

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034049.D
 Acq On : 27 Apr 2018 21:25
 Operator : SJ/JU
 Sample : J2455-46
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 28 00:34:24 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

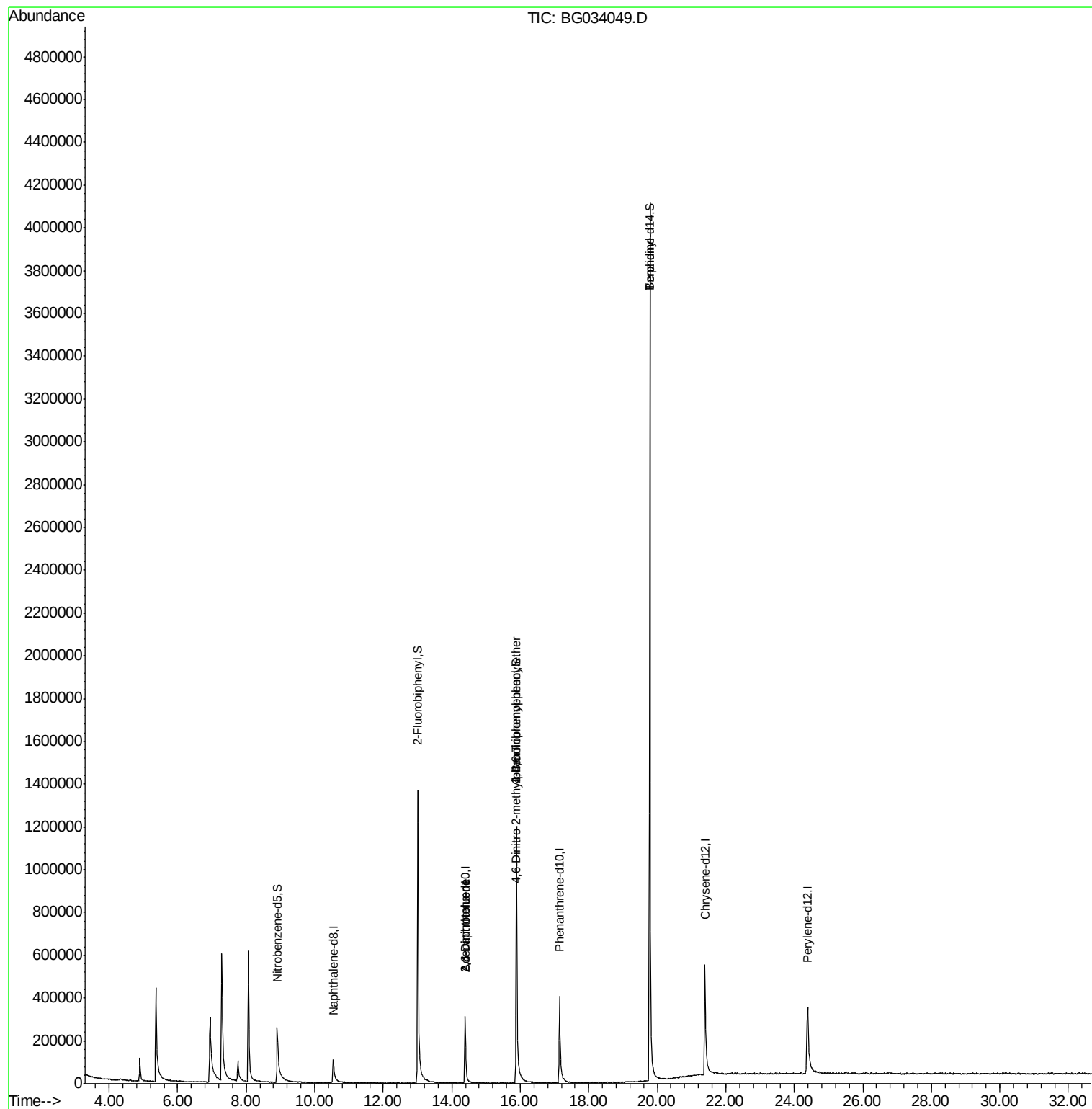
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.84
21) Naphthalene-d8	10.54	136	197738	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	151876	20.00	ng	-0.09
63) Phenanthrene-d10	17.15	188	462529	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	526090	20.00	ng	-0.10
86) Perylene-d12	24.39	264	517212	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	391206	0.00	ng	-0.08
7) Phenol-d6	6.95	99	474869	0.00	ng	-0.06
23) Nitrobenzene-d5	8.91	82	337353	97.09	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	348639	196.76	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1114884	107.84	ng	-0.09
78) Terphenyl-d14	19.78	244	2543483	108.62	ng	-0.08
Target Compounds						
50) 2,6-Dinitrotoluene	14.39	165	20469	8.085	ng	# 21
56) 2,4-Dinitrotoluene	14.39	165	20762	6.167	ng	# 19
64) 4,6-Dinitro-2-methylphenol	15.87	198	262	6.591	ng	# 53
66) 4-Bromophenyl-phenylether	15.89	248	21791	4.290	ng	# 1
76) Benzidine	19.78	184	37253	2.622	ng	# 94

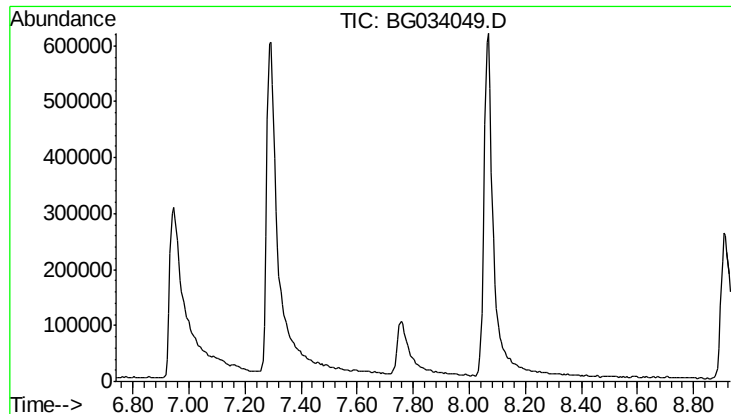
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 7.84 min

Lab File: BG034049.D

Acq: 27 Apr 2018 21:25

Instrument :

BNA_G

ClientSampleId :

