

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG072518\
 Data File : BG035902.D
 Acq On : 26 Jul 2018 10:06
 Operator : JU/SJ
 Sample : J4107-08
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 071918-TIPC-E-U-M

Quant Time: Jul 26 11:01:50 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG071218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 25 11:04:14 2018
 Response via : Initial Calibration

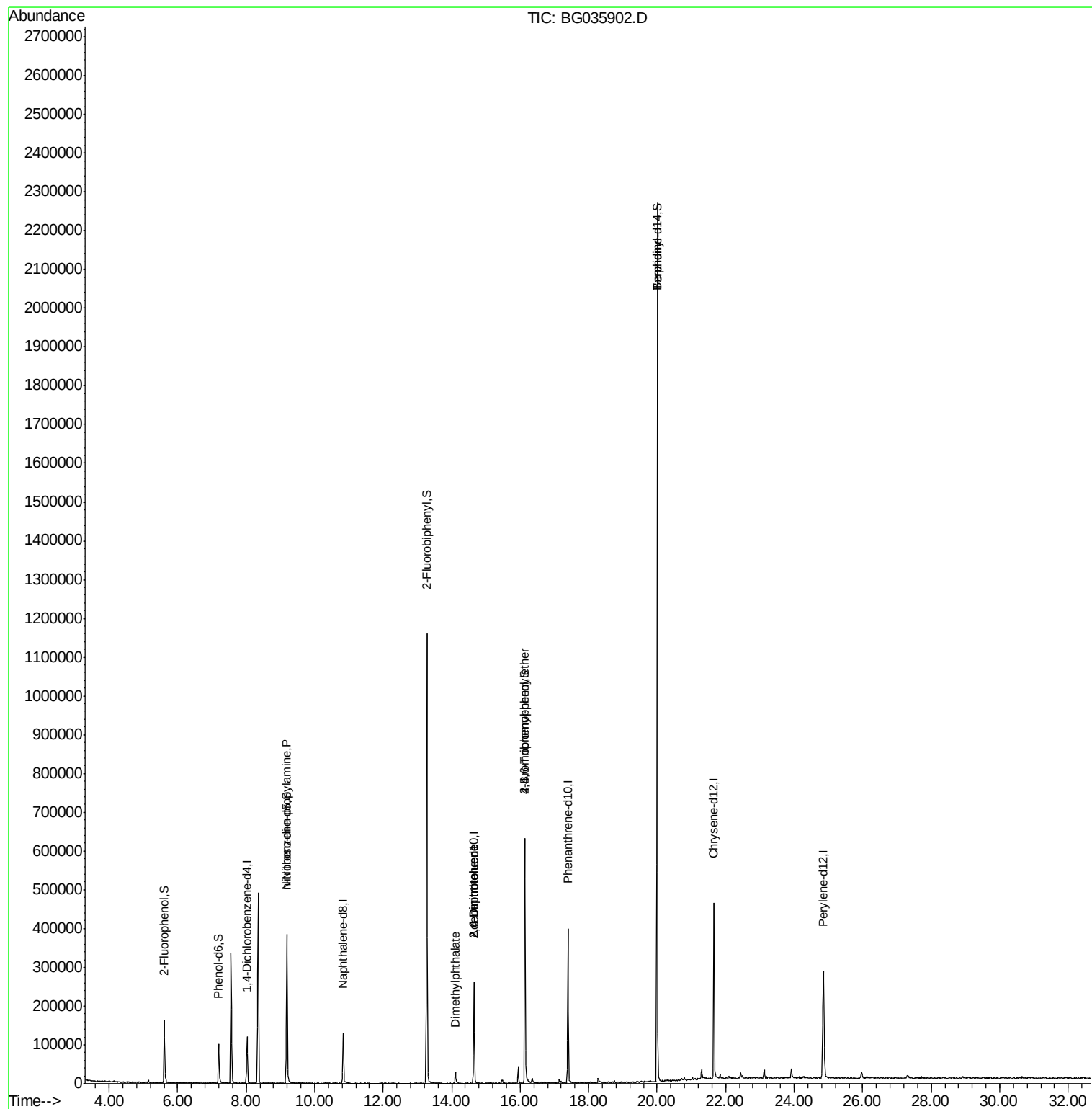
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	36073	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	125304	20.00	ng	0.00
38) Acenaphthene-d10	14.65	164	92834	20.00	ng	0.00
63) Phenanthrene-d10	17.39	188	269261	20.00	ng	0.00
75) Chrysene-d12	21.65	240	311360	20.00	ng	0.00
86) Perylene-d12	24.85	264	295421	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	76465	35.19	ng	0.00
7) Phenol-d6	7.20	99	73289	22.61	ng	0.00
23) Nitrobenzene-d5	9.19	82	274142	91.40	ng	0.00
41) 2,4,6-Tribromophenol	16.14	330	125621	102.66	ng	0.00
44) 2-Fluorobiphenyl	13.27	172	664879	95.95	ng	0.00
78) Terphenyl-d14	20.00	244	1111296	78.68	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.19	70	37298	13.663	ng	# 68
49) Dimethylphthalate	14.10	163	27608	3.394	ng	# 94
50) 2,6-Dinitrotoluene	14.65	165	12780	7.716	ng	# 25
56) 2,4-Dinitrotoluene	14.65	165	12780	5.378	ng	# 22
66) 4-Bromophenyl-phenylether	16.14	248	10165	3.254	ng	# 1
76) Benzidine	20.00	184	18266	2.231	ng	# 89

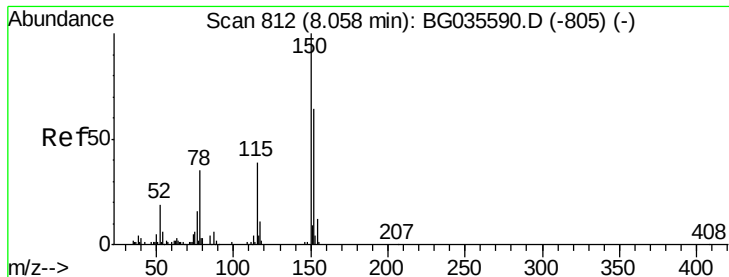
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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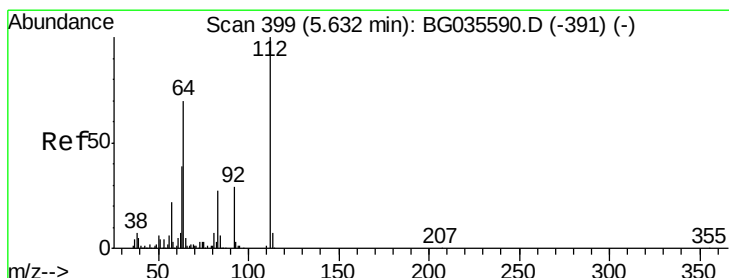
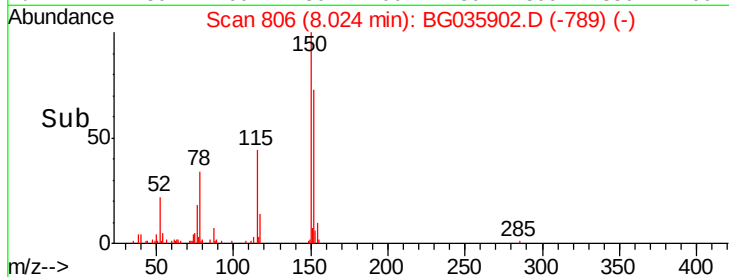
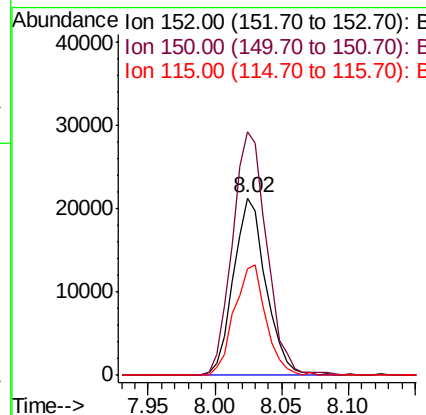
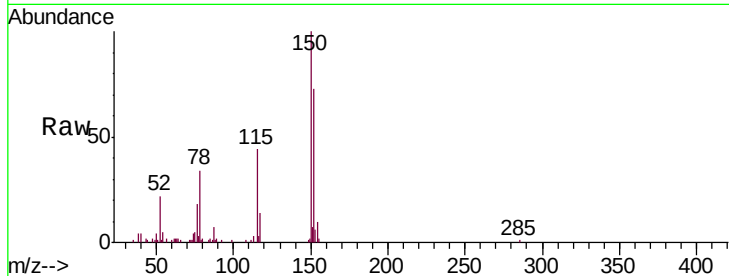


