

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG121718\
 Data File : BG038687.D
 Acq On : 18 Dec 2018 7:32
 Operator : JU/SJ
 Sample : J6403-32
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 18 10:45:23 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

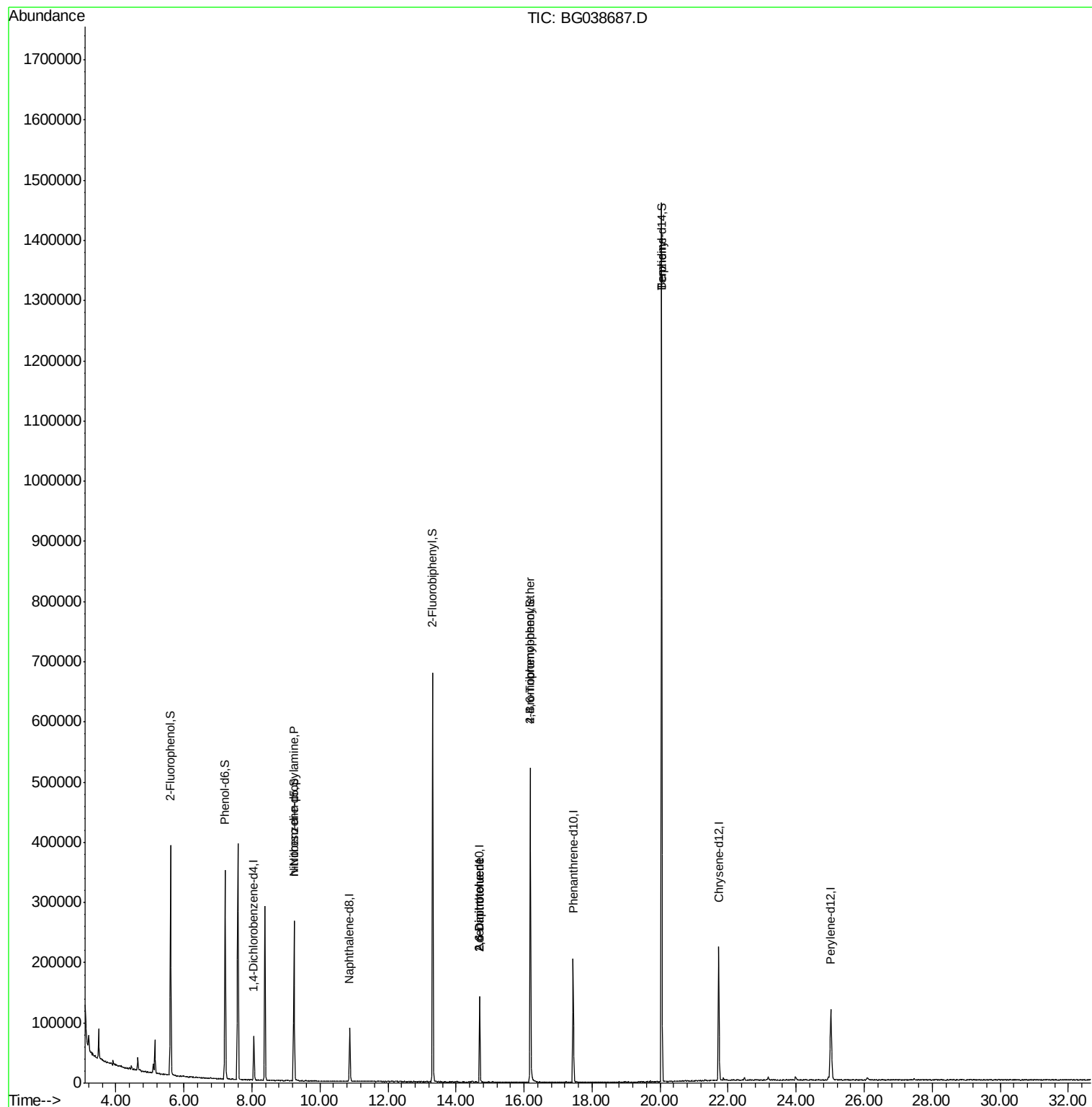
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	20604	20.00	ng	0.00
21) Naphthalene-d8	10.87	136	76941	20.00	ng	0.00
39) Acenaphthene-d10	14.69	164	51490	20.00	ng	0.00
64) Phenanthrene-d10	17.44	188	135935	20.00	ng	0.00
76) Chrysene-d12	21.72	240	147444	20.00	ng	0.00
87) Perylene-d12	25.02	264	153289	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.61	112	156925	135.09	ng	0.00
7) Phenol-d6	7.21	99	189642	118.92	ng	0.00
23) Nitrobenzene-d5	9.24	82	151376	100.51	ng	0.00
42) 2,4,6-Tribromophenol	16.19	330	105394	148.52	ng	0.00
45) 2-Fluorobiphenyl	13.31	172	352492	93.91	ng	0.00
79) Terphenyl-d14	20.05	244	719643	106.22	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.24	70	20984	18.735	ng	# 71
51) 2,6-Dinitrotoluene	14.69	165	6375	6.690	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	6375	4.750	ng	# 21
67) 4-Bromophenyl-phenylether	16.19	248	6831	4.115	ng	# 1
77) Benzidine	20.05	184	12445	2.854	ng	96

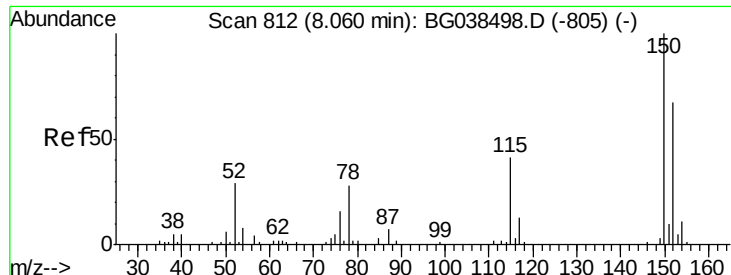
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

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QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



