

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG062018\
 Data File : BG035287.D
 Acq On : 21 Jun 2018 5:56
 Operator : SJ/JU
 Sample : J3573-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jun 21 06:56:52 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG060718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jun 08 17:16:28 2018
 Response via : Initial Calibration

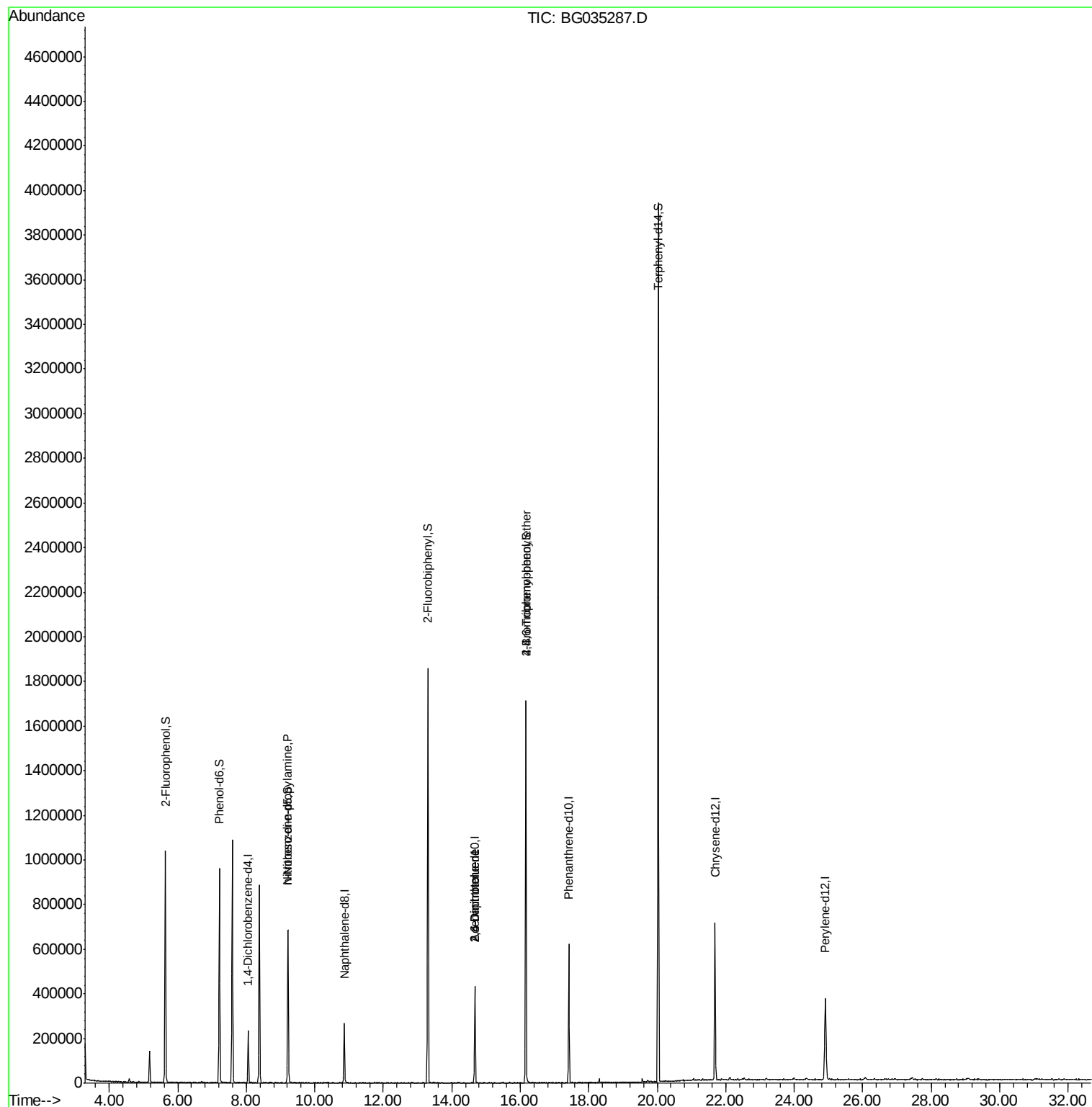
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.06	152	65081	20.00	ng	-0.02
21) Naphthalene-d8	10.86	136	220125	20.00	ng	-0.02
38) Acenaphthene-d10	14.68	164	147517	20.00	ng	-0.02
63) Phenanthrene-d10	17.42	188	404140	20.00	ng	-0.02
75) Chrysene-d12	21.69	240	450728	20.00	ng	-0.03
86) Perylene-d12	24.91	264	429889	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	460931	119.52	ng	0.00
7) Phenol-d6	7.22	99	582375	102.32	ng	0.00
23) Nitrobenzene-d5	9.22	82	460964	99.54	ng	-0.02
41) 2,4,6-Tribromophenol	16.16	330	314281	166.43	ng	-0.02
44) 2-Fluorobiphenyl	13.30	172	1019695	89.86	ng	-0.02
78) Terphenyl-d14	20.03	244	1889757	87.82	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	65034	13.449	ng	# 67
50) 2,6-Dinitrotoluene	14.68	165	20424	8.703	ng	# 21
56) 2,4-Dinitrotoluene	14.68	165	20424	6.551	ng	# 19
66) 4-Bromophenyl-phenylether	16.16	248	24997	5.136	ng	# 1