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.02 min Scan# 806
Delta R.T. 0.00 min
Lab File: BG035902.D
Acq: 26 Jul 2018 10:06

Instrument :
BNA_G
ClientSampleId :
071918-TIPC-E-U-M

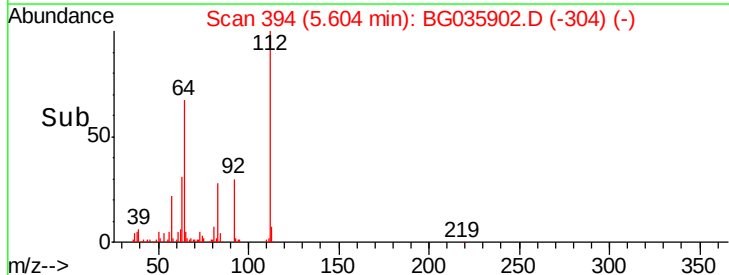
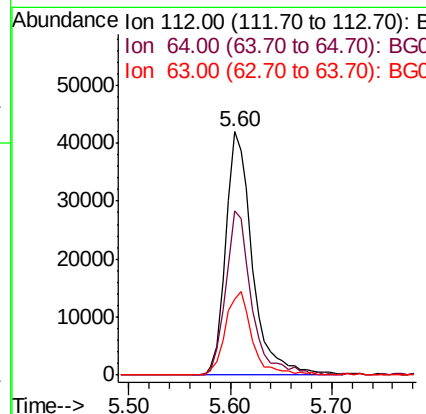
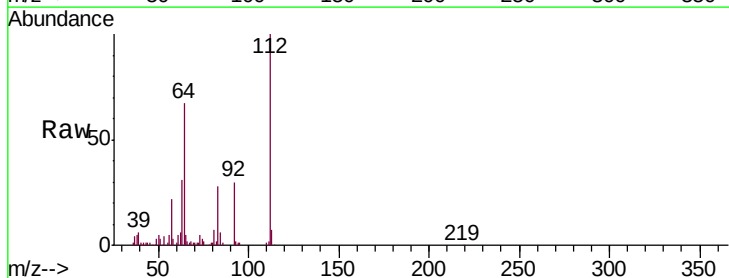
Tgt Ion:152 Resp: 36073
Ion Ratio Lower Upper
152 100
150 137.5 126.6 189.8
115 60.2 53.0 79.4

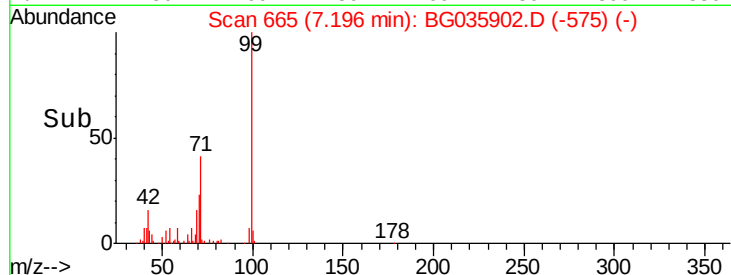
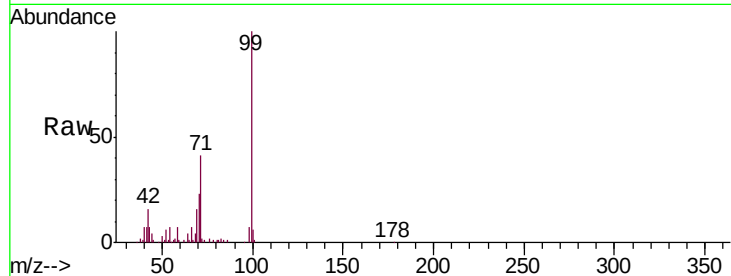
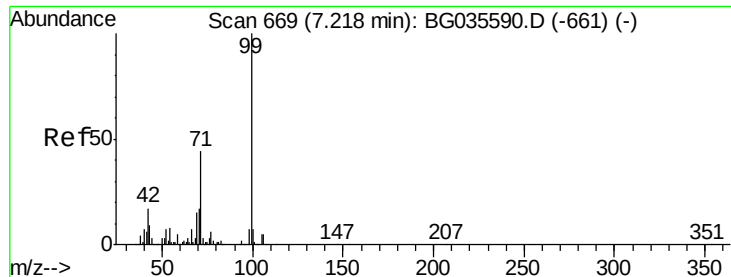


#5

2-Fluorophenol
Concen: 35.192 ng
RT: 5.60 min Scan# 394
Delta R.T. 0.00 min
Lab File: BG035902.D
Acq: 26 Jul 2018 10:06

Tgt Ion:112 Resp: 76465
Ion Ratio Lower Upper
112 100
64 67.4 56.3 84.5
63 31.4 30.1 45.1





#7

Phenol-d6

Concen: 22.608 ng

RT: 7.20 min Scan# 665

Delta R.T. 0.00 min

Lab File: BG035902.D

Acq: 26 Jul 2018 10:06

Instrument :

BNA_G

ClientSampleId :

