

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042618\
 Data File : BG034036.D
 Acq On : 27 Apr 2018 7:35
 Operator : SJ/JU
 Sample : J2571-09
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 27 10:50:22 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

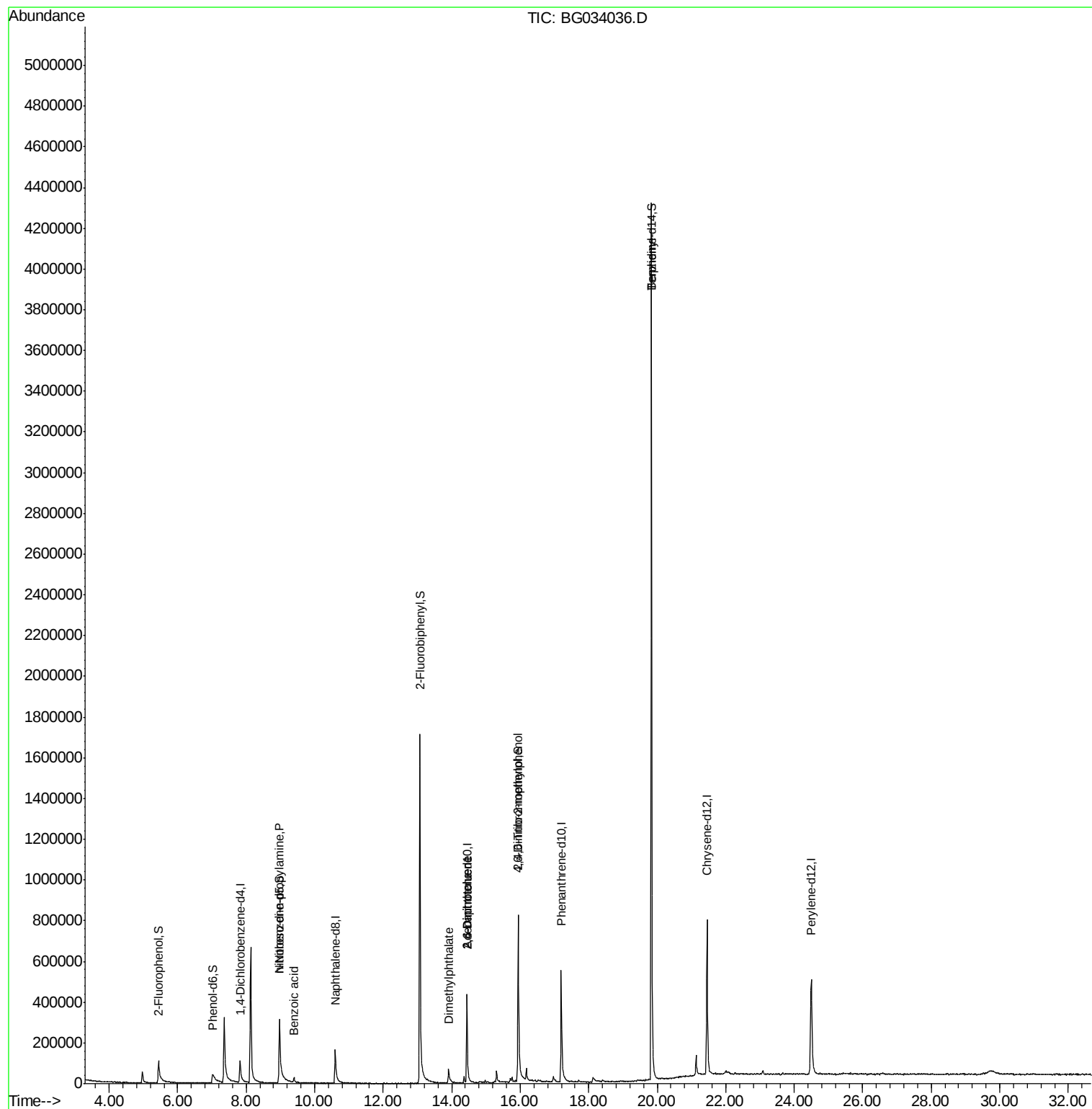
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	52172	20.00	ng	-0.01
21) Naphthalene-d8	10.60	136	248811	20.00	ng	-0.03
38) Acenaphthene-d10	14.44	164	195668	20.00	ng	-0.03
63) Phenanthrene-d10	17.20	188	544950	20.00	ng	-0.03
75) Chrysene-d12	21.45	240	599544	20.00	ng	-0.04
86) Perylene-d12	24.50	264	606453	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	118603	36.29	ng	0.00
7) Phenol-d6	7.02	99	79937	16.77	ng	0.02
23) Nitrobenzene-d5	8.97	82	342876	78.42	ng	-0.01
41) 2,4,6-Tribromophenol	15.94	330	246311	107.90	ng	-0.03
44) 2-Fluorobiphenyl	13.07	172	1257041	94.38	ng	-0.03
78) Terphenyl-d14	19.83	244	2426587	90.93	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	8.97	70	42640	10.495	ng	# 71
32) Benzoic acid	9.41	122	53	5.098	ng	# 1
49) Dimethylphthalate	13.91	163	83961	4.878	ng	# 98
50) 2,6-Dinitrotoluene	14.44	165	24828	7.612	ng	# 22
56) 2,4-Dinitrotoluene	14.44	165	24888	5.738	ng	# 20
64) 4,6-Dinitro-2-methylphenol	15.93	198	109	6.525	ng	# 70
76) Benzidine	19.83	184	35109	2.169	ng	# 90

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

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Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Apr 19 13:56:22 2018
Response via : Initial Calibration



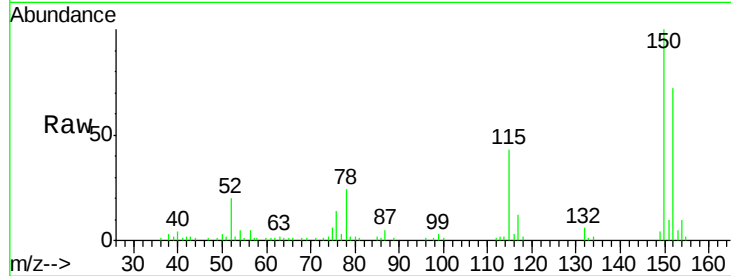


#1

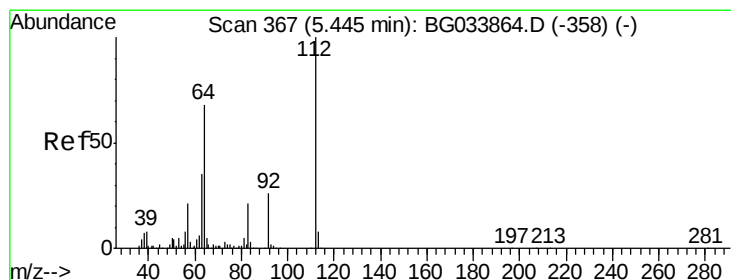
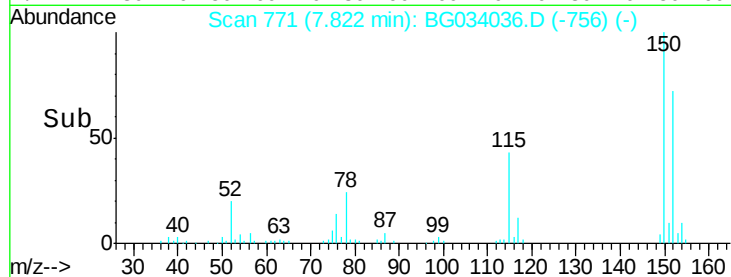
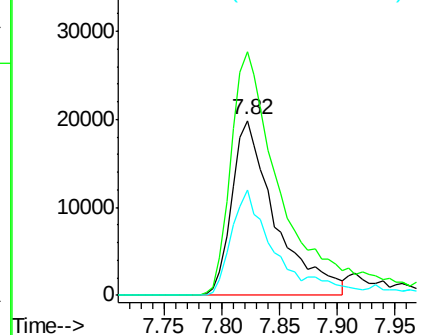
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.82 min Scan# 771
Delta R.T. -0.01 min
Lab File: BG034036.D
Acq: 27 Apr 2018 7:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 52172
Ion Ratio Lower Upper
152 100
150 139.5 126.6 189.8
115 60.5 53.0 79.4



