

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034039.D
 Acq On : 27 Apr 2018 15:05
 Operator : SJ/JU
 Sample : J2154-02
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 28 00:28:16 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

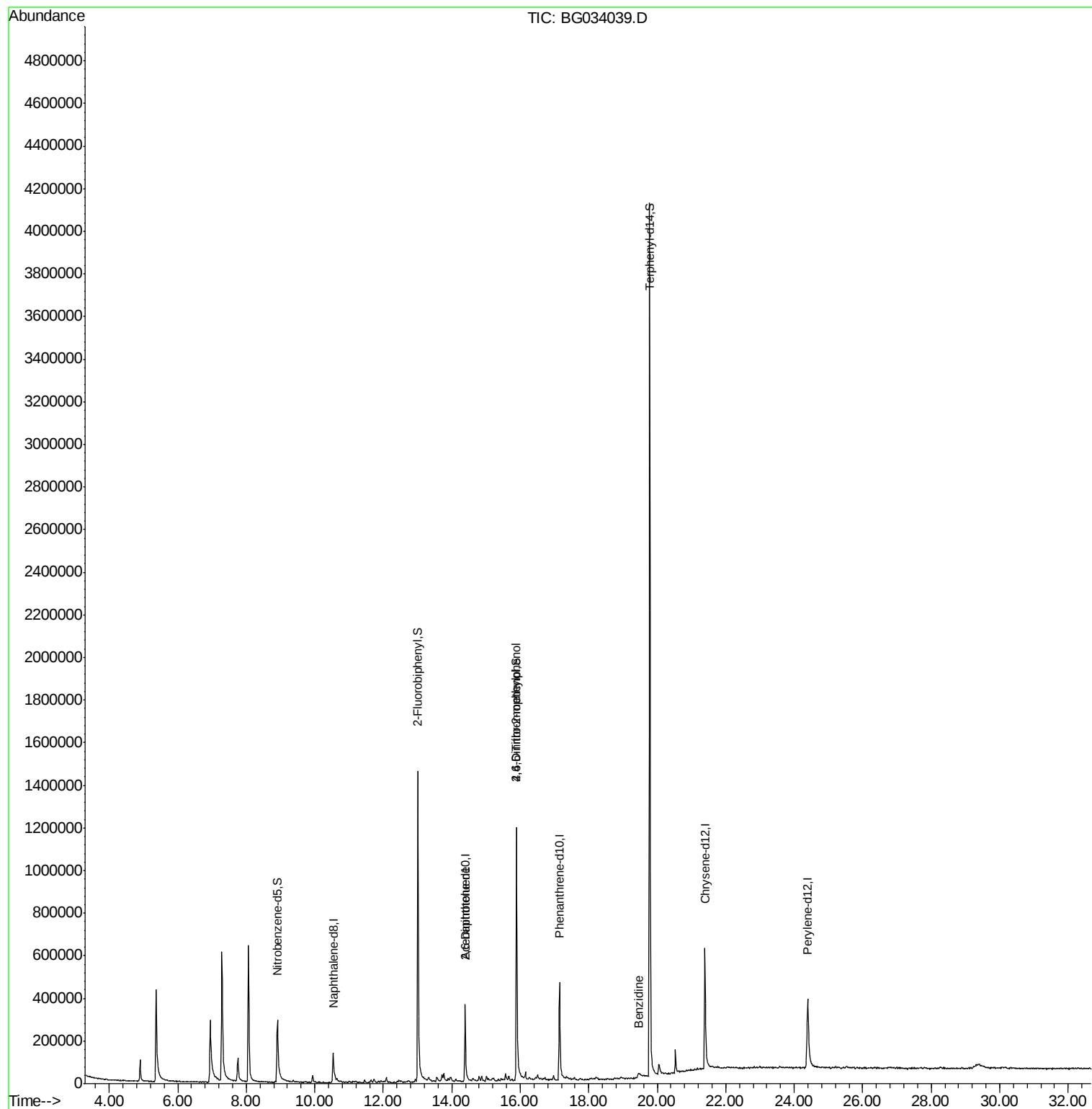
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.84
21) Naphthalene-d8	10.54	136	212306	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	156363	20.00	ng	-0.08
63) Phenanthrene-d10	17.15	188	440575	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	497128	20.00	ng	-0.10
86) Perylene-d12	24.39	264	488245	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.37	112	356795	0.00	ng	-0.08
7) Phenol-d6	6.95	99	394135	0.00	ng	-0.05
23) Nitrobenzene-d5	8.91	82	324302	86.93	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	326595	179.03	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1054080	99.03	ng	-0.09
78) Terphenyl-d14	19.78	244	2299401	103.91	ng	-0.08
Target Compounds						
50) 2,6-Dinitrotoluene	14.39	165	20380	7.819	ng	# 21
64) 4,6-Dinitro-2-methylphenol	15.88	198	1878	7.255	ng	# 76
76) Benzidine	19.44	184	49994	3.724	ng	# 94

