

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG071718\
 Data File : BG035708.D
 Acq On : 18 Jul 2018 8:25
 Operator : JU/SJ
 Sample : J3990-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 071218-TIPC-F-D-S

Quant Time: Jul 18 09:04:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 12 14:43:32 2018
 Response via : Initial Calibration

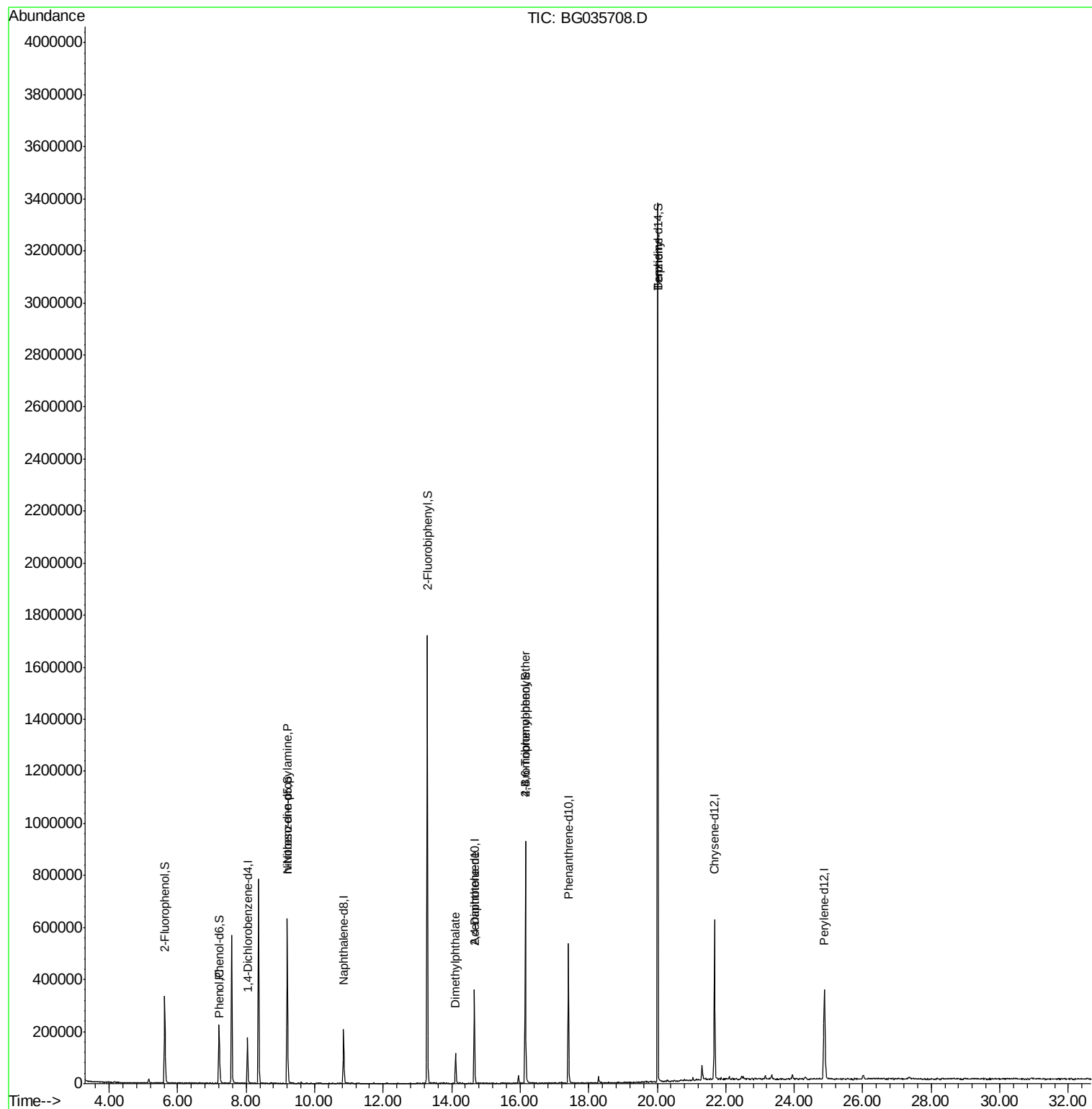
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.04	152	51558	20.00	ng	-0.02
21) Naphthalene-d8	10.84	136	185252	20.00	ng	-0.02
38) Acenaphthene-d10	14.66	164	122790	20.00	ng	-0.01
63) Phenanthrene-d10	17.41	188	346972	20.00	ng	-0.01
75) Chrysene-d12	21.67	240	393446	20.00	ng	-0.01
86) Perylene-d12	24.88	264	381360	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	150069	48.32	ng	0.00
7) Phenol-d6	7.21	99	143190	30.90	ng	0.00
23) Nitrobenzene-d5	9.20	82	424246	95.67	ng	-0.02
41) 2,4,6-Tribromophenol	16.15	330	173212	107.02	ng	-0.01
44) 2-Fluorobiphenyl	13.28	172	946545	103.28	ng	-0.02
78) Terphenyl-d14	20.02	244	1599881	89.63	ng	0.00
Target Compounds						
10) Phenol	7.23	94	14264	3.047	ng	90
19) n-Nitroso-di-n-propylamine	9.20	70	58210	14.919	ng	# 72
49) Dimethylphthalate	14.11	163	91119	8.470	ng	99
56) 2,4-Dinitrotoluene	14.66	165	16123	5.130	ng	# 19
66) 4-Bromophenyl-phenylether	16.15	248	14001	3.478	ng	# 1
76) Benzidine	20.01	184	28640	2.769	ng	# 87