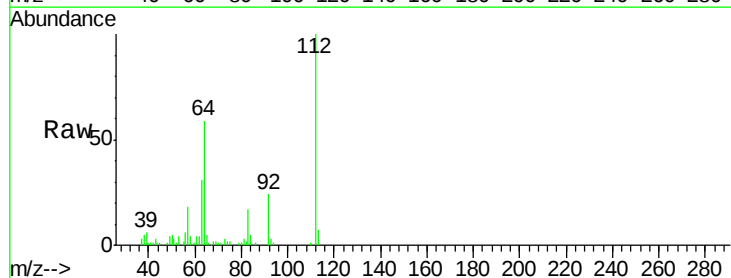
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



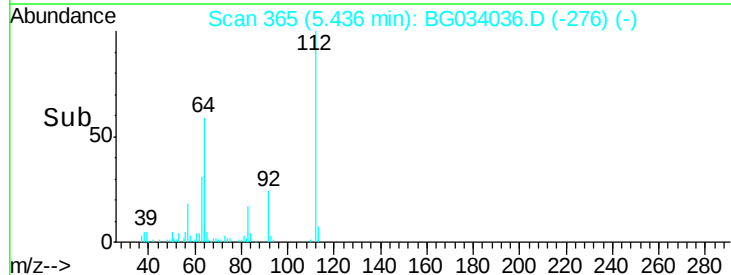
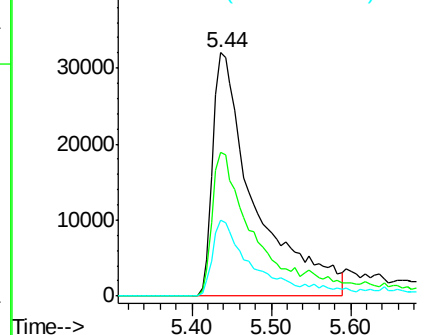
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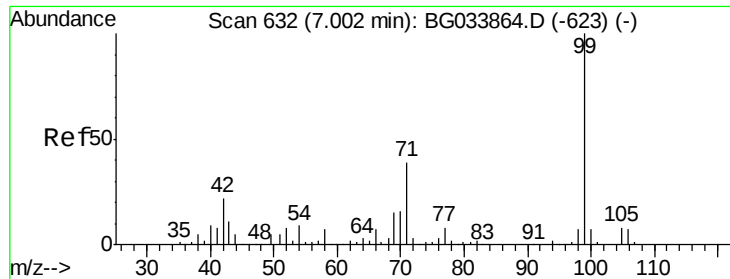
2-Fluorophenol
Concen: 36.294 ng
RT: 5.44 min Scan# 365
Delta R.T. -0.01 min
Lab File: BG034036.D
Acq: 27 Apr 2018 7:35

Tgt Ion:112 Resp: 118603
Ion Ratio Lower Upper
112 100
64 58.9 56.3 84.5
63 31.0 30.1 45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 16.771 ng

RT: 7.02 min Scan# 635

Delta R.T. 0.02 min

Lab File: BG034036.D

Acq: 27 Apr 2018 7:35

Instrument :

BNA_G

ClientSampleId :

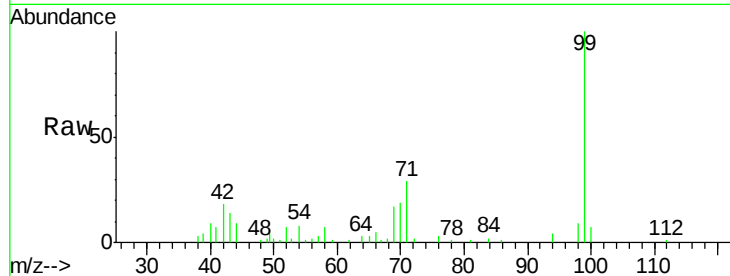
Tot Ion: 99 Resp: 79937

Ion Ratio Lower Upper

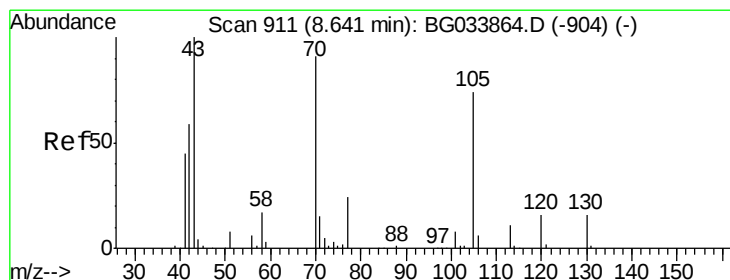
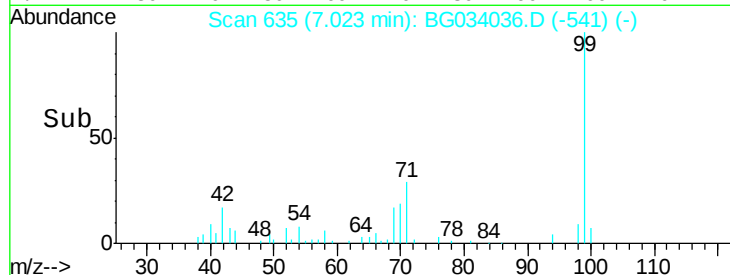
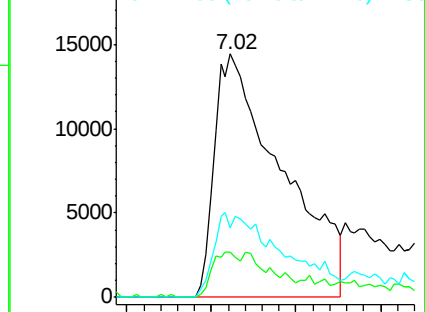
99 100

