

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102518\
 Data File : BG037554.D
 Acq On : 25 Oct 2018 20:55
 Operator : JU/SJ
 Sample : J5652-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 VB16206-VB16207-V236-VB16209-V

Quant Time: Oct 26 08:06:21 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

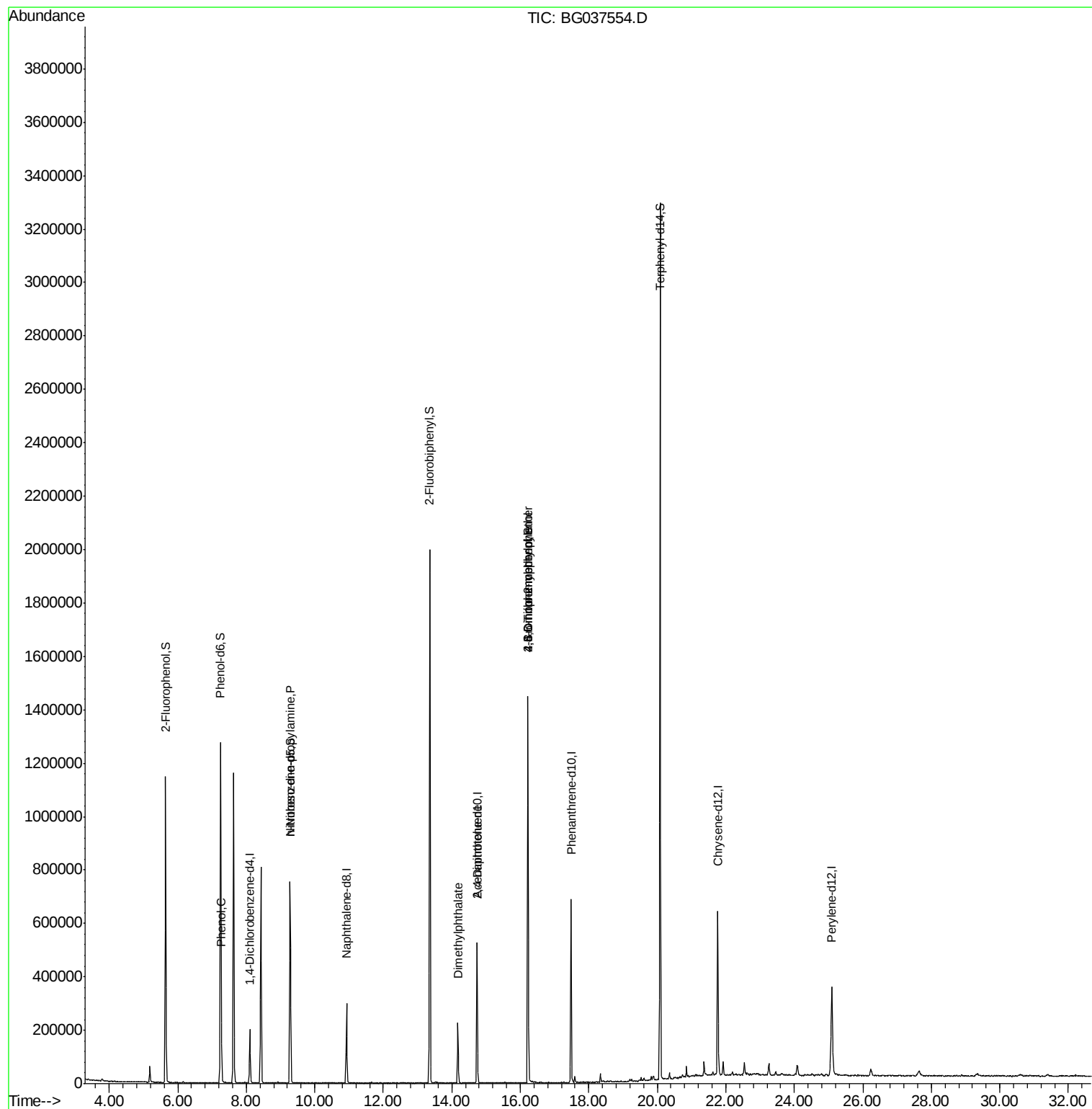
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.10	152	60091	20.00	ng	0.00
21) Naphthalene-d8	10.92	136	266538	20.00	ng	0.00
39) Acenaphthene-d10	14.74	164	183274	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	436627	20.00	ng	0.00
76) Chrysene-d12	21.76	240	389961	20.00	ng	-0.01
87) Perylene-d12	25.10	264	390425	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	518814	144.34	ng	0.00
7) Phenol-d6	7.25	99	813494	149.68	ng	0.00
23) Nitrobenzene-d5	9.28	82	477066	100.27	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	271045	135.59	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1085504	89.31	ng	-0.01
79) Terphenyl-d14	20.08	244	1592766	87.27	ng	0.00
Target Compounds						
10) Phenol	7.28	94	89652	15.634	ng	99
19) n-Nitroso-di-n-propylamine	9.28	70	60089	16.055	ng	# 72
50) Dimethylphthalate	14.18	163	159010	11.215	ng	100
57) 2,4-Dinitrotoluene	14.74	165	24037	5.838	ng	# 25
65) 4,6-Dinitro-2-methylphenol	16.22	198	753	8.778	ng	88
67) 4-Bromophenyl-phenylether	16.22	248	20300	4.234	ng	# 1

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

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VB16206-VB16207-V236-VB16209-V

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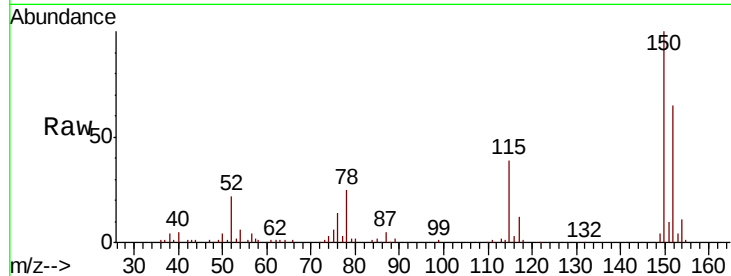