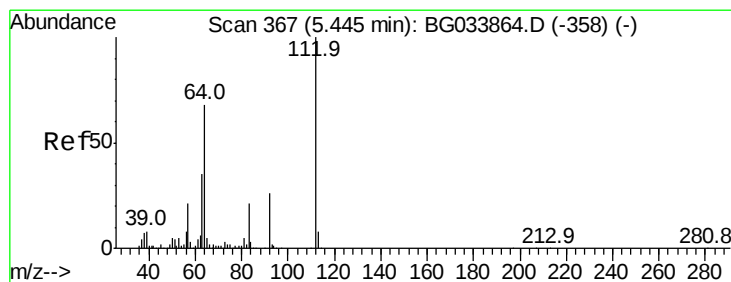
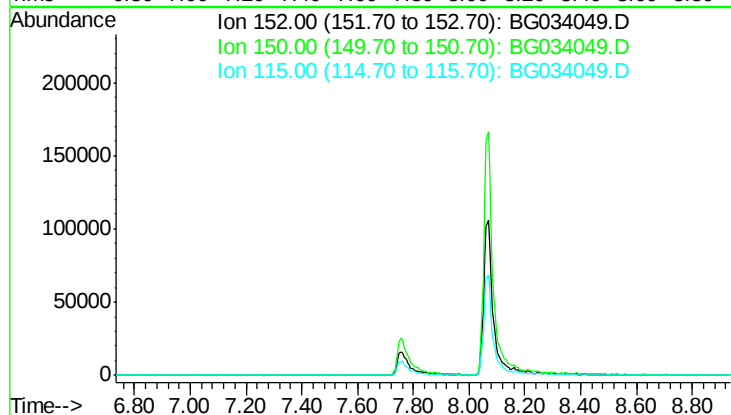
Tot Ion: 152

Sig Exp Ratio

152 100

150 158.2

115 66.2



#5

2-Fluorophenol

Concen: 0.000 ng

RT: 5.37 min Scan# 353

Delta R.T. -0.08 min

Lab File: BG034049.D

Acq: 27 Apr 2018 21:25

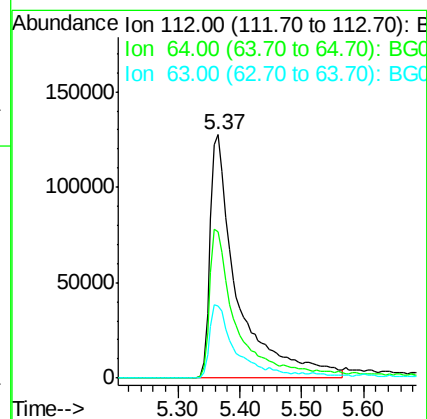
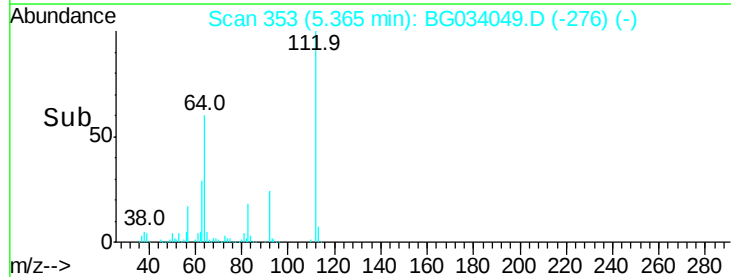
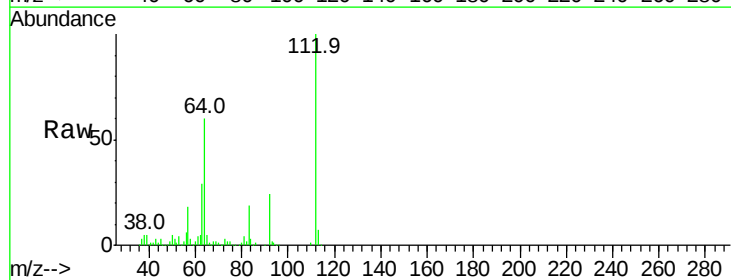
Tgt Ion:112 Resp: 391206

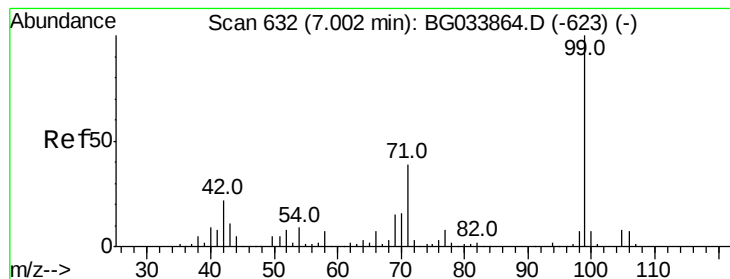
Ion Ratio Lower Upper

112 100

64 60.3 56.3 84.5

63 29.4 30.1 45.1#





#7

Phenol-d6

Concen: 0.000 ng

RT: 6.95 min Scan# 622

Delta R.T. -0.06 min

Lab File: BG034049.D

Acq: 27 Apr 2018 21:25

Instrument :

BNA_G

ClientSampled :

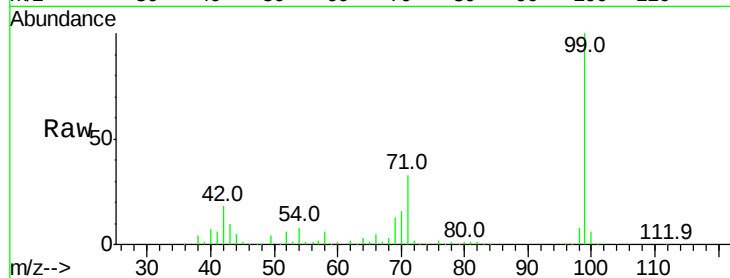
Tot Ion: 99 Resp: 474869

Ion Ratio Lower Upper

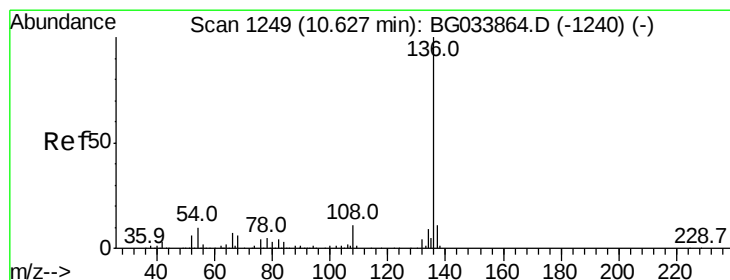
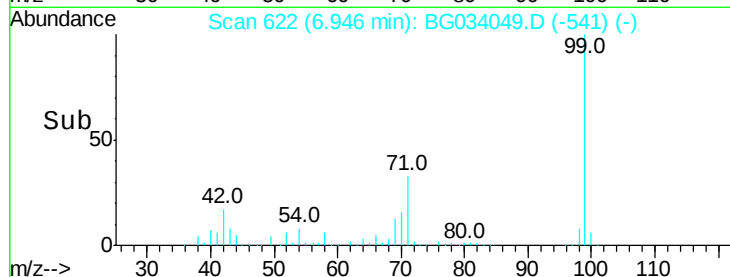
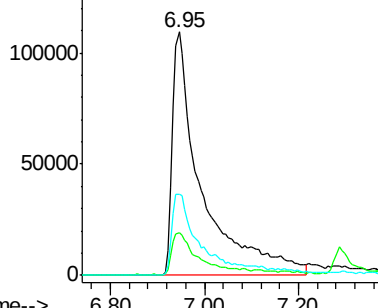
99 100