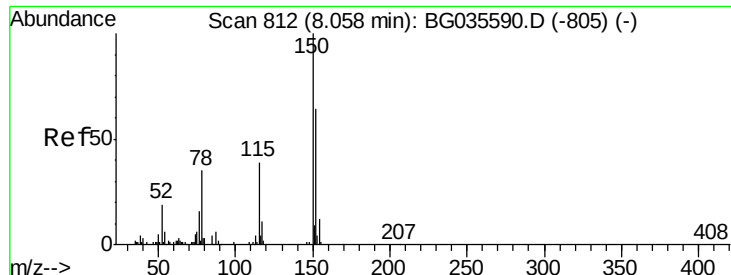
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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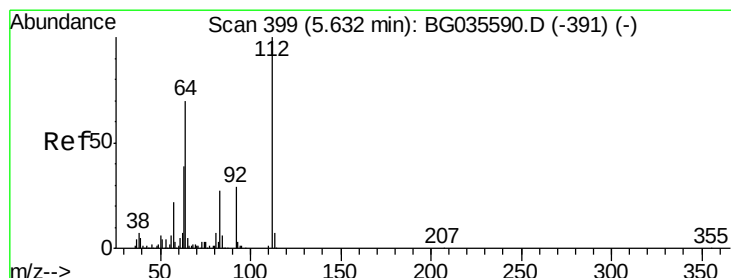
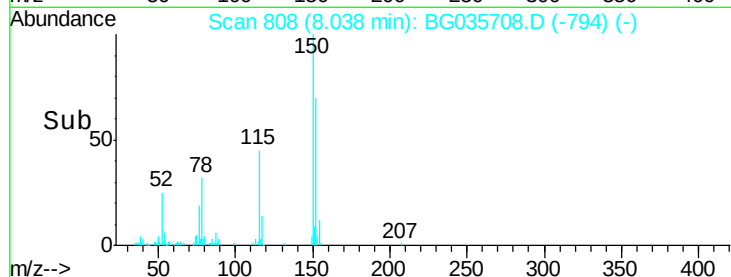
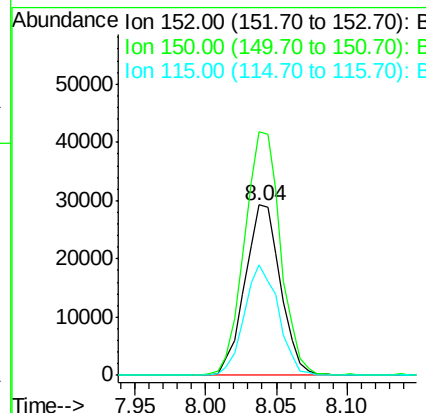
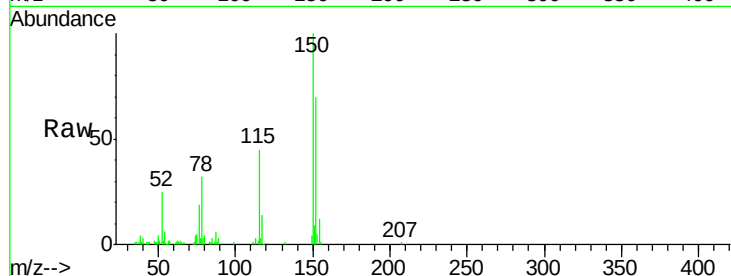


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.04 min Scan# 808
Delta R.T. -0.02 min
Lab File: BG035708.D
Acq: 18 Jul 2018 8:25

Instrument :
BNA_G
ClientSampleId :
071218-TIPC-F-D-S

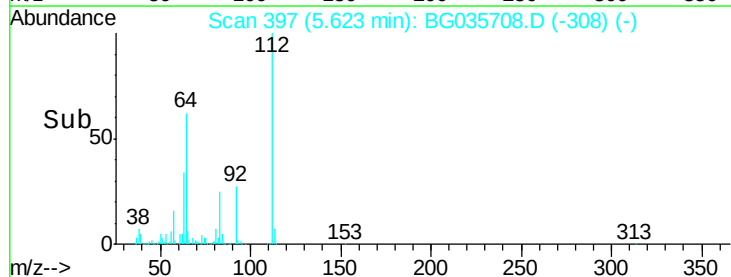
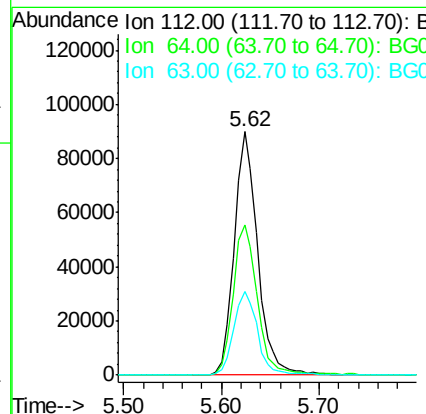
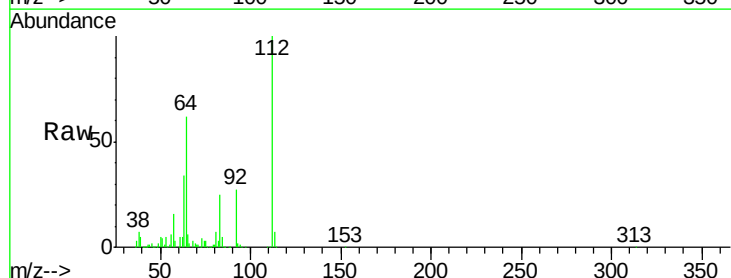
Tgt Ion	Ratio	Lower	Upper
152	100		
150	142.8	126.6	189.8
115	64.6	53.0	79.4

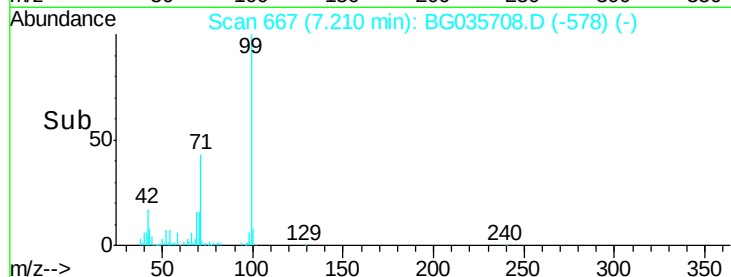
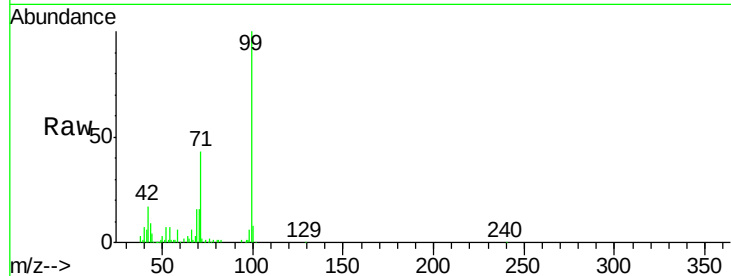
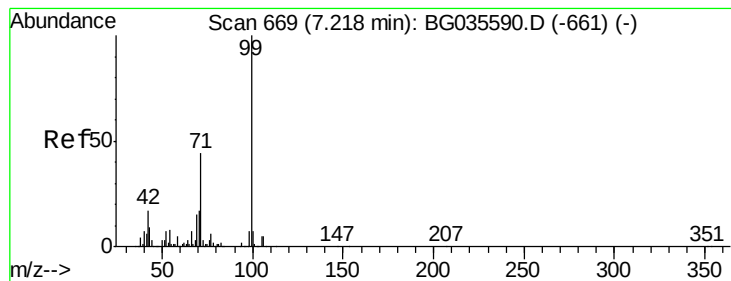


#5

2-Fluorophenol
Concen: 48.324 ng
RT: 5.62 min Scan# 397
Delta R.T. -0.01 min
Lab File: BG035708.D
Acq: 18 Jul 2018 8:25

Tgt Ion	Ratio	Lower	Upper
112	100		
64	61.8	56.3	84.5
63	34.1	30.1	45.1





#7

Phenol-d6

Concen: 30.904 ng

RT: 7.21 min Scan# 667

Delta R.T. -0.01 min

Lab File: BG035708.D

Acq: 18 Jul 2018 8:25

Instrument :

BNA_G

ClientSampleId :