42 18.4 14.1 21.1

71 28.8 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: 10.495 ng

RT: 8.97 min Scan# 967

Delta R.T. 0.33 min

Lab File: BG034036.D

Acq: 27 Apr 2018 7:35

Tgt Ion: 70 Resp: 42640

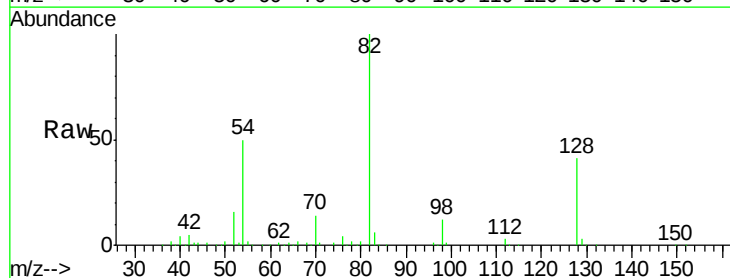
Ion Ratio Lower Upper

70 100

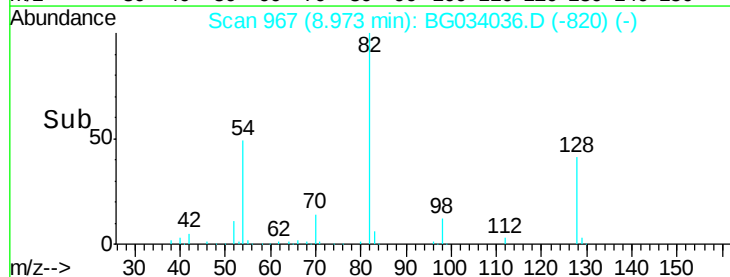
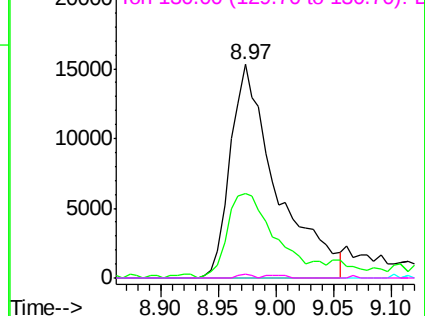
42 39.8 49.1 73.7#

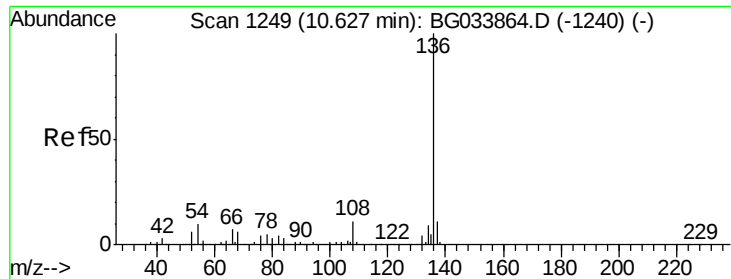
101 0.0 8.5 12.7#

130 1.9 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

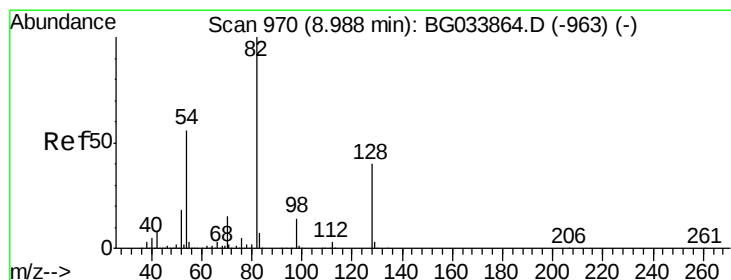
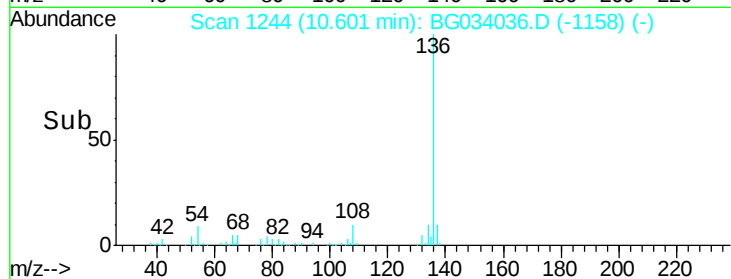
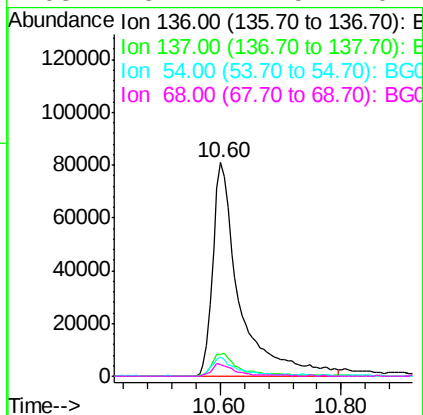
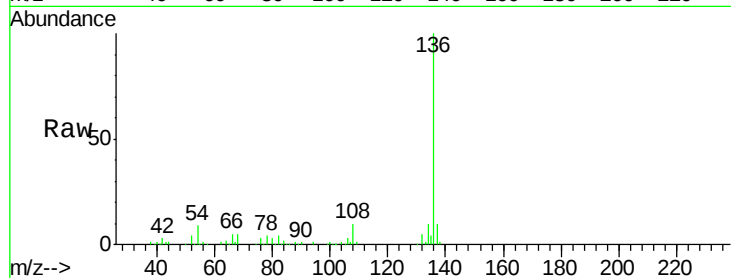




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.60 min Scan# 1244
Delta R.T. -0.03 min
Lab File: BG034036.D
Acq: 27 Apr 2018 7:35

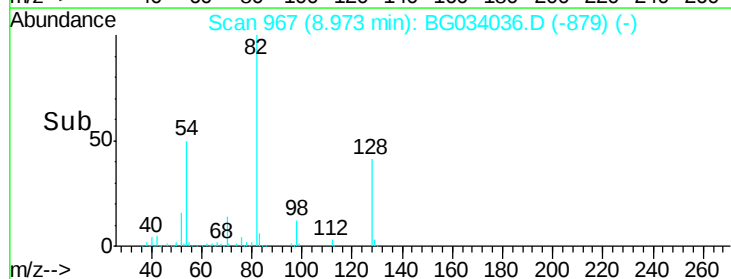
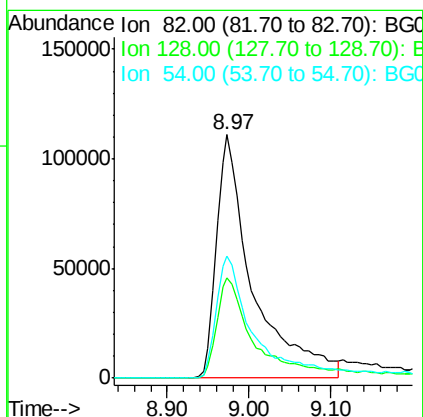
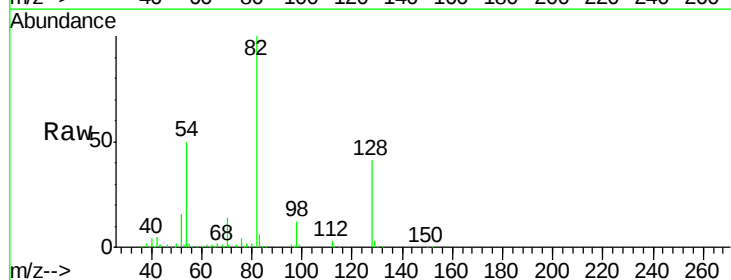
Instrument :
BNA_G
ClientSampleId :