42 17.5 14.1 21.1

71 33.2 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.54 min Scan# 1234

Delta R.T. -0.09 min

Lab File: BG034049.D

Acq: 27 Apr 2018 21:25

Tgt Ion: 136 Resp: 197738

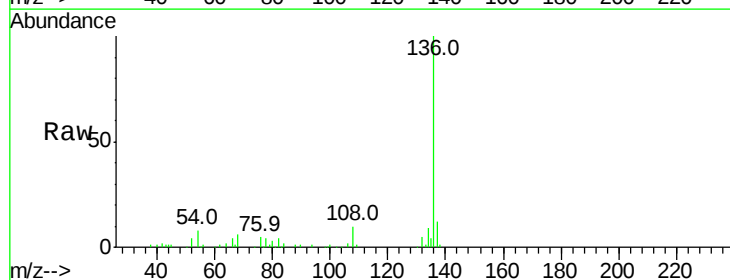
Ion Ratio Lower Upper

136 100

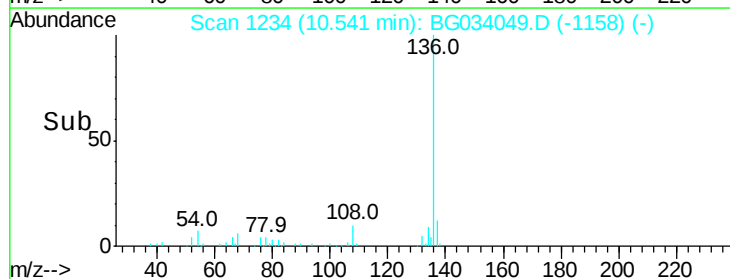
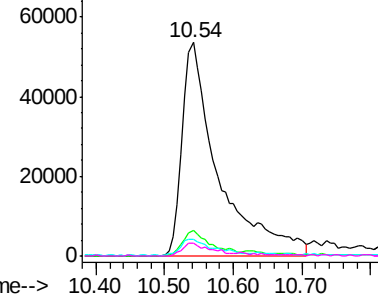
137 12.0 9.2 13.8

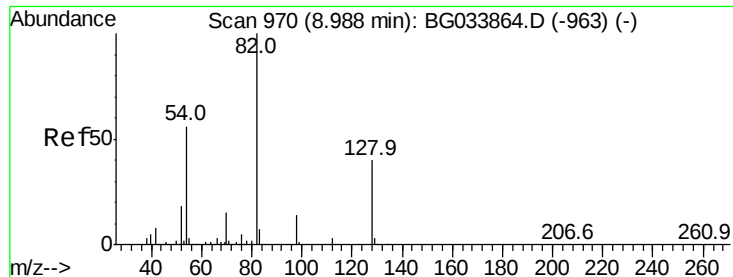
54 7.9 10.3 15.5#

68 6.1 4.5 6.7



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

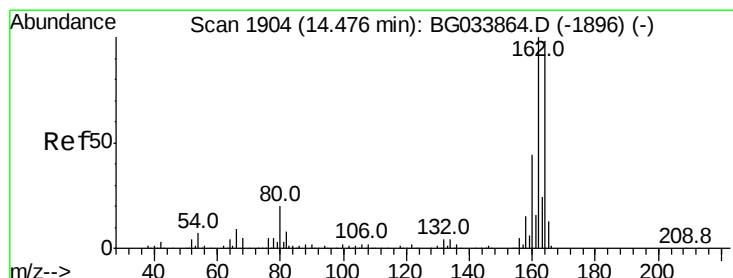
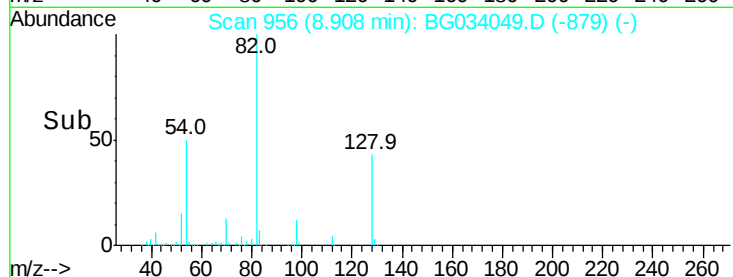
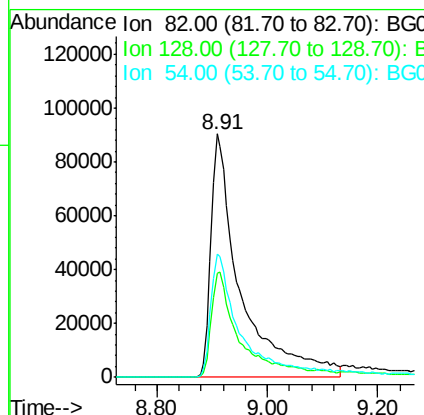
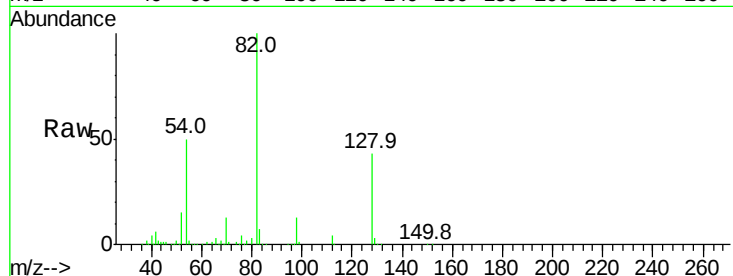




#23
 Nitrobenzene-d5
 Concen: 97.091 ng
 RT: 8.91 min Scan# 956
 Delta R.T. -0.08 min
 Lab File: BG034049.D
 Acq: 27 Apr 2018 21:25