071218-TIPC-F-D-S

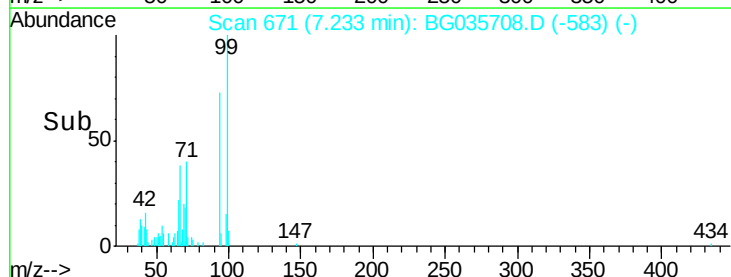
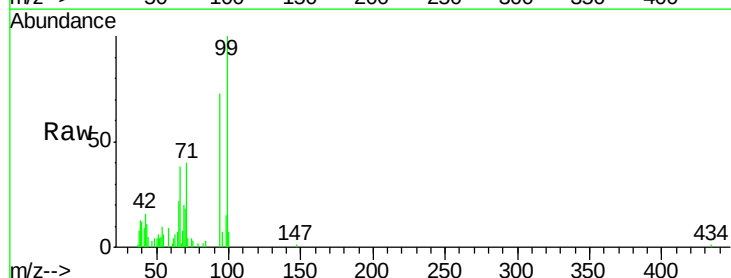
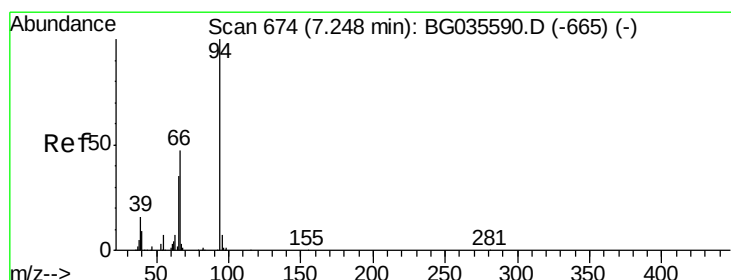
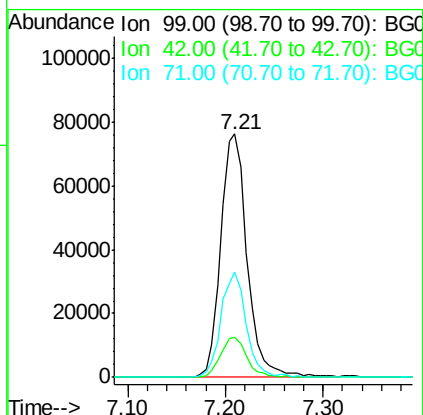
Tgt Ion: 99 Resp: 143190

Ion Ratio Lower Upper

99 100

42 16.6 14.1 21.1

71 43.3 26.1 39.1#



#10

Phenol

Concen: 3.047 ng

RT: 7.23 min Scan# 671

Delta R.T. -0.01 min

Lab File: BG035708.D

Acq: 18 Jul 2018 8:25

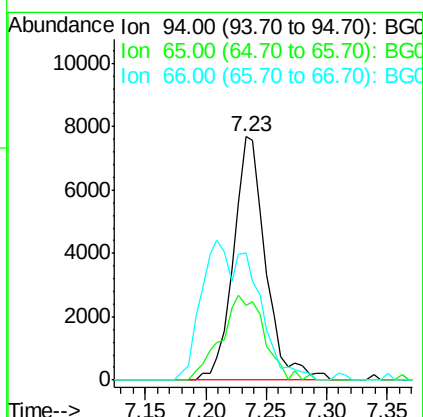
Tgt Ion: 94 Resp: 14264

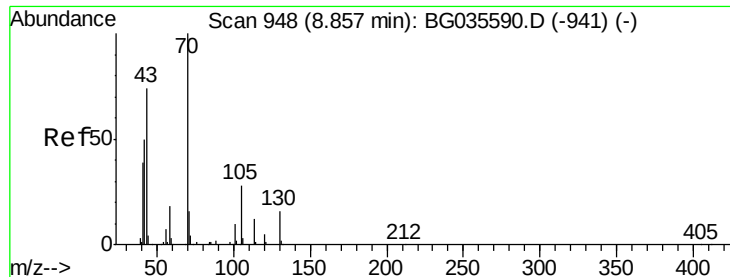
Ion Ratio Lower Upper

94 100

65 30.5 11.9 51.9

66 52.0 22.2 62.2

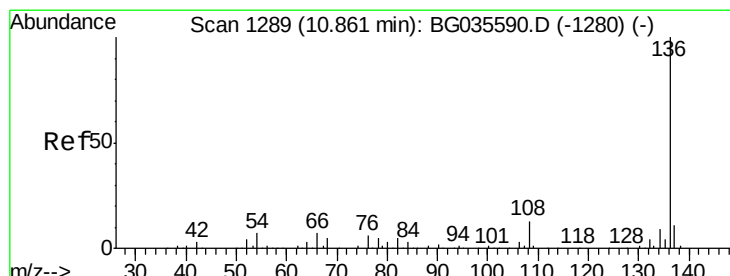
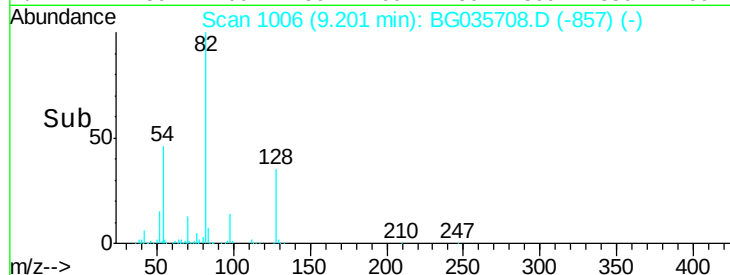
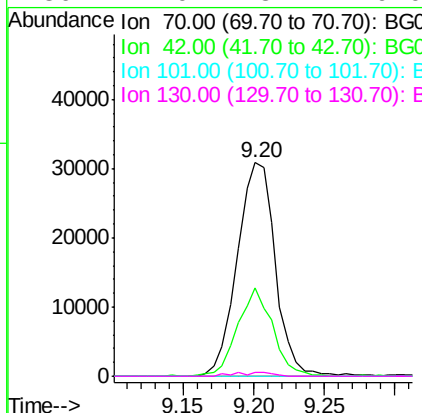
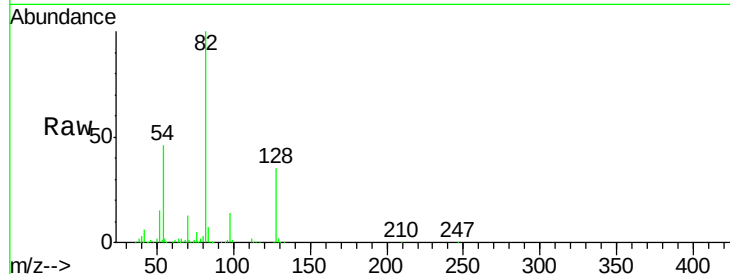




#19
n-Nitroso-di-n-propylamine
Concen: 14.919 ng
RT: 9.20 min Scan# 1006
Delta R.T. 0.34 min
Lab File: BG035708.D
Acq: 18 Jul 2018 8:25

