

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101618\
 Data File : BG037390.D
 Acq On : 17 Oct 2018 14:04
 Operator : JU/SJ
 Sample : J5519-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 17 14:41:05 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	8.11	152	64813	20.00	ng	-0.01
21) Naphthalene-d8	10.93	136	284303	20.00	ng	-0.02
39) Acenaphthene-d10	14.74	164	191098	20.00	ng	-0.01
64) Phenanthrene-d10	17.49	188	466715	20.00	ng	-0.02
76) Chrysene-d12	21.77	240	450179	20.00	ng	-0.02
87) Perylene-d12	25.11	264	460981	20.00	ng	-0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.65	112	204307	55.48	ng	0.00
7) Phenol-d6	7.25	99	182964	32.73	ng	0.00
23) Nitrobenzene-d5	9.29	82	377324	87.26	ng	-0.01
42) 2,4,6-Tribromophenol	16.23	330	235821	125.83	ng	-0.01
45) 2-Fluorobiphenyl	13.37	172	868035	68.22	ng	-0.01
79) Terphenyl-d14	20.09	244	1432800	66.83	ng	-0.01

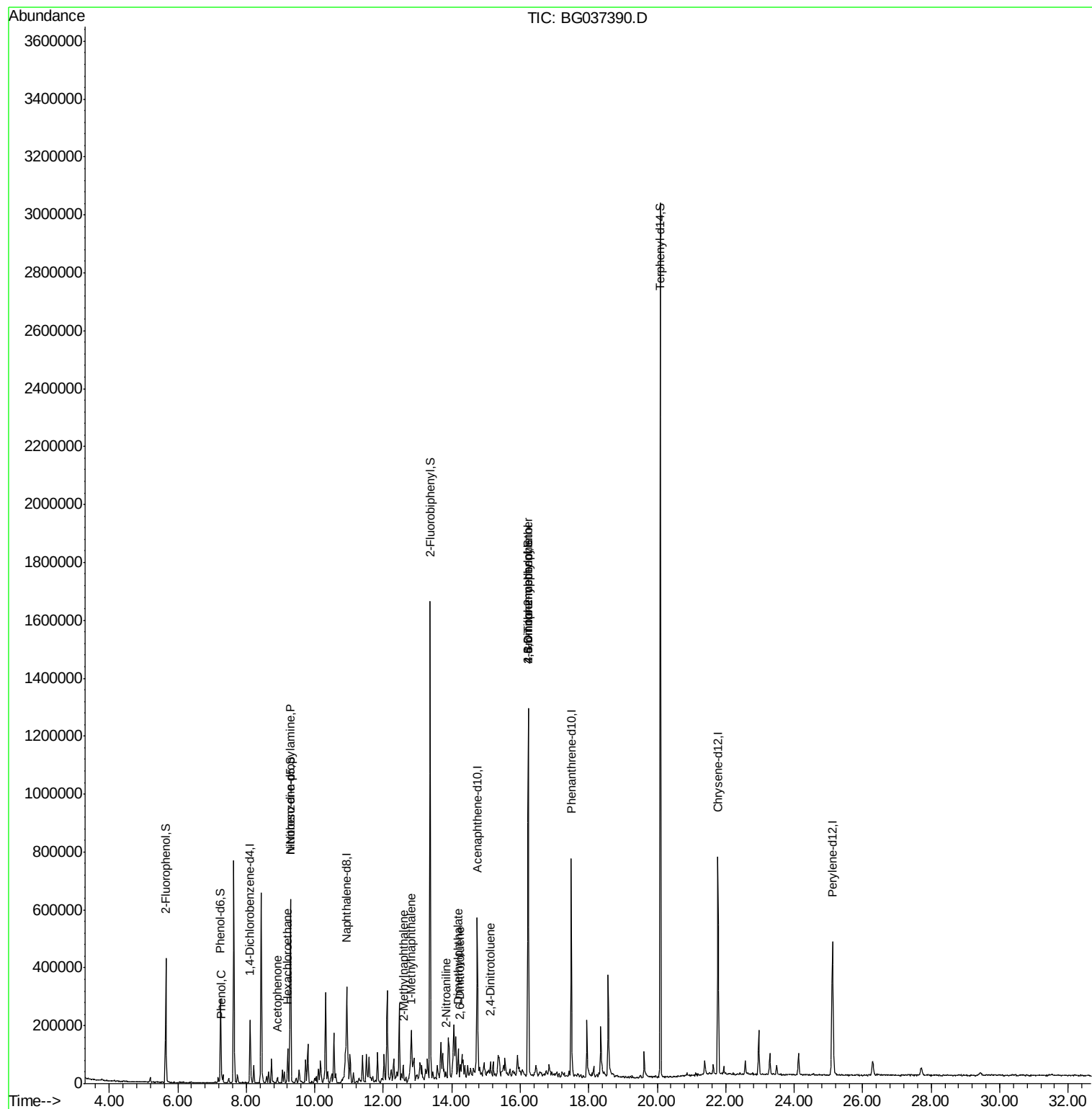
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	7.28	94	16218	2.755	ng	90
18) Hexachloroethane	9.22	117	15195	8.678	ng	# 1
19) n-Nitroso-di-n-propylamine	9.29	70	45559	10.765	ng	# 75
22) Acetophenone	8.91	105	16695	2.330	ng	# 53
37) 2-Methylnaphthalene	12.58	142	27583	2.736	ng	# 99
38) 1-Methylnaphthalene	12.80	142	28632	2.907	ng	# 92
48) 2-Nitroaniline	13.83	65	1528	6.173	ng	# 30
50) Dimethylphthalate	14.19	163	57586	3.834	ng	# 99
51) 2,6-Dinitrotoluene	14.25	165	2304	5.521	ng	# 46
57) 2,4-Dinitrotoluene	15.13	165	1063	5.588	ng	# 57
65) 4,6-Dinitro-2-methylphenol	16.23	198	1632	6.924	ng	# 94
67) 4-Bromophenyl-phenylether	16.23	248	17016	3.378	ng	# 1

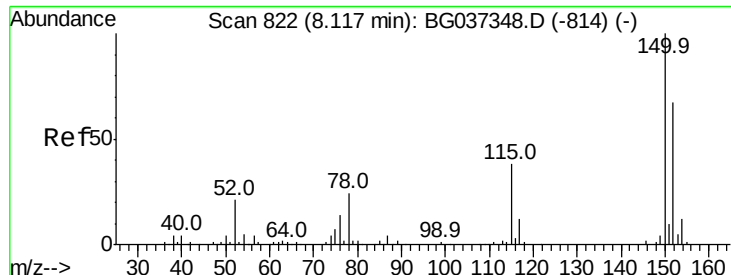
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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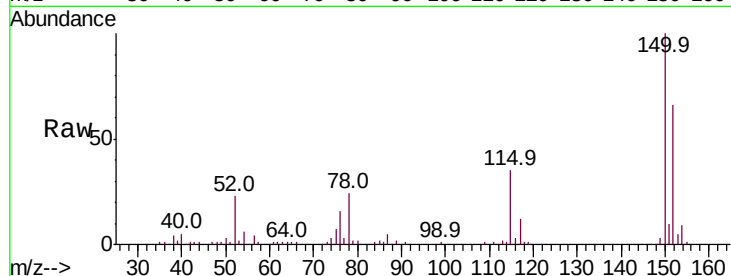


#1

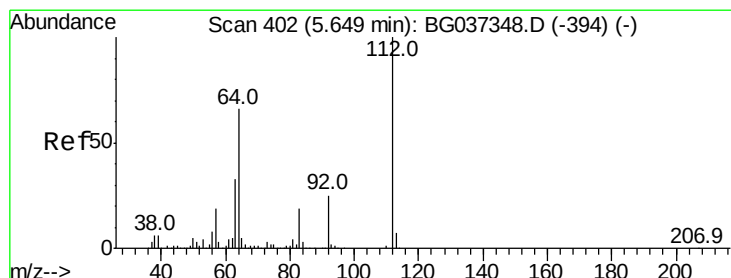
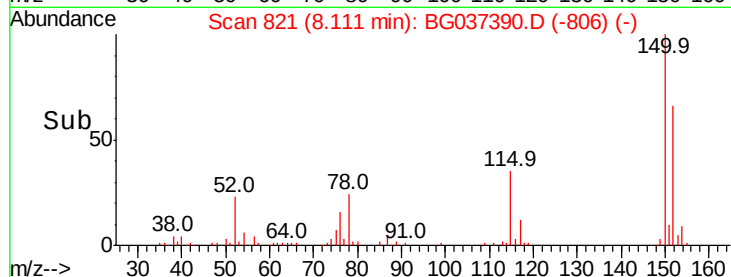
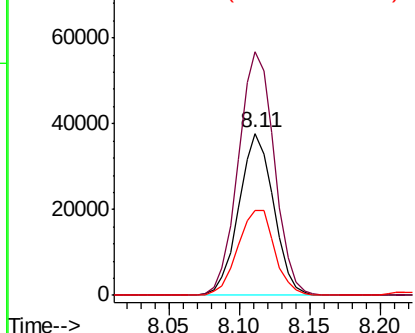
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.11 min Scan# 821
Delta R.T. -0.01 min
Lab File: BG037390.D
Acq: 17 Oct 2018 14:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 64813
Ion Ratio Lower Upper
152 100
150 150.6 126.0 189.0
115 52.4 45.5 68.3