#1

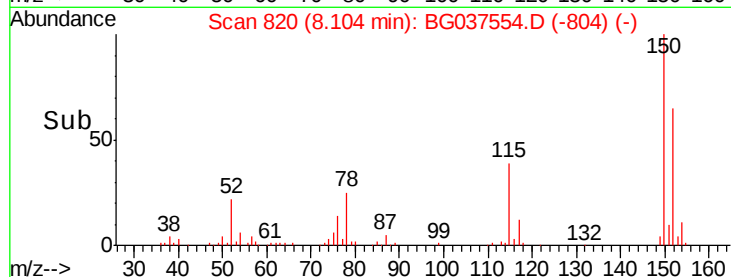
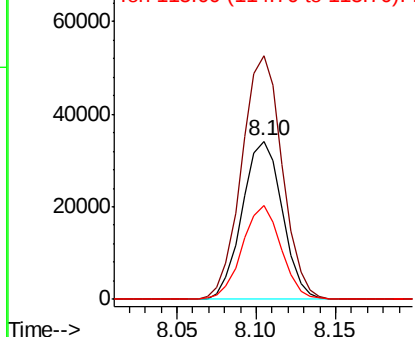
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.10 min Scan# 820
Delta R.T. -0.00 min
Lab File: BG037554.D
Acq: 25 Oct 2018 20:55

Instrument :
BNA_G
ClientSampleId :
VB16206-VB16207-V236-VB16209-V

Tot Ion:152 Resp: 60091
Ion Ratio Lower Upper
152 100
150 153.7 126.0 189.0
115 59.4 45.5 68.3



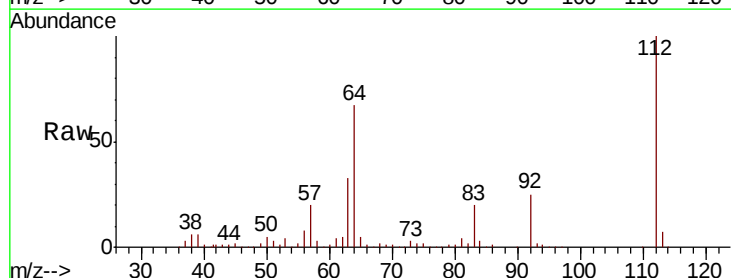
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



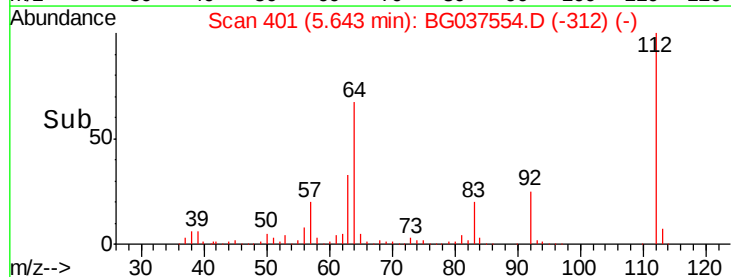
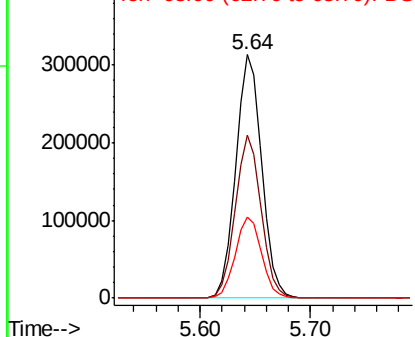
#5

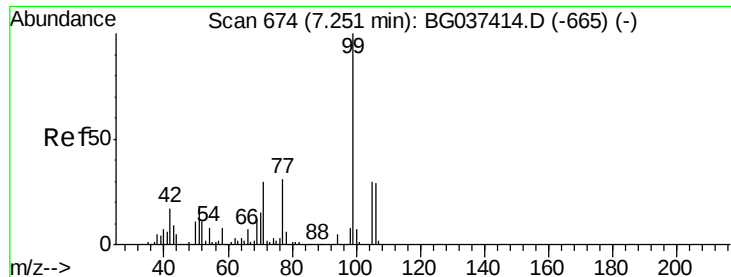
2-Fluorophenol
Concen: 144.345 ng
RT: 5.64 min Scan# 401
Delta R.T. -0.00 min
Lab File: BG037554.D
Acq: 25 Oct 2018 20:55

Tgt Ion:112 Resp: 518814
Ion Ratio Lower Upper
112 100
64 66.8 53.1 79.7
63 33.1 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: 149.677 ng

RT: 7.25 min Scan# 674

Delta R.T. -0.00 min

Lab File: BG037554.D

Acq: 25 Oct 2018 20:55

Instrument :

BNA_G

ClientSampleId :

VB16206-VB16207-V236-VB16209-V

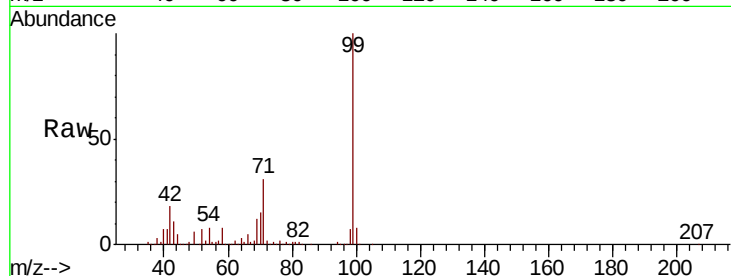
Tot Ion: 99 Resp: 813494

Ion Ratio Lower Upper

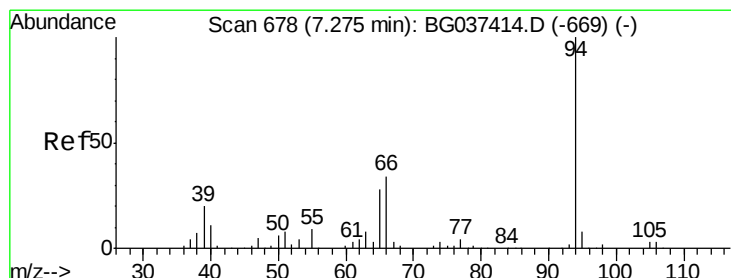
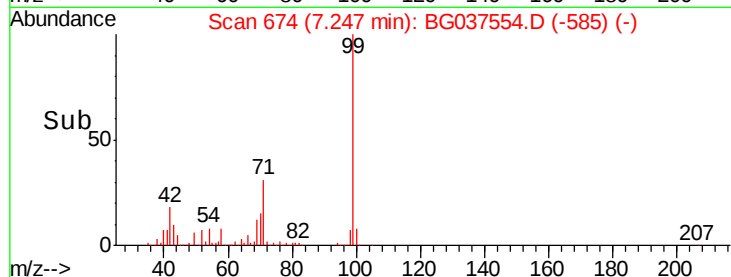
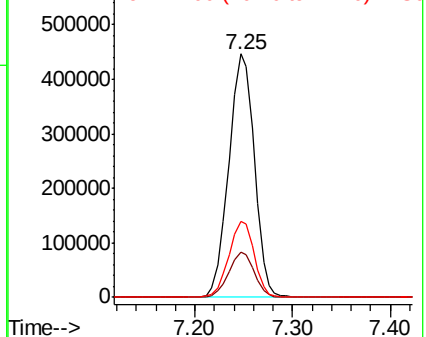
99 100

