

Data Path : Z:\HPCHEM1\BNA G\DATA\BG031218\
 Data File : BG033109.D
 Acq On : 13 Mar 2018 4:07
 Operator : SJ/JU
 Sample : J1867-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 C19013071

Quant Time: Mar 13 08:46:30 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG022118.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 09 15:10:14 2018
 Response via : Initial Calibration

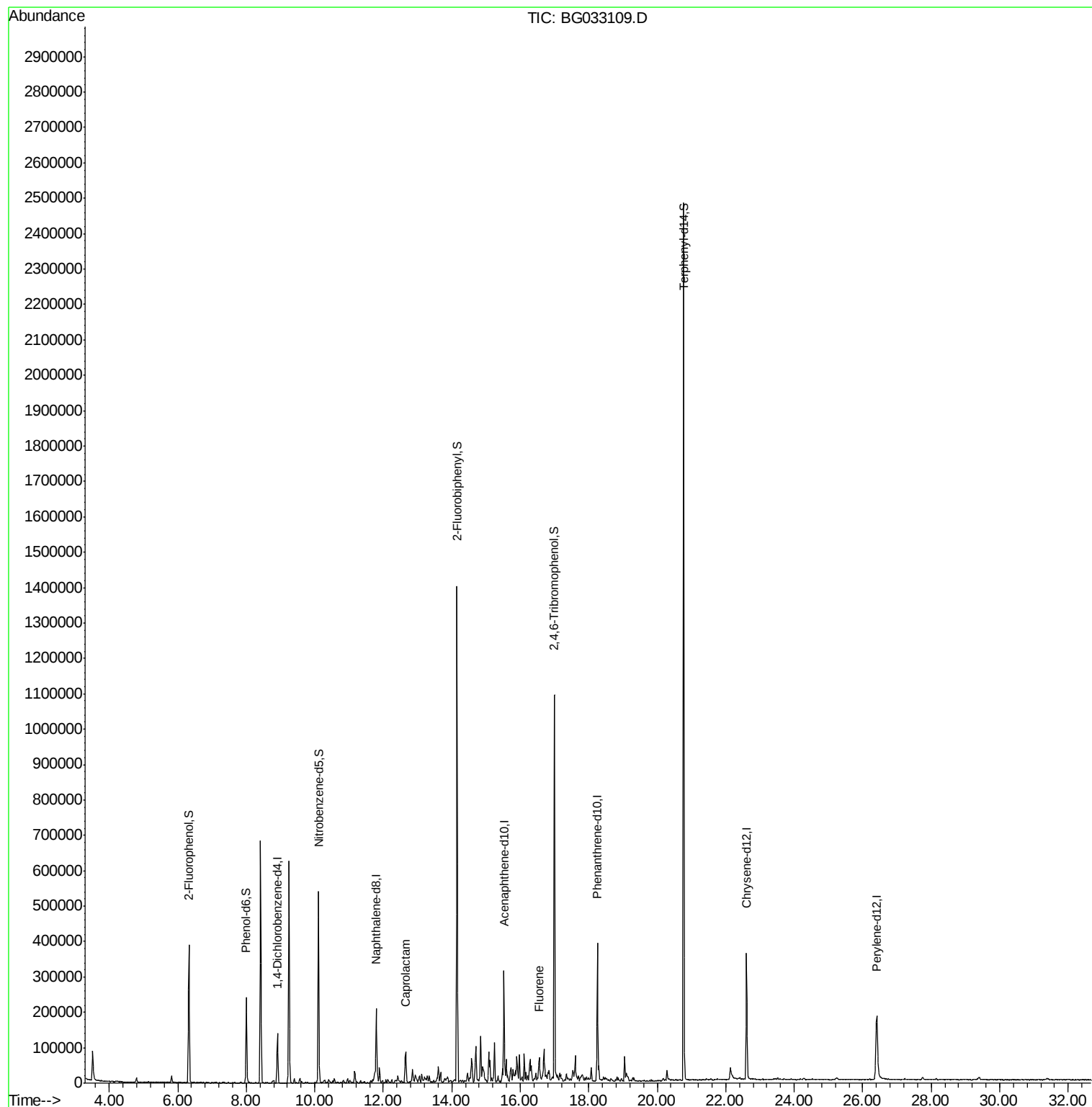
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.91	152	40269	20.00	ng	0.00
21) Naphthalene-d8	11.79	136	178596	20.00	ng	0.00
38) Acenaphthene-d10	15.52	164	102027	20.00	ng	0.00
63) Phenanthrene-d10	18.26	188	247571	20.00	ng	0.00
75) Chrysene-d12	22.61	240	241050	20.00	ng	0.00
86) Perylene-d12	26.41	264	254373	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.32	112	176466	70.11	ng	0.00
7) Phenol-d6	8.00	99	147102	41.93	ng	0.00
23) Nitrobenzene-d5	10.11	82	330759	123.44	ng	0.00
41) 2,4,6-Tribromophenol	17.00	330	208026	193.91	ng	0.00
44) 2-Fluorobiphenyl	14.15	172	718027	101.50	ng	0.00
78) Terphenyl-d14	20.77	244	1147406	106.95	ng	0.00
Target Compounds						
35) Caprolactam	12.65	113	13356	13.496	ng	96
57) Fluorene	16.56	166	26045	3.264	ng	# 98

