

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102318\
 Data File : BG037497.D
 Acq On : 24 Oct 2018 5:43
 Operator : JU/SJ
 Sample : J5603-09
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 24 09:09:59 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

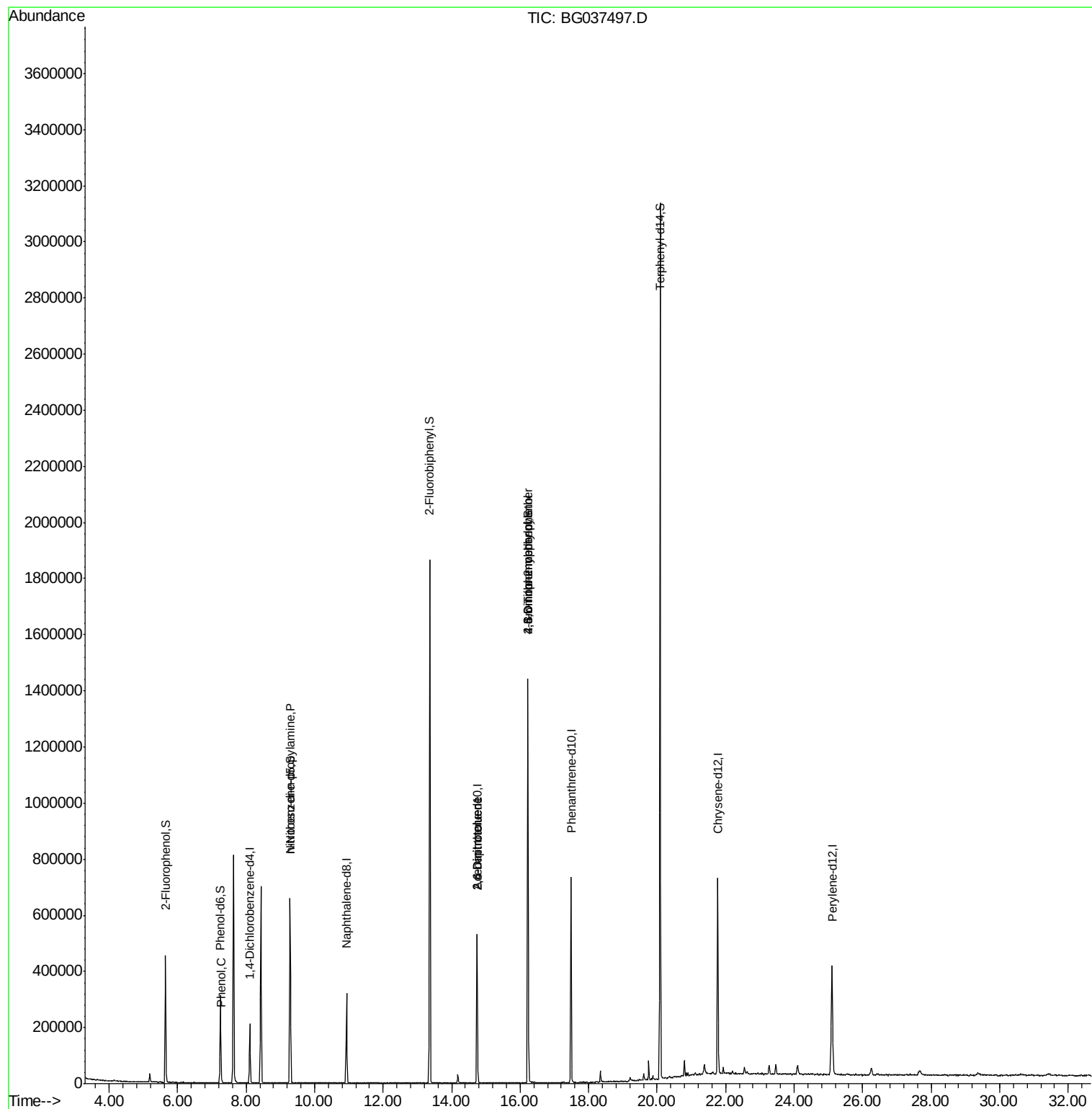
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.11	152	63823	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	287823	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	194317	20.00	ng	0.00
64) Phenanthrene-d10	17.49	188	460951	20.00	ng	0.00
76) Chrysene-d12	21.77	240	416196	20.00	ng	0.00
87) Perylene-d12	25.11	264	418581	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.65	112	212302	55.61	ng	0.00
7) Phenol-d6	7.25	99	195686	33.90	ng	0.00
23) Nitrobenzene-d5	9.28	82	412101	80.21	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	260038	122.69	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	992433	77.02	ng	0.00
79) Terphenyl-d14	20.08	244	1495396	76.77	ng	0.00
Target Compounds						
10) Phenol	7.27	94	12186	2.001	ng	90
19) n-Nitroso-di-n-propylamine	9.28	70	51568	12.973	ng	# 70
51) 2,6-Dinitrotoluene	14.74	165	25087	7.544	ng	# 25
57) 2,4-Dinitrotoluene	14.74	165	25087	5.747	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.23	198	847	8.796	ng	75
67) 4-Bromophenyl-phenylether	16.22	248	19141	3.781	ng	# 1

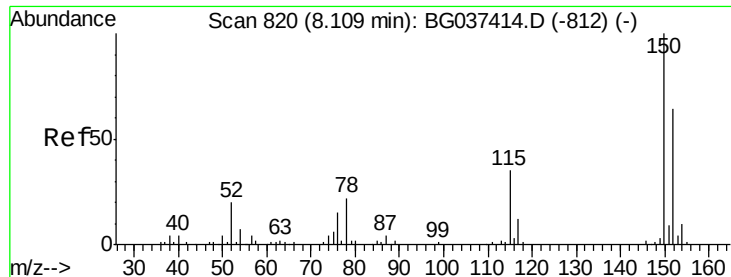
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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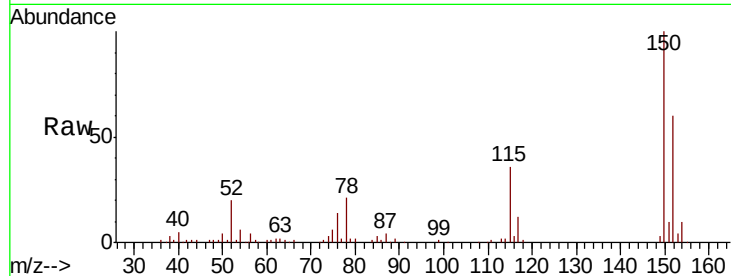


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037497.D
Acq: 24 Oct 2018 5:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.7	126.0	189.0
115	59.5	45.5	68.3