42 18.5 15.0 22.4

71 31.3 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: 15.634 ng

RT: 7.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BG037554.D

Acq: 25 Oct 2018 20:55

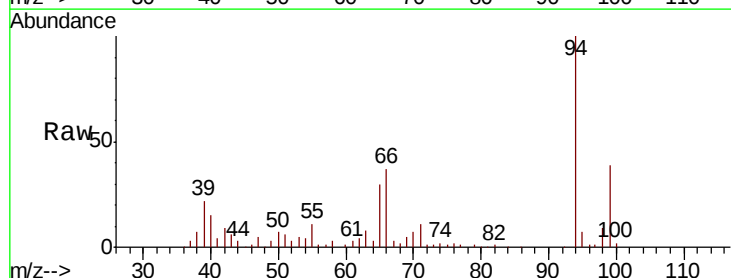
Tgt Ion: 94 Resp: 89652

Ion Ratio Lower Upper

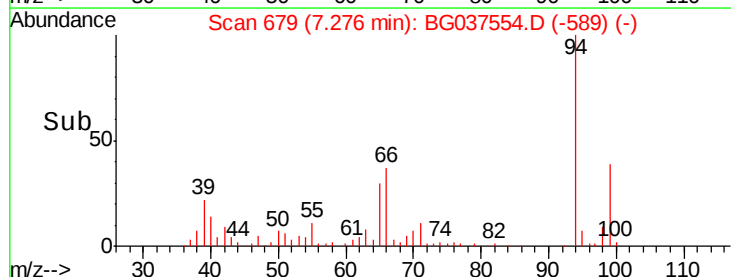
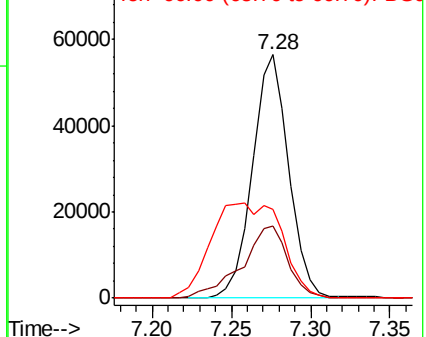
94 100

65 29.7 9.7 49.7

66 36.7 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: 16.055 ng

RT: 9.28 min Scan# 1020

Delta R.T. 0.37 min

Lab File: BG037554.D

Acq: 25 Oct 2018 20:55

Instrument :

BNA_G

ClientSampleId :

VB16206-VB16207-V236-VB16209-V

Tot Ion: 70 Resp: 60089

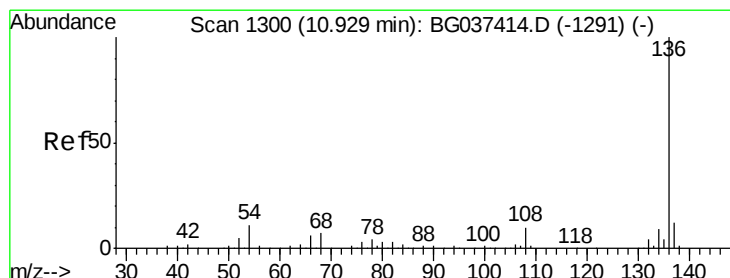
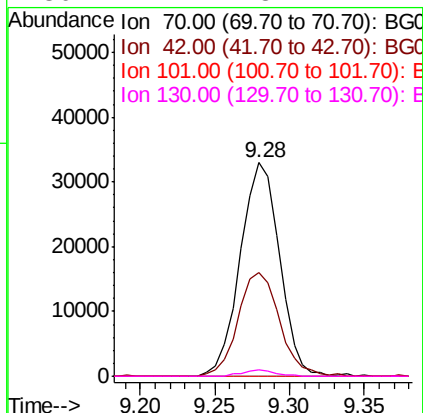
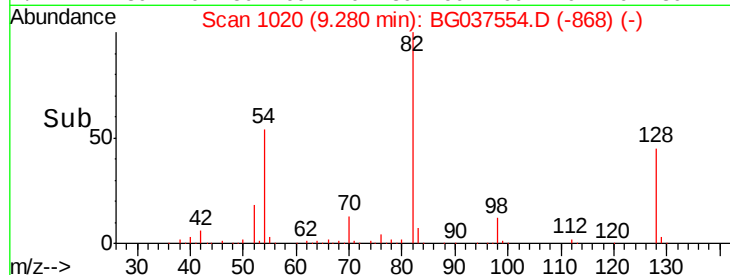
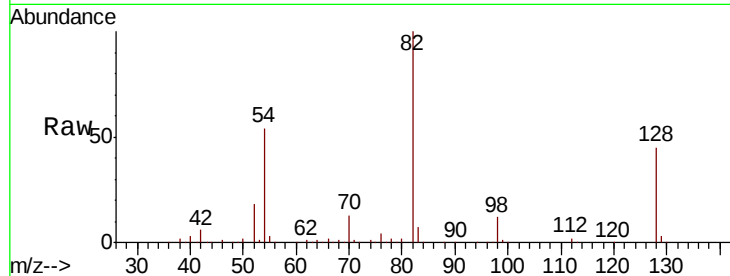
Ion Ratio Lower Upper