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

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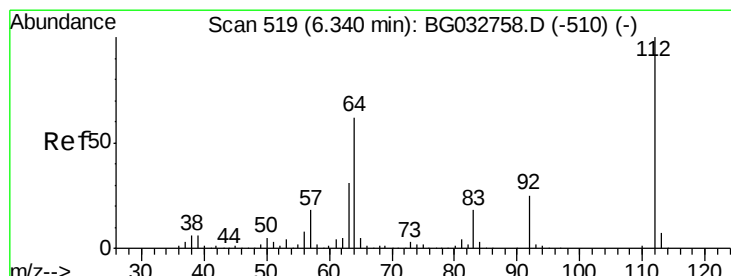
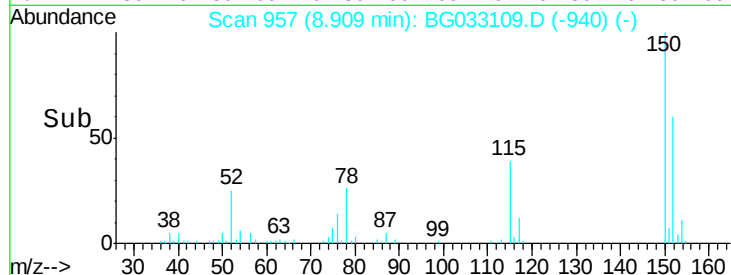
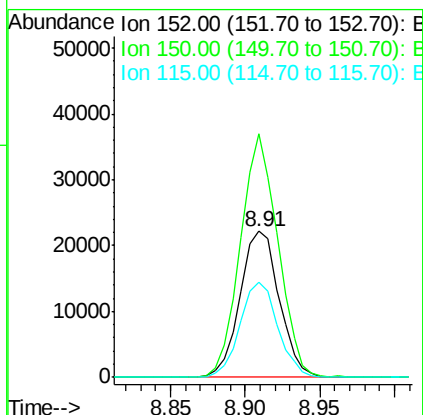
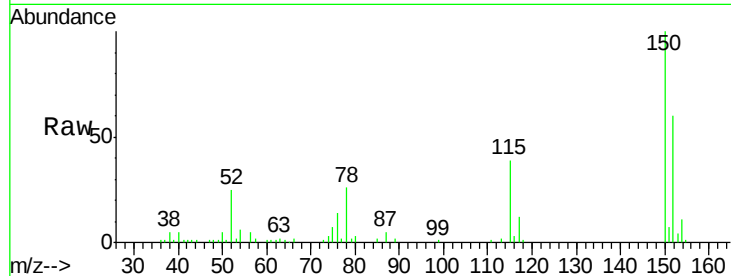


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.91 min Scan# 957
Delta R.T. -0.00 min
Lab File: BG033109.D
Acq: 13 Mar 2018 4:07

Instrument :
BNA_G
ClientSampleId :
C19013071

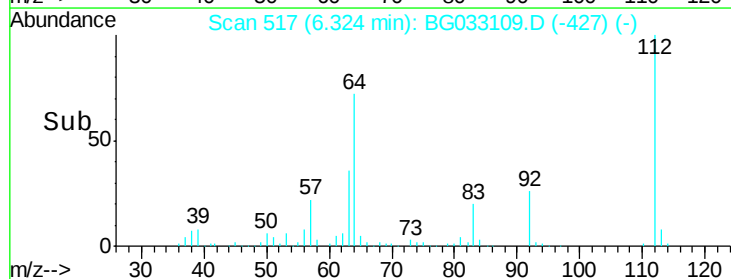
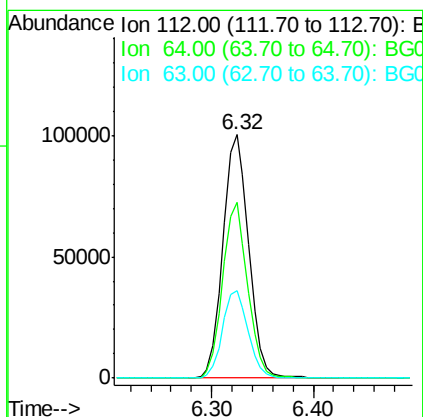
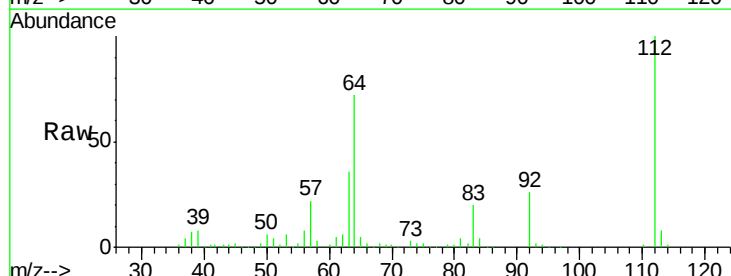
Tot Ion:152 Resp: 40269
Ion Ratio Lower Upper
152 100
150 166.9 126.6 189.8
115 65.0 53.0 79.4