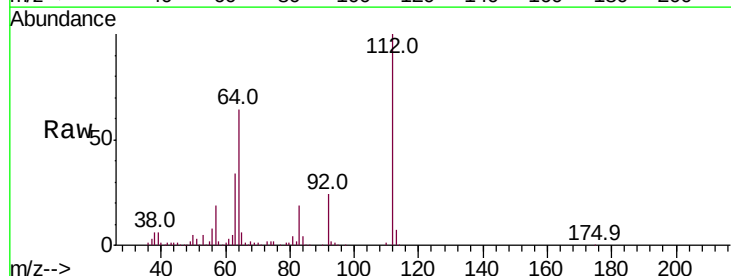
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



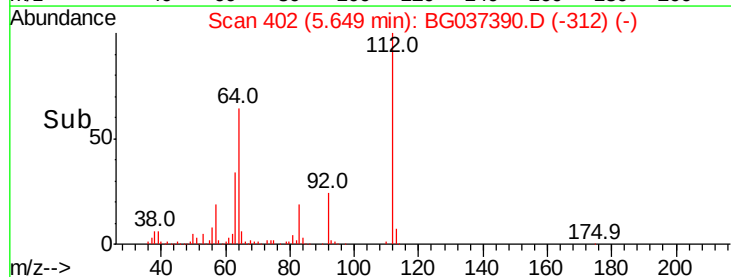
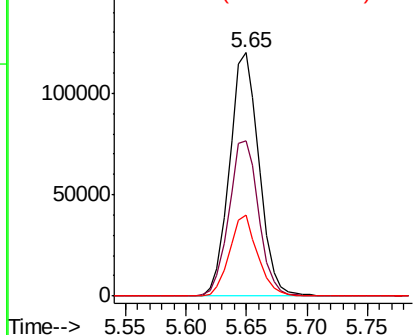
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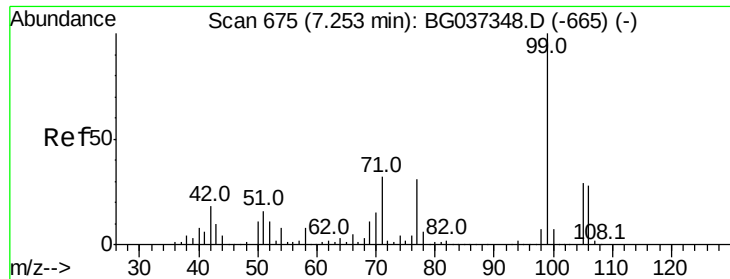
2-Fluorophenol
Concen: 55.477 ng
RT: 5.65 min Scan# 402
Delta R.T. -0.00 min
Lab File: BG037390.D
Acq: 17 Oct 2018 14:04

Tgt Ion:112 Resp: 204307
Ion Ratio Lower Upper
112 100
64 63.6 53.1 79.7
63 33.5 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: 32.732 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.01 min

Lab File: BG037390.D

Acq: 17 Oct 2018 14:04

Instrument :

BNA_G

ClientSampled :

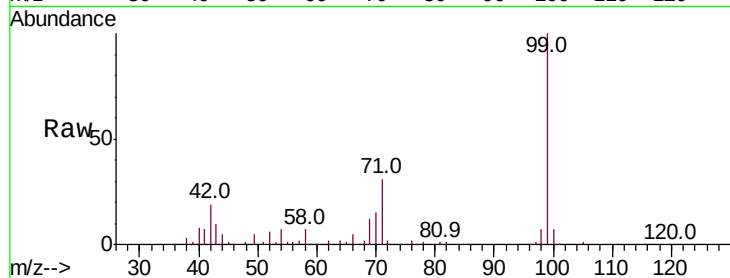
Tot Ion: 99 Resp: 182964

Ion Ratio Lower Upper

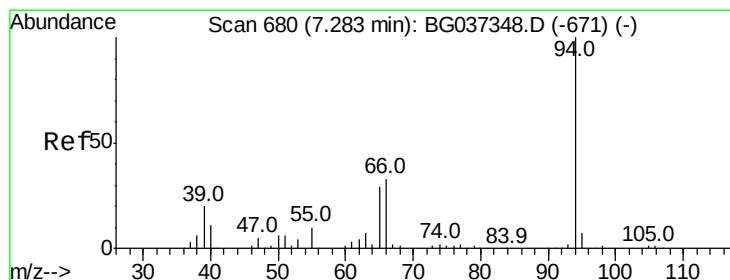
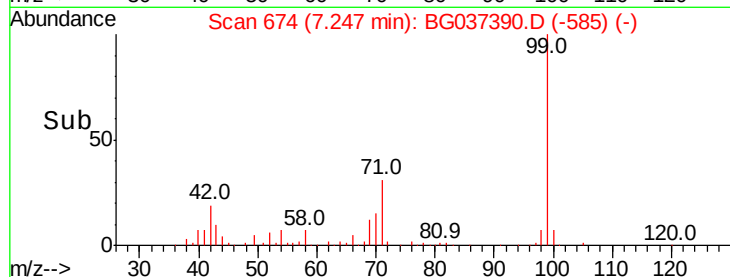
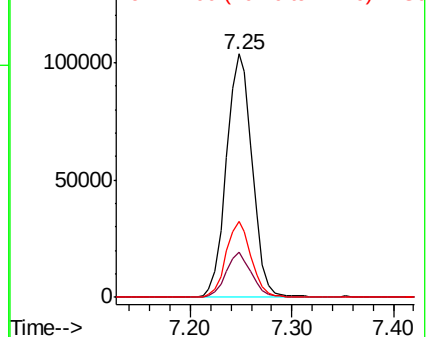
99 100

42 18.5 15.0 22.4

71 31.4 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: 2.755 ng

RT: 7.28 min Scan# 679

Delta R.T. -0.01 min

Lab File: BG037390.D

Acq: 17 Oct 2018 14:04

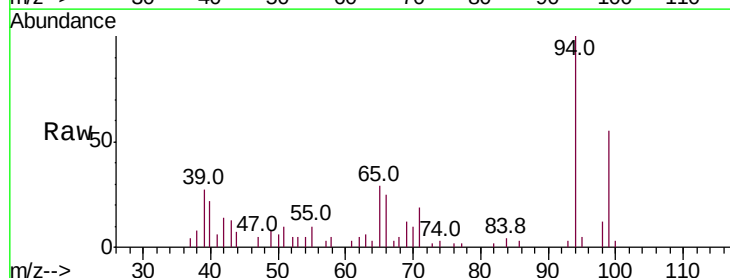
Tgt Ion: 94 Resp: 16218

Ion Ratio Lower Upper

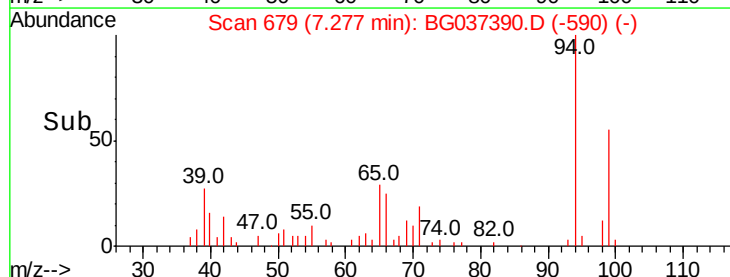
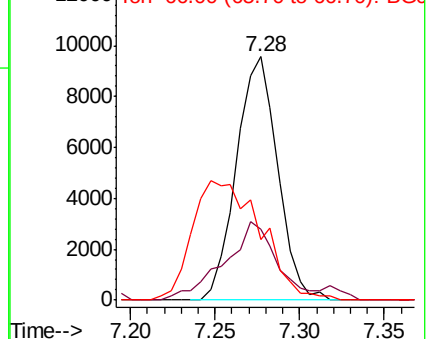
94 100