70 100

42 48.7 53.9 80.9#

101 0.0 8.2 12.2#

130 2.7 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.92 min Scan# 1300

Delta R.T. -0.00 min

Lab File: BG037554.D

Acq: 25 Oct 2018 20:55

Tgt Ion: 136 Resp: 266538

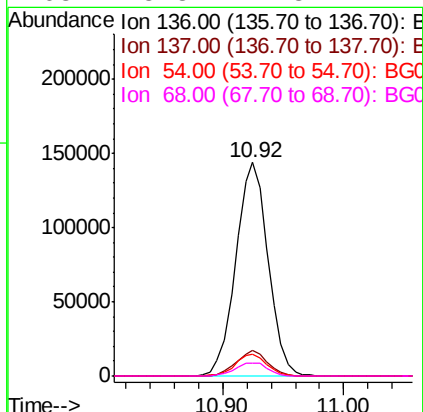
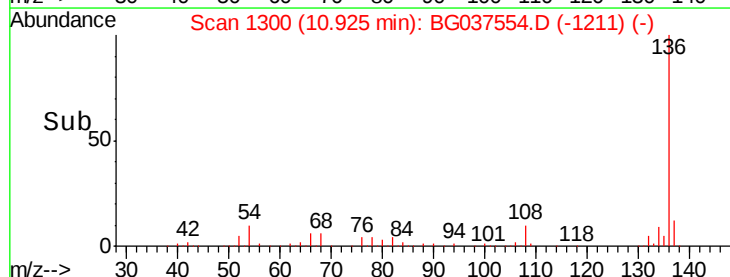
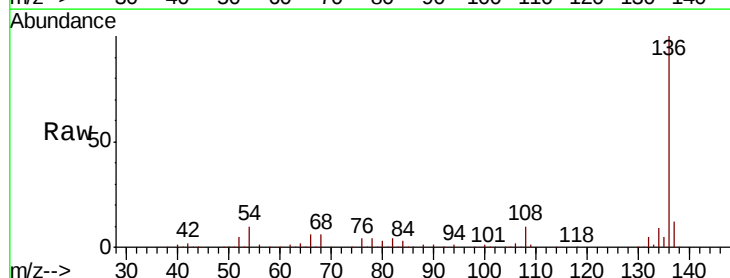
Ion Ratio Lower Upper

136 100

137 11.8 9.6 14.4

54 10.3 7.9 11.9

68 5.8 4.8 7.2

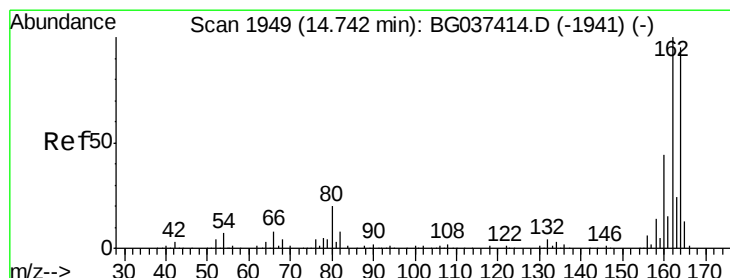
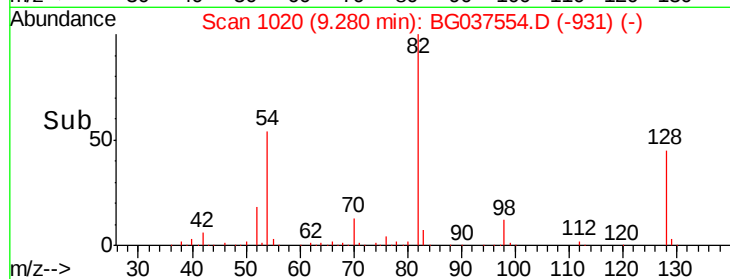
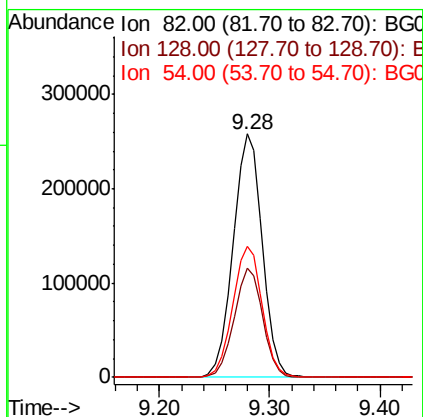
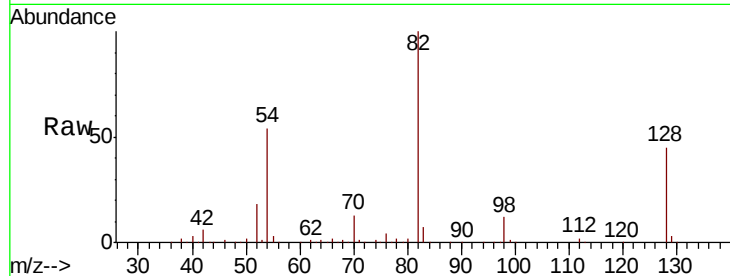




#23
 Nitrobenzene-d5
 Concen: 100.266 ng
 RT: 9.28 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG037554.D
 Acq: 25 Oct 2018 20:55

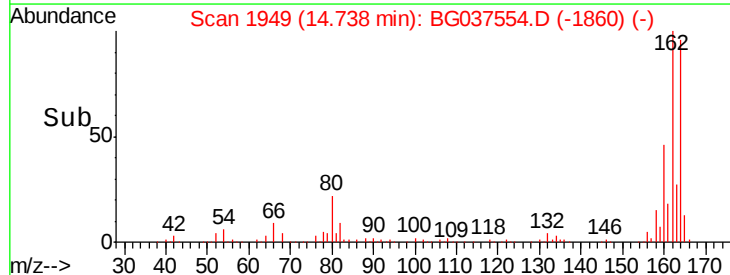
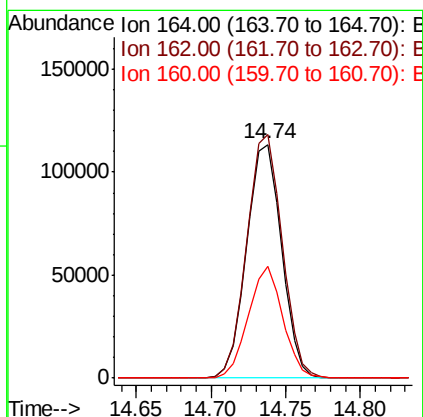
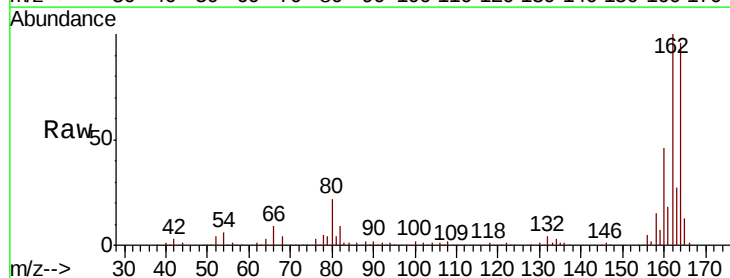
Instrument :
 BNA_G
 ClientSampleId :
 VB16206-VB16207-V236-VB16209-V

