

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG110118\
 Data File : BG037747.D
 Acq On : 2 Nov 2018 9:31
 Operator : JU/SJ
 Sample : J5741-18
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 02 14:25:15 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

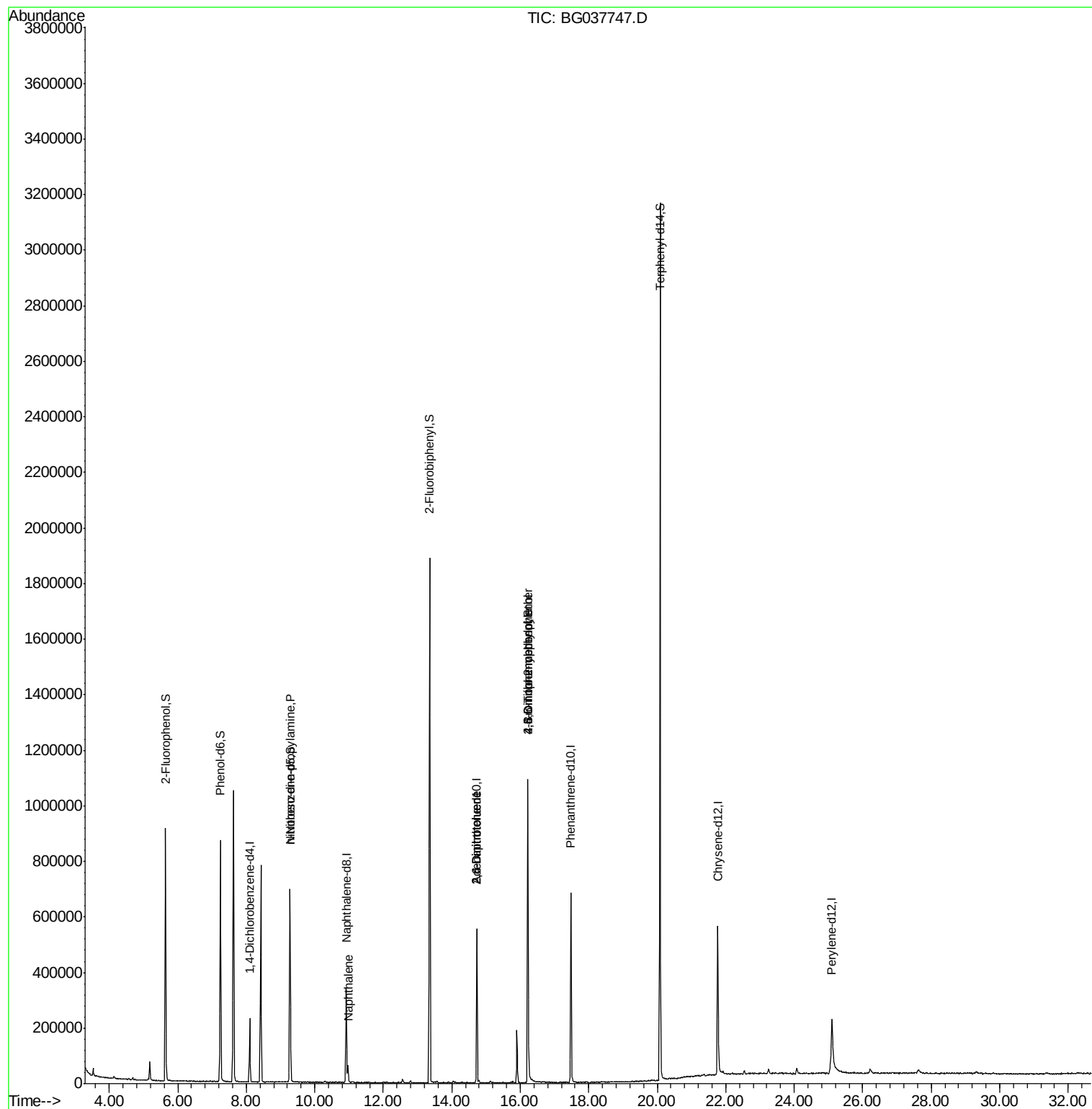
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	68150	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	307496	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	199876	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	439244	20.00	ng	0.00
76) Chrysene-d12	21.77	240	395156	20.00	ng	0.00
87) Perylene-d12	25.10	264	324496	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	442406	108.53	ng	0.00
7) Phenol-d6	7.24	99	562275	91.22	ng	0.00
23) Nitrobenzene-d5	9.27	82	445344	81.13	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	228709	104.91	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	1051405	79.32	ng	-0.02
79) Terphenyl-d14	20.08	244	1536909	83.11	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.27	70	56286	13.261	ng	# 70
31) Naphthalene	10.97	128	53417	3.537	ng	# 98
51) 2,6-Dinitrotoluene	14.73	165	25415	7.430	ng	# 25
57) 2,4-Dinitrotoluene	14.73	165	25415	5.660	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.21	198	659	8.743	ng	# 84
67) 4-Bromophenyl-phenylether	16.22	248	15498	3.213	ng	# 1

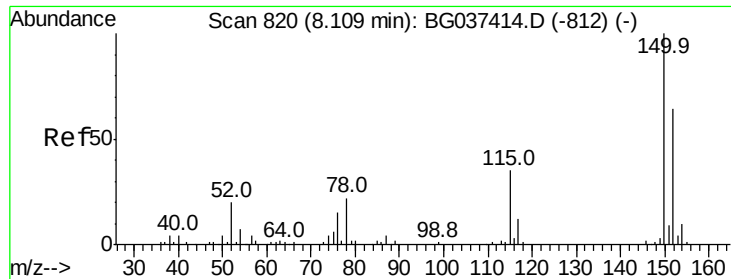
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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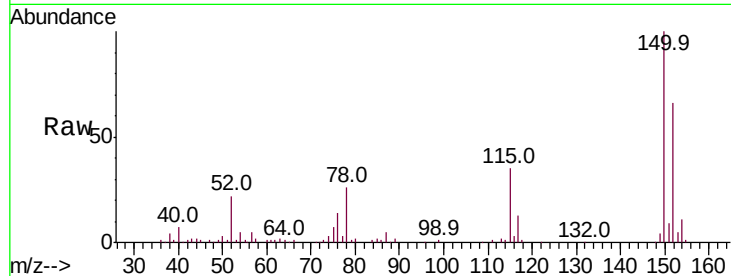


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037747.D
Acq: 2 Nov 2018 9:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	152.3	126.0	189.0
115	53.1	45.5	68.3