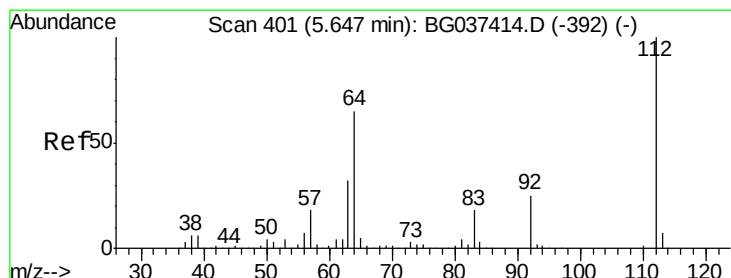
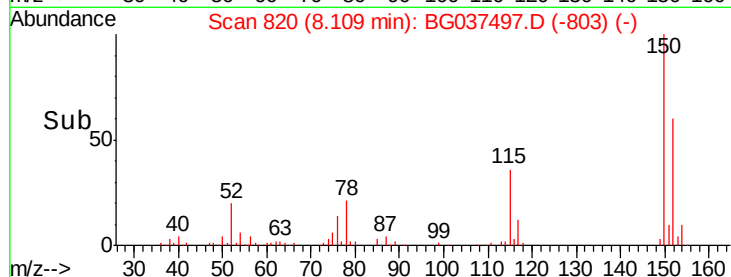
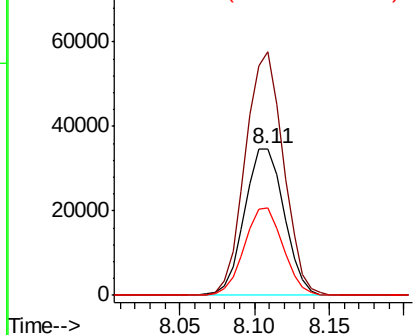


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

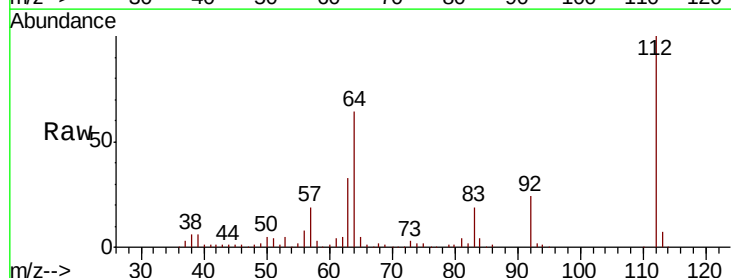
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 55.613 ng
RT: 5.65 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037497.D
Acq: 24 Oct 2018 5:43

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.4	53.1	79.7
63	32.7	27.3	40.9

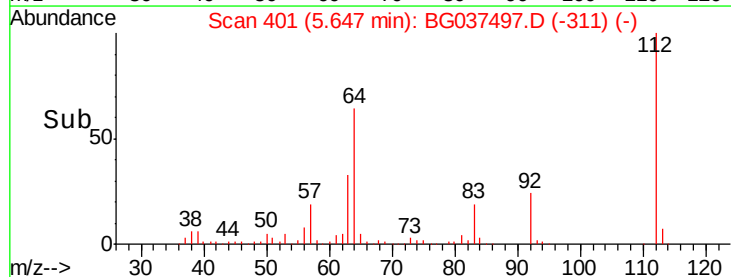
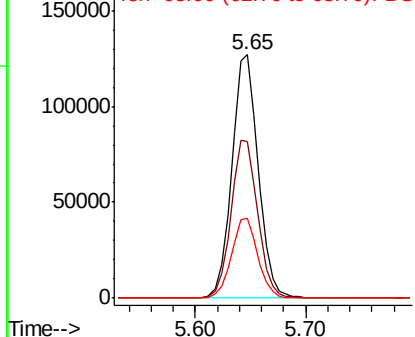


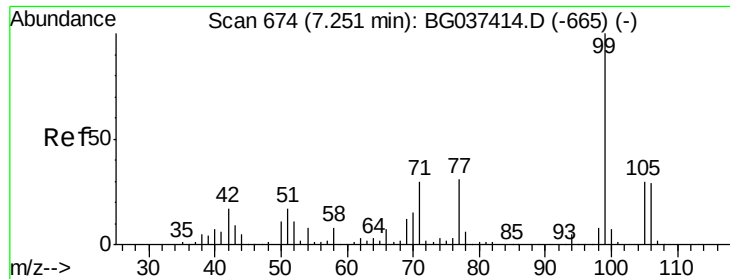
Abundance

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: 33.899 ng

RT: 7.25 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037497.D

Acq: 24 Oct 2018 5:43

Instrument :

BNA_G

ClientSampled :

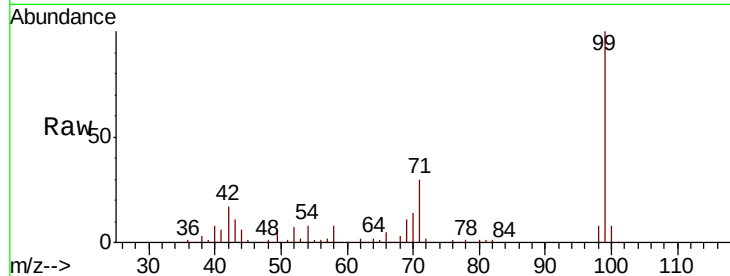
Tot Ion: 99 Resp: 195686

Ion Ratio Lower Upper

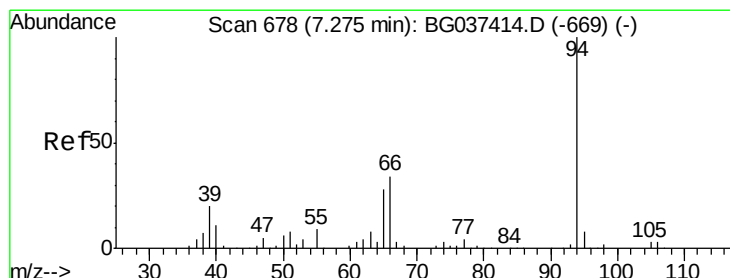
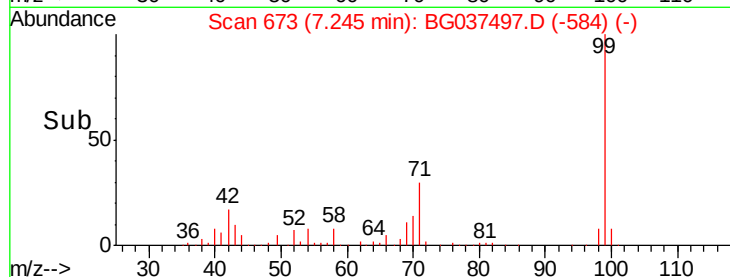
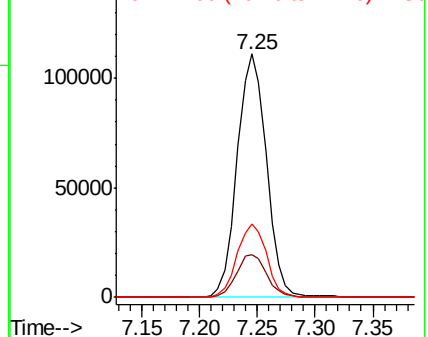
99 100