#5

2-Fluorophenol
Concen: 70.109 ng
RT: 6.32 min Scan# 517
Delta R.T. -0.00 min
Lab File: BG033109.D
Acq: 13 Mar 2018 4:07

Tgt Ion:112 Resp: 176466
Ion Ratio Lower Upper
112 100
64 72.2 56.3 84.5
63 35.9 30.1 45.1





#7

Phenol-d6

Concen: 41.928 ng

RT: 8.00 min Scan# 803

Delta R.T. -0.00 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Instrument :

BNA_G

ClientSampleId :

C19013071

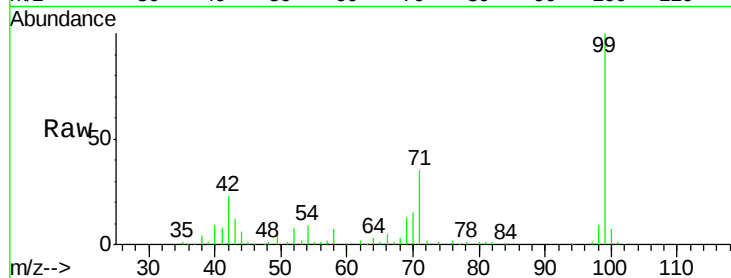
Tot Ion: 99 Resp: 147102

Ion Ratio Lower Upper

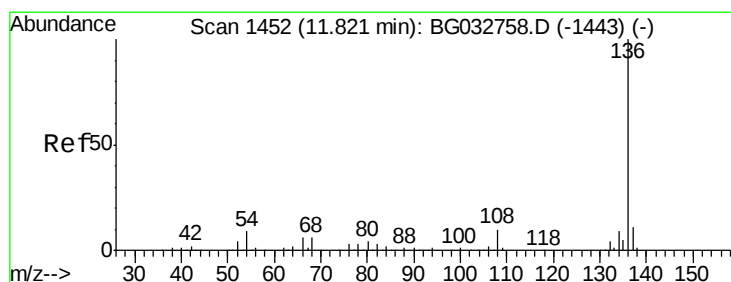
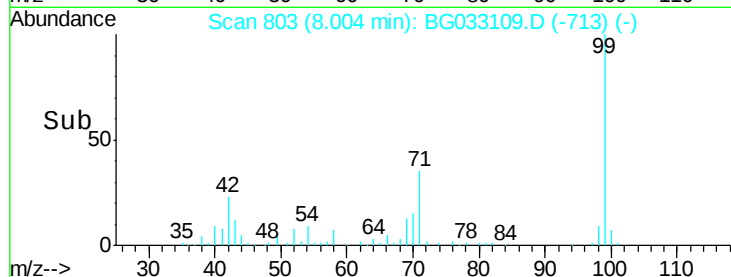
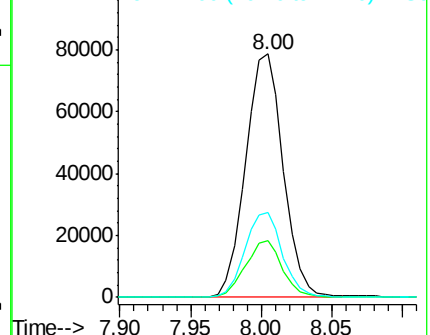
99 100

42 23.2 14.1 21.1#

71 34.8 26.1 39.1



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.79 min Scan# 1448

Delta R.T. -0.01 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Tgt Ion: 136 Resp: 178596

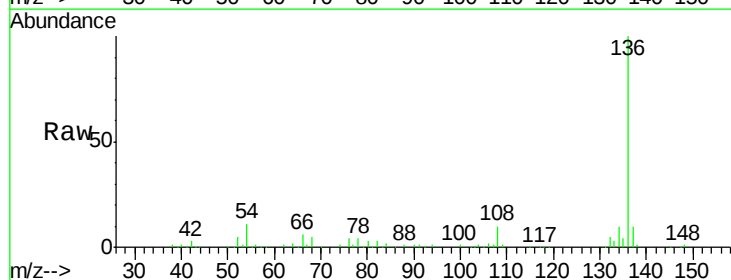
Ion Ratio Lower Upper

136 100

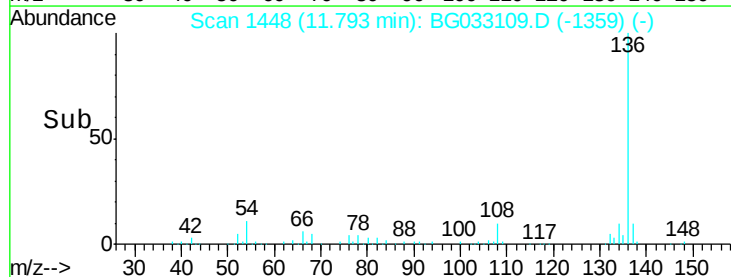
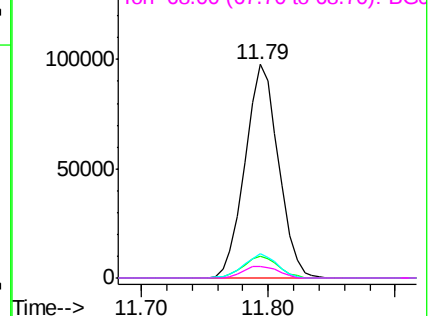
137 10.5 9.2 13.8

