

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102918\
 Data File : BG037616.D
 Acq On : 29 Oct 2018 10:39
 Operator : JU/SJ
 Sample : J5690-01
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 29 14:34:51 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	56990	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	249098	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	166942	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	403474	20.00	ng	0.00
76) Chrysene-d12	21.77	240	368433	20.00	ng	0.00
87) Perylene-d12	25.10	264	346246	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.64	112	182909	53.66	ng	0.00
7) Phenol-d6	7.24	99	166889	32.38	ng	0.00
23) Nitrobenzene-d5	9.28	82	355604	79.97	ng	0.00
42) 2,4,6-Tribromophenol	16.23	330	210116	115.40	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	857734	77.48	ng	0.00
79) Terphenyl-d14	20.08	244	1295104	75.11	ng	0.00

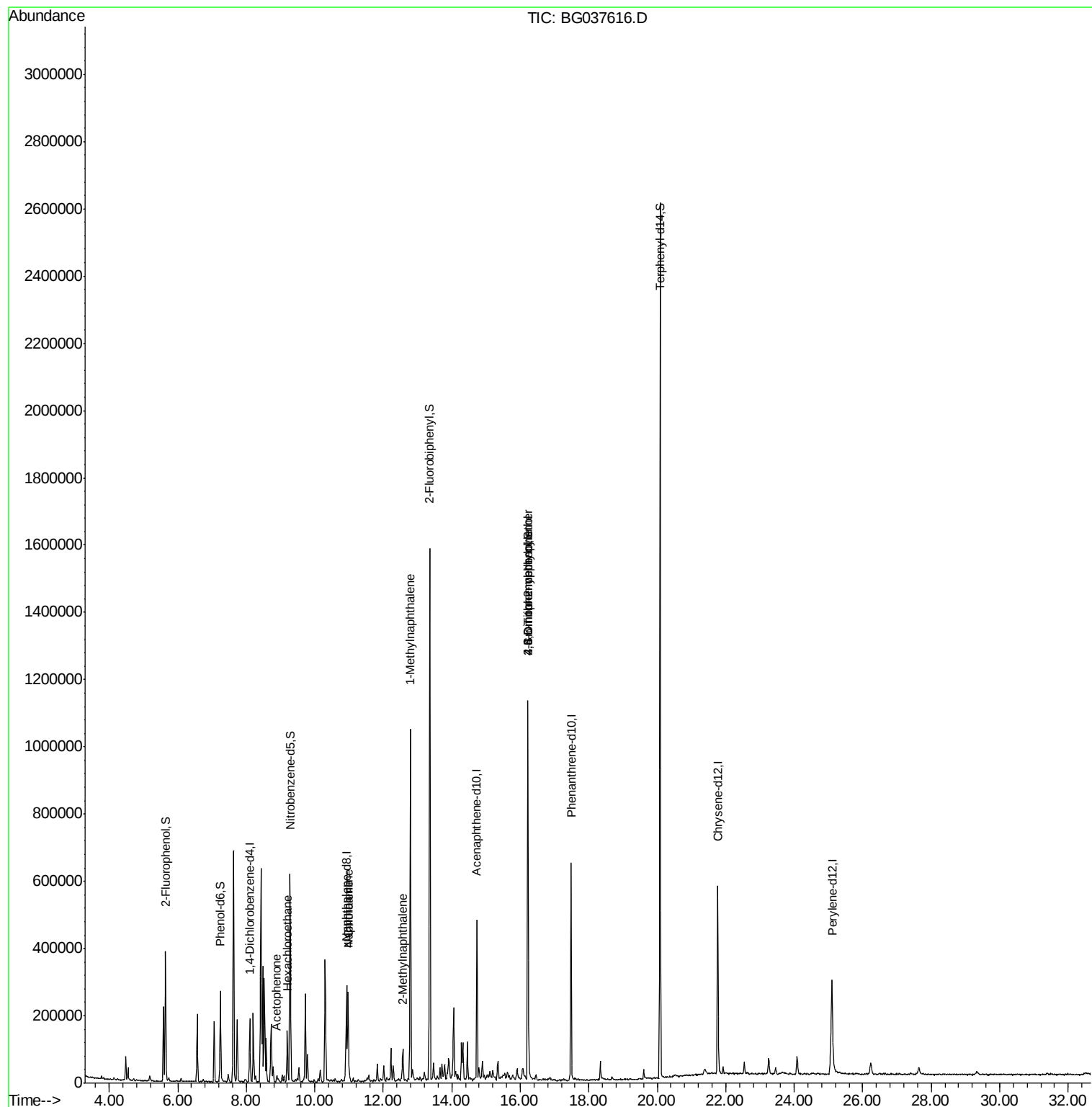
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
18) Hexachloroethane	9.21	117	20422	13.191	ng	# 1
22) Acetophenone	8.90	105	16993	2.720	ng	# 54
31) Naphthalene	10.97	128	226103	18.480	ng	99
33) 4-Chloroaniline	10.97	127	30522	5.309	ng	# 31
37) 2-Methylnaphthalene	12.57	142	46232	5.184	ng	99
38) 1-Methylnaphthalene	12.79	142	517303	59.724	ng	99
65) 4,6-Dinitro-2-methylphenol	16.23	198	621	8.749	ng	94
67) 4-Bromophenyl-phenylether	16.22	248	15835	3.574	ng	# 1

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

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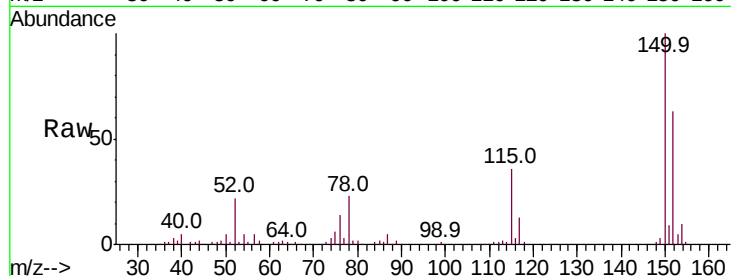


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037616.D
Acq: 29 Oct 2018 10:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.1	126.0	189.0
115	56.9	45.5	68.3

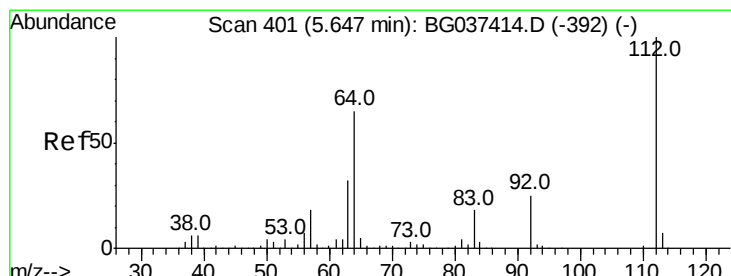
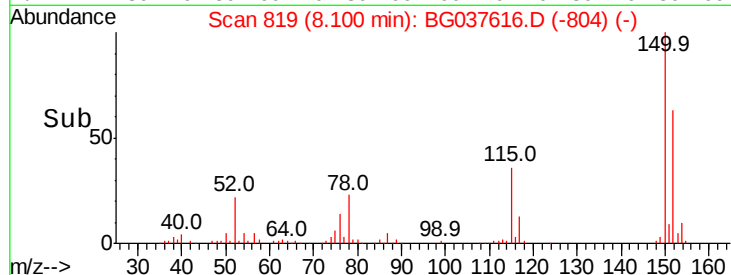
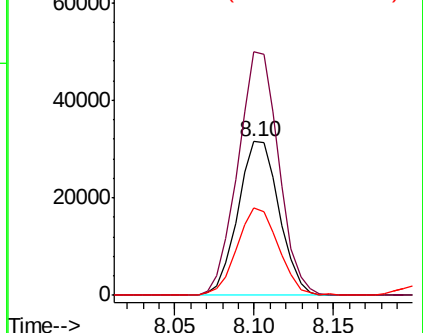


