

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103118\
 Data File : BG037714.D
 Acq On : 1 Nov 2018 11:57
 Operator : JU/SJ
 Sample : J5731-08
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Nov 01 14:20:19 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

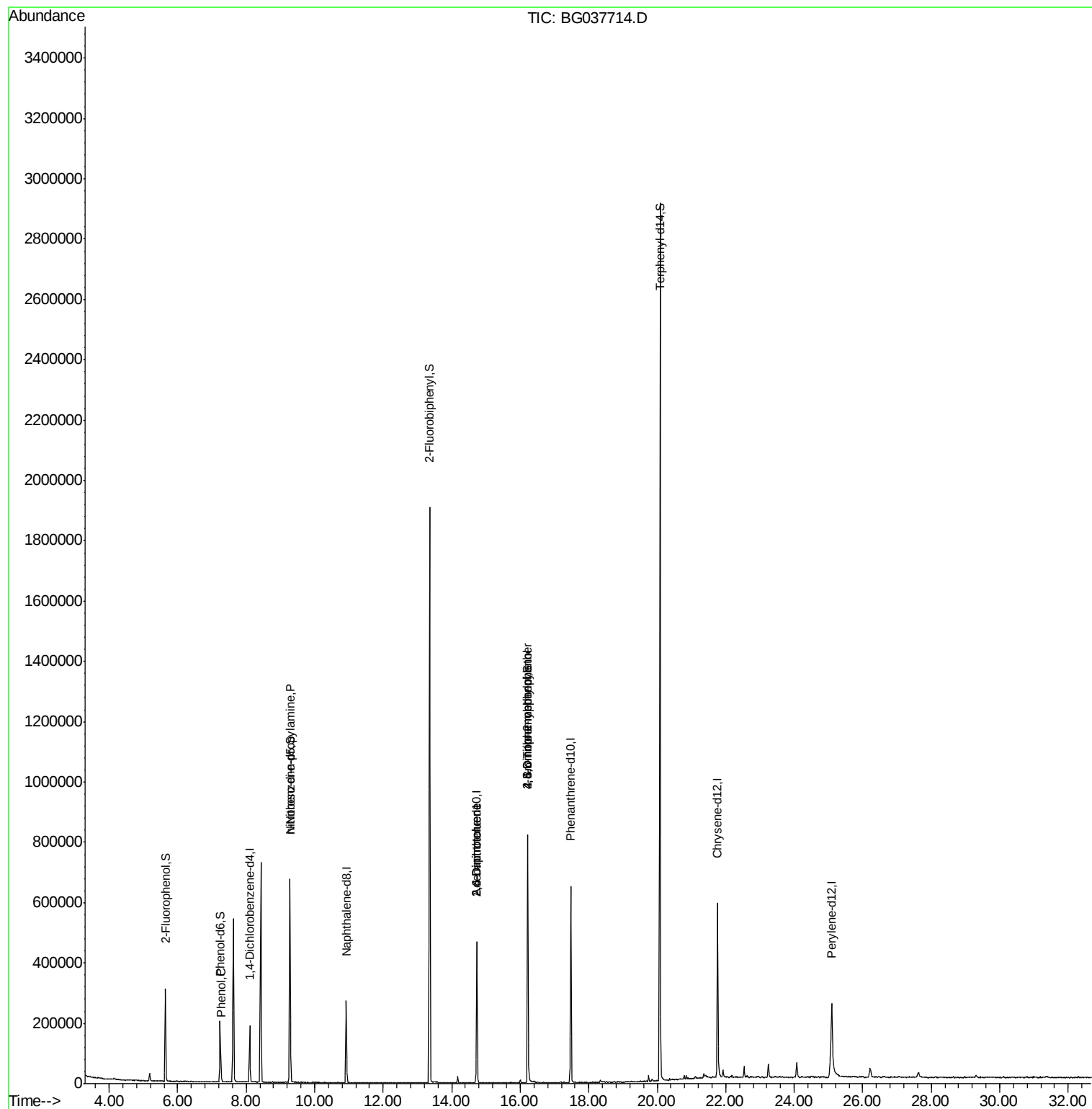
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	58553	20.00	ng	-0.01
21) Naphthalene-d8	10.92	136	255056	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	176435	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	415996	20.00	ng	0.00
76) Chrysene-d12	21.76	240	378990	20.00	ng	-0.01
87) Perylene-d12	25.09	264	345926	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	142421	40.67	ng	0.00
7) Phenol-d6	7.24	99	131611	24.85	ng	-0.01
23) Nitrobenzene-d5	9.28	82	429394	94.31	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	164929	85.71	ng	0.00
45) 2-Fluorobiphenyl	13.35	172	1025837	87.68	ng	-0.01
79) Terphenyl-d14	20.08	244	1476173	83.23	ng	0.00
Target Compounds						
10) Phenol	7.27	94	17772	3.181	ng	97
19) n-Nitroso-di-n-propylamine	9.28	70	54106	14.837	ng	# 74
51) 2,6-Dinitrotoluene	14.74	165	22698	7.517	ng	# 25
57) 2,4-Dinitrotoluene	14.74	165	22698	5.727	ng	# 24
65) 4,6-Dinitro-2-methylphenol	16.22	198	247	8.601	ng	88
67) 4-Bromophenyl-phenylether	16.22	248	12357	2.705	ng	# 1

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

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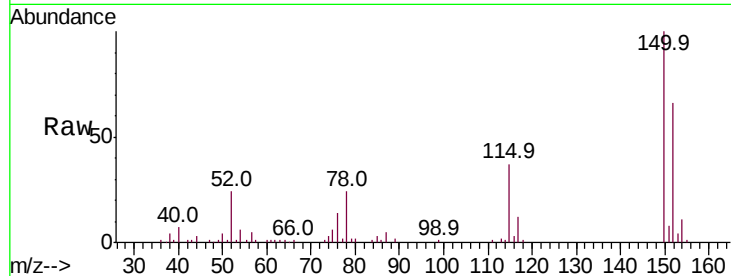