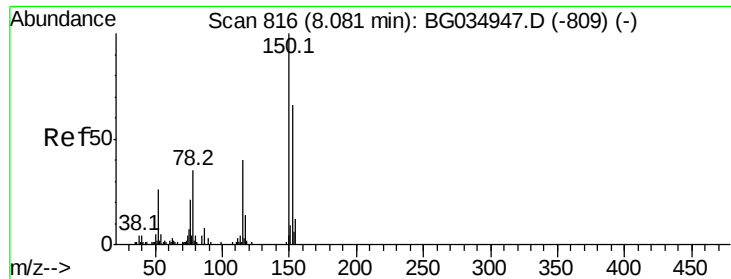
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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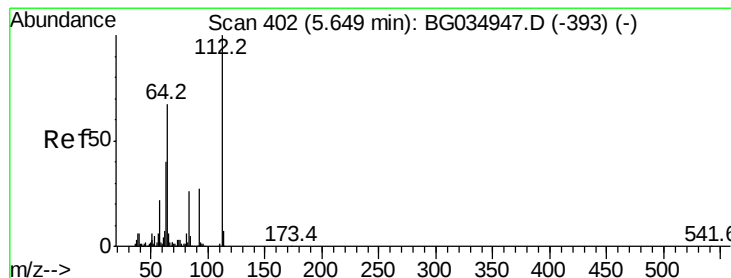
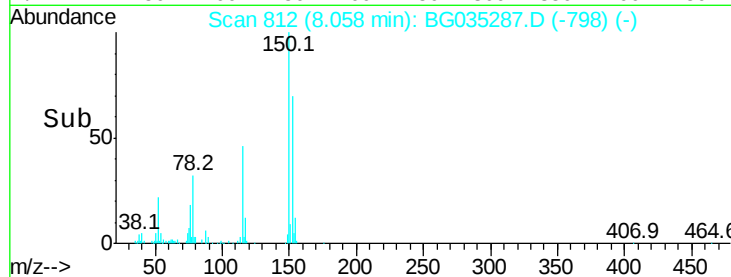
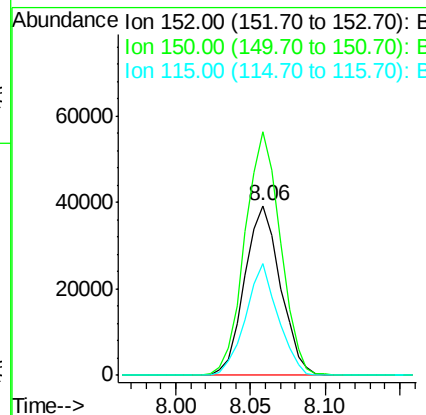
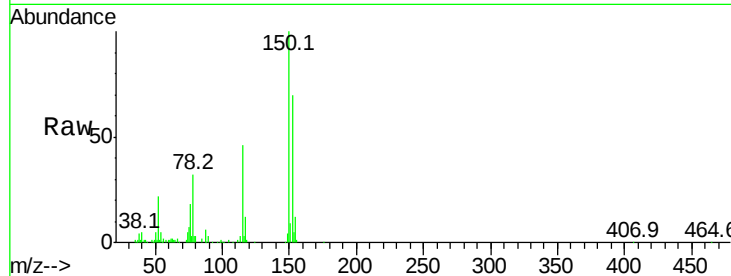


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.06 min Scan# 812
Delta R.T. -0.02 min
Lab File: BG035287.D
Acq: 21 Jun 2018 5:56

Instrument :
BNA_G
ClientSampleId :

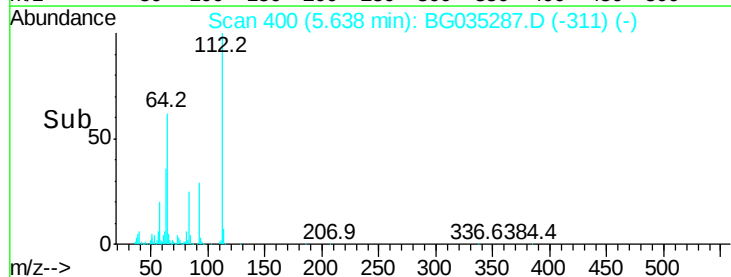
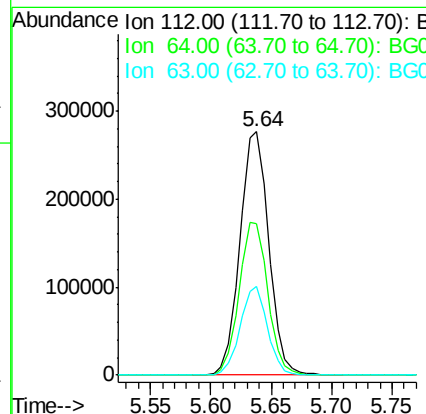
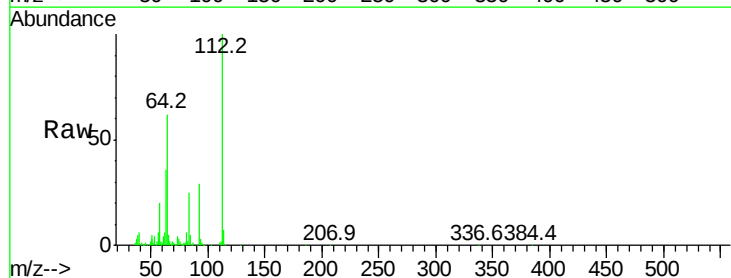
Tot Ion	Ratio	Lower	Upper
152	100		
150	143.2	126.6	189.8
115	66.0	53.0	79.4

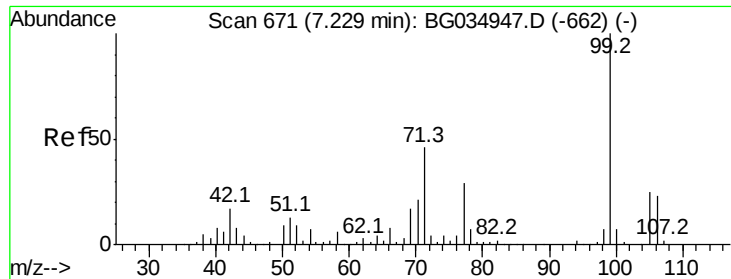


#5

2-Fluorophenol
Concen: 119.523 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035287.D
Acq: 21 Jun 2018 5:56

Tgt Ion	Ratio	Lower	Upper
112	100		
64	62.4	56.3	84.5
63	36.3	30.1	45.1





#7

Phenol-d6

Concen: 102.318 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035287.D

Acq: 21 Jun 2018 5:56

Instrument :

BNA_G

ClientSampleId :