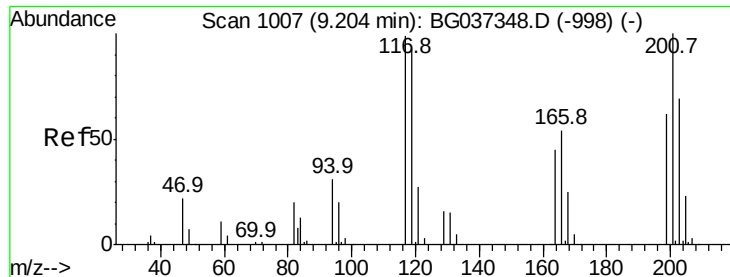
65 29.3 9.7 49.7

66 25.0 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

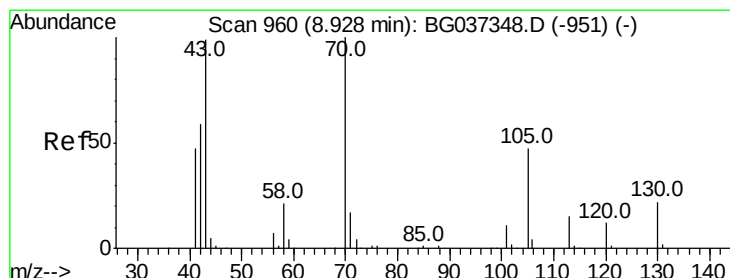
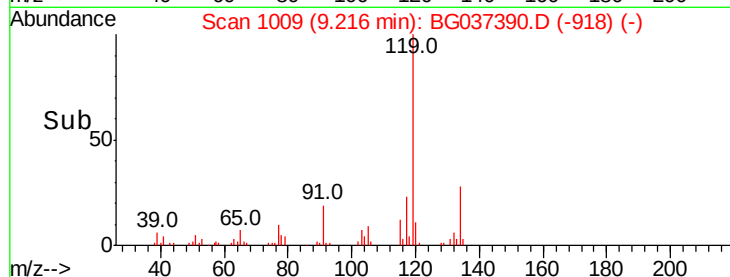
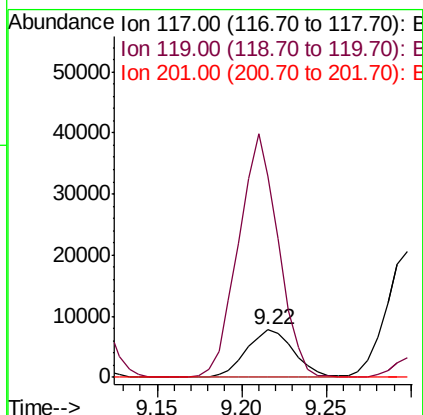
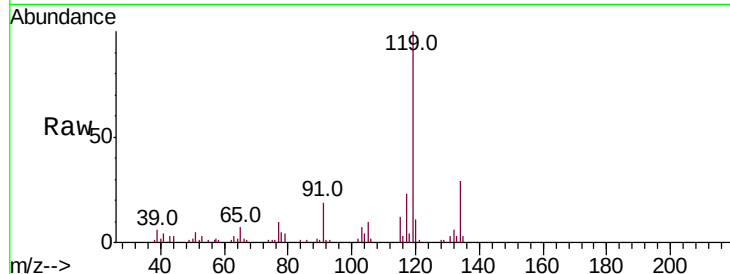




#18
Hexachloroethane
Concen: 8.678 ng
RT: 9.22 min Scan# 1009
Delta R.T. 0.00 min
Lab File: BG037390.D
Acq: 17 Oct 2018 14:04

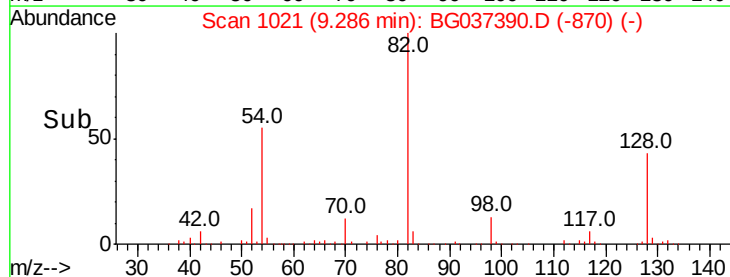
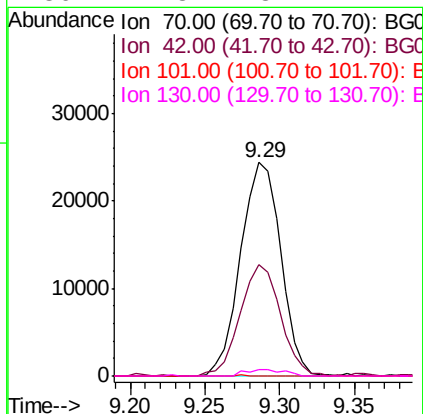
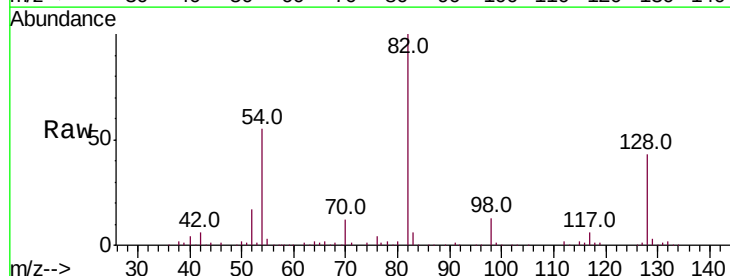
Instrument :
BNA_G
ClientSampled :

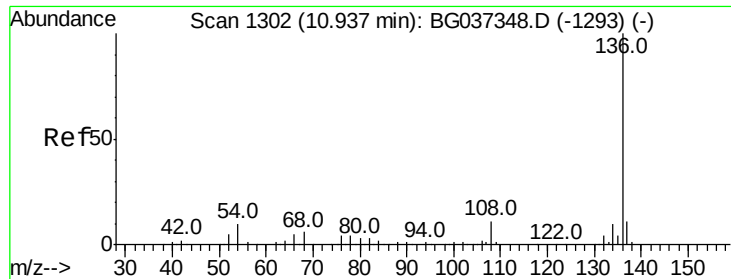
Tot Ion:117 Resp: 15195
Ion Ratio Lower Upper
117 100
119 426.5 74.6 111.8#
201 0.0 80.8 121.2#



#19
n-Nitroso-di-n-propylamine
Concen: 10.765 ng
RT: 9.29 min Scan# 1021
Delta R.T. 0.36 min
Lab File: BG037390.D
Acq: 17 Oct 2018 14:04

Tgt Ion: 70 Resp: 45559
Ion Ratio Lower Upper
70 100
42 52.2 53.9 80.9#
101 0.0 8.2 12.2#
130 2.8 18.2 27.4#

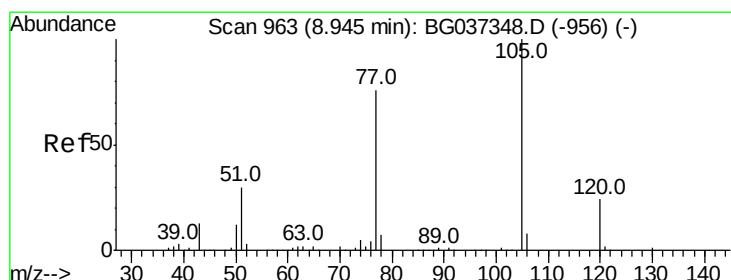
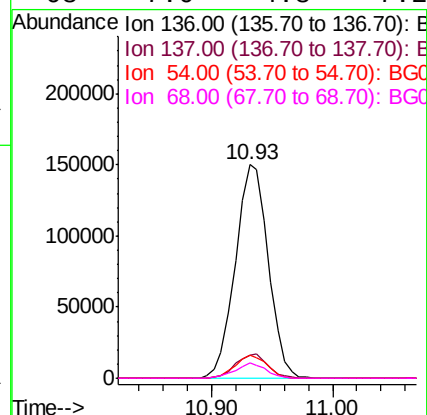
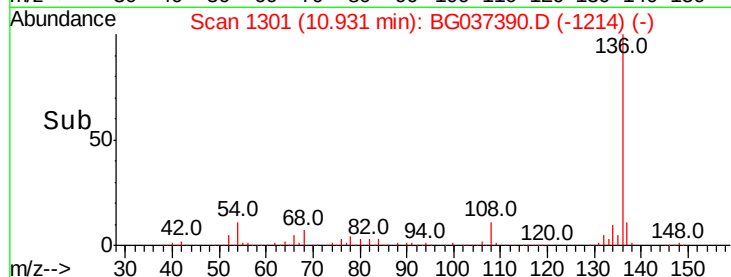
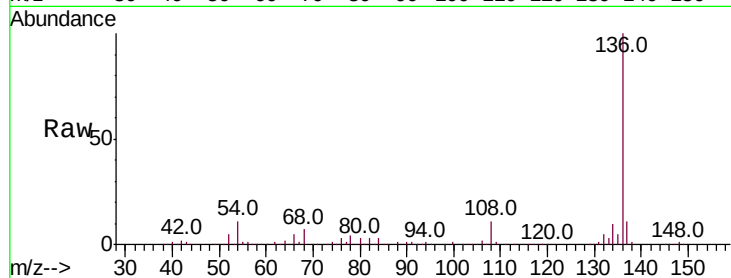




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.93 min Scan# 1301
Delta R.T. -0.02 min
Lab File: BG037390.D
Acq: 17 Oct 2018 14:04

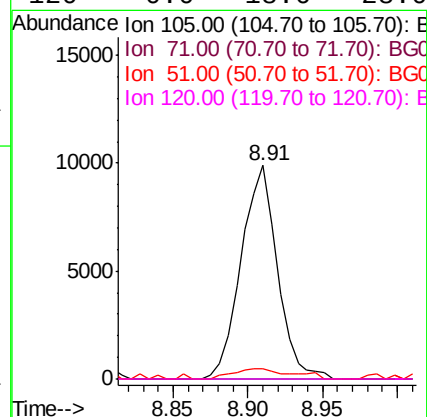
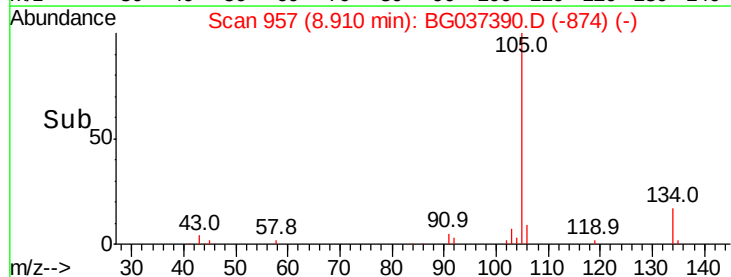
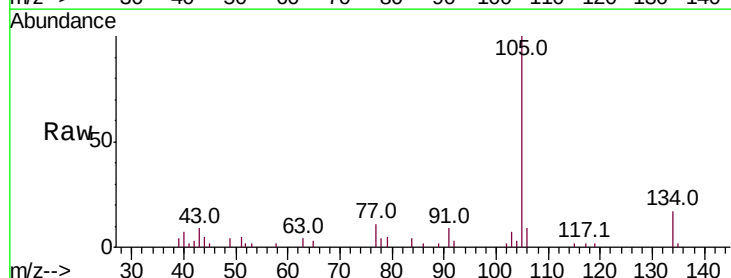
Instrument :
BNA_G
ClientSampleId :