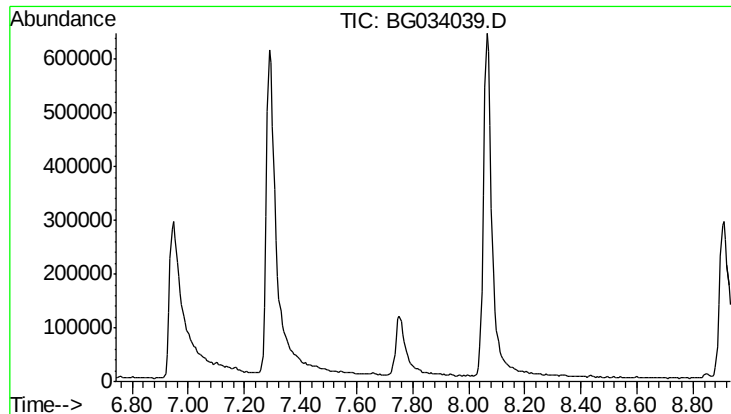
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.000 ng

Expected RT: 7.84 min

Lab File: BG034039.D

Acq: 27 Apr 2018 15:05

Instrument :

BNA_G

ClientSampleId :

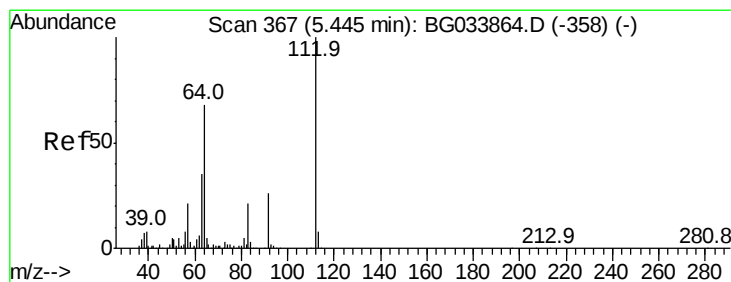
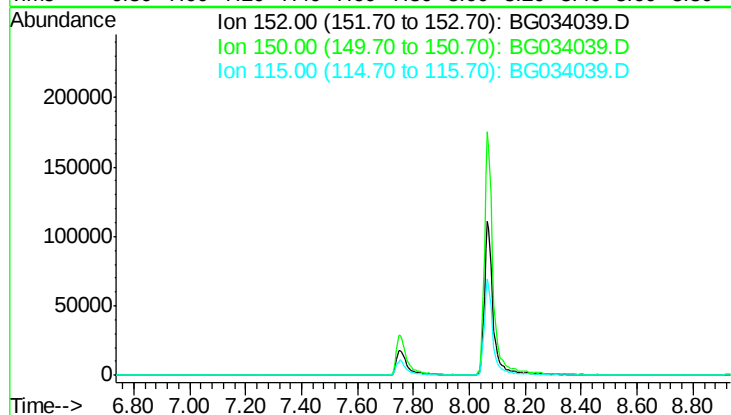
Tot Ion: 152