#1

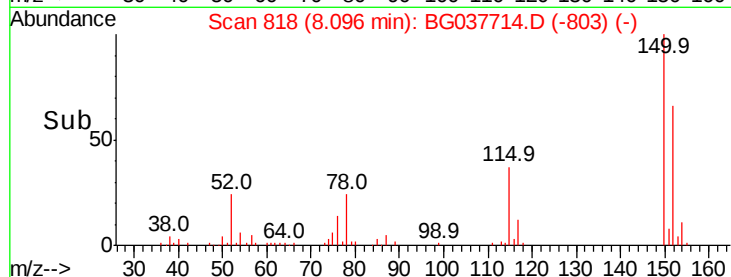
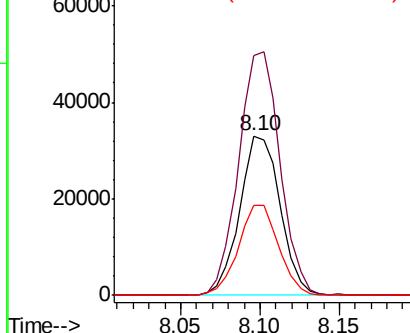
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 818
Delta R.T. -0.01 min
Lab File: BG037714.D
Acq: 1 Nov 2018 11:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 58553
Ion Ratio Lower Upper
152 100
150 150.5 126.0 189.0
115 56.1 45.5 68.3



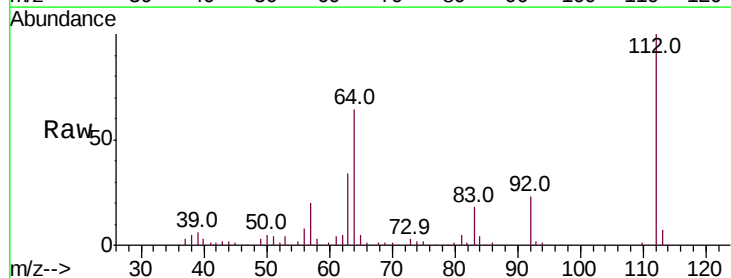
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



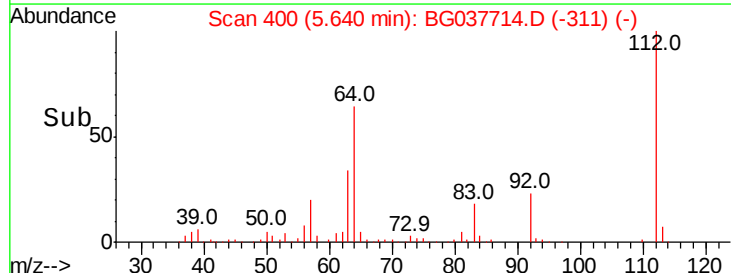
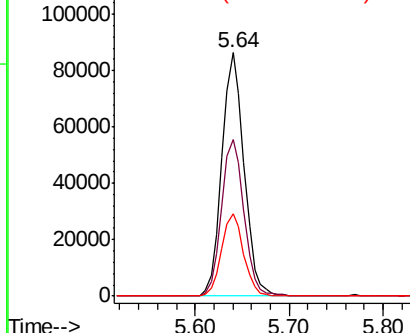
#5

2-Fluorophenol
Concen: 40.665 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG037714.D
Acq: 1 Nov 2018 11:57

Tgt Ion:112 Resp: 142421
Ion Ratio Lower Upper
112 100
64 64.4 53.1 79.7
63 33.8 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: 24.852 ng

RT: 7.24 min Scan# 672

Delta R.T. -0.01 min

Lab File: BG037714.D

Acq: 1 Nov 2018 11:57

Instrument :

BNA_G

ClientSampleId :

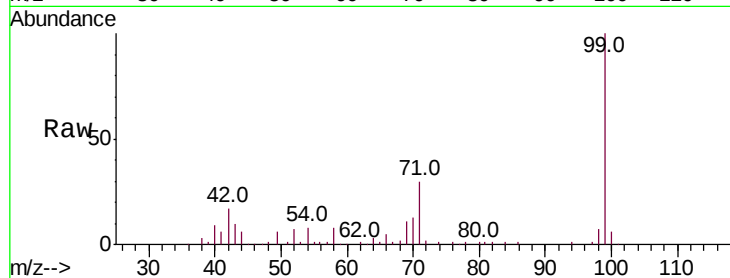
Tot Ion: 99 Resp: 131611

Ion Ratio Lower Upper

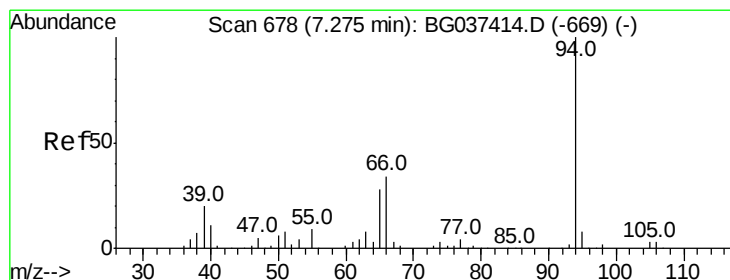
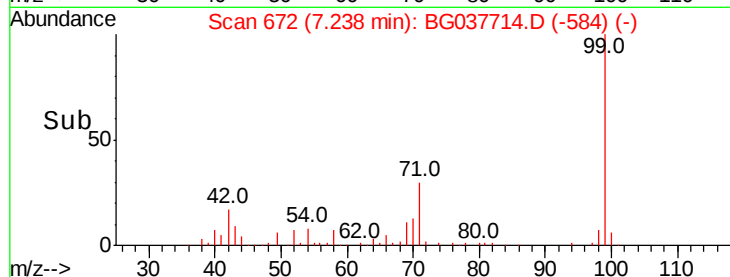
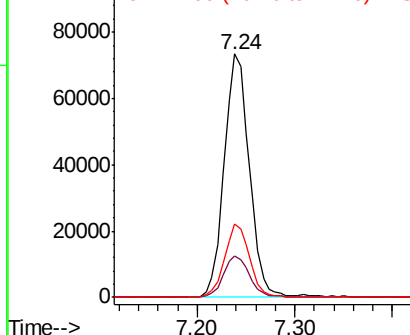
99 100