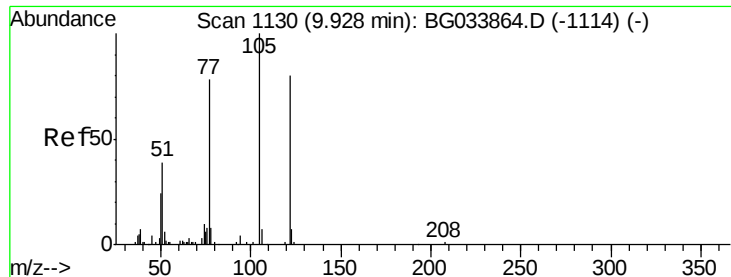
Tot Ion:136	Resp:	248811
Ion	Ratio	Lower Upper
136	100	
137	10.3	9.2 13.8
54	8.8	10.3 15.5#
68	5.2	4.5 6.7



#23
Nitrobenzene-d5
Concen: 78.425 ng
RT: 8.97 min Scan# 967
Delta R.T. -0.01 min
Lab File: BG034036.D
Acq: 27 Apr 2018 7:35

Tgt Ion: 82	Resp:	342876
Ion	Ratio	Lower Upper
82	100	
128	41.0	29.7 44.5
54	50.0	43.1 64.7

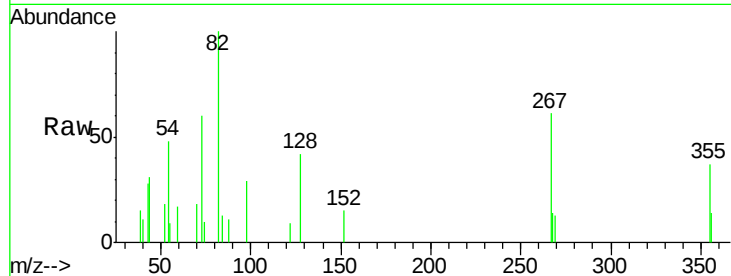




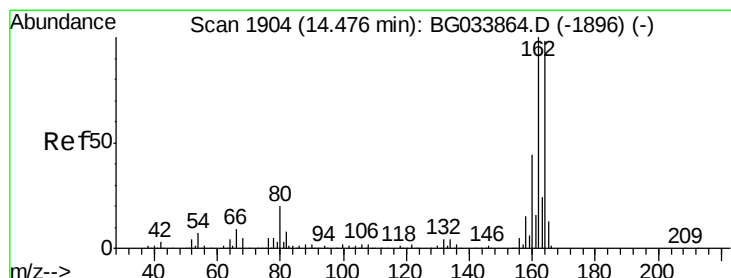
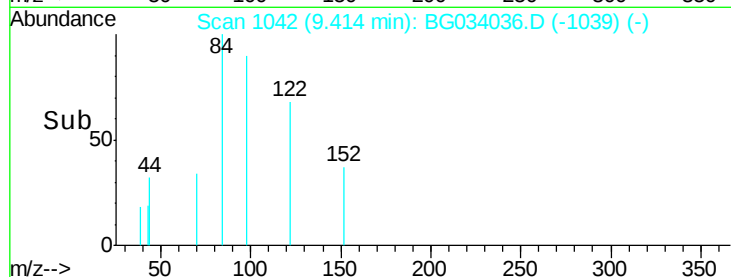
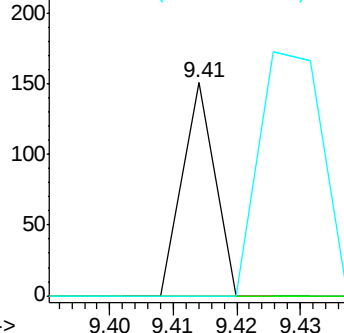
#32
Benzoic acid
Concen: 5.098 ng
RT: 9.41 min Scan# 1042
Delta R.T. -0.51 min
Lab File: BG034036.D
Acq: 27 Apr 2018 7:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#

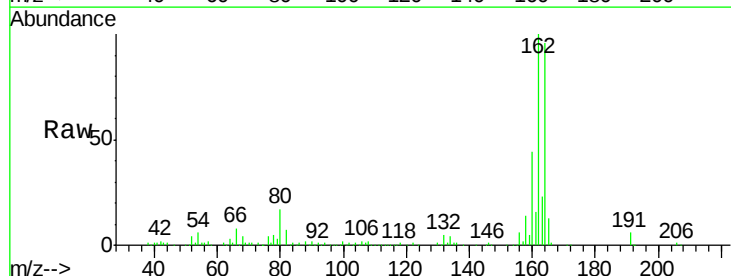


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): B

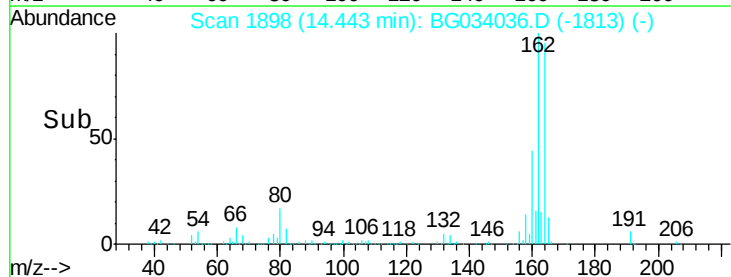
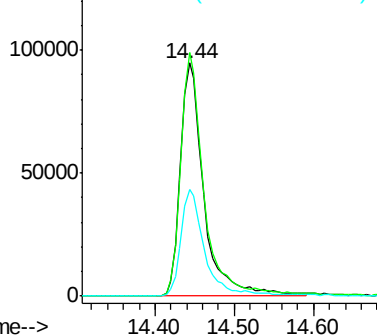


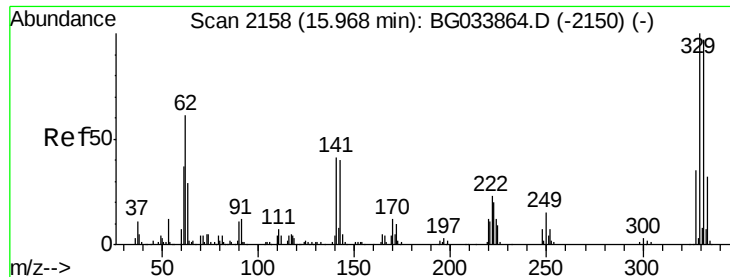
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.44 min Scan# 1898
Delta R.T. -0.03 min
Lab File: BG034036.D
Acq: 27 Apr 2018 7:35

Tgt Ion	Ratio	Lower	Upper
164	100		
162	104.6	78.8	118.2
160	46.0	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