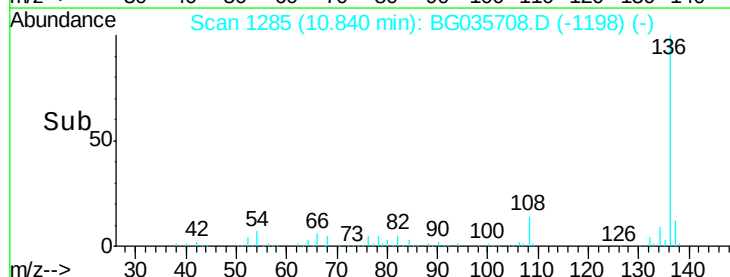
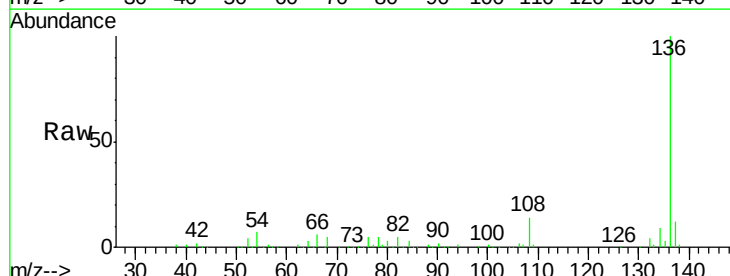
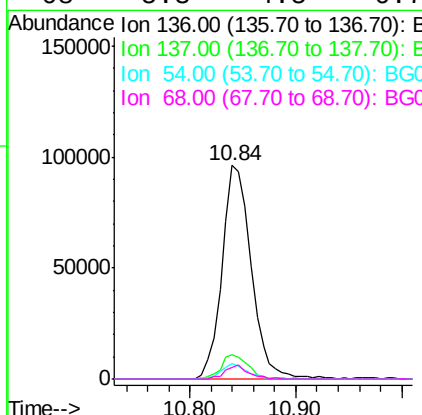
Instrument :
BNA_G
ClientSampleId :
071218-TIPC-F-D-S

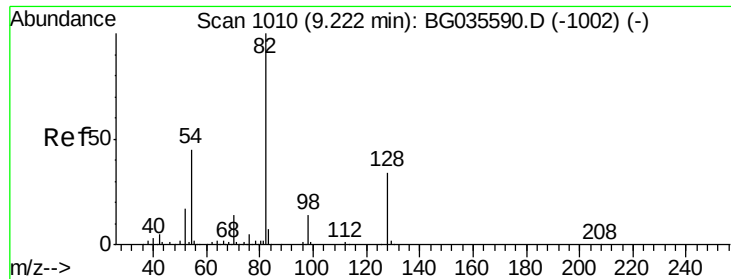
Tgt Ion: 70 Resp: 58210
Ion Ratio Lower Upper
70 100
42 41.4 49.1 73.7#
101 0.0 8.5 12.7#
130 2.0 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.84 min Scan# 1285
Delta R.T. -0.02 min
Lab File: BG035708.D
Acq: 18 Jul 2018 8:25

Tgt Ion: 136 Resp: 185252
Ion Ratio Lower Upper
136 100
137 11.6 9.2 13.8
54 7.1 10.3 15.5#
68 5.3 4.5 6.7

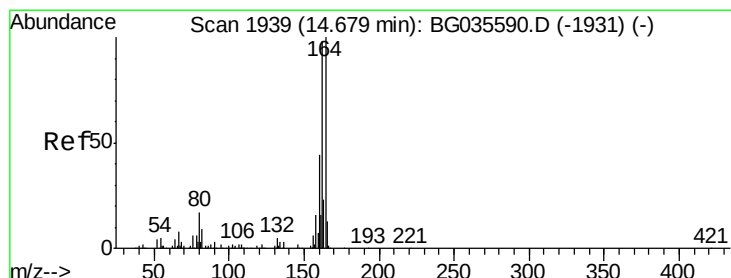
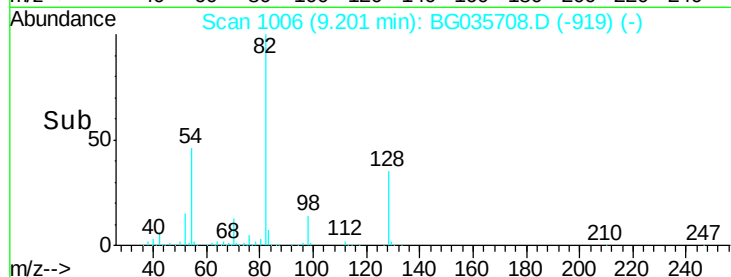
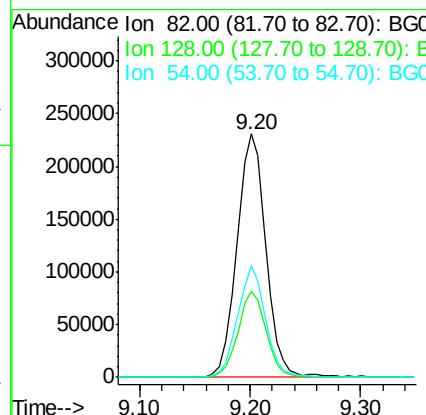
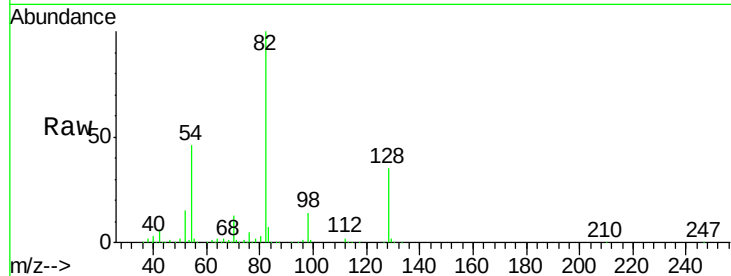




#23
 Nitrobenzene-d5
 Concen: 95.668 ng
 RT: 9.20 min Scan# 1006
 Delta R.T. -0.02 min
 Lab File: BG035708.D
 Acq: 18 Jul 2018 8:25

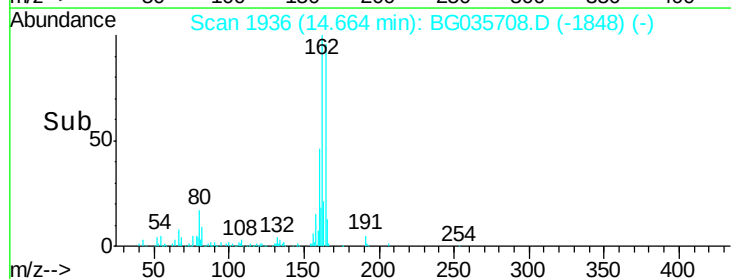
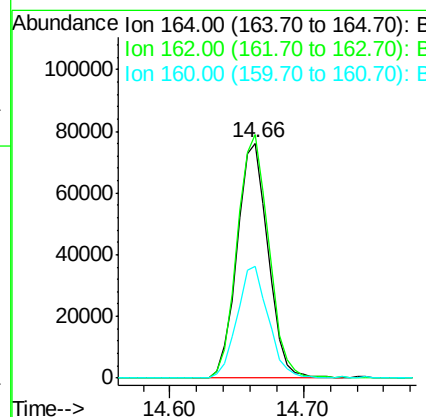
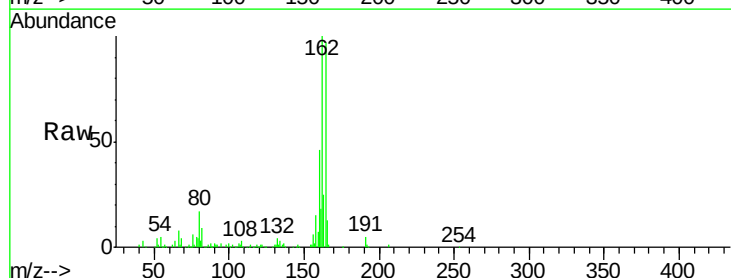
Instrument :
 BNA_G
 ClientSampleId :
 071218-TIPC-F-D-S