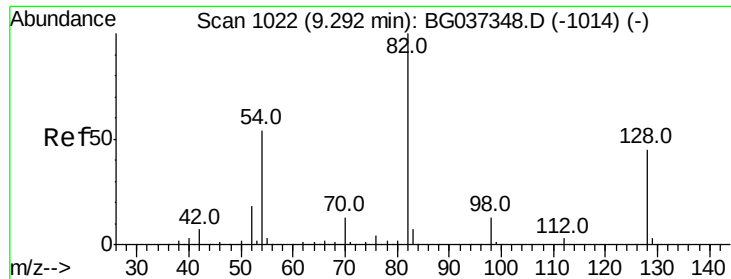
Tot Ion:136	Resp:	284303	
Ion Ratio	Lower	Upper	
136 100			
137 10.8	9.6	14.4	
54 11.1	7.9	11.9	
68 7.0	4.8	7.2	



#22
Acetophenone
Concen: 2.330 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.04 min
Lab File: BG037390.D
Acq: 17 Oct 2018 14:04

Tgt	Ion:105	Resp:	16695
Ion	Ratio	Lower	Upper
105	100		
71	0.0	1.2	1.8#
51	4.6	25.0	37.6#
120	0.0	18.6	28.0#

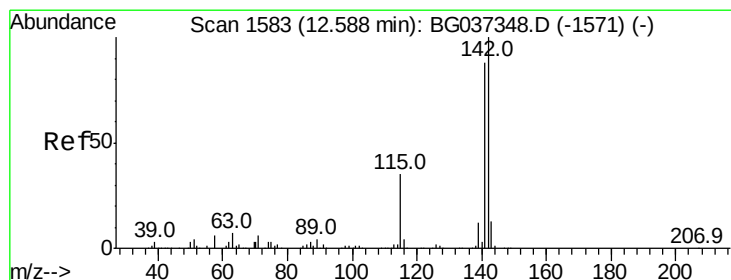
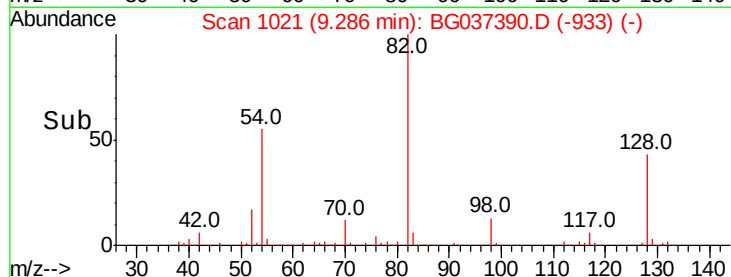
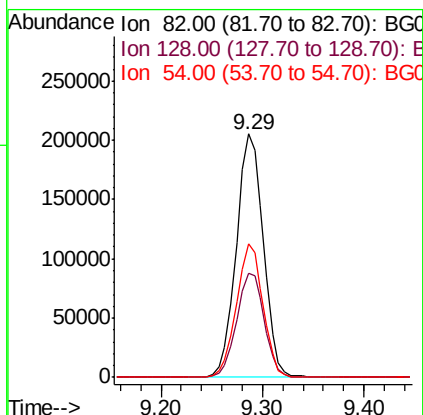
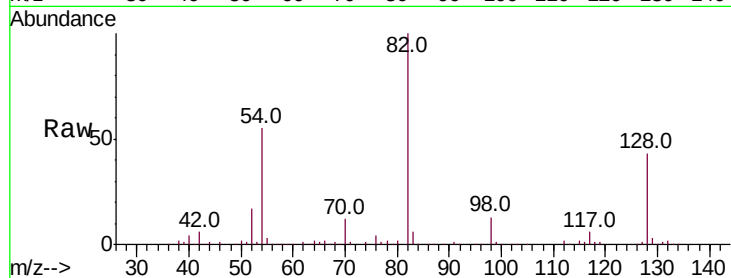




#23
Nitrobenzene-d5
Concen: 87.256 ng
RT: 9.29 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BG037390.D
Acq: 17 Oct 2018 14:04

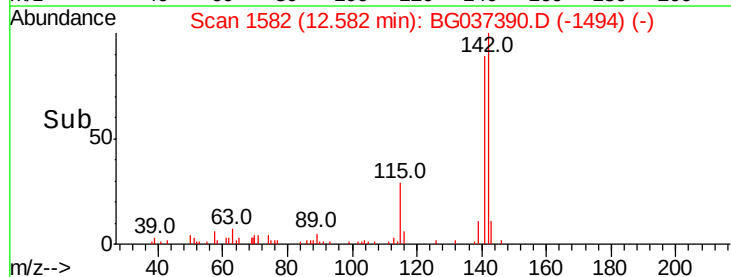
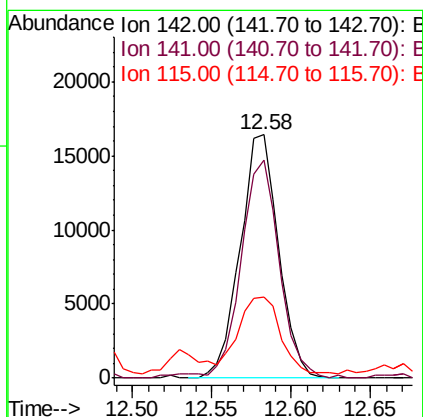
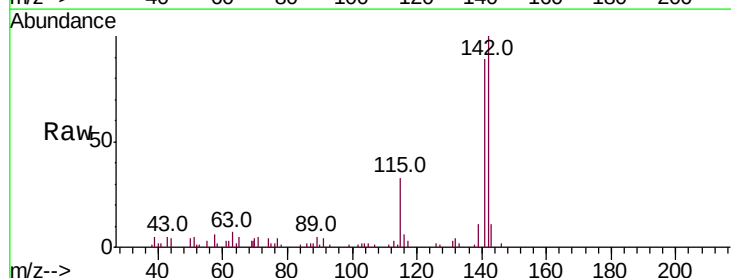
Instrument :
BNA_G
ClientSampleId :

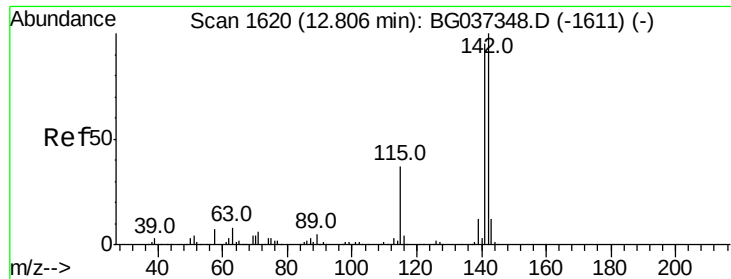
Tot Ion	Ratio	Lower	Upper
82	100		
128	42.7	34.6	51.8
54	54.7	45.3	67.9



#37
2-Methylnaphthalene
Concen: 2.736 ng
RT: 12.58 min Scan# 1582
Delta R.T. -0.01 min
Lab File: BG037390.D
Acq: 17 Oct 2018 14:04

Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.5	71.9	107.9
115	33.4	27.8	41.8