42 17.2 15.0 22.4

71 30.3 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



#10

Phenol

Concen: 3.181 ng

RT: 7.27 min Scan# 677

Delta R.T. -0.01 min

Lab File: BG037714.D

Acq: 1 Nov 2018 11:57

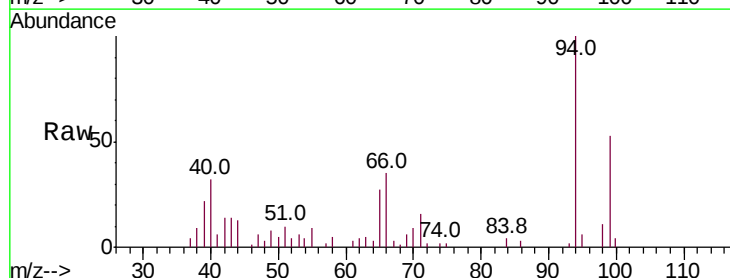
Tgt Ion: 94 Resp: 17772

Ion Ratio Lower Upper

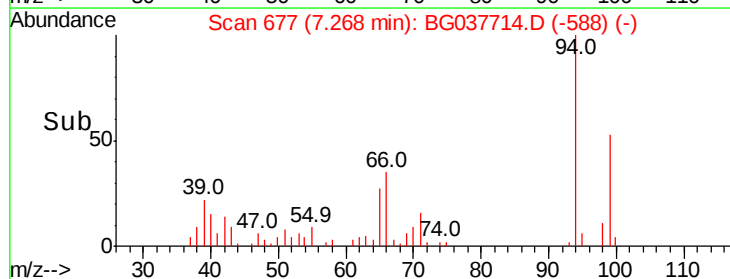
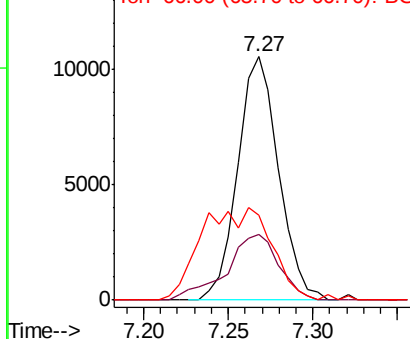
94 100

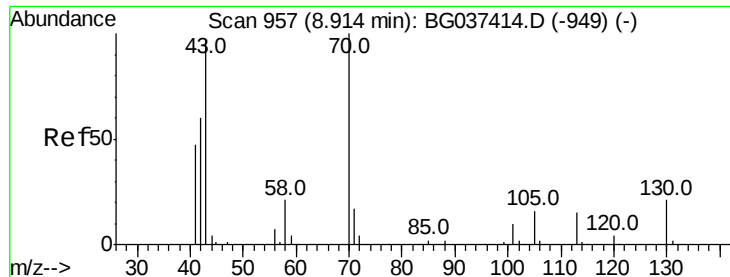
65 27.0 9.7 49.7

66 34.7 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: 14.837 ng

RT: 9.28 min Scan# 1019

Delta R.T. 0.36 min

Lab File: BG037714.D

Acq: 1 Nov 2018 11:57

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 54106

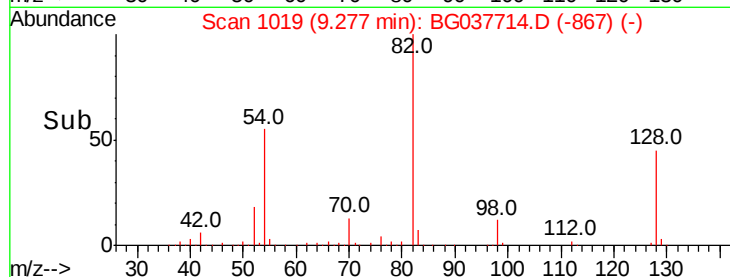
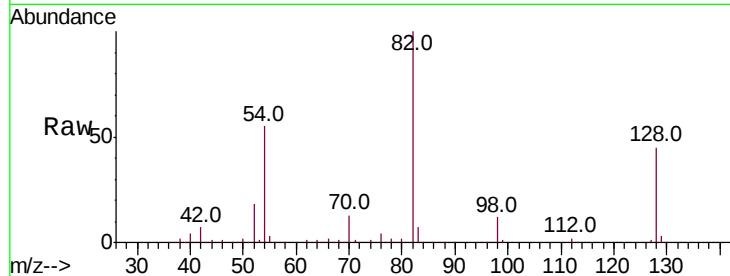
Ion Ratio Lower Upper

70 100

42 50.3 53.9 80.9#

101 0.0 8.2 12.2#

130 2.9 18.2 27.4#

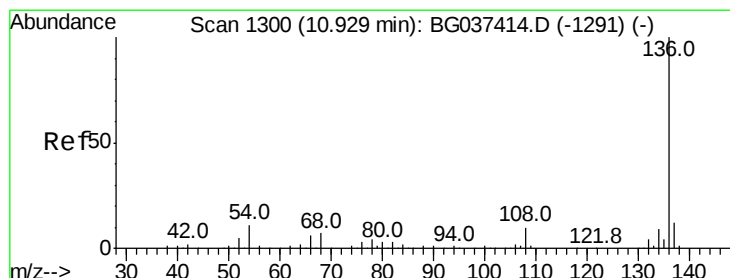
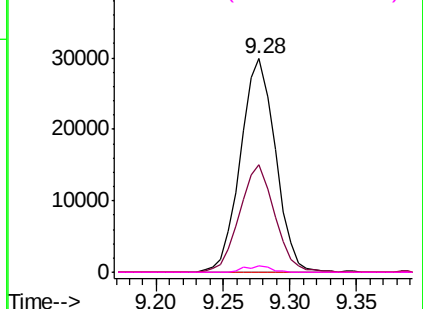


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: BG037714.D

Acq: 1 Nov 2018 11:57

Tgt Ion: 136 Resp: 255056

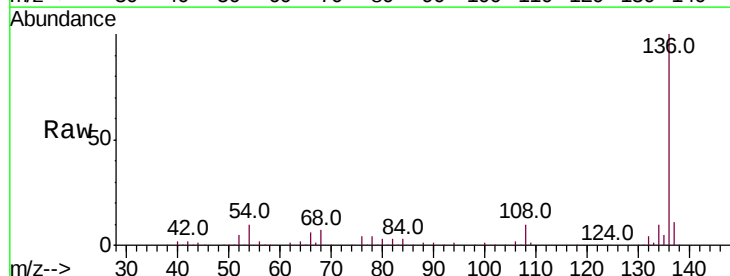
Ion Ratio Lower Upper

136 100

137 11.0 9.6 14.4

54 9.5 7.9 11.9

68 6.5 4.8 7.2

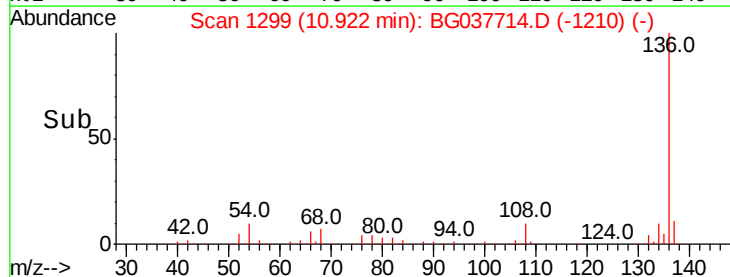
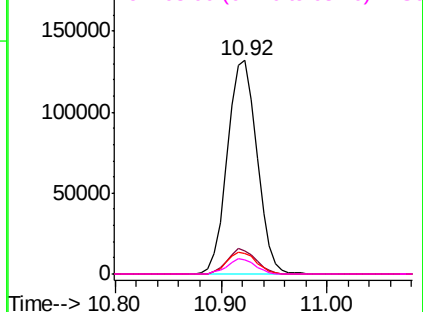