42 17.3 15.0 22.4

71 30.0 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: 2.001 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037497.D

Acq: 24 Oct 2018 5:43

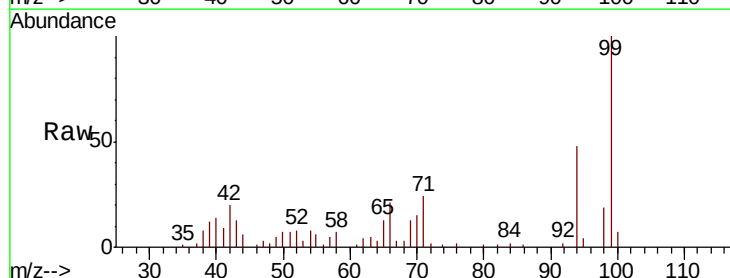
Tgt Ion: 94 Resp: 12186

Ion Ratio Lower Upper

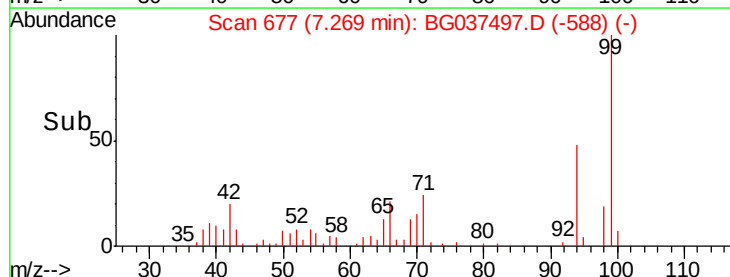
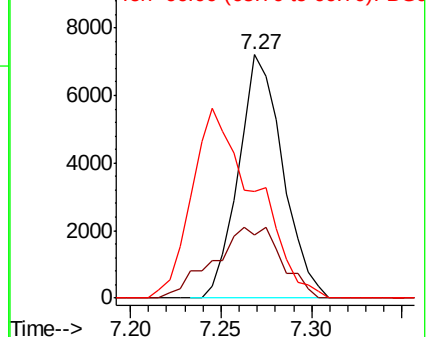
94 100

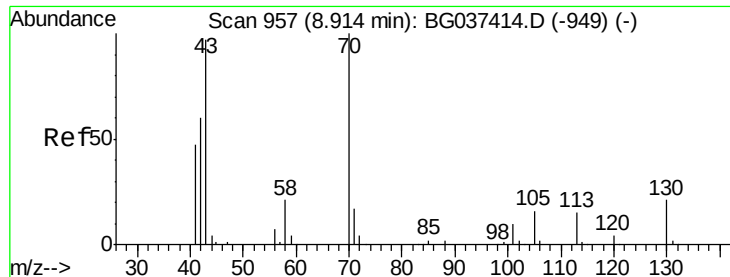
65 25.8 9.7 49.7

66 43.6 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

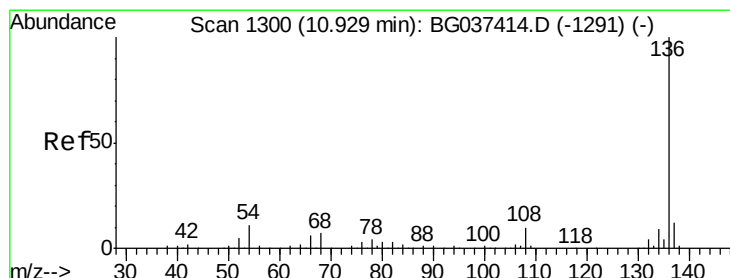
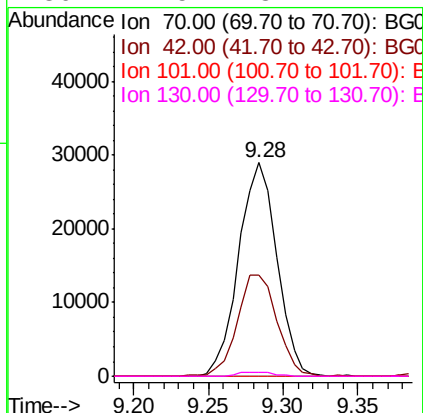
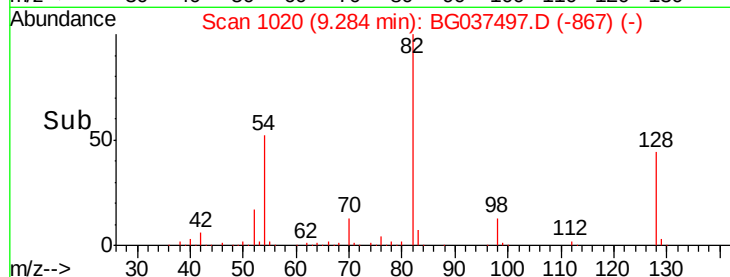
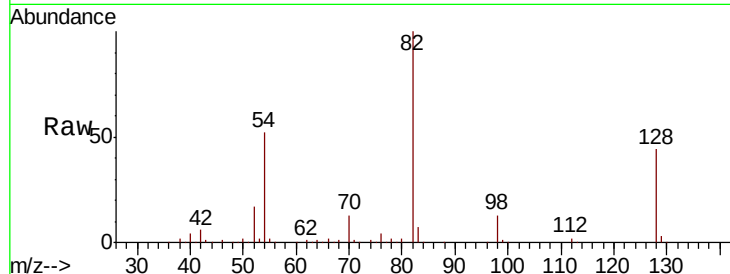




#19
n-Nitroso-di-n-propylamine
Concen: 12.973 ng
RT: 9.28 min Scan# 1020
Delta R.T. 0.37 min
Lab File: BG037497.D
Acq: 24 Oct 2018 5:43