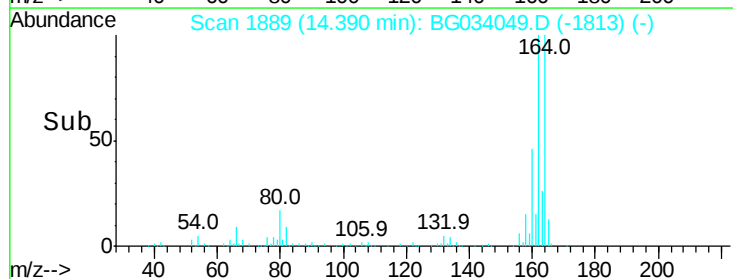
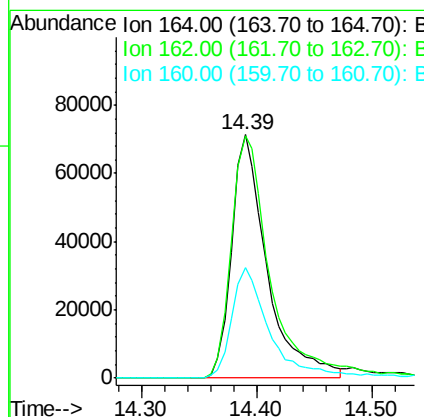
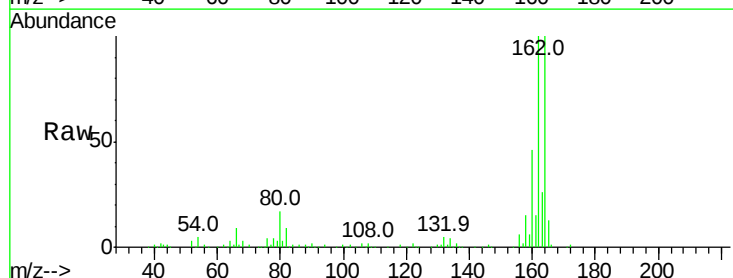
Instrument :
 BNA_G
 ClientSampled :

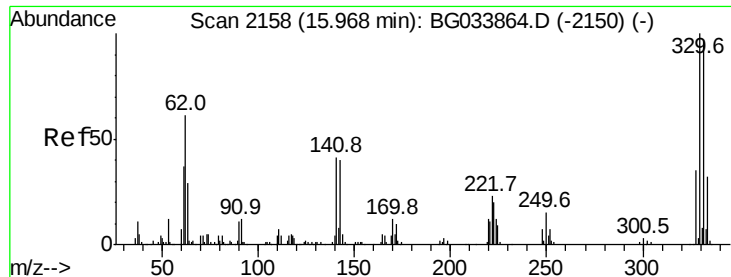
Tot Ion	82	Resp	337353
Ion Ratio	100	Lower	Upper
128	42.6	29.7	44.5
54	50.5	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.39 min Scan# 1889
 Delta R.T. -0.09 min
 Lab File: BG034049.D
 Acq: 27 Apr 2018 21:25

Tgt Ion	164	Resp	151876
Ion Ratio	100	Lower	Upper
162	99.5	78.8	118.2
160	45.6	35.4	53.0

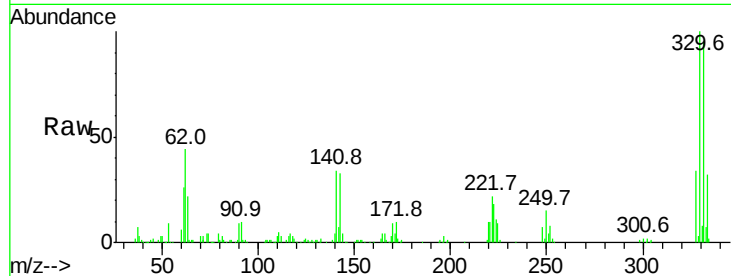




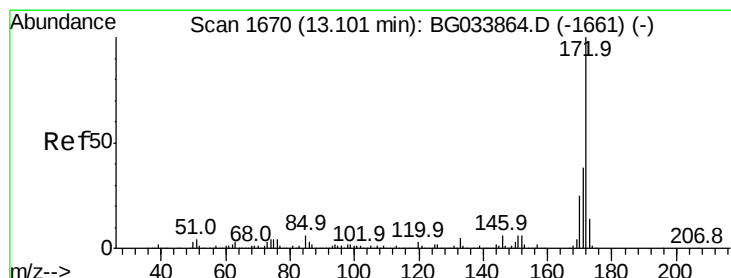
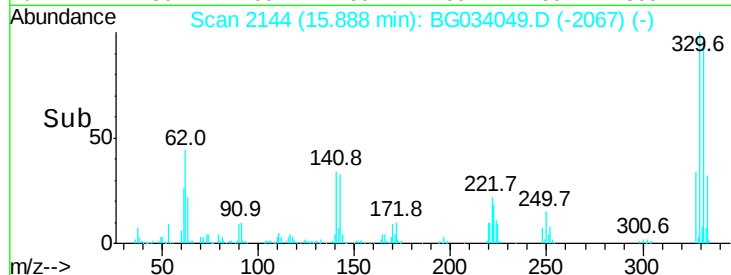
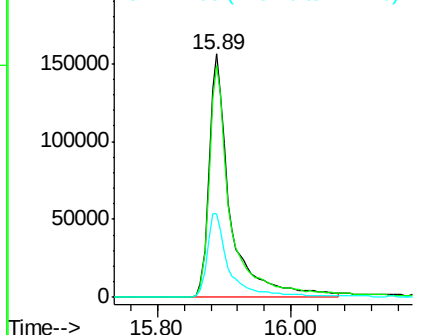
#41
 2,4,6-Tribromophenol
 Concen: 196.763 ng
 RT: 15.89 min Scan# 2144
 Delta R.T. -0.08 min
 Lab File: BG034049.D
 Acq: 27 Apr 2018 21:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 348639
 Ion Ratio Lower Upper
 330 100
 332 96.1 77.0 115.6
 141 34.9 25.2 37.8