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

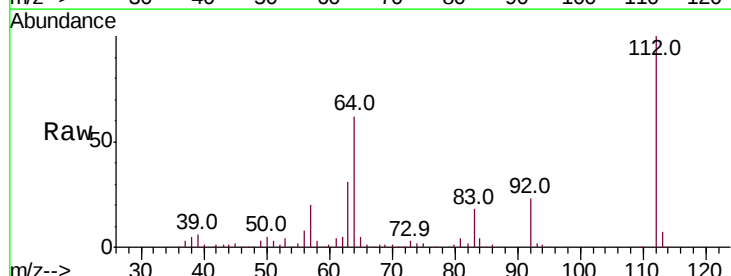
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 53.658 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037616.D
Acq: 29 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.9	53.1	79.7
63	31.2	27.3	40.9

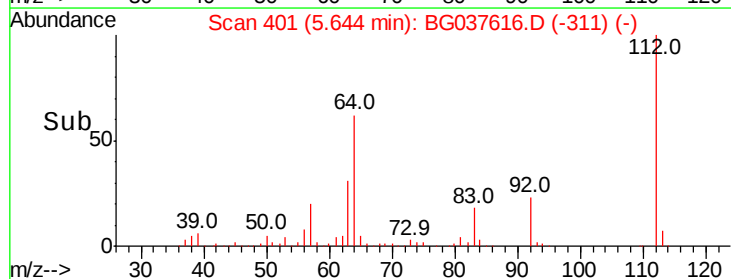
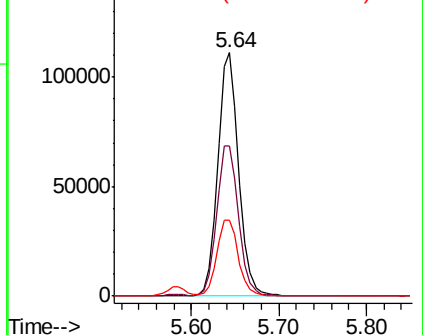


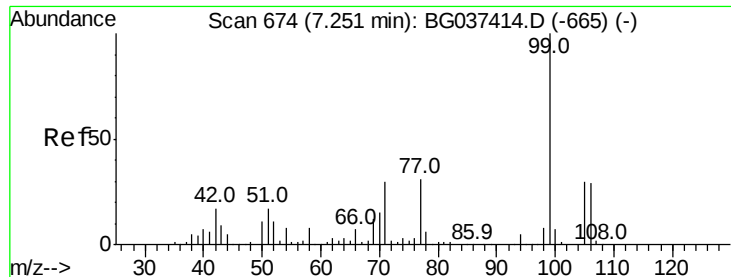
Abundance

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: 32.377 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037616.D

Acq: 29 Oct 2018 10:39

Instrument :

BNA_G

ClientSampleId :

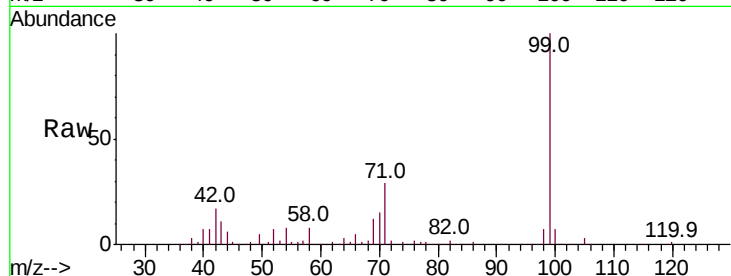
Tot Ion: 99 Resp: 166889

Ion Ratio Lower Upper

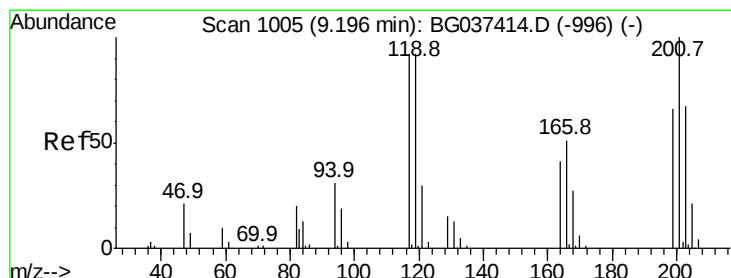
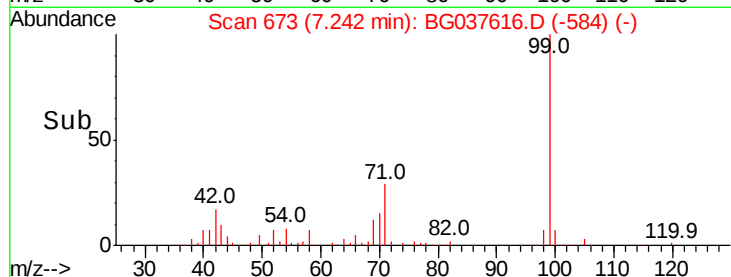
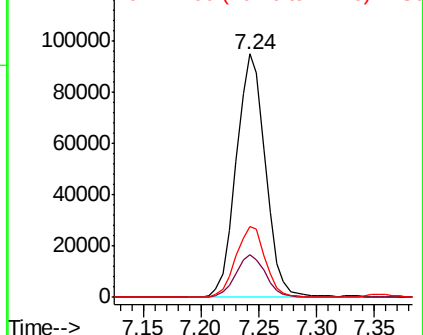
99 100

42 17.5 15.0 22.4

71 29.2 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



#18

Hexachloroethane

Concen: 13.191 ng

RT: 9.21 min Scan# 1008

Delta R.T. 0.01 min

Lab File: BG037616.D

Acq: 29 Oct 2018 10:39

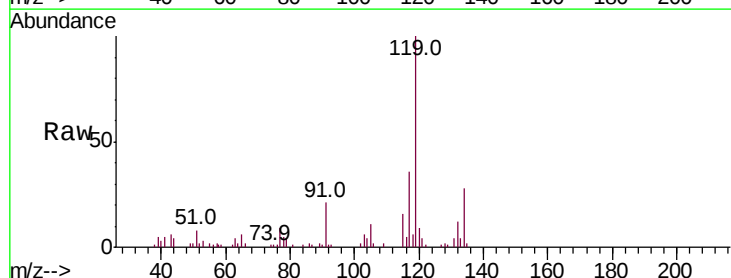
Tgt Ion: 117 Resp: 20422

Ion Ratio Lower Upper

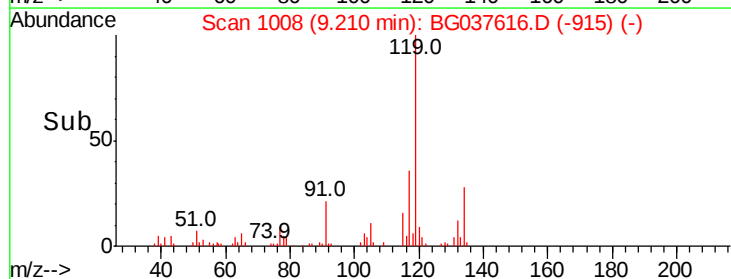
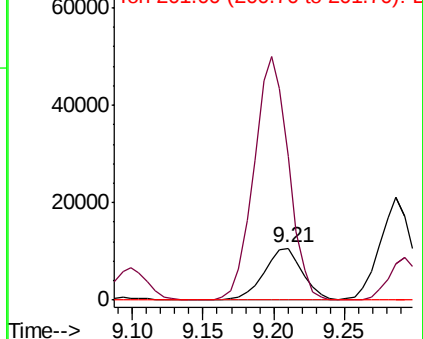
117 100

