

Data Path : Z:\SVOASRV\HPCHEM1\BNA_G\DATA\BG061118\
 Data File : BG035053.D
 Acq On : 12 Jun 2018 5:12
 Operator : SJ/JU
 Sample : J3401-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jun 12 06:48:20 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

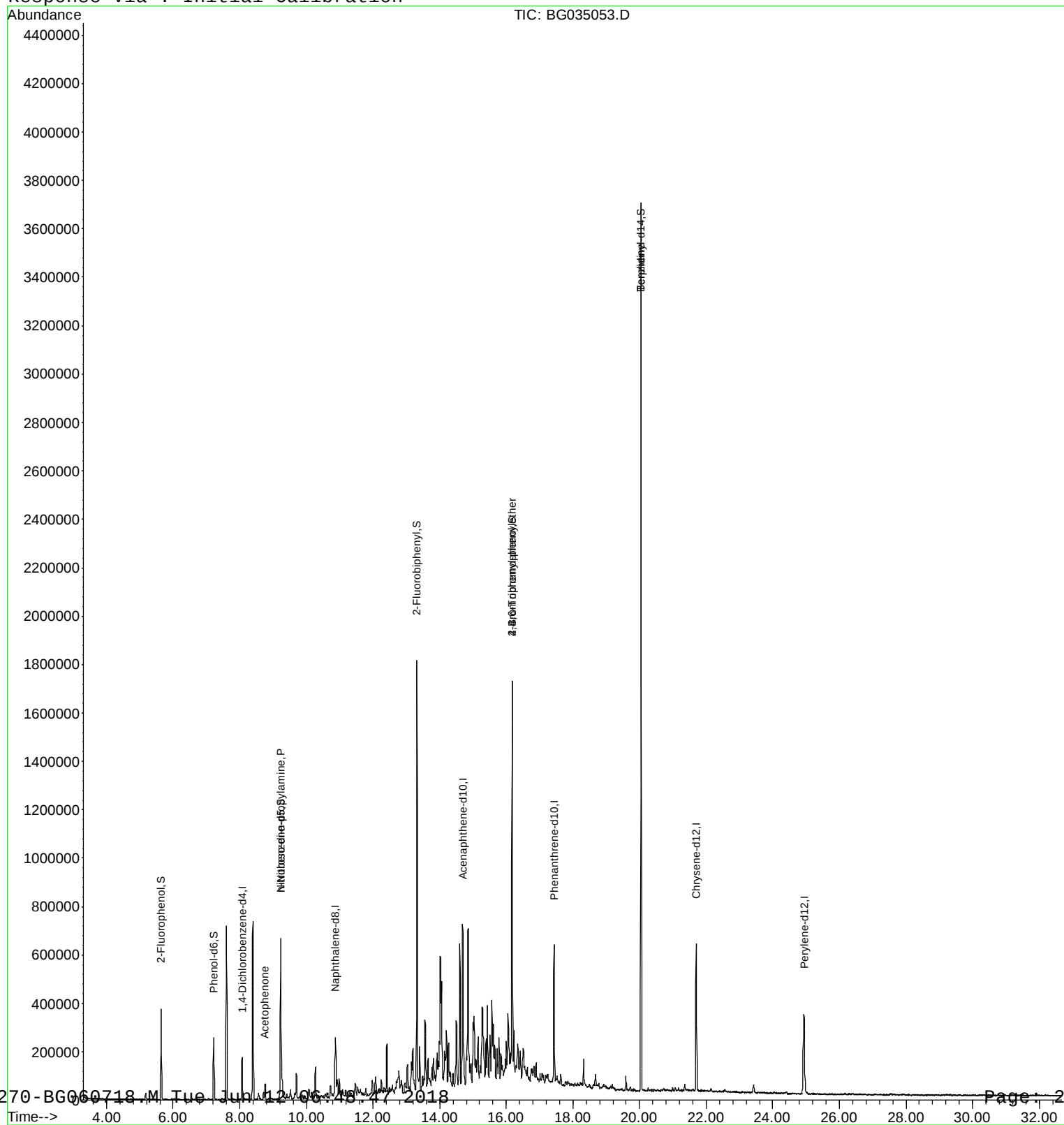
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.07	152	46611	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	181478	20.00	ng	-0.01
38) Acenaphthene-d10	14.69	164	138116	20.00	ng	0.00
63) Phenanthrene-d10	17.43	188	346677	20.00	ng	0.00
75) Chrysene-d12	21.70	240	388413	20.00	ng	-0.02
86) Perylene-d12	24.94	264	379102	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	162048	58.67	ng	0.00
7) Phenol-d6	7.22	99	150140	36.83	ng	0.00
23) Nitrobenzene-d5	9.23	82	436894	114.44	ng	0.00
41) 2,4,6-Tribromophenol	16.18	330	256956	145.33	ng	0.00
44) 2-Fluorobiphenyl	13.32	172	964585	90.79	ng	-0.01
78) Terphenyl-d14	20.04	244	1692066	91.25	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.23	70	61417	17.734	ng	# 69
22) Acetophenone	8.76	105	21594	3.841	ng	# 70
66) 4-Bromophenyl-phenylether	16.18	248	20425	4.892	ng	# 1
76) Benzidine	20.04	184	30616	2.119	ng	# 87