Sig Exp Ratio

152 100

150 158.2

115 66.2



#5

2-Fluorophenol

Concen: 0.000 ng

RT: 5.37 min Scan# 354

Delta R.T. -0.08 min

Lab File: BG034039.D

Acq: 27 Apr 2018 15:05

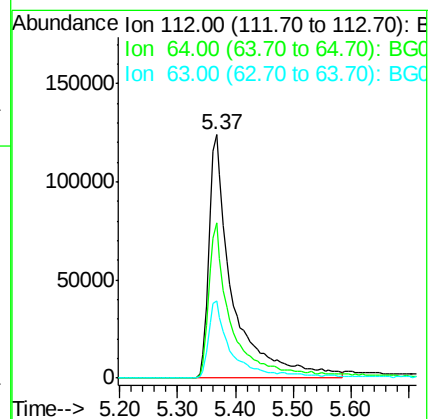
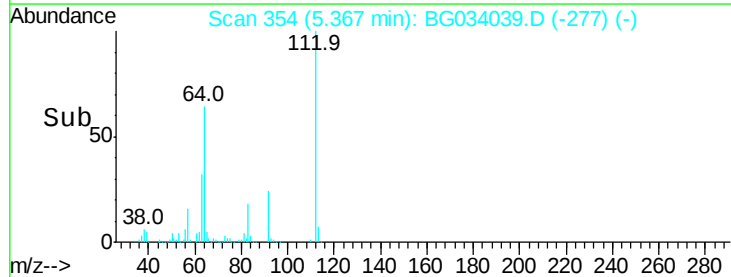
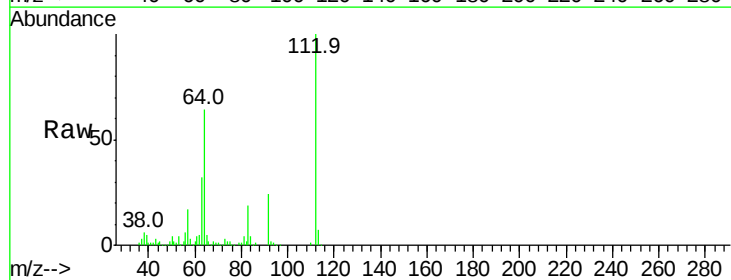
Tgt Ion:112 Resp: 356795

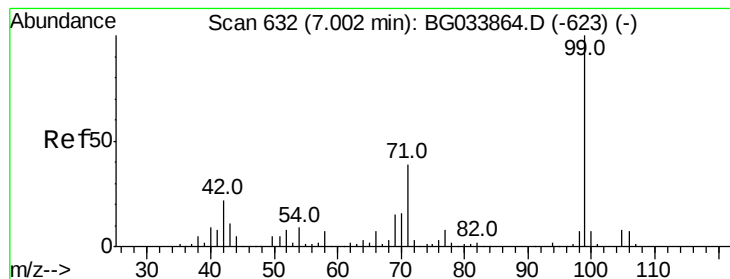
Ion Ratio Lower Upper

112 100

64 63.7 56.3 84.5

63 31.8 30.1 45.1





#7

Phenol-d6

Concen: 0.000 ng

RT: 6.95 min Scan# 623

Delta R.T. -0.05 min

Lab File: BG034039.D

Acq: 27 Apr 2018 15:05

Instrument :

BNA_G

ClientSampleId :