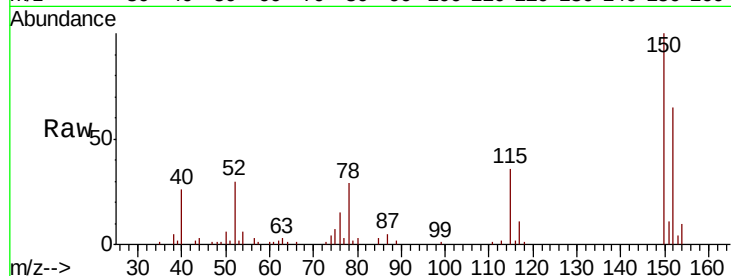


#1

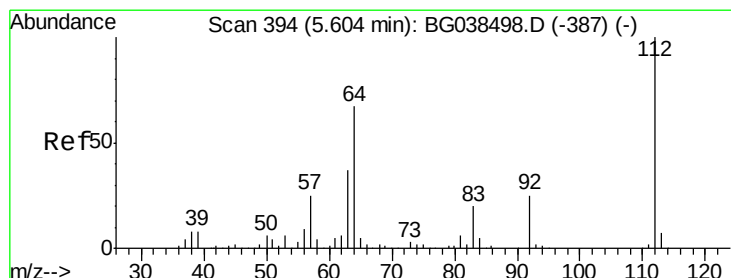
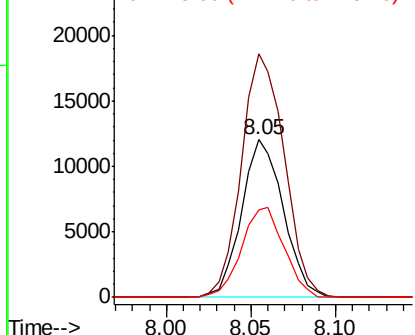
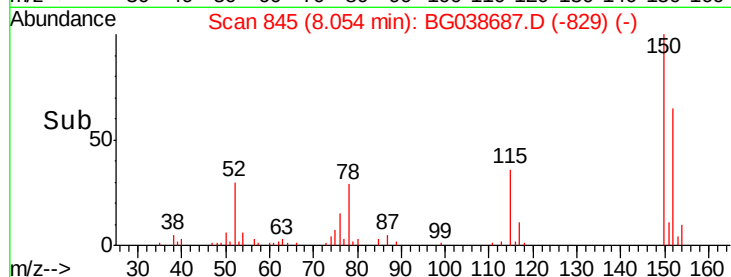
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 845
Delta R.T. -0.01 min
Lab File: BG038687.D
Acq: 18 Dec 2018 7:32

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 20604
Ion Ratio Lower Upper
152 100
150 154.7 119.5 179.3
115 55.8 49.6 74.4



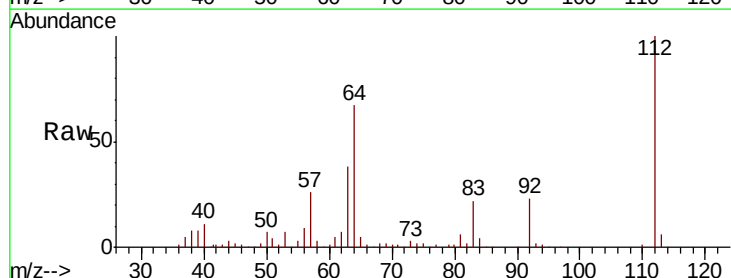
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



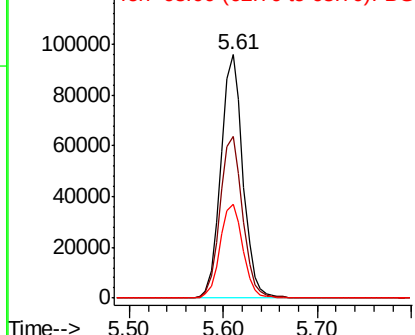
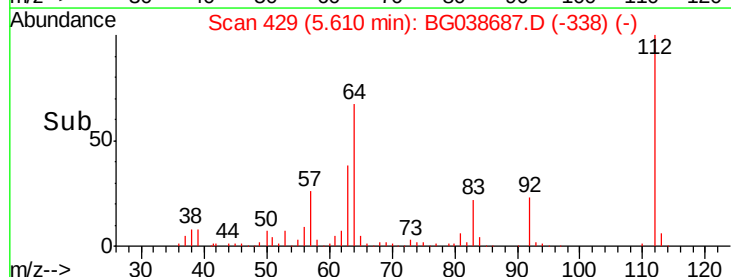
#5

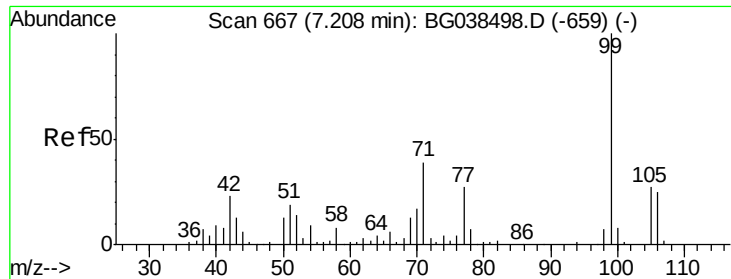
2-Fluorophenol
Concen: 135.086 ng
RT: 5.61 min Scan# 429
Delta R.T. 0.01 min
Lab File: BG038687.D
Acq: 18 Dec 2018 7:32

Tgt Ion:112 Resp: 156925
Ion Ratio Lower Upper
112 100
64 66.7 53.4 80.2
63 38.5 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG
Ion 63.00 (62.70 to 63.70): BG





#7

Phenol-d6

Concen: 118.916 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG038687.D

Acq: 18 Dec 2018 7:32

Instrument :

BNA_G

ClientSampled :