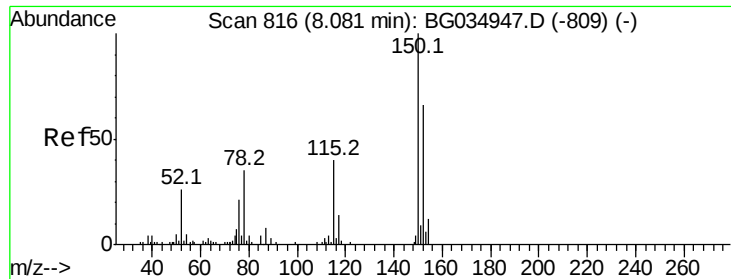
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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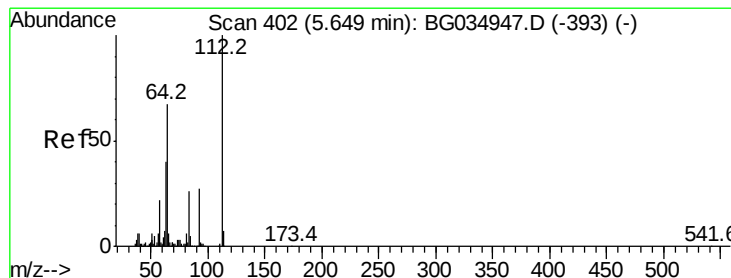
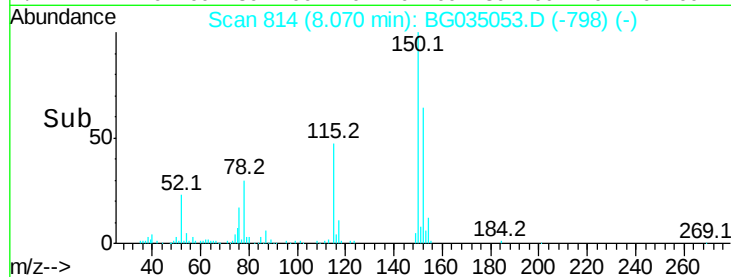
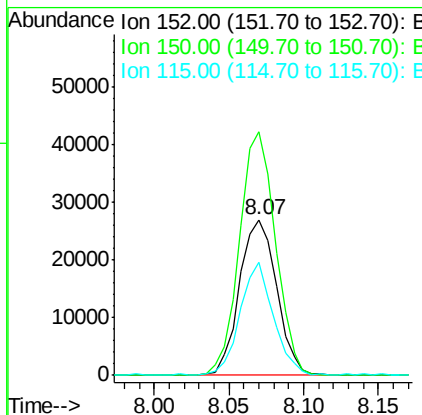
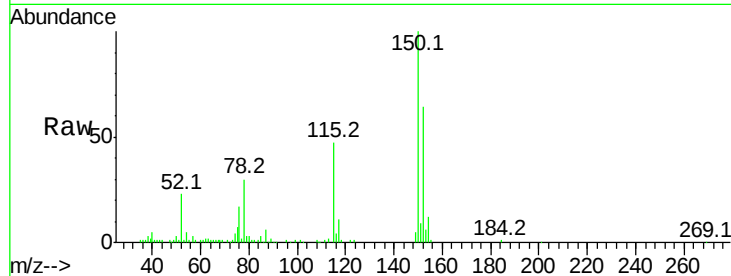


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.07 min Scan# 814
Delta R.T. -0.01 min
Lab File: BG035053.D
Acq: 12 Jun 2018 5:12

Instrument :
BNA_M
ClientSampleId :

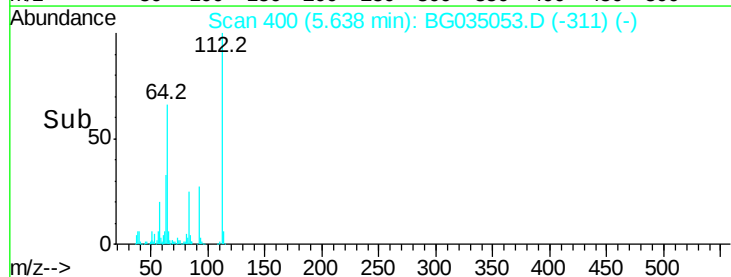
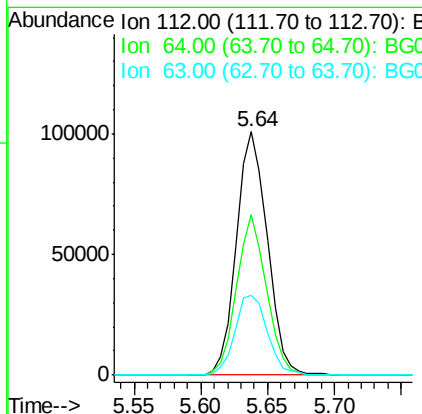
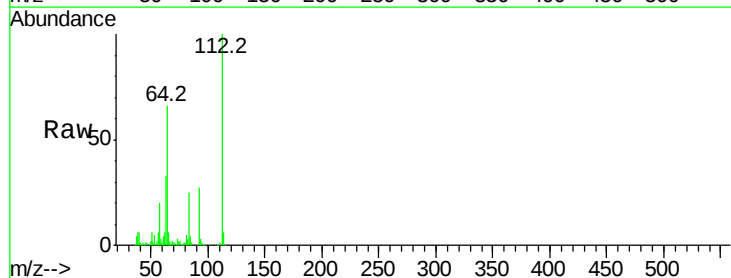
Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	126.6	189.8
115	73.1	53.0	79.4

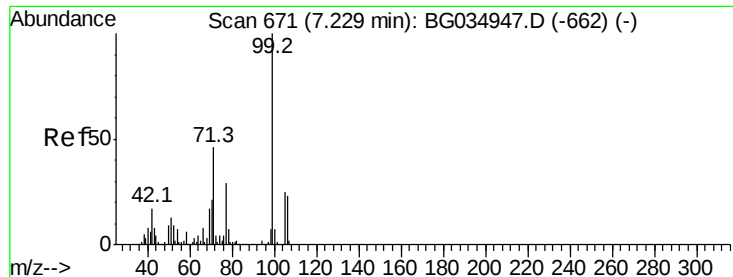


#5

2-Fluorophenol
Concen: 58.671 ng
RT: 5.64 min Scan# 400
Delta R.T. -0.01 min
Lab File: BG035053.D
Acq: 12 Jun 2018 5:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.6	56.3	84.5
63	32.6	30.1	45.1





#7

Phenol-d6

Concen: 36.831 ng

RT: 7.22 min Scan# 669

Delta R.T. -0.01 min

Lab File: BG035053.D

Acq: 12 Jun 2018 5:12

Instrument :

BNA_M

ClientSampled :