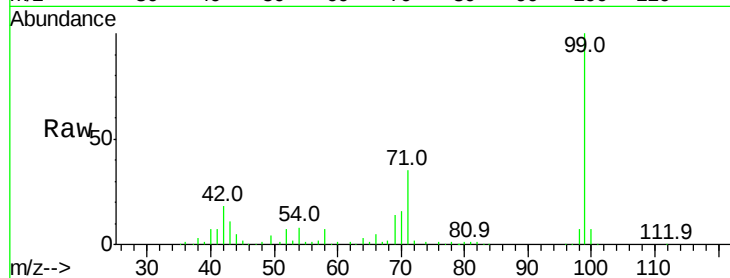
Tot Ion: 99 Resp: 394135

Ion Ratio Lower Upper

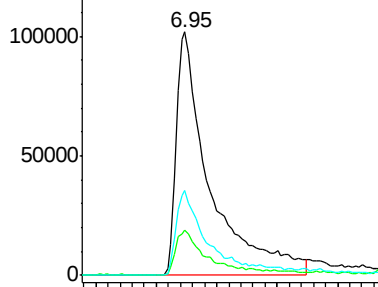
99 100

42 18.4 14.1 21.1

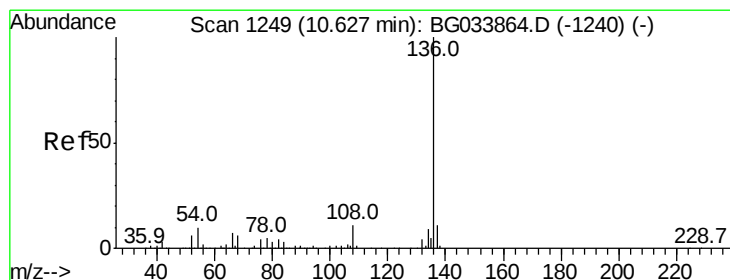
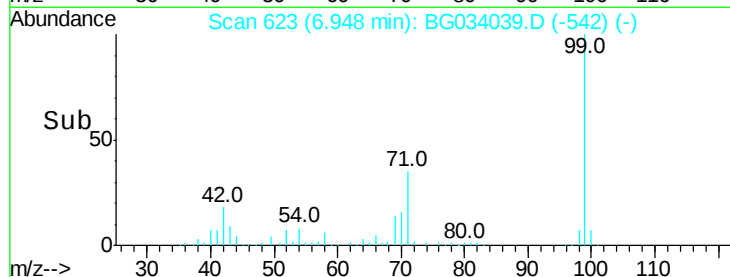
71 34.9 26.1 39.1



