

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103118\
 Data File : BG037705.D
 Acq On : 1 Nov 2018 6:04
 Operator : JU/SJ
 Sample : J5728-02
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 09:18:05 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

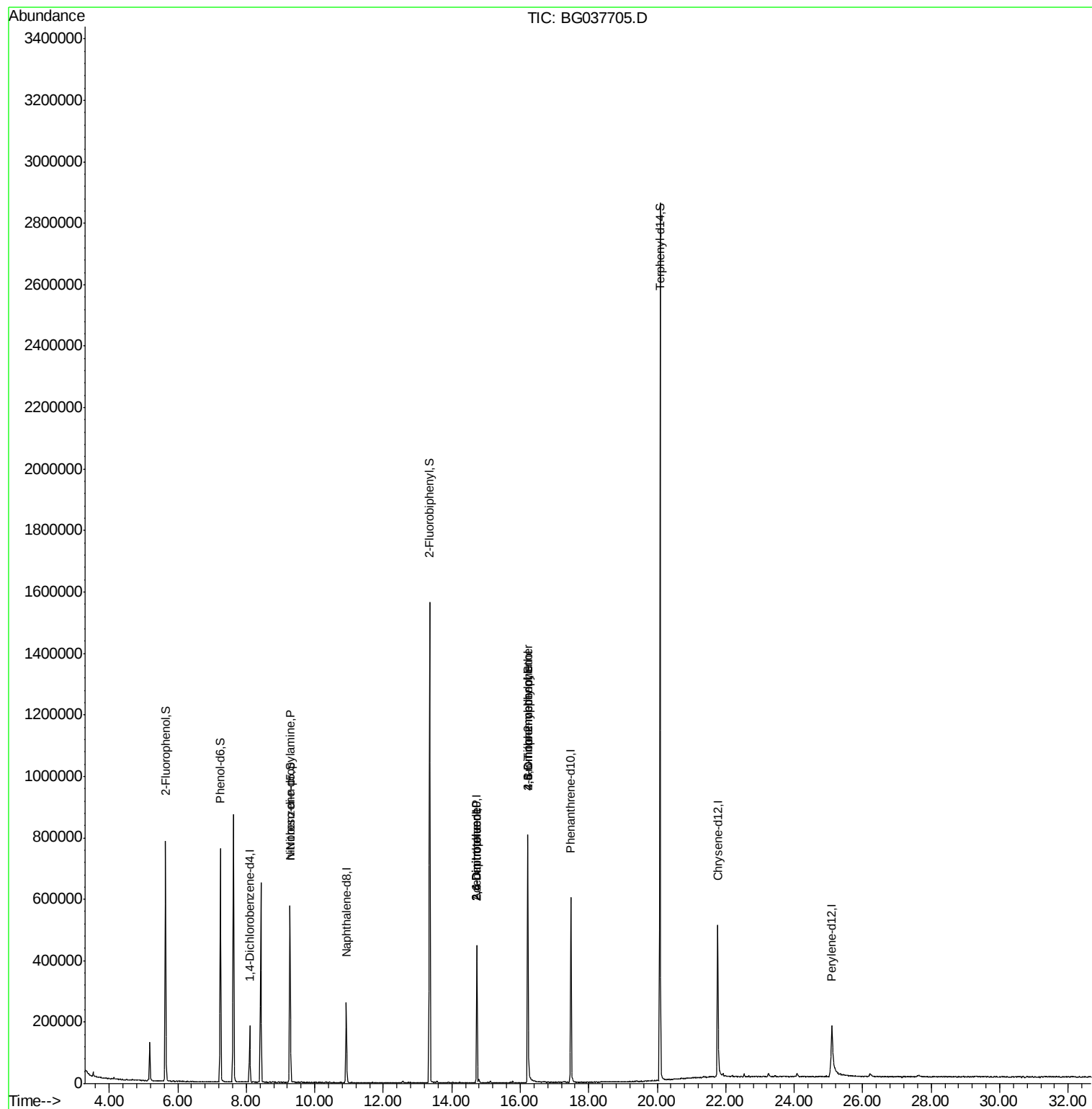
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	54989	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	238138	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	164150	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	402391	20.00	ng	0.00
76) Chrysene-d12	21.77	240	361024	20.00	ng	0.00
87) Perylene-d12	25.10	264	286156	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	371456	112.94	ng	0.00
7) Phenol-d6	7.24	99	483176	97.15	ng	0.00
23) Nitrobenzene-d5	9.28	82	361764	85.10	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	163033	91.06	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	862531	79.24	ng	-0.01
79) Terphenyl-d14	20.08	244	1408121	83.34	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.28	70	45326	13.234	ng	# 67
51) 2,6-Dinitrotoluene	14.73	165	21336	7.595	ng	# 23
54) 2,4-Dinitrophenol	14.74	184	54	6.189	ng	# 1
57) 2,4-Dinitrotoluene	14.73	165	21336	5.786	ng	# 23
65) 4,6-Dinitro-2-methylphenol	16.22	198	289	8.620	ng	79
67) 4-Bromophenyl-phenylether	16.22	248	11548	2.613	ng	# 1

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

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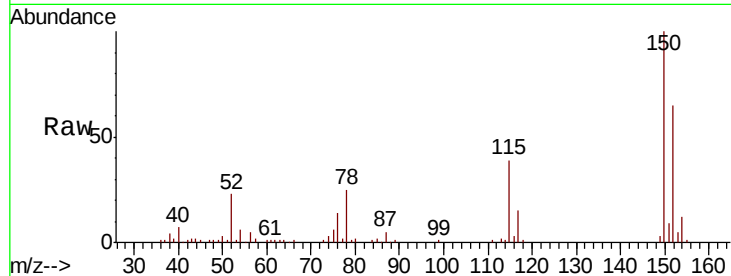