071918-TIPC-E-U-M

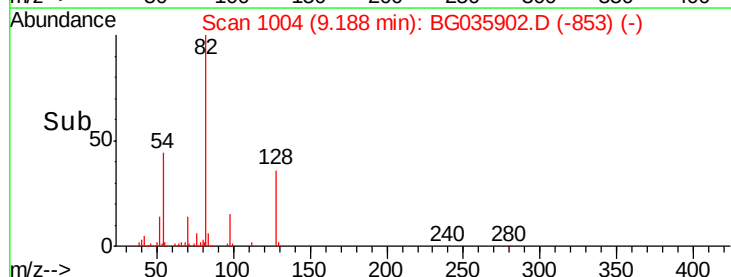
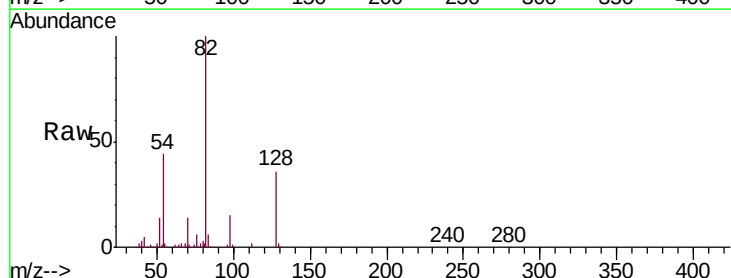
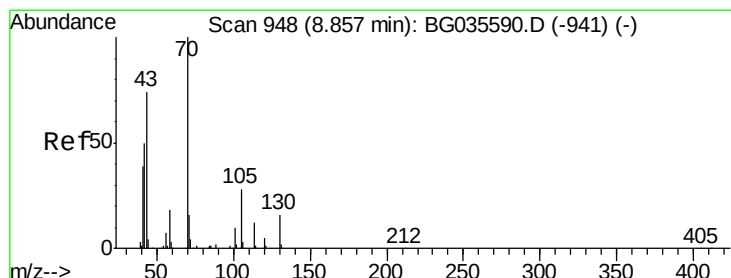
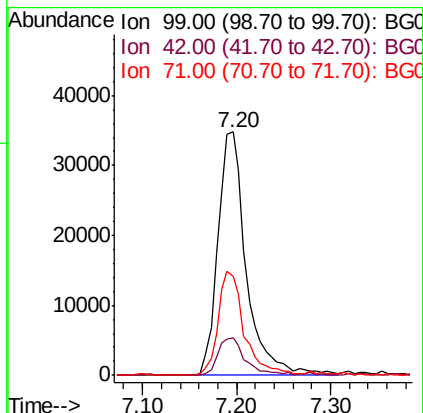
Tgt Ion: 99 Resp: 73289

Ion Ratio Lower Upper

99 100

42 15.5 14.1 21.1

71 40.8 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 13.663 ng

RT: 9.19 min Scan# 1004

Delta R.T. 0.36 min

Lab File: BG035902.D

Acq: 26 Jul 2018 10:06

Tgt Ion: 70 Resp: 37298

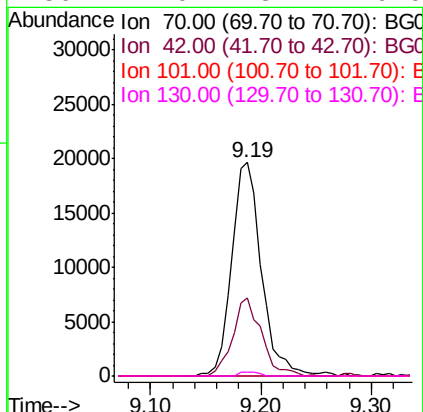
Ion Ratio Lower Upper

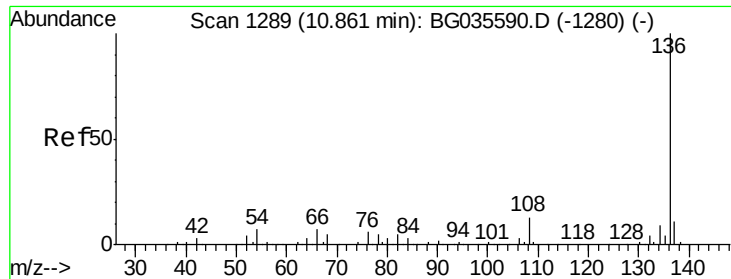
70 100

42 36.7 49.1 73.7#

101 0.0 8.5 12.7#

130 2.0 13.4 20.0#

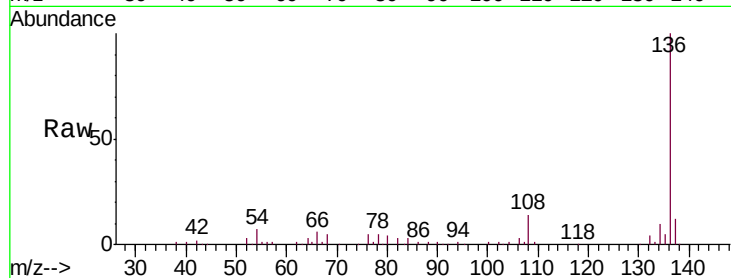




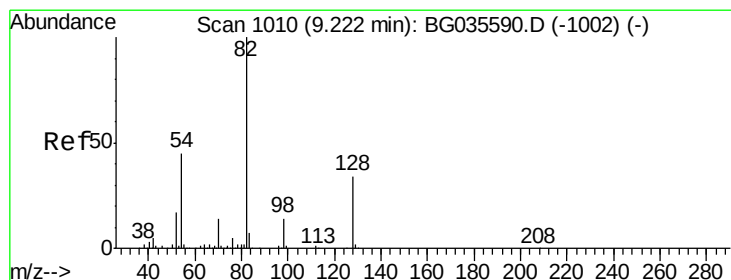
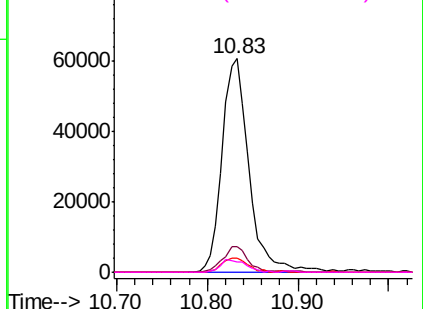
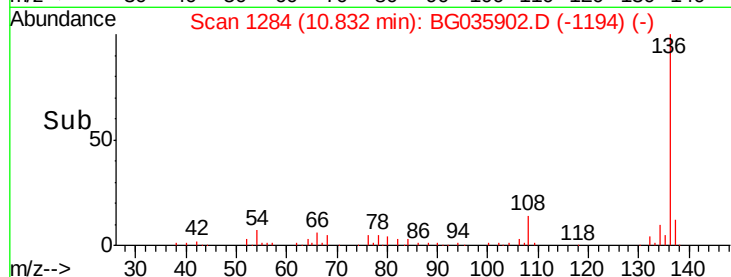
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.83 min Scan# 1284
Delta R.T. 0.00 min
Lab File: BG035902.D
Acq: 26 Jul 2018 10:06

Instrument :
BNA_G
ClientSampleId :
071918-TIPC-E-U-M

Tgt Ion:	136	Resp:	125304
Ion	Ratio	Lower	Upper
136	100		
137	12.3	9.2	13.8
54	6.5	10.3	15.5
68	5.0	4.5	6.7

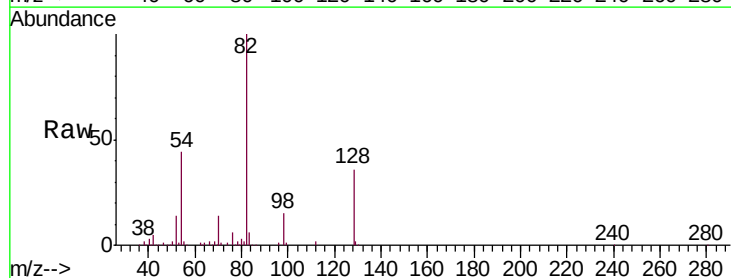


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BG
Ion 68.00 (67.70 to 68.70): BG