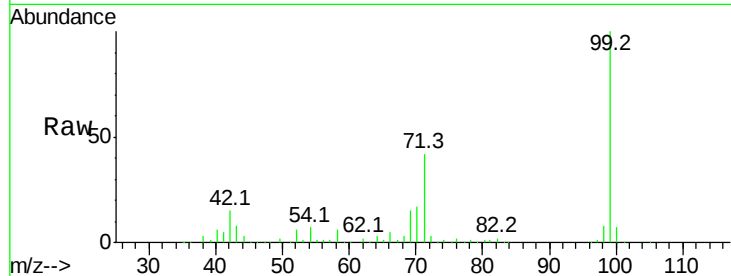
Tot Ion: 99 Resp: 582375

Ion Ratio Lower Upper

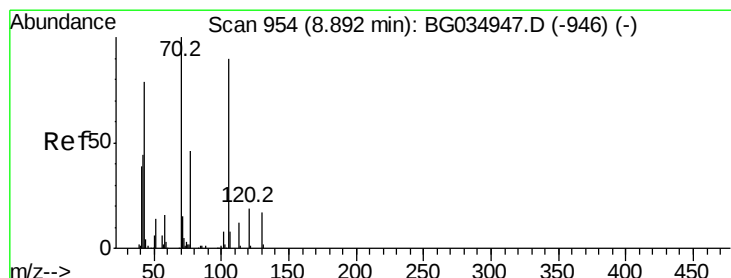
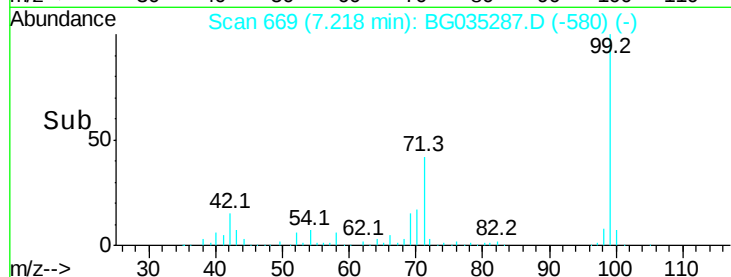
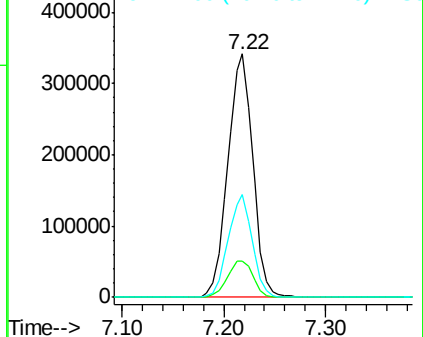
99 100

42 14.9 14.1 21.1

71 42.3 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.449 ng

RT: 9.22 min Scan# 1009

Delta R.T. 0.33 min

Lab File: BG035287.D

Acq: 21 Jun 2018 5:56

Tgt Ion: 70 Resp: 65034

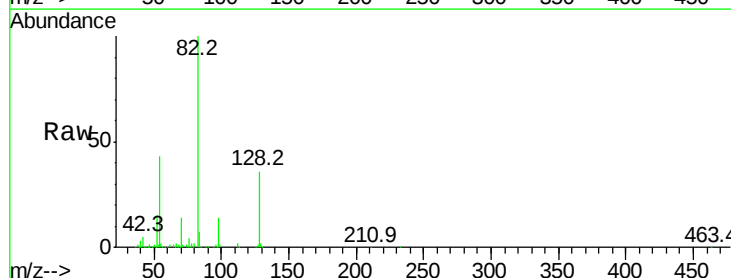
Ion Ratio Lower Upper

70 100

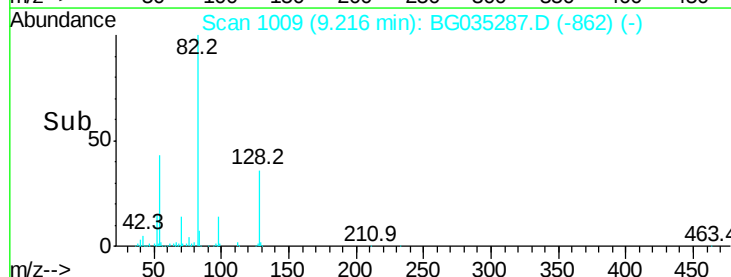
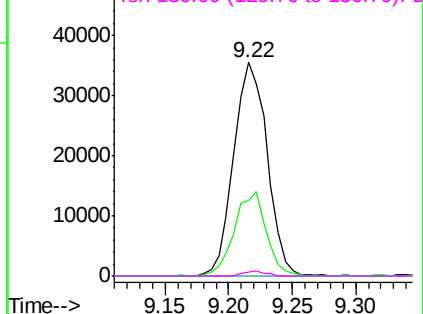
42 35.6 49.1 73.7#

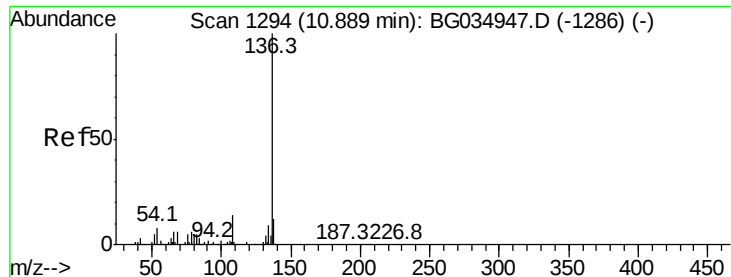
101 0.0 8.5 12.7#

130 1.5 13.4 20.0#



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

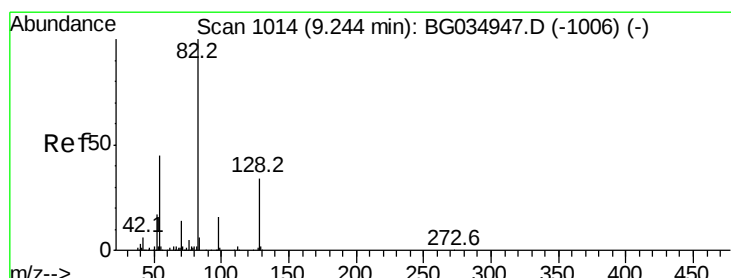
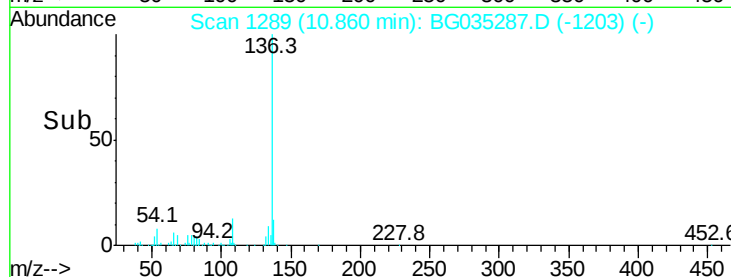
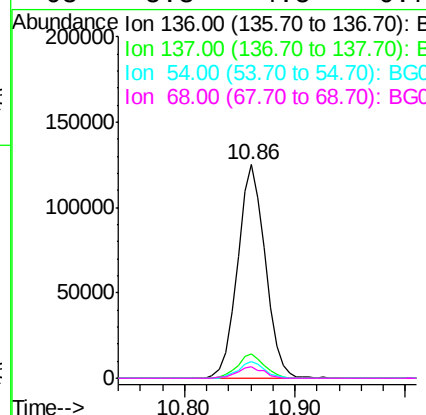
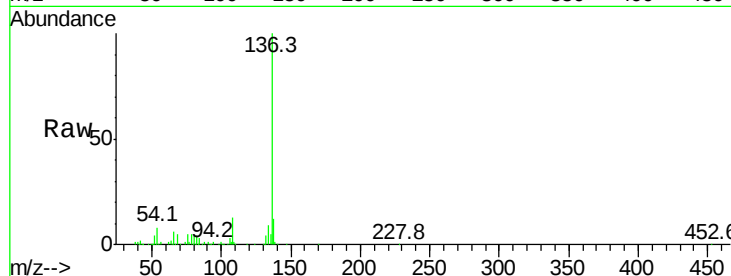