54 11.2 10.3 15.5

68 5.4 4.5 6.7



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

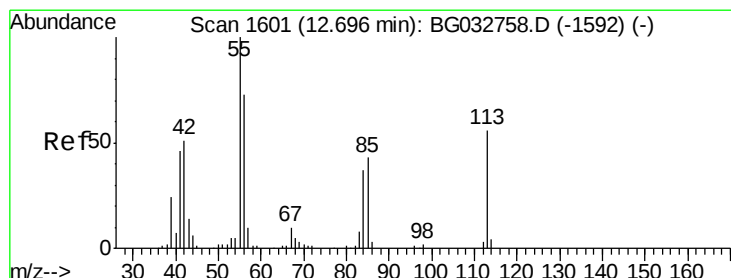
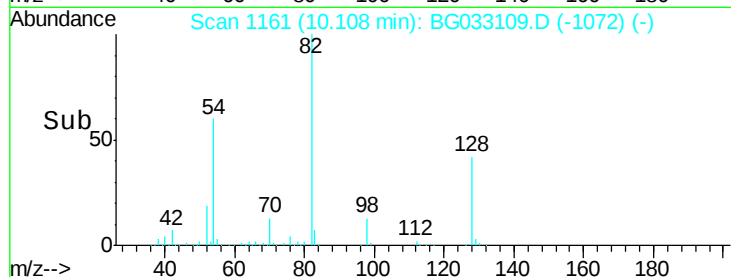
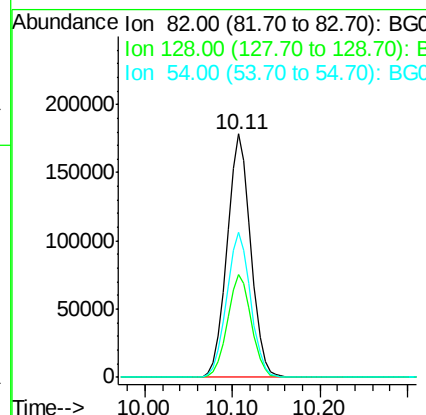
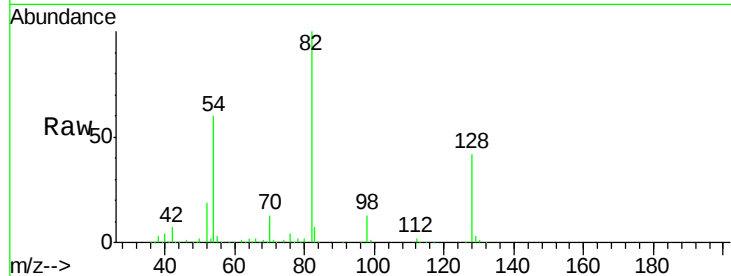




#23
 Nitrobenzene-d5
 Concen: 123.444 ng
 RT: 10.11 min Scan# 1161
 Delta R.T. -0.01 min
 Lab File: BG033109.D
 Acq: 13 Mar 2018 4:07

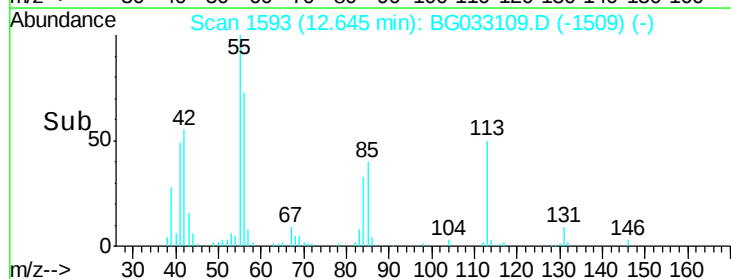
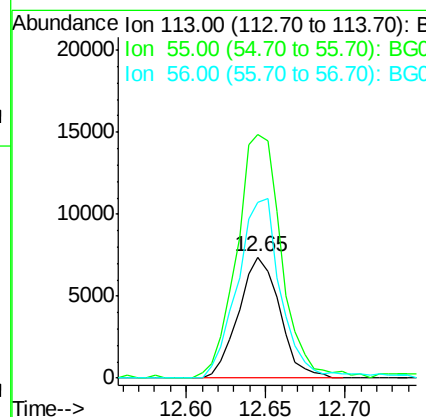
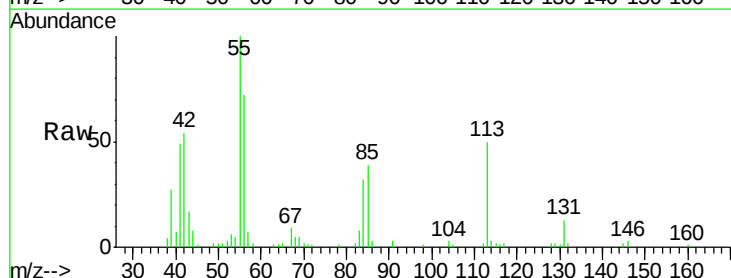
Instrument :
 BNA_G
 ClientSampleId :
 C19013071