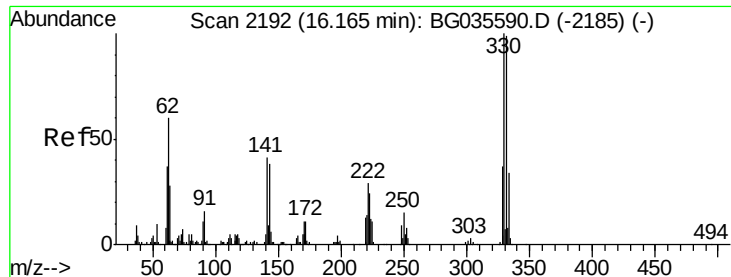
Tgt Ion	Ratio	Lower	Upper
82	100		
128	35.4	29.7	44.5
54	45.7	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.66 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: BG035708.D
 Acq: 18 Jul 2018 8:25

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.5	78.8	118.2
160	47.7	35.4	53.0

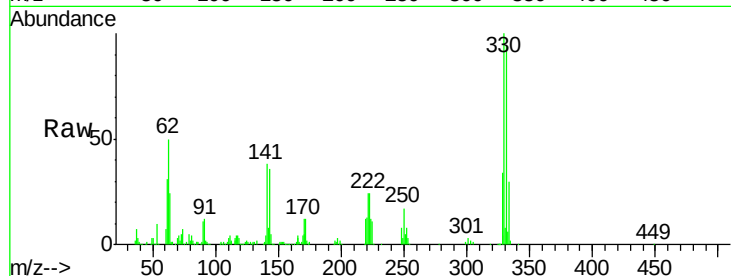




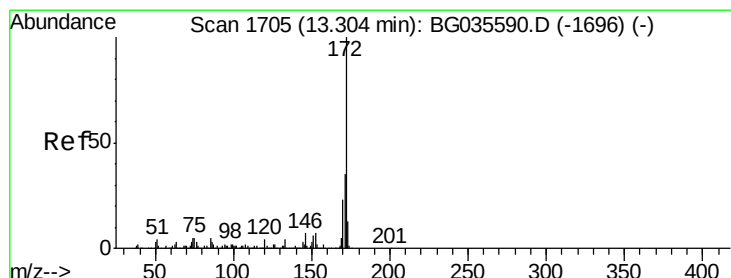
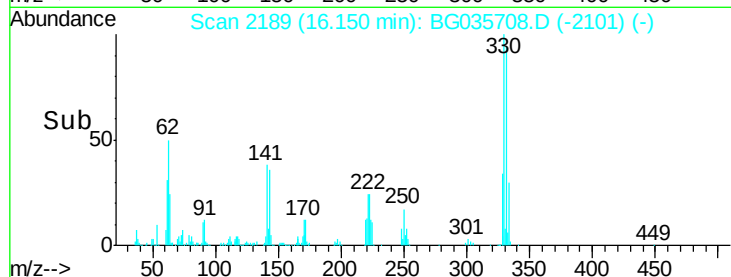
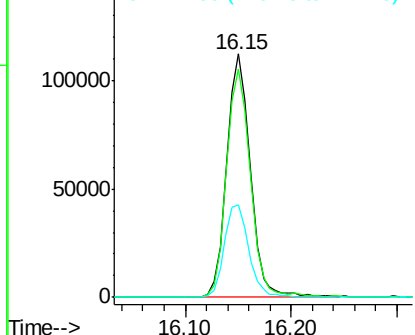
#41
 2,4,6-Tribromophenol
 Concen: 107.023 ng
 RT: 16.15 min Scan# 2189
 Delta R.T. -0.01 min
 Lab File: BG035708.D
 Acq: 18 Jul 2018 8:25

Instrument :
 BNA_G
 ClientSampleId :
 071218-TIPC-F-D-S

Tgt Ion:330 Resp: 173212
 Ion Ratio Lower Upper
 330 100
 332 95.3 77.0 115.6
 141 39.6 25.2 37.8#

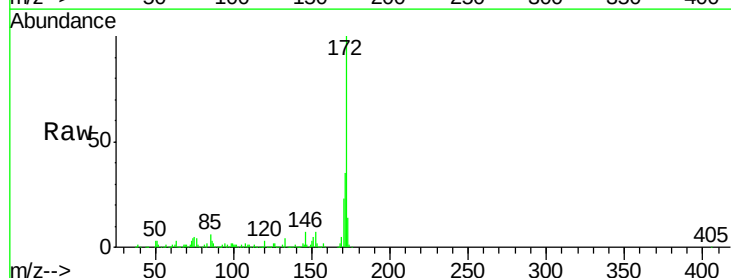


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

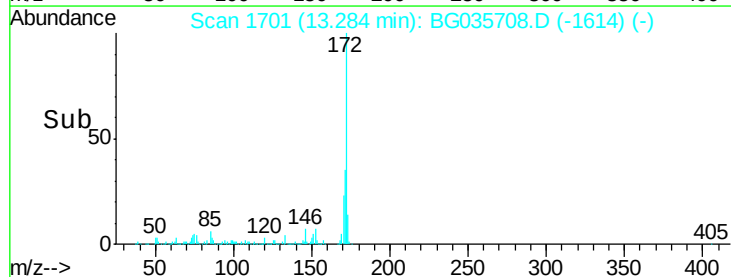
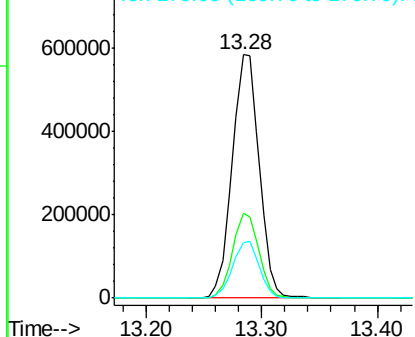