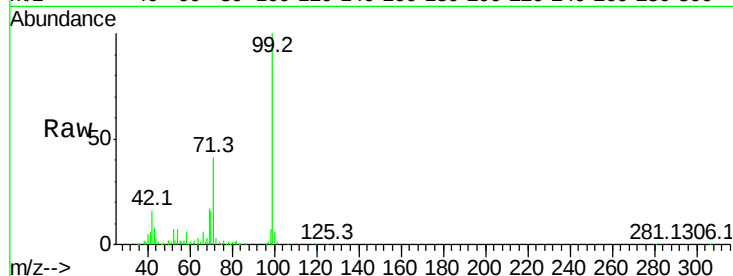
Tot Ion: 99 Resp: 150140

Ion Ratio Lower Upper

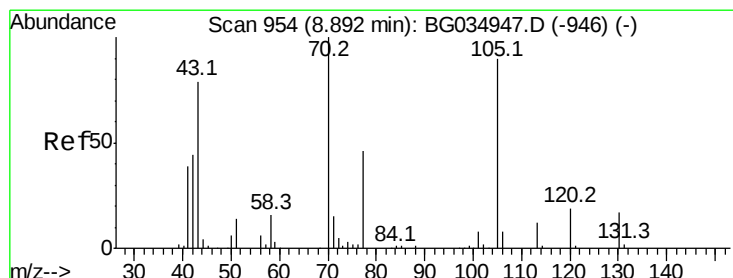
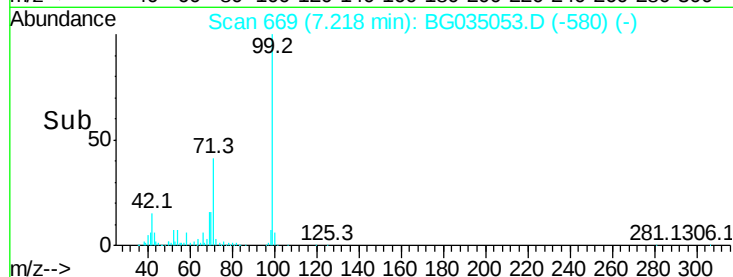
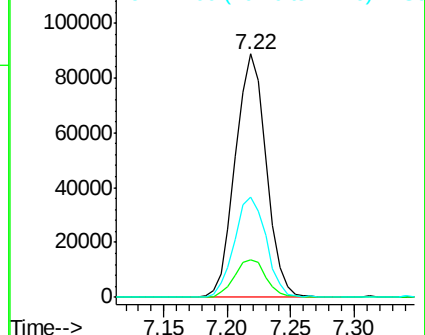
99 100

42 15.7 14.1 21.1

71 41.1 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: 17.734 ng

RT: 9.23 min Scan# 1011

Delta R.T. 0.35 min

Lab File: BG035053.D

Acq: 12 Jun 2018 5:12

Tgt Ion: 70 Resp: 61417

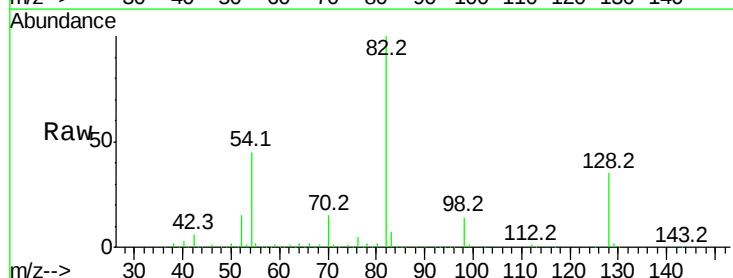
Ion Ratio Lower Upper

70 100

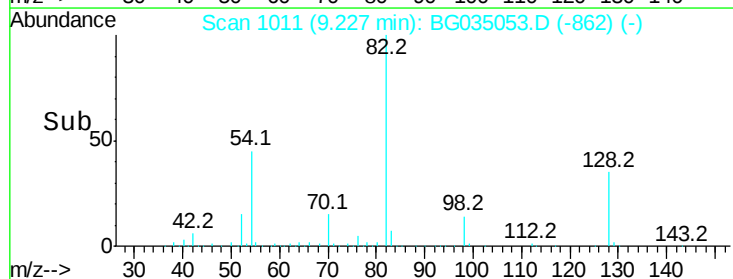
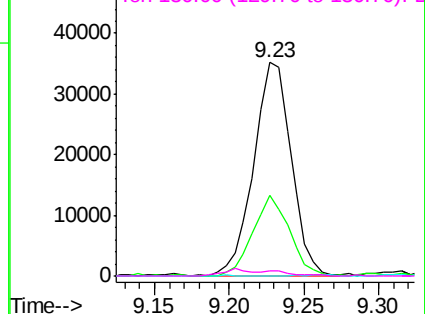
42 37.7 49.1 73.7#

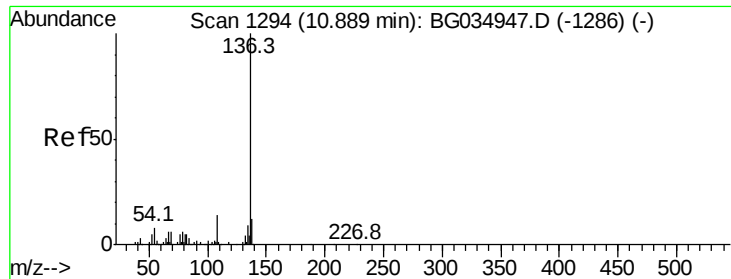
101 0.0 8.5 12.7#

130 2.5 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: 10.87 min Scan# 1291

Delta R.T. -0.01 min

Lab File: BG035053.D

Acq: 12 Jun 2018 5:12

Instrument :

BNA_M

ClientSampleId :