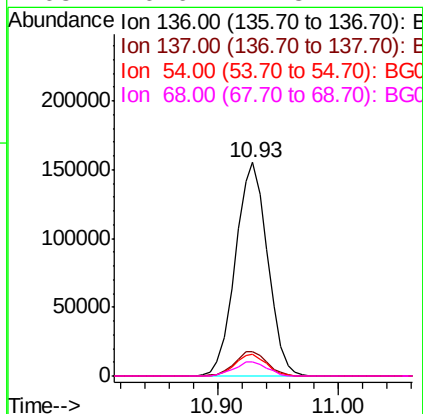
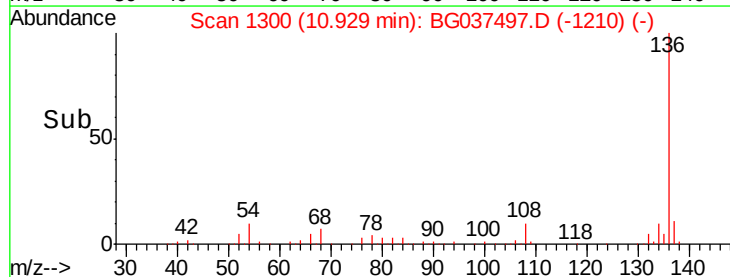
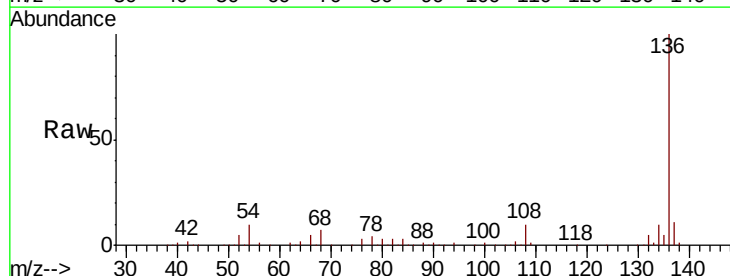
Instrument :
BNA_G
ClientSampleId :

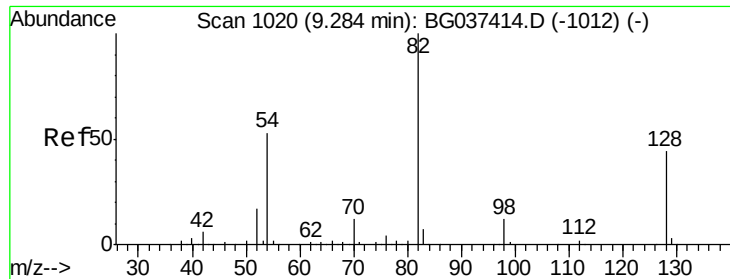
Tot Ion: 70 Resp: 51568
Ion Ratio Lower Upper
70 100
42 47.2 53.9 80.9#
101 0.0 8.2 12.2#
130 1.5 18.2 27.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1300
Delta R.T. -0.00 min
Lab File: BG037497.D
Acq: 24 Oct 2018 5:43

Tgt Ion: 136 Resp: 287823
Ion Ratio Lower Upper
136 100
137 11.3 9.6 14.4
54 10.4 7.9 11.9
68 6.6 4.8 7.2

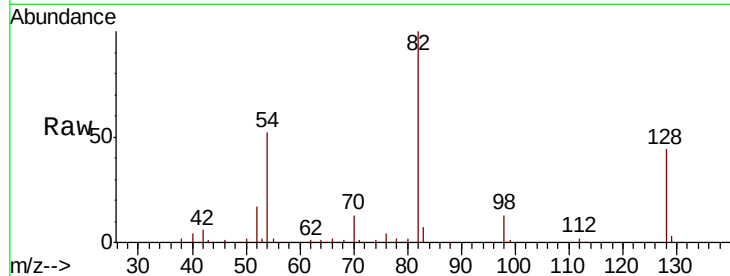




#23
Nitrobenzene-d5
Concen: 80.207 ng
RT: 9.28 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BG037497.D
Acq: 24 Oct 2018 5:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion	82	Resp	412101
Ion Ratio	100	Lower	Upper
128	43.9	34.6	51.8
54	52.5	45.3	67.9

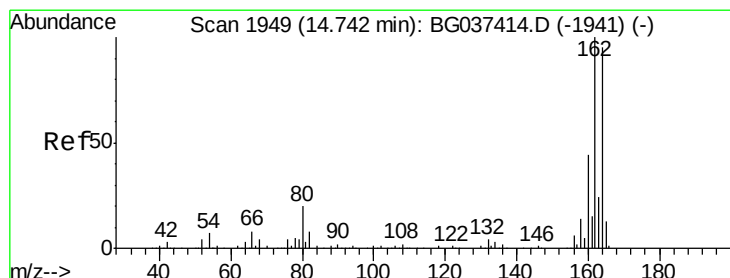
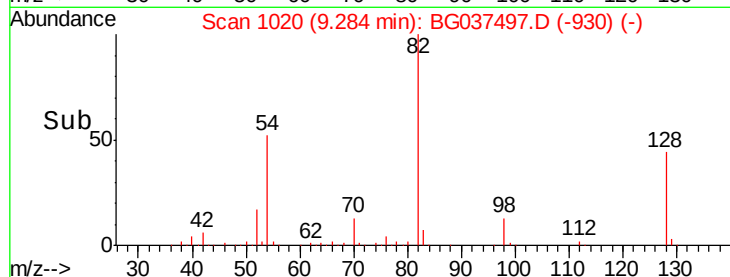
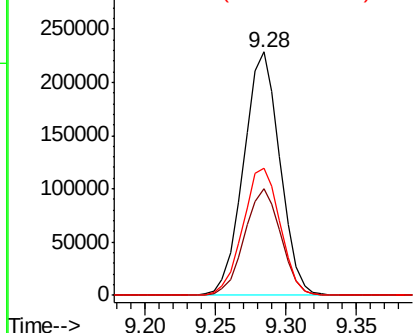


Abundance

Ion 82.00 (81.70 to 82.70): BGC

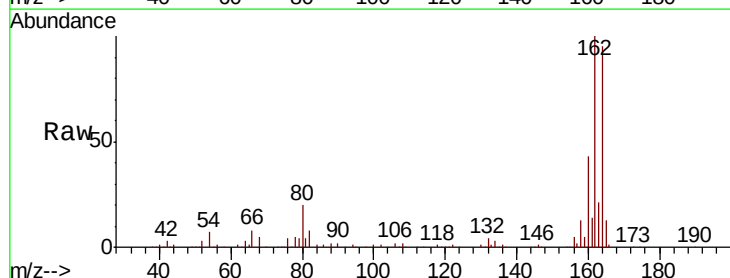
Ion 128.00 (127.70 to 128.70): BGC

Ion 54.00 (53.70 to 54.70): BGC



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.74 min Scan# 1948
Delta R.T. -0.01 min
Lab File: BG037497.D
Acq: 24 Oct 2018 5:43

Tgt Ion	164	Resp	194317
Ion Ratio	100	Lower	Upper
162	105.3	81.3	121.9
160	45.1	36.3	54.5