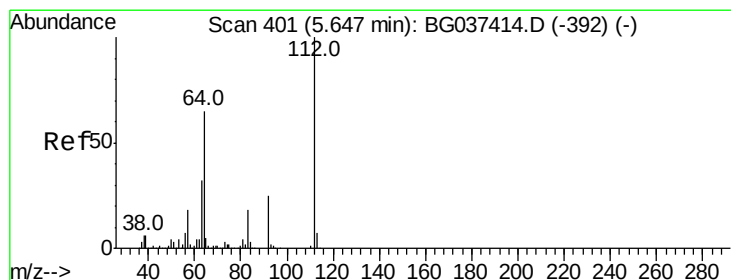
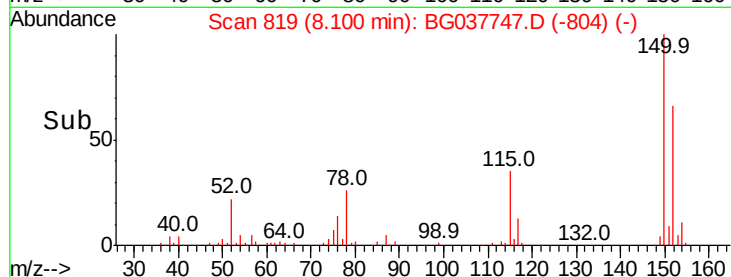
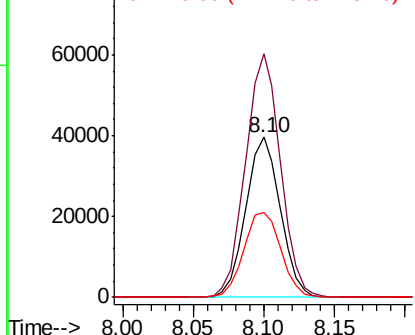


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

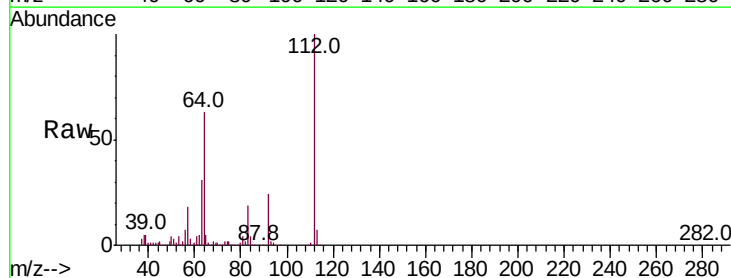
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 108.531 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037747.D
Acq: 2 Nov 2018 9:31

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.9	53.1	79.7
63	31.2	27.3	40.9

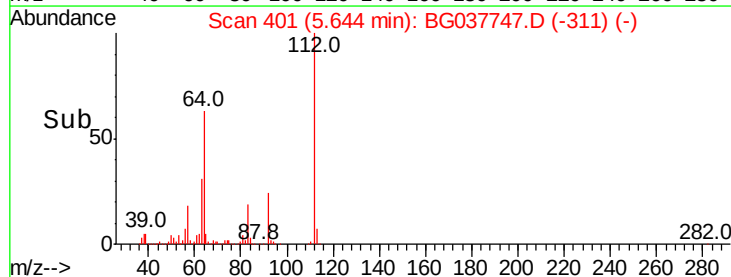
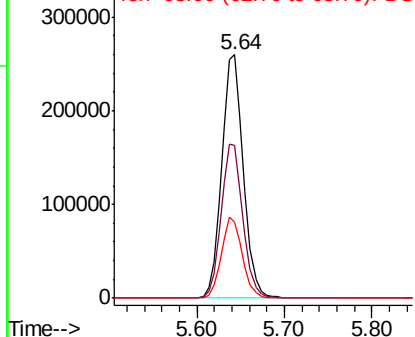


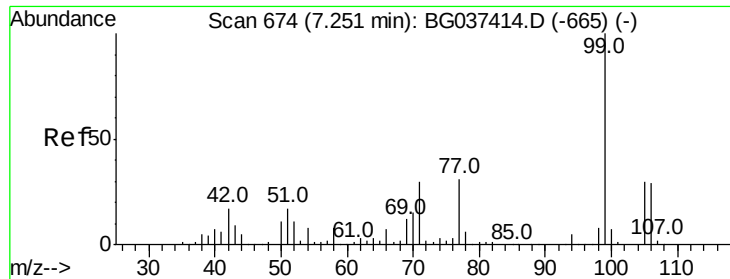
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 91.221 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037747.D

Acq: 2 Nov 2018 9:31

Instrument :

BNA_G

ClientSampleId :

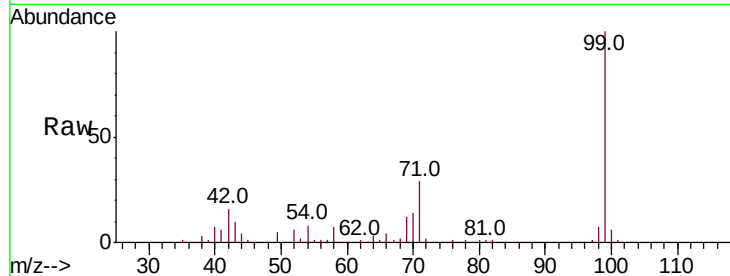
Tot Ion: 99 Resp: 562275

Ion Ratio Lower Upper

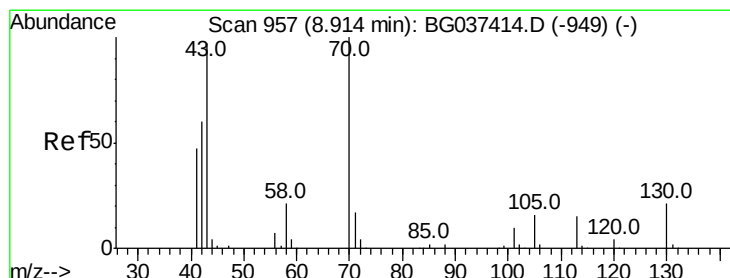
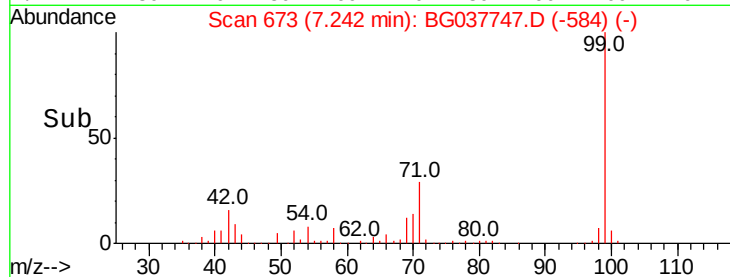
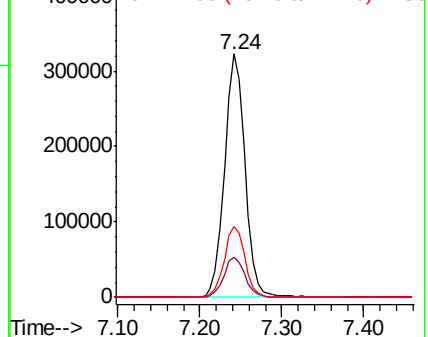
99 100