Tot Ion	82.00	Resp	477066
Ion Ratio	Lower	Upper	
82	100		
128	44.7	34.6	51.8
54	54.1	45.3	67.9



#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.74 min Scan# 1949
 Delta R.T. -0.00 min
 Lab File: BG037554.D
 Acq: 25 Oct 2018 20:55

Tgt Ion	164.00	Resp	183274
Ion Ratio	Lower	Upper	
164	100		
162	104.2	81.3	121.9
160	47.9	36.3	54.5

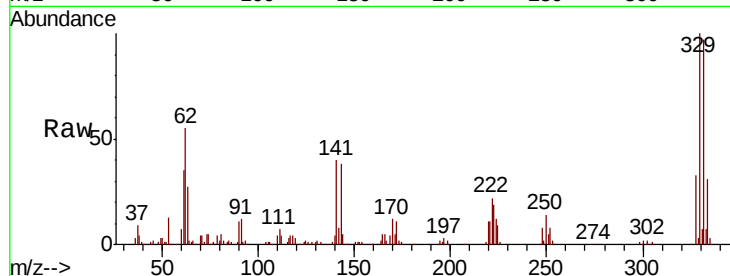




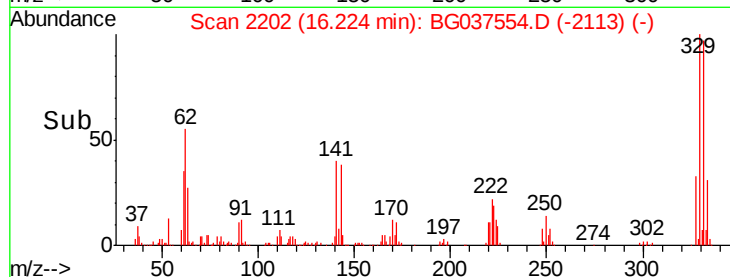
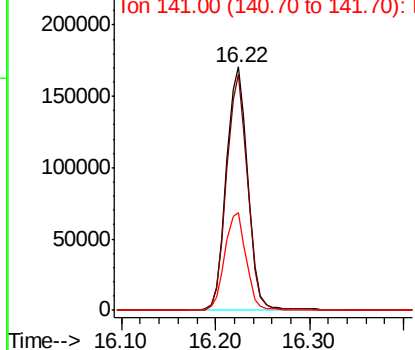
#42
 2,4,6-Tribromophenol
 Concen: 135.594 ng
 RT: 16.22 min Scan# 2202
 Delta R.T. -0.00 min
 Lab File: BG037554.D
 Acq: 25 Oct 2018 20:55

Instrument :
 BNA_G
 ClientSampleId :
 VB16206-VB16207-V236-VB16209-V

Tot Ion:330 Resp: 271045
 Ion Ratio Lower Upper
 330 100
 332 95.4 78.4 117.6
 141 40.4 32.2 48.2

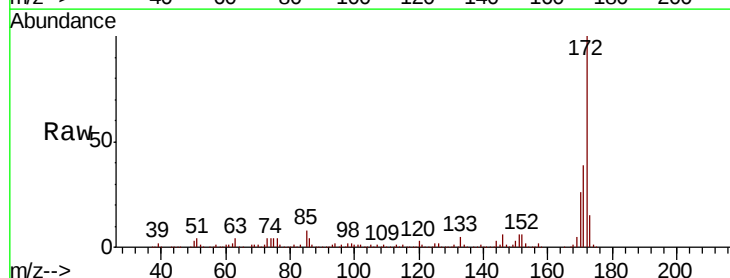


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

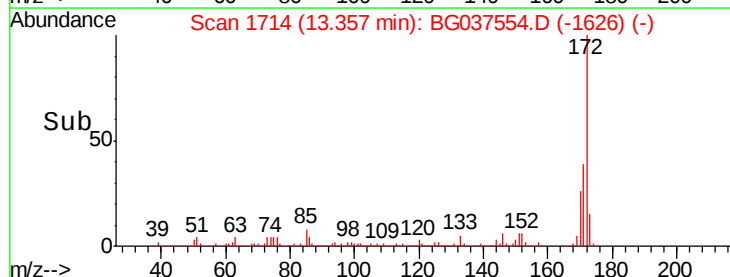
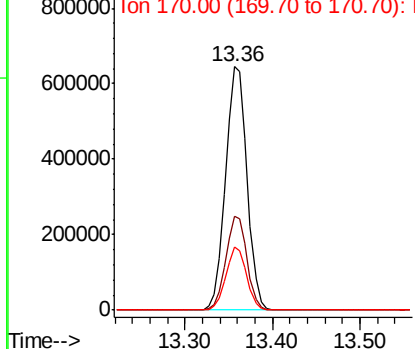


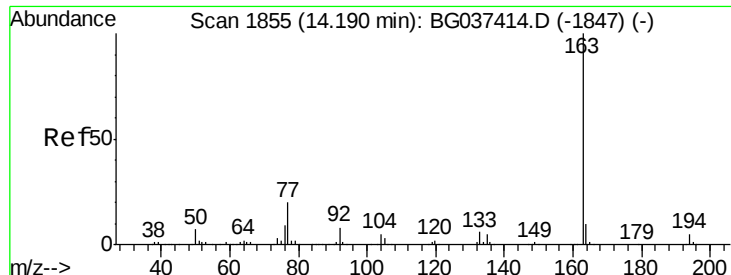
#45
 2-Fluorobiphenyl
 Concen: 89.313 ng
 RT: 13.36 min Scan# 1714
 Delta R.T. -0.01 min
 Lab File: BG037554.D
 Acq: 25 Oct 2018 20:55

Tgt Ion:172 Resp: 1085504
 Ion Ratio Lower Upper
 172 100
 171 38.7 31.0 46.4
 170 26.1 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





#50

Dimethylphthalate

Concen: 11.215 ng

RT: 14.18 min Scan# 1854

Delta R.T. -0.01 min

Lab File: BG037554.D

Acq: 25 Oct 2018 20:55

Instrument :

BNA_G

ClientSampleId :