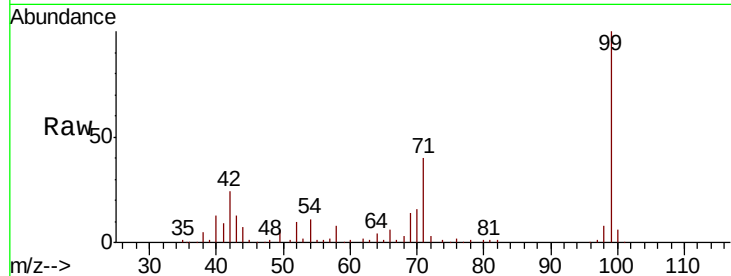
Tot Ion: 99 Resp: 189642

Ion Ratio Lower Upper

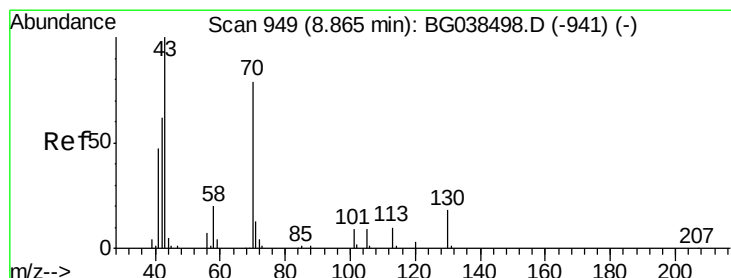
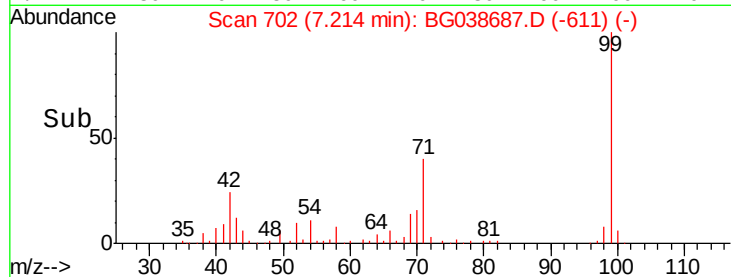
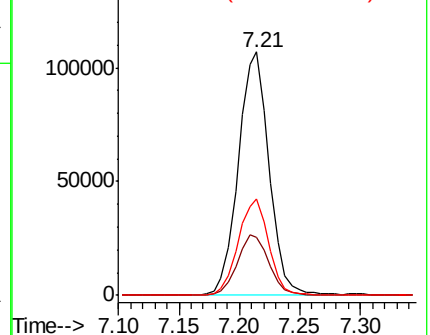
99 100

42 24.1 18.5 27.7

71 39.5 31.1 46.7



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: 18.735 ng

RT: 9.24 min Scan# 1046

Delta R.T. 0.37 min

Lab File: BG038687.D

Acq: 18 Dec 2018 7:32

Tgt Ion: 70 Resp: 20984

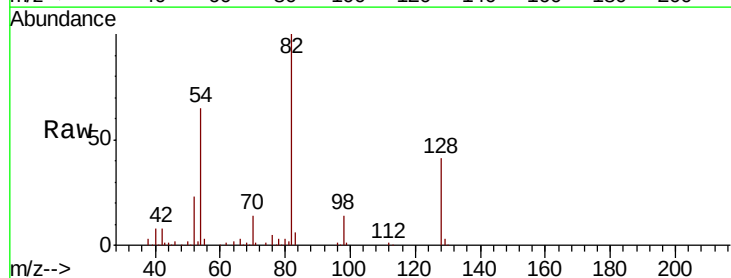
Ion Ratio Lower Upper

70 100

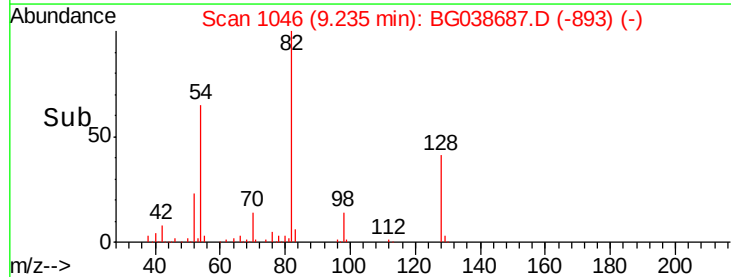
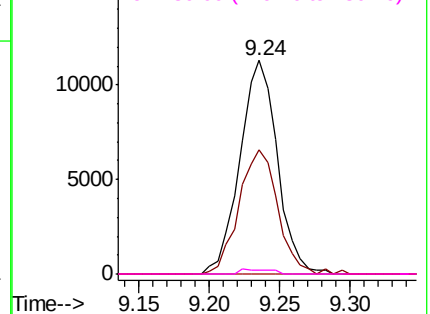
42 58.2 63.6 95.4#

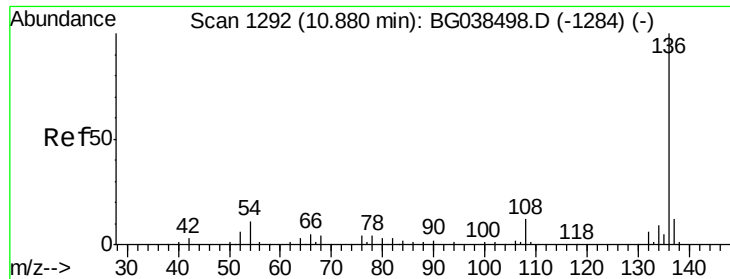
101 0.0 9.2 13.8#

130 1.9 18.5 27.7#



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

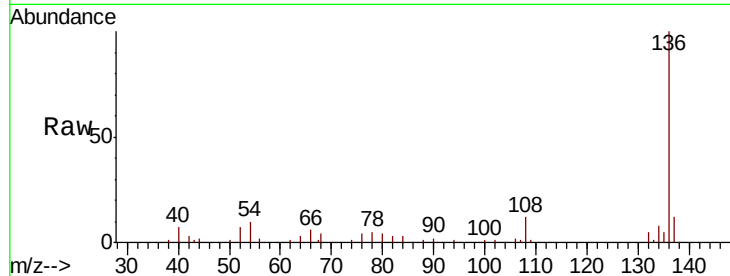




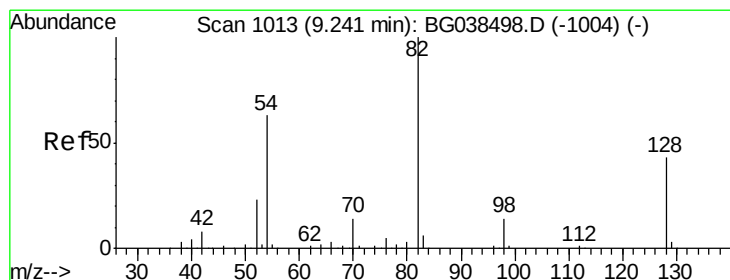
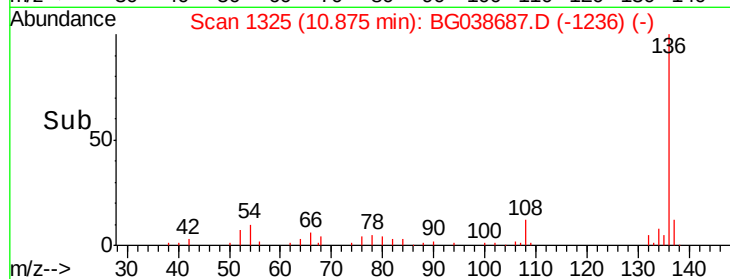
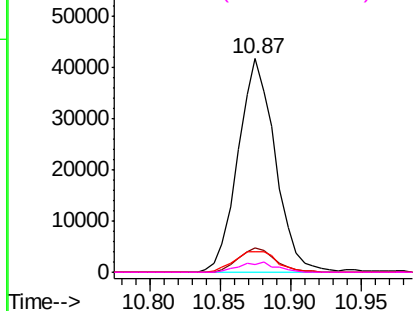
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.87 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BG038687.D
Acq: 18 Dec 2018 7:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	76941
Ion Ratio	Lower	Upper
136	100	
137	11.6	9.3 13.9
54	9.7	8.5 12.7
68	3.9	3.5 5.3