42 16.4 15.0 22.4

71 29.3 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: 13.261 ng

RT: 9.27 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037747.D

Acq: 2 Nov 2018 9:31

Tgt Ion: 70 Resp: 56286

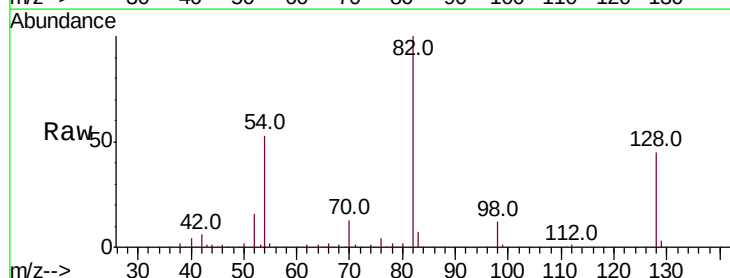
Ion Ratio Lower Upper

70 100

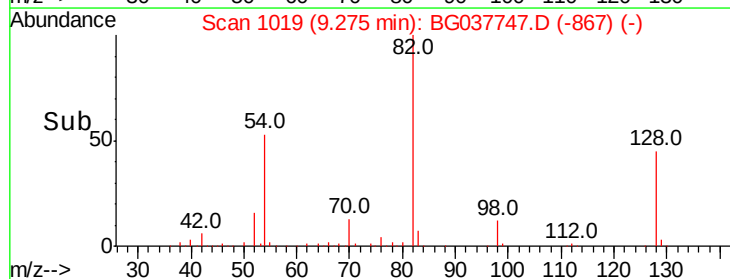
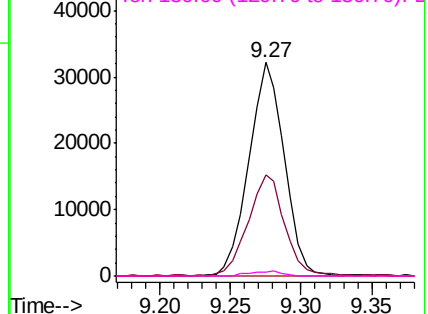
42 47.2 53.9 80.9#

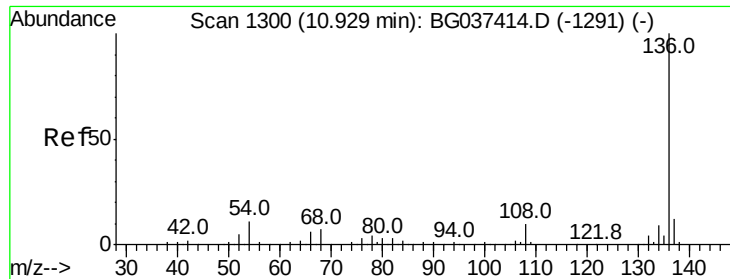
101 0.0 8.2 12.2#

130 1.7 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

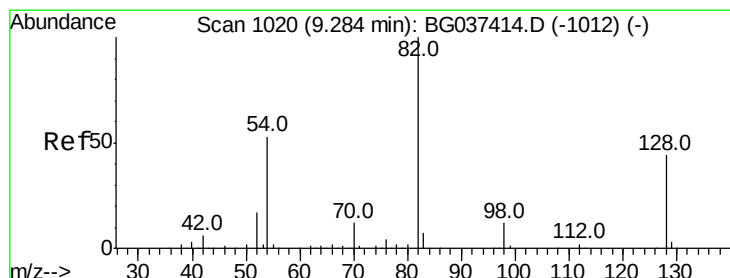
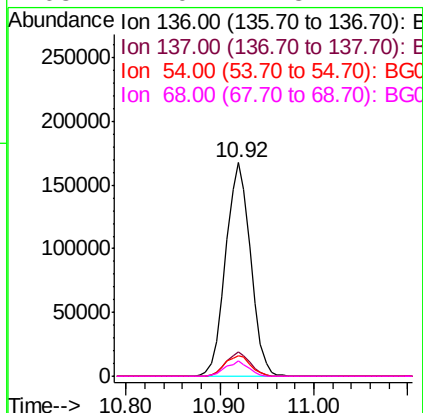
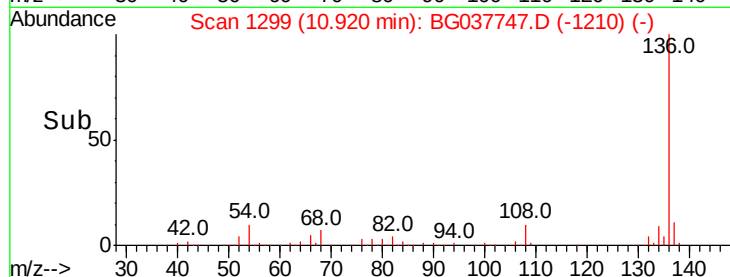
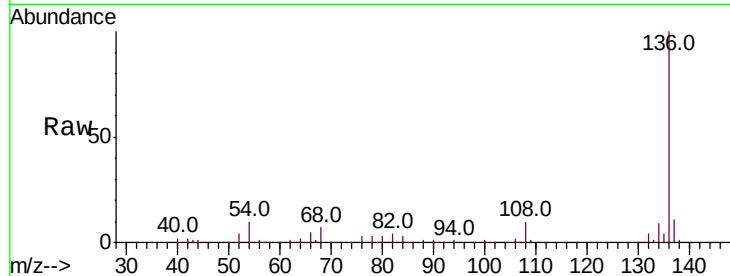




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037747.D
Acq: 2 Nov 2018 9:31

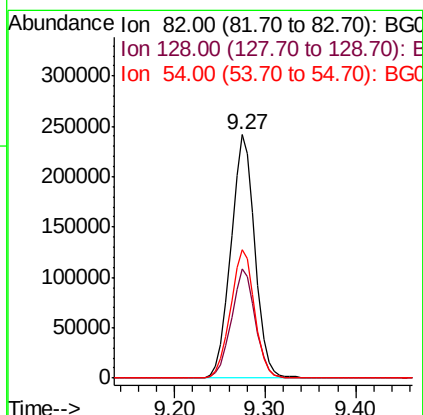
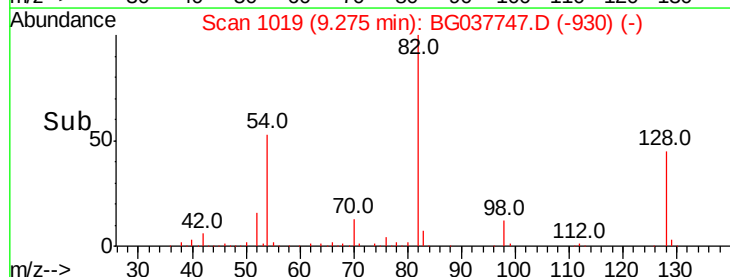
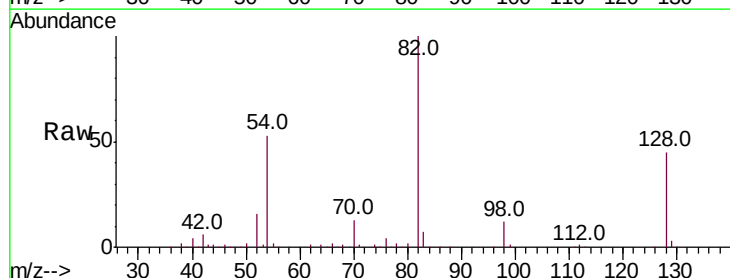
Instrument :
BNA_G
ClientSampleId :