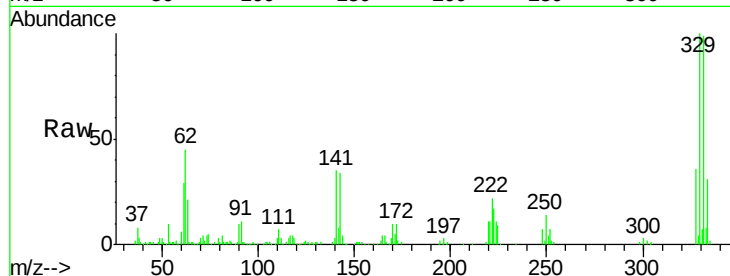




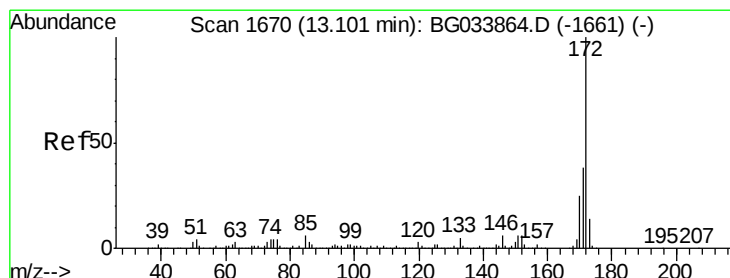
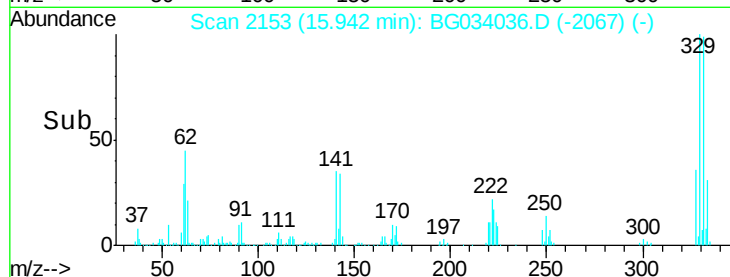
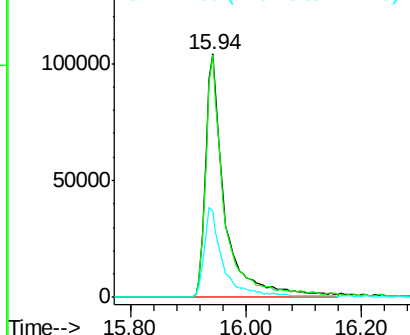
#41
 2,4,6-Tribromophenol
 Concen: 107.900 ng
 RT: 15.94 min Scan# 2153
 Delta R.T. -0.03 min
 Lab File: BG034036.D
 Acq: 27 Apr 2018 7:35

Instrument :
 BNA_G
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	92.9	77.0	115.6
141	36.0	25.2	37.8

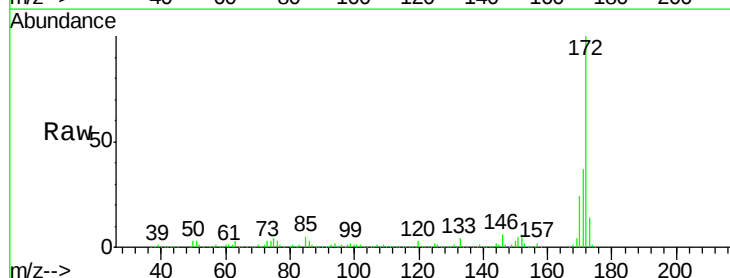


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

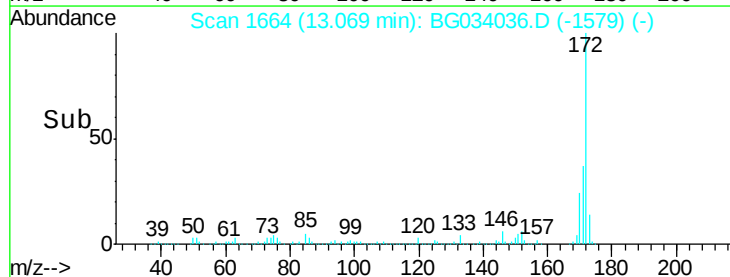
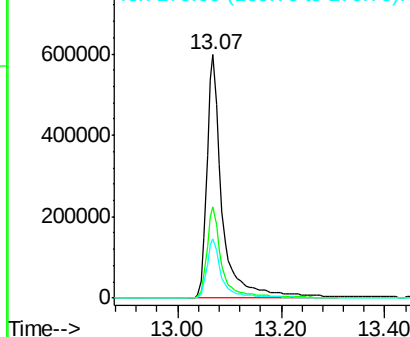


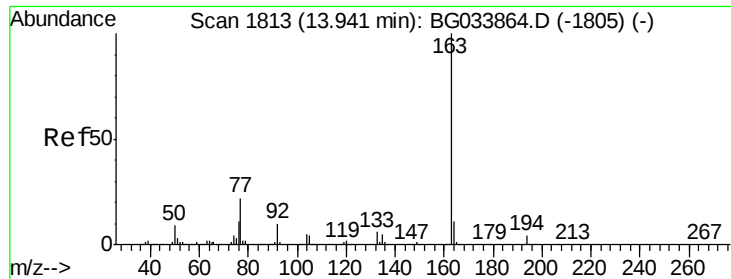
#44
 2-Fluorobiphenyl
 Concen: 94.375 ng
 RT: 13.07 min Scan# 1664
 Delta R.T. -0.03 min
 Lab File: BG034036.D
 Acq: 27 Apr 2018 7:35

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	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





#49

Dimethylphthalate

Concen: 4.878 ng

RT: 13.91 min Scan# 1807

Delta R.T. -0.03 min

Lab File: BG034036.D

Acq: 27 Apr 2018 7:35

Instrument :

BNA_G

ClientSampleId :

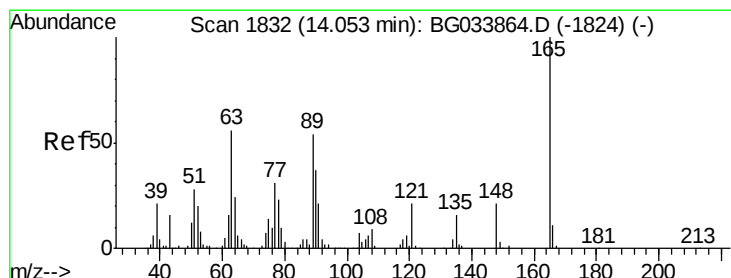
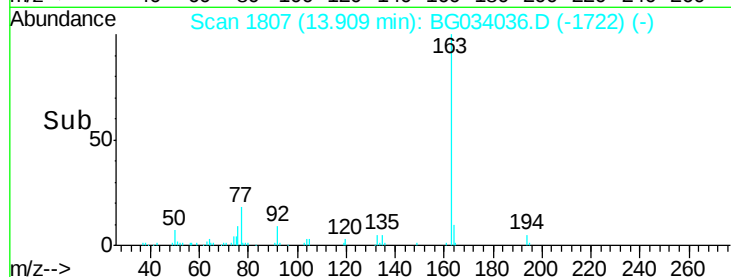
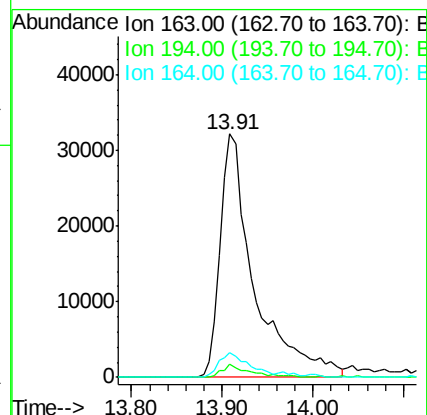
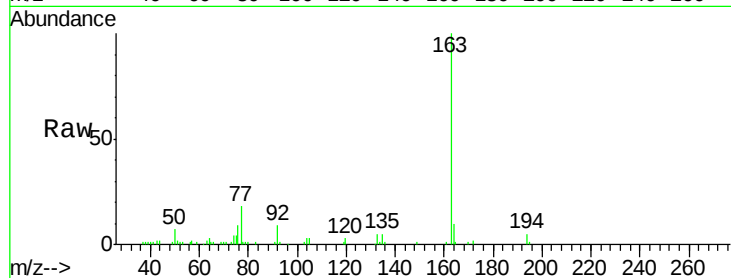
Tot Ion:163 Resp: 83961