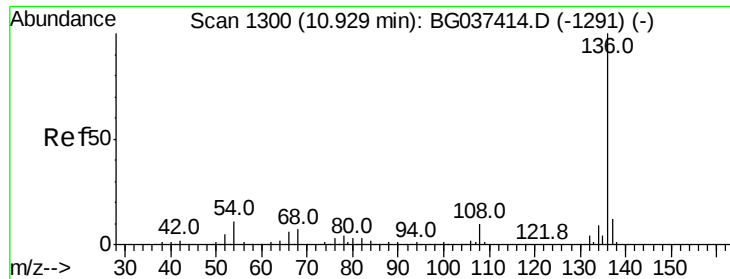
119 276.7 74.6 111.8#

201 0.0 80.8 121.2#



Abundance Ion 117.00 (116.70 to 117.70): E
Ion 119.00 (118.70 to 119.70): E
Ion 201.00 (200.70 to 201.70): E

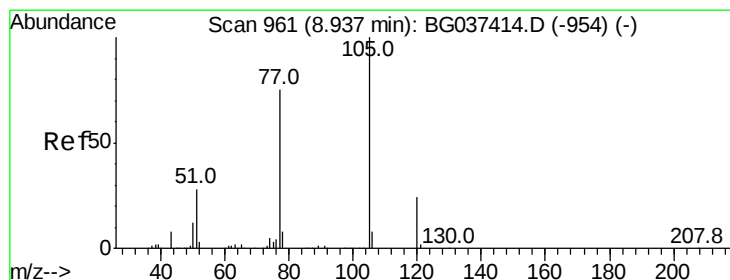
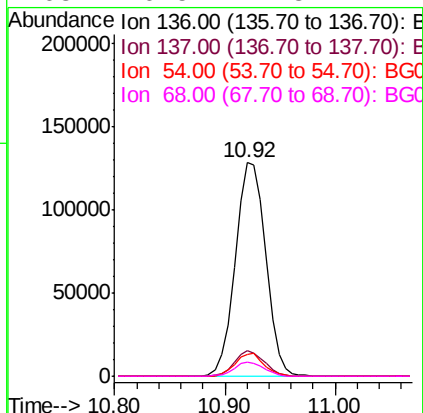
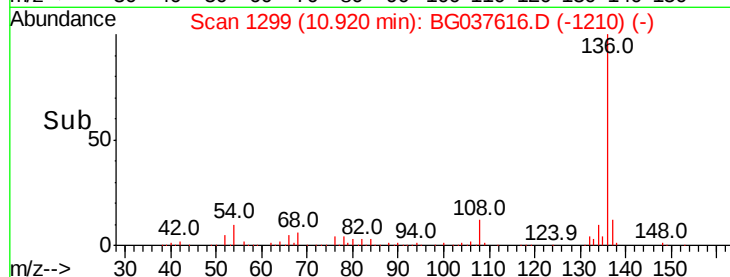
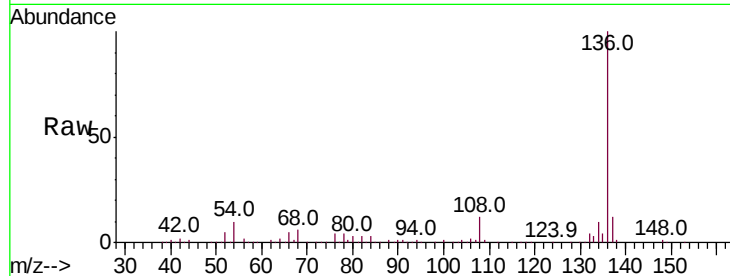




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037616.D
Acq: 29 Oct 2018 10:39

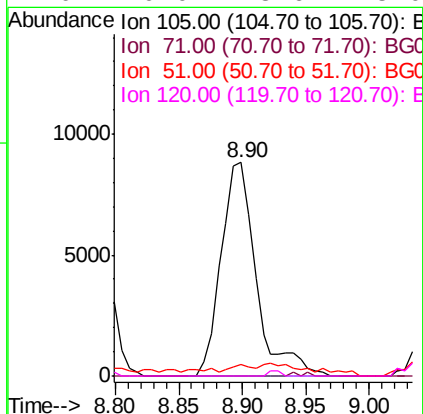
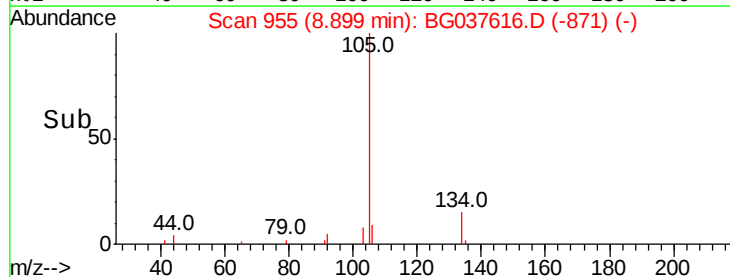
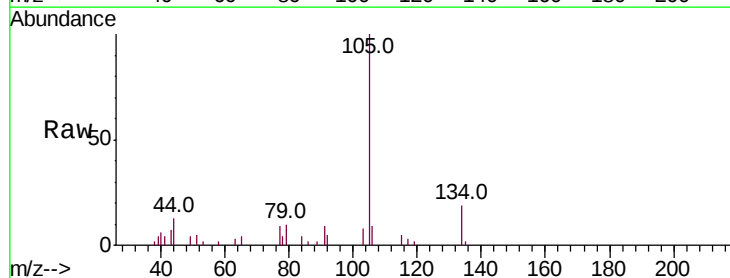
Instrument :
BNA_G
ClientSampleId :

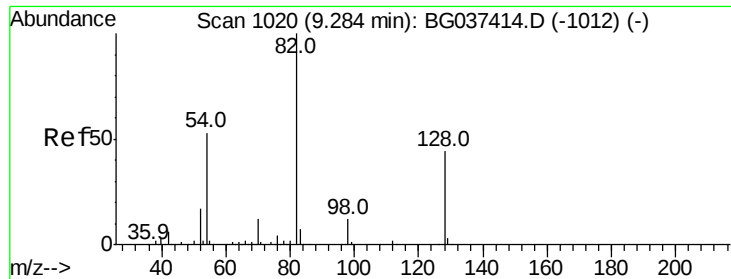
Tot Ion:136	Resp:	249098	
Ion Ratio	Lower	Upper	
136 100			
137 12.0	9.6	14.4	
54 10.1	7.9	11.9	
68 6.5	4.8	7.2	



#22
Acetophenone
Concen: 2.720 ng
RT: 8.90 min Scan# 955
Delta R.T. -0.04 min
Lab File: BG037616.D
Acq: 29 Oct 2018 10:39

Tgt	Ion:105	Resp:	16993
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	5.2	25.0	37.6#
120	0.0	18.6	28.0#