Tot Ion:136 Resp: 181478

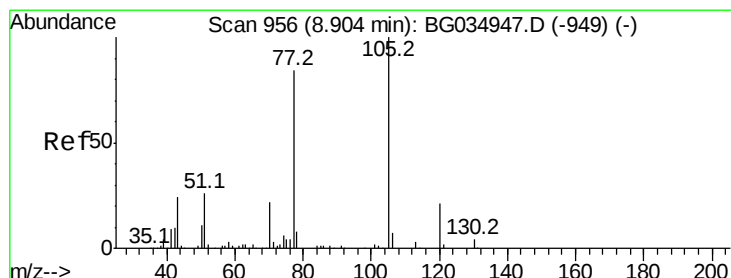
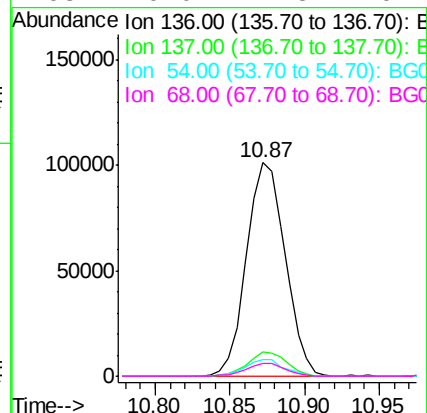
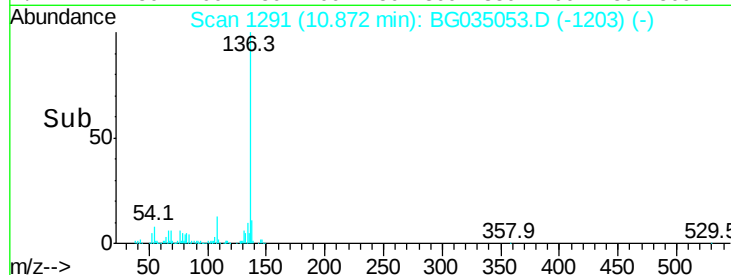
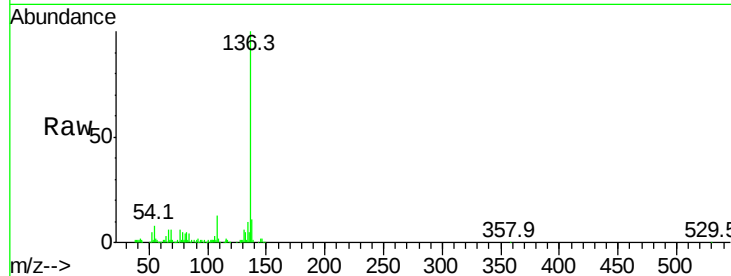
Ion Ratio Lower Upper

136 100

137 11.5 9.2 13.8

54 7.8 10.3 15.5#

68 6.0 4.5 6.7



#22

Acetophenone

Concen: 3.841 ng

RT: 8.76 min Scan# 932

Delta R.T. -0.14 min

Lab File: BG035053.D

Acq: 12 Jun 2018 5:12

Tgt Ion:105 Resp: 21594

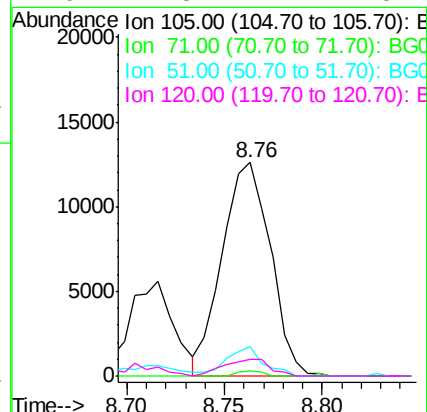
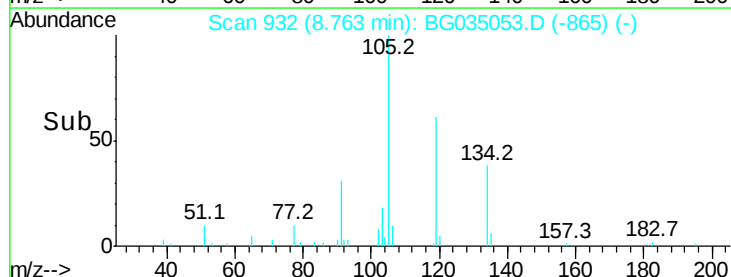
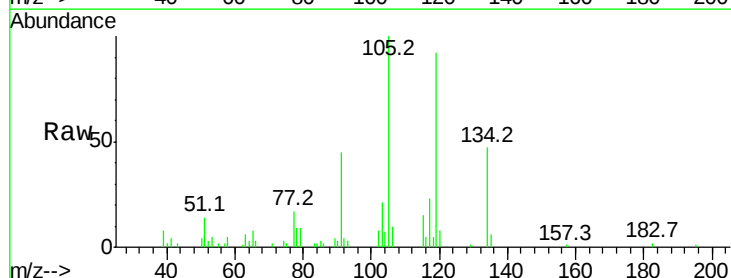
Ion Ratio Lower Upper

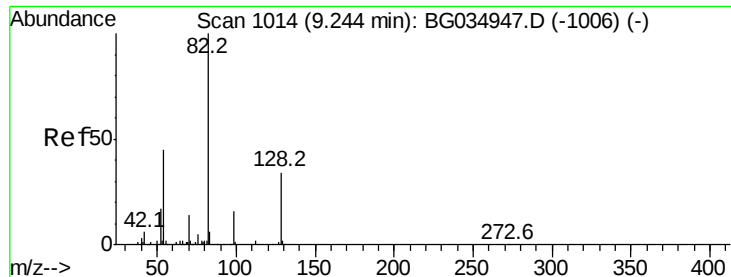
105 100

71 2.5 3.0 4.4#

51 14.0 26.1 39.1#

120 7.8 17.4 26.2#

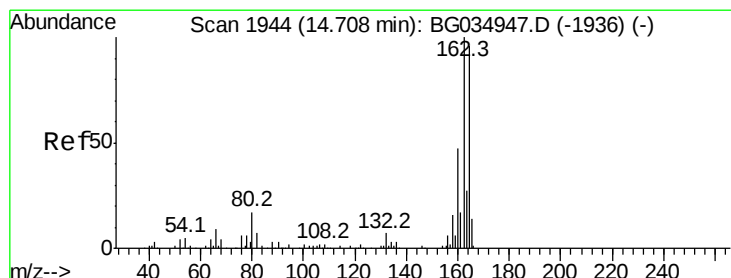
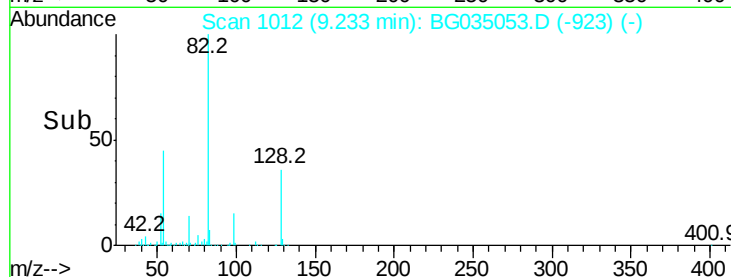
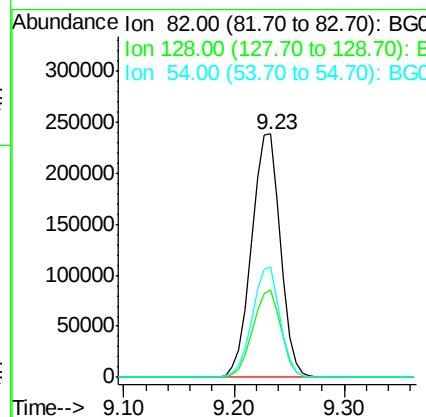
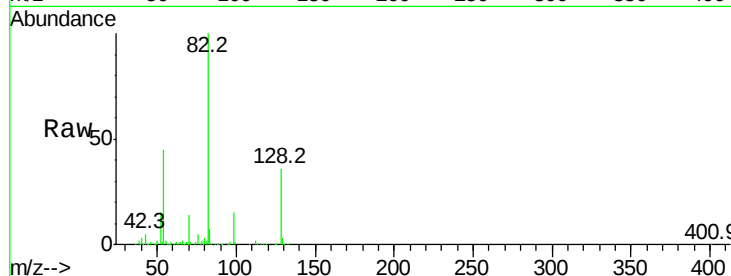