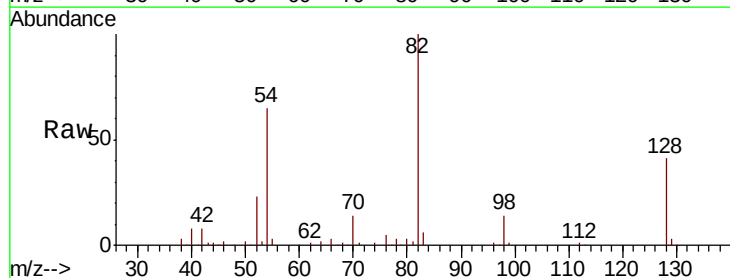


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

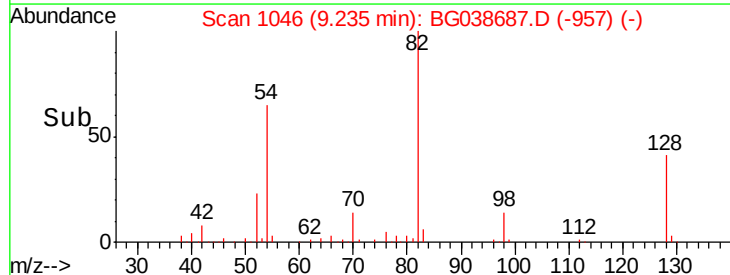
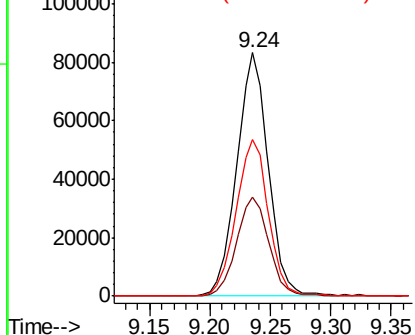


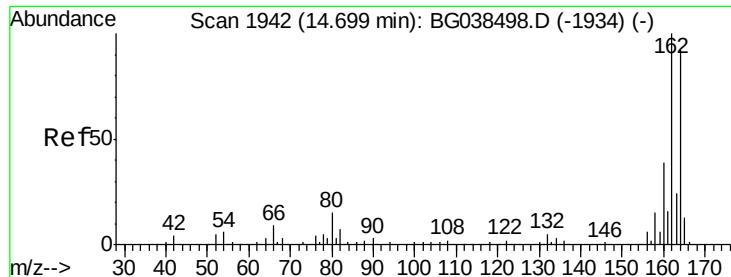
#23
Nitrobenzene-d5
Concen: 100.510 ng
RT: 9.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BG038687.D
Acq: 18 Dec 2018 7:32

Tgt Ion: 82	Resp:	151376
Ion Ratio	Lower	Upper
82	100	
128	40.5	34.6 52.0
54	64.5	50.6 76.0



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





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1975

Delta R.T. -0.01 min

Lab File: BG038687.D

Acq: 18 Dec 2018 7:32

Instrument :

BNA_G

ClientSampleId :

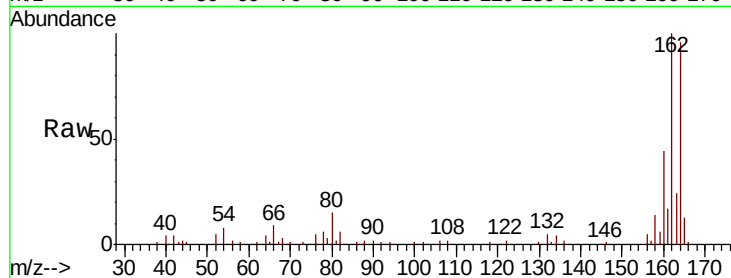
Tot Ion:164 Resp: 51490

Ion Ratio Lower Upper

164 100

162 104.3 86.6 130.0

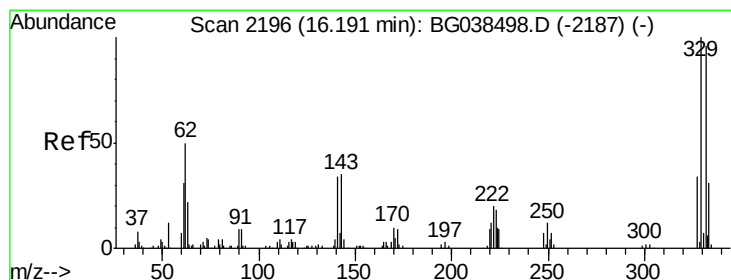
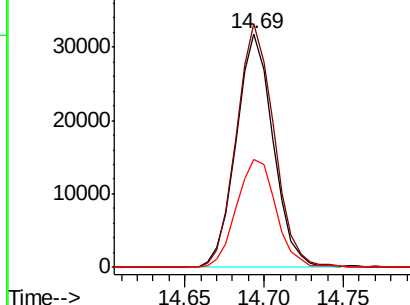
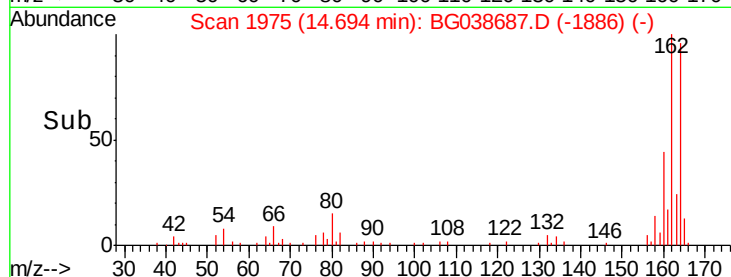
160 46.1 34.2 51.2