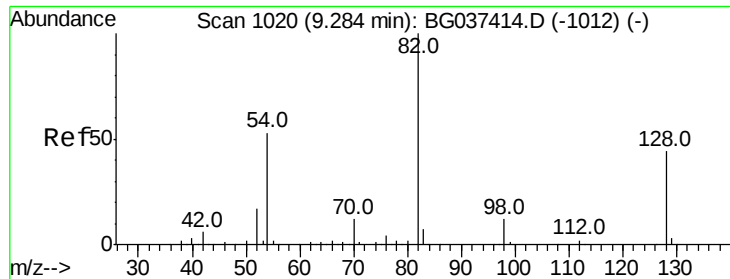
Abundance Ion 136.00 (135.70 to 136.70): BGC

Ion 137.00 (136.70 to 137.70): BGC

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC

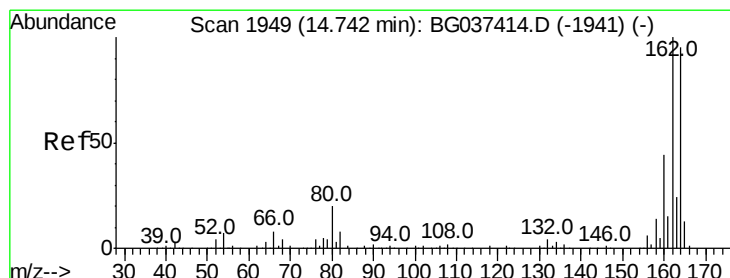
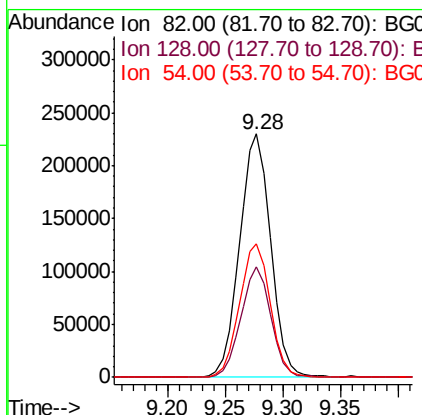
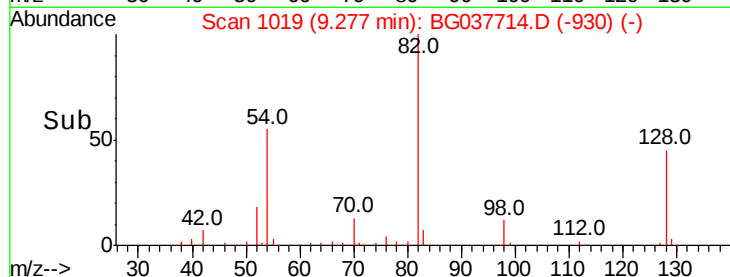
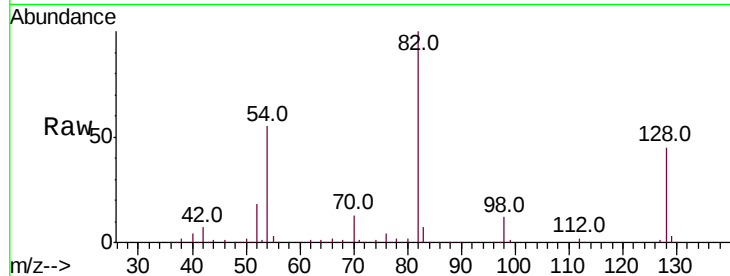




#23
 Nitrobenzene-d5
 Concen: 94.310 ng
 RT: 9.28 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: BG037714.D
 Acq: 1 Nov 2018 11:57

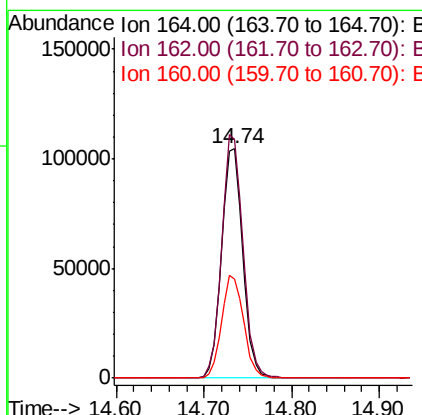
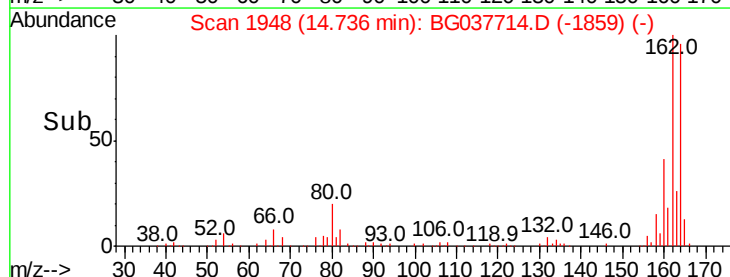
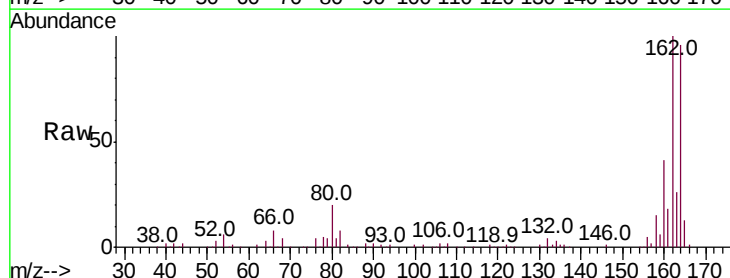
Instrument :
 BNA_G
 ClientSampleID :

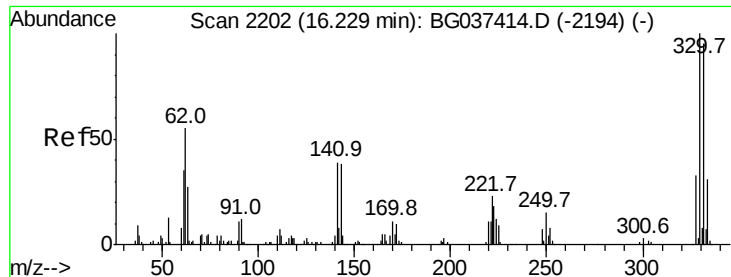
Tot Ion: 82 Resp: 429394
 Ion Ratio Lower Upper
 82 100
 128 45.2 34.6 51.8
 54 54.7 45.3 67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.01 min
 Lab File: BG037714.D
 Acq: 1 Nov 2018 11:57