#1

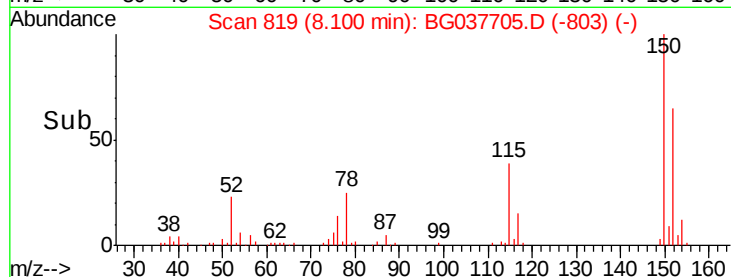
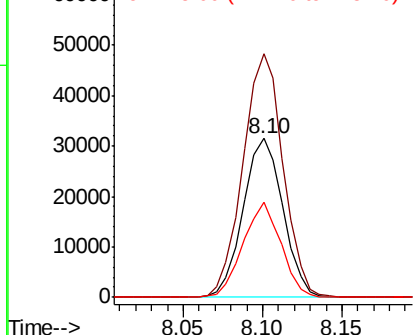
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 819
Delta R.T. -0.01 min
Lab File: BG037705.D
Acq: 1 Nov 2018 6:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 54989
Ion Ratio Lower Upper
152 100
150 153.5 126.0 189.0
115 59.8 45.5 68.3



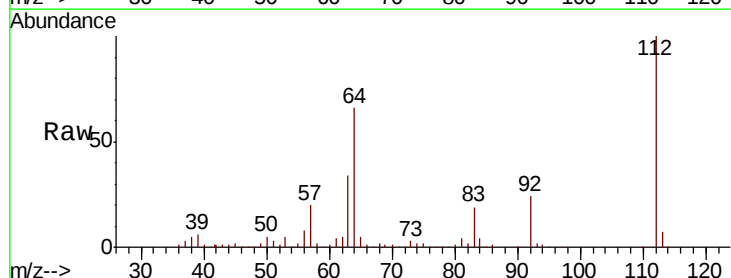
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



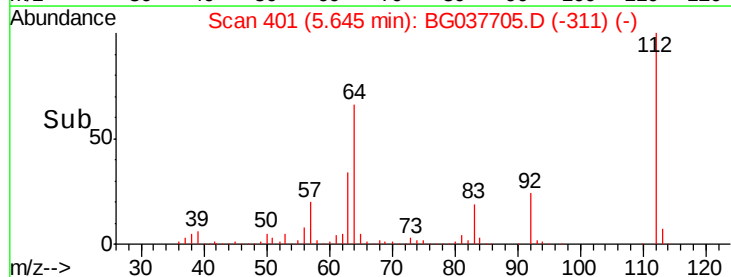
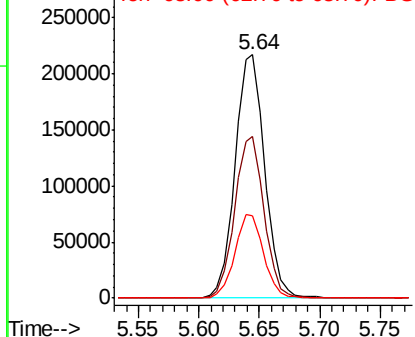
#5

2-Fluorophenol
Concen: 112.935 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037705.D
Acq: 1 Nov 2018 6:04

Tgt Ion:112 Resp: 371456
Ion Ratio Lower Upper
112 100
64 66.4 53.1 79.7
63 33.6 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: 97.149 ng

RT: 7.24 min Scan# 673

Delta R.T. -0.01 min

Lab File: BG037705.D

Acq: 1 Nov 2018 6:04

Instrument :

BNA_G

ClientSampleId :

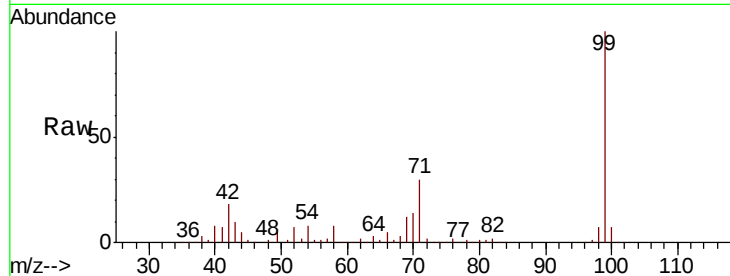
Tot Ion: 99 Resp: 483176

Ion Ratio Lower Upper

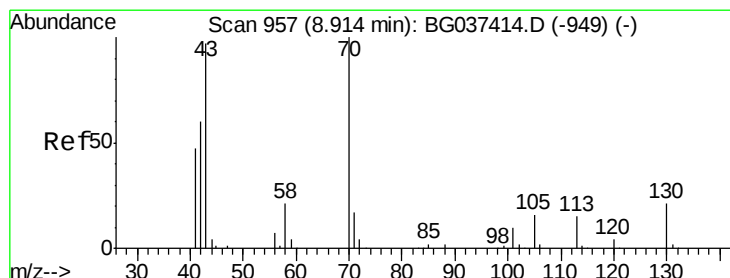
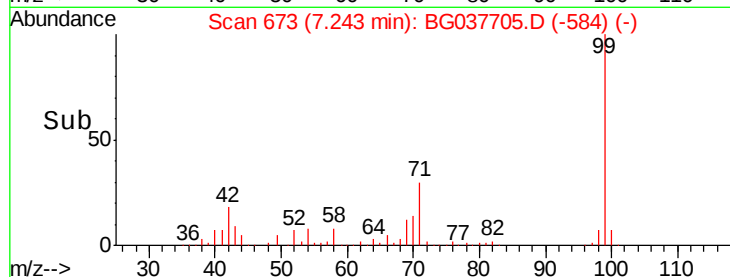
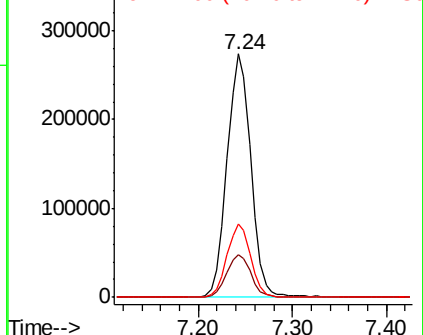
99 100

42 17.6 15.0 22.4

71 30.1 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: 13.234 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037705.D