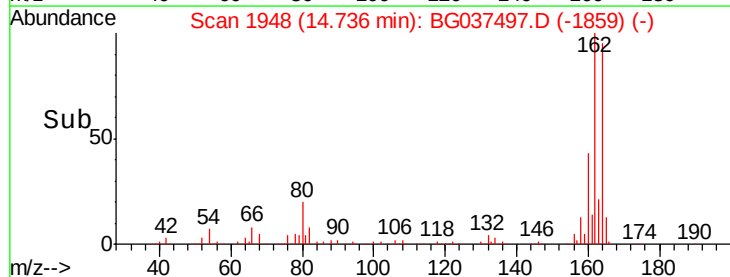
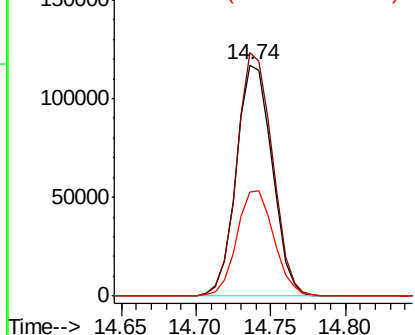


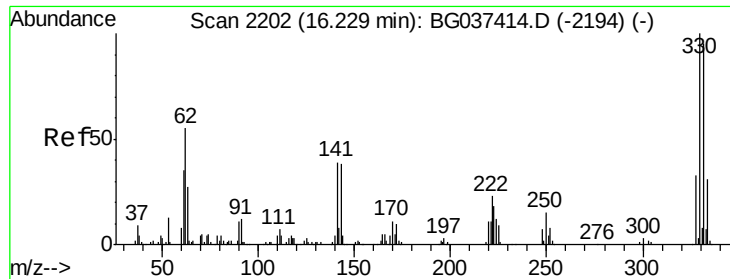
Abundance

Ion 164.00 (163.70 to 164.70): BGC

Ion 162.00 (161.70 to 162.70): BGC

Ion 160.00 (159.70 to 160.70): BGC

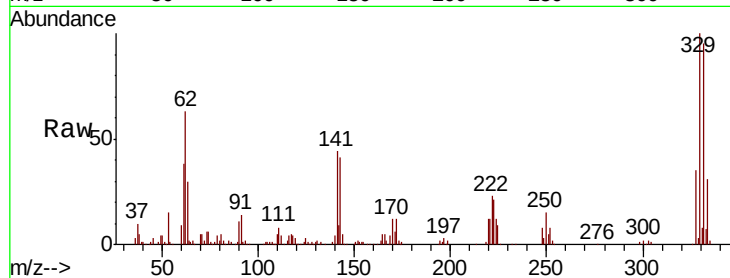




#42
 2,4,6-Tribromophenol
 Concen: 122.694 ng
 RT: 16.22 min Scan# 2201
 Delta R.T. -0.01 min
 Lab File: BG037497.D
 Acq: 24 Oct 2018 5:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.4	117.6
141	40.9	32.2	48.2

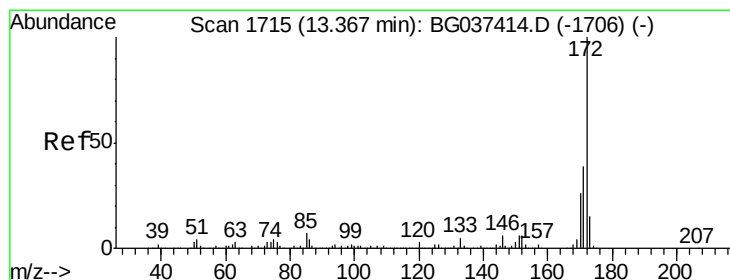
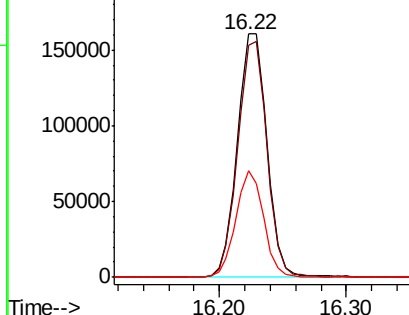
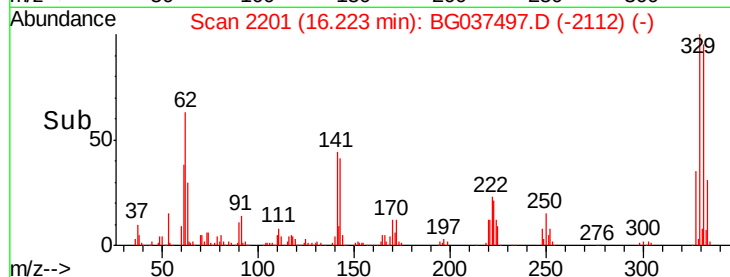


Abundance

Ion 329.80 (329.50 to 330.50): E

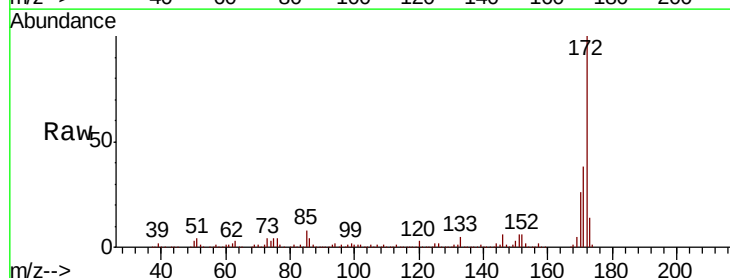
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 77.015 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037497.D
 Acq: 24 Oct 2018 5:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.5	31.0	46.4
170	25.6	20.2	30.2

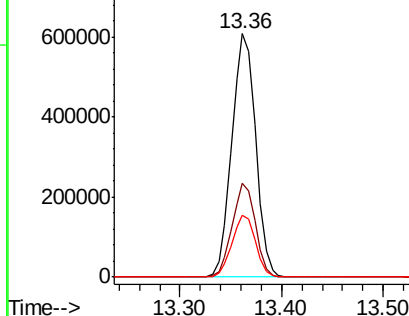
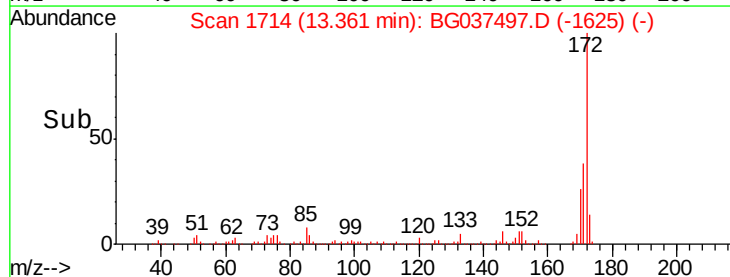