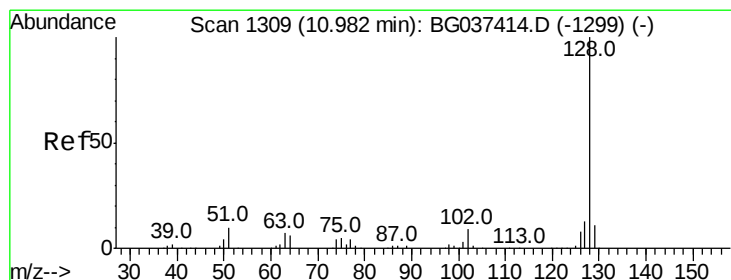
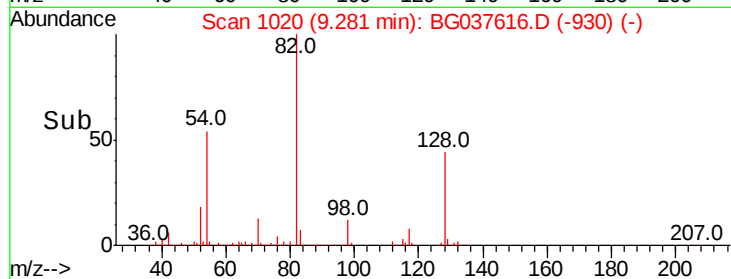
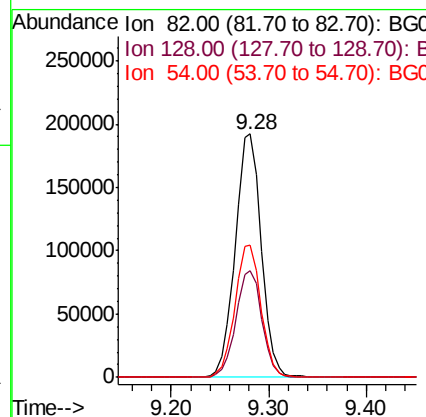
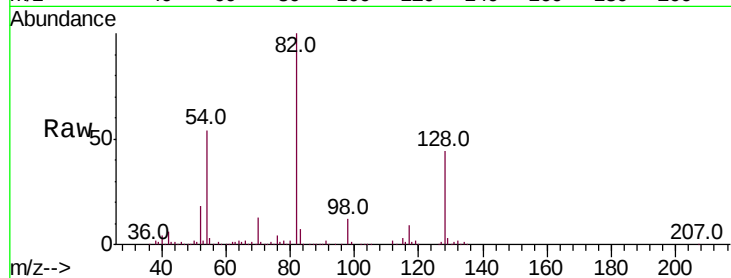




#23
Nitrobenzene-d5
Concen: 79.971 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037616.D
Acq: 29 Oct 2018 10:39

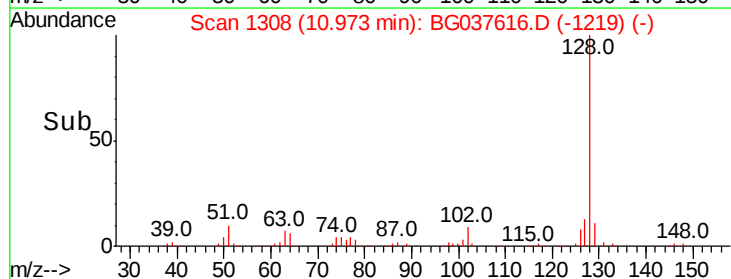
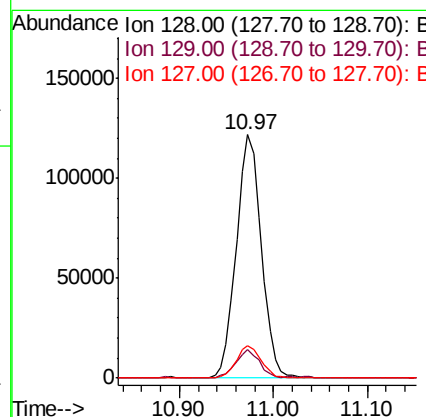
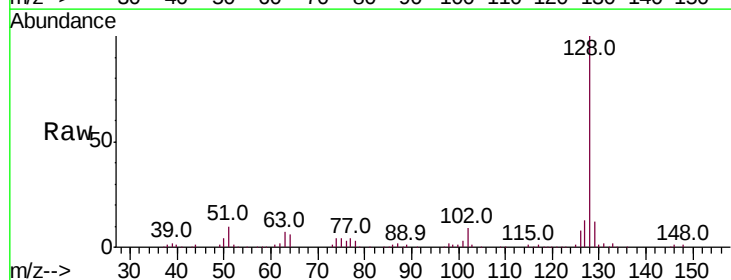
Instrument :
BNA_G
ClientSampleId :

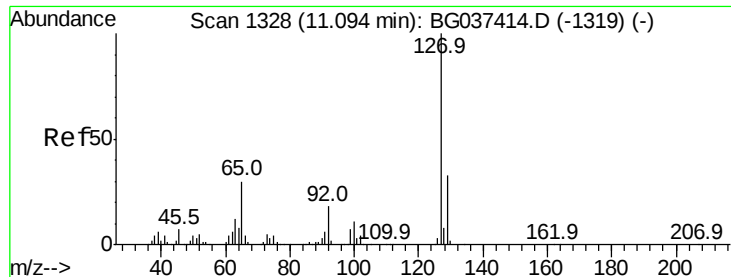
Tot Ion	82	Resp	355604
Ion Ratio	Lower	Upper	
82	100		
128	43.6	34.6	51.8
54	54.1	45.3	67.9



#31
Naphthalene
Concen: 18.480 ng
RT: 10.97 min Scan# 1308
Delta R.T. -0.01 min
Lab File: BG037616.D
Acq: 29 Oct 2018 10:39

Tgt Ion	128	Resp	226103
Ion Ratio	Lower	Upper	
128	100		
129	11.6	9.0	13.6
127	13.3	11.1	16.7

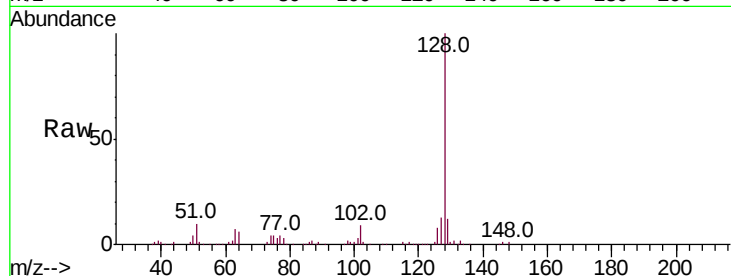




#33
4-Chloroaniline
Concen: 5.309 ng
RT: 10.97 min Scan# 1308
Delta R.T. -0.12 min
Lab File: BG037616.D
Acq: 29 Oct 2018 10:39

Instrument :
BNA_G
ClientSampled :

Tot Ion	Ratio	Lower	Upper
127	100		
129	87.3	27.1	40.7#
65	0.0	26.6	39.8#
92	0.0	16.4	24.6#