Acq: 1 Nov 2018 6:04

Tgt Ion: 70 Resp: 45326

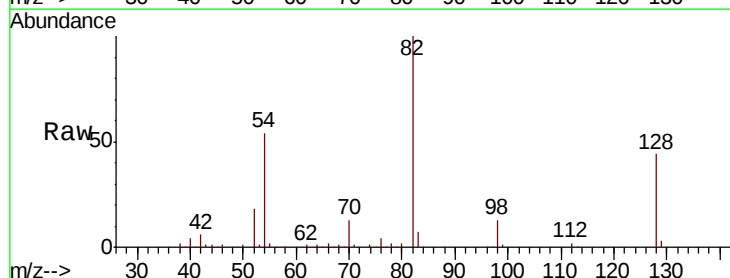
Ion Ratio Lower Upper

70 100

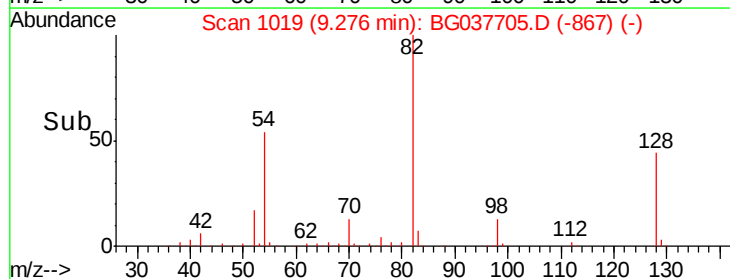
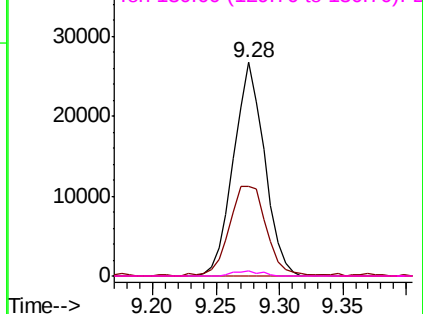
42 42.1 53.9 80.9#

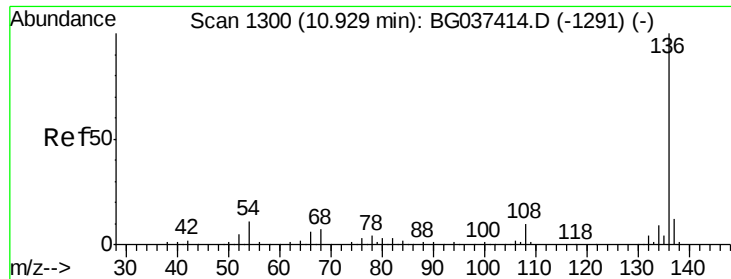
101 0.0 8.2 12.2#

130 2.3 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

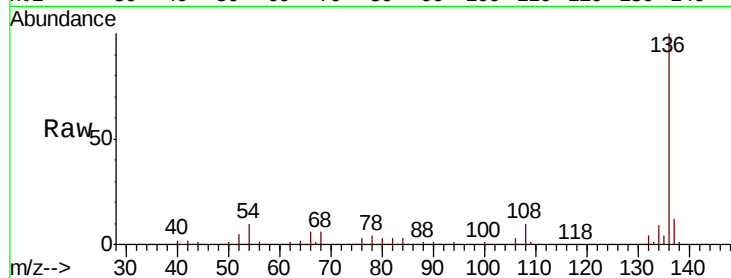




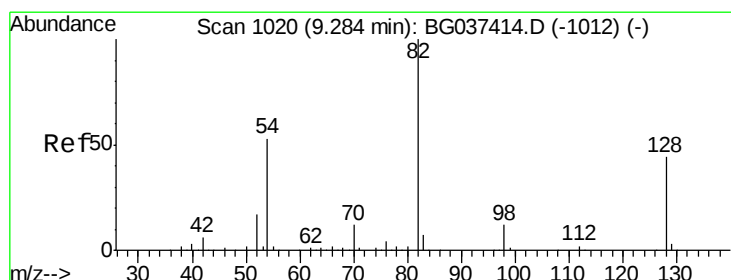
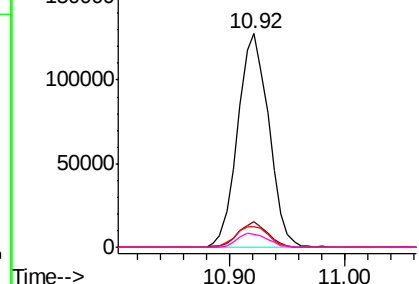
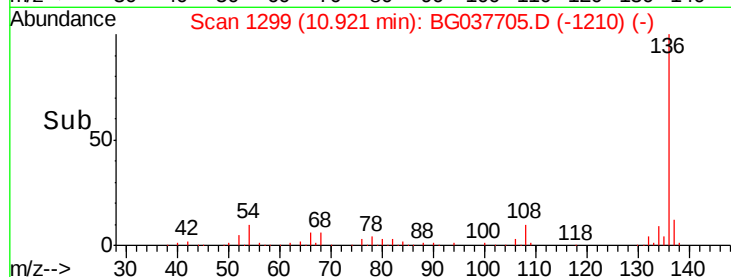
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.92 min Scan# 1299
Delta R.T. -0.01 min
Lab File: BG037705.D
Acq: 1 Nov 2018 6:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	238138
Ion Ratio	Lower	Upper
136	100	
137	11.9	9.6 14.4
54	9.9	7.9 11.9
68	6.3	4.8 7.2

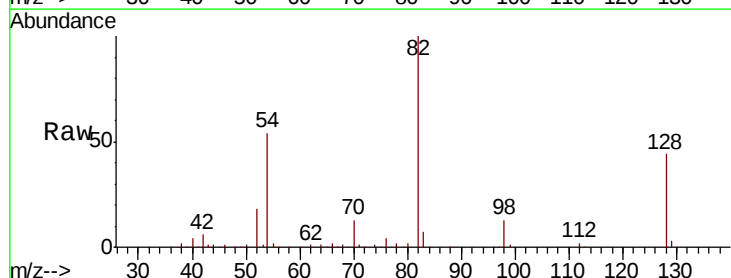


Abundance Ion 136.00 (135.70 to 136.70): E
200000
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