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



#42

2,4,6-Tribromophenol

Concen: 148.521 ng

RT: 16.19 min Scan# 2229

Delta R.T. -0.01 min

Lab File: BG038687.D

Acq: 18 Dec 2018 7:32

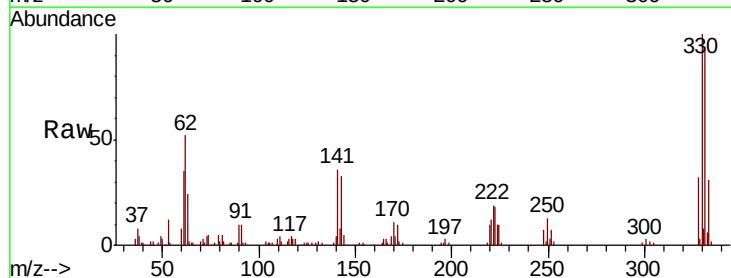
Tgt Ion:330 Resp: 105394

Ion Ratio Lower Upper

330 100

332 95.0 76.9 115.3

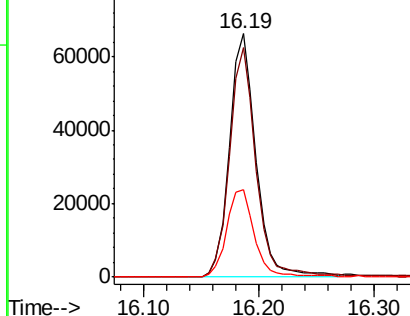
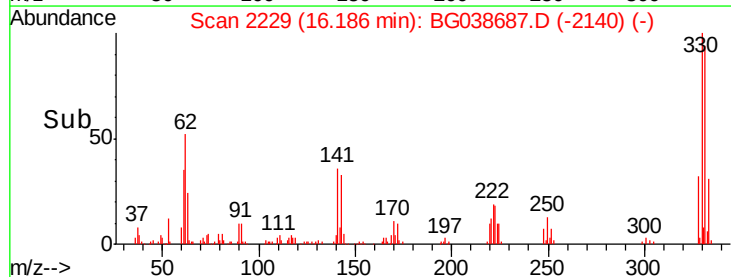
141 37.7 28.8 43.2

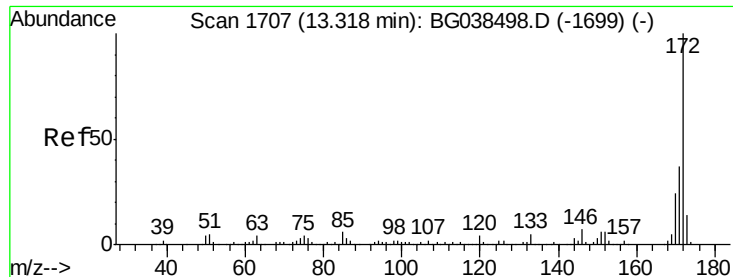


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

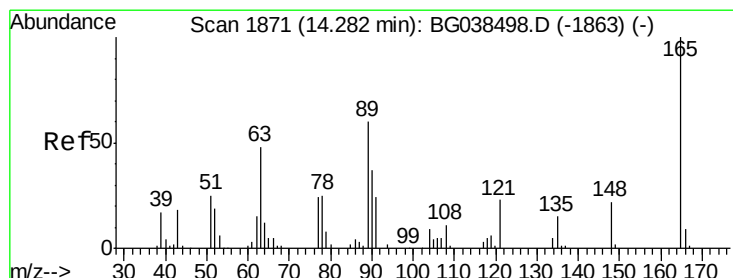
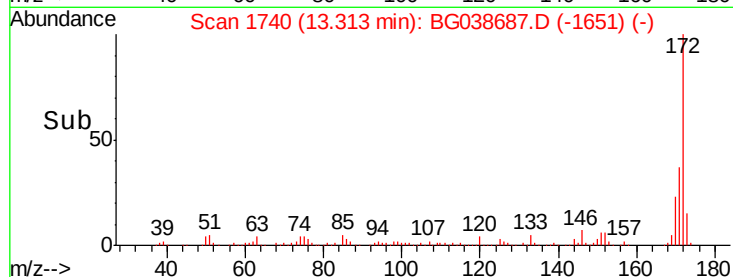
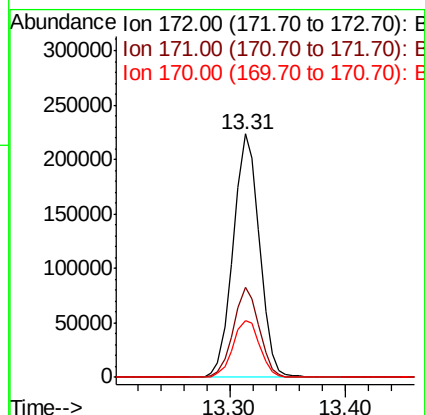
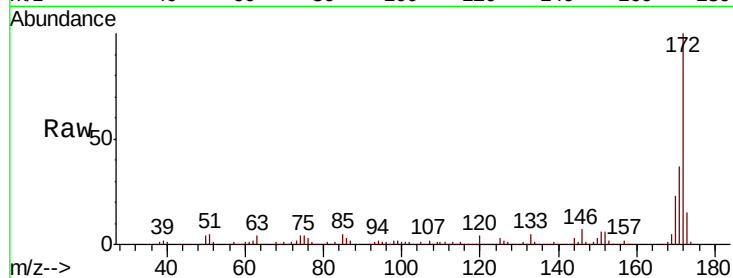




#45
 2-Fluorobiphenyl
 Concen: 93.914 ng
 RT: 13.31 min Scan# 1740
 Delta R.T. -0.01 min
 Lab File: BG038687.D
 Acq: 18 Dec 2018 7:32

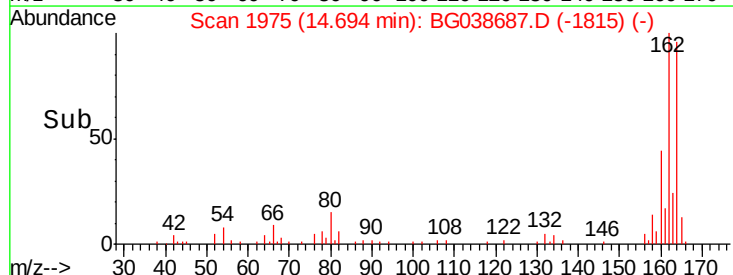
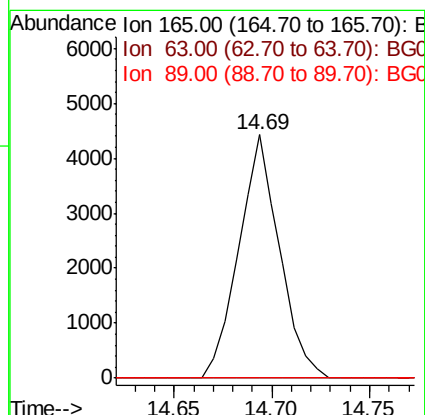
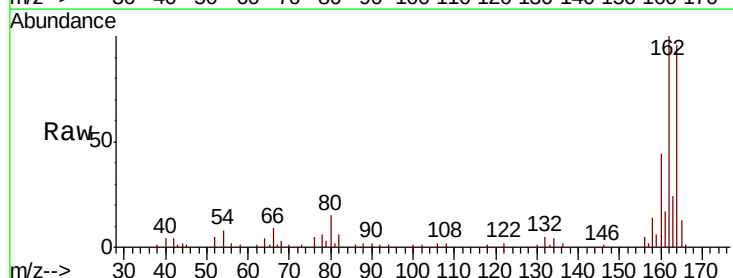
Instrument :
 BNA_G
 ClientSampleId :