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1289
Delta R.T. -0.02 min
Lab File: BG035287.D
Acq: 21 Jun 2018 5:56

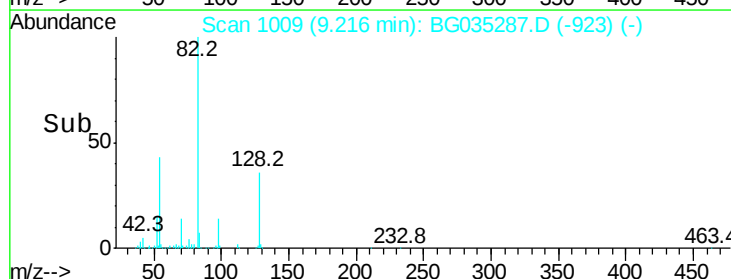
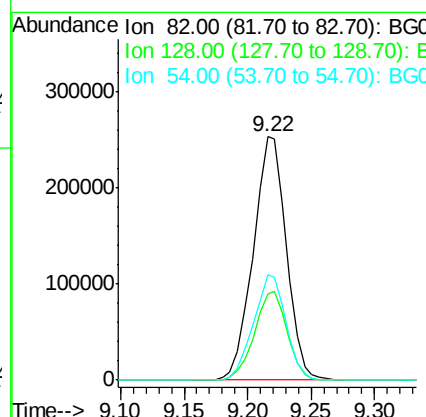
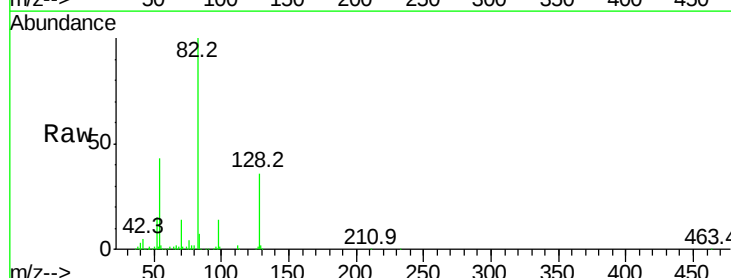
Instrument :
BNA_G
ClientSampleId :

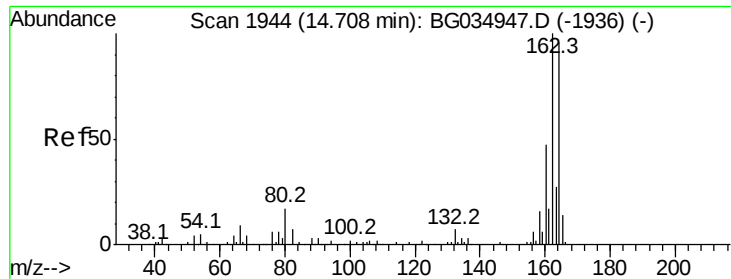
Tot Ion:	136	Resp:	220125
Ion Ratio	Lower	Upper	
136	100		
137	11.7	9.2	13.8
54	7.5	10.3	15.5
68	5.3	4.5	6.7



#23
Nitrobenzene-d5
Concen: 99.542 ng
RT: 9.22 min Scan# 1009
Delta R.T. -0.02 min
Lab File: BG035287.D
Acq: 21 Jun 2018 5:56

Tgt Ion:	82	Resp:	460964
Ion Ratio	Lower	Upper	
82	100		
128	35.6	29.7	44.5
54	43.0	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.68 min Scan# 1939

Delta R.T. -0.02 min

Lab File: BG035287.D

Acq: 21 Jun 2018 5:56

Instrument :

BNA_G

ClientSampleId :