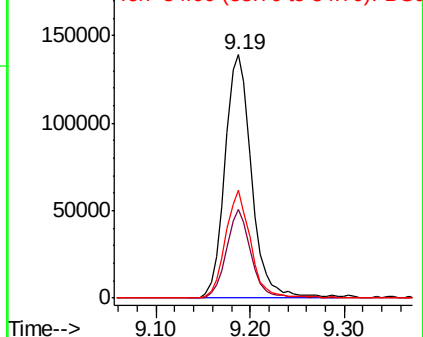
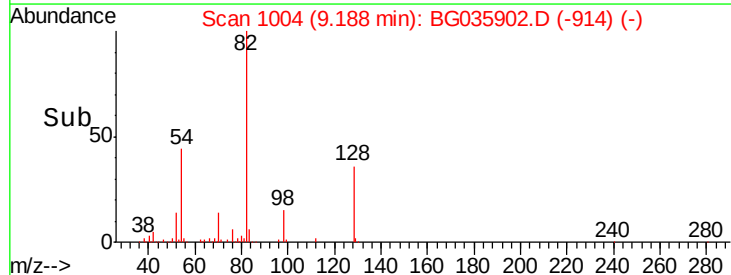


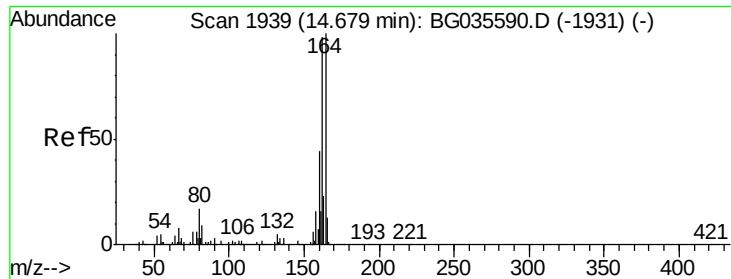
#23
Nitrobenzene-d5
Concen: 91.395 ng
RT: 9.19 min Scan# 1004
Delta R.T. 0.00 min
Lab File: BG035902.D
Acq: 26 Jul 2018 10:06

Tgt Ion:	82	Resp:	274142
Ion	Ratio	Lower	Upper
82	100		
128	36.5	29.7	44.5
54	44.1	43.1	64.7



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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1934

Delta R.T. 0.00 min

Lab File: BG035902.D

Acq: 26 Jul 2018 10:06

Instrument :

BNA_G

ClientSampleId :

071918-TIPC-E-U-M

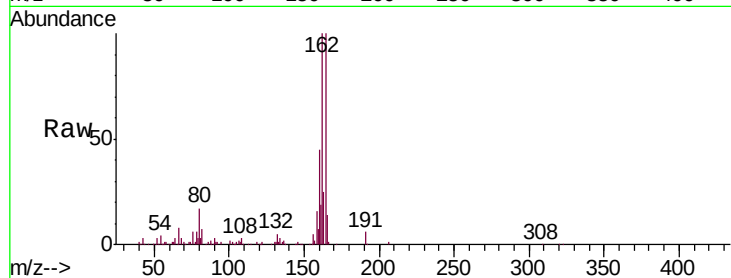
Tgt Ion:164 Resp: 92834

Ion Ratio Lower Upper

164 100

162 100.1 78.8 118.2

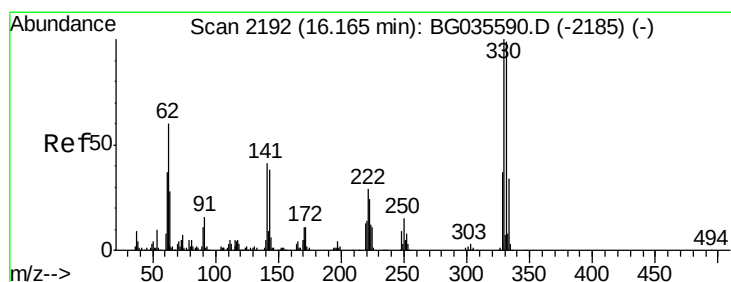
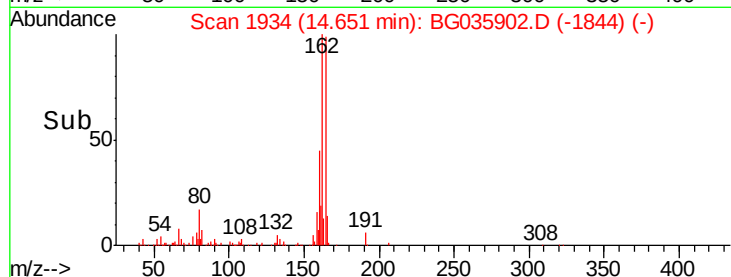
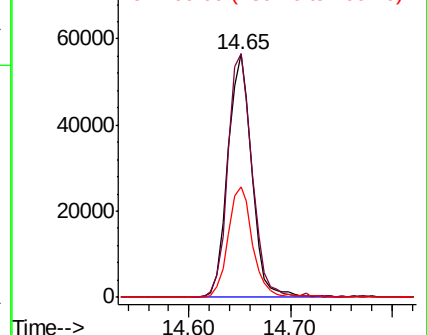
160 45.2 35.4 53.0



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: 102.664 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.01 min

Lab File: BG035902.D

Acq: 26 Jul 2018 10:06

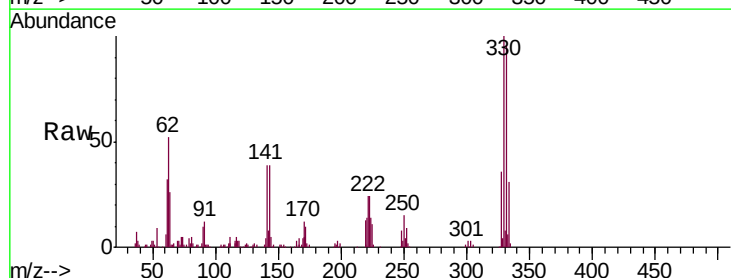
Tgt Ion:330 Resp: 125621

Ion Ratio Lower Upper

330 100

332 94.1 77.0 115.6

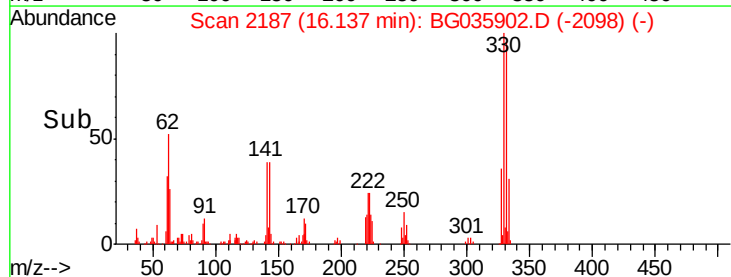
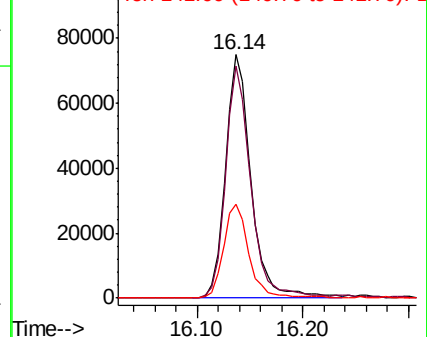
141 38.9 25.2 37.8#