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



Time--> 6.80 6.90 7.00 7.10 7.20



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.54 min Scan# 1234

Delta R.T. -0.09 min

Lab File: BG034039.D

Acq: 27 Apr 2018 15:05

Tgt Ion: 136 Resp: 212306

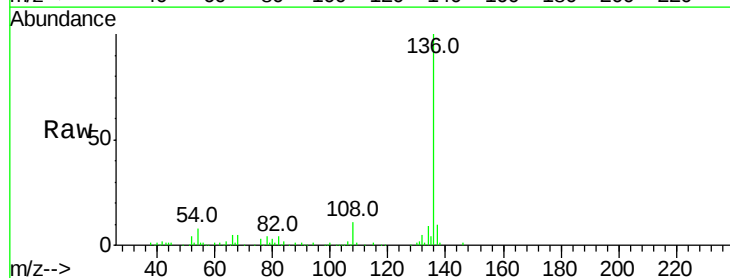
Ion Ratio Lower Upper

136 100

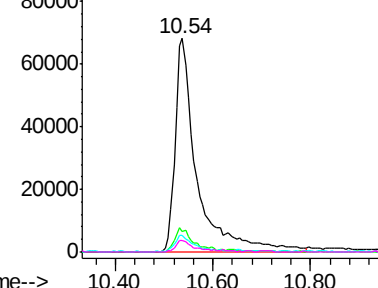
137 9.6 9.2 13.8

54 8.0 10.3 15.5#

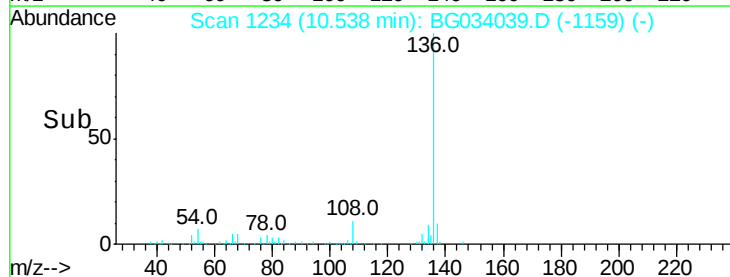
68 5.2 4.5 6.7

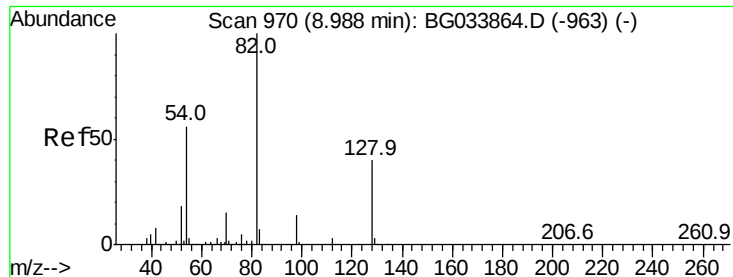


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC



Time--> 10.40 10.60 10.80

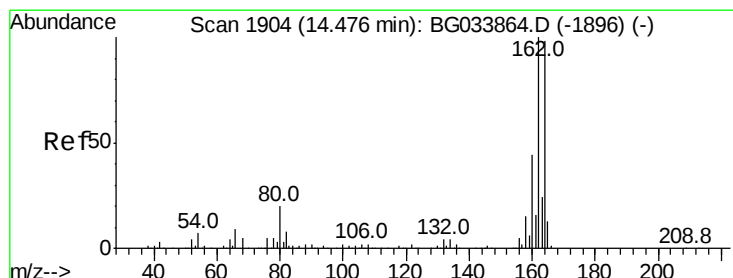
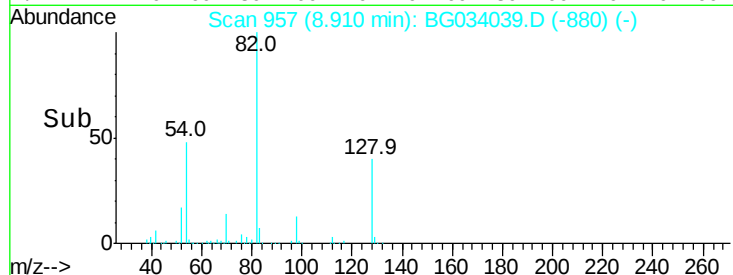
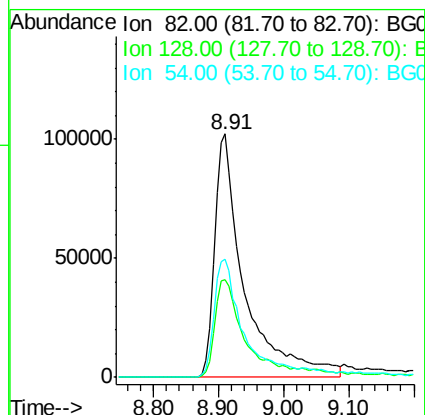
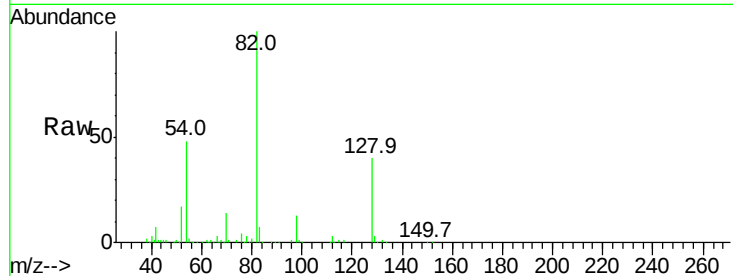




#23
 Nitrobenzene-d5
 Concen: 86.931 ng
 RT: 8.91 min Scan# 957
 Delta R.T. -0.08 min
 Lab File: BG034039.D
 Acq: 27 Apr 2018 15:05

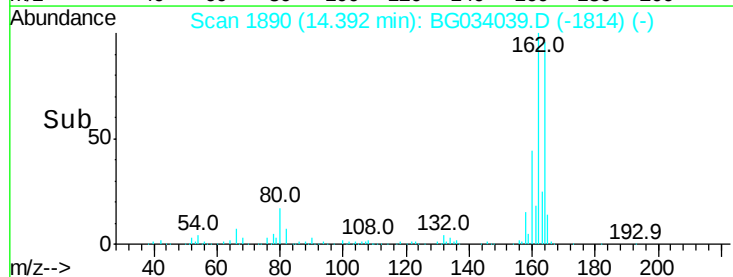
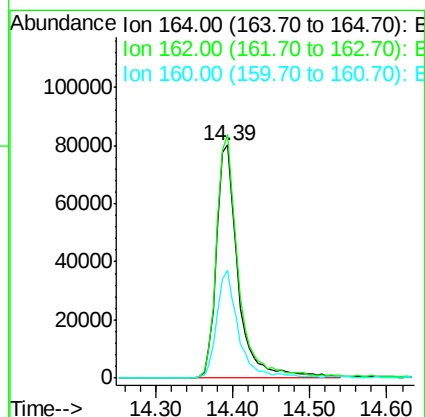
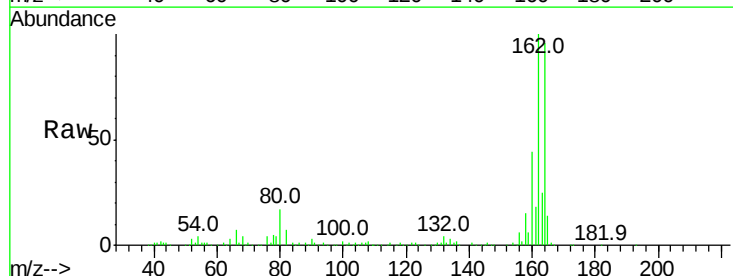
Instrument :
 BNA_G
 ClientSampleId :