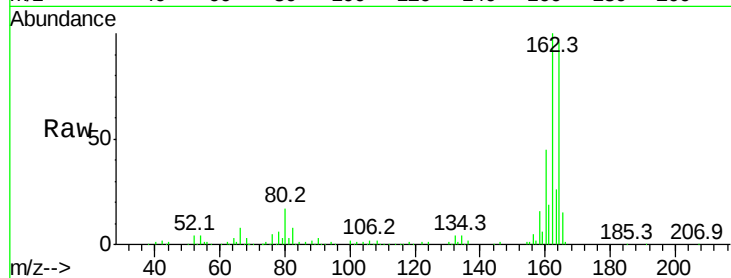
Tot Ion:164 Resp: 147517

Ion Ratio Lower Upper

164 100

162 104.0 78.8 118.2

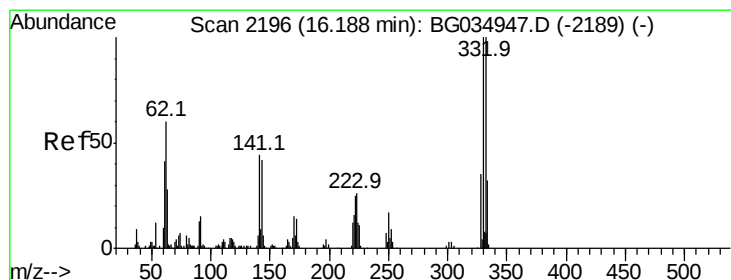
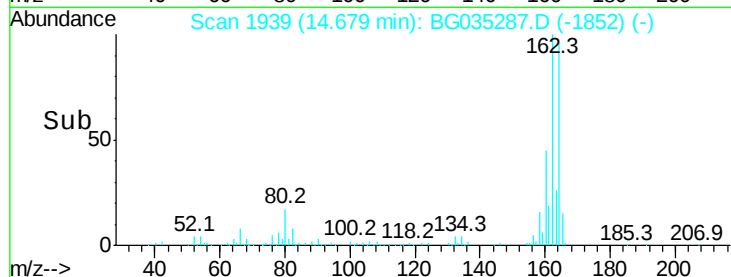
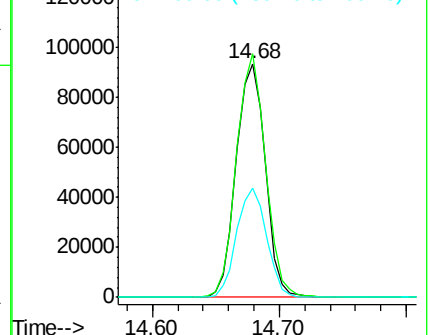
160 46.8 35.4 53.0



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: 166.427 ng

RT: 16.16 min Scan# 2192

Delta R.T. -0.02 min

Lab File: BG035287.D

Acq: 21 Jun 2018 5:56

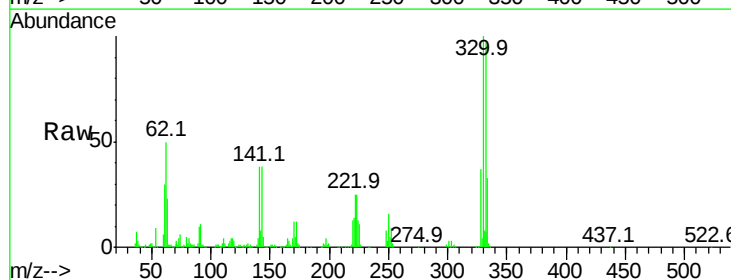
Tgt Ion:330 Resp: 314281

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

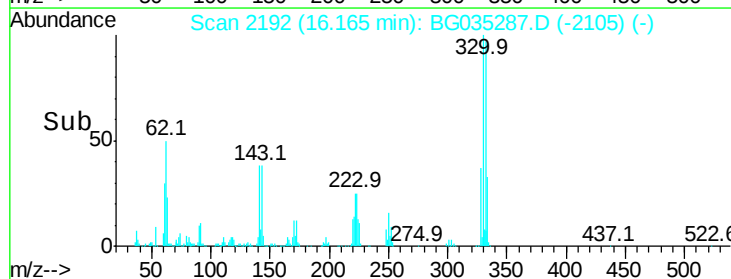
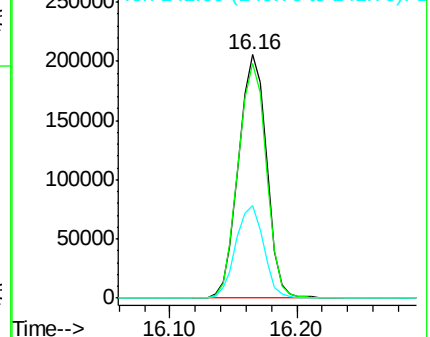
141 37.7 25.2 37.8

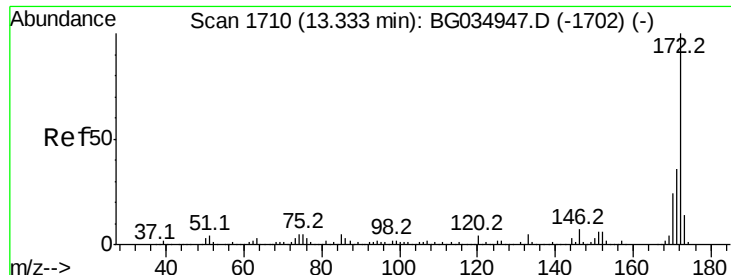


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



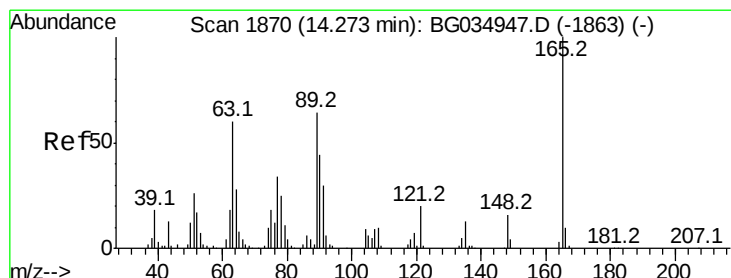
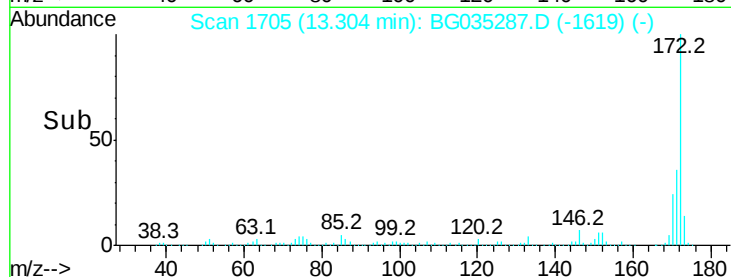
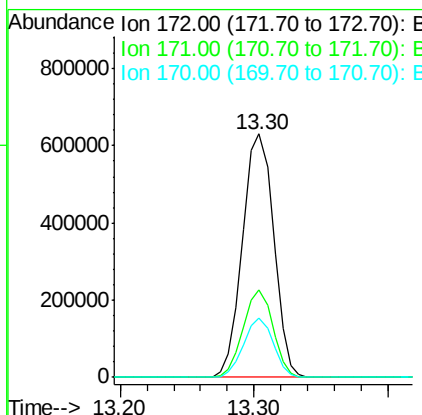
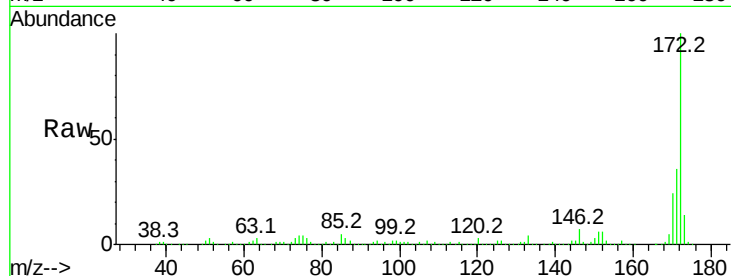