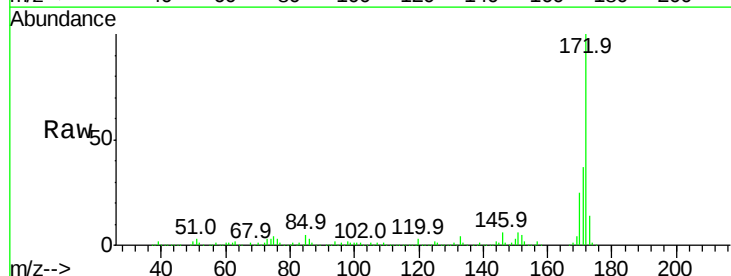


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

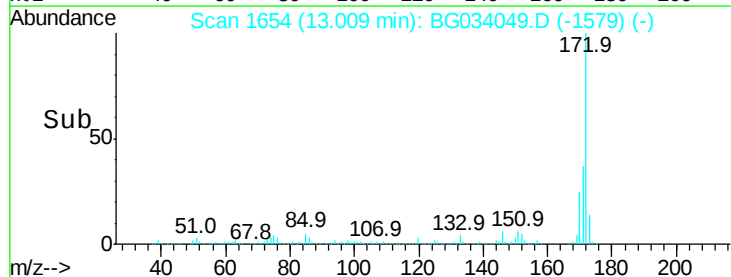
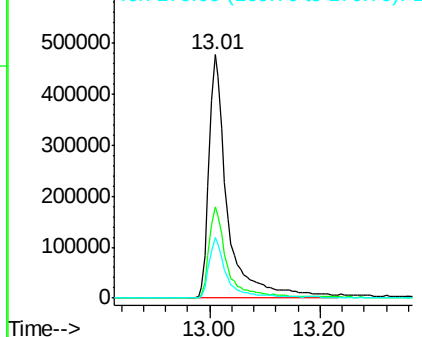


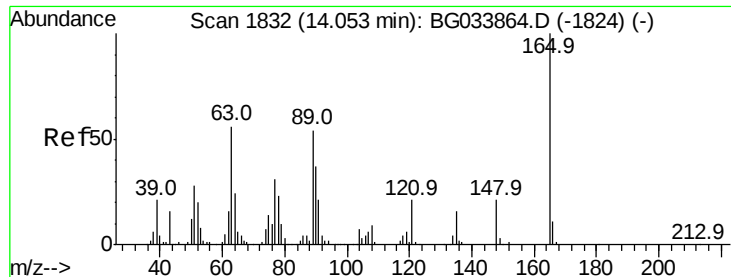
#44
 2-Fluorobiphenyl
 Concen: 107.837 ng
 RT: 13.01 min Scan# 1654
 Delta R.T. -0.09 min
 Lab File: BG034049.D
 Acq: 27 Apr 2018 21:25

Tgt Ion:172 Resp: 1114884
 Ion Ratio Lower Upper
 172 100
 171 37.5 30.0 45.0
 170 24.7 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





#50

2,6-Dinitrotoluene

Concen: 8.085 ng

RT: 14.39 min Scan# 1889

Delta R.T. 0.34 min

Lab File: BG034049.D

Acq: 27 Apr 2018 21:25

Instrument :

BNA_G

ClientSampleId :

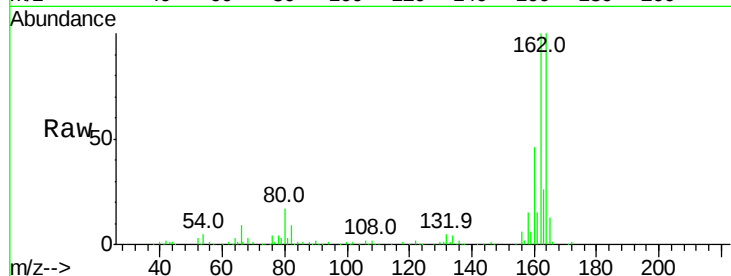
Tot Ion:165 Resp: 20469

Ion Ratio Lower Upper

165 100

63 2.2 52.7 79.1#

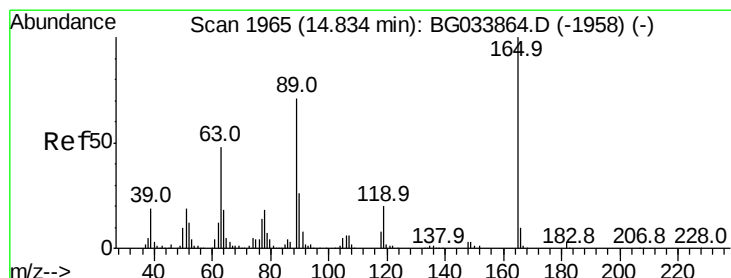
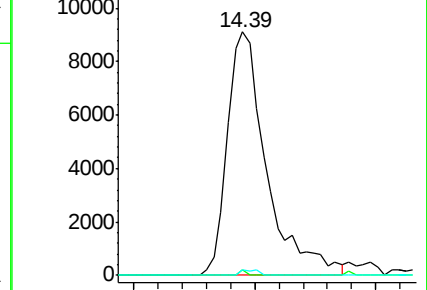
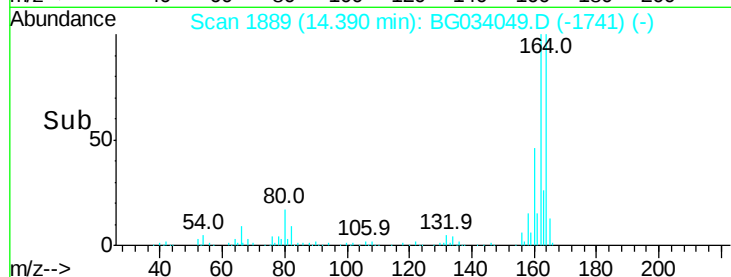
89 2.1 49.2 73.8#



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



#56

2,4-Dinitrotoluene

Concen: 6.167 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.44 min

Lab File: BG034049.D

Acq: 27 Apr 2018 21:25

Tgt Ion:165 Resp: 20762

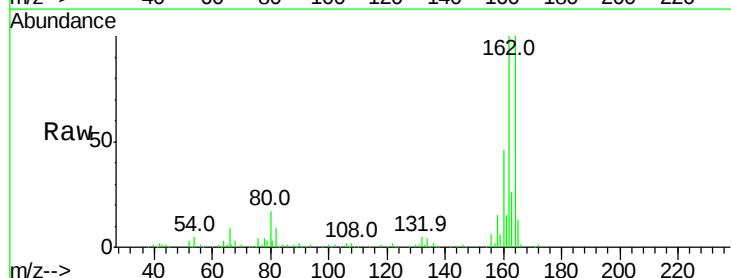
Ion Ratio Lower Upper

165 100

63 2.2 42.0 63.0#

89 2.1 66.9 100.3#

182 0.0 2.6 3.8#

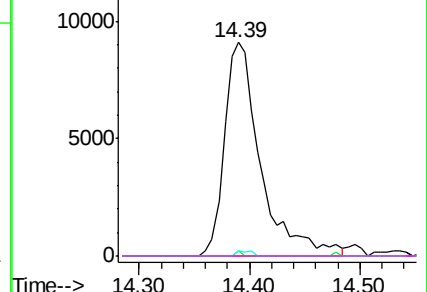
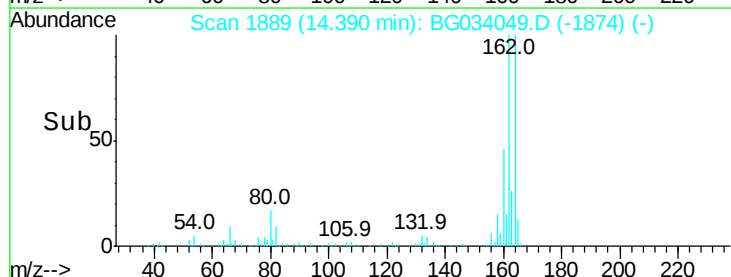


