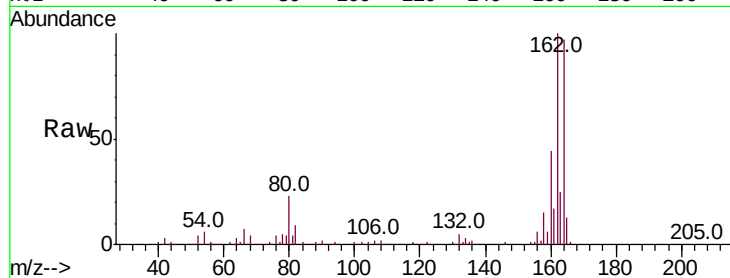




#51
 2,6-Dinitrotoluene
 Concen: 7.479 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. 0.42 min
 Lab File: BG037655.D
 Acq: 30 Oct 2018 16:01

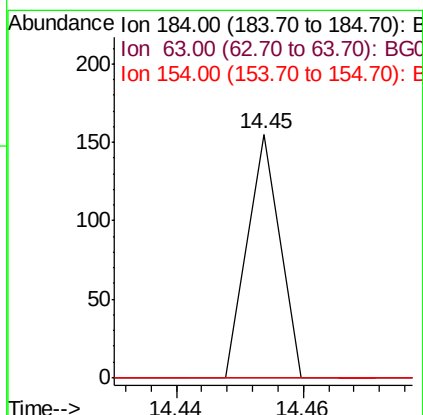
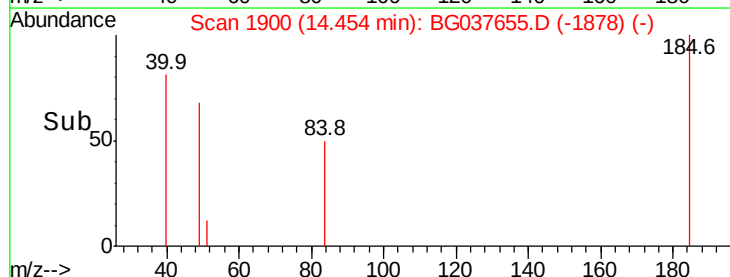
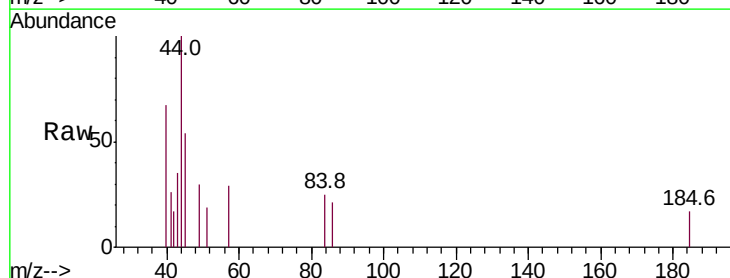
Instrument :
 BNA_G
 ClientSampleId :

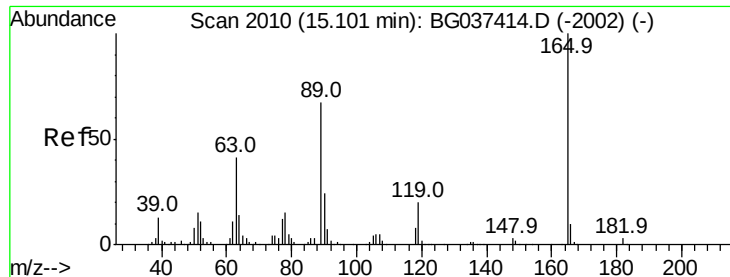
Tot Ion:165 Resp: 24426
 Ion Ratio Lower Upper
 165 100
 63 1.4 43.4 65.2#
 89 1.0 45.8 68.6#



#54
 2,4-Dinitrophenol
 Concen: 6.178 ng
 RT: 14.45 min Scan# 1900
 Delta R.T. -0.40 min
 Lab File: BG037655.D
 Acq: 30 Oct 2018 16:01

Tgt Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 0.0 42.6 63.8#
 154 0.0 41.8 62.6#