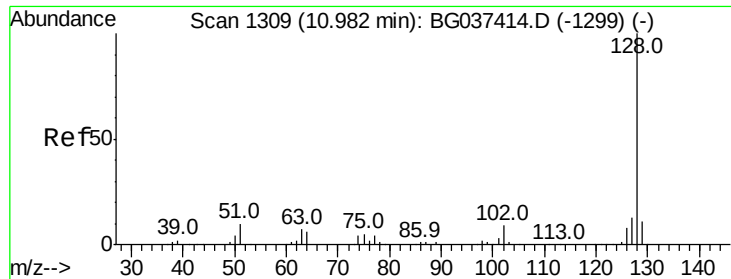
Tot Ion:	136	Resp:	307496
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.6	14.4
54	9.8	7.9	11.9
68	7.0	4.8	7.2



#23
Nitrobenzene-d5
Concen: 81.132 ng
RT: 9.27 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037747.D
Acq: 2 Nov 2018 9:31

Tgt Ion:	82	Resp:	445344
Ion	Ratio	Lower	Upper
82	100		
128	44.9	34.6	51.8
54	52.6	45.3	67.9

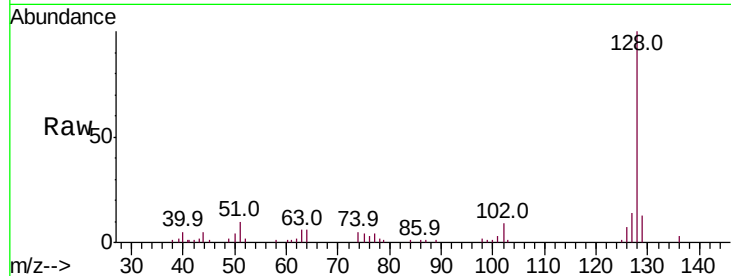




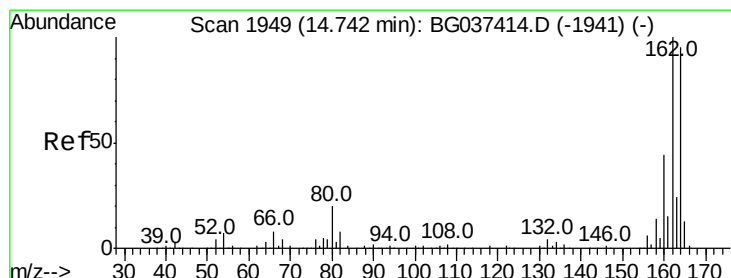
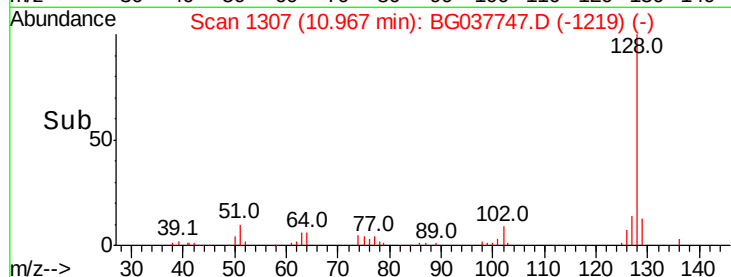
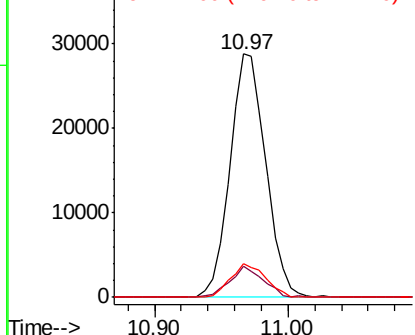
#31
Naphthalene
Concen: 3.537 ng
RT: 10.97 min Scan# 1307
Delta R.T. -0.02 min
Lab File: BG037747.D
Acq: 2 Nov 2018 9:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 53417
Ion Ratio Lower Upper
128 100
129 12.9 9.0 13.6
127 14.0 11.1 16.7

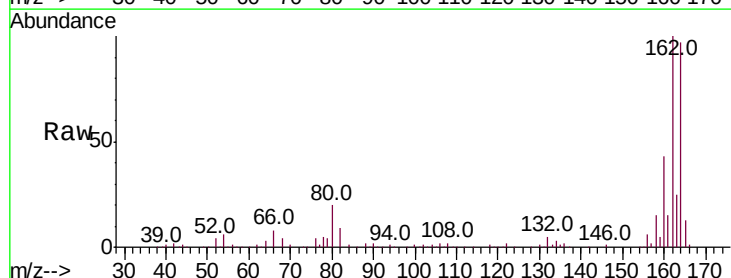


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

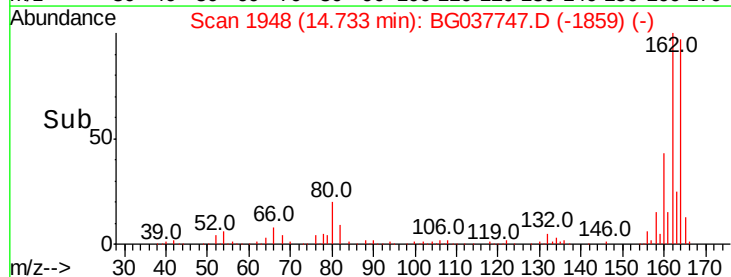
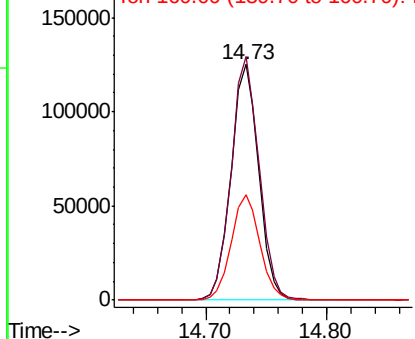