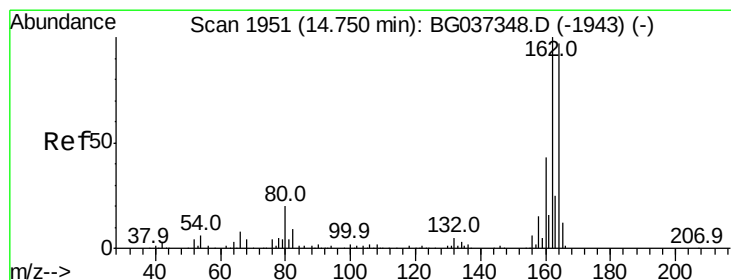
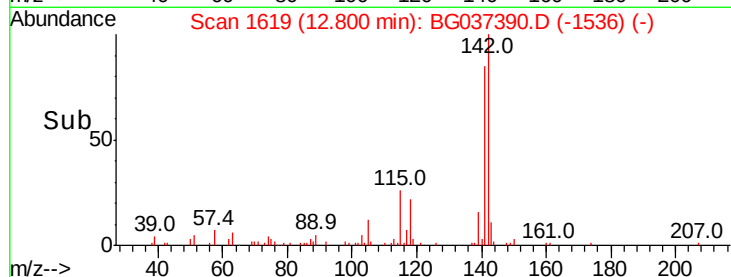
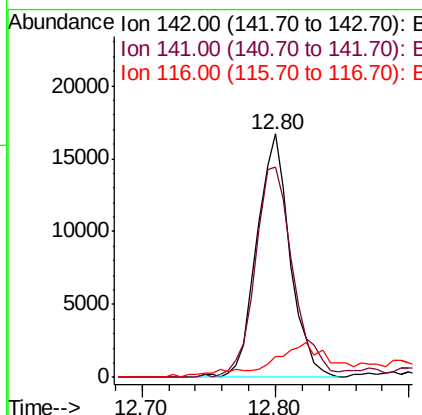
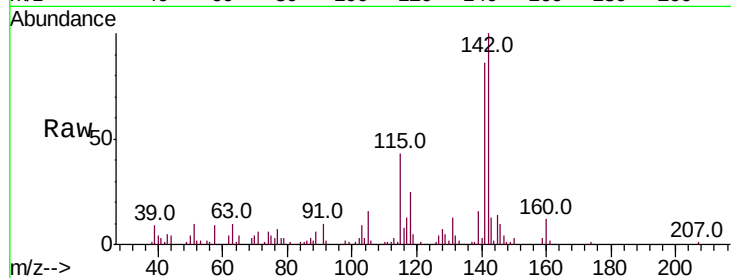




#38
 1-Methylnaphthalene
 Concen: 2.907 ng
 RT: 12.80 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BG037390.D
 Acq: 17 Oct 2018 14:04

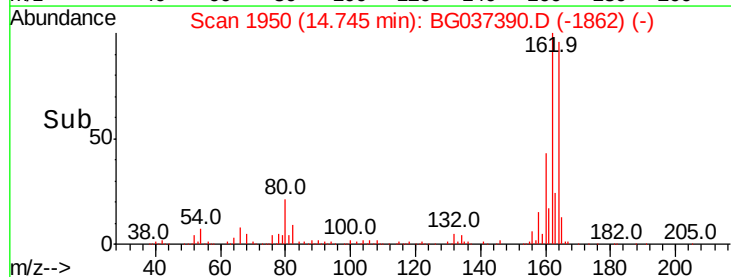
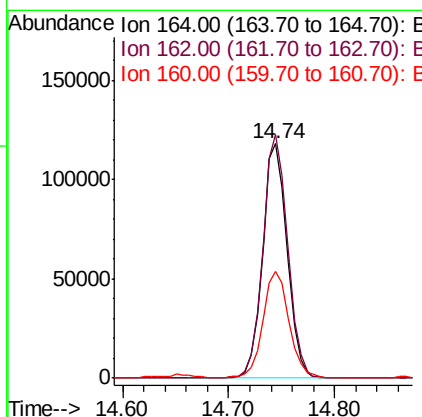
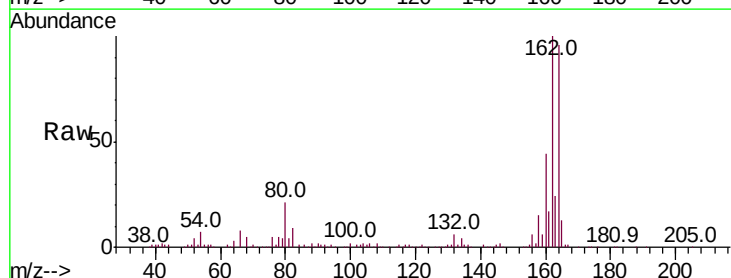
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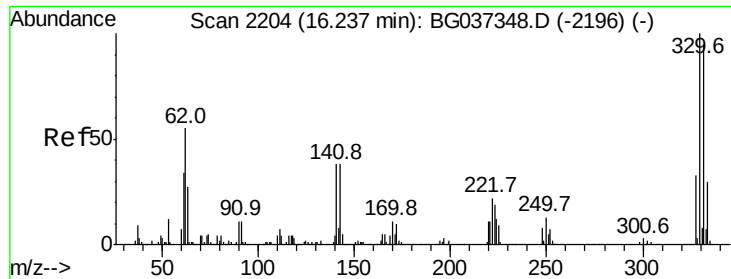
Tot Ion:142 Resp: 28632
 Ion Ratio Lower Upper
 142 100
 141 86.2 75.2 112.8
 116 8.3 3.3 4.9#



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1950
 Delta R.T. -0.01 min
 Lab File: BG037390.D
 Acq: 17 Oct 2018 14:04

Tgt Ion:164 Resp: 191098
 Ion Ratio Lower Upper
 164 100
 162 104.0 81.3 121.9
 160 45.6 36.3 54.5

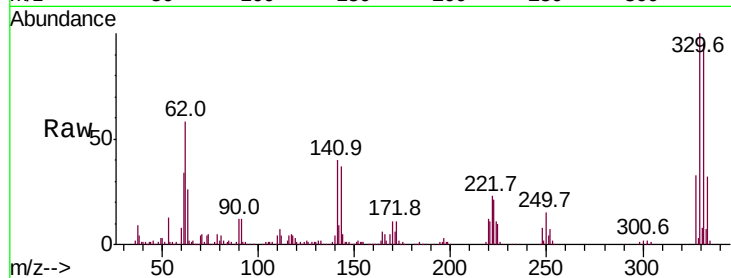




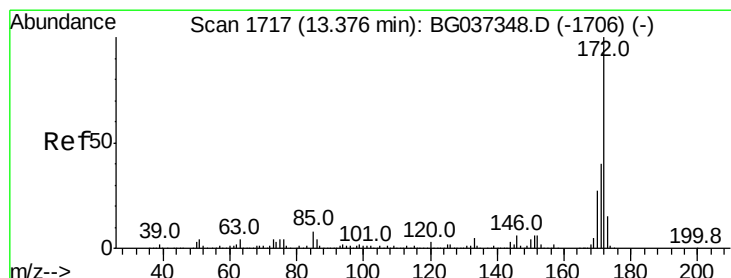
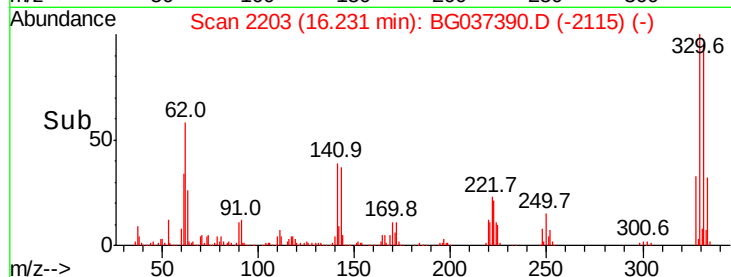
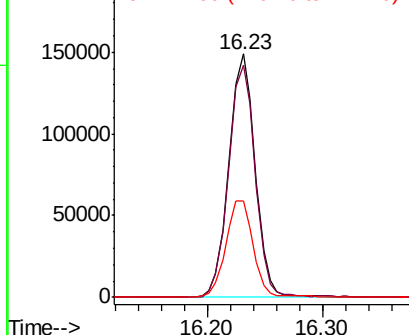
#42
 2,4,6-Tribromophenol
 Concen: 125.829 ng
 RT: 16.23 min Scan# 2203
 Delta R.T. -0.01 min
 Lab File: BG037390.D
 Acq: 17 Oct 2018 14:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.4	117.6
141	41.4	32.2	48.2

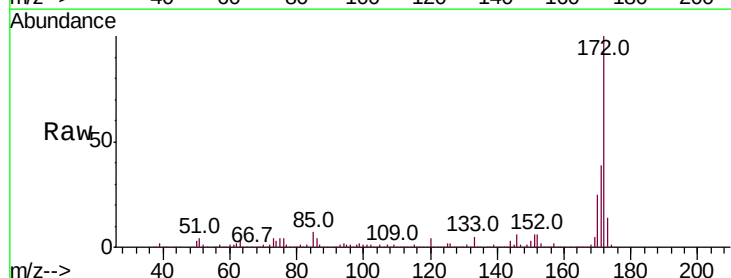


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

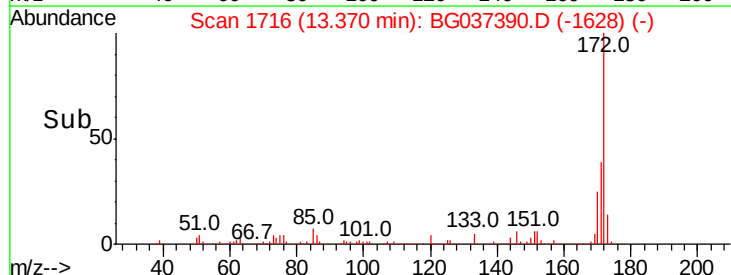
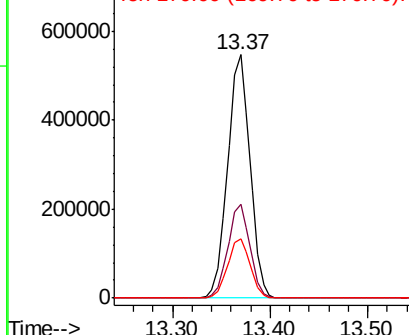