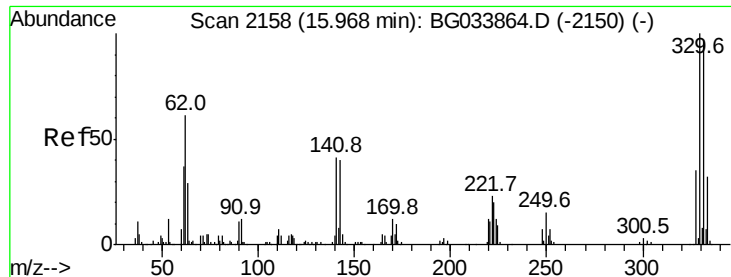
Tot Ion	82	Resp	324302
Ion	Ratio	Lower	Upper
82	100		
128	40.2	29.7	44.5
54	48.4	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.39 min Scan# 1890
 Delta R.T. -0.08 min
 Lab File: BG034039.D
 Acq: 27 Apr 2018 15:05

Tgt Ion	164	Resp	156363
Ion	Ratio	Lower	Upper
164	100		
162	104.5	78.8	118.2
160	46.2	35.4	53.0

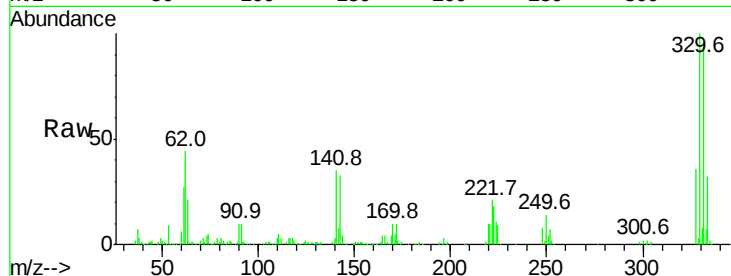




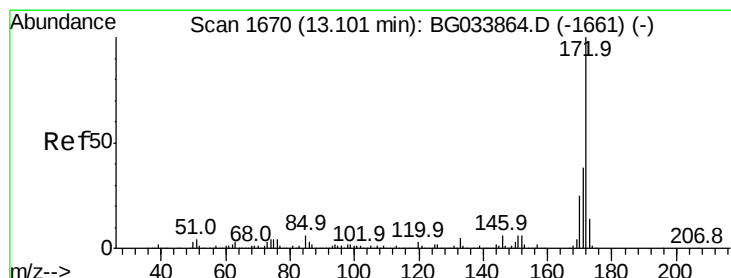
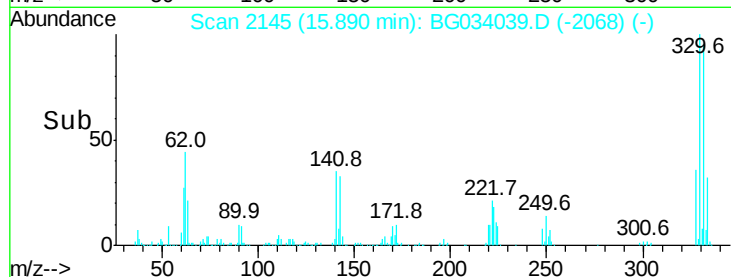
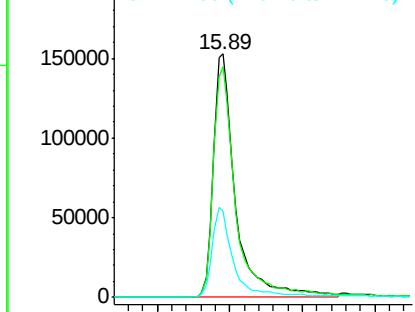
#41
 2,4,6-Tribromophenol
 Concen: 179.032 ng
 RT: 15.89 min Scan# 2145
 Delta R.T. -0.08 min
 Lab File: BG034039.D
 Acq: 27 Apr 2018 15:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 326595
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.0 115.6
 141 36.2 25.2 37.8