#44
 2-Fluorobiphenyl
 Concen: 89.861 ng
 RT: 13.30 min Scan# 1705
 Delta R.T. -0.02 min
 Lab File: BG035287.D
 Acq: 21 Jun 2018 5:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:172 Resp: 1019695

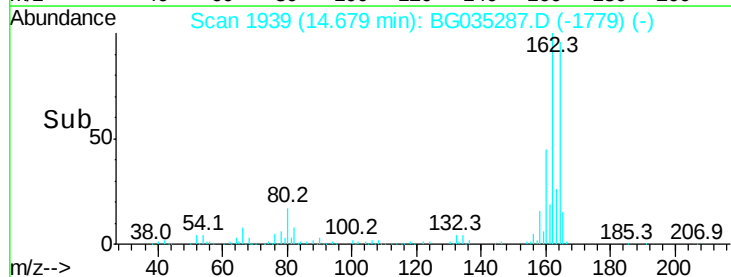
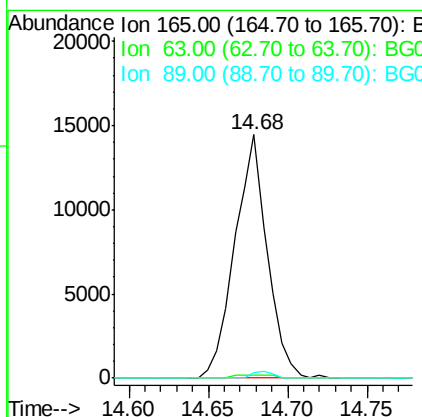
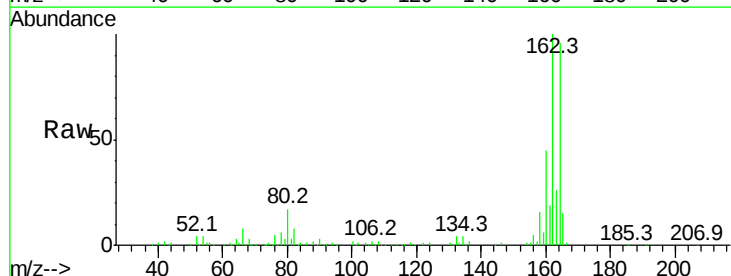
Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.0	45.0
170	24.1	19.5	29.3

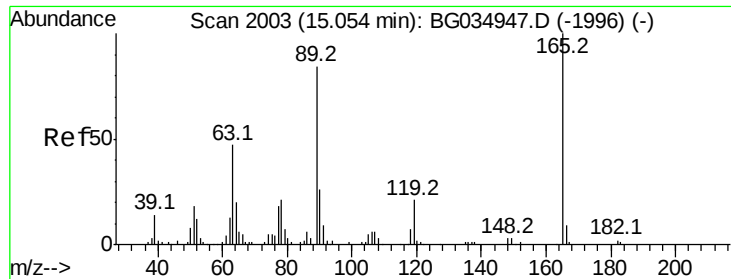


#50
 2,6-Dinitrotoluene
 Concen: 8.703 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. 0.41 min
 Lab File: BG035287.D
 Acq: 21 Jun 2018 5:56

Tgt Ion:165 Resp: 20424

Ion	Ratio	Lower	Upper
165	100		
63	1.5	52.7	79.1#
89	2.4	49.2	73.8#

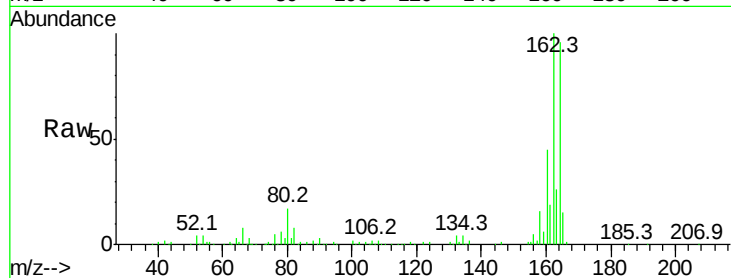




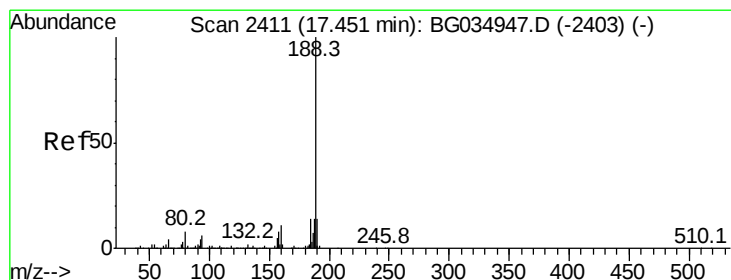
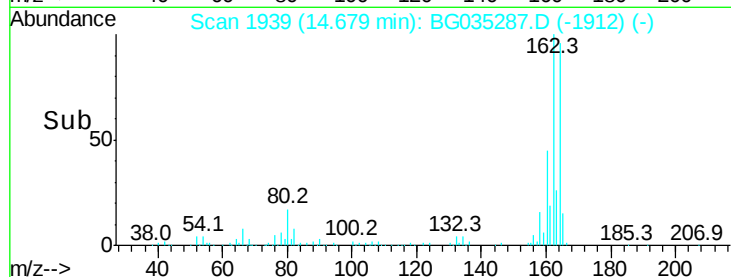
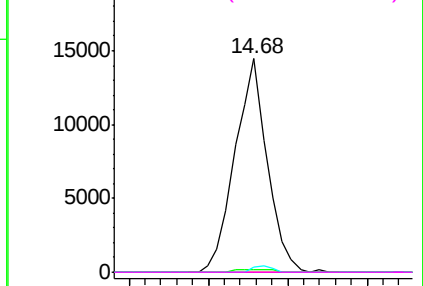
#56
 2,4-Dinitrotoluene
 Concen: 6.551 ng
 RT: 14.68 min Scan# 1939
 Delta R.T. -0.37 min
 Lab File: BG035287.D
 Acq: 21 Jun 2018 5:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 20424
 Ion Ratio Lower Upper
 165 100
 63 1.5 42.0 63.0#
 89 2.4 66.9 100.3#
 182 0.0 2.6 3.8#