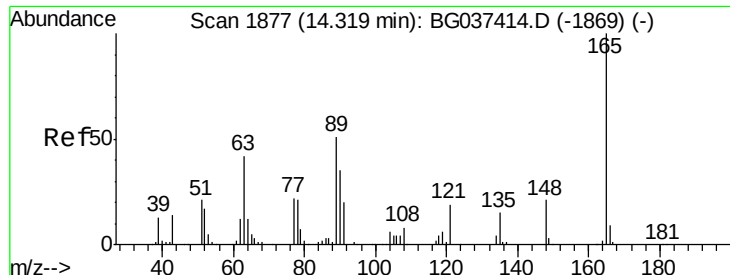
Abundance

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

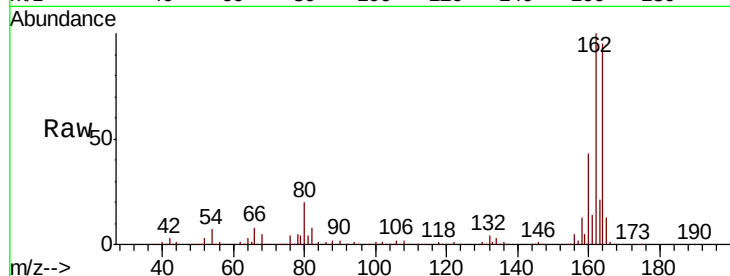




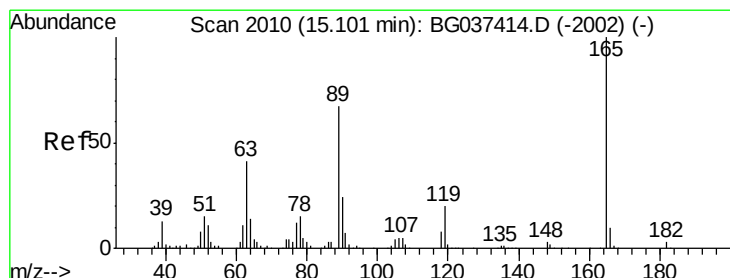
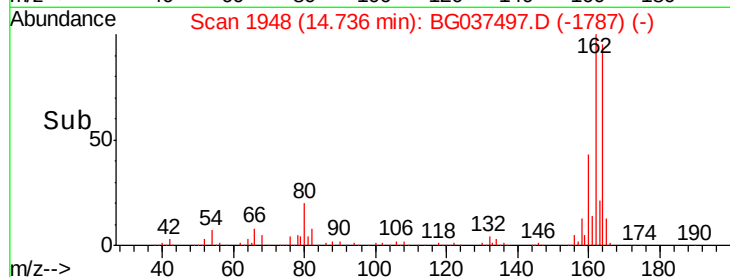
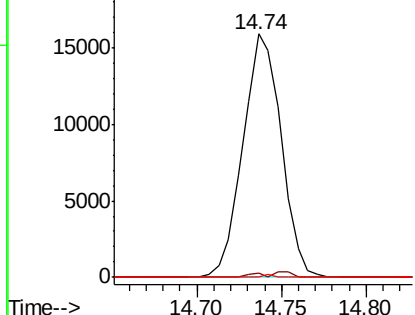
#51
 2,6-Dinitrotoluene
 Concen: 7.544 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. 0.42 min
 Lab File: BG037497.D
 Acq: 24 Oct 2018 5:43

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.9	43.4	65.2#
89	0.0	45.8	68.6#



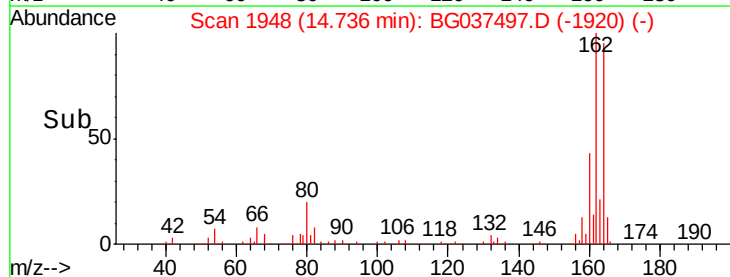
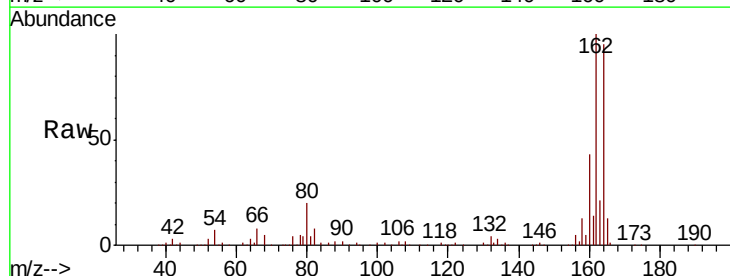
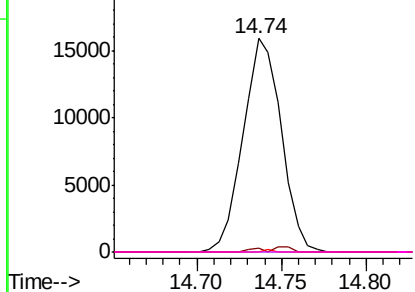
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

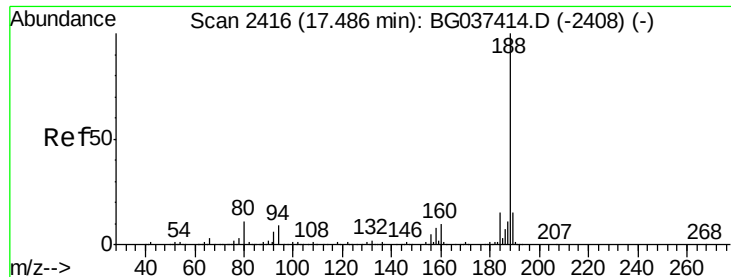


#57
 2,4-Dinitrotoluene
 Concen: 5.747 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.36 min
 Lab File: BG037497.D
 Acq: 24 Oct 2018 5:43

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	33.4	50.0#
89	0.0	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