#23
Nitrobenzene-d5
Concen: 114.435 ng
RT: 9.23 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BG035053.D
Acq: 12 Jun 2018 5:12

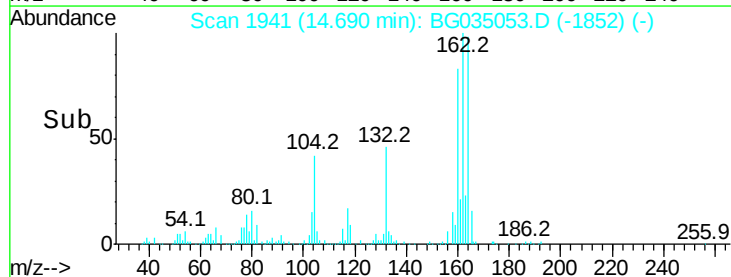
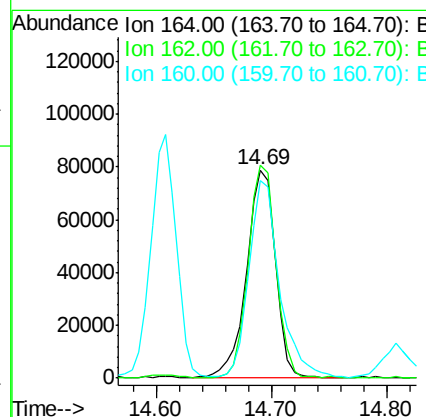
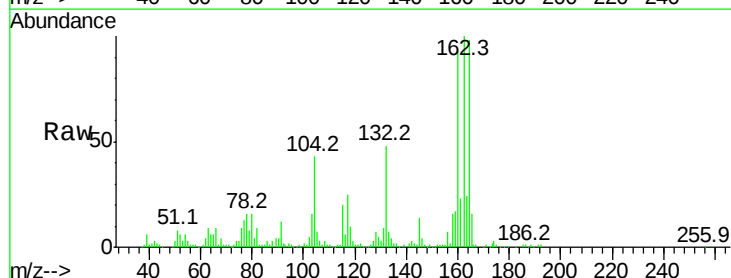
Instrument :
BNA_M
ClientSampleId :

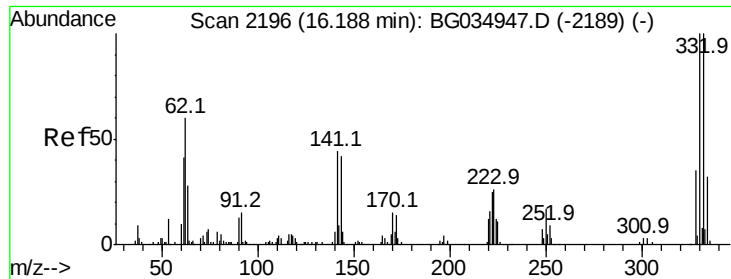
Tot Ion	82	Resp	436894
Ion Ratio	100	Lower	Upper
128	35.7	29.7	44.5
54	45.2	43.1	64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.69 min Scan# 1941
Delta R.T. -0.01 min
Lab File: BG035053.D
Acq: 12 Jun 2018 5:12

Tgt Ion	164	Resp	138116
Ion Ratio	100	Lower	Upper
162	102.4	78.8	118.2
160	94.9	35.4	53.0#

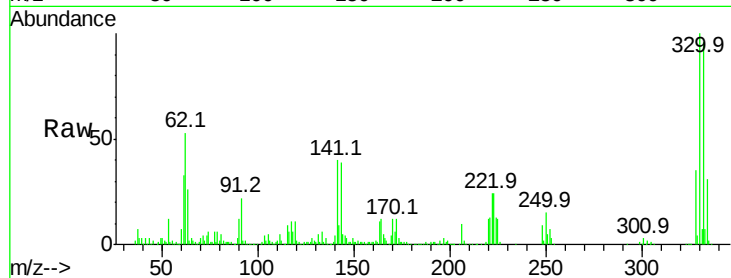




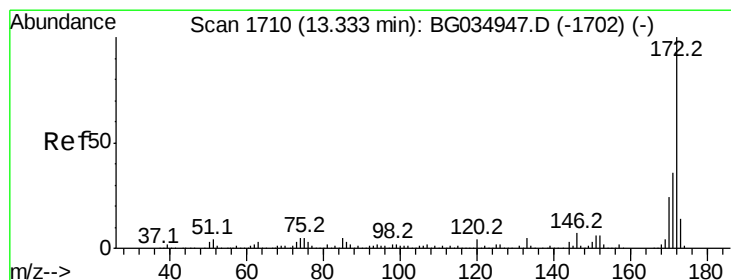
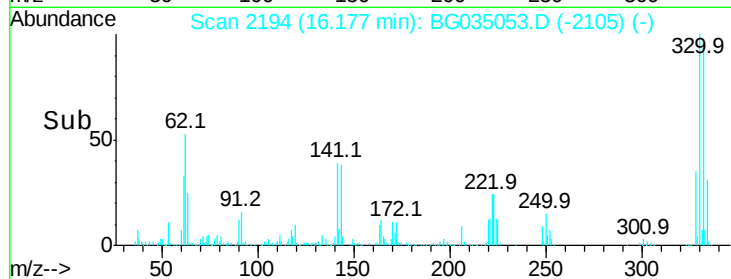
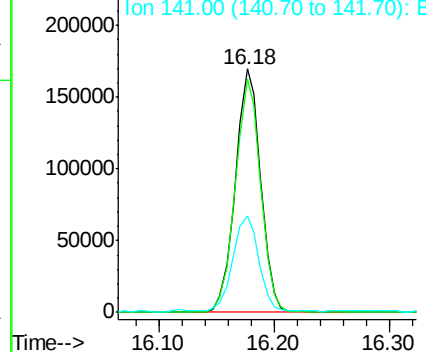
#41
 2,4,6-Tribromophenol
 Concen: 145.332 ng
 RT: 16.18 min Scan# 2194
 Delta R.T. -0.01 min
 Lab File: BG035053.D
 Acq: 12 Jun 2018 5:12