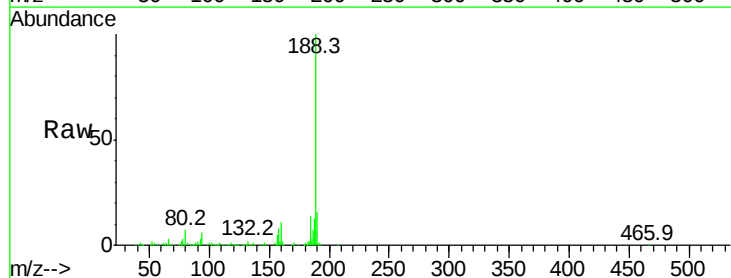


Abundance Ion 165.00 (164.70 to 165.70): E

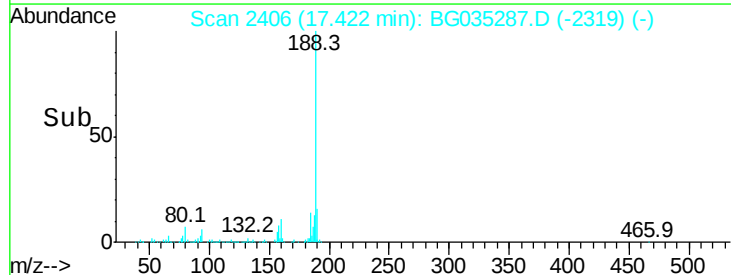
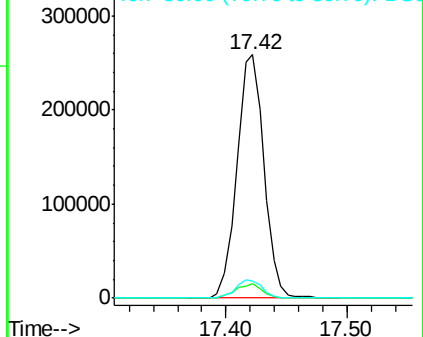


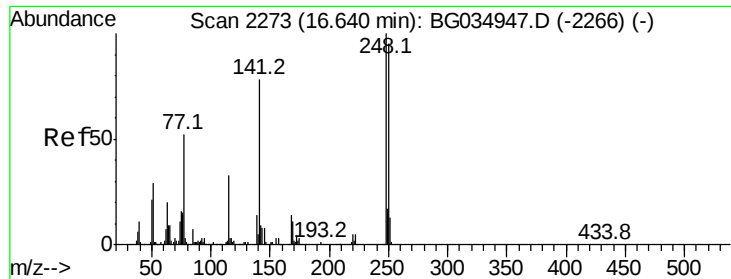
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2406
 Delta R.T. -0.02 min
 Lab File: BG035287.D
 Acq: 21 Jun 2018 5:56

Tgt Ion:188 Resp: 404140
 Ion Ratio Lower Upper
 188 100
 94 5.8 6.9 10.3#
 80 6.8 7.7 11.5#



Abundance Ion 188.00 (187.70 to 188.70): E

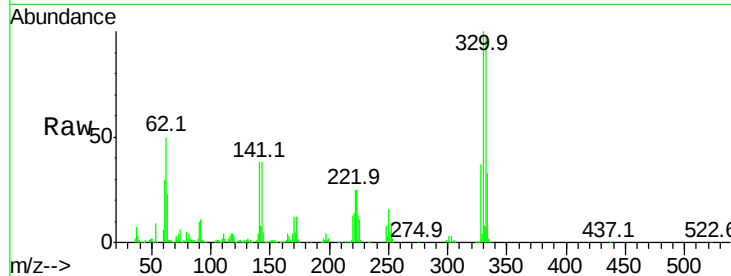




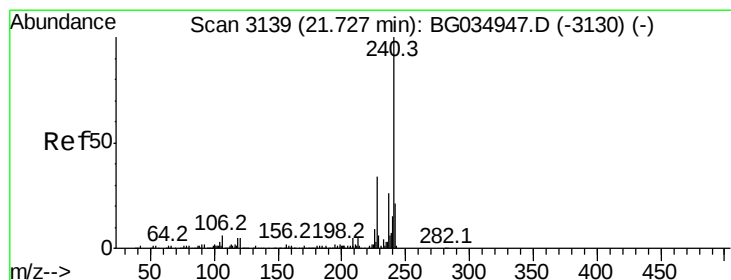
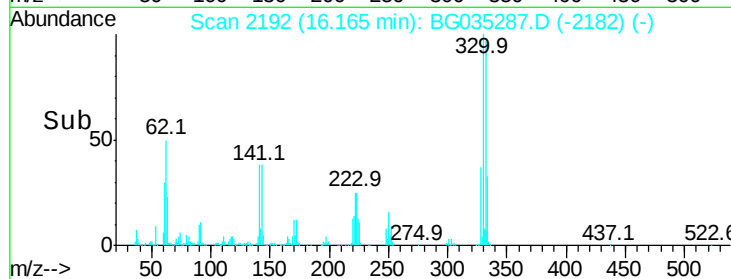
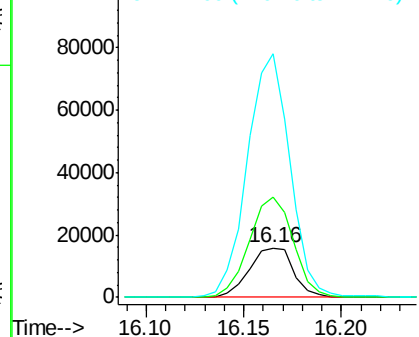
#66
4-Bromophenyl-phenylether
Concen: 5.136 ng
RT: 16.16 min Scan# 2192
Delta R.T. -0.47 min
Lab File: BG035287.D
Acq: 21 Jun 2018 5:56

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 24997
Ion Ratio Lower Upper
248 100
250 201.9 77.1 115.7#
141 490.3 50.8 76.2#