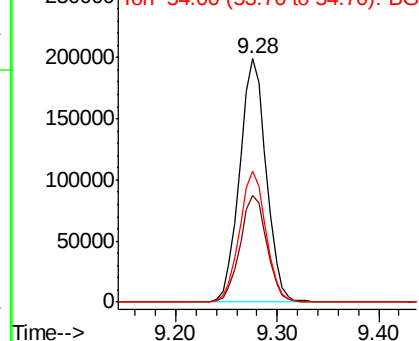
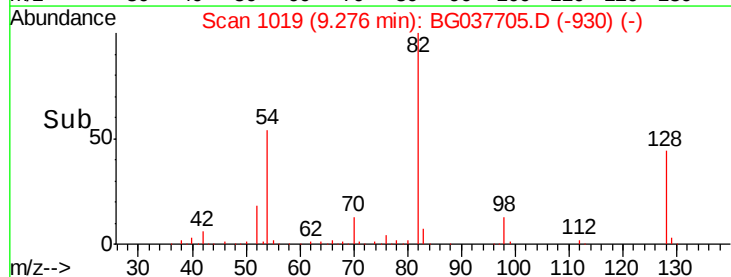


#23
Nitrobenzene-d5
Concen: 85.100 ng
RT: 9.28 min Scan# 1019
Delta R.T. -0.01 min
Lab File: BG037705.D
Acq: 1 Nov 2018 6:04

Tgt Ion: 82	Resp:	361764
Ion Ratio	Lower	Upper
82	100	
128	44.0	34.6 51.8
54	53.7	45.3 67.9



Abundance Ion 82.00 (81.70 to 82.70): BGC
250000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1948

Delta R.T. -0.01 min

Lab File: BG037705.D

Acq: 1 Nov 2018 6:04

Instrument :

BNA_G

ClientSampleId :

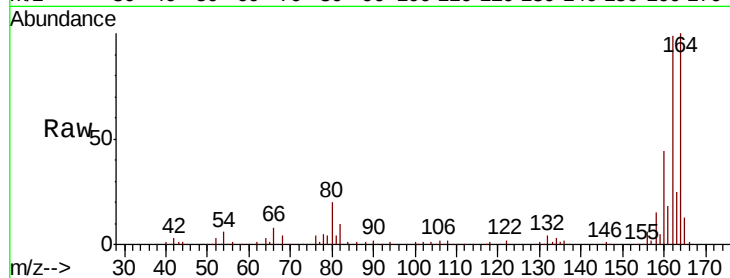
Tot Ion:164 Resp: 164150

Ion Ratio Lower Upper

164 100

162 99.4 81.3 121.9

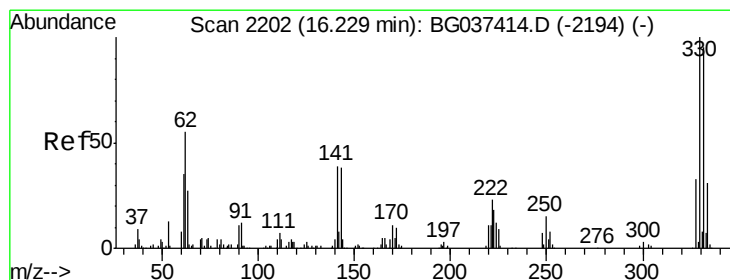
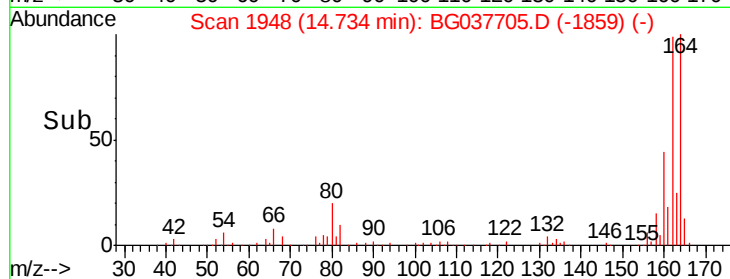
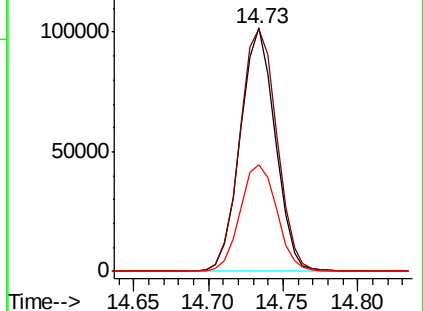
160 43.7 36.3 54.5



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: 91.061 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037705.D

Acq: 1 Nov 2018 6:04

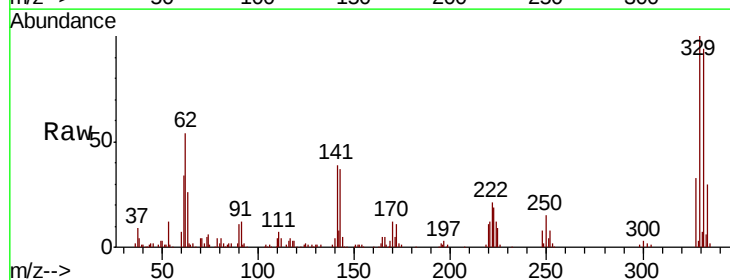
Tgt Ion:330 Resp: 163033

Ion Ratio Lower Upper

330 100

332 95.3 78.4 117.6

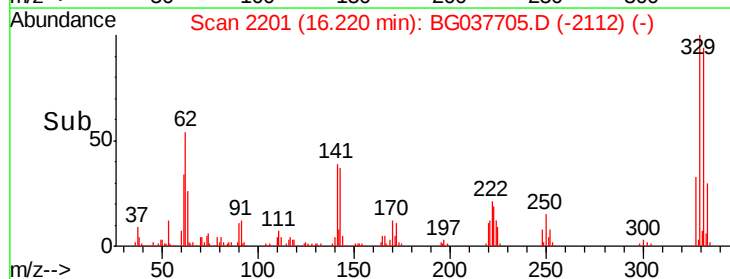
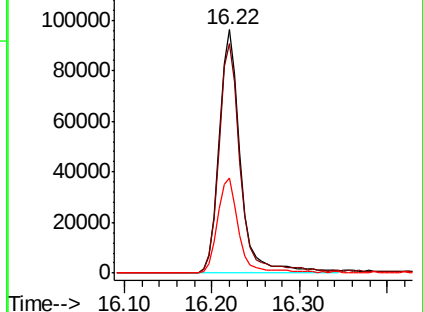
141 38.8 32.2 48.2