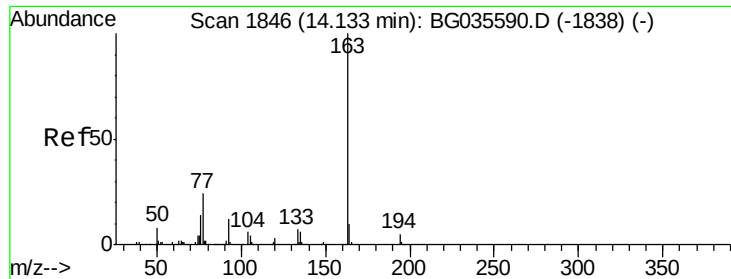
#44
 2-Fluorobiphenyl
 Concen: 103.276 ng
 RT: 13.28 min Scan# 1701
 Delta R.T. -0.02 min
 Lab File: BG035708.D
 Acq: 18 Jul 2018 8:25

Tgt Ion:172 Resp: 946545
 Ion Ratio Lower Upper
 172 100
 171 34.7 30.0 45.0
 170 22.8 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

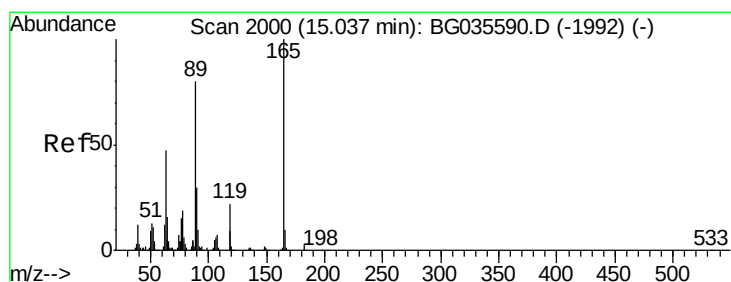
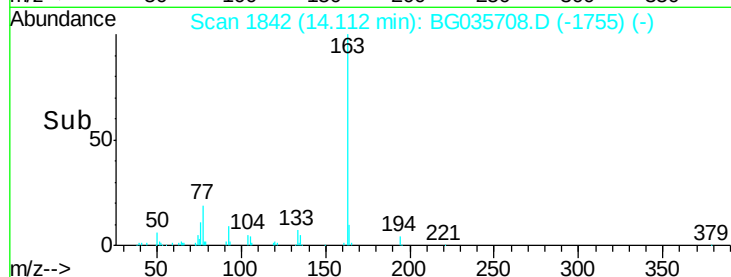
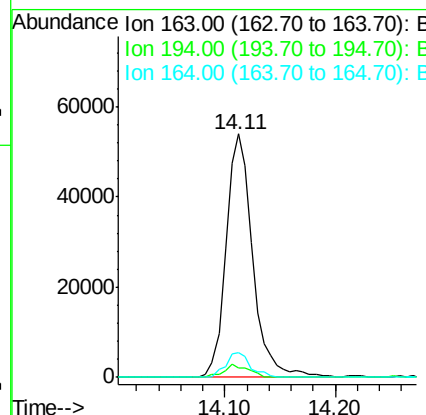
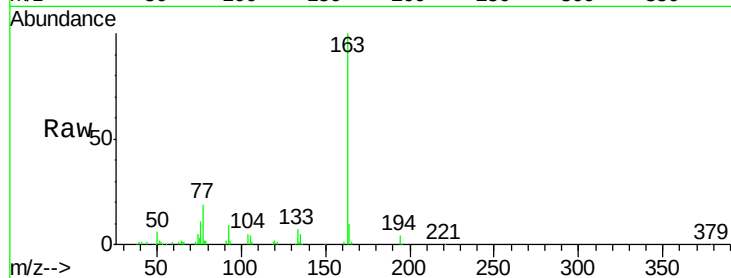




#49
Dimethylphthalate
Concen: 8.470 ng
RT: 14.11 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BG035708.D
Acq: 18 Jul 2018 8:25

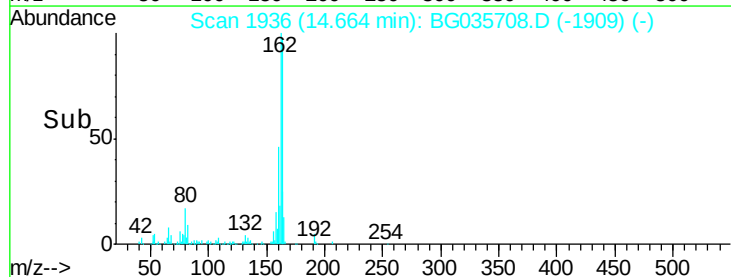
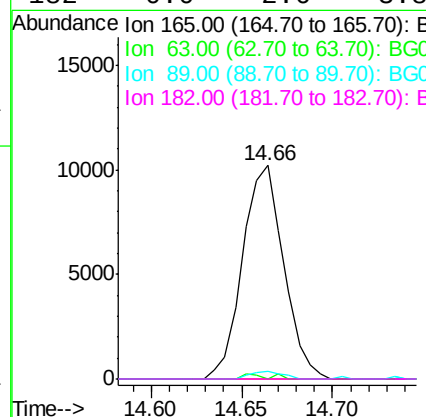
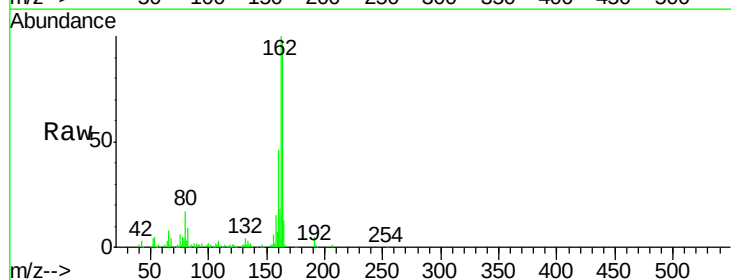
Instrument :
BNA_G
ClientSampleId :
071218-TIPC-F-D-S

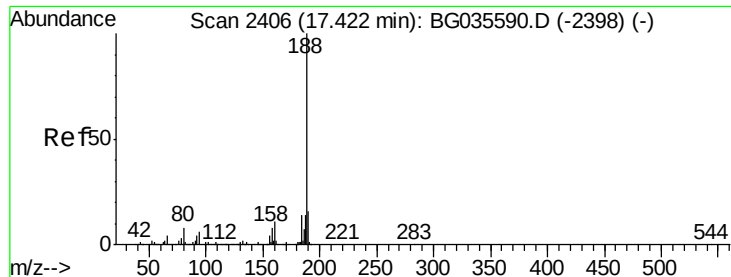
Tgt Ion:163 Resp: 91119
Ion Ratio Lower Upper
163 100
194 3.6 3.4 5.2
164 10.2 8.2 12.4



#56
2,4-Dinitrotoluene
Concen: 5.130 ng
RT: 14.66 min Scan# 1936
Delta R.T. -0.37 min
Lab File: BG035708.D
Acq: 18 Jul 2018 8:25

Tgt Ion:165 Resp: 16123
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.8 66.9 100.3#
182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.41 min Scan# 2403

Delta R.T. -0.01 min

Lab File: BG035708.D

Acq: 18 Jul 2018 8:25

Instrument :

BNA_G

ClientSampleId :