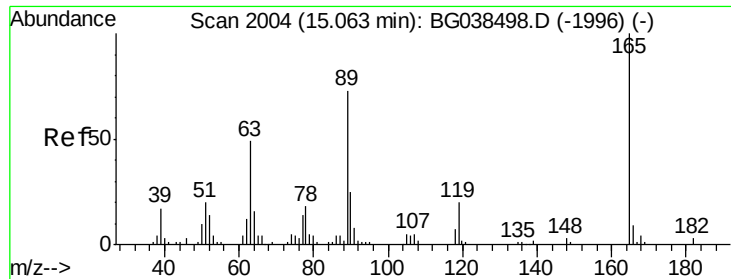
Tot Ion	172	Resp	352492
Ion Ratio	100	Lower	Upper
171	37.0	29.8	44.6
170	23.4	19.5	29.3



#51
 2,6-Dinitrotoluene
 Concen: 6.690 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. 0.41 min
 Lab File: BG038687.D
 Acq: 18 Dec 2018 7:32

Tgt Ion	165	Resp	6375
Ion Ratio	100	Lower	Upper
63	0.0	51.8	77.6#
89	0.0	47.9	71.9#

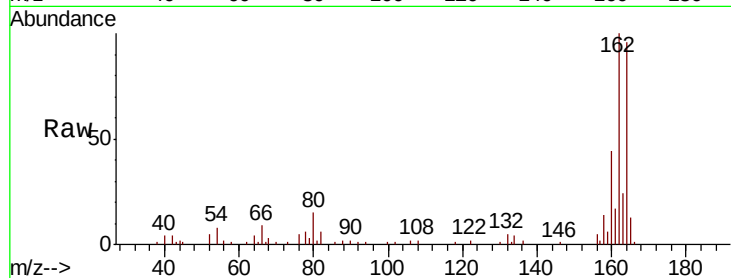




#57
 2,4-Dinitrotoluene
 Concen: 4.750 ng
 RT: 14.69 min Scan# 1975
 Delta R.T. -0.37 min
 Lab File: BG038687.D
 Acq: 18 Dec 2018 7:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	39.0	58.4#
89	0.0	58.0	87.0#
182	0.0	2.3	3.5#

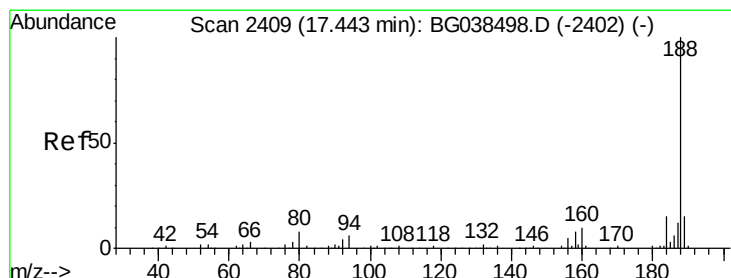
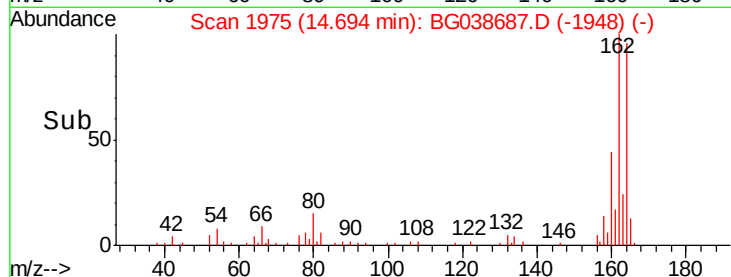
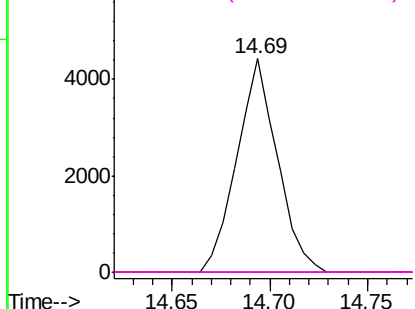


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

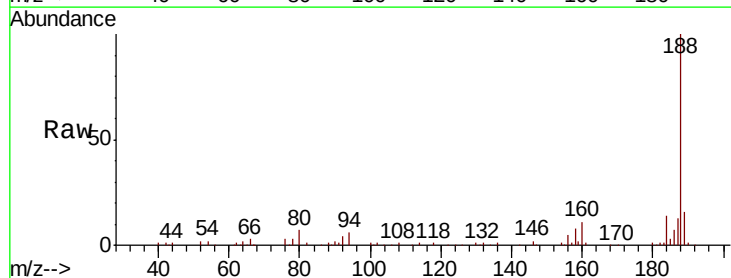
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.44 min Scan# 2443
 Delta R.T. 0.00 min
 Lab File: BG038687.D
 Acq: 18 Dec 2018 7:32

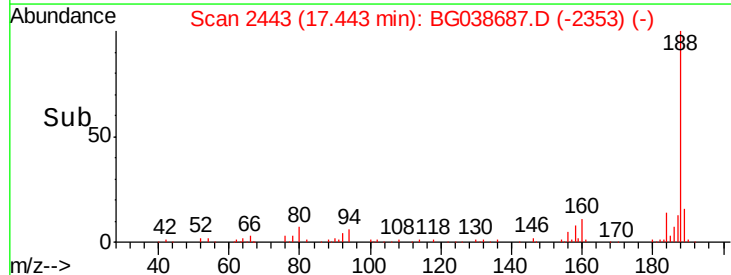
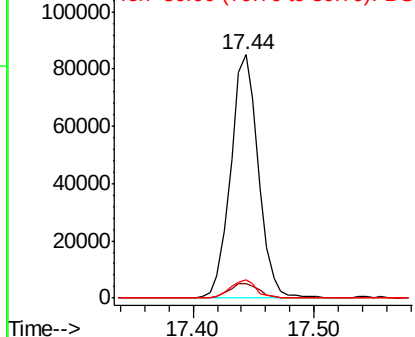
Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.1	7.7
80	7.4	6.1	9.1