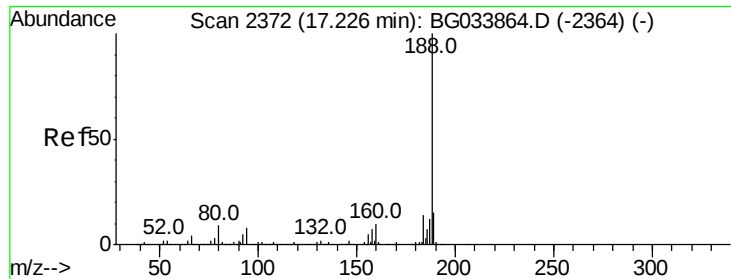
Abundance Ion 165.00 (164.70 to 165.70): E

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

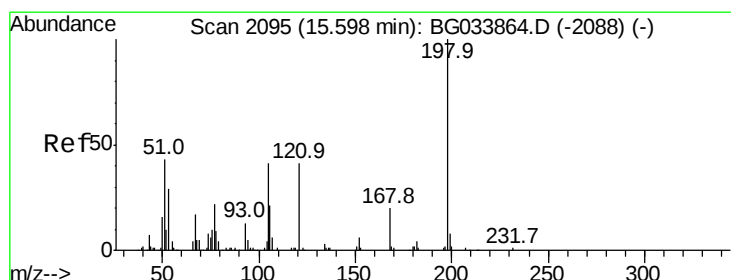
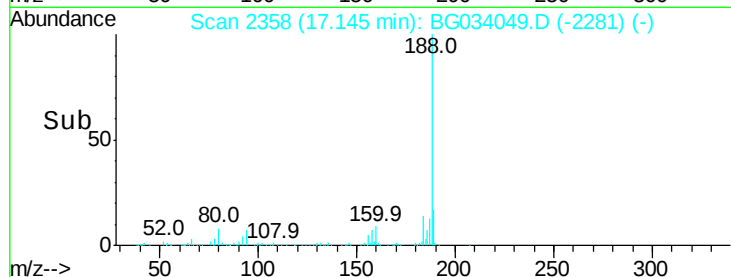
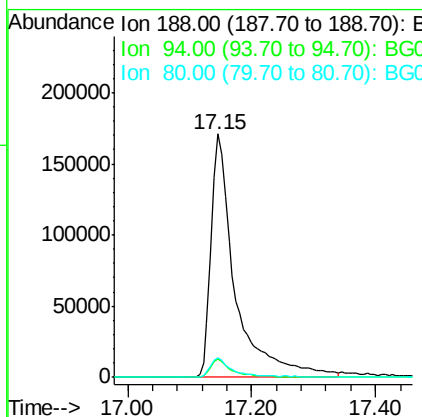
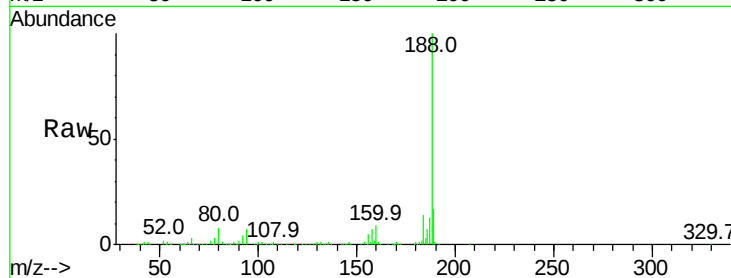




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.15 min Scan# 2358
 Delta R.T. -0.08 min
 Lab File: BG034049.D
 Acq: 27 Apr 2018 21:25

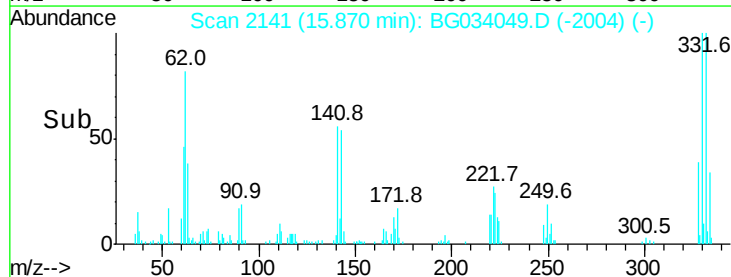
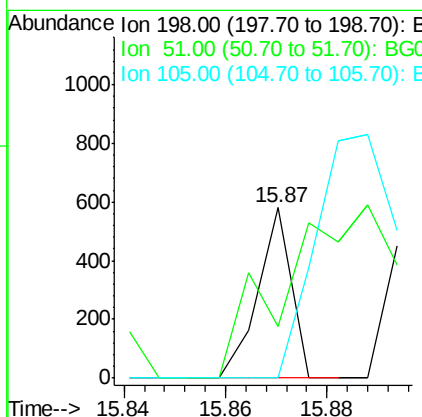
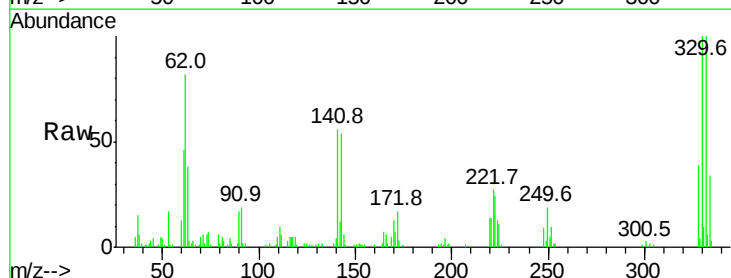
Instrument :
 BNA_G
 ClientSampleId :

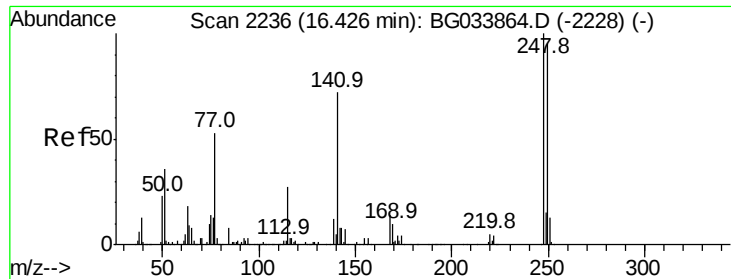
Tot Ion:188 Resp: 462529
 Ion Ratio Lower Upper
 188 100
 94 7.3 6.9 10.3
 80 8.2 7.7 11.5