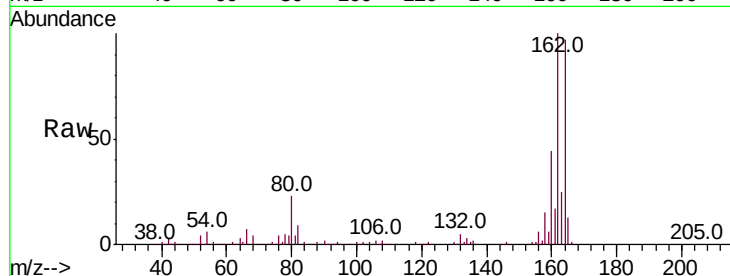




#57
 2,4-Dinitrotoluene
 Concen: 5.698 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.36 min
 Lab File: BG037655.D
 Acq: 30 Oct 2018 16:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.4	33.4	50.0#
89	1.0	57.2	85.8#
182	0.0	2.6	4.0#

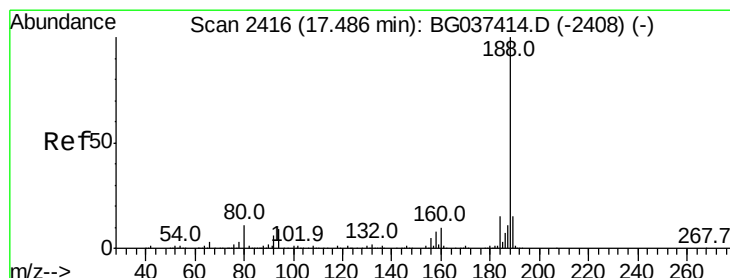
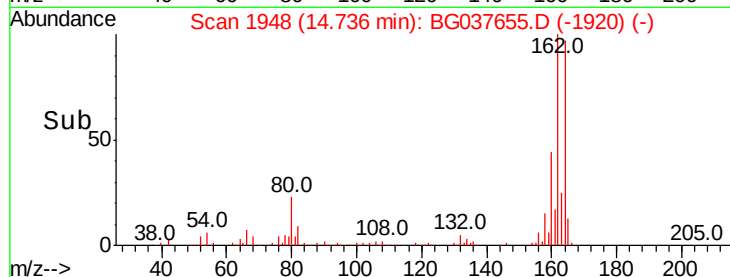
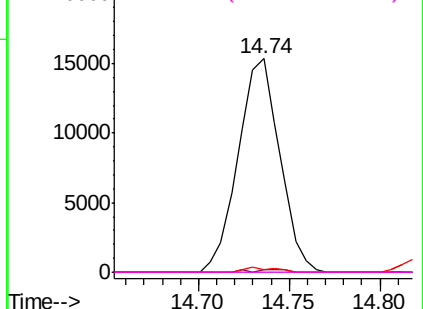


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

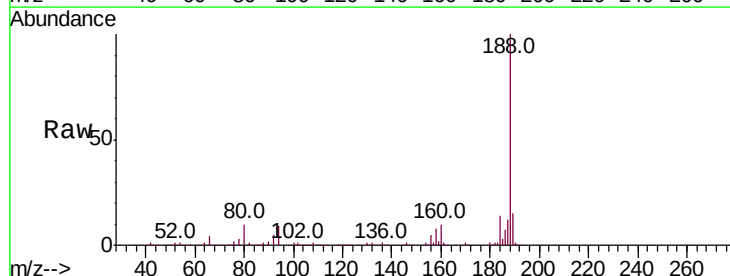
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.48 min Scan# 2415
 Delta R.T. -0.01 min
 Lab File: BG037655.D
 Acq: 30 Oct 2018 16:01

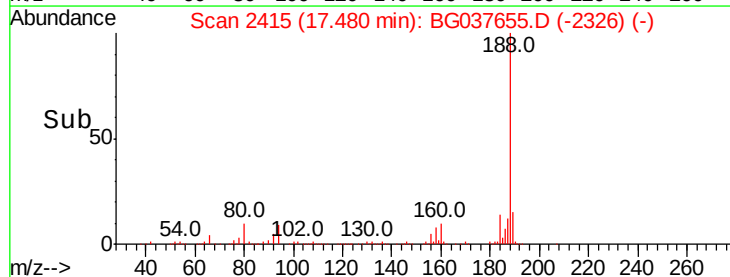
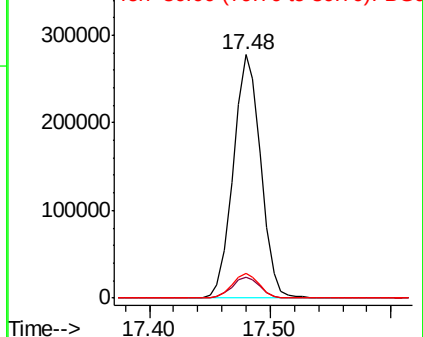
Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	7.2	10.8
80	10.3	7.7	11.5