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

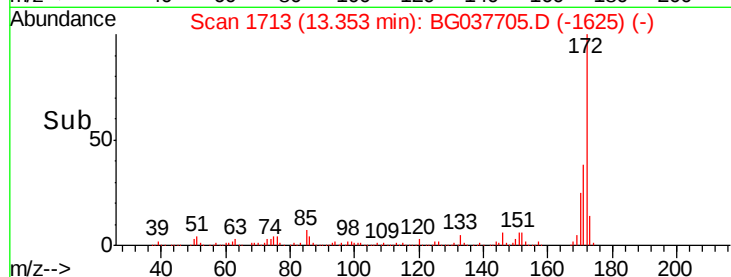
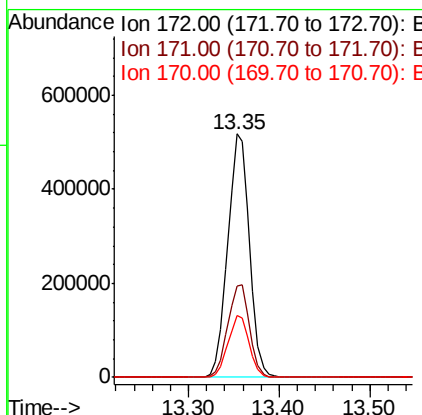
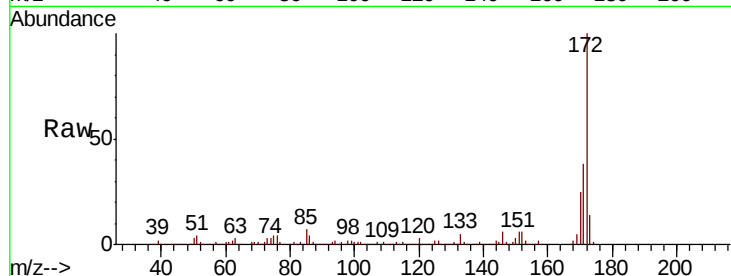




#45
 2-Fluorobiphenyl
 Concen: 79.235 ng
 RT: 13.35 min Scan# 1713
 Delta R.T. -0.01 min
 Lab File: BG037705.D
 Acq: 1 Nov 2018 6:04

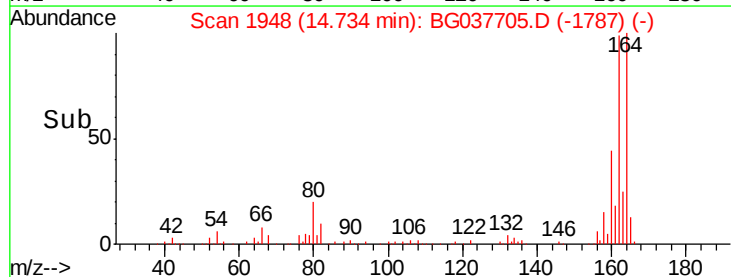
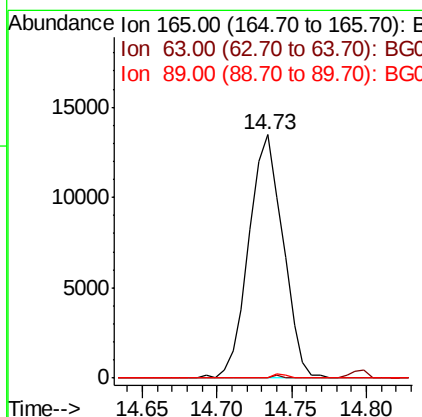
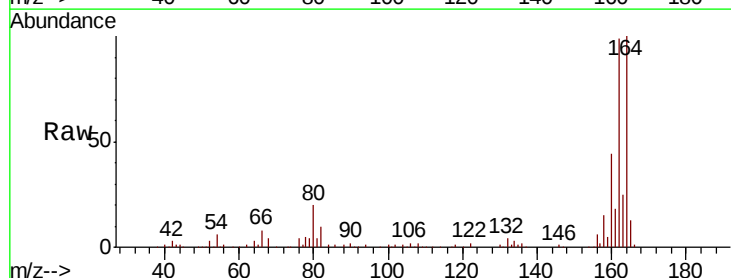
Instrument :
 BNA_G
 ClientSampleId :

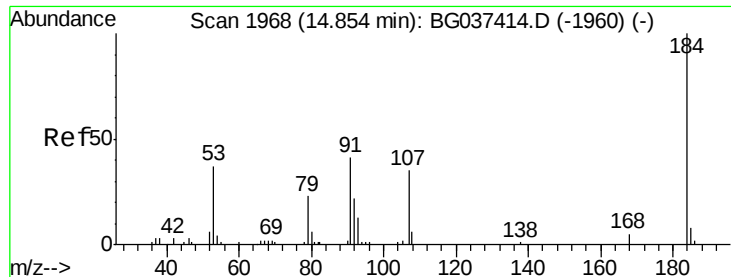
Tot Ion	Ratio	Lower	Upper
172	100		
171	37.7	31.0	46.4
170	25.5	20.2	30.2



#51
 2,6-Dinitrotoluene
 Concen: 7.595 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. 0.41 min
 Lab File: BG037705.D
 Acq: 1 Nov 2018 6:04