Tot Ion	82	Resp	330759
Ion	Ratio	Lower	Upper
82	100		
128	42.4	29.7	44.5
54	59.7	43.1	64.7



#35
 Caprolactam
 Concen: 13.496 ng
 RT: 12.65 min Scan# 1593
 Delta R.T. -0.04 min
 Lab File: BG033109.D
 Acq: 13 Mar 2018 4:07

Tgt Ion	113	Resp	13356
Ion	Ratio	Lower	Upper
113	100		
55	201.1	186.9	226.9
56	145.1	130.9	170.9





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.52 min Scan# 2083

Delta R.T. -0.01 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Instrument :

BNA_G

ClientSampleId :

C19013071

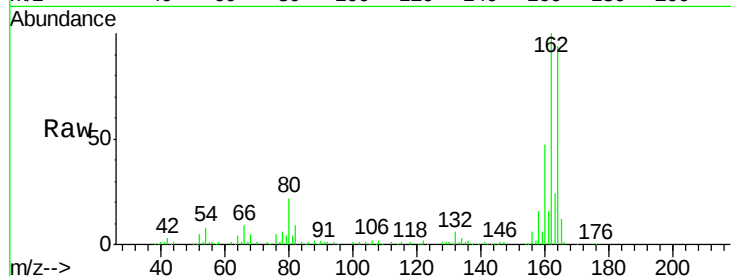
Tot Ion:164 Resp: 102027

Ion Ratio Lower Upper

164 100

162 106.0 78.8 118.2

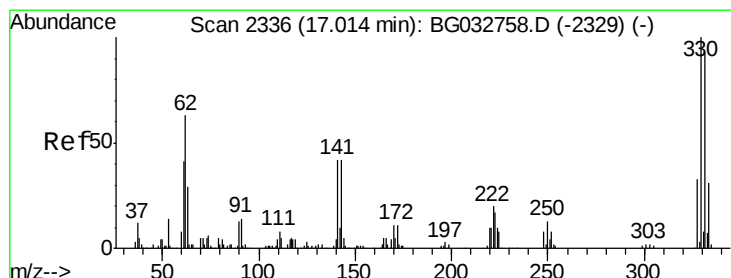
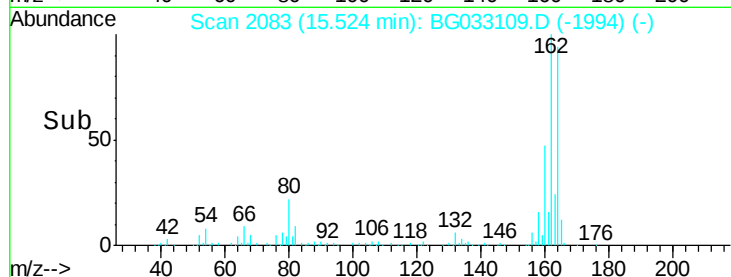
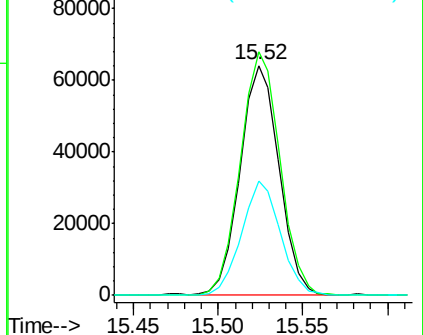
160 49.6 35.4 53.0



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



#41

2,4,6-Tribromophenol

Concen: 193.913 ng

RT: 17.00 min Scan# 2334

Delta R.T. -0.00 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

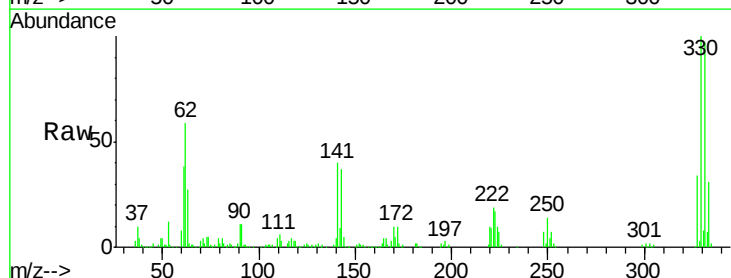
Tgt Ion:330 Resp: 208026

Ion Ratio Lower Upper

330 100

332 96.0 77.0 115.6

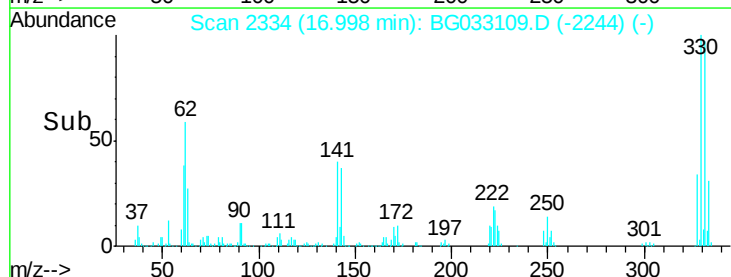
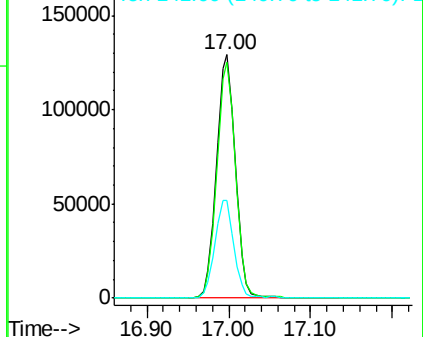
141 41.4 25.2 37.8#