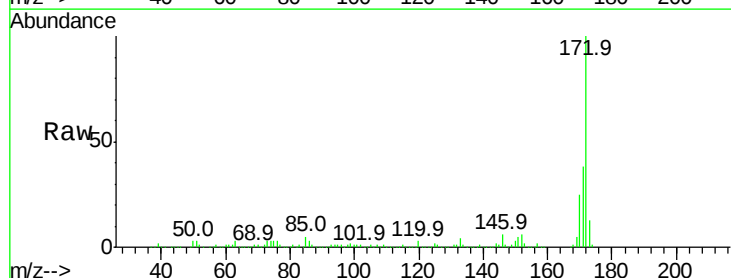


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

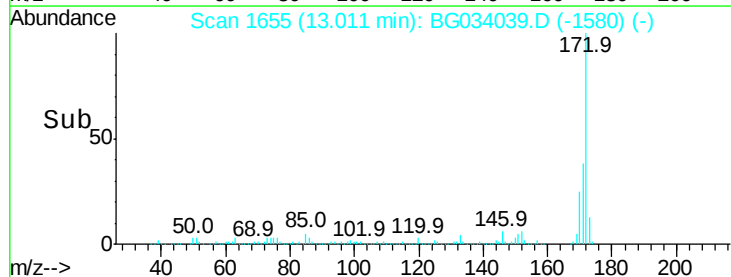
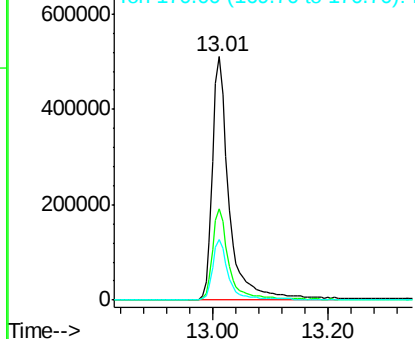


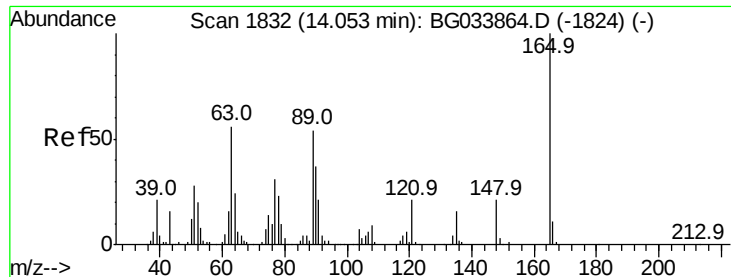
#44
 2-Fluorobiphenyl
 Concen: 99.030 ng
 RT: 13.01 min Scan# 1655
 Delta R.T. -0.09 min
 Lab File: BG034039.D
 Acq: 27 Apr 2018 15:05

Tgt Ion:172 Resp: 1054080
 Ion Ratio Lower Upper
 172 100
 171 37.8 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

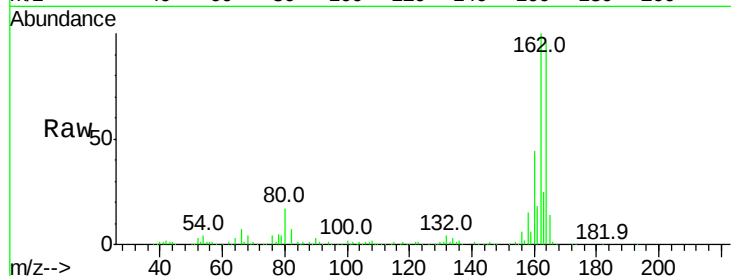




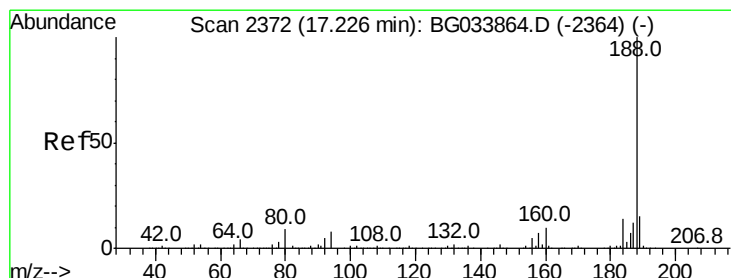
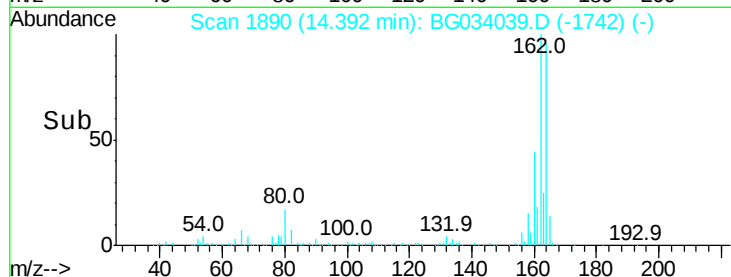
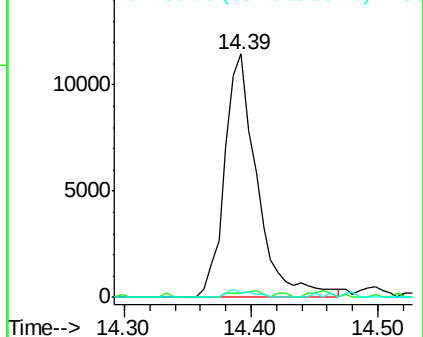
#50
 2,6-Dinitrotoluene
 Concen: 7.819 ng
 RT: 14.39 min Scan# 1890
 Delta R.T. 0.34 min
 Lab File: BG034039.D
 Acq: 27 Apr 2018 15:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 20380
 Ion Ratio Lower Upper
 165 100
 63 1.9 52.7 79.1#
 89 1.6 49.2 73.8#