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

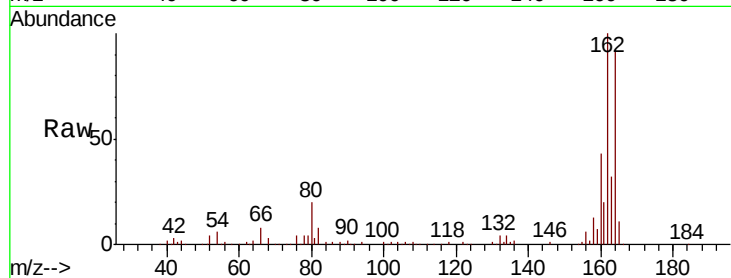




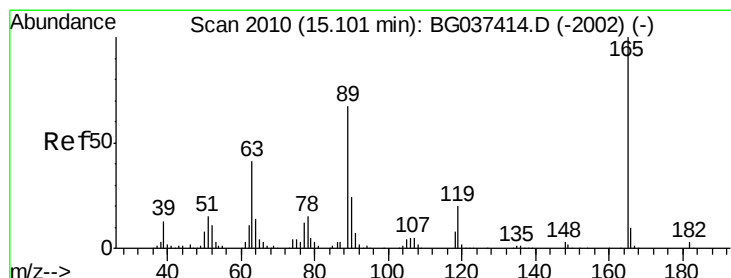
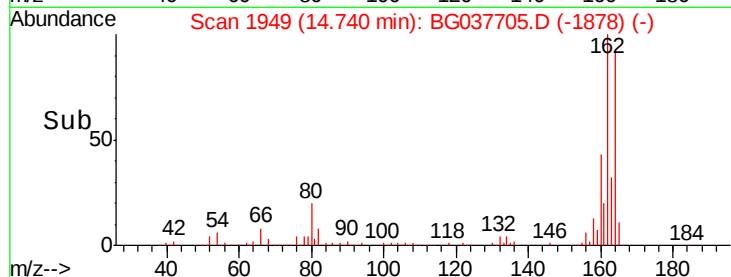
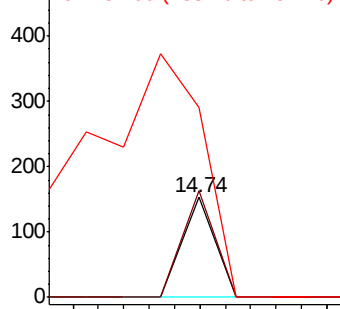
#54
 2,4-Dinitrophenol
 Concen: 6.189 ng
 RT: 14.74 min Scan# 1949
 Delta R.T. -0.11 min
 Lab File: BG037705.D
 Acq: 1 Nov 2018 6:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:184 Resp: 54
 Ion Ratio Lower Upper
 184 100
 63 107.2 42.6 63.8#
 154 189.5 41.8 62.6#

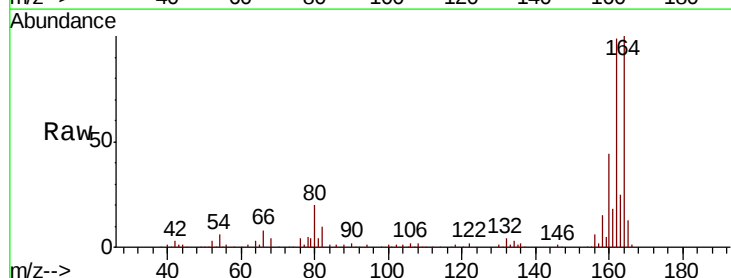


Abundance Ion 184.00 (183.70 to 184.70): E
 Ion 63.00 (62.70 to 63.70): BG
 Ion 154.00 (153.70 to 154.70): E

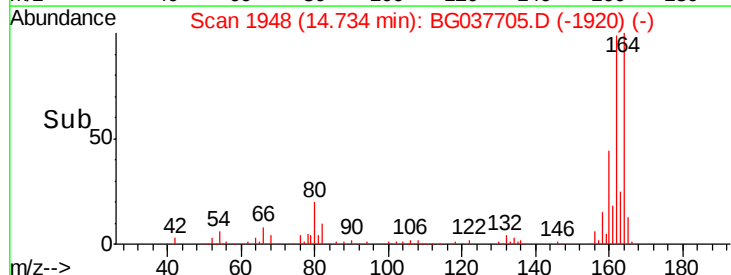
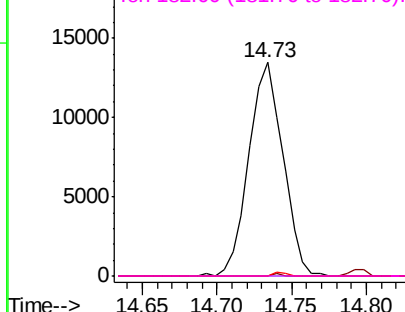


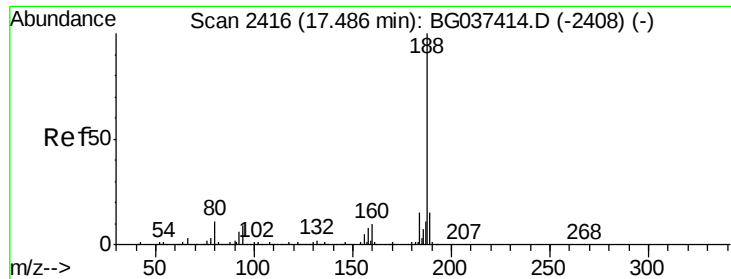
#57
 2,4-Dinitrotoluene
 Concen: 5.786 ng
 RT: 14.73 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037705.D
 Acq: 1 Nov 2018 6:04

Tgt Ion:165 Resp: 21336
 Ion Ratio Lower Upper
 165 100
 63 0.0 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): BG
 Ion 89.00 (88.70 to 89.70): BG
 Ion 182.00 (181.70 to 182.70): E

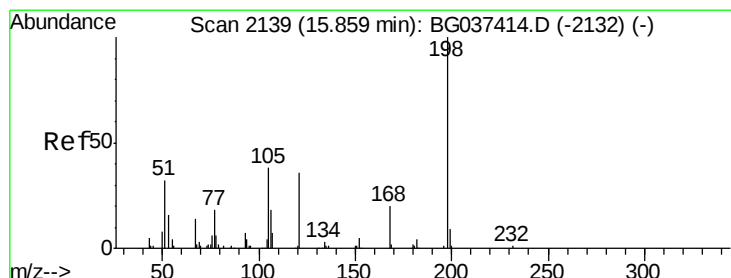
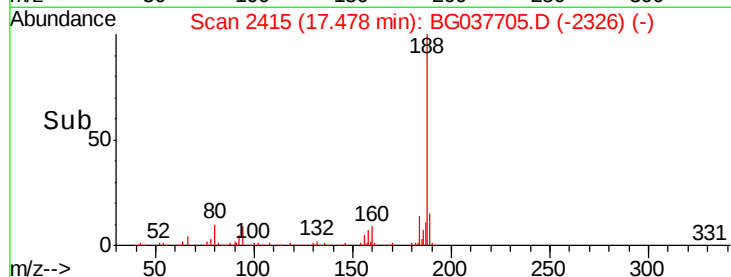
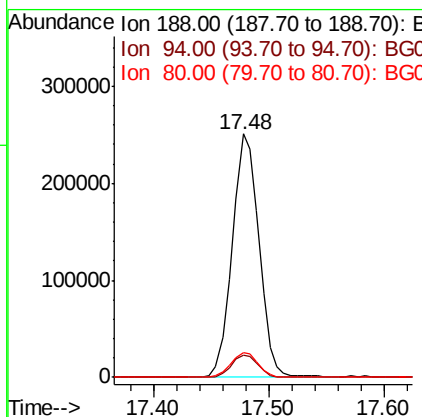
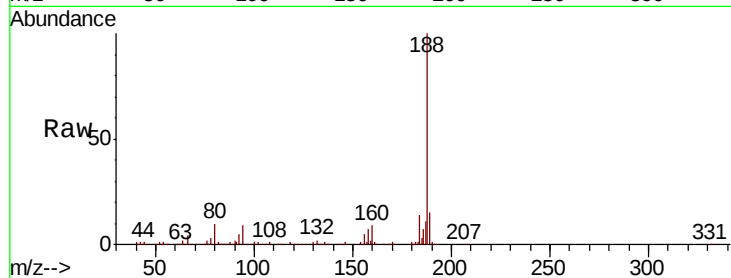