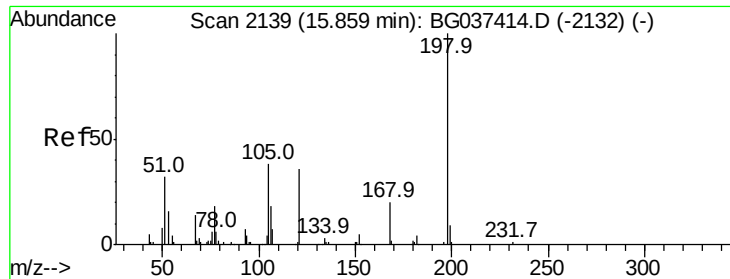


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

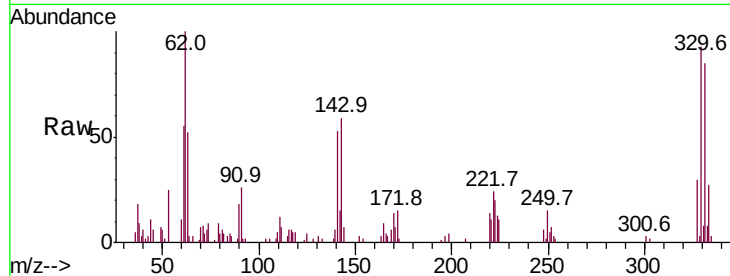




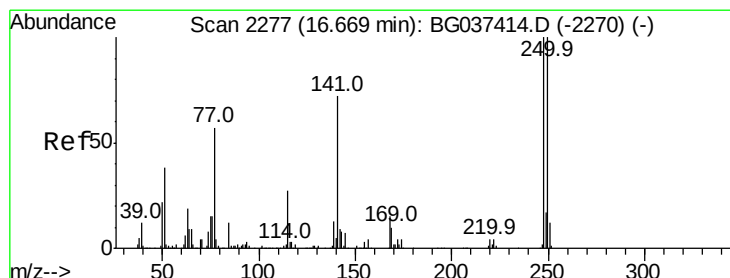
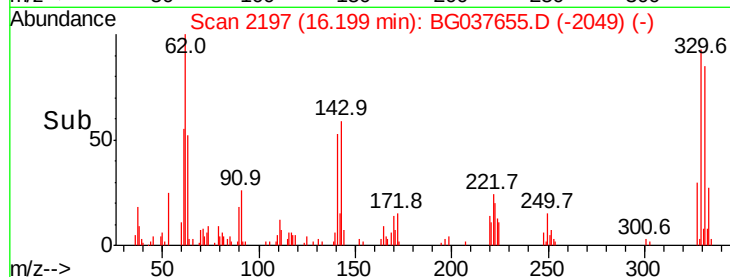
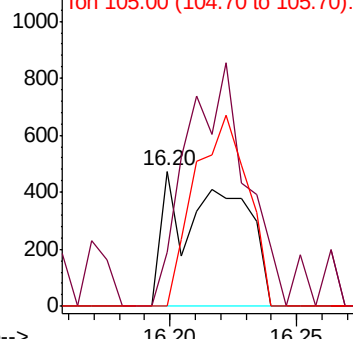
#65
 4,6-Dinitro-2-methylphenol
 Concen: 8.816 ng
 RT: 16.20 min Scan# 2197
 Delta R.T. 0.34 min
 Lab File: BG037655.D
 Acq: 30 Oct 2018 16:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:198 Resp: 865
 Ion Ratio Lower Upper
 198 100
 51 39.6 22.7 62.7
 105 0.0 19.7 59.7#

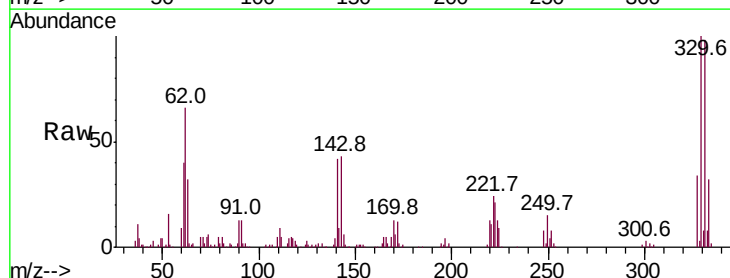


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG0
 Ion 105.00 (104.70 to 105.70): E