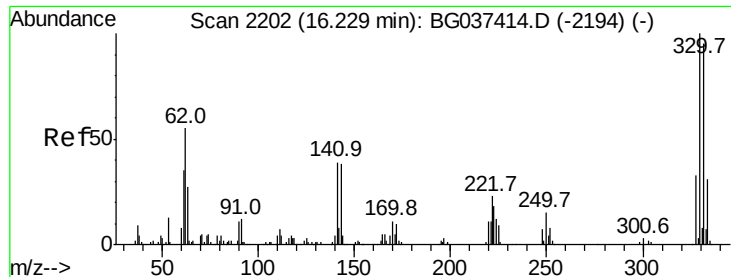
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.73 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG037747.D
Acq: 2 Nov 2018 9:31

Tgt Ion:164 Resp: 199876
Ion Ratio Lower Upper
164 100
162 103.3 81.3 121.9
160 44.7 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: 104.911 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037747.D

Acq: 2 Nov 2018 9:31

Instrument :

BNA_G

ClientSampleId :

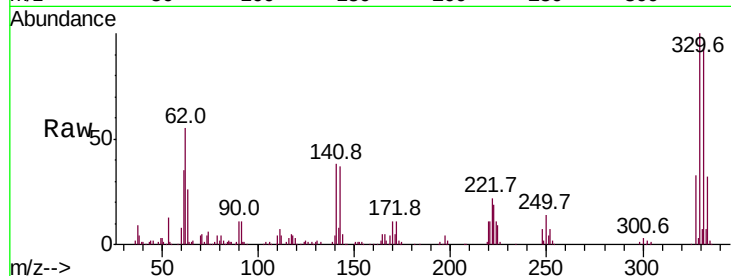
Tot Ion:330 Resp: 228709

Ion Ratio Lower Upper

330 100

332 91.9 78.4 117.6

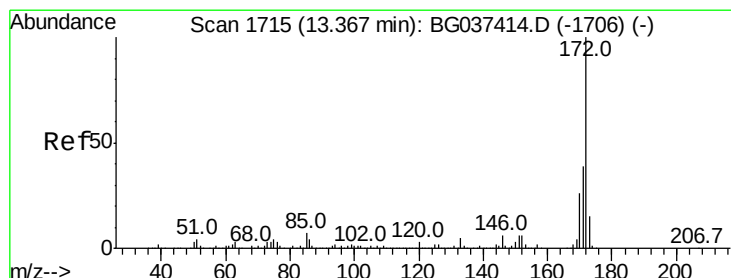
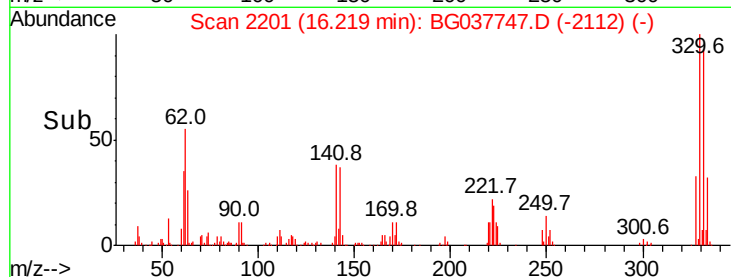
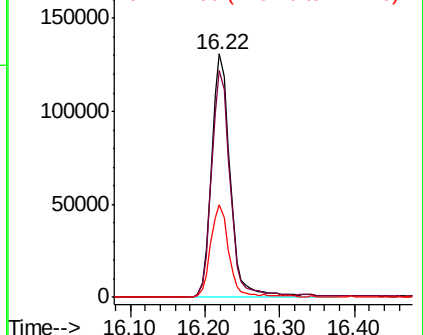
141 36.1 32.2 48.2



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: 79.322 ng

RT: 13.35 min Scan# 1713

Delta R.T. -0.02 min

Lab File: BG037747.D

Acq: 2 Nov 2018 9:31

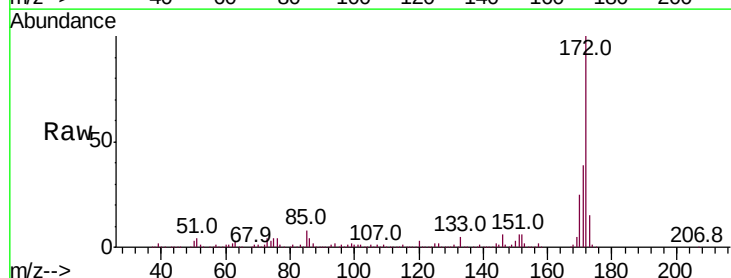
Tgt Ion:172 Resp: 1051405

Ion Ratio Lower Upper

172 100

171 38.7 31.0 46.4

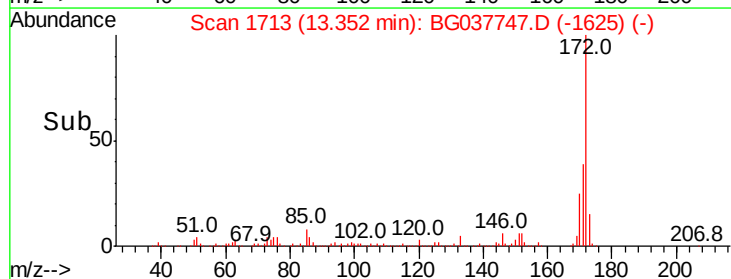
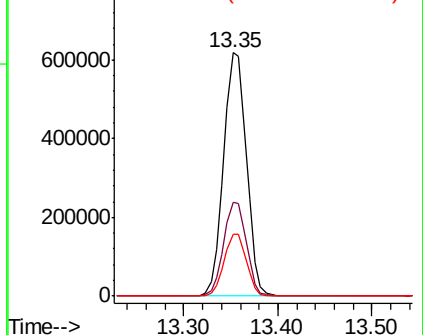
170 25.2 20.2 30.2