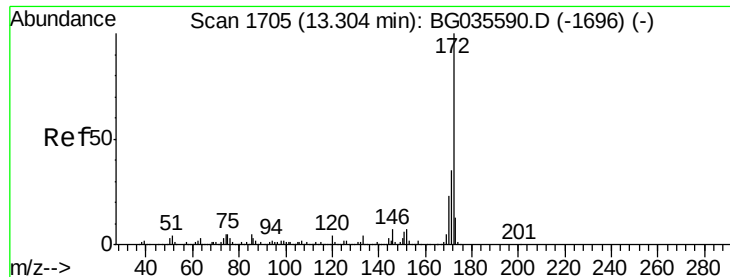


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

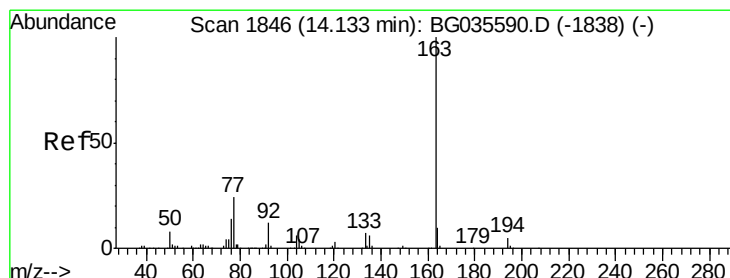
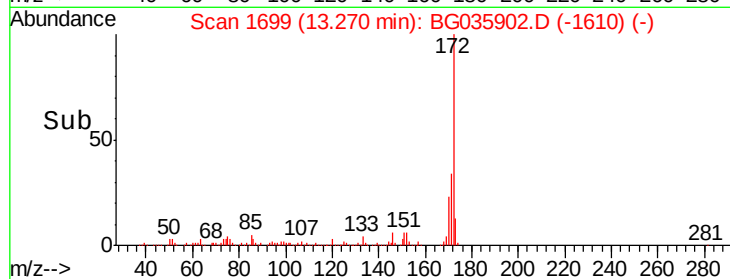
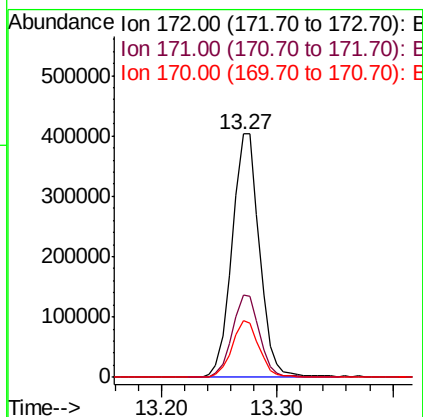
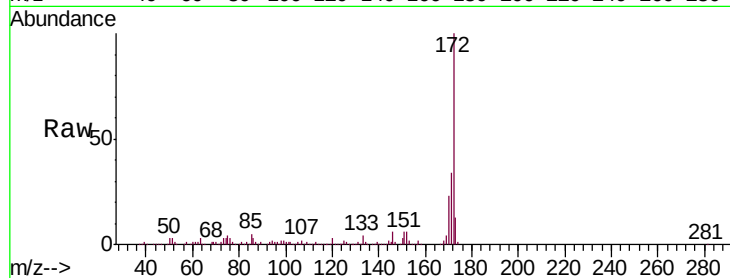




#44
2-Fluorobiphenyl
Concen: 95.953 ng
RT: 13.27 min Scan# 1699
Delta R.T. -0.01 min
Lab File: BG035902.D
Acq: 26 Jul 2018 10:06

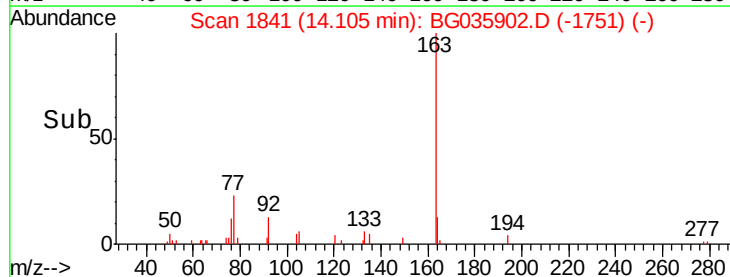
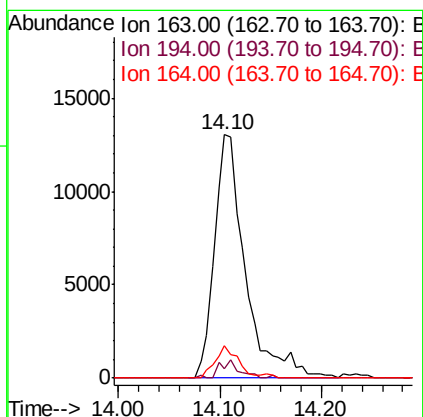
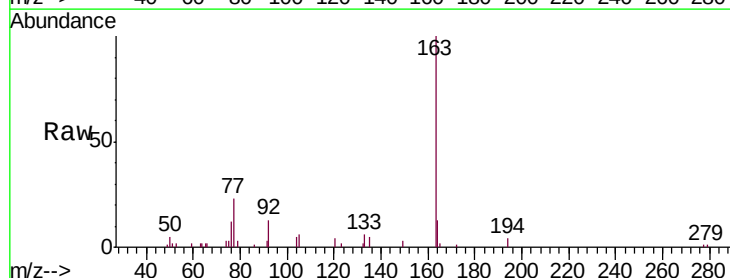
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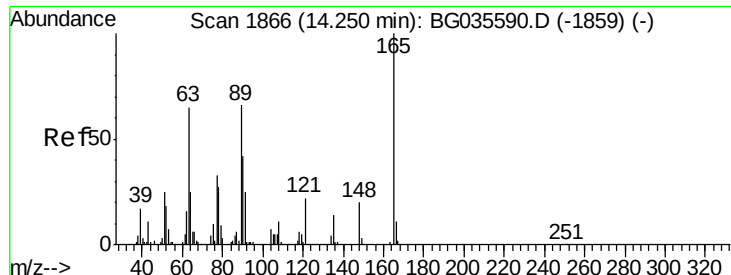
Tgt Ion:172 Resp: 664879
Ion Ratio Lower Upper
172 100
171 33.8 30.0 45.0
170 23.2 19.5 29.3



#49
Dimethylphthalate
Concen: 3.394 ng
RT: 14.10 min Scan# 1841
Delta R.T. 0.00 min
Lab File: BG035902.D
Acq: 26 Jul 2018 10:06

Tgt Ion:163 Resp: 27608
Ion Ratio Lower Upper
163 100
194 3.9 3.4 5.2
164 13.3 8.2 12.4#