Ion Ratio Lower Upper

163 100

194 5.4 3.4 5.2#

164 10.6 8.2 12.4



#50

2,6-Dinitrotoluene

Concen: 7.612 ng

RT: 14.44 min Scan# 1898

Delta R.T. 0.39 min

Lab File: BG034036.D

Acq: 27 Apr 2018 7:35

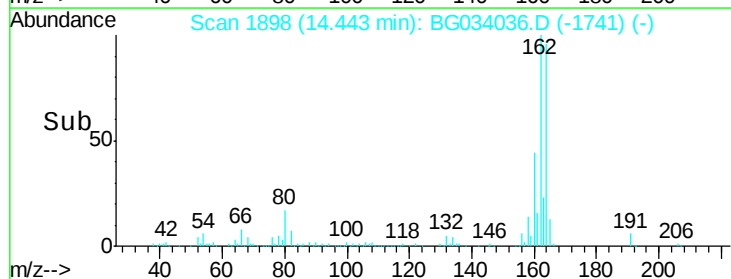
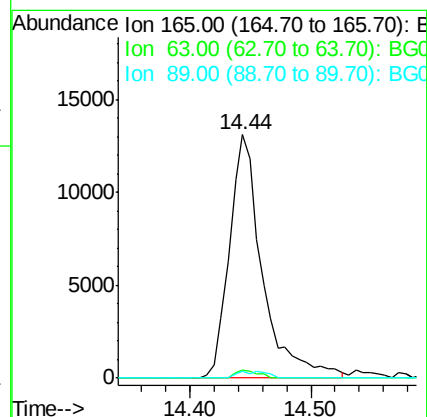
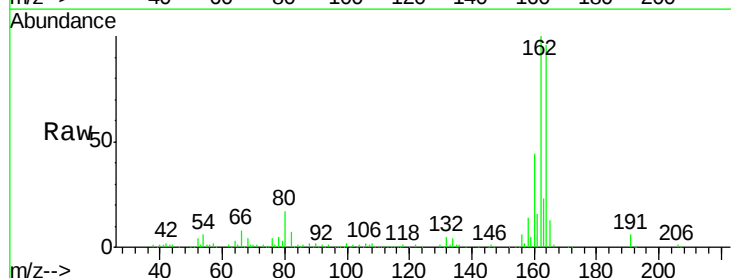
Tgt Ion:165 Resp: 24828

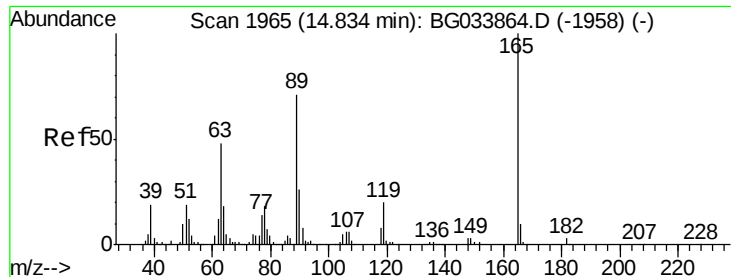
Ion Ratio Lower Upper

165 100

63 3.2 52.7 79.1#

89 2.6 49.2 73.8#

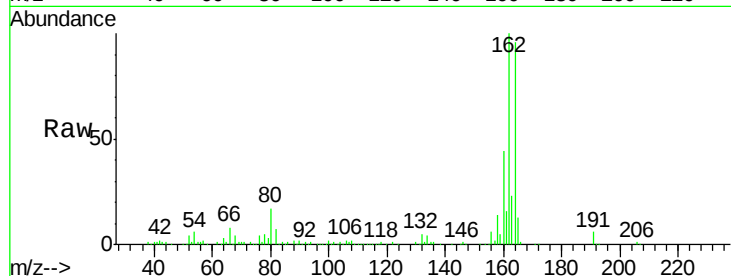




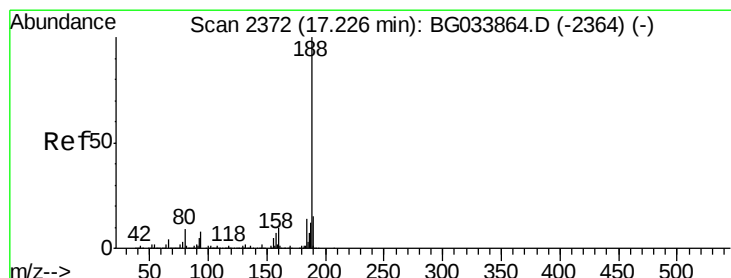
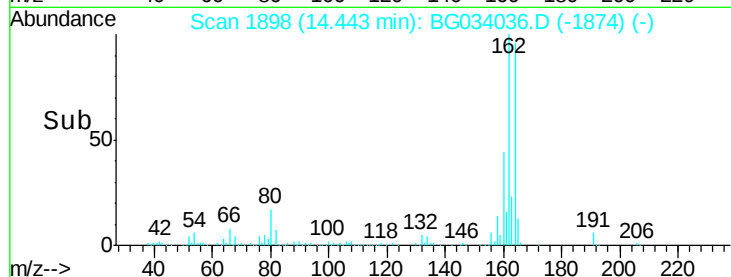
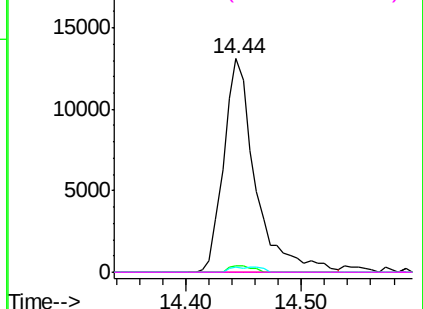
#56
 2,4-Dinitrotoluene
 Concen: 5.738 ng
 RT: 14.44 min Scan# 1898
 Delta R.T. -0.39 min
 Lab File: BG034036.D
 Acq: 27 Apr 2018 7:35

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 24888
 Ion Ratio Lower Upper
 165 100
 63 3.2 42.0 63.0#
 89 2.6 66.9 100.3#
 182 0.0 2.6 3.8#