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.9	77.0	115.6
141	40.0	25.2	37.8#

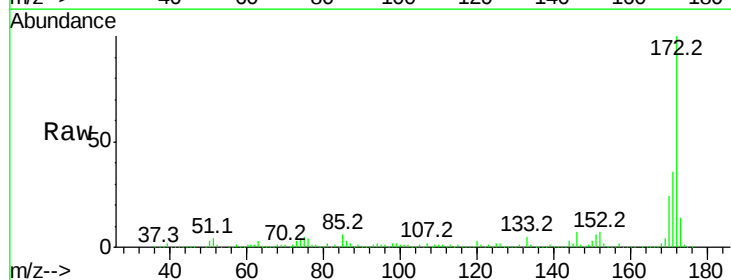


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

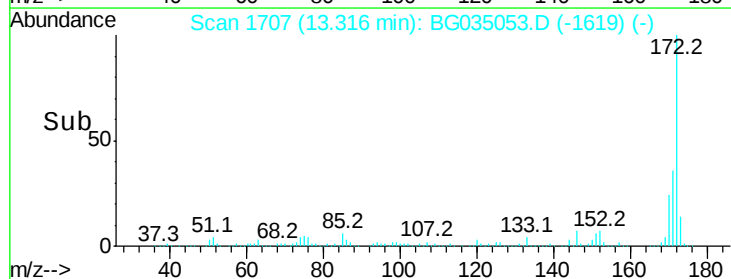
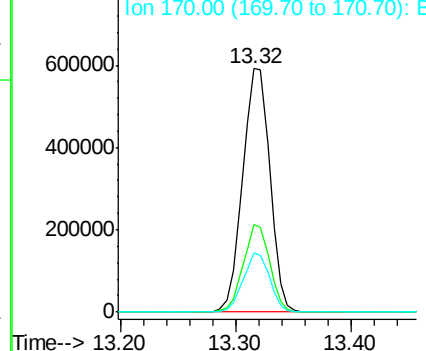


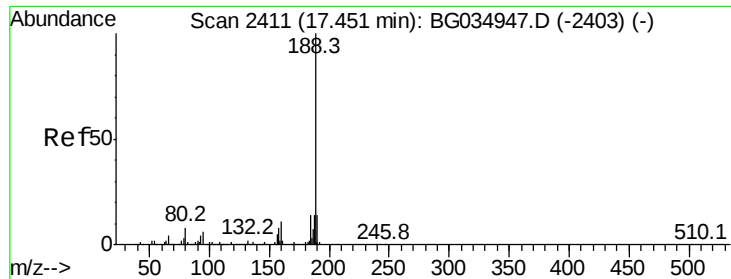
#44
 2-Fluorobiphenyl
 Concen: 90.790 ng
 RT: 13.32 min Scan# 1707
 Delta R.T. -0.01 min
 Lab File: BG035053.D
 Acq: 12 Jun 2018 5:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	30.0	45.0
170	24.2	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

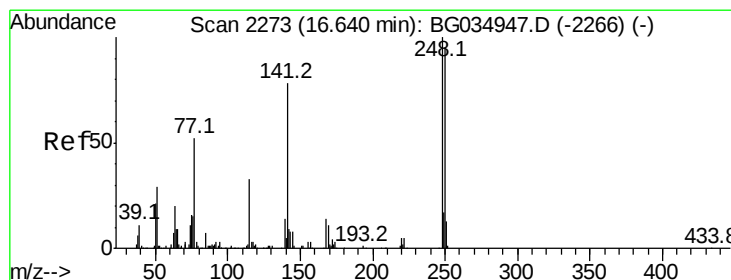
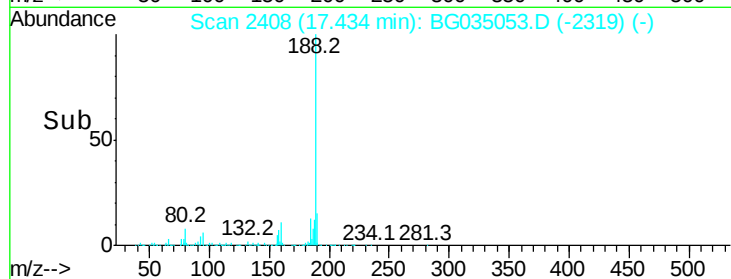
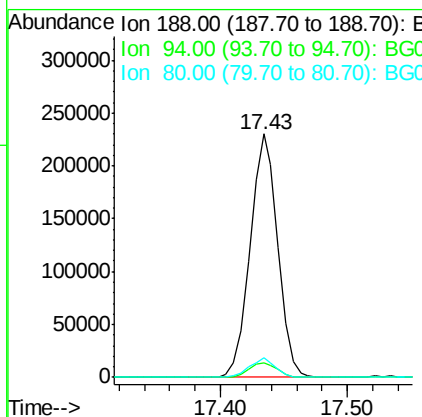
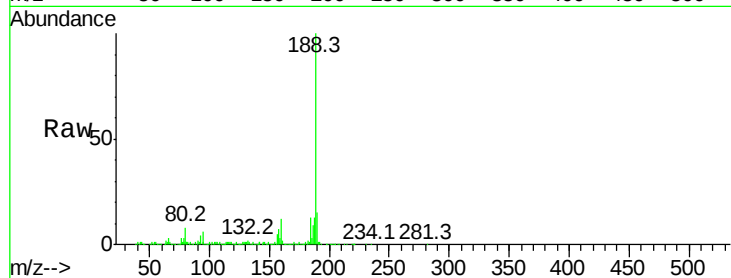




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.43 min Scan# 2408
Delta R.T. -0.01 min
Lab File: BG035053.D
Acq: 12 Jun 2018 5:12