VB16206-VB16207-V236-VB16209-V

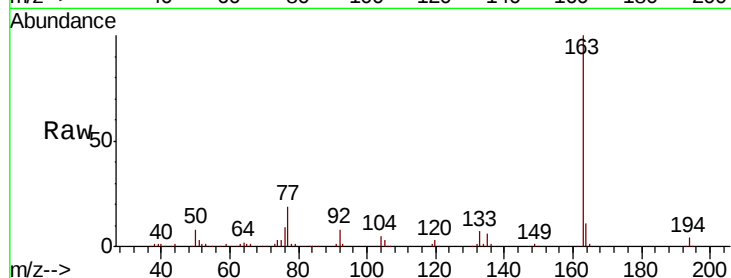
Tot Ion:163 Resp: 159010

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

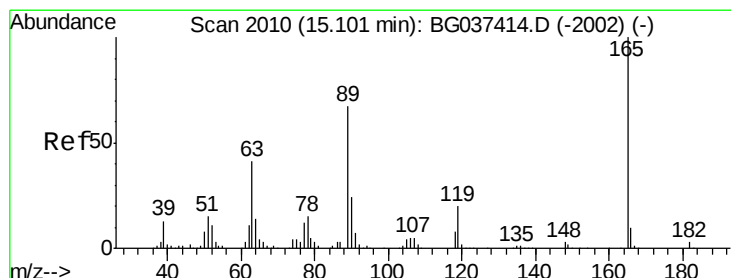
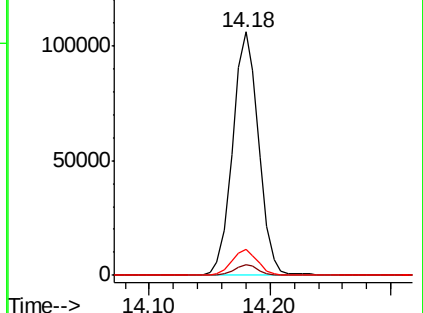
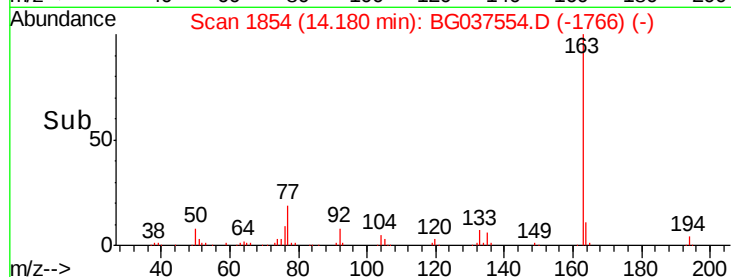
164 10.6 8.5 12.7



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#57

2,4-Dinitrotoluene

Concen: 5.838 ng

RT: 14.74 min Scan# 1949

Delta R.T. -0.36 min

Lab File: BG037554.D

Acq: 25 Oct 2018 20:55

Tgt Ion:165 Resp: 24037

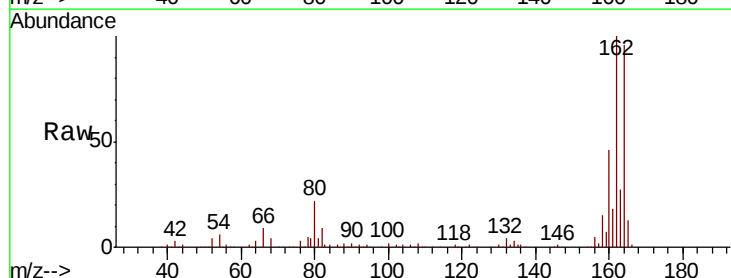
Ion Ratio Lower Upper

165 100

63 1.1 33.4 50.0#

89 2.0 57.2 85.8#

182 0.0 2.6 4.0#

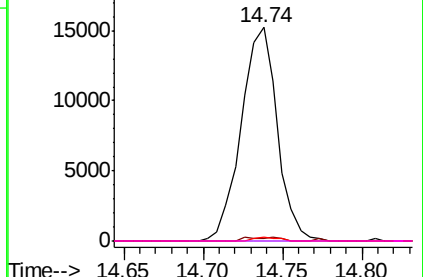
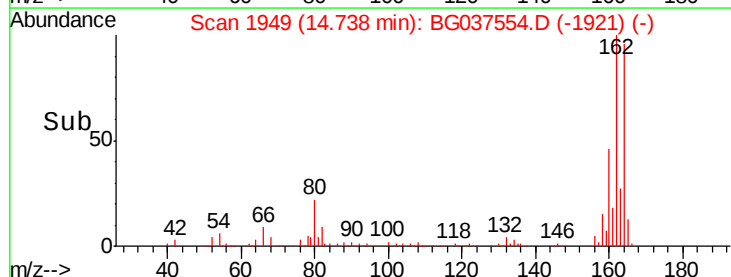


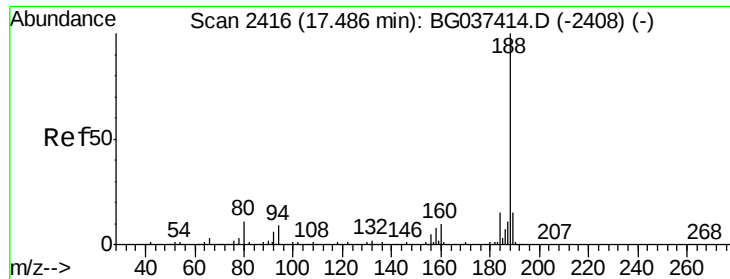
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2416

Delta R.T. -0.00 min

Lab File: BG037554.D

Acq: 25 Oct 2018 20:55

Instrument :

BNA_G

ClientSampleId :