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.591 ng
 RT: 15.87 min Scan# 2141
 Delta R.T. 0.27 min
 Lab File: BG034049.D
 Acq: 27 Apr 2018 21:25

Tgt Ion:198 Resp: 262
 Ion Ratio Lower Upper
 198 100
 51 30.0 30.6 70.6#
 105 0.0 23.8 63.8#

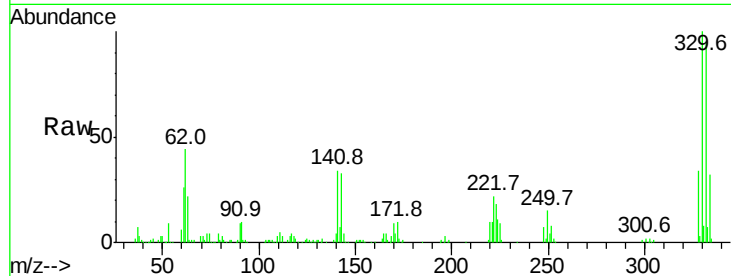




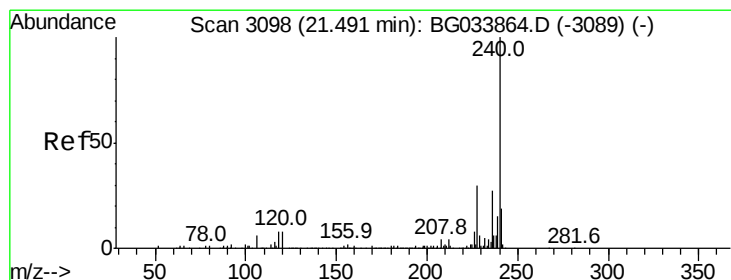
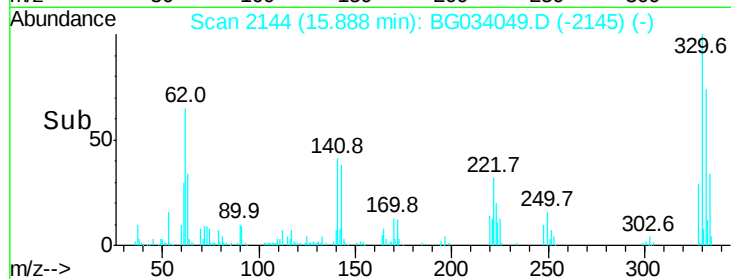
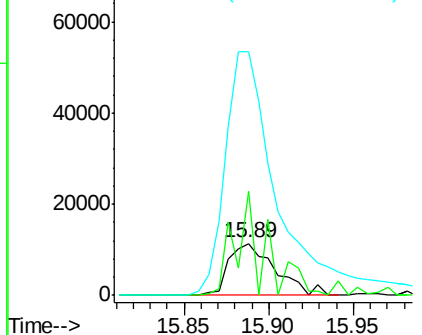
#66
 4-Bromophenyl-phenylether
 Concen: 4.290 ng
 RT: 15.89 min Scan# 2144
 Delta R.T. -0.54 min
 Lab File: BG034049.D
 Acq: 27 Apr 2018 21:25

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 21791
 Ion Ratio Lower Upper
 248 100
 250 205.4 77.1 115.7#
 141 372.7 50.8 76.2#

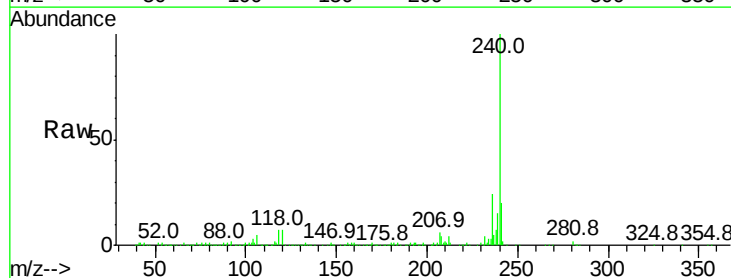


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

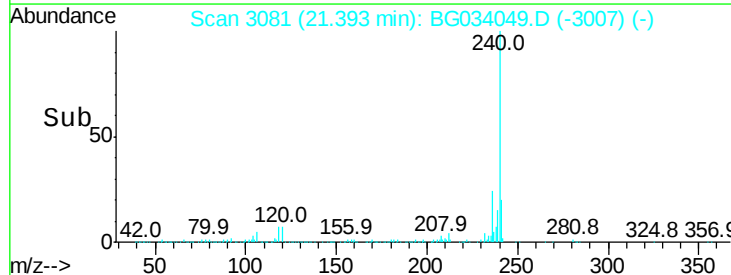
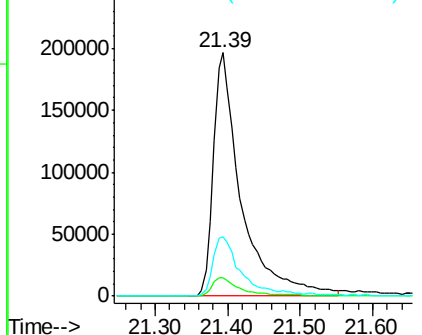


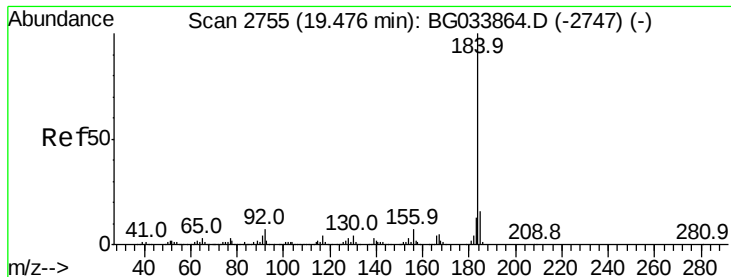
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.39 min Scan# 3081
 Delta R.T. -0.10 min
 Lab File: BG034049.D
 Acq: 27 Apr 2018 21:25

Tgt Ion:240 Resp: 526090
 Ion Ratio Lower Upper
 240 100
 120 7.4 6.8 10.2
 236 24.5 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: 2.622 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.31 min

Lab File: BG034049.D

Acq: 27 Apr 2018 21:25

Instrument :

BNA_G

ClientSampleId :