Tgt Ion: 164 Resp: 176435
 Ion Ratio Lower Upper
 164 100
 162 104.0 81.3 121.9
 160 43.1 36.3 54.5





#42

2,4,6-Tribromophenol

Concen: 85.706 ng

RT: 16.22 min Scan# 2201

Delta R.T. -0.01 min

Lab File: BG037714.D

Acq: 1 Nov 2018 11:57

Instrument :

BNA_G

ClientSampleId :

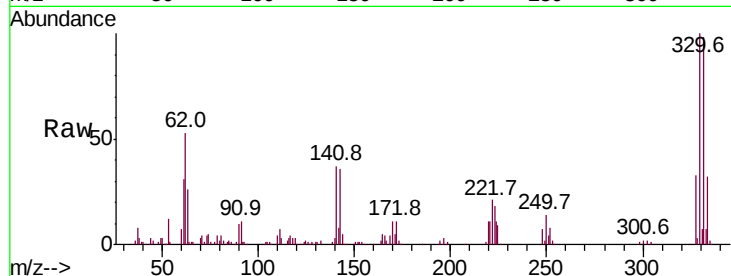
Tot Ion:330 Resp: 164929

Ion Ratio Lower Upper

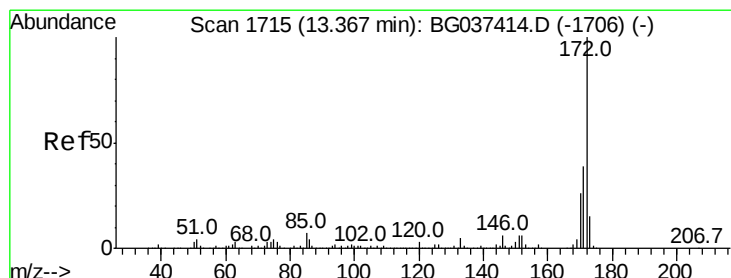
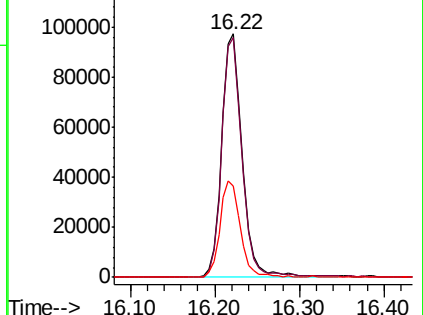
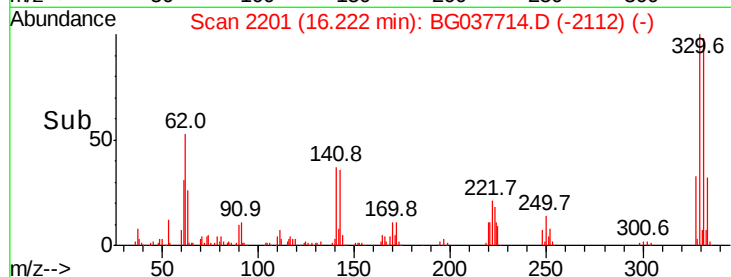
330 100

332 96.1 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: 87.676 ng

RT: 13.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: BG037714.D

Acq: 1 Nov 2018 11:57

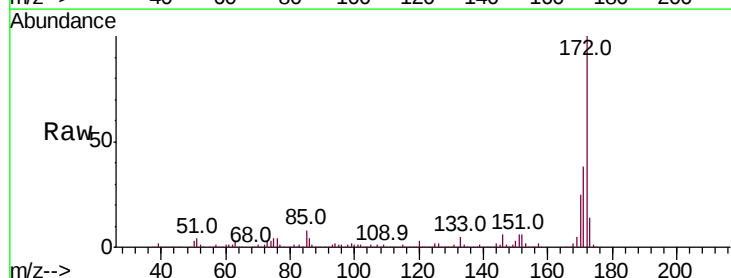
Tgt Ion:172 Resp: 1025837

Ion Ratio Lower Upper

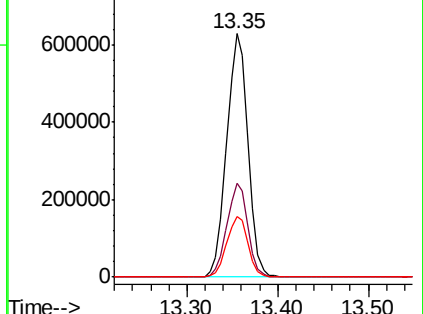
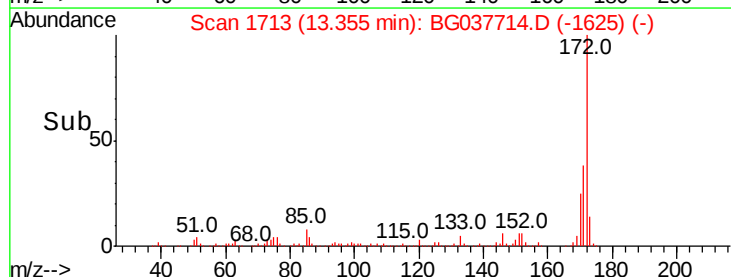
172 100