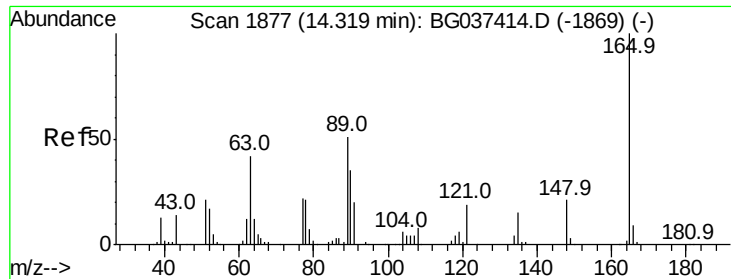


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

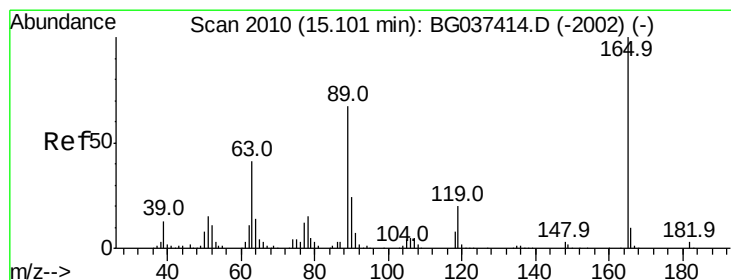
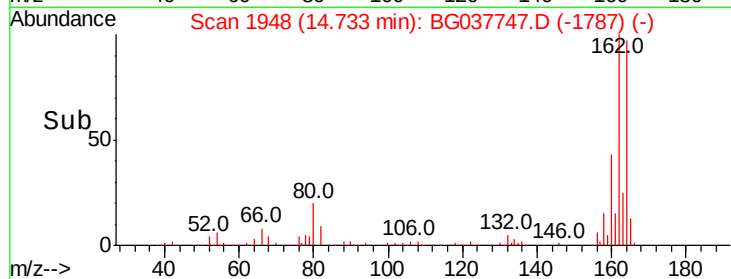
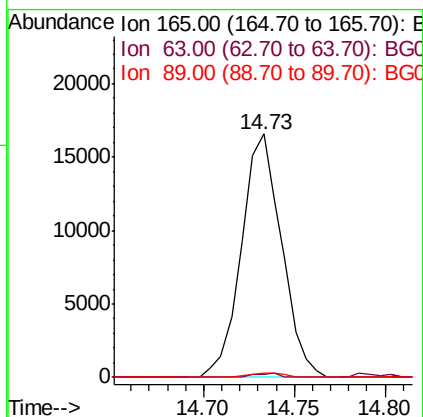
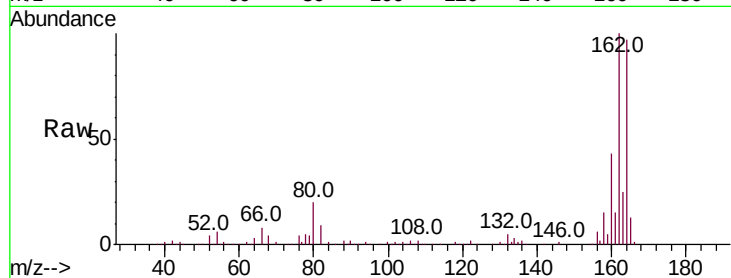




#51
 2,6-Dinitrotoluene
 Concen: 7.430 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037747.D
 Acq: 2 Nov 2018 9:31

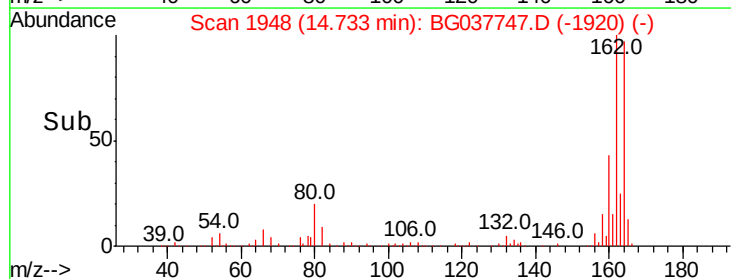
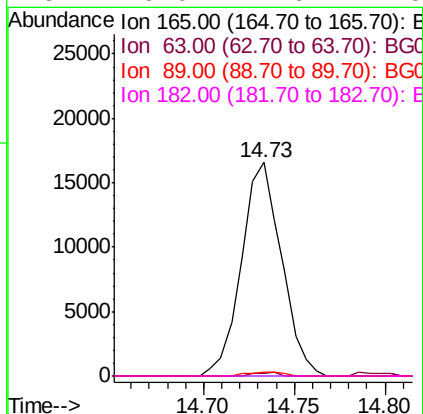
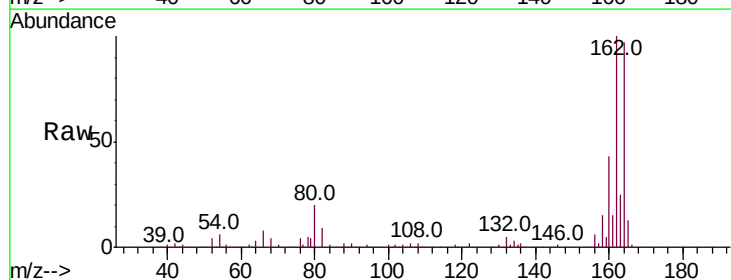
Instrument :
 BNA_G
 ClientSampleId :

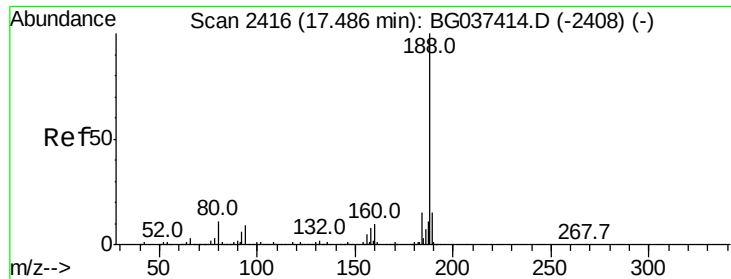
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	43.4	65.2#
89	1.7	45.8	68.6#



#57
 2,4-Dinitrotoluene
 Concen: 5.660 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037747.D
 Acq: 2 Nov 2018 9:31

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.4	50.0#
89	1.7	57.2	85.8#
182	0.0	2.6	4.0#