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BG037705.D
Acq: 1 Nov 2018 6:04

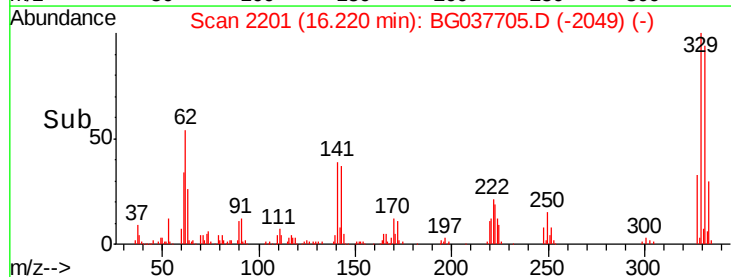
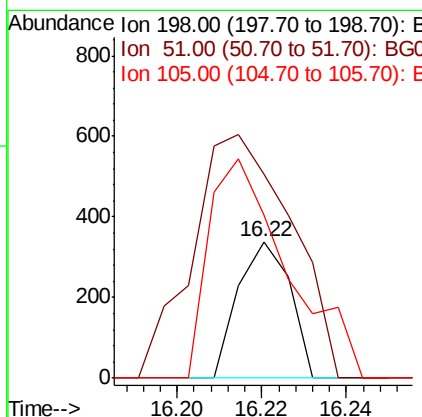
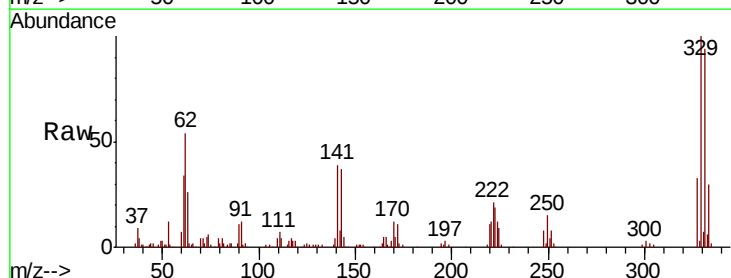
Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 402391
Ion Ratio Lower Upper
188 100
94 8.9 7.2 10.8
80 9.9 7.7 11.5



#65
4,6-Dinitro-2-methylphenol
Concen: 8.620 ng
RT: 16.22 min Scan# 2201
Delta R.T. 0.36 min
Lab File: BG037705.D
Acq: 1 Nov 2018 6:04

Tgt Ion:198 Resp: 289
Ion Ratio Lower Upper
198 100
51 31.1 22.7 62.7
105 24.8 19.7 59.7





#67

4-Bromophenyl-phenylether

Concen: 2.613 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.45 min

Lab File: BG037705.D

Acq: 1 Nov 2018 6:04

Instrument :

BNA_G

ClientSampled :

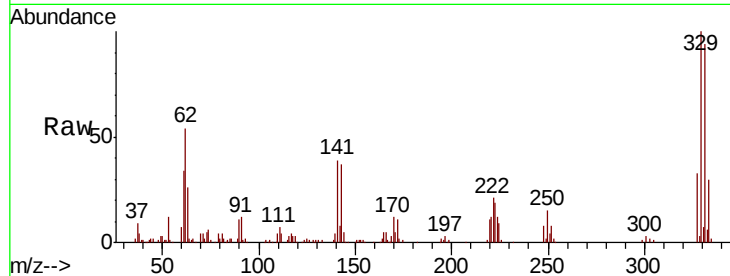
Tot Ion:248 Resp: 11548

Ion Ratio Lower Upper

248 100

250 197.2 77.0 115.6#

141 401.8 55.5 83.3#

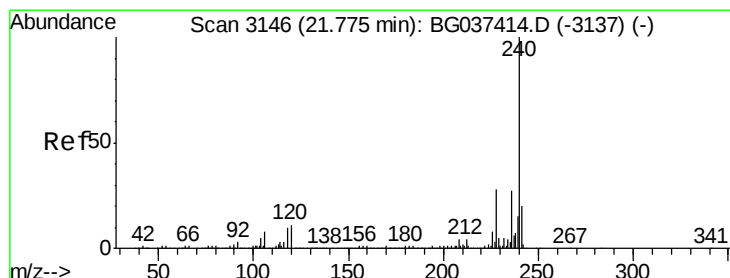
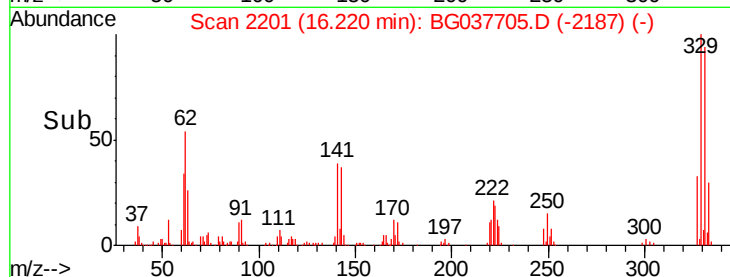
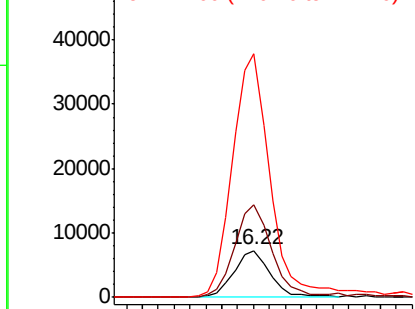