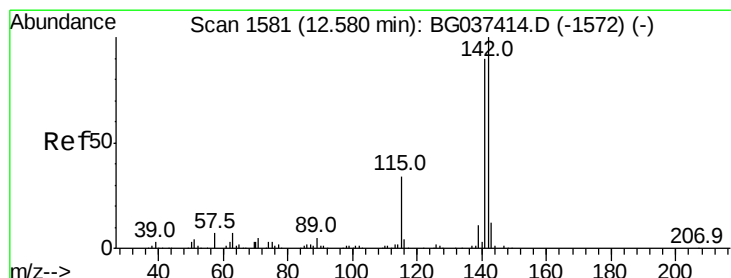
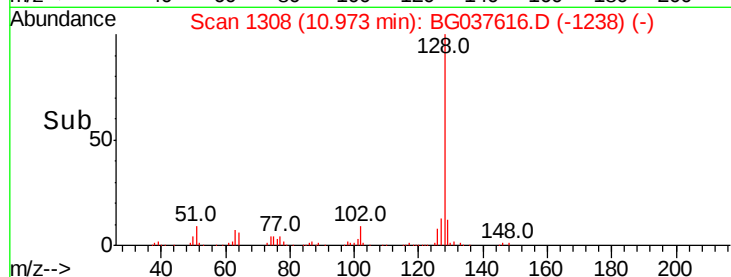
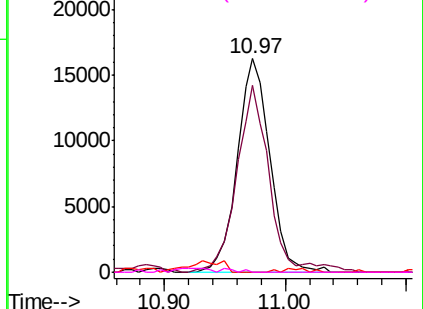
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

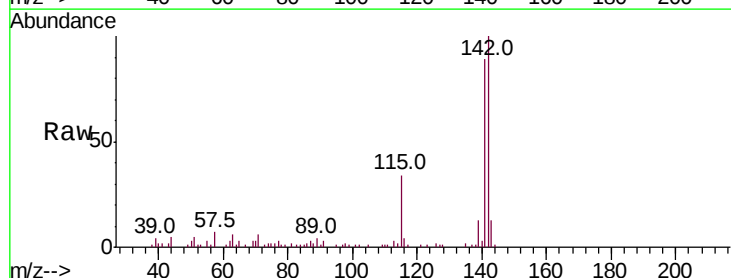
Ion 65.00 (64.70 to 65.70): BG

Ion 92.00 (91.70 to 92.70): BG



#37
2-Methylnaphthalene
Concen: 5.184 ng
RT: 12.57 min Scan# 1580
Delta R.T. -0.01 min
Lab File: BG037616.D
Acq: 29 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.9	107.9
115	34.4	27.8	41.8

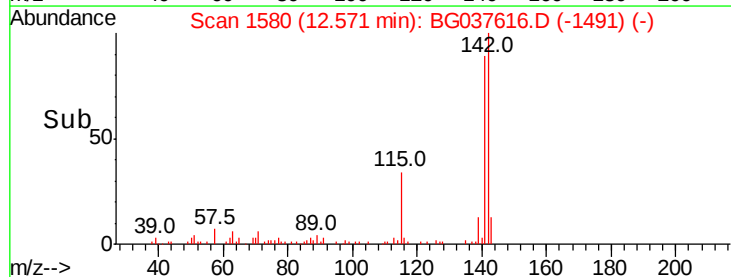
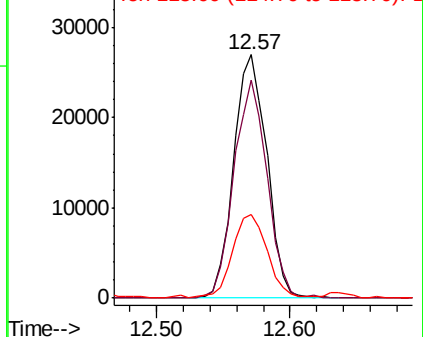


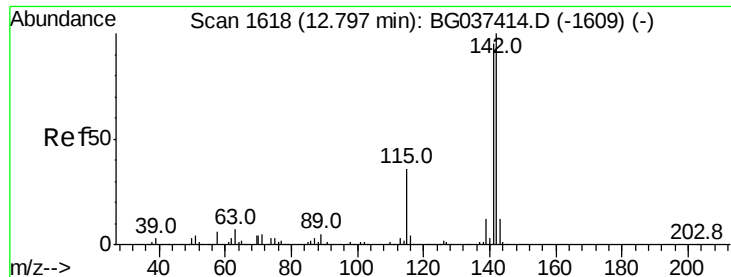
Abundance

Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

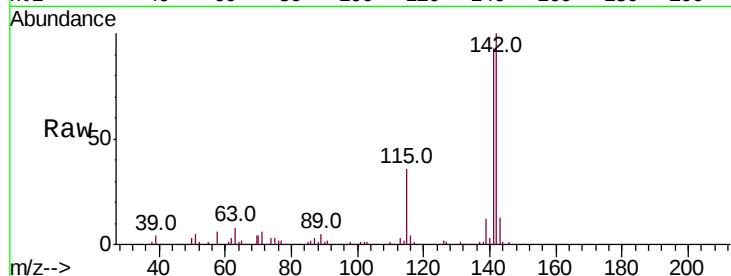




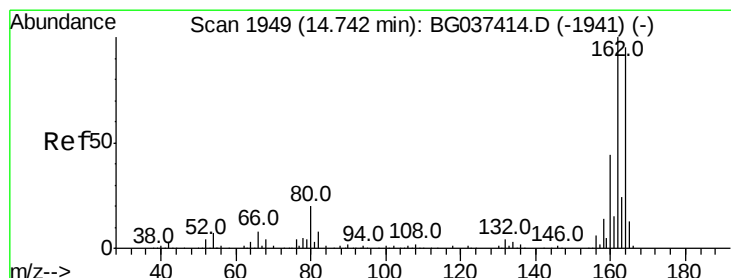
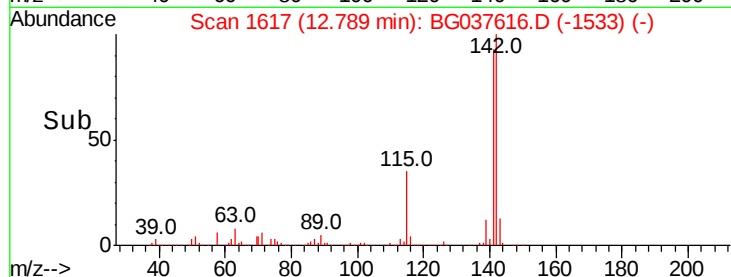
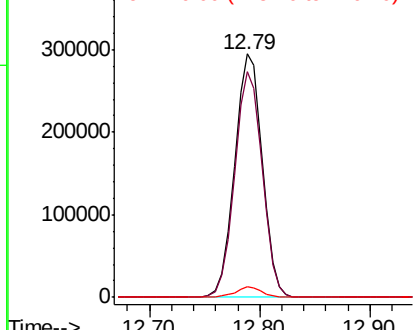
#38
1-Methylnaphthalene
Concen: 59.724 ng
RT: 12.79 min Scan# 1617
Delta R.T. -0.01 min
Lab File: BG037616.D
Acq: 29 Oct 2018 10:39

Instrument :
BNA_G
ClientSampleId :

Tot Ion:142 Resp: 517303
Ion Ratio Lower Upper
142 100
141 92.8 75.2 112.8
116 4.1 3.3 4.9