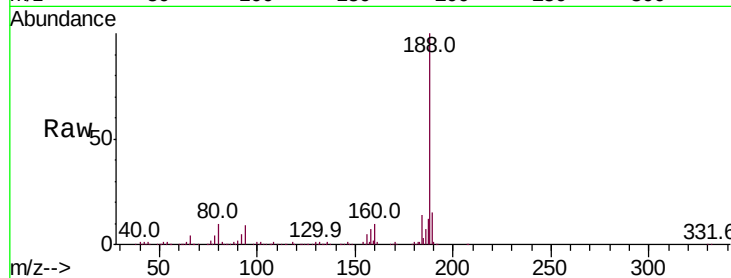




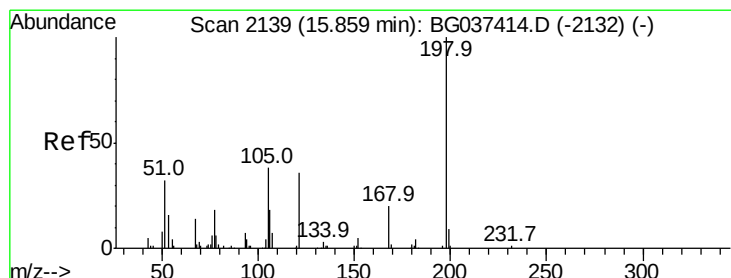
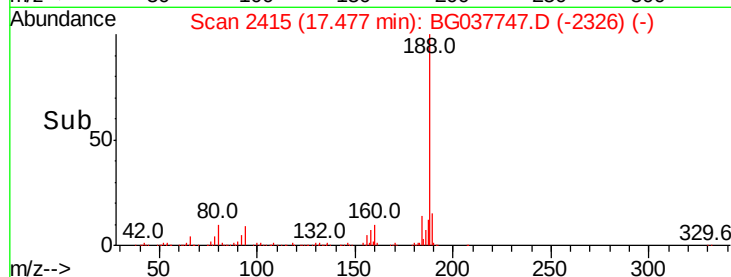
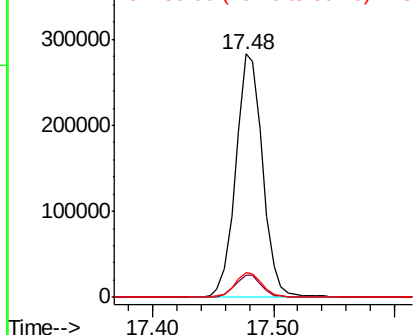
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BG037747.D
Acq: 2 Nov 2018 9:31

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 439244
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 10.0 7.7 11.5

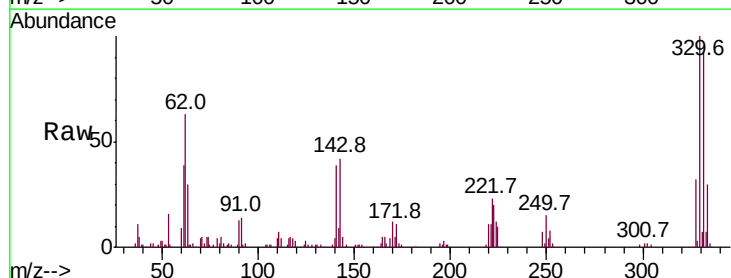


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

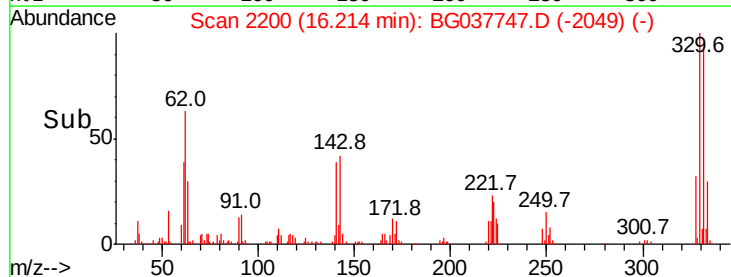
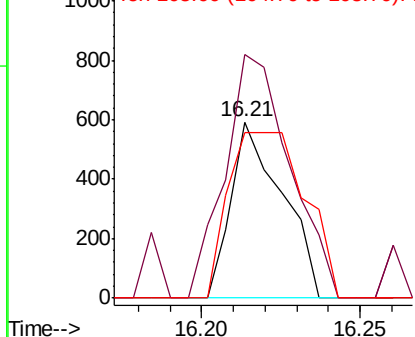


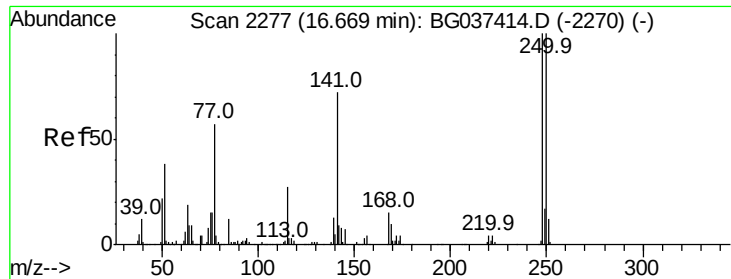
#65
4,6-Dinitro-2-methylphenol
Concen: 8.743 ng
RT: 16.21 min Scan# 2200
Delta R.T. 0.36 min
Lab File: BG037747.D
Acq: 2 Nov 2018 9:31

Tgt Ion:198 Resp: 659
Ion Ratio Lower Upper
198 100
51 37.4 22.7 62.7
105 25.4 19.7 59.7



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





#67

4-Bromophenyl-phenylether

Concen: 3.213 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037747.D

Acq: 2 Nov 2018 9:31

Instrument :

BNA_G

ClientSampleId :

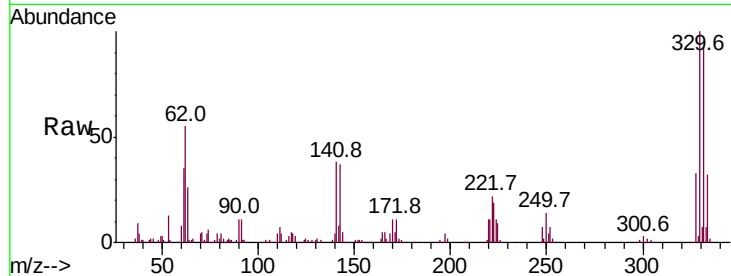
Tot Ion:248 Resp: 15498

Ion Ratio Lower Upper

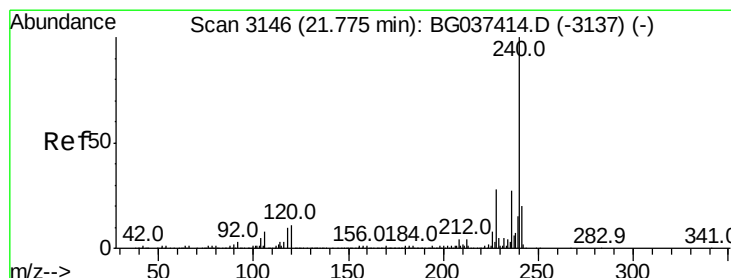
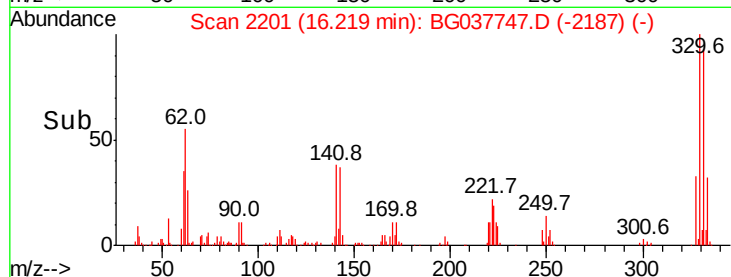
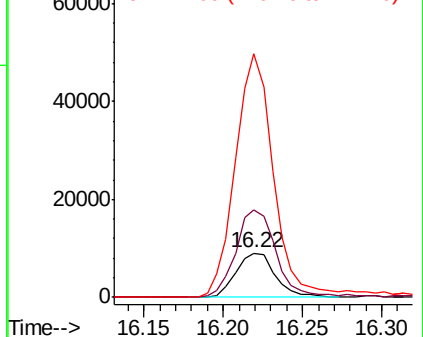
248 100