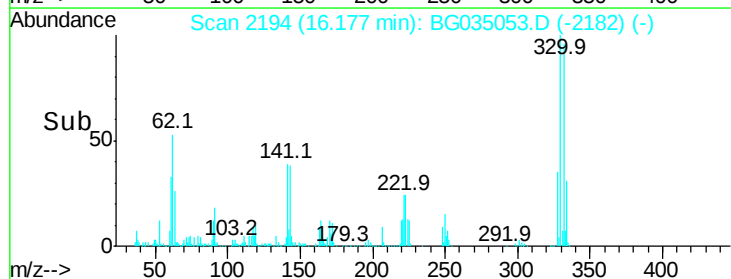
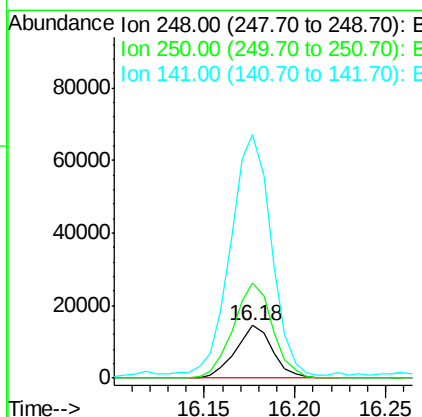
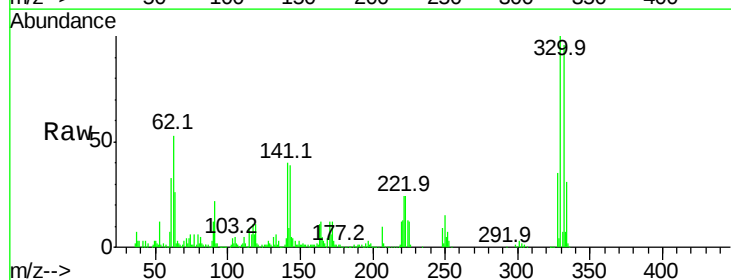
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BNA_M
ClientSampleId :

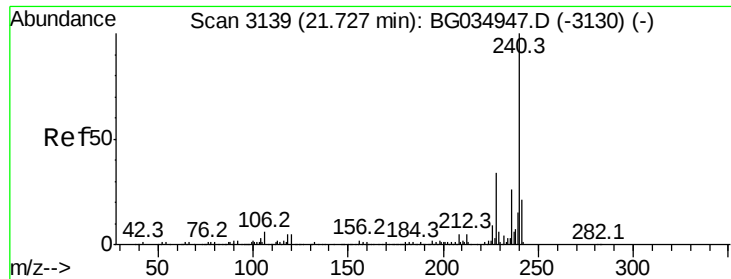
Tot Ion:188 Resp: 346677
Ion Ratio Lower Upper
188 100
94 6.2 6.9 10.3#
80 7.8 7.7 11.5



#66
4-Bromophenyl-phenylether
Concen: 4.892 ng
RT: 16.18 min Scan# 2194
Delta R.T. -0.46 min
Lab File: BG035053.D
Acq: 12 Jun 2018 5:12

Tgt Ion:248 Resp: 20425
Ion Ratio Lower Upper
248 100
250 181.1 77.1 115.7#
141 462.2 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3134

Delta R.T. -0.02 min

Lab File: BG035053.D

Acq: 12 Jun 2018 5:12

Instrument :

BNA_M

ClientSampleId :

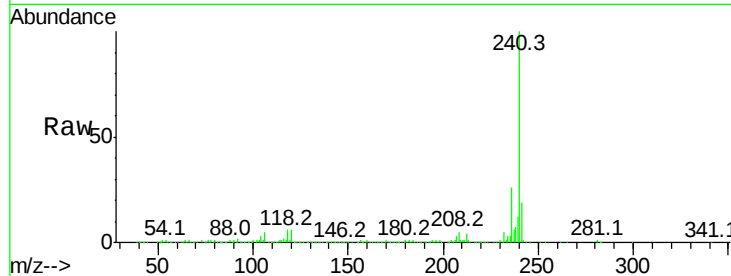
Tot Ion:240 Resp: 388413

Ion Ratio Lower Upper

240 100

120 6.0 6.8 10.2#

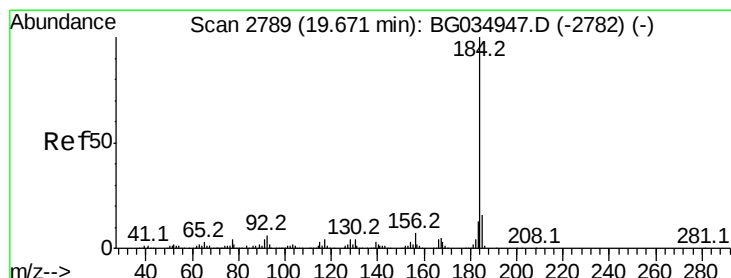
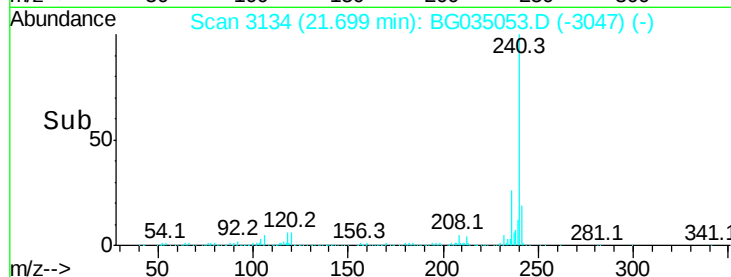
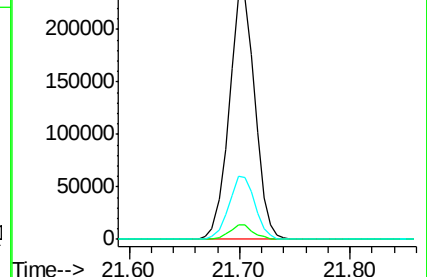
236 25.7 20.9 31.3