VB16206-VB16207-V236-VB16209-V

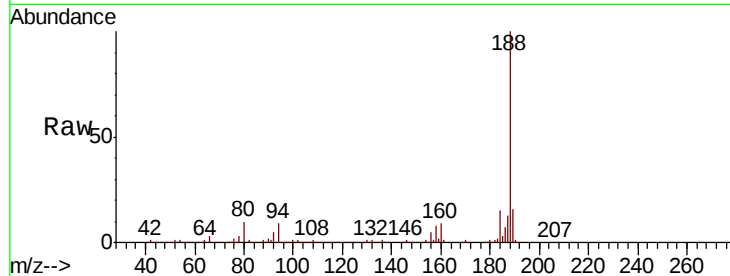
Tot Ion:188 Resp: 436627

Ion Ratio Lower Upper

188 100

94 8.9 7.2 10.8

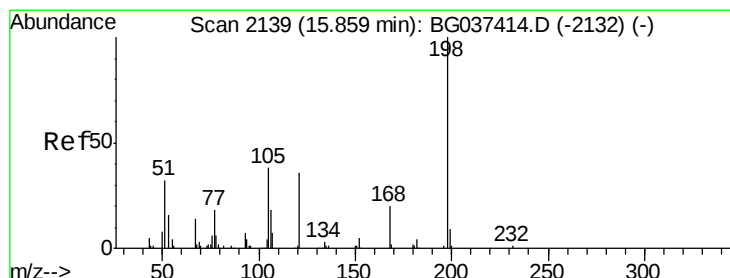
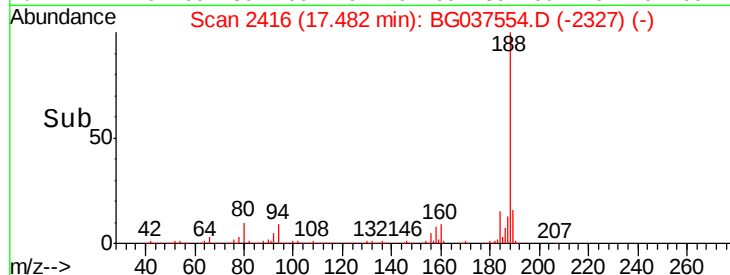
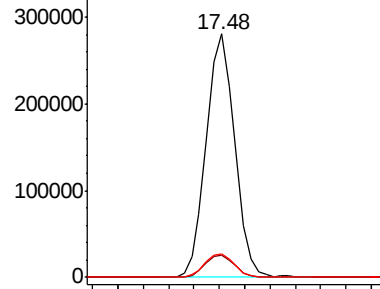
80 9.7 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#65

4,6-Dinitro-2-methylphenol

Concen: 8.778 ng

RT: 16.22 min Scan# 2201

Delta R.T. 0.36 min

Lab File: BG037554.D

Acq: 25 Oct 2018 20:55

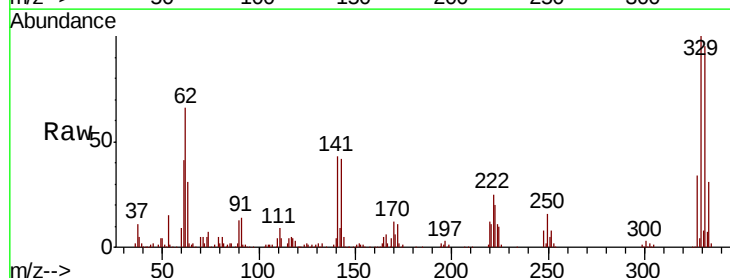
Tgt Ion:198 Resp: 753

Ion Ratio Lower Upper

198 100

51 33.3 22.7 62.7

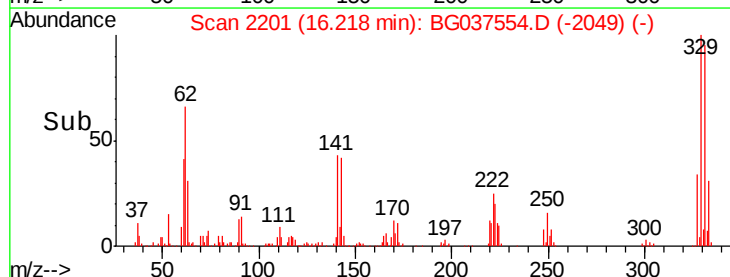
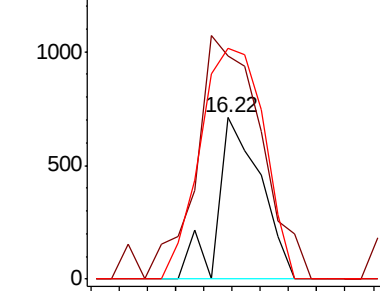
105 34.4 19.7 59.7



Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

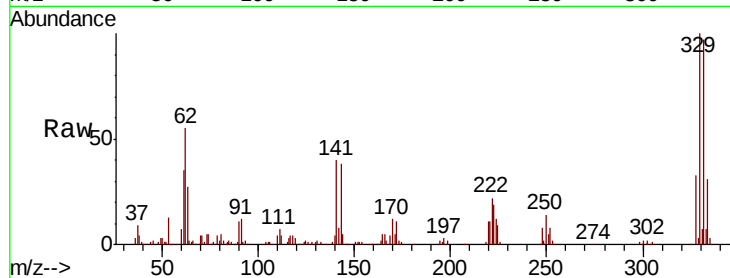




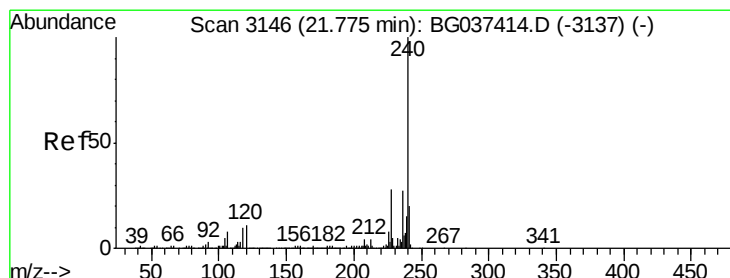
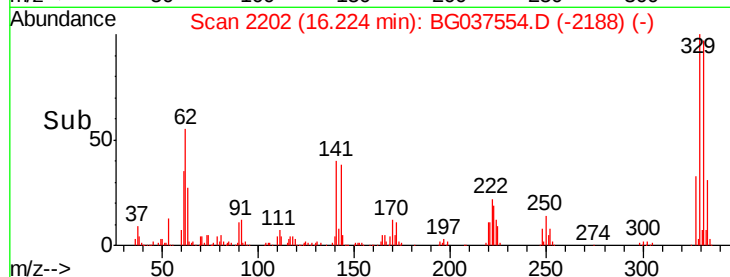
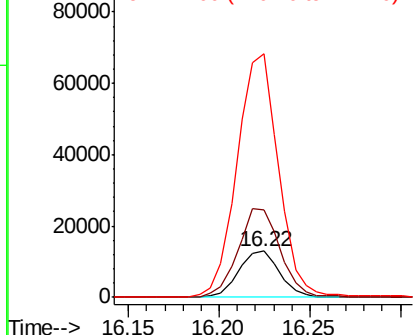
#67
4-Bromophenyl-phenylether
Concen: 4.234 ng
RT: 16.22 min Scan# 2202
Delta R.T. -0.45 min
Lab File: BG037554.D
Acq: 25 Oct 2018 20:55