250 194.4 77.0 115.6#

141 416.1 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: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037747.D

Acq: 2 Nov 2018 9:31

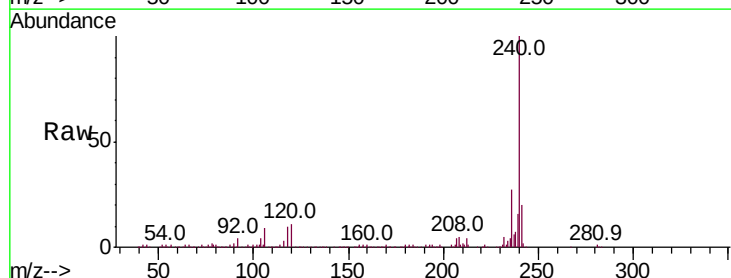
Tgt Ion:240 Resp: 395156

Ion Ratio Lower Upper

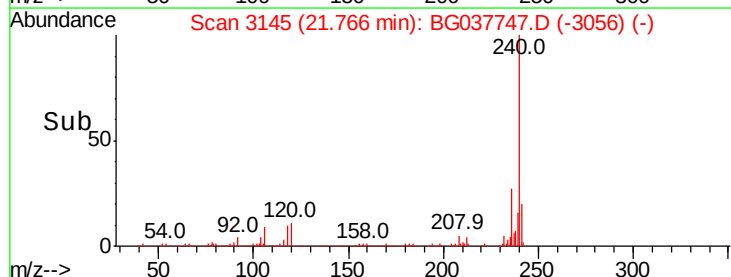
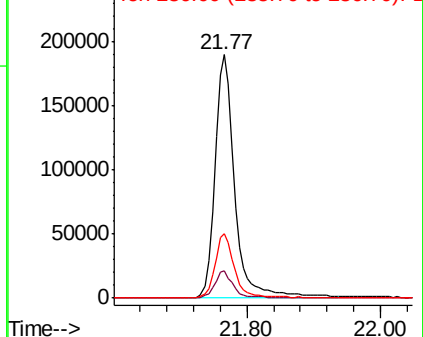
240 100

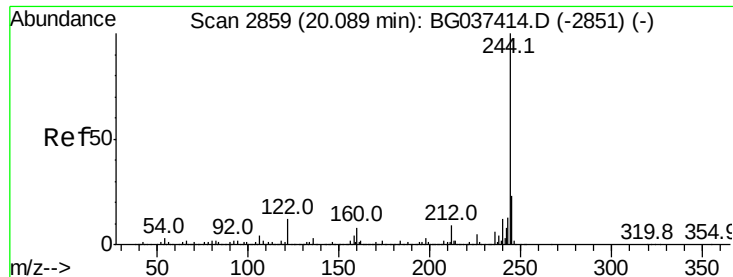
120 11.1 8.1 12.1

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: 83.107 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037747.D

Acq: 2 Nov 2018 9:31

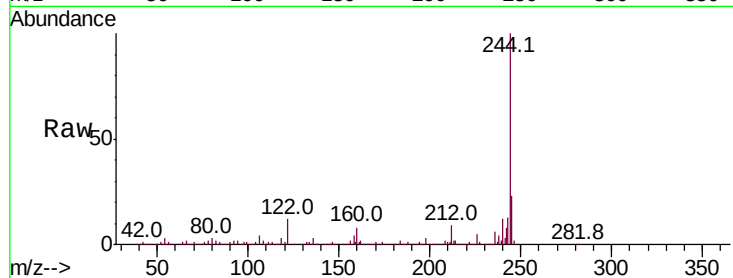
Instrument :

BNA_G

ClientSampled :

Tot Ion:244 Resp: 1536909

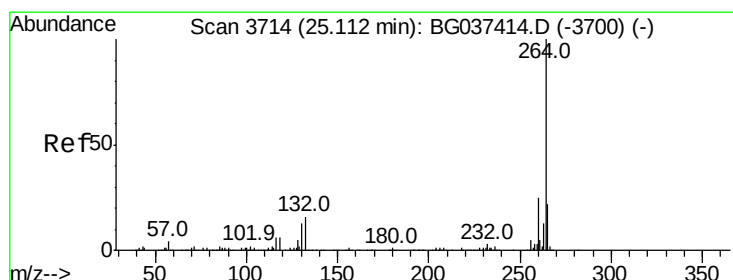
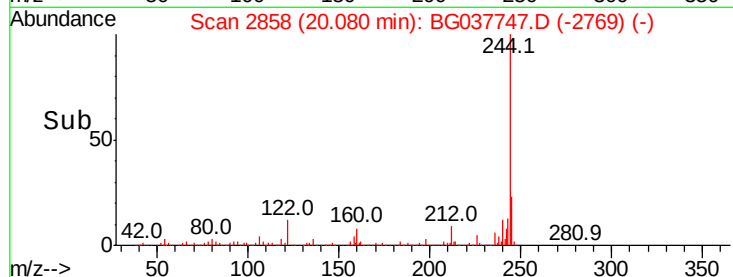
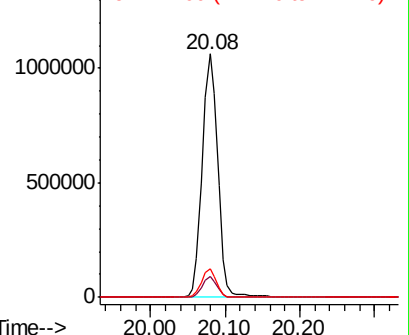
Ion	Ratio	Lower	Upper
244	100		
212	8.6	6.5	9.7
122	11.9	9.0	13.4



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

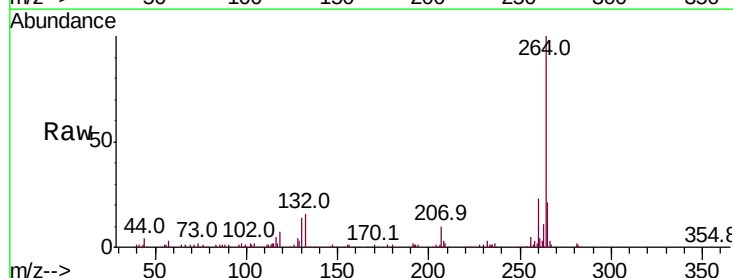
Delta R.T. -0.02 min

Lab File: BG037747.D

Acq: 2 Nov 2018 9:31

Tgt Ion:264 Resp: 324496

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.2	27.4
265	20.9	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