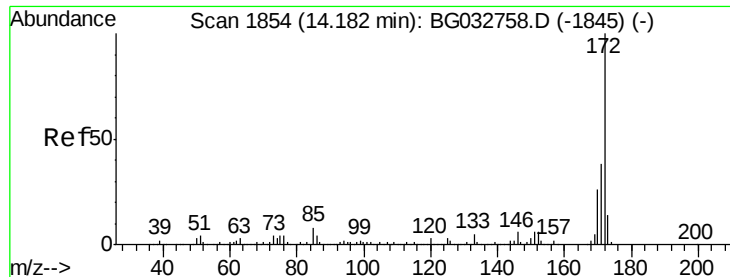


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#44

2-Fluorobiphenyl

Concen: 101.500 ng

RT: 14.15 min Scan# 1850

Delta R.T. -0.00 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Instrument :

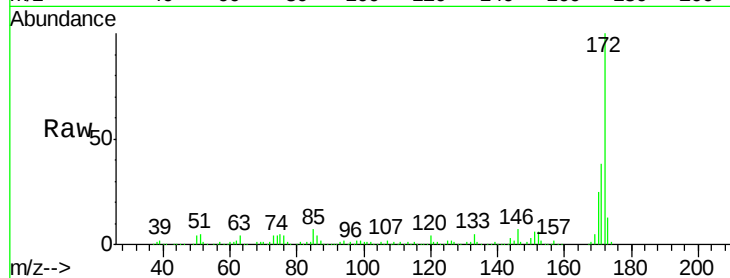
BNA_G

ClientSampleId :

C19013071

Tot Ion:172 Resp: 718027

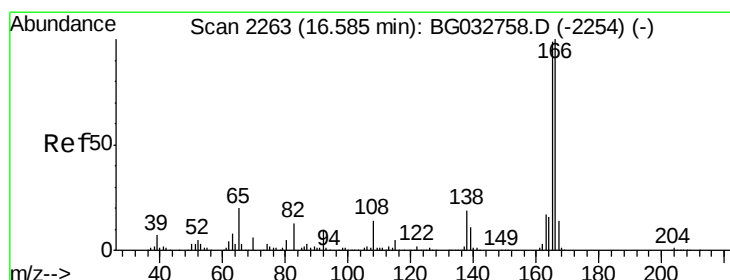
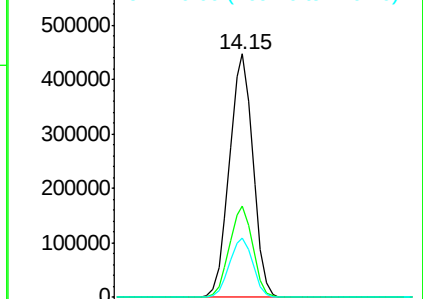
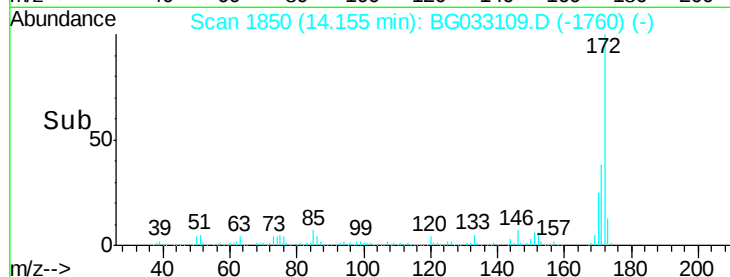
Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	24.5	19.5	29.3



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



#57

Fluorene

Concen: 3.264 ng

RT: 16.56 min Scan# 2259

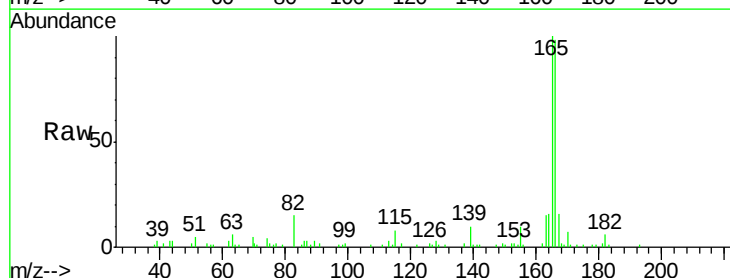
Delta R.T. -0.01 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Tgt Ion:166 Resp: 26045