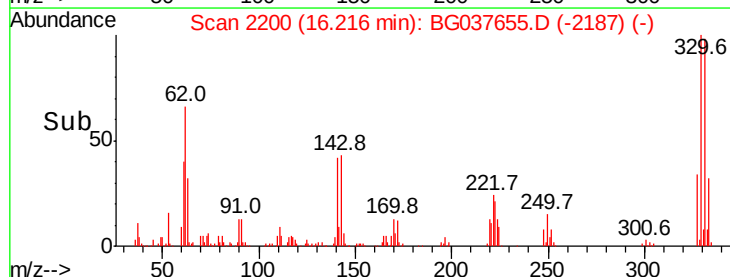
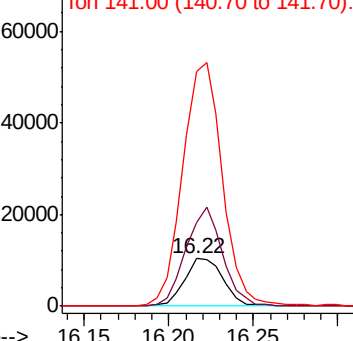


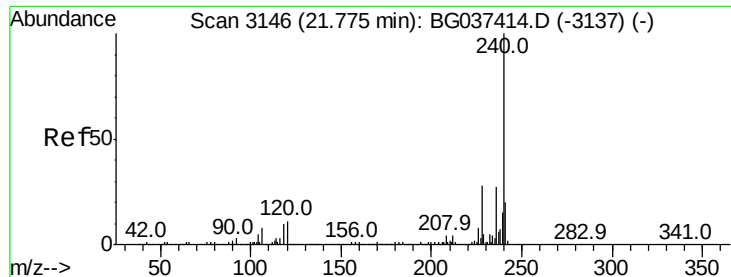
#67
 4-Bromophenyl-phenylether
 Concen: 3.453 ng
 RT: 16.22 min Scan# 2200
 Delta R.T. -0.45 min
 Lab File: BG037655.D
 Acq: 30 Oct 2018 16:01

Tgt Ion:248 Resp: 16664
 Ion Ratio Lower Upper
 248 100
 250 185.9 77.0 115.6#
 141 403.1 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

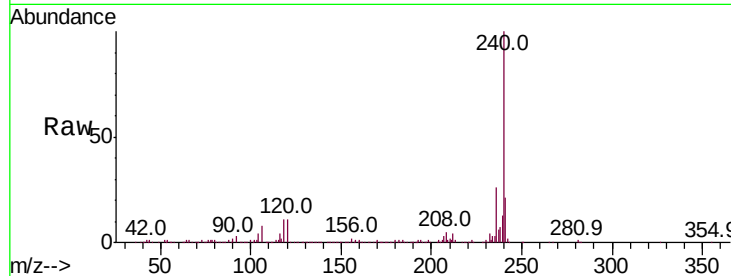




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.76 min Scan# 3144
 Delta R.T. -0.01 min
 Lab File: BG037655.D
 Acq: 30 Oct 2018 16:01

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.9	8.1	12.1
236	25.7	21.4	32.0

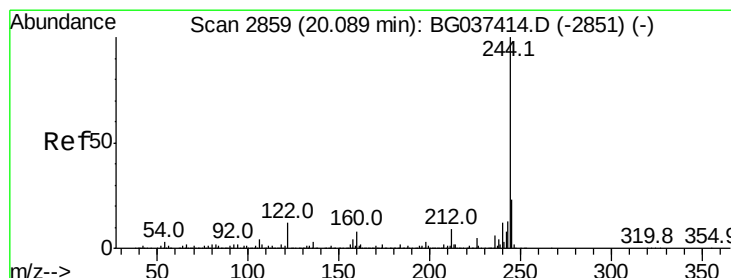
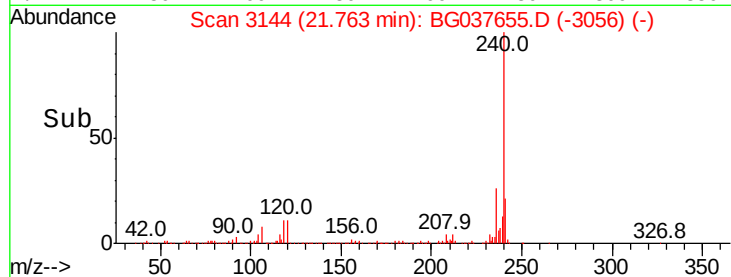
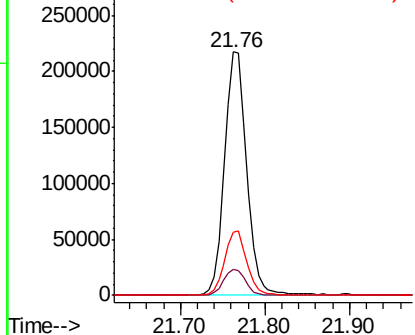