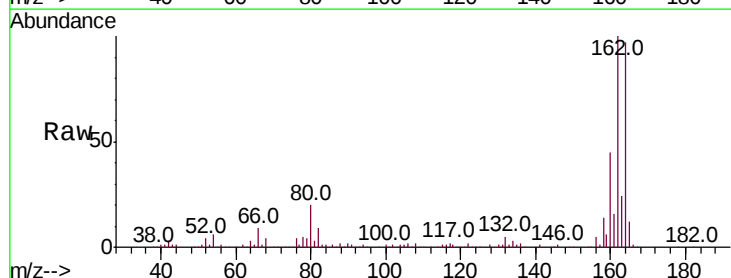


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

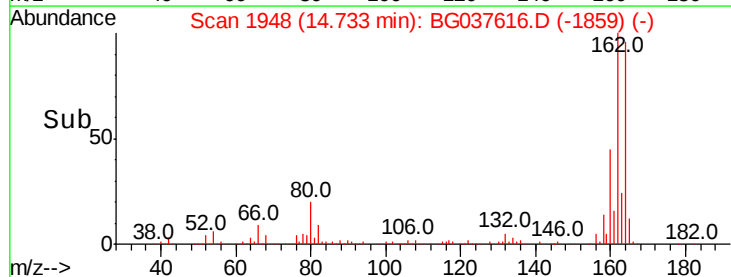
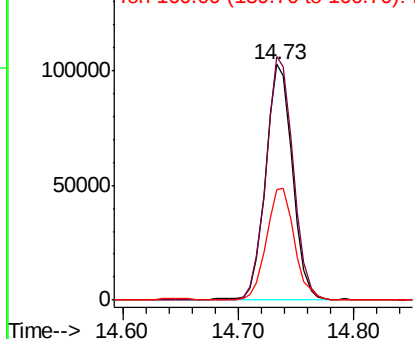


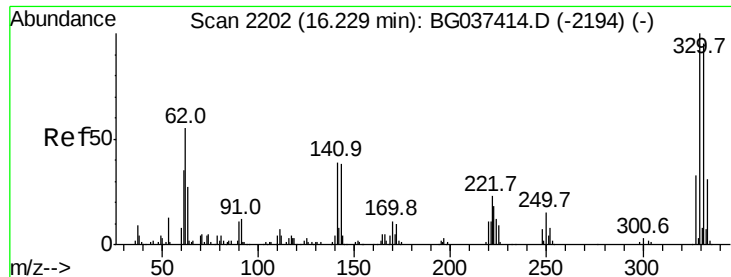
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG037616.D
Acq: 29 Oct 2018 10:39

Tgt Ion:164 Resp: 166942
Ion Ratio Lower Upper
164 100
162 103.4 81.3 121.9
160 46.9 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

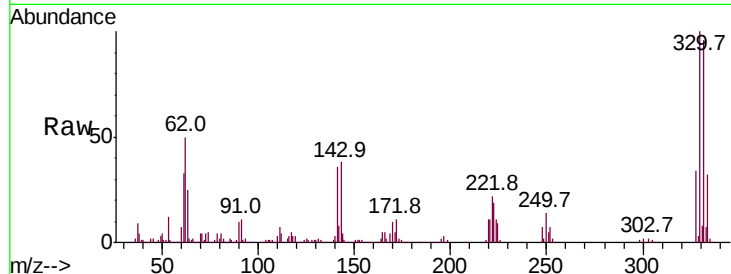




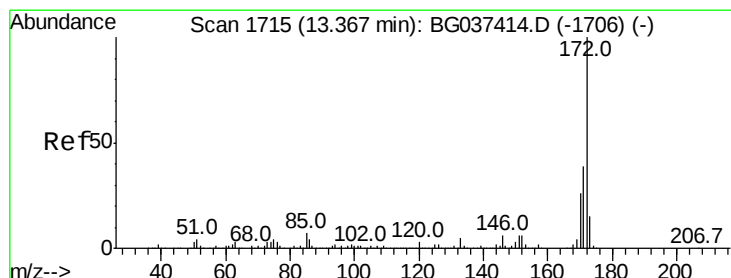
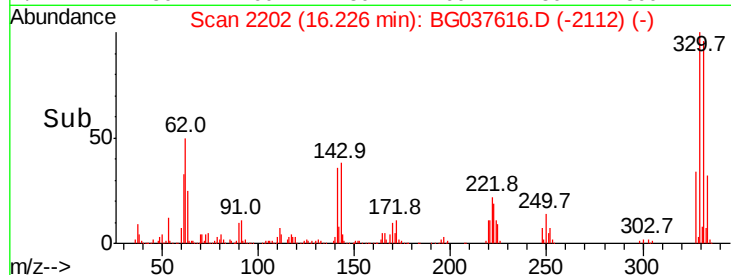
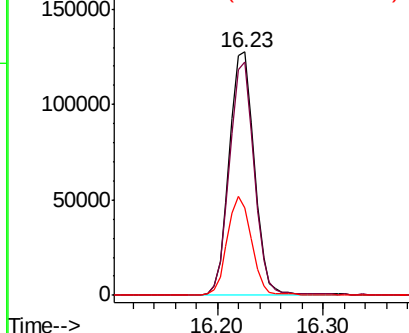
#42
 2,4,6-Tribromophenol
 Concen: 115.396 ng
 RT: 16.23 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BG037616.D
 Acq: 29 Oct 2018 10:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.9	78.4	117.6
141	39.4	32.2	48.2

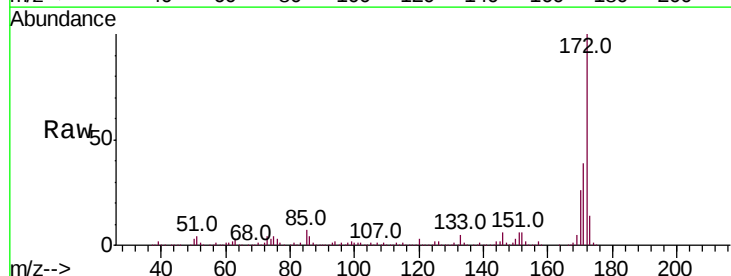


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

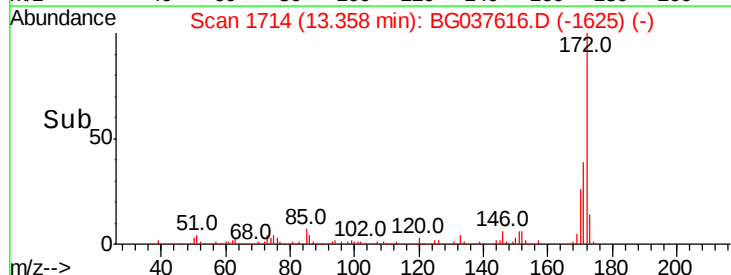
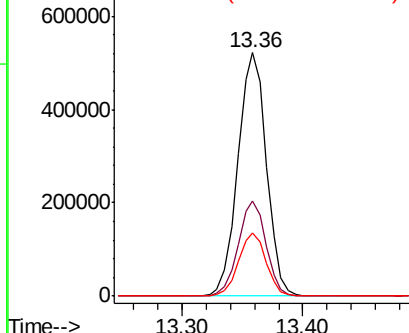


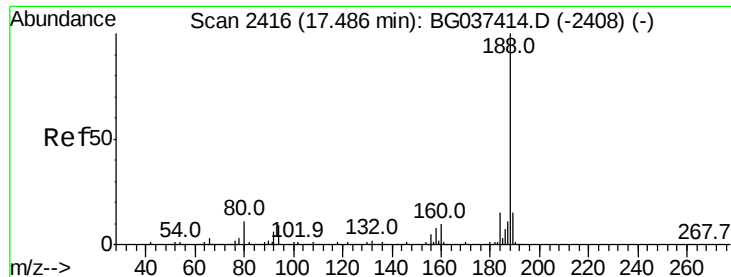
#45
 2-Fluorobiphenyl
 Concen: 77.477 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037616.D
 Acq: 29 Oct 2018 10:39