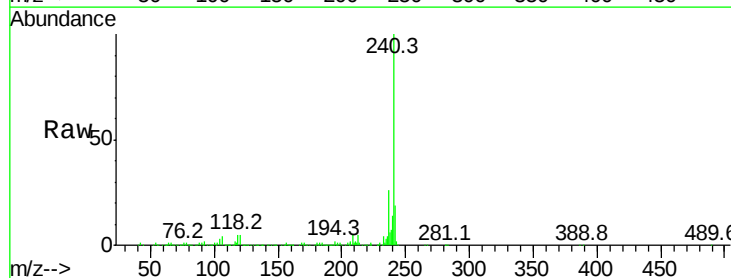


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

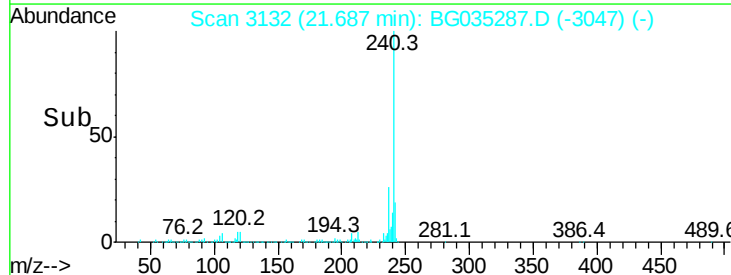
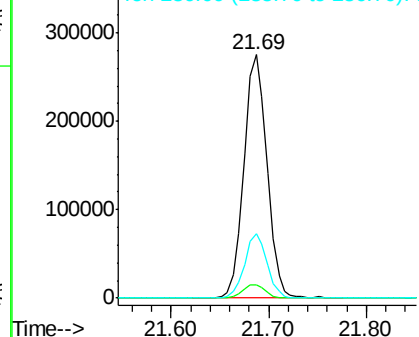


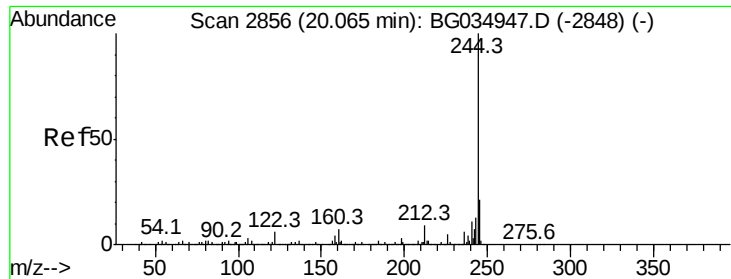
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.69 min Scan# 3132
Delta R.T. -0.03 min
Lab File: BG035287.D
Acq: 21 Jun 2018 5:56

Tgt Ion:240 Resp: 450728
Ion Ratio Lower Upper
240 100
120 5.2 6.8 10.2#
236 26.4 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





#78

Terphenyl-d14

Concen: 87.823 ng

RT: 20.03 min Scan# 2850

Delta R.T. -0.02 min

Lab File: BG035287.D

Acq: 21 Jun 2018 5:56

Instrument :

BNA_G

ClientSampleId :

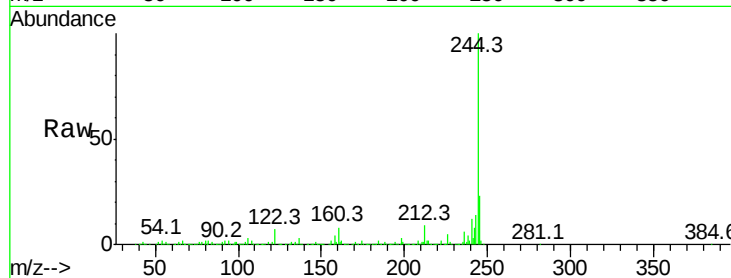
Tot Ion:244 Resp: 1889757

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

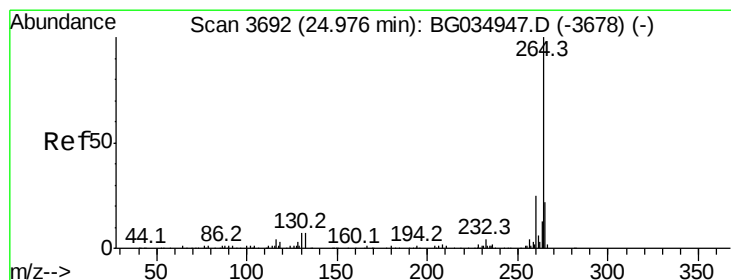
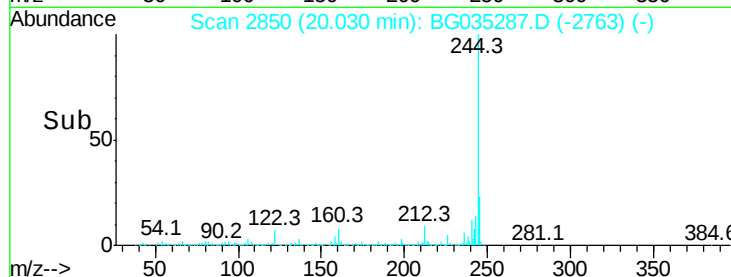
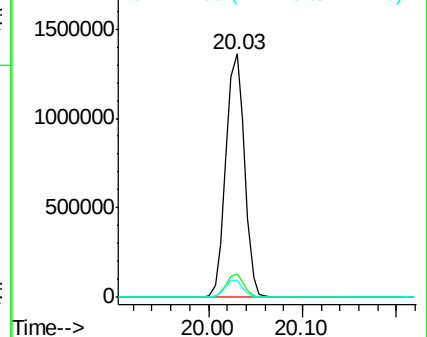
122 7.0 7.0 10.4



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: 24.91 min Scan# 3680

Delta R.T. -0.05 min

Lab File: BG035287.D

Acq: 21 Jun 2018 5:56

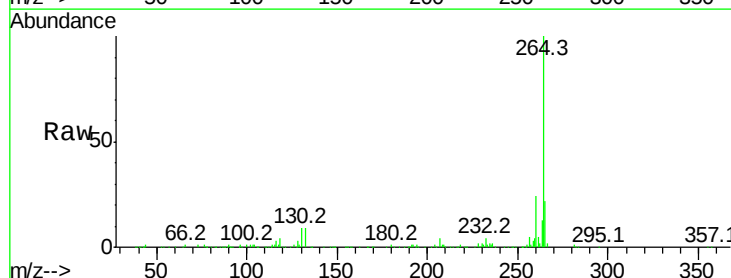
Tgt Ion:264 Resp: 429889

Ion Ratio Lower Upper

264 100

260 24.0 17.4 26.0

265 22.0 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