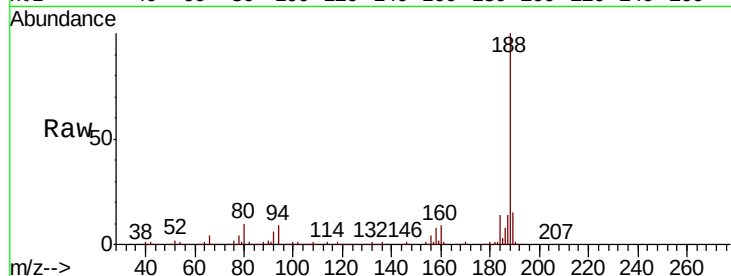




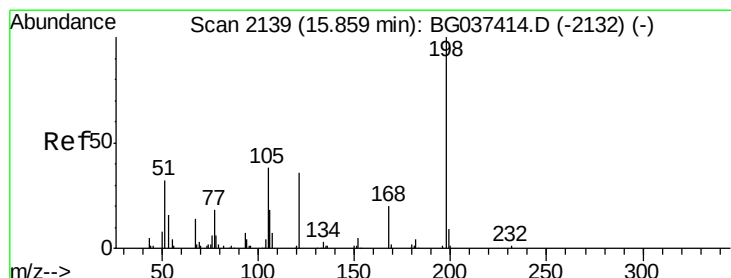
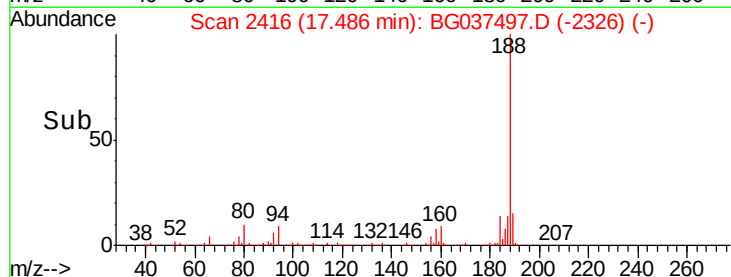
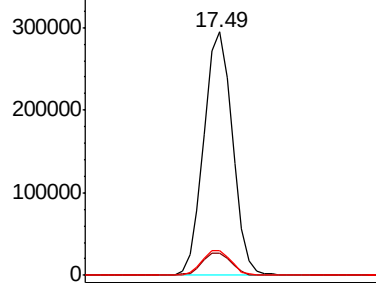
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.49 min Scan# 2416
Delta R.T. -0.00 min
Lab File: BG037497.D
Acq: 24 Oct 2018 5:43

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 460951
Ion Ratio Lower Upper
188 100
94 9.1 7.2 10.8
80 10.4 7.7 11.5

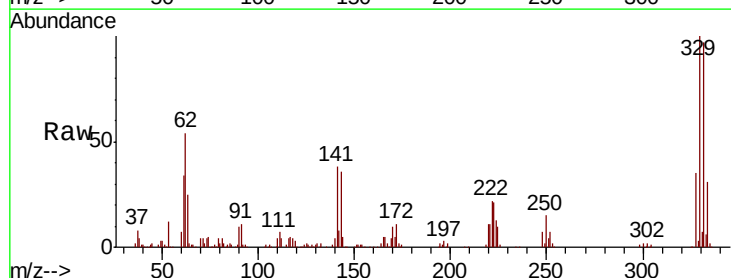


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

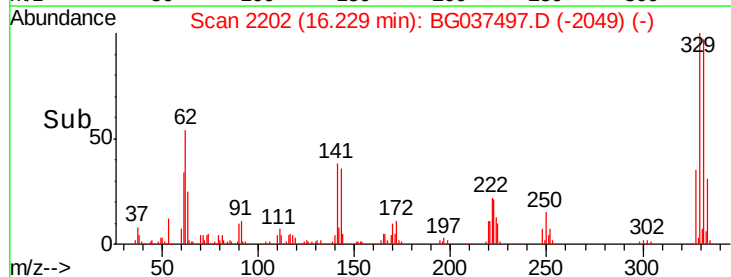
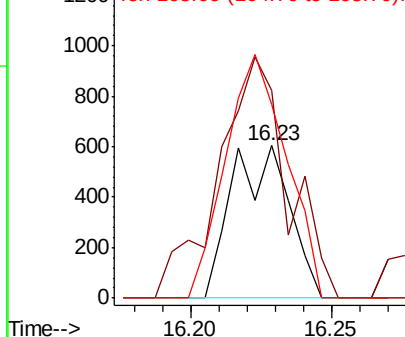


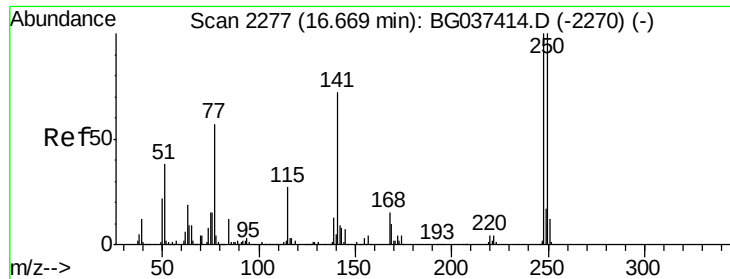
#65
4,6-Dinitro-2-methylphenol
Concen: 8.796 ng
RT: 16.23 min Scan# 2202
Delta R.T. 0.37 min
Lab File: BG037497.D
Acq: 24 Oct 2018 5:43

Tgt Ion:198 Resp: 847
Ion Ratio Lower Upper
198 100
51 26.4 22.7 62.7
105 24.7 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: 3.781 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037497.D

Acq: 24 Oct 2018 5:43

Instrument :

BNA_G

ClientSampled :

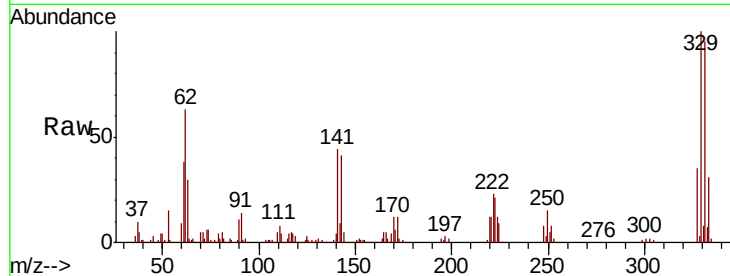
Tot Ion:248 Resp: 19141

Ion Ratio Lower Upper

248 100

250 189.5 77.0 115.6#

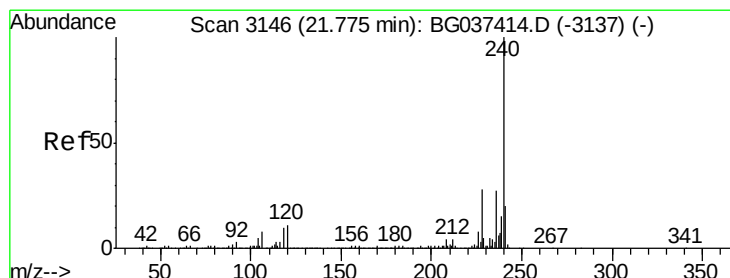
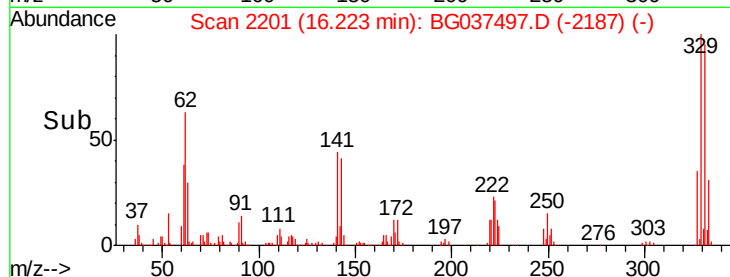
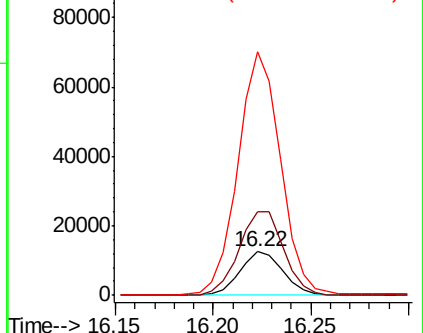
141 420.3 55.5 83.3#