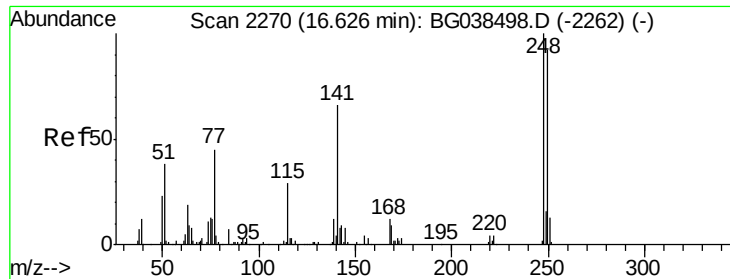


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

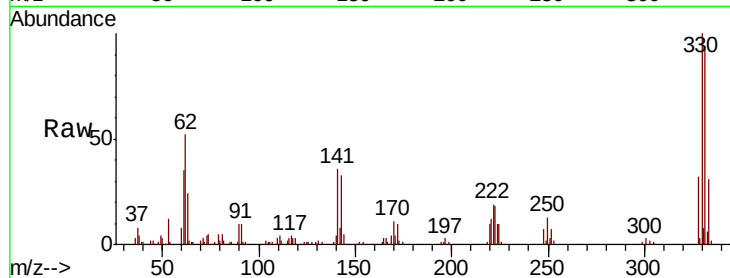




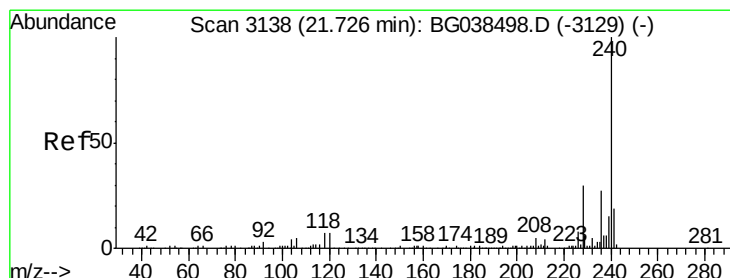
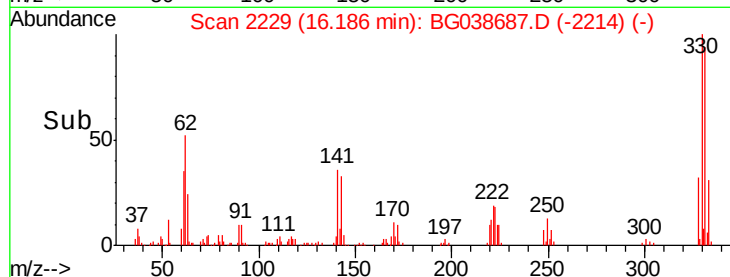
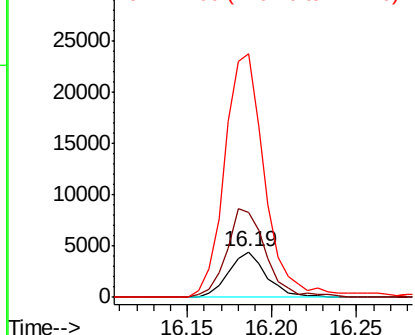
#67
 4-Bromophenyl-phenylether
 Concen: 4.115 ng
 RT: 16.19 min Scan# 2229
 Delta R.T. -0.44 min
 Lab File: BG038687.D
 Acq: 18 Dec 2018 7:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 6831
 Ion Ratio Lower Upper
 248 100
 250 182.9 73.4 110.2#
 141 410.2 52.9 79.3#

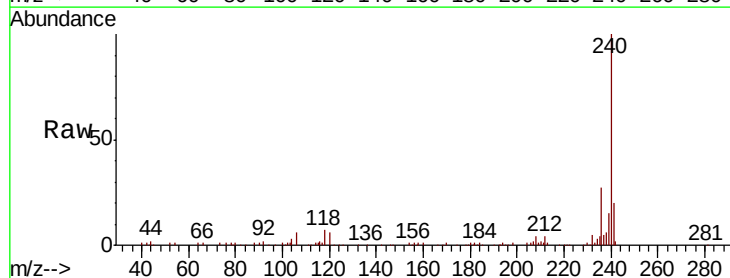


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

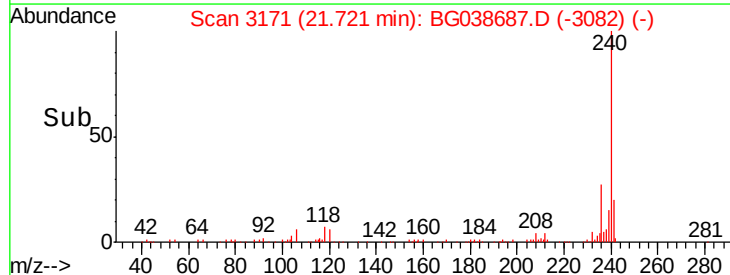
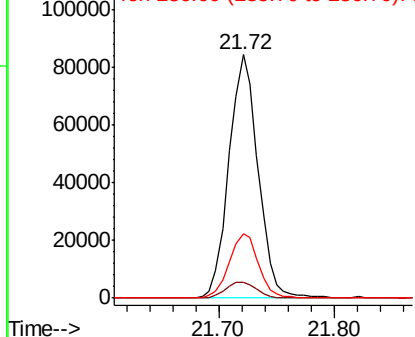


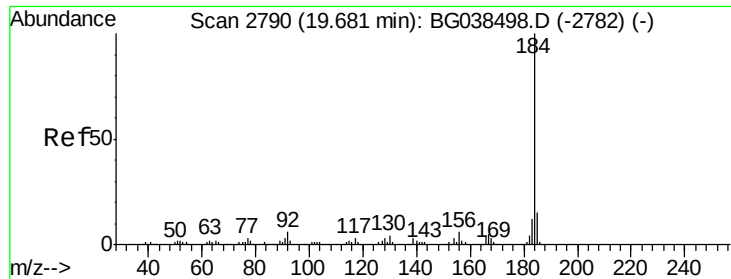
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.72 min Scan# 3171
 Delta R.T. -0.01 min
 Lab File: BG038687.D
 Acq: 18 Dec 2018 7:32

Tgt Ion:240 Resp: 147444
 Ion Ratio Lower Upper
 240 100
 120 6.4 5.3 7.9
 236 26.7 21.4 32.2