Tgt Ion	Ratio	Lower	Upper
172	100		
171	39.0	31.0	46.4
170	25.8	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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037616.D

Acq: 29 Oct 2018 10:39

Instrument :

BNA_G

ClientSampleId :

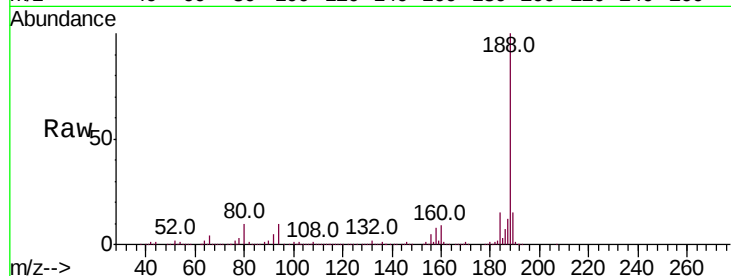
Tot Ion:188 Resp: 403474

Ion Ratio Lower Upper

188 100

94 9.7 7.2 10.8

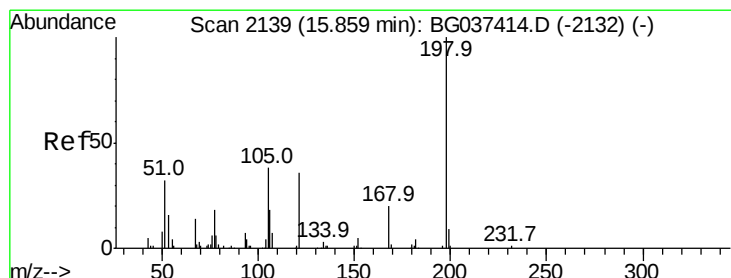
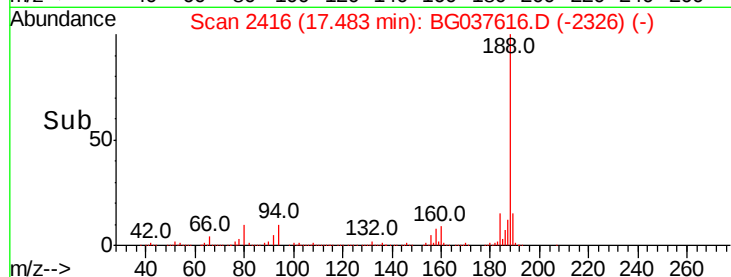
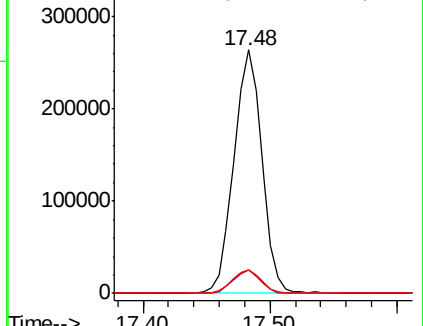
80 9.9 7.7 11.5



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: 8.749 ng

RT: 16.23 min Scan# 2202

Delta R.T. 0.37 min

Lab File: BG037616.D

Acq: 29 Oct 2018 10:39

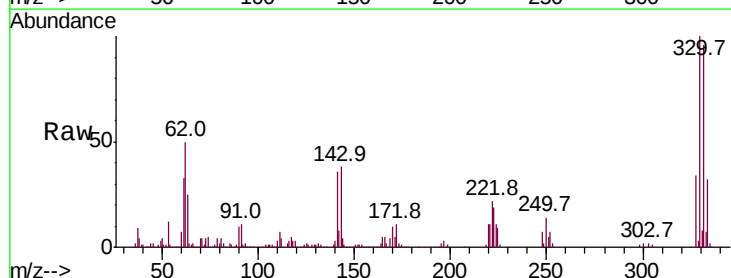
Tgt Ion:198 Resp: 621

Ion Ratio Lower Upper

198 100

51 39.2 22.7 62.7

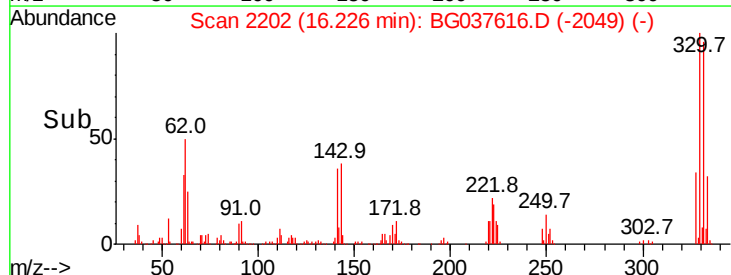
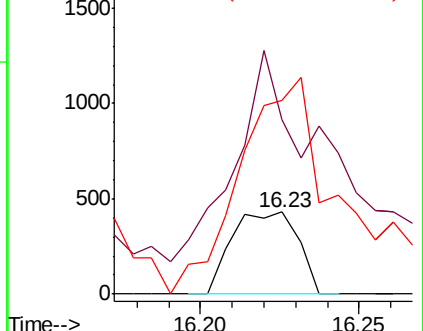
105 43.4 19.7 59.7

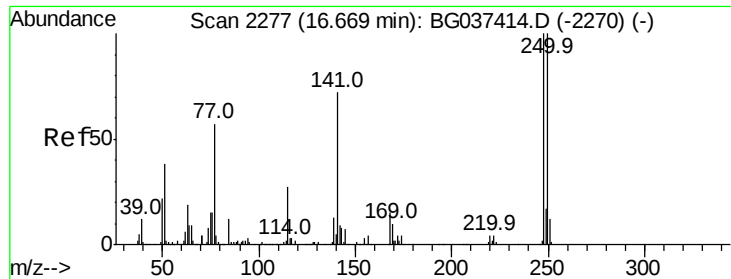


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

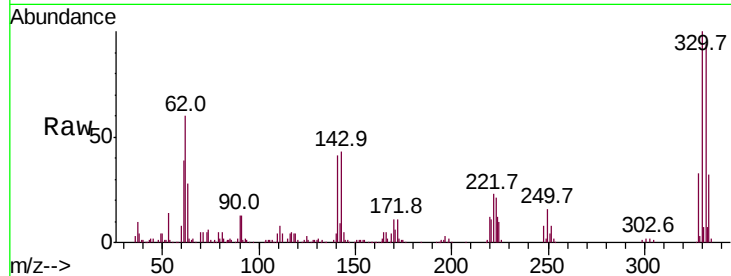




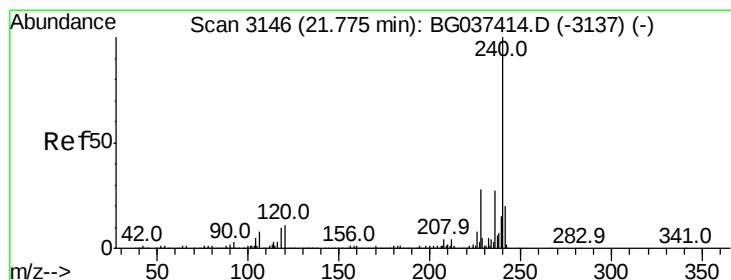
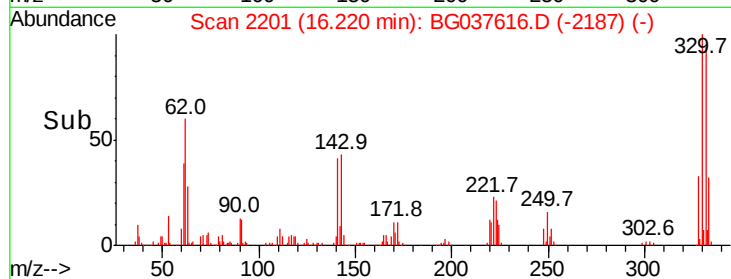
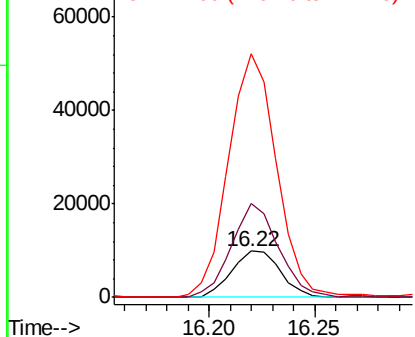
#67
 4-Bromophenyl-phenylether
 Concen: 3.574 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.45 min
 Lab File: BG037616.D
 Acq: 29 Oct 2018 10:39