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



#76

Benzidine

Concen: 2.119 ng

RT: 20.04 min Scan# 2852

Delta R.T. 0.38 min

Lab File: BG035053.D

Acq: 12 Jun 2018 5:12

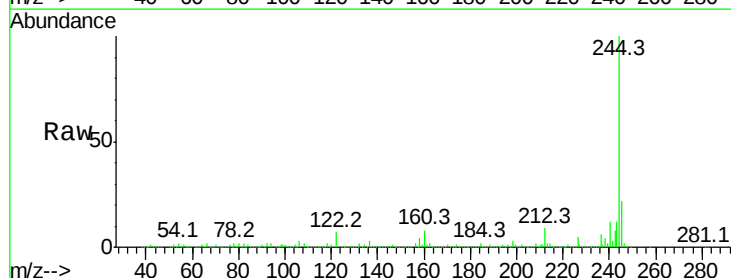
Tgt Ion:184 Resp: 30616

Ion Ratio Lower Upper

184 100

185 19.2 11.1 16.7#

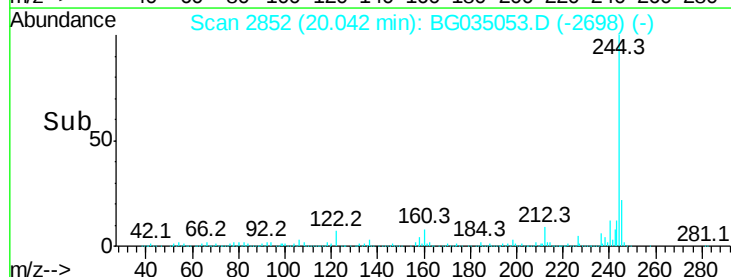
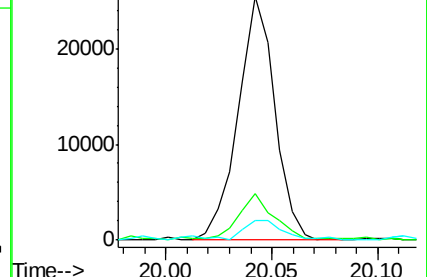
183 8.0 10.6 16.0#

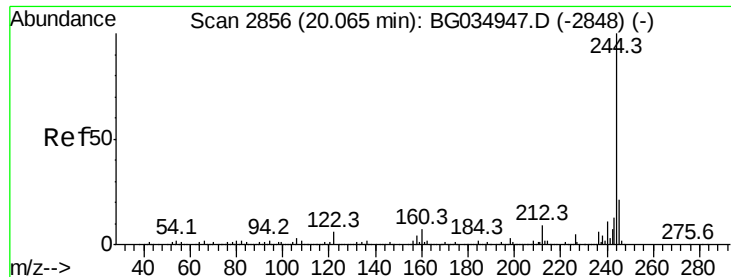


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 91.251 ng

RT: 20.04 min Scan# 2852

Delta R.T. -0.01 min

Lab File: BG035053.D

Acq: 12 Jun 2018 5:12

Instrument :

BNA_M

ClientSampleId :

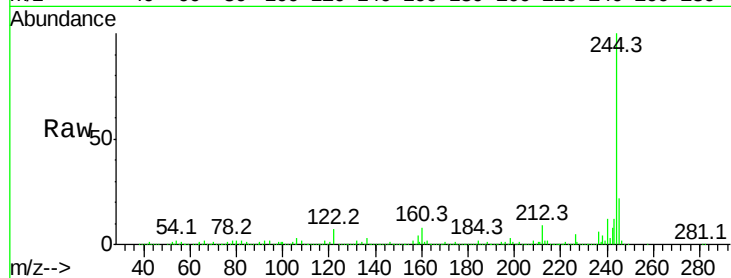
Tot Ion:244 Resp: 1692066

Ion Ratio Lower Upper

244 100

212 9.4 5.8 8.8#

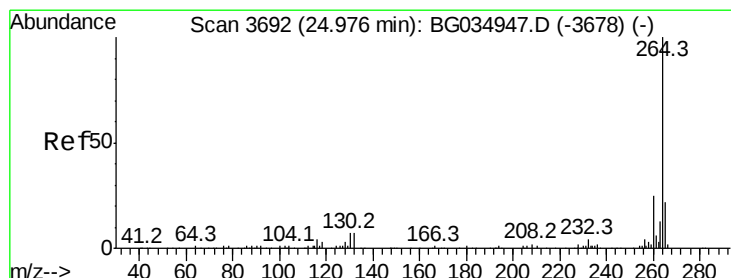
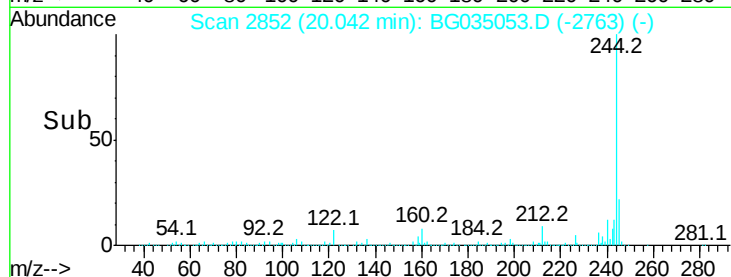
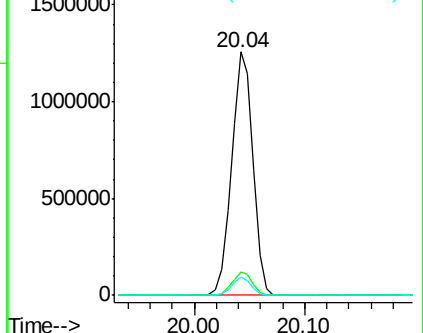
122 7.3 7.0 10.4



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: 24.94 min Scan# 3685

Delta R.T. -0.02 min

Lab File: BG035053.D

Acq: 12 Jun 2018 5:12

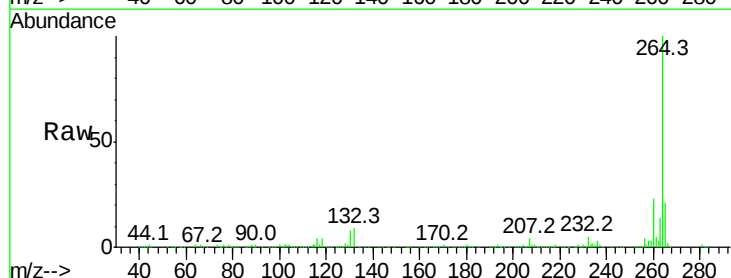
Tgt Ion:264 Resp: 379102

Ion Ratio Lower Upper

264 100

260 23.1 17.4 26.0

265 21.4 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