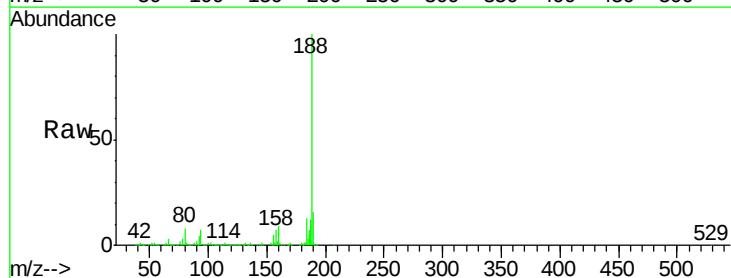


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

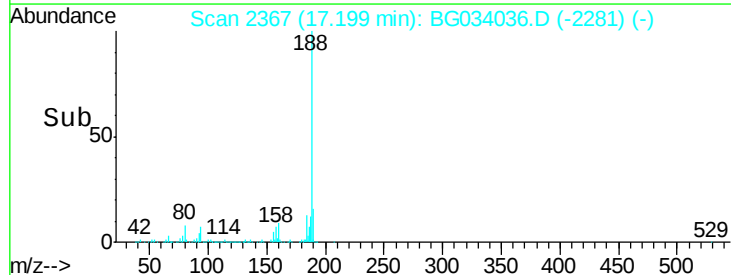
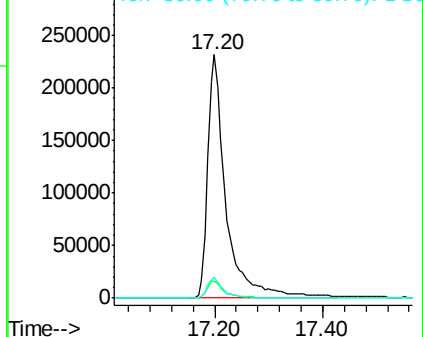


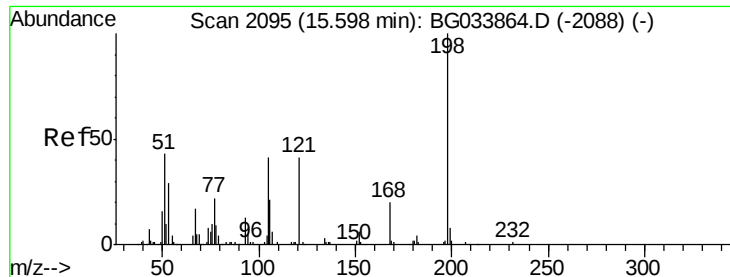
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.20 min Scan# 2367
 Delta R.T. -0.03 min
 Lab File: BG034036.D
 Acq: 27 Apr 2018 7:35

Tgt Ion:188 Resp: 544950
 Ion Ratio Lower Upper
 188 100
 94 7.1 6.9 10.3
 80 8.5 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

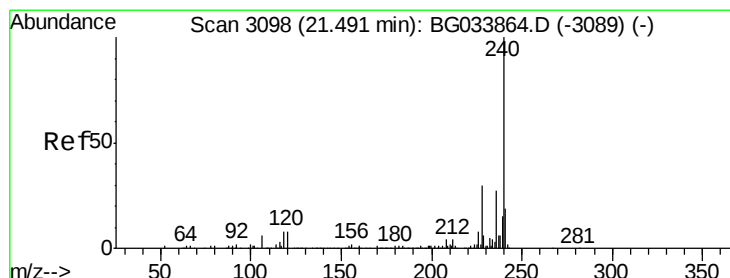
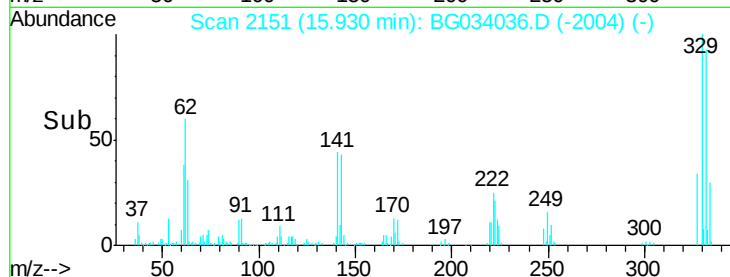
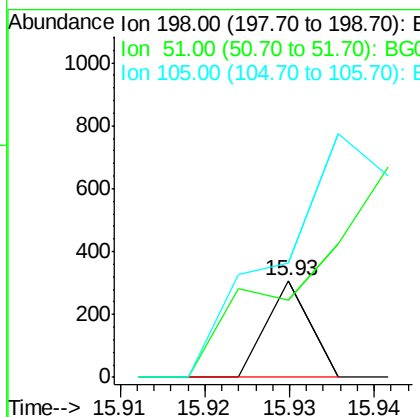
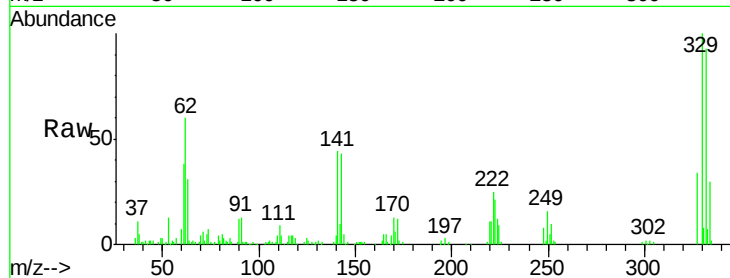




#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.525 ng
 RT: 15.93 min Scan# 2151
 Delta R.T. 0.33 min
 Lab File: BG034036.D
 Acq: 27 Apr 2018 7:35

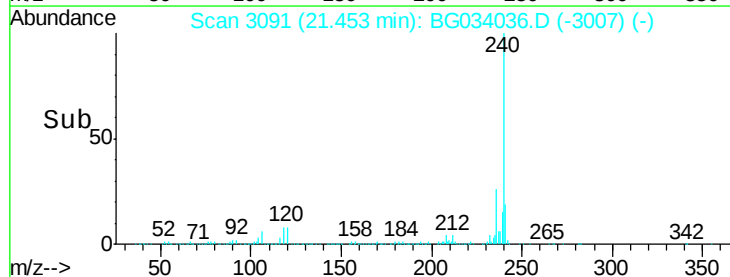
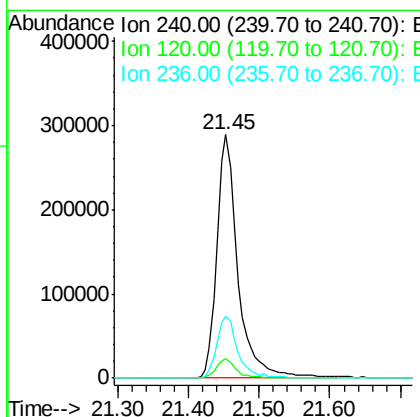
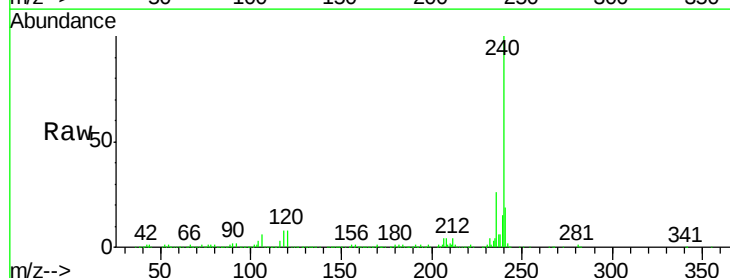
Instrument :
 BNA_G
 ClientSampled :