071218-TIPC-F-D-S

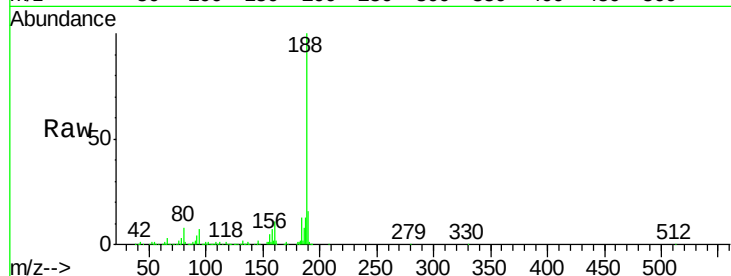
Tgt Ion:188 Resp: 346972

Ion Ratio Lower Upper

188 100

94 6.9 6.9 10.3

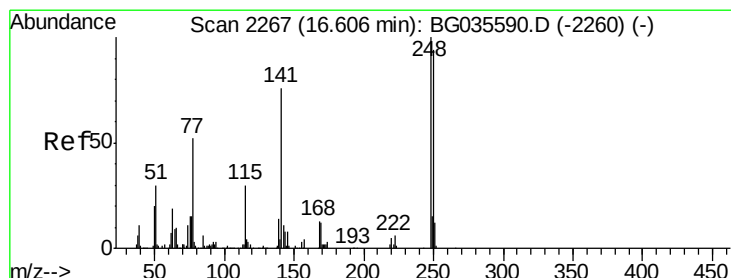
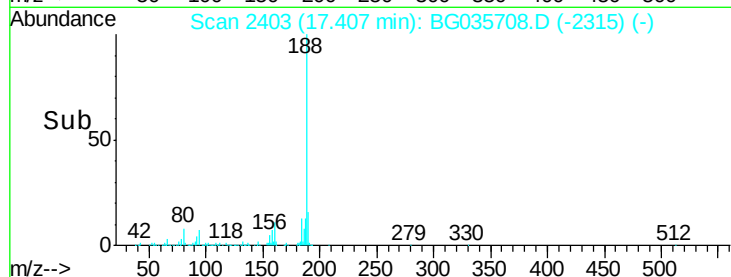
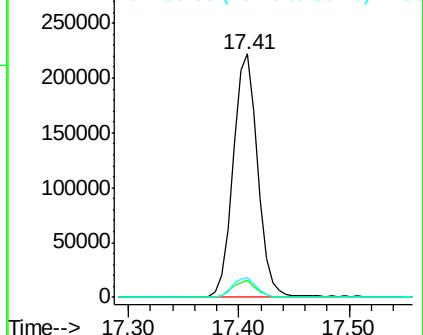
80 8.0 7.7 11.5



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



#66

4-Bromophenyl-phenylether

Concen: 3.478 ng

RT: 16.15 min Scan# 2189

Delta R.T. -0.46 min

Lab File: BG035708.D

Acq: 18 Jul 2018 8:25

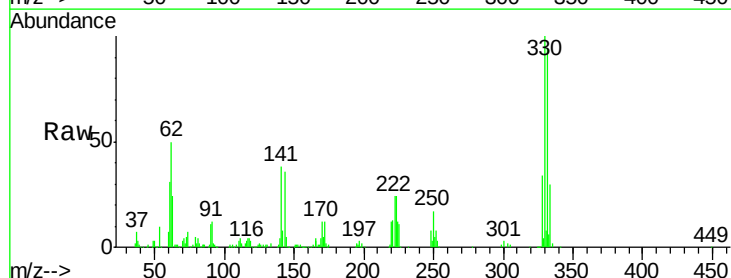
Tgt Ion:248 Resp: 14001

Ion Ratio Lower Upper

248 100

250 208.6 77.1 115.7#

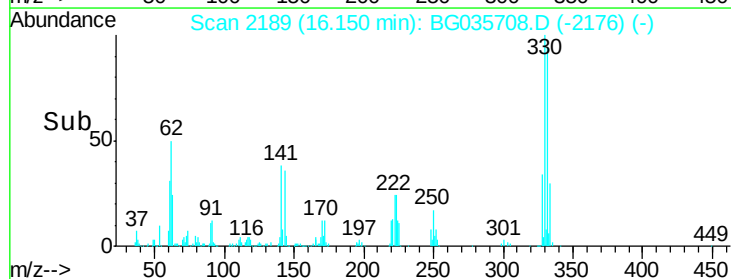
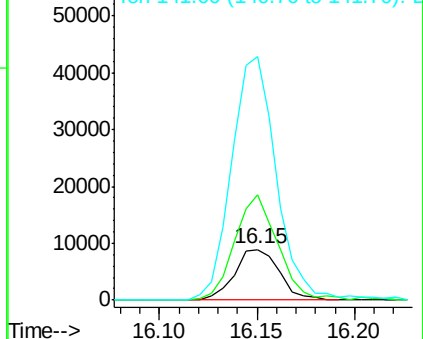
141 480.8 50.8 76.2#

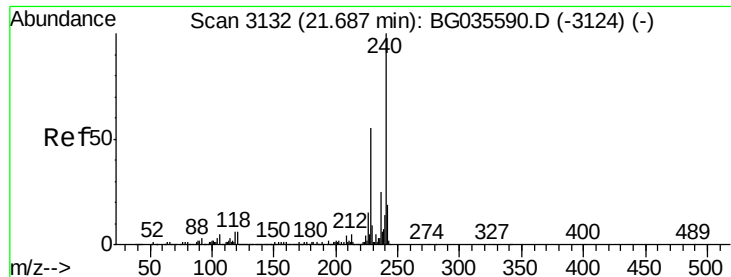


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.67 min Scan# 3129

Delta R.T. -0.01 min

Lab File: BG035708.D

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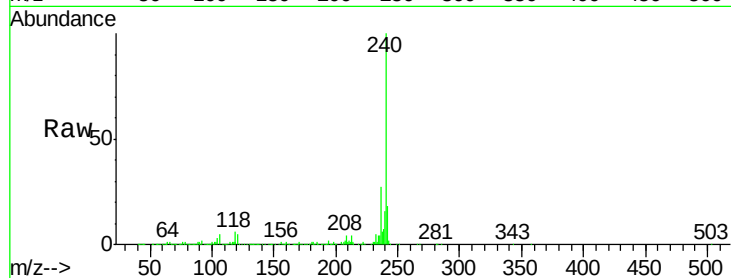
Tgt Ion:240 Resp: 393446

Ion Ratio Lower Upper

240 100

120 5.1 6.8 10.2#

236 26.6 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

21.67

200000

150000

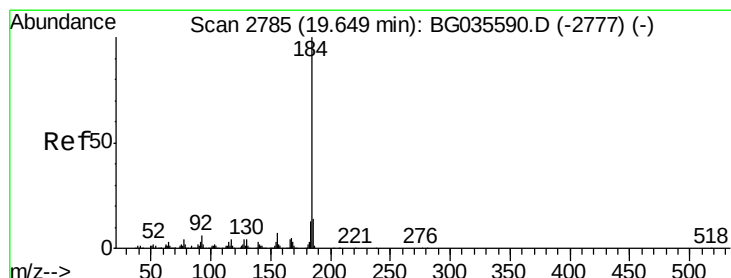
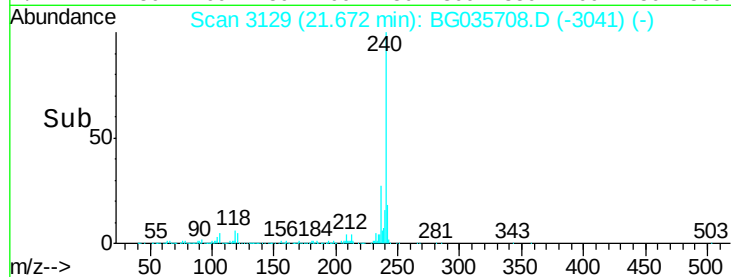
100000