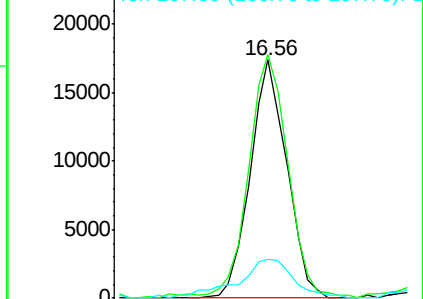
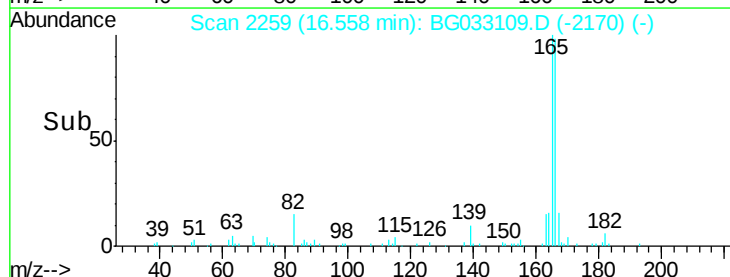
Ion	Ratio	Lower	Upper
166	100		
165	102.3	80.6	121.0
167	16.3	10.4	15.6

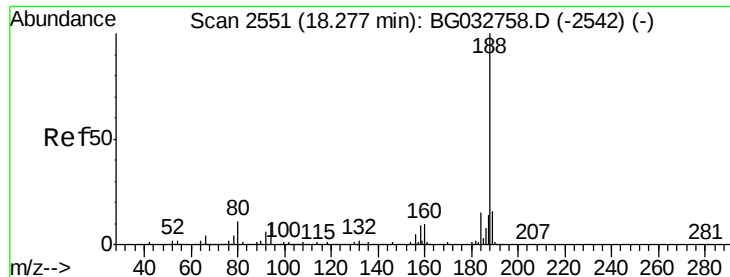


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 18.26 min Scan# 2548

Delta R.T. -0.00 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Instrument :

BNA_G

ClientSampleId :

C19013071

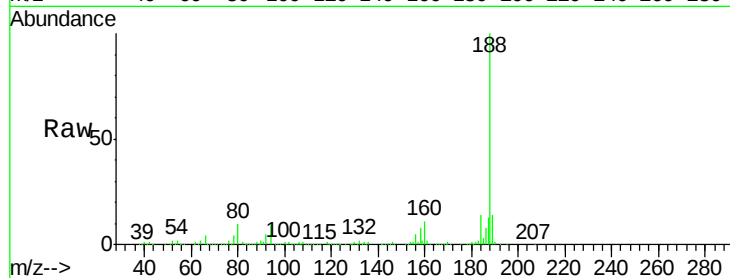
Tot Ion:188 Resp: 247571

Ion Ratio Lower Upper

188 100

94 8.6 6.9 10.3

80 10.5 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

200000

150000

100000

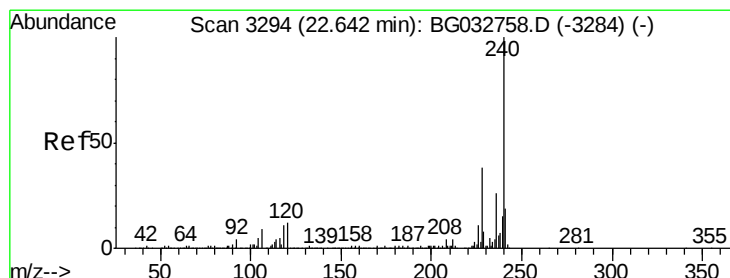
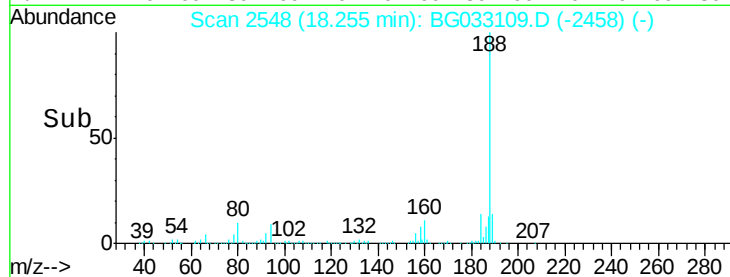
50000