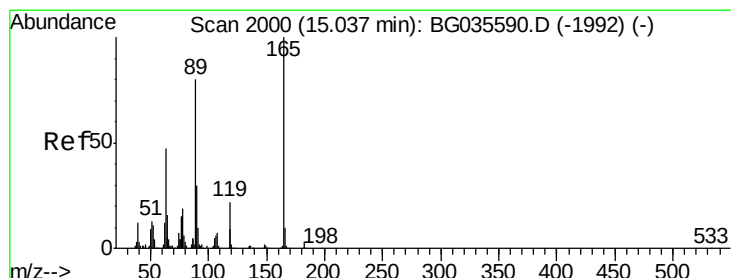
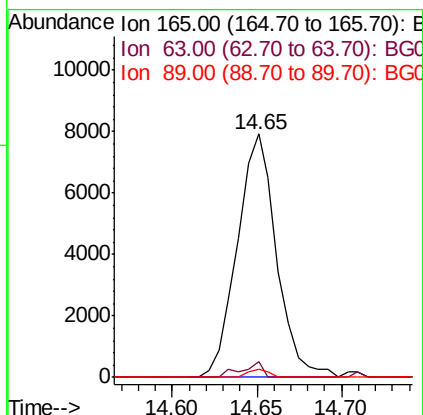
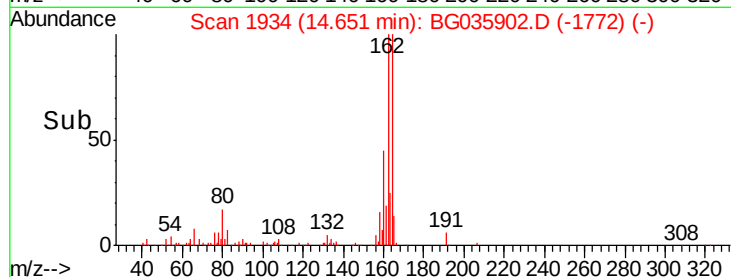
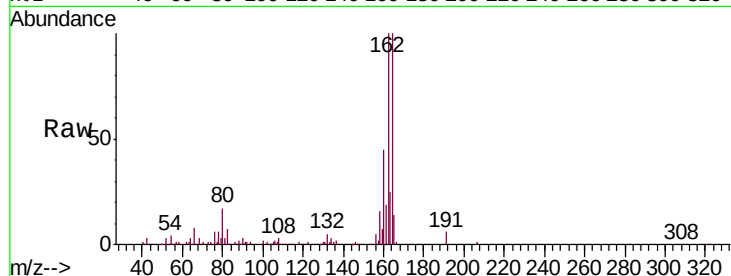




#50
 2,6-Dinitrotoluene
 Concen: 7.716 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. 0.42 min
 Lab File: BG035902.D
 Acq: 26 Jul 2018 10:06

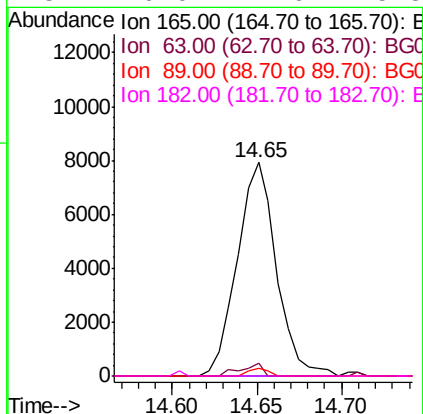
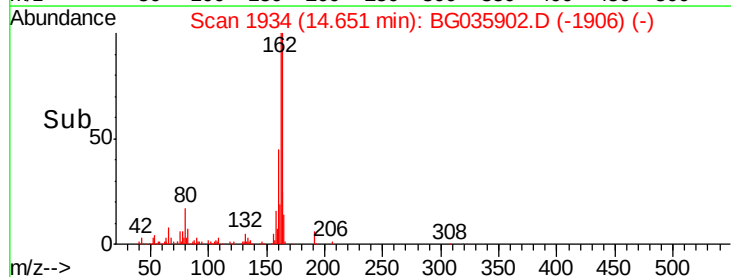
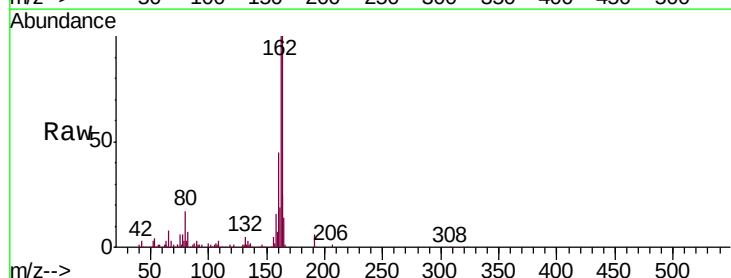
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 071918-TIPC-E-U-M

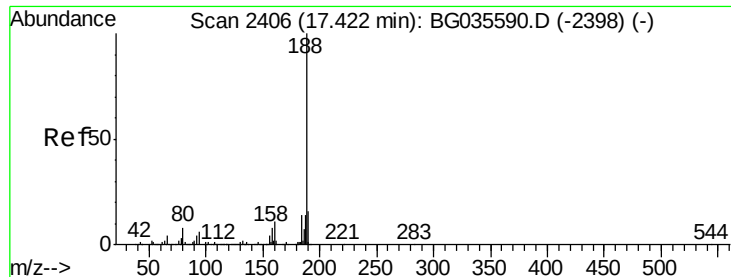
Tgt Ion:165 Resp: 12780
 Ion Ratio Lower Upper
 165 100
 63 6.3 52.7 79.1#
 89 3.4 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 5.378 ng
 RT: 14.65 min Scan# 1934
 Delta R.T. -0.36 min
 Lab File: BG035902.D
 Acq: 26 Jul 2018 10:06

Tgt Ion:165 Resp: 12780
 Ion Ratio Lower Upper
 165 100
 63 6.3 42.0 63.0#
 89 3.4 66.9 100.3#
 182 0.0 2.6 3.8#





#63

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.39 min Scan# 2401

Delta R.T. 0.00 min

Lab File: BG035902.D

Acq: 26 Jul 2018 10:06

Instrument :

BNA_G

ClientSampleId :