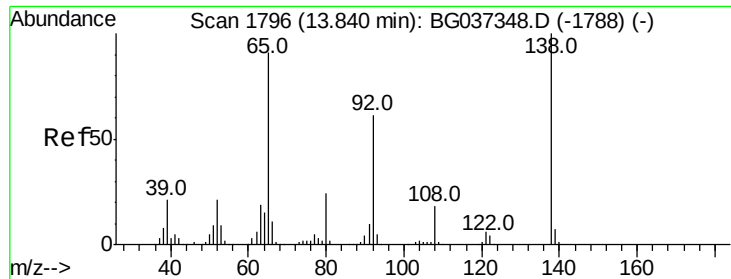
#45
 2-Fluorobiphenyl
 Concen: 68.215 ng
 RT: 13.37 min Scan# 1716
 Delta R.T. -0.01 min
 Lab File: BG037390.D
 Acq: 17 Oct 2018 14:04

Tgt Ion	Ratio	Lower	Upper
172	100		
171	38.6	31.0	46.4
170	24.6	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

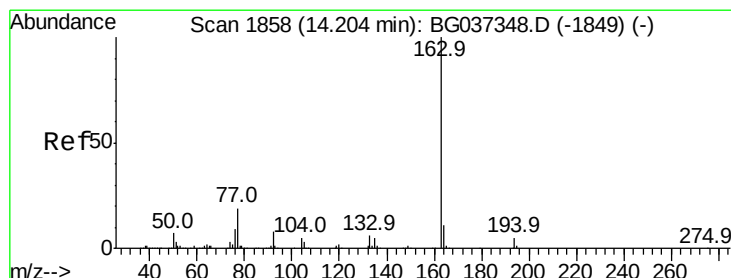
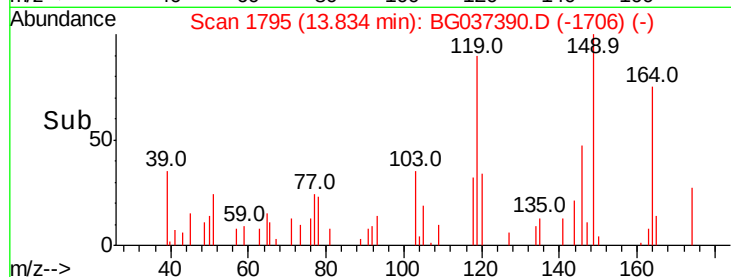
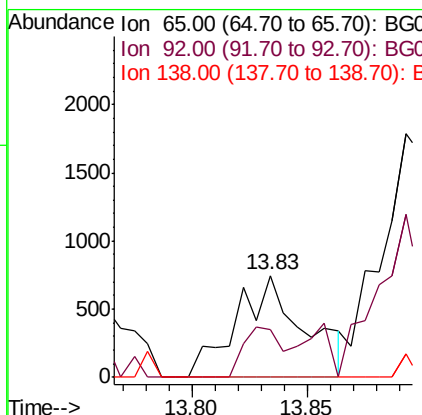
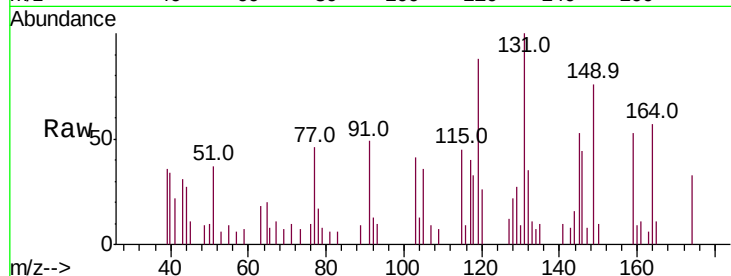




#48
 2-Nitroaniline
 Concen: 6.173 ng
 RT: 13.83 min Scan# 1795
 Delta R.T. -0.01 min
 Lab File: BG037390.D
 Acq: 17 Oct 2018 14:04

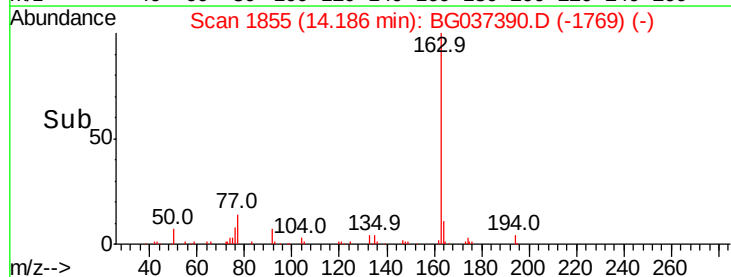
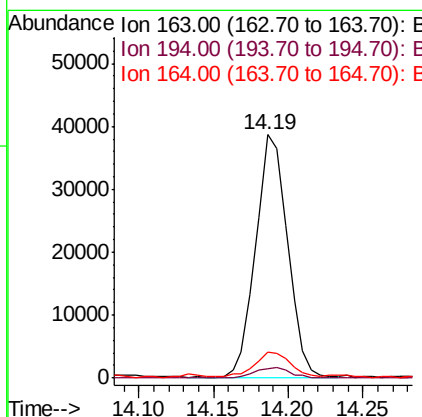
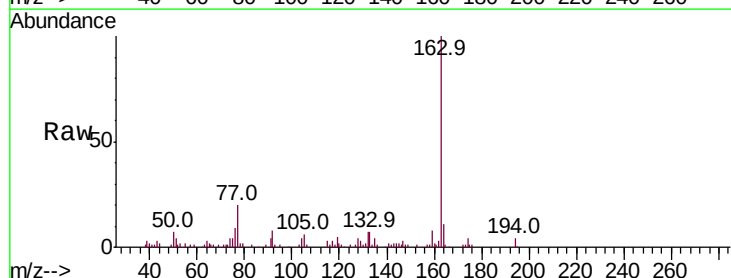
Instrument :
 BNA_G
 ClientSampleId :

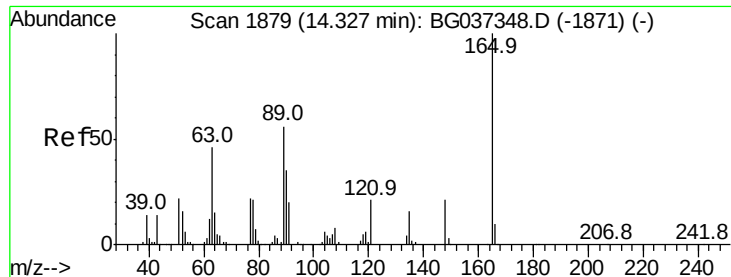
Tot Ion: 65 Resp: 1528
 Ion Ratio Lower Upper
 65 100
 92 46.5 53.2 79.8#
 138 0.0 79.3 118.9#



#50
 Dimethylphthalate
 Concen: 3.834 ng
 RT: 14.19 min Scan# 1855
 Delta R.T. -0.02 min
 Lab File: BG037390.D
 Acq: 17 Oct 2018 14:04

Tgt Ion: 163 Resp: 57586
 Ion Ratio Lower Upper
 163 100
 194 3.6 3.5 5.3
 164 10.7 8.5 12.7





#51

2,6-Dinitrotoluene

Concen: 5.521 ng

RT: 14.25 min Scan# 1865

Delta R.T. -0.09 min

Lab File: BG037390.D

Acq: 17 Oct 2018 14:04

Instrument :

BNA_G

ClientSampleId :

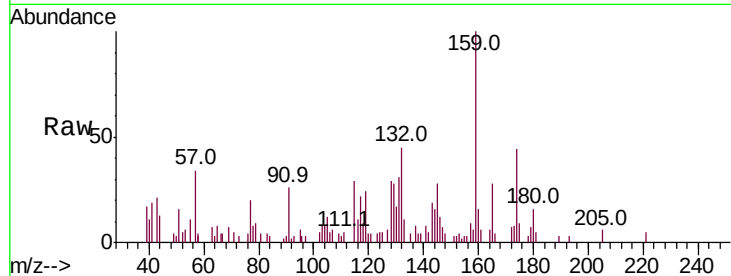
Tot Ion:165 Resp: 2304

Ion Ratio Lower Upper

165 100

63 25.0 43.4 65.2#

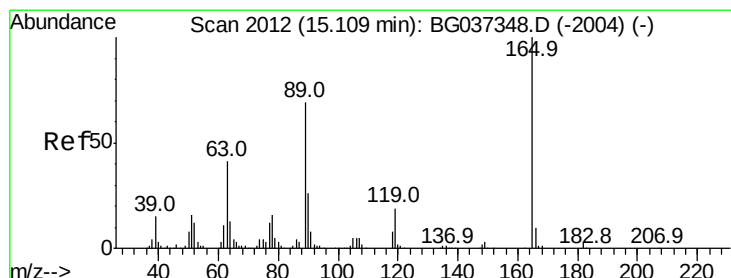
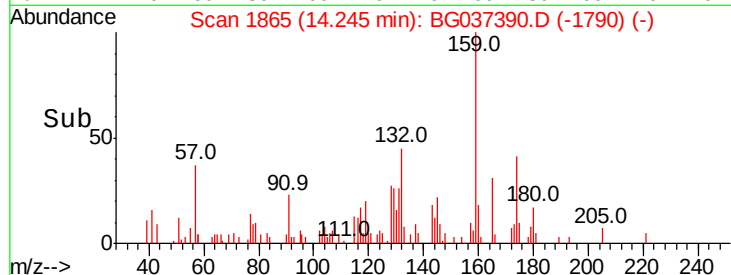
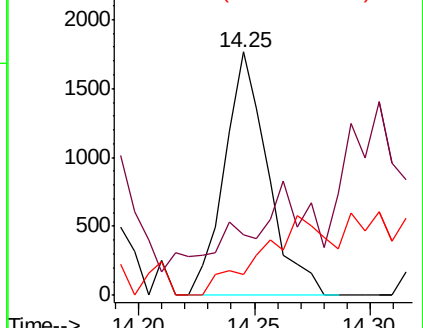
89 8.7 45.8 68.6#