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: 21.77 min Scan# 3145

Delta R.T. -0.01 min

Lab File: BG037497.D

Acq: 24 Oct 2018 5:43

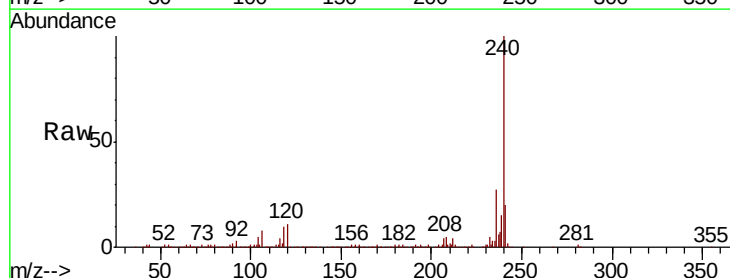
Tgt Ion:240 Resp: 416196

Ion Ratio Lower Upper

240 100

120 11.1 8.1 12.1

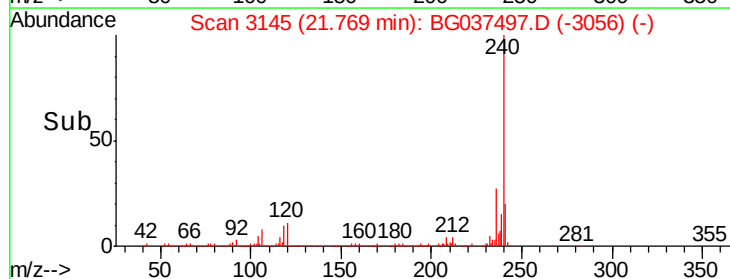
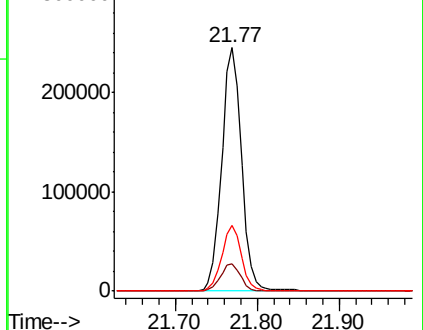
236 26.8 21.4 32.0

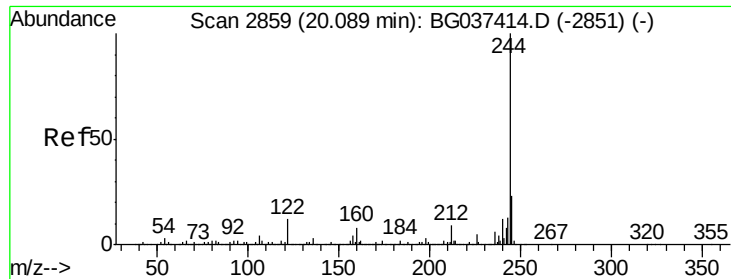


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 76.774 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037497.D

Acq: 24 Oct 2018 5:43

Instrument :

BNA_G

ClientSampled :

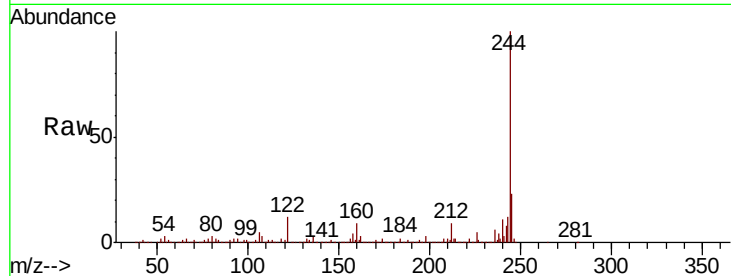
Tot Ion:244 Resp: 1495396

Ion Ratio Lower Upper

244 100

212 9.0 6.5 9.7

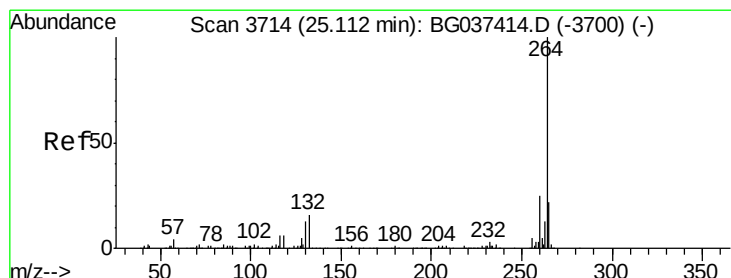
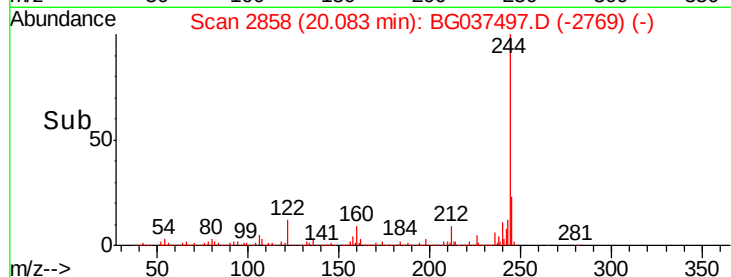
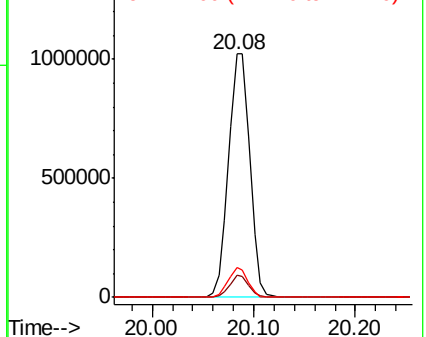
122 12.3 9.0 13.4



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: 25.11 min Scan# 3713

Delta R.T. -0.01 min

Lab File: BG037497.D

Acq: 24 Oct 2018 5:43

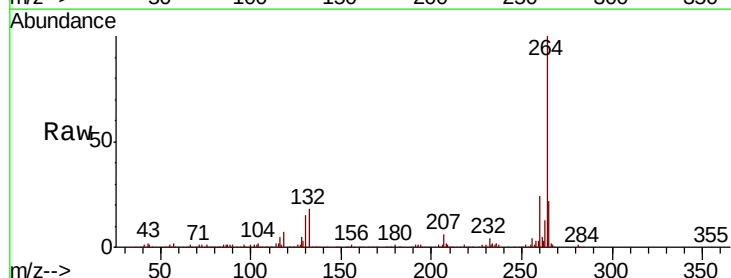
Tgt Ion:264 Resp: 418581

Ion Ratio Lower Upper

264 100

260 24.1 18.2 27.4

265 21.7 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