0

18.26

18.15 18.20 18.25 18.30

Time-->



#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.61 min Scan# 3289

Delta R.T. -0.00 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

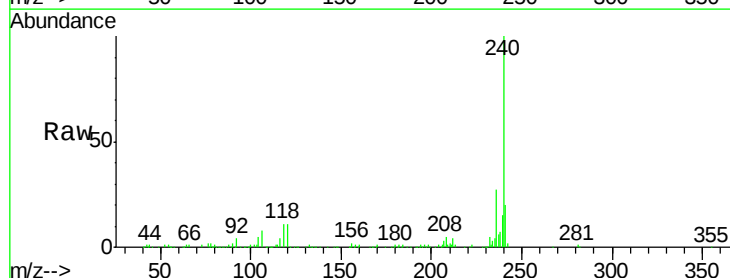
Tgt Ion:240 Resp: 241050

Ion Ratio Lower Upper

240 100

120 11.3 6.8 10.2#

236 27.1 20.9 31.3



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

150000

100000

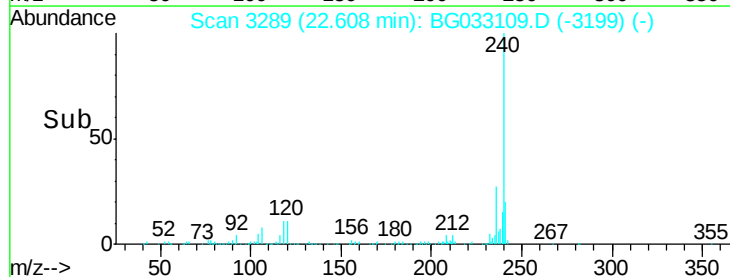
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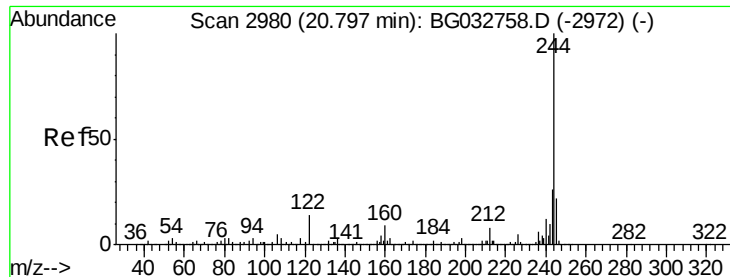
0

22.61

22.50 22.60 22.70

Time-->





#78

Terphenyl-d14

Concen: 106.945 ng

RT: 20.77 min Scan# 2976

Delta R.T. -0.00 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

Instrument :

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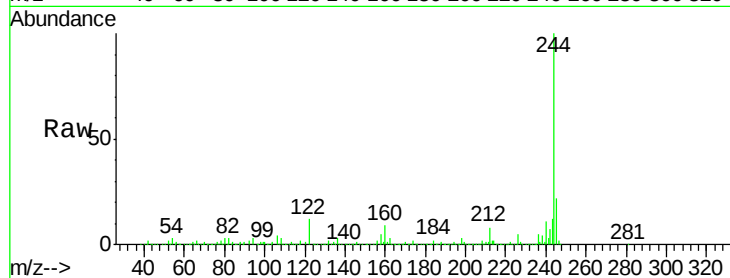
Tot Ion:244 Resp: 1147406

Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

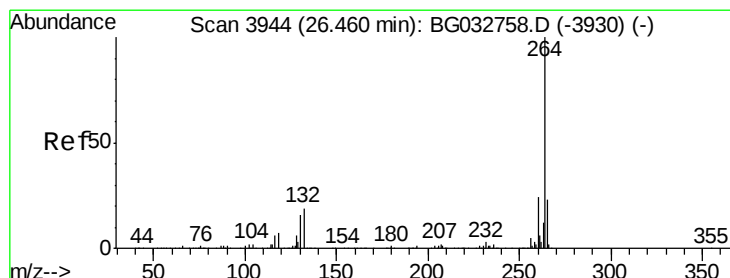
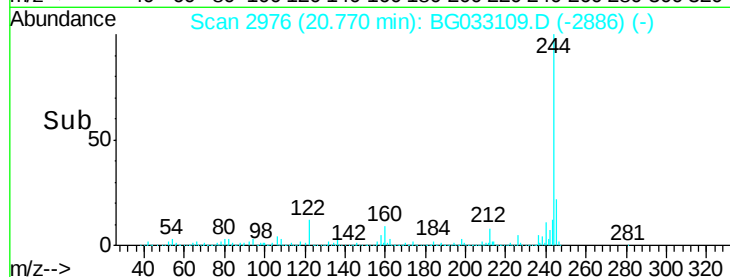
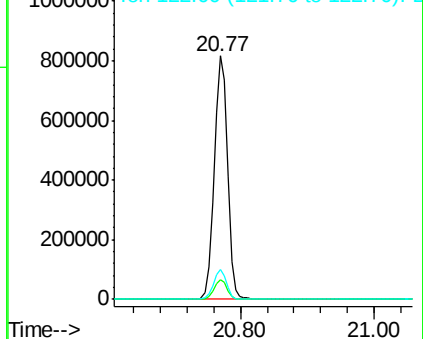
122 12.3 7.0 10.4#



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



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.41 min Scan# 3936

Delta R.T. -0.00 min

Lab File: BG033109.D

Acq: 13 Mar 2018 4:07

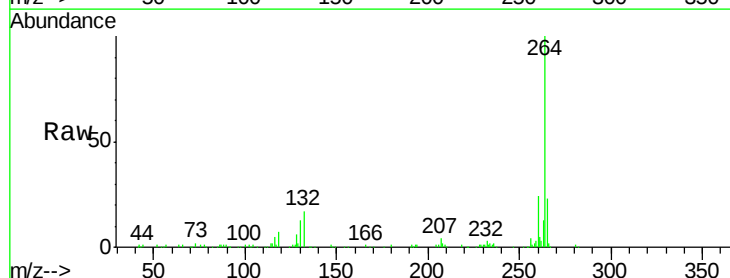
Tgt Ion:264 Resp: 254373

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 23.4 17.7 26.5



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