Abundance

Ion 240.00 (239.70 to 240.70): E

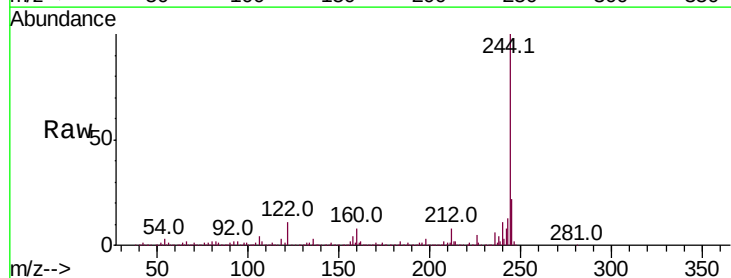
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#79
 Terphenyl-d14
 Concen: 68.686 ng
 RT: 20.08 min Scan# 2858
 Delta R.T. -0.01 min
 Lab File: BG037655.D
 Acq: 30 Oct 2018 16:01

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	11.4	9.0	13.4

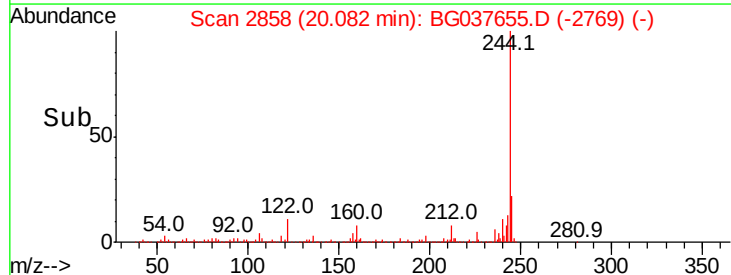
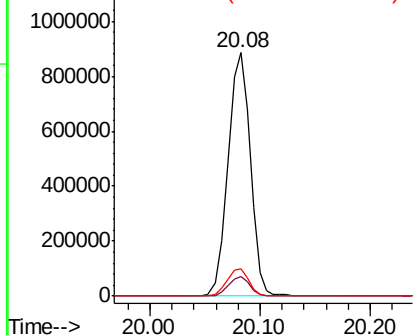


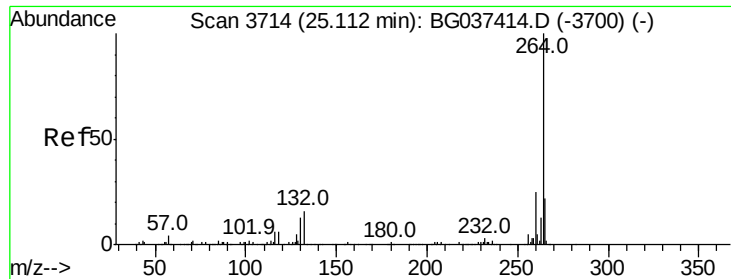
Abundance

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

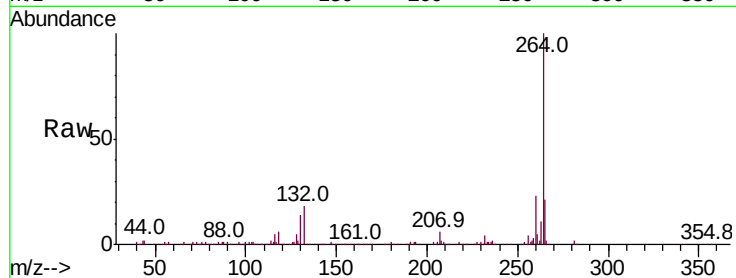




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.09 min Scan# 3711
Delta R.T. -0.02 min
Lab File: BG037655.D
Acq: 30 Oct 2018 16:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	18.2	27.4
265	21.1	17.9	26.9



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