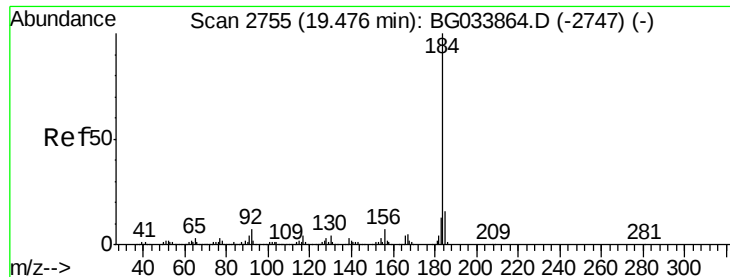
Tot Ion:198 Resp: 109
 Ion Ratio Lower Upper
 198 100
 51 22.4 30.6 70.6#
 105 32.8 23.8 63.8



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.45 min Scan# 3091
 Delta R.T. -0.04 min
 Lab File: BG034036.D
 Acq: 27 Apr 2018 7:35

Tgt Ion:240 Resp: 599544
 Ion Ratio Lower Upper
 240 100
 120 8.2 6.8 10.2
 236 25.5 20.9 31.3

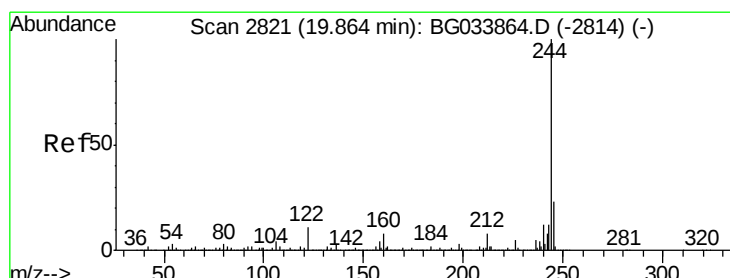
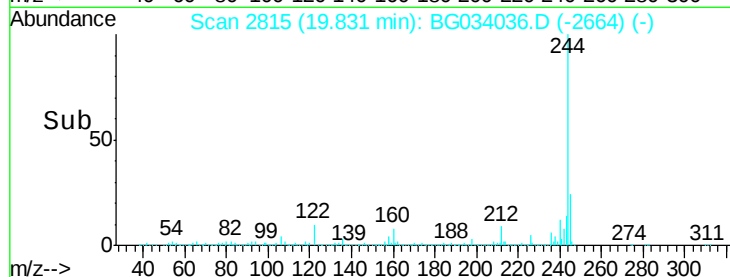
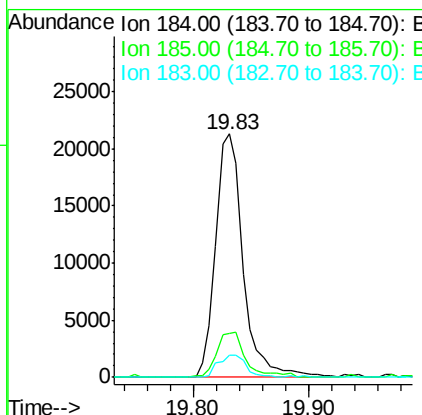
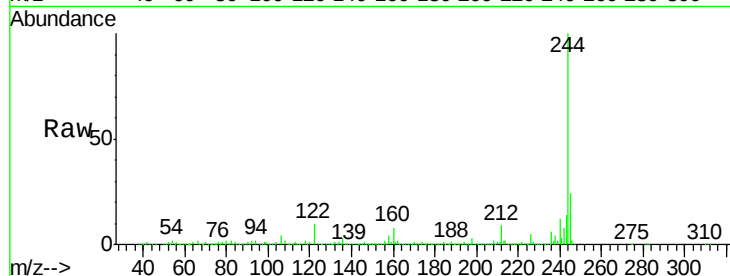




#76
Benzidine
Concen: 2.169 ng
RT: 19.83 min Scan# 2815
Delta R.T. 0.36 min
Lab File: BG034036.D
Acq: 27 Apr 2018 7:35

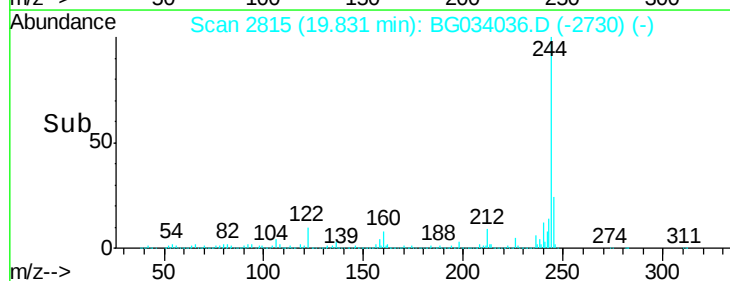
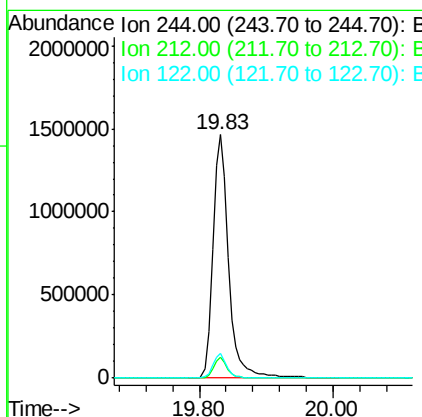
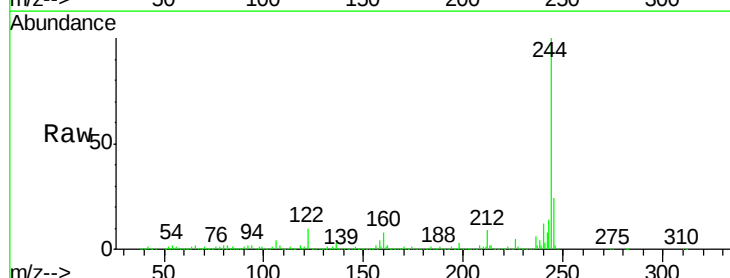
Instrument :
BNA_G
ClientSampleId :

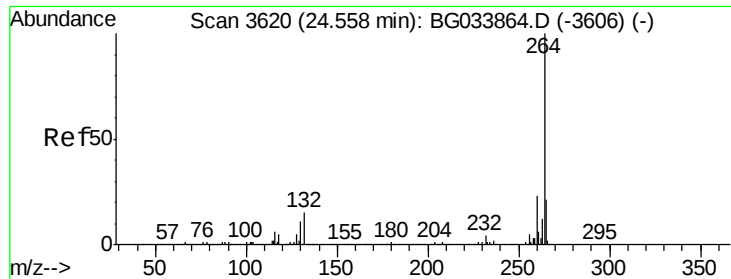
Tot Ion:184 Resp: 35109
Ion Ratio Lower Upper
184 100
185 17.8 11.1 16.7#
183 8.9 10.6 16.0#



#78
Terphenyl-d14
Concen: 90.929 ng
RT: 19.83 min Scan# 2815
Delta R.T. -0.03 min
Lab File: BG034036.D
Acq: 27 Apr 2018 7:35

Tgt Ion:244 Resp: 2426587
Ion Ratio Lower Upper
244 100
212 8.8 5.8 8.8#
122 10.1 7.0 10.4





#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.50 min Scan# 3609
Delta R.T. -0.06 min
Lab File: BG034036.D
Acq: 27 Apr 2018 7:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 264 Resp: 606453
Ion Ratio Lower Upper
264 100
260 23.7 17.4 26.0
265 22.4 17.7 26.5