071918-TIPC-E-U-M

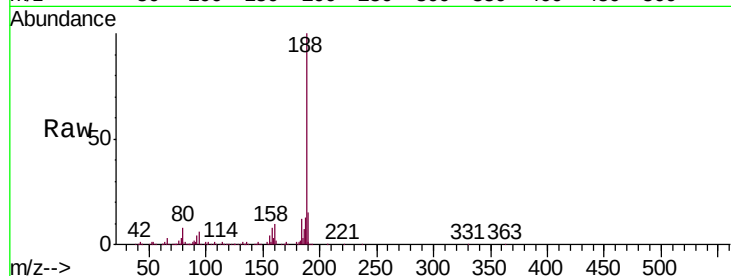
Tgt Ion:188 Resp: 269261

Ion Ratio Lower Upper

188 100

94 6.1 6.9 10.3#

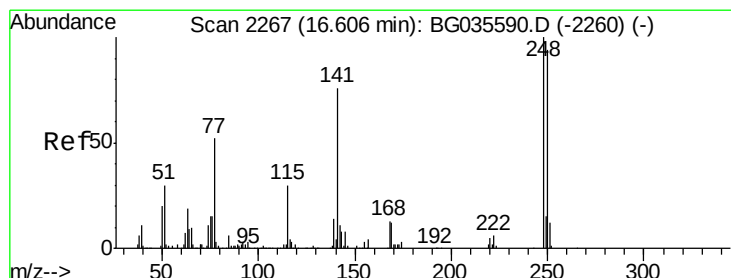
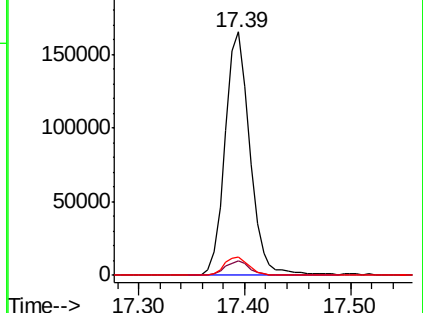
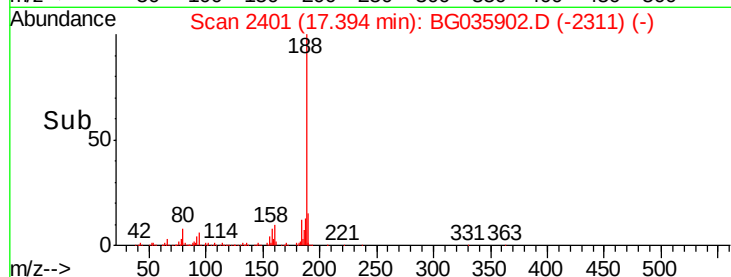
80 7.6 7.7 11.5#



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



#66

4-Bromophenyl-phenylether

Concen: 3.254 ng

RT: 16.14 min Scan# 2187

Delta R.T. -0.45 min

Lab File: BG035902.D

Acq: 26 Jul 2018 10:06

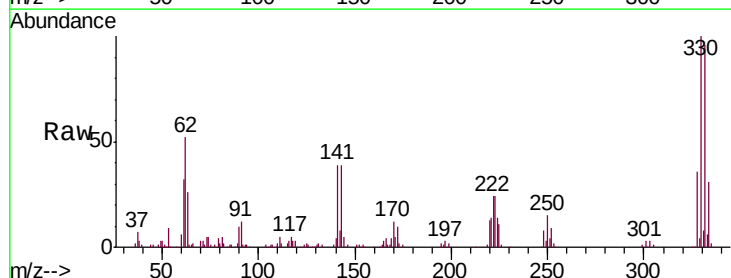
Tgt Ion:248 Resp: 10165

Ion Ratio Lower Upper

248 100

250 190.8 77.1 115.7#

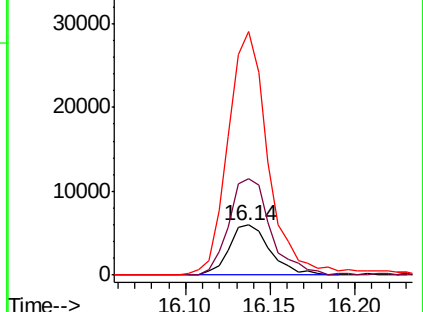
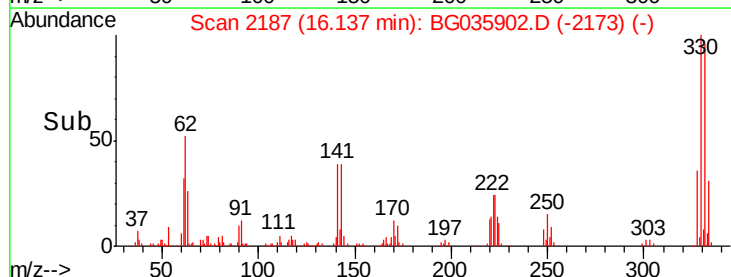
141 484.2 50.8 76.2#

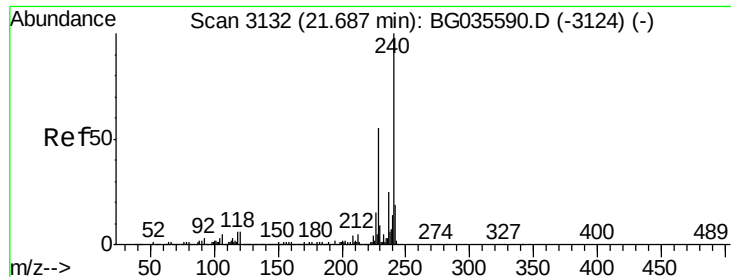


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

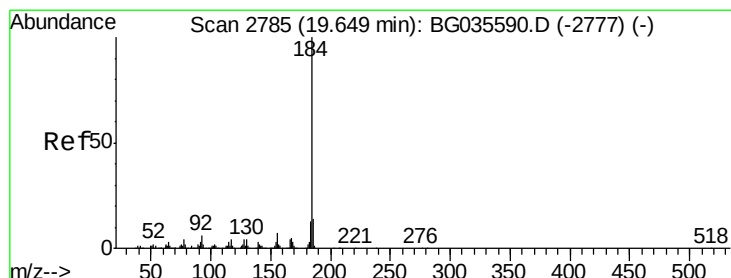
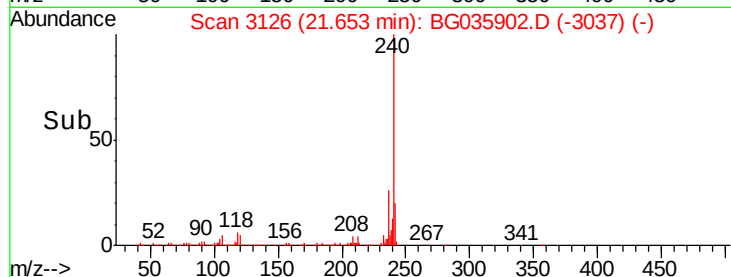
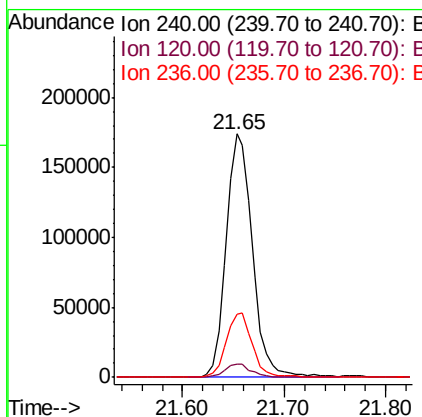
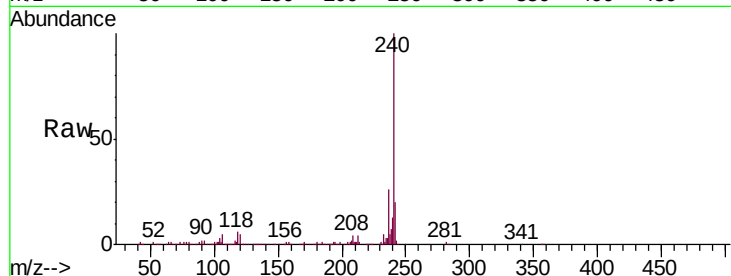