Instrument :
BNA_G
ClientSampleId :
VB16206-VB16207-V236-VB16209-V

Tot Ion:248 Resp: 20300
Ion Ratio Lower Upper
248 100
250 196.8 77.0 115.6#
141 417.8 55.5 83.3#

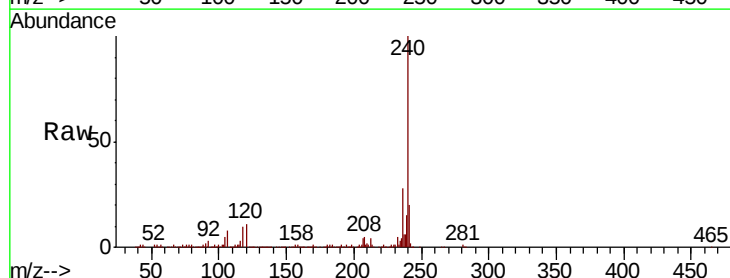


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

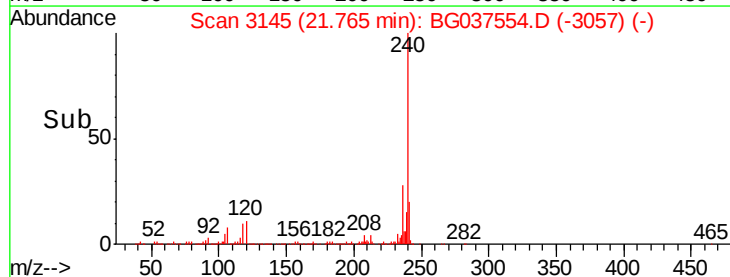
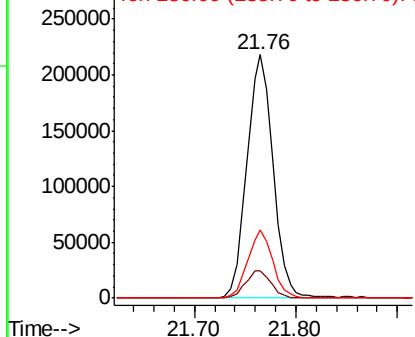


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.76 min Scan# 3145
Delta R.T. -0.01 min
Lab File: BG037554.D
Acq: 25 Oct 2018 20:55

Tgt Ion:240 Resp: 389961
Ion Ratio Lower Upper
240 100
120 11.0 8.1 12.1
236 27.9 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: 87.275 ng

RT: 20.08 min Scan# 2859

Delta R.T. -0.00 min

Lab File: BG037554.D

Acq: 25 Oct 2018 20:55

Instrument :

BNA_G

ClientSampleId :

VB16206-VB16207-V236-VB16209-V

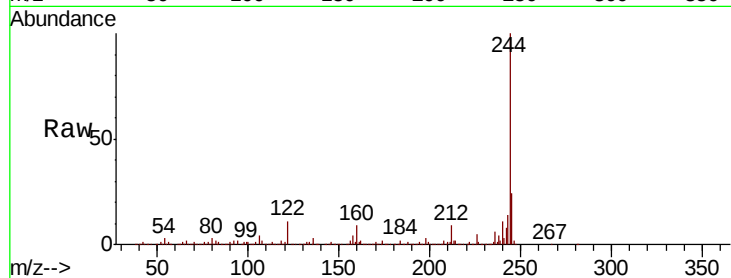
Tot Ion:244 Resp: 1592766

Ion	Ratio	Lower	Upper
244	100		
212	8.7	6.5	9.7
122	11.2	9.0	13.4

244 100

212 8.7 6.5 9.7

122 11.2 9.0 13.4

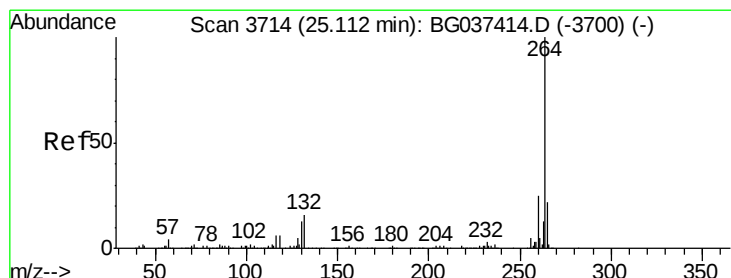
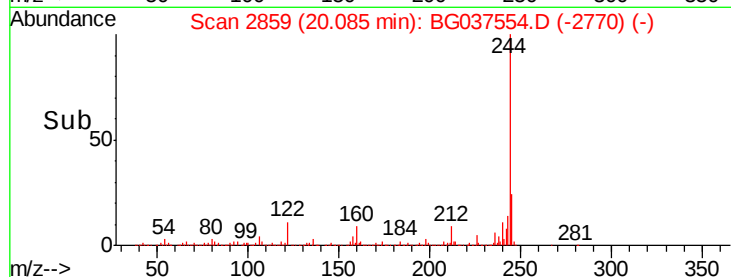
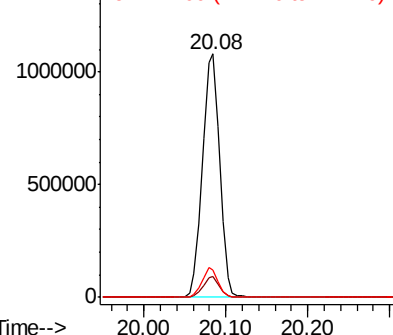


Abundance

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: BG037554.D

Acq: 25 Oct 2018 20:55

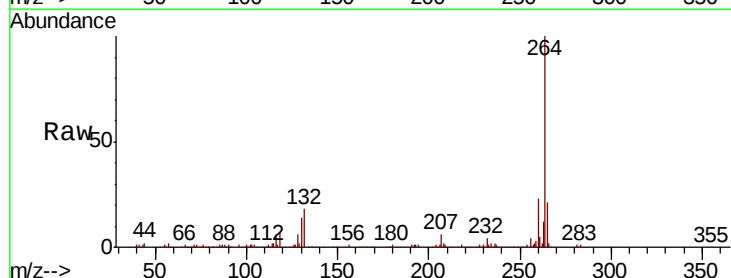
Tgt Ion:264 Resp: 390425

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.2	27.4
265	21.4	17.9	26.9

264 100

260 22.7 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