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





#77

Benzidine

Concen: 2.854 ng

RT: 20.05 min Scan# 2886

Delta R.T. 0.36 min

Lab File: BG038687.D

Acq: 18 Dec 2018 7:32

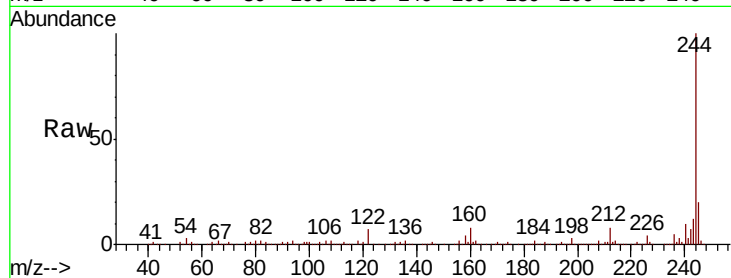
Instrument :

BNA_G

ClientSampleId :

Tot Ion:184 Resp: 12445

Ion	Ratio	Lower	Upper
184	100		
185	17.5	12.2	18.2
183	12.3	9.6	14.4

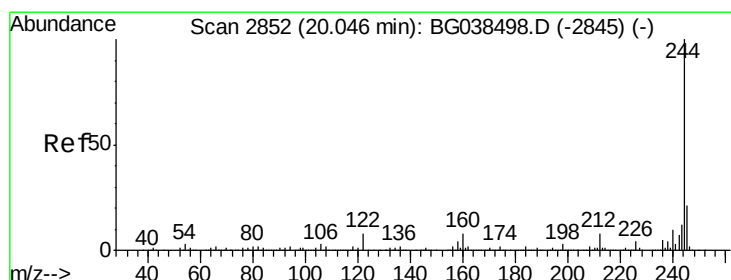
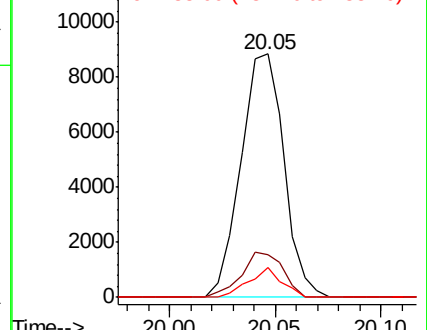
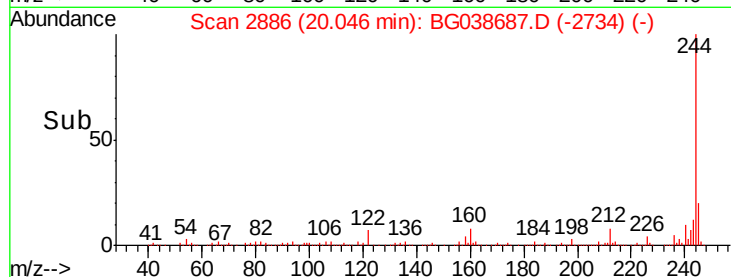


Abundance

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



#79

Terphenyl-d14

Concen: 106.222 ng

RT: 20.05 min Scan# 2886

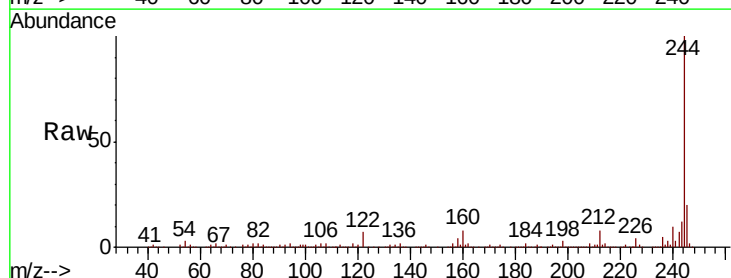
Delta R.T. 0.00 min

Lab File: BG038687.D

Acq: 18 Dec 2018 7:32

Tgt Ion:244 Resp: 719643

Ion	Ratio	Lower	Upper
244	100		
212	7.7	6.2	9.2
122	6.6	6.3	9.5

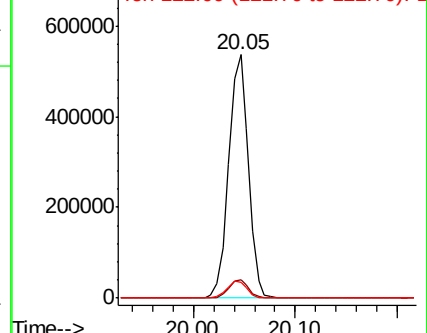
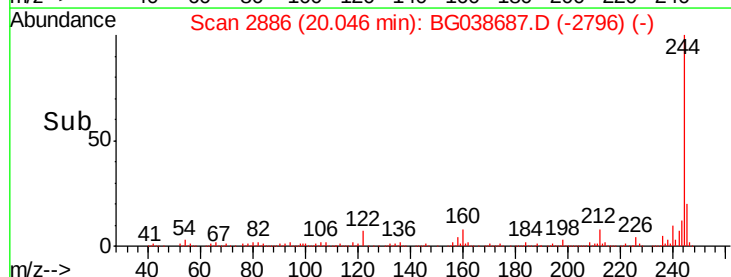


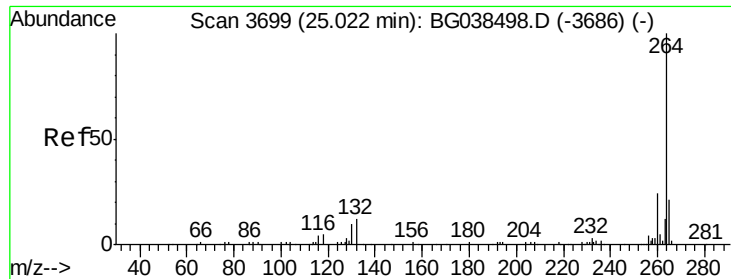
Abundance

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

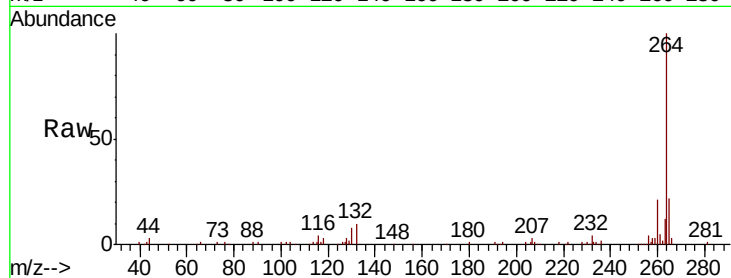




#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3733
Delta R.T. 0.00 min
Lab File: BG038687.D
Acq: 18 Dec 2018 7:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	20.7	18.9	28.3
265	21.8	17.0	25.4



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