50000

0

21.60 21.70

Time-->



#76

Benzidine

Concen: 2.769 ng

RT: 20.01 min Scan# 2846

Delta R.T. 0.36 min

Lab File: BG035708.D

Acq: 18 Jul 2018 8:25

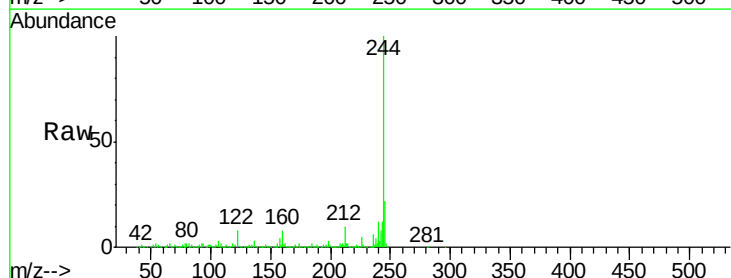
Tgt Ion:184 Resp: 28640

Ion Ratio Lower Upper

184 100

185 19.3 11.1 16.7#

183 8.3 10.6 16.0#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

20.01

25000

20000

15000

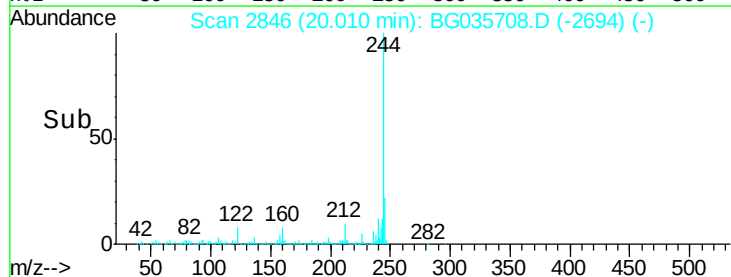
10000

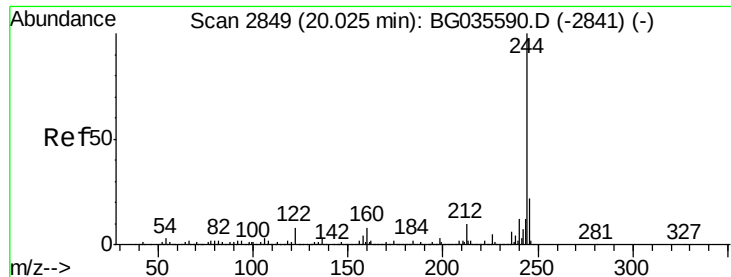
5000

0

19.95 20.05

Time-->





#78

Terphenyl-d14

Concen: 89.634 ng

RT: 20.02 min Scan# 2847

Delta R.T. -0.01 min

Lab File: BG035708.D

Acq: 18 Jul 2018 8:25

Instrument :

BNA_G

ClientSampleId :

071218-TIPC-F-D-S

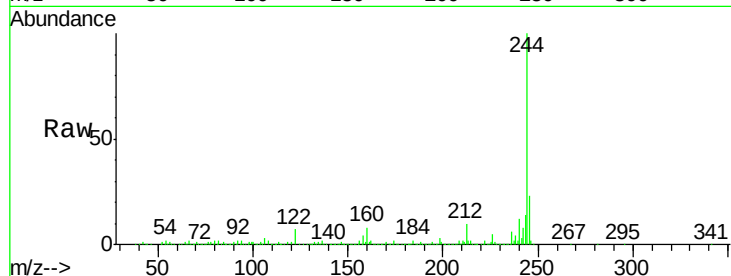
Tgt Ion:244 Resp: 1599881

Ion Ratio Lower Upper

244 100

212 9.6 5.8 8.8#

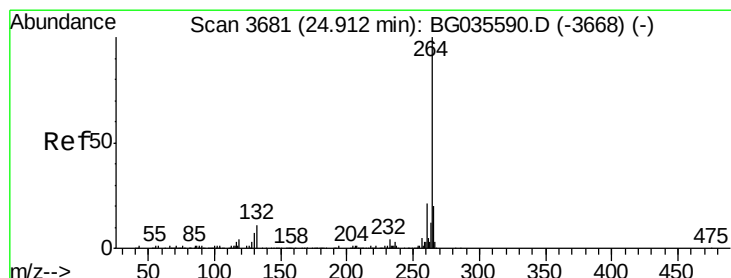
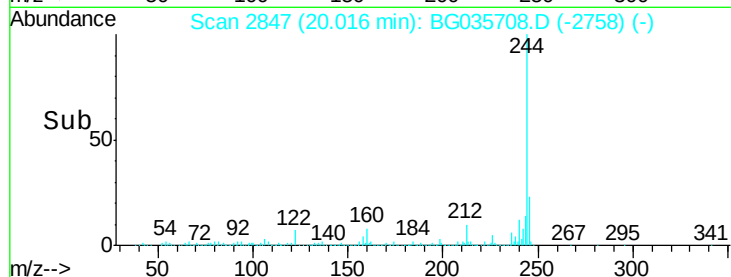
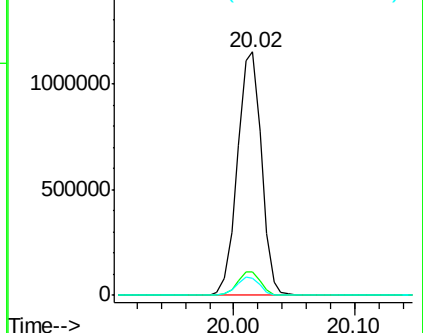
122 7.2 7.0 10.4



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: 24.88 min Scan# 3675

Delta R.T. -0.03 min

Lab File: BG035708.D

Acq: 18 Jul 2018 8:25

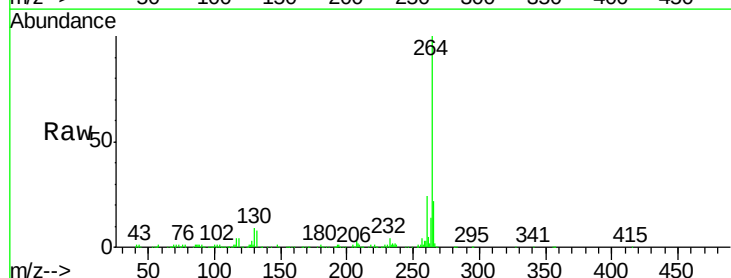
Tgt Ion:264 Resp: 381360

Ion Ratio Lower Upper

264 100

260 23.6 17.4 26.0

265 21.8 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