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: 5.588 ng

RT: 15.13 min Scan# 2016

Delta R.T. 0.02 min

Lab File: BG037390.D

Acq: 17 Oct 2018 14:04

Tgt Ion:165 Resp: 1063

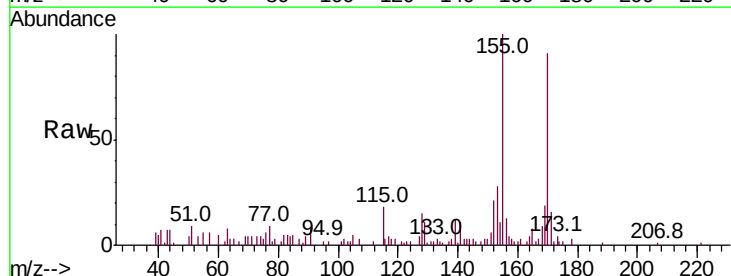
Ion Ratio Lower Upper

165 100

63 97.6 33.4 50.0#

89 56.7 57.2 85.8#

182 0.0 2.6 4.0#

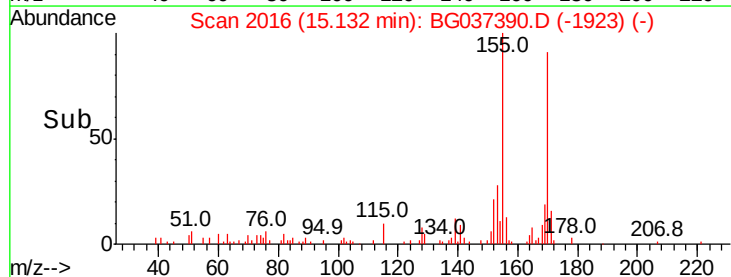
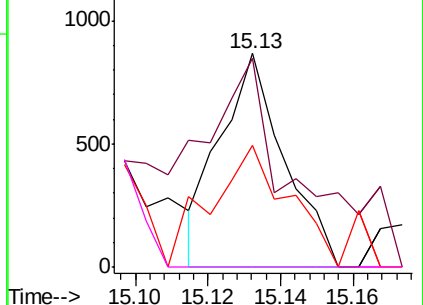


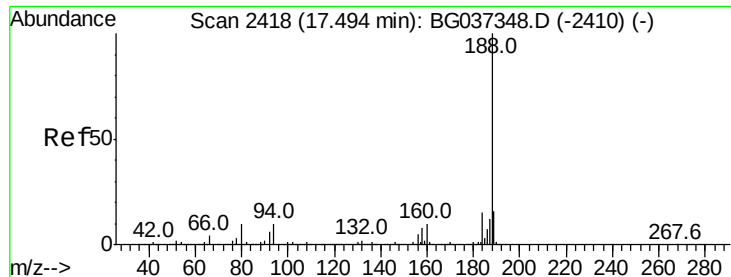
Abundance Ion 165.00 (164.70 to 165.70): E

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# 2417

Delta R.T. -0.02 min

Lab File: BG037390.D

Acq: 17 Oct 2018 14:04

Instrument :

BNA_G

ClientSampleId :

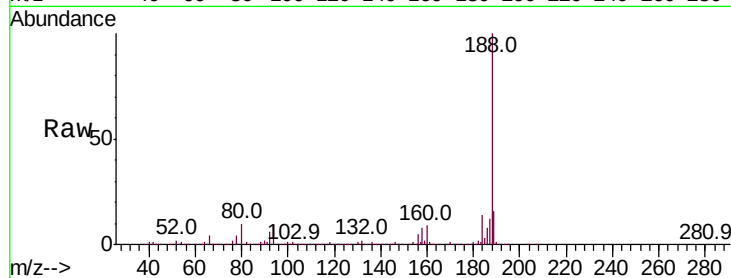
Tot Ion:188 Resp: 466715

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

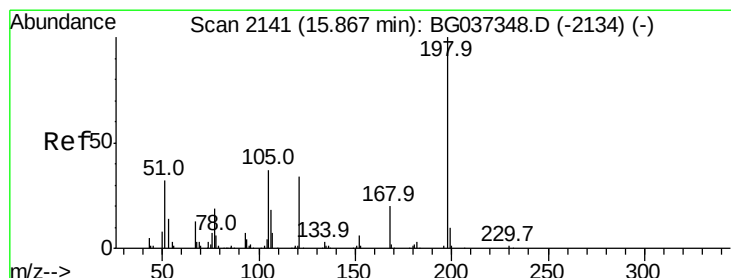
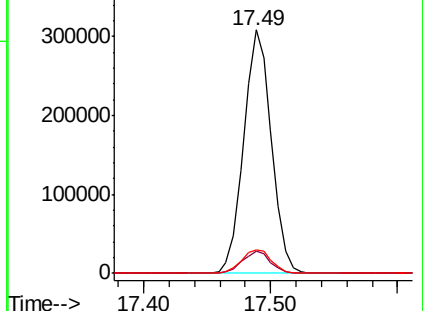
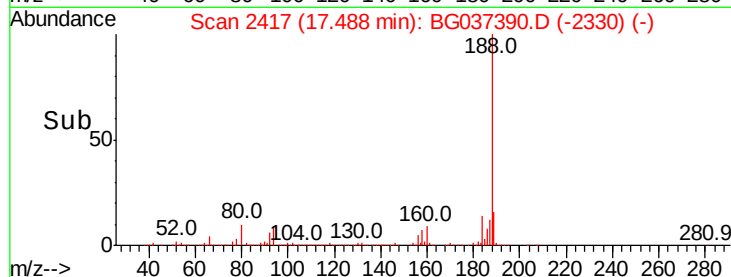
80 9.6 7.7 11.5



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: 6.924 ng

RT: 16.23 min Scan# 2203

Delta R.T. 0.36 min

Lab File: BG037390.D

Acq: 17 Oct 2018 14:04

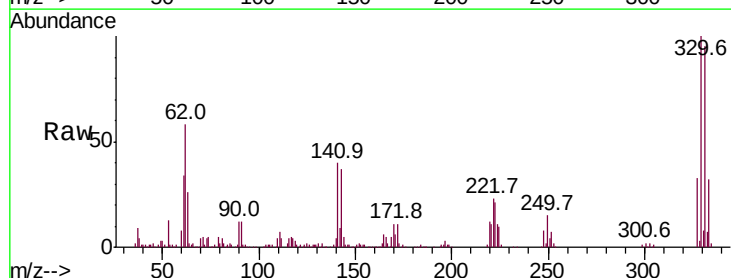
Tgt Ion:198 Resp: 1632

Ion Ratio Lower Upper

198 100

51 42.2 22.7 62.7

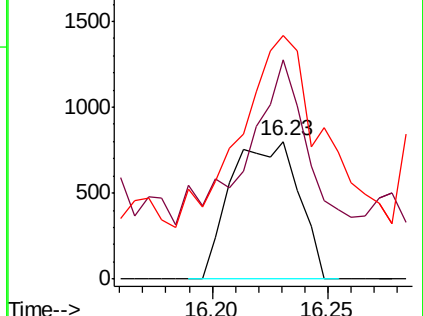
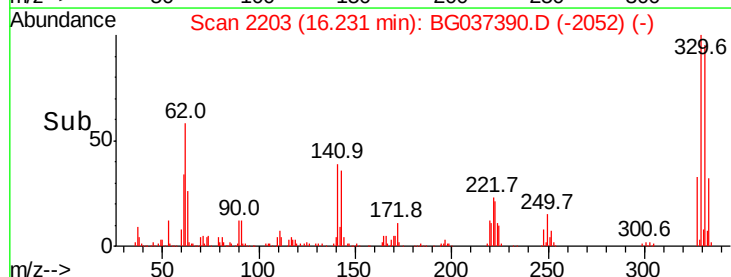
105 46.8 19.7 59.7

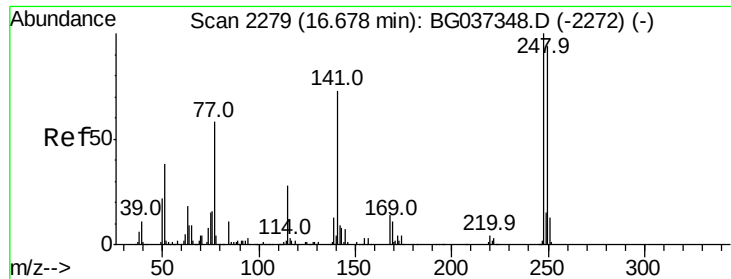


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E





#67

4-Bromophenyl-phenylether

Concen: 3.378 ng

RT: 16.23 min Scan# 2203

Delta R.T. -0.46 min

Lab File: BG037390.D

Acq: 17 Oct 2018 14:04

Instrument :