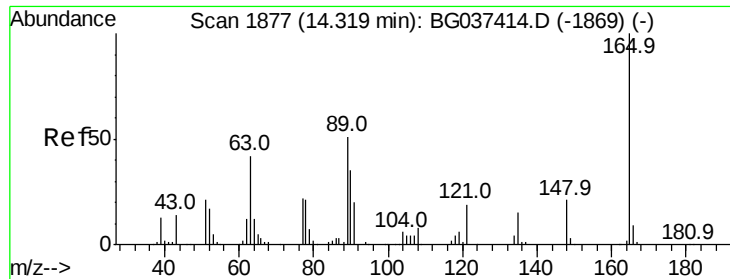
171 38.5 31.0 46.4

170 24.9 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

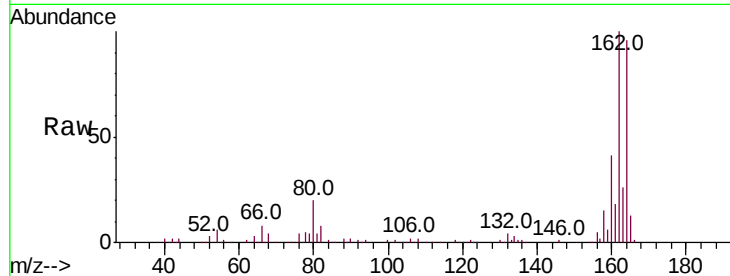




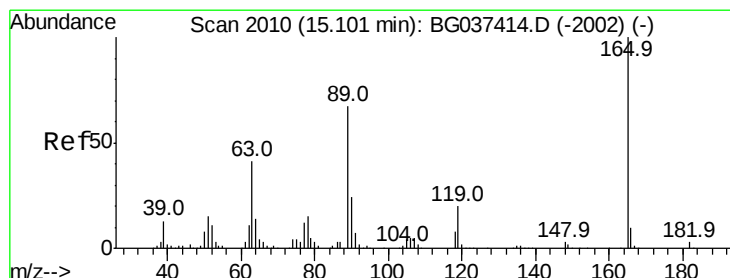
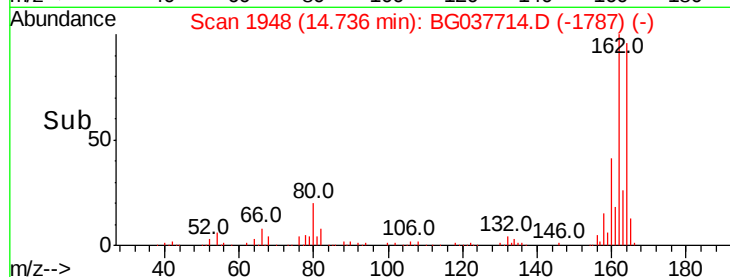
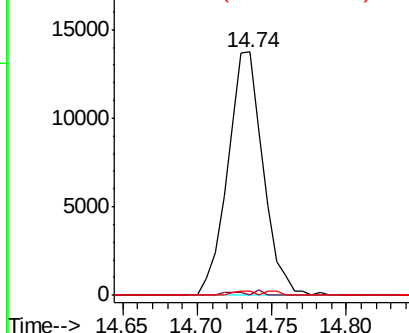
#51
 2,6-Dinitrotoluene
 Concen: 7.517 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. 0.42 min
 Lab File: BG037714.D
 Acq: 1 Nov 2018 11:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.4	65.2#
89	1.7	45.8	68.6#



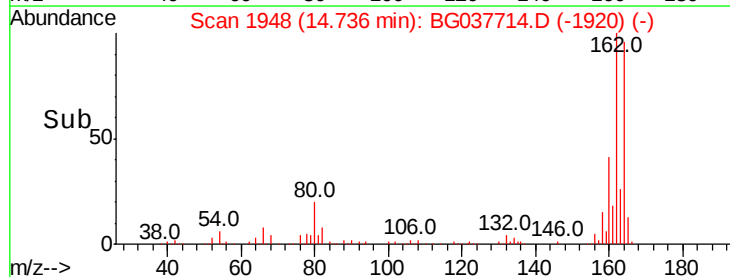
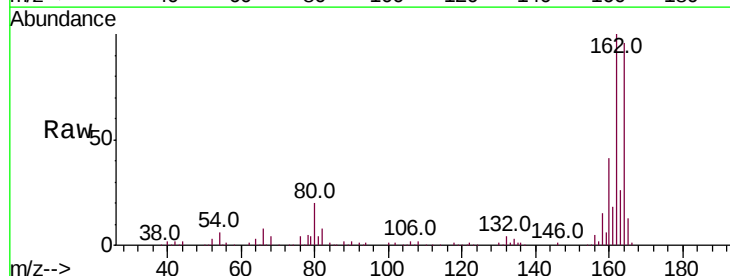
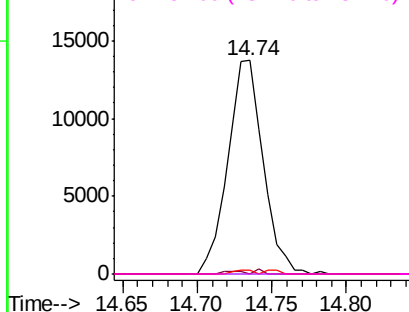
Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

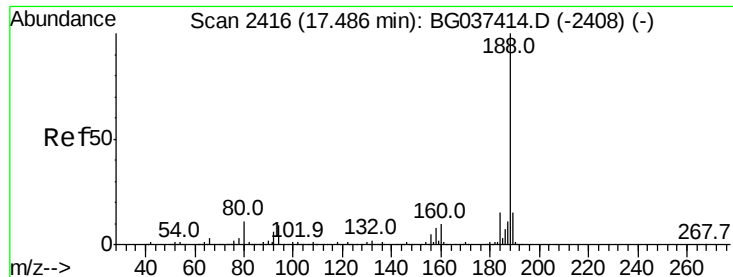


#57
 2,4-Dinitrotoluene
 Concen: 5.727 ng
 RT: 14.74 min Scan# 1948
 Delta R.T. -0.37 min
 Lab File: BG037714.D
 Acq: 1 Nov 2018 11:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.4	50.0#
89	1.7	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

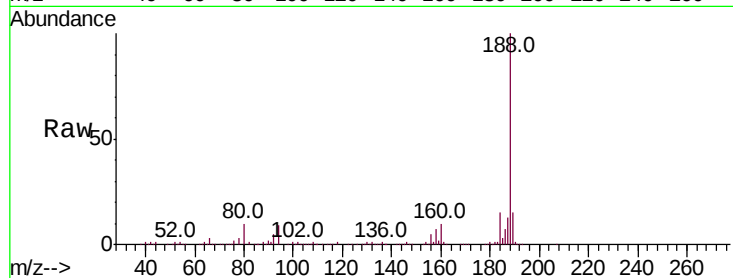




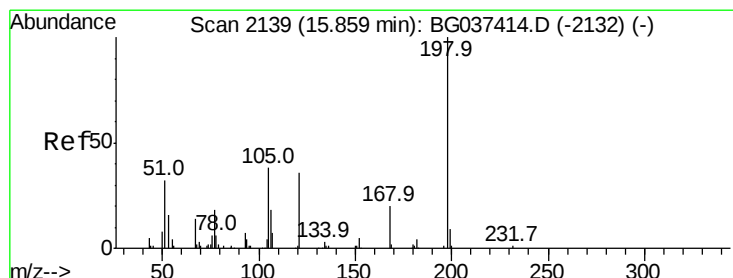
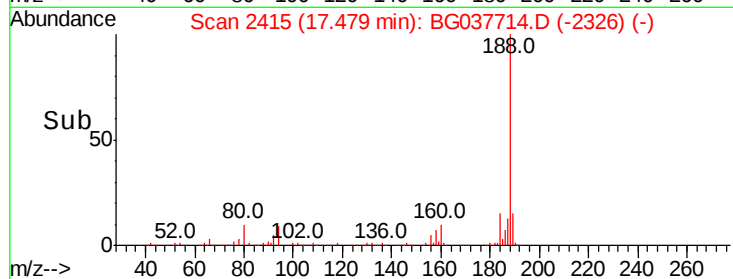
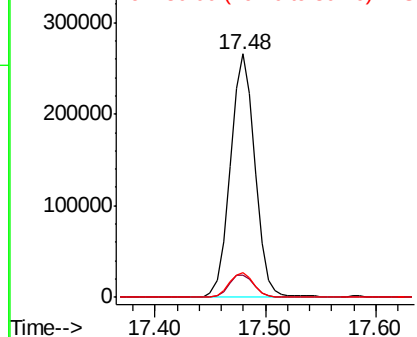
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.48 min Scan# 2415
Delta R.T. -0.01 min
Lab File: BG037714.D
Acq: 1 Nov 2018 11:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 415996
Ion Ratio Lower Upper
188 100
94 9.0 7.2 10.8
80 9.9 7.7 11.5