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 15835
 Ion Ratio Lower Upper
 248 100
 250 198.0 77.0 115.6#
 141 404.2 55.5 83.3#

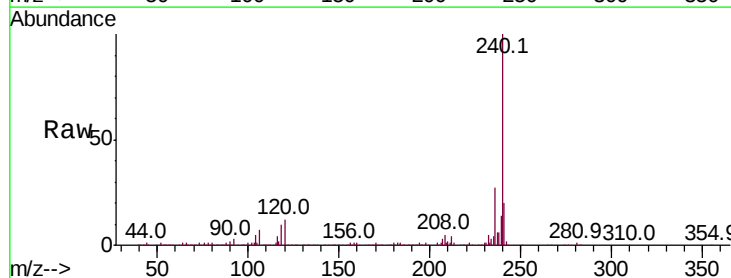


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

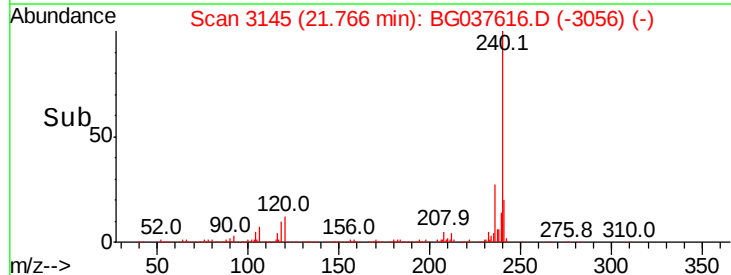
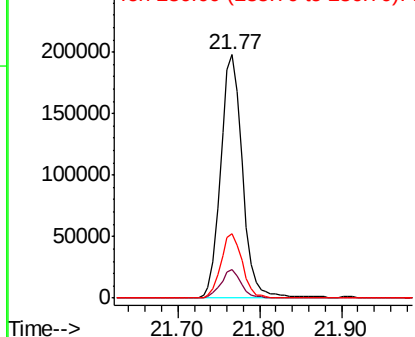


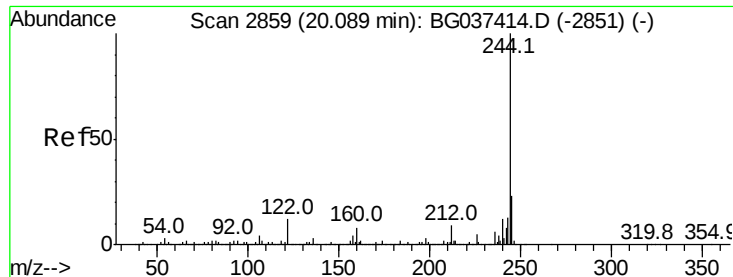
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.77 min Scan# 3145
 Delta R.T. -0.01 min
 Lab File: BG037616.D
 Acq: 29 Oct 2018 10:39

Tgt Ion:240 Resp: 368433
 Ion Ratio Lower Upper
 240 100
 120 11.5 8.1 12.1
 236 26.6 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: 75.111 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037616.D

Acq: 29 Oct 2018 10:39

Instrument :

BNA_G

ClientSampled :

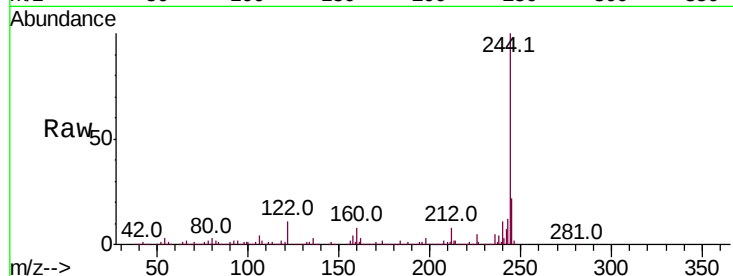
Tot Ion:244 Resp: 1295104

Ion Ratio Lower Upper

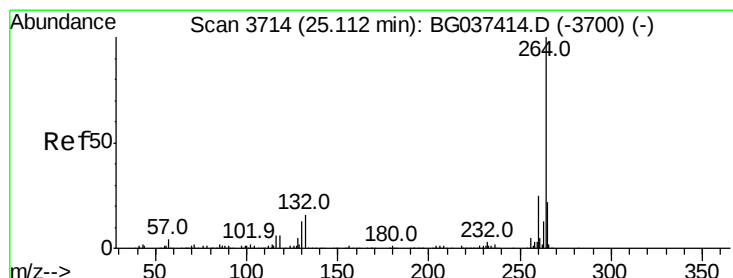
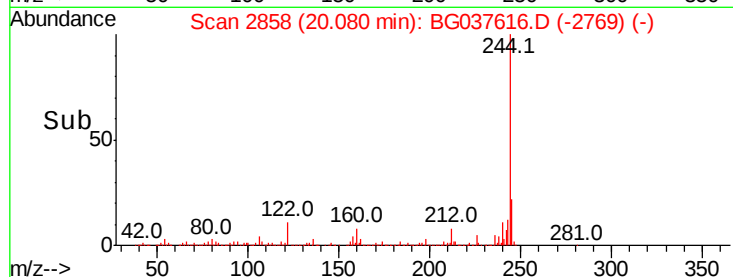
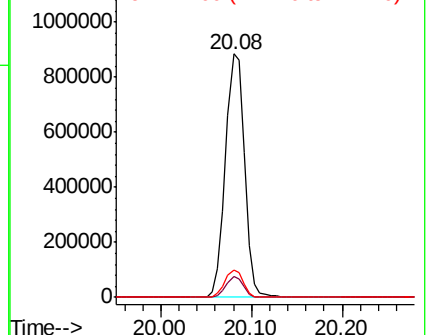
244 100

212 8.3 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

Perylene-d12

Concen: 20.000 ng

RT: 25.10 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG037616.D

Acq: 29 Oct 2018 10:39

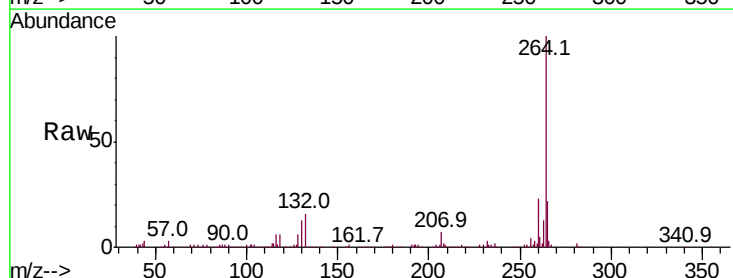
Tgt Ion:264 Resp: 346246

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.4

265 22.0 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