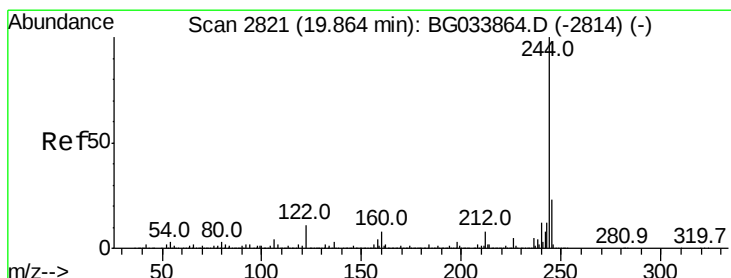
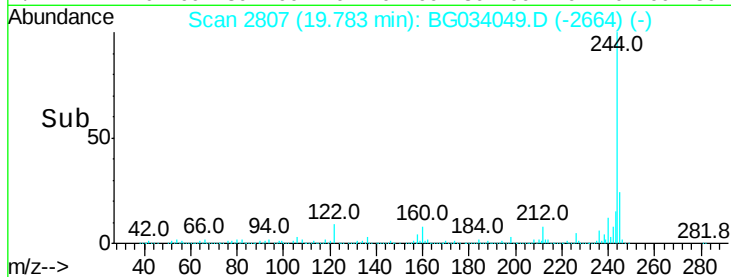
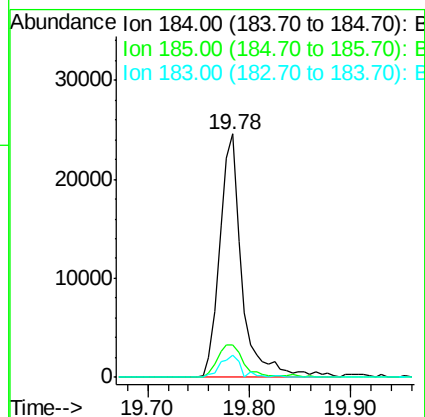
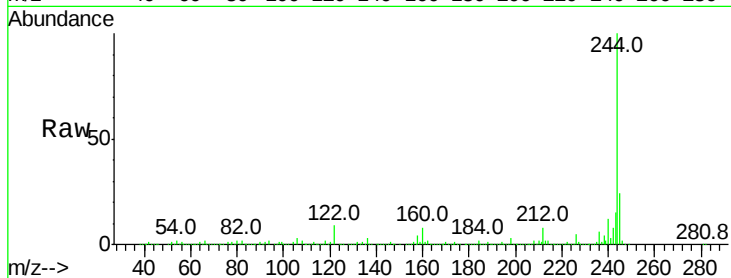
Tot Ion:184 Resp: 37253

Ion Ratio Lower Upper

184 100

185 13.3 11.1 16.7

183 9.2 10.6 16.0#



#78

Terphenyl-d14

Concen: 108.617 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034049.D

Acq: 27 Apr 2018 21:25

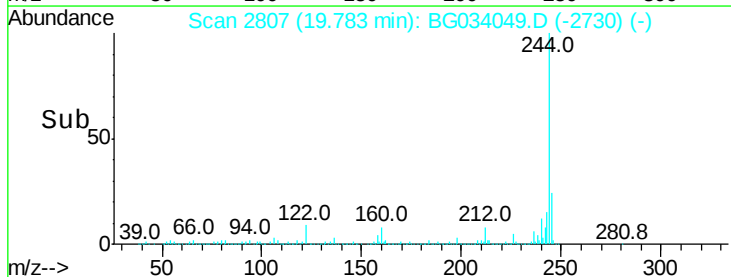
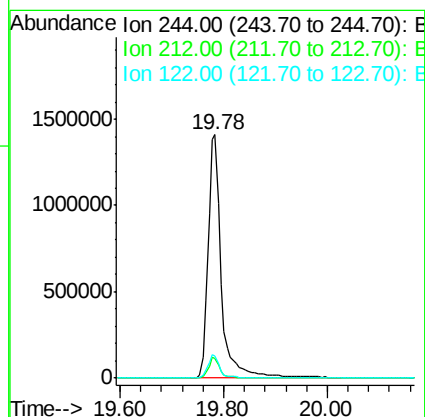
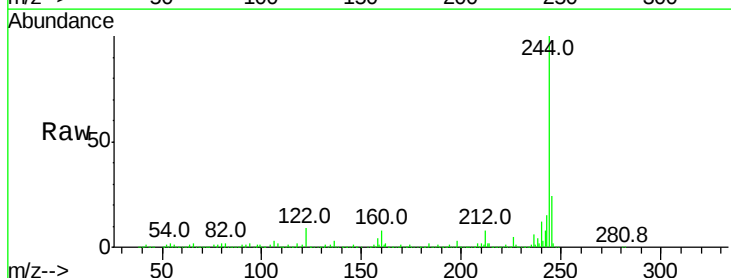
Tgt Ion:244 Resp: 2543483

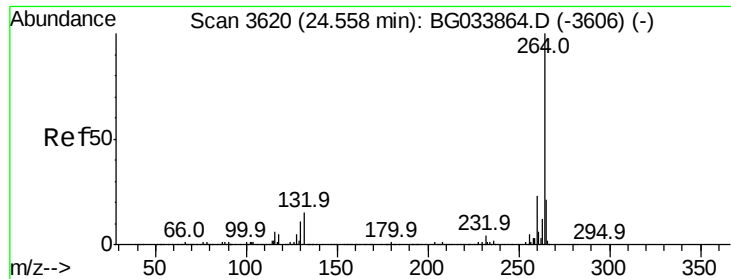
Ion Ratio Lower Upper

244 100

212 8.3 5.8 8.8

122 9.0 7.0 10.4

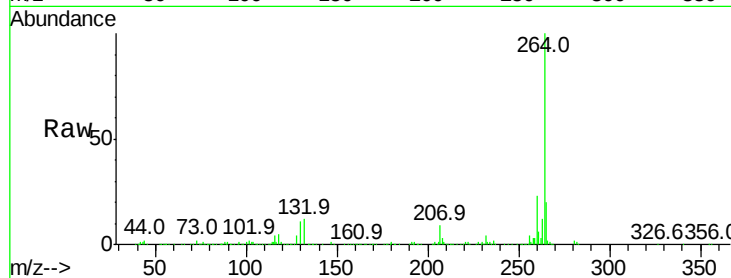




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.39 min Scan# 3591
Delta R.T. -0.17 min
Lab File: BG034049.D
Acq: 27 Apr 2018 21:25

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 517212
Ion Ratio Lower Upper
264 100
260 23.2 17.4 26.0
265 20.0 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