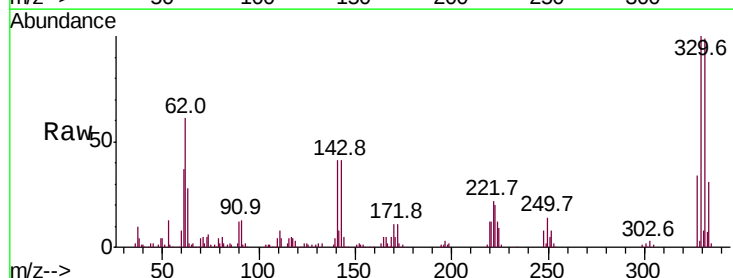


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BG
Ion 80.00 (79.70 to 80.70): BG

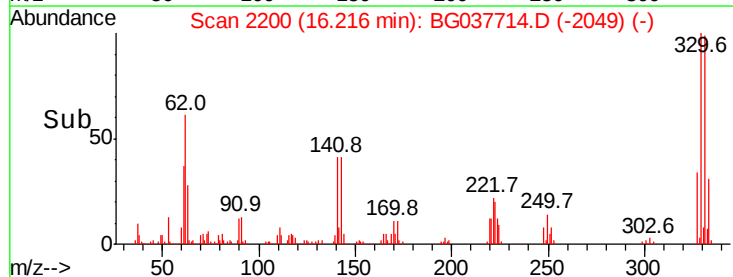
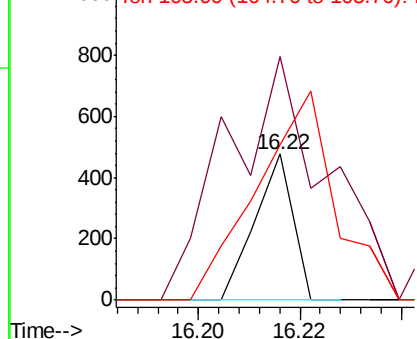


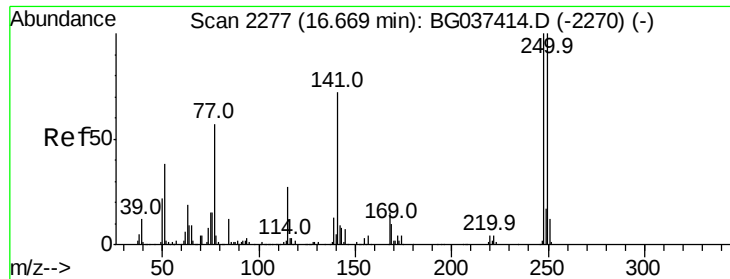
#65
4,6-Dinitro-2-methylphenol
Concen: 8.601 ng
RT: 16.22 min Scan# 2200
Delta R.T. 0.36 min
Lab File: BG037714.D
Acq: 1 Nov 2018 11:57

Tgt Ion:198 Resp: 247
Ion Ratio Lower Upper
198 100
51 41.3 22.7 62.7
105 26.4 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

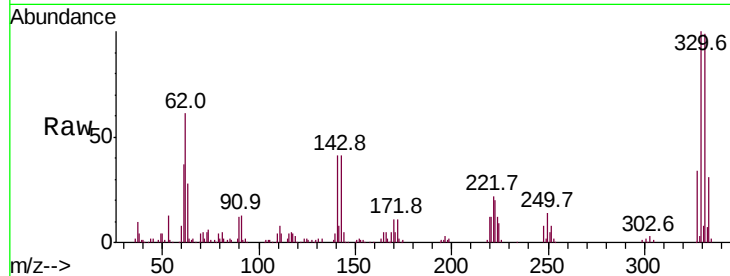




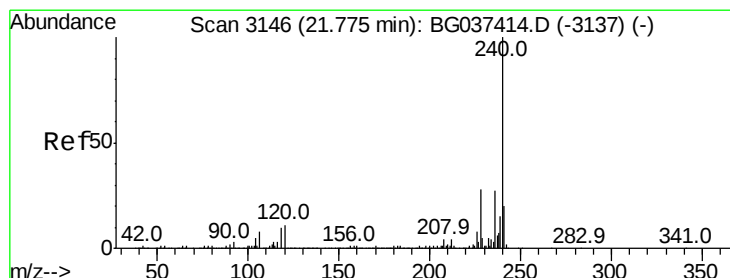
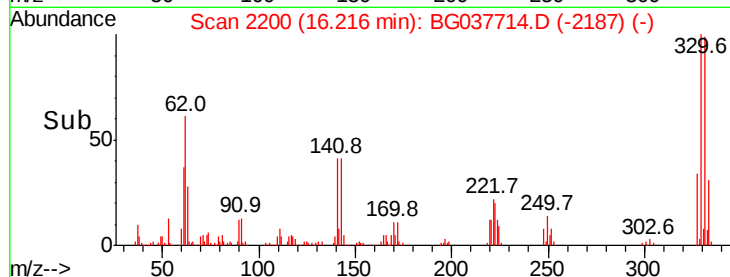
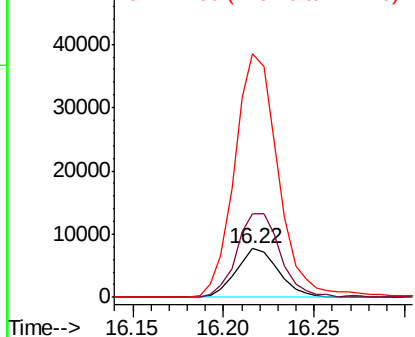
#67
4-Bromophenyl-phenylether
Concen: 2.705 ng
RT: 16.22 min Scan# 2200
Delta R.T. -0.45 min
Lab File: BG037714.D
Acq: 1 Nov 2018 11:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 12357
Ion Ratio Lower Upper
248 100
250 181.2 77.0 115.6#
141 394.3 55.5 83.3#