Abundance

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: BG037705.D

Acq: 1 Nov 2018 6:04

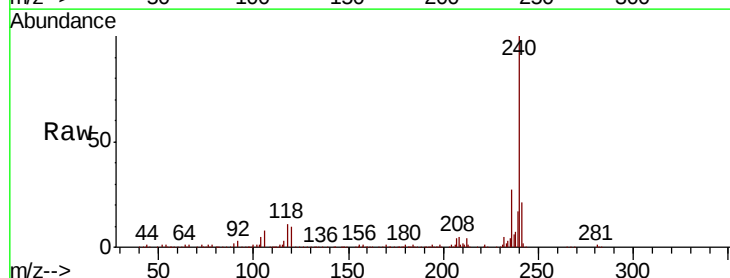
Tgt Ion:240 Resp: 361024

Ion Ratio Lower Upper

240 100

120 10.2 8.1 12.1

236 27.3 21.4 32.0

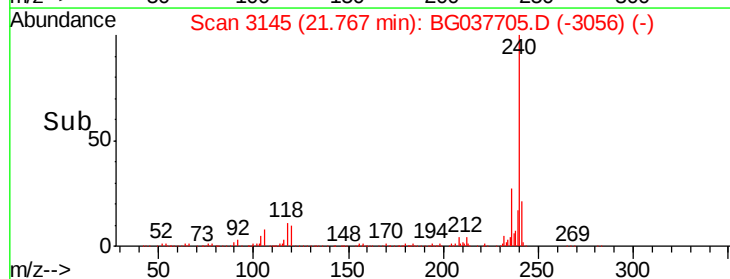
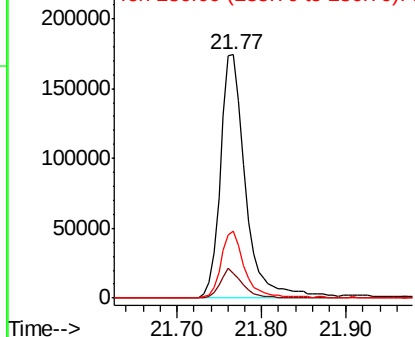


Abundance

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: 83.341 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037705.D

Acq: 1 Nov 2018 6:04

Instrument :

BNA_G

ClientSampleId :

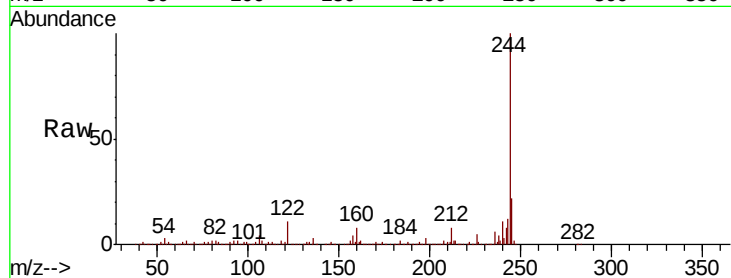
Tot Ion:244 Resp: 1408121

Ion Ratio Lower Upper

244 100

212 8.3 6.5 9.7

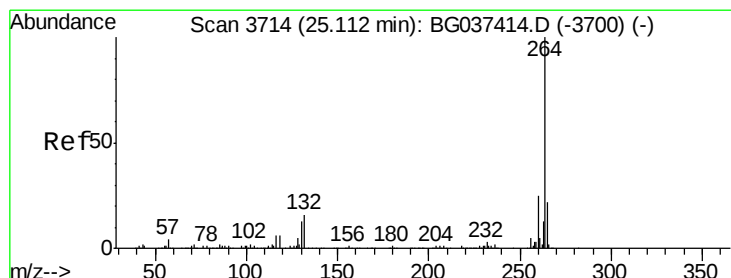
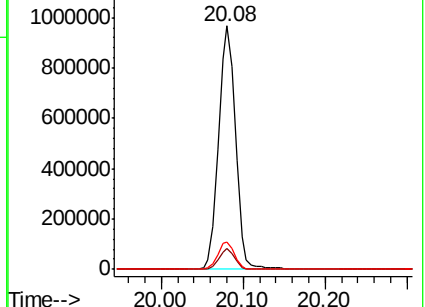
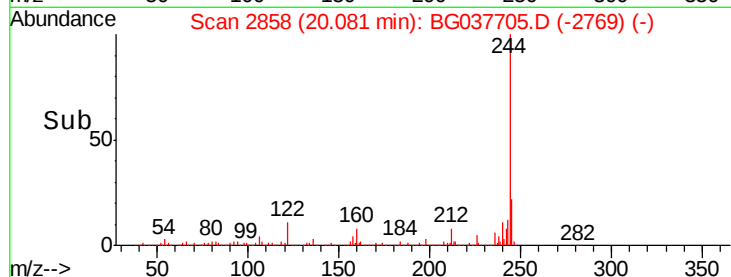
122 11.3 9.0 13.4



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: 25.10 min Scan# 3712

Delta R.T. -0.01 min

Lab File: BG037705.D

Acq: 1 Nov 2018 6:04

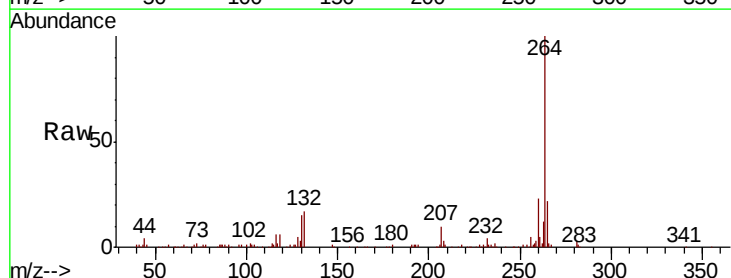
Tgt Ion:264 Resp: 286156

Ion Ratio Lower Upper

264 100

260 23.0 18.2 27.4

265 22.3 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