BNA_G

ClientSampleId :

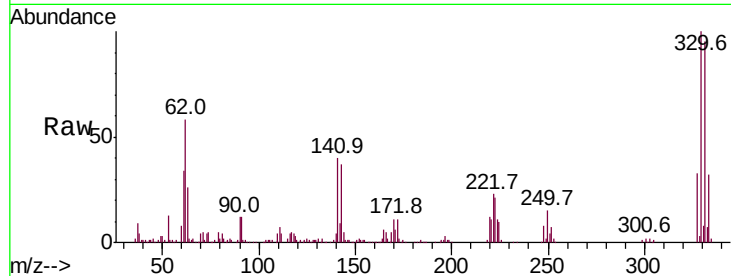
Tot Ion:248 Resp: 17016

Ion Ratio Lower Upper

248 100

250 192.6 77.0 115.6#

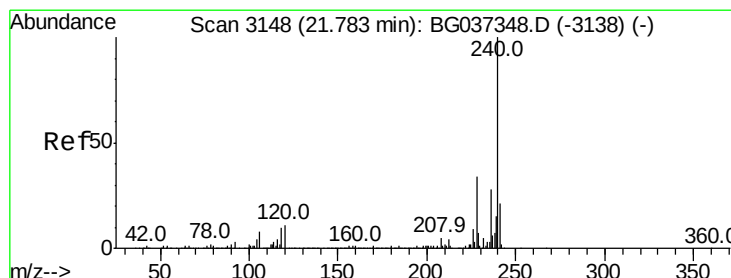
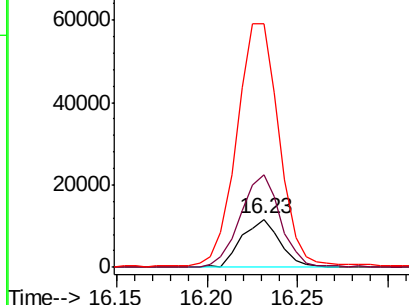
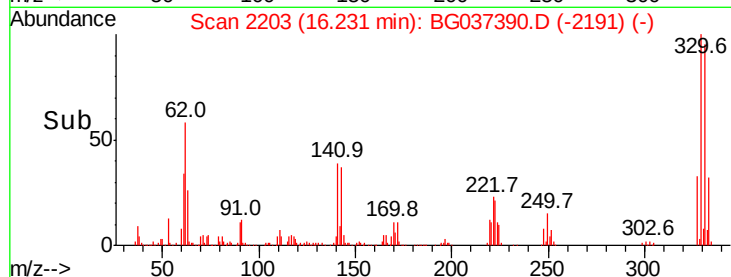
141 396.7 55.5 83.3#



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# 3146

Delta R.T. -0.02 min

Lab File: BG037390.D

Acq: 17 Oct 2018 14:04

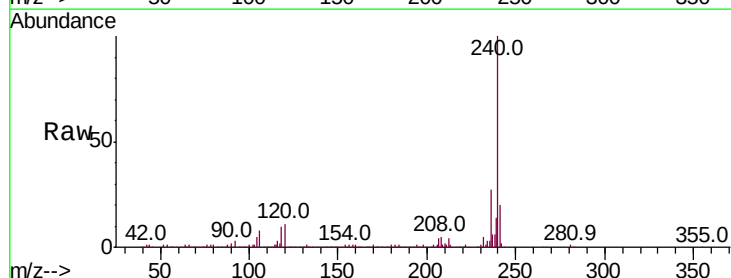
Tgt Ion:240 Resp: 450179

Ion Ratio Lower Upper

240 100

120 10.7 8.1 12.1

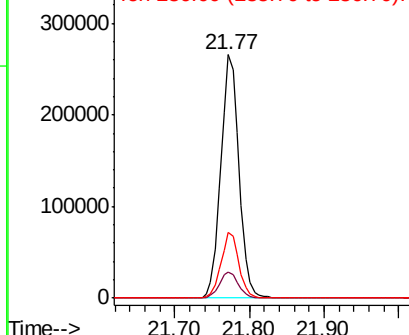
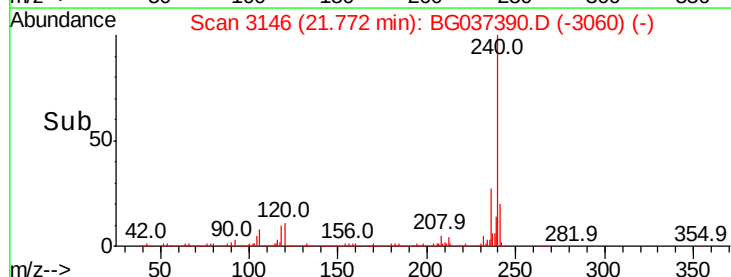
236 27.2 21.4 32.0

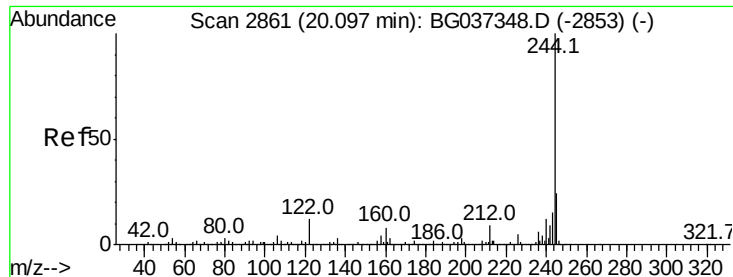


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 66.829 ng

RT: 20.09 min Scan# 2860

Delta R.T. -0.01 min

Lab File: BG037390.D

Acq: 17 Oct 2018 14:04

Instrument :

BNA_G

ClientSampled :

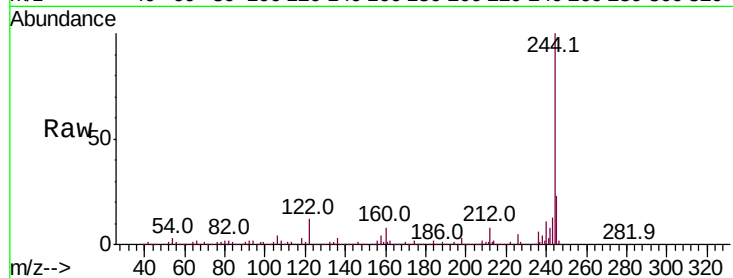
Tot Ion:244 Resp: 1432800

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

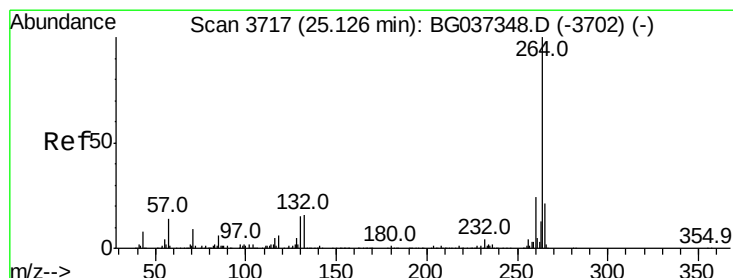
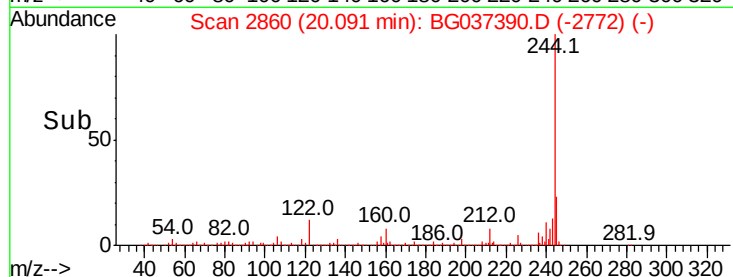
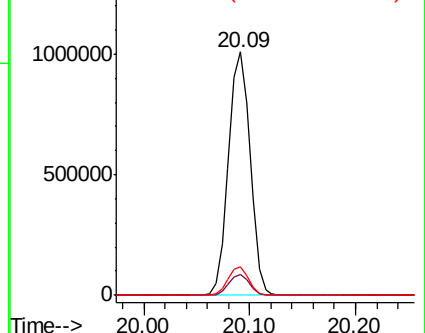
122 11.6 9.0 13.4



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# 3715

Delta R.T. -0.03 min

Lab File: BG037390.D

Acq: 17 Oct 2018 14:04

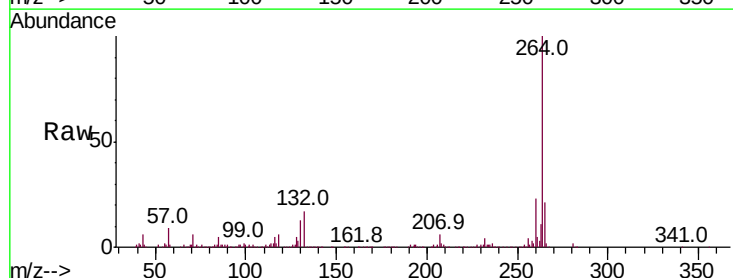
Tgt Ion:264 Resp: 460981

Ion Ratio Lower Upper

264 100

260 22.8 18.2 27.4

265 21.4 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