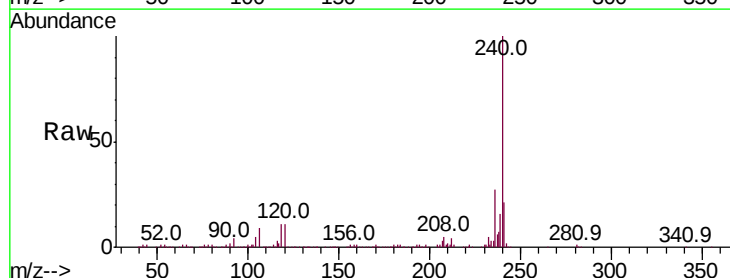


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

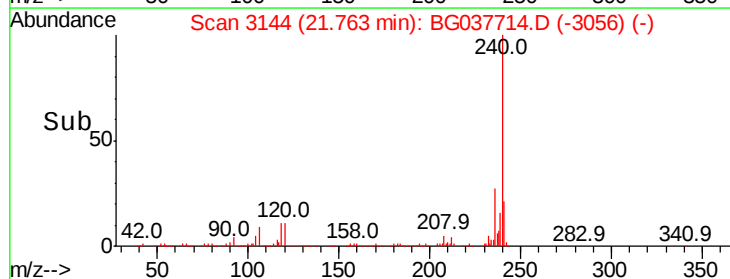
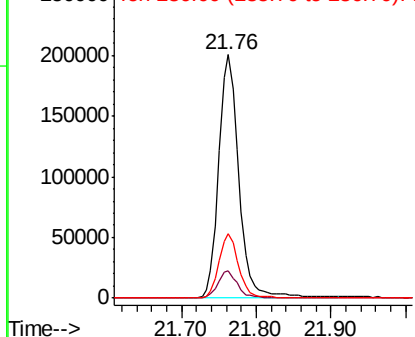


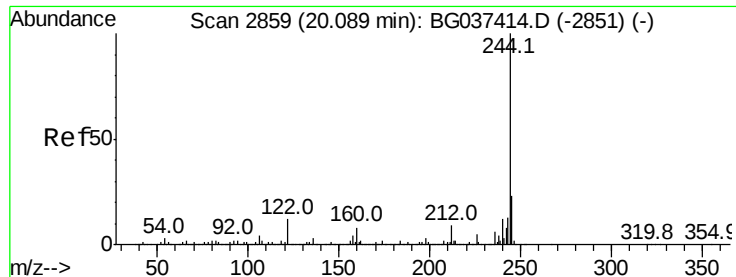
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3144
Delta R.T. -0.01 min
Lab File: BG037714.D
Acq: 1 Nov 2018 11:57

Tgt Ion:240 Resp: 378990
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 26.7 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: 83.227 ng

RT: 20.08 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BG037714.D

Acq: 1 Nov 2018 11:57

Instrument :

BNA_G

ClientSampleId :

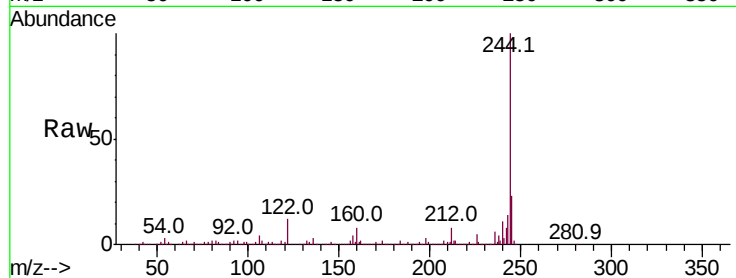
Tot Ion:244 Resp: 1476173

Ion Ratio Lower Upper

244 100

212 8.4 6.5 9.7

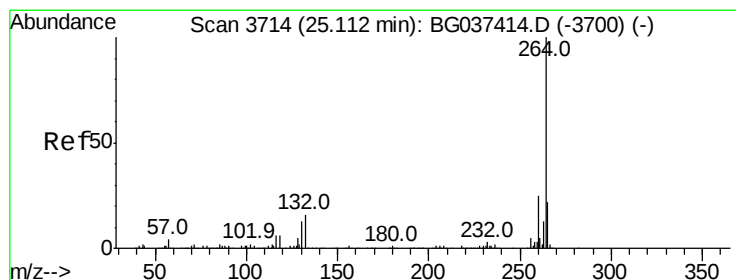
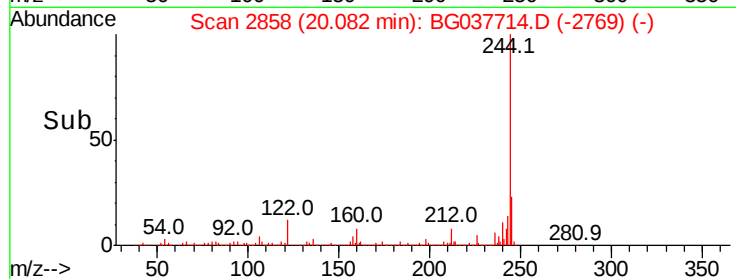
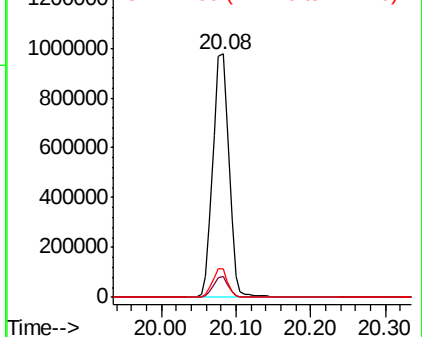
122 12.0 9.0 13.4



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: 25.09 min Scan# 3711

Delta R.T. -0.02 min

Lab File: BG037714.D

Acq: 1 Nov 2018 11:57

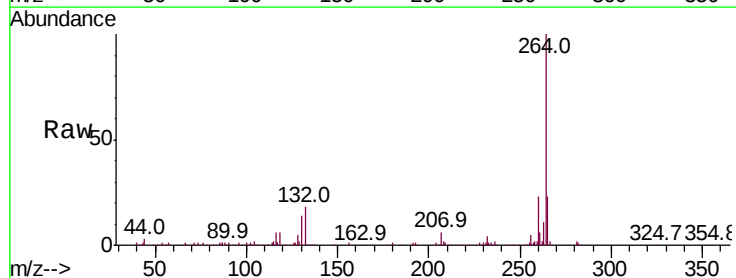
Tgt Ion:264 Resp: 345926

Ion Ratio Lower Upper

264 100

260 23.3 18.2 27.4

265 22.9 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