#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.65 min Scan# 3126
Delta R.T. -0.01 min
Lab File: BG035902.D
Acq: 26 Jul 2018 10:06

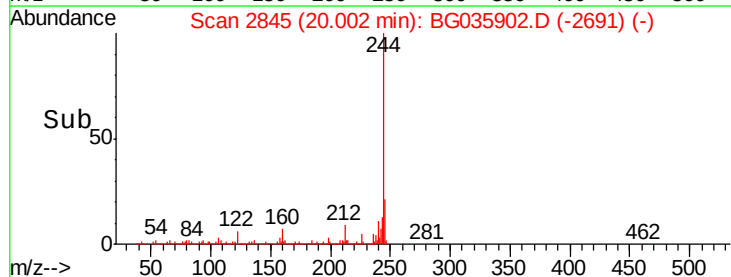
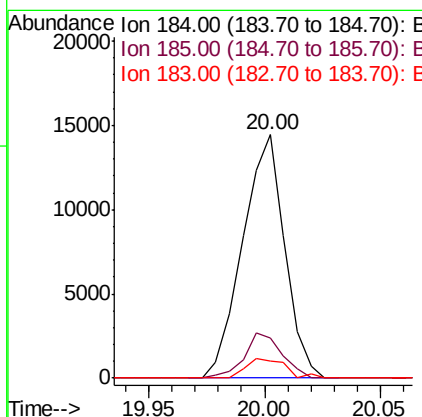
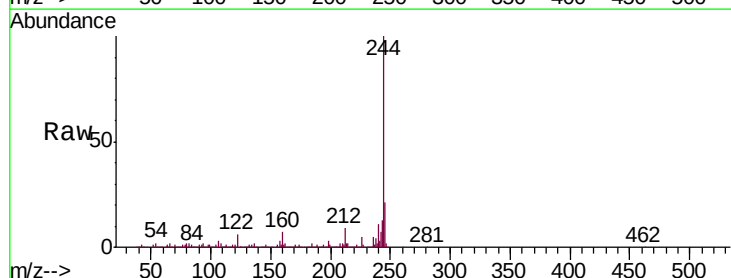
Instrument :
BNA_G
ClientSampleId :
071918-TIPC-E-U-M

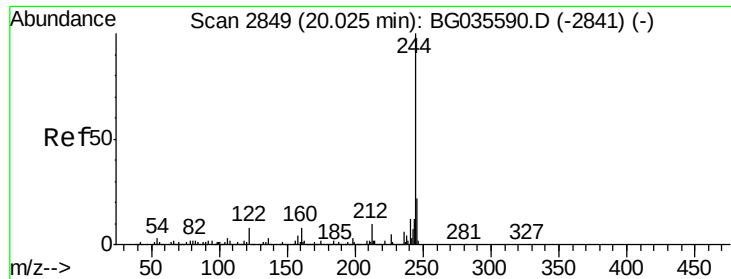
Tgt Ion	Ratio	Lower	Upper
240	100		
120	5.5	6.8	10.2#
236	25.8	20.9	31.3



#76
Benzidine
Concen: 2.231 ng
RT: 20.00 min Scan# 2845
Delta R.T. 0.38 min
Lab File: BG035902.D
Acq: 26 Jul 2018 10:06

Tgt Ion	Ratio	Lower	Upper
184	100		
185	16.7	11.1	16.7
183	7.1	10.6	16.0#





#78

Terphenyl-d14

Concen: 78.675 ng

RT: 20.00 min Scan# 2845

Delta R.T. 0.00 min

Lab File: BG035902.D

Acq: 26 Jul 2018 10:06

Instrument :

BNA_G

ClientSampleId :

071918-TIPC-E-U-M

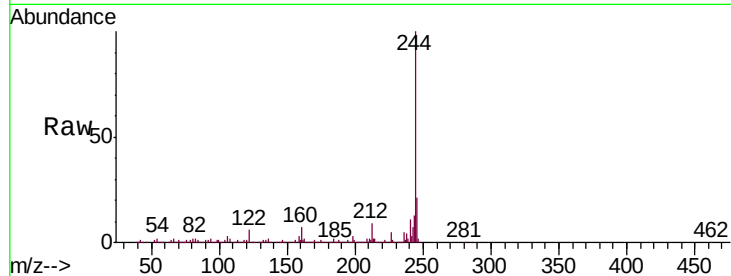
Tgt Ion:244 Resp: 1111296

Ion Ratio Lower Upper

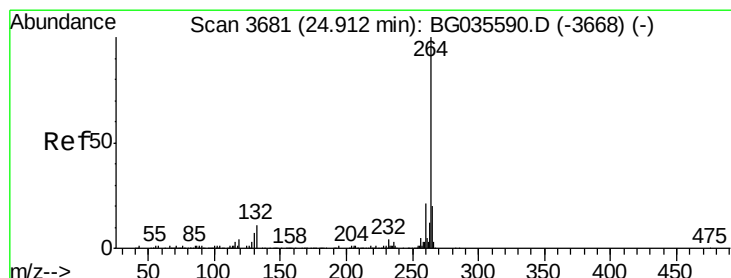
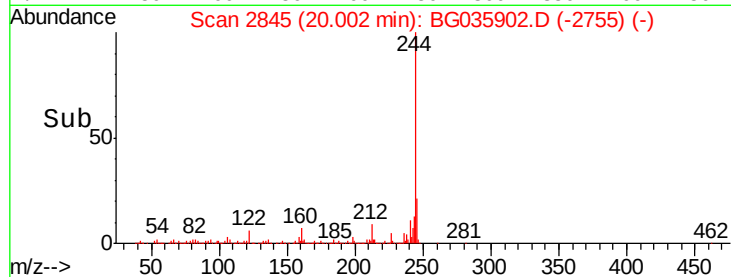
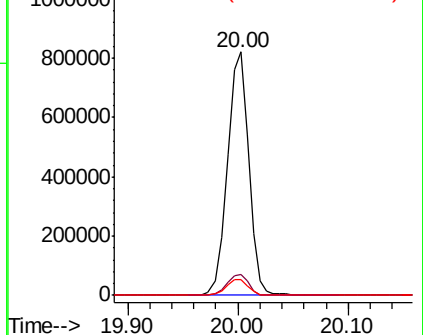
244 100

212 8.5 5.8 8.8

122 6.3 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: 24.85 min Scan# 3670

Delta R.T. -0.01 min

Lab File: BG035902.D

Acq: 26 Jul 2018 10:06

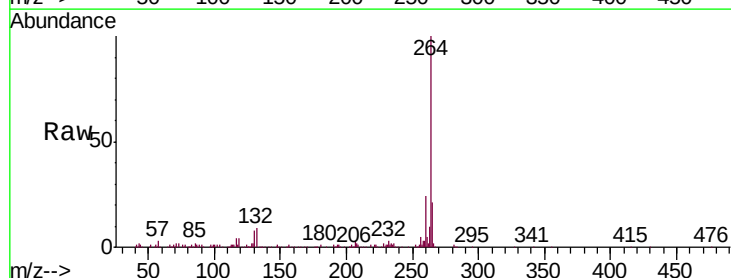
Tgt Ion:264 Resp: 295421

Ion Ratio Lower Upper

264 100

260 24.3 17.4 26.0

265 20.6 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