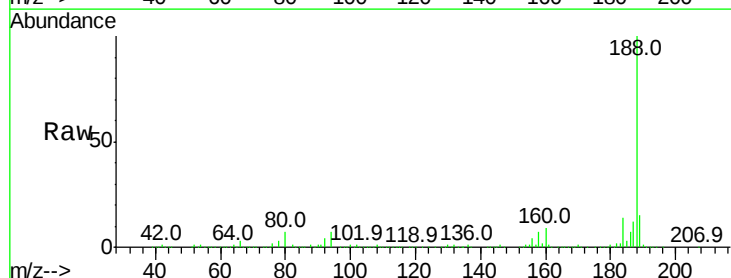


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

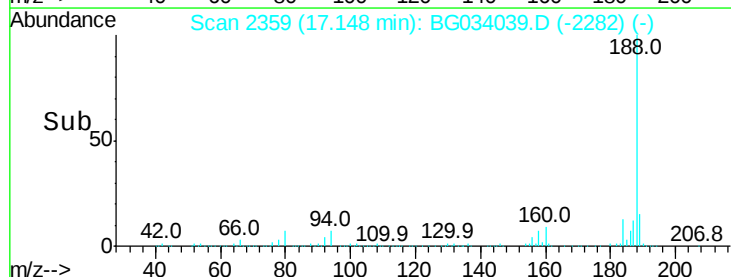
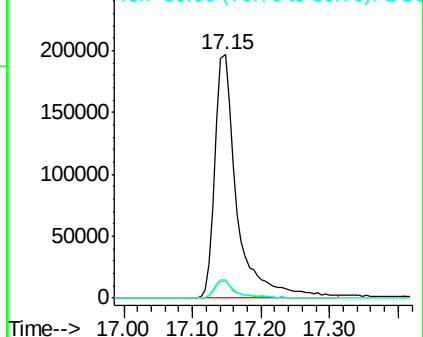


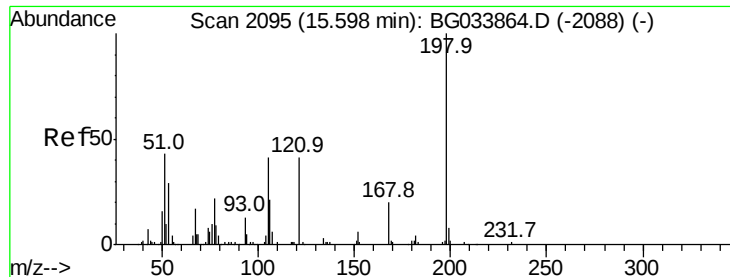
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.15 min Scan# 2359
 Delta R.T. -0.08 min
 Lab File: BG034039.D
 Acq: 27 Apr 2018 15:05

Tgt Ion:188 Resp: 440575
 Ion Ratio Lower Upper
 188 100
 94 7.0 6.9 10.3
 80 7.4 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

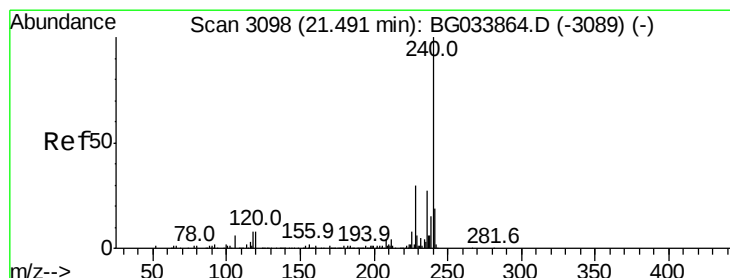
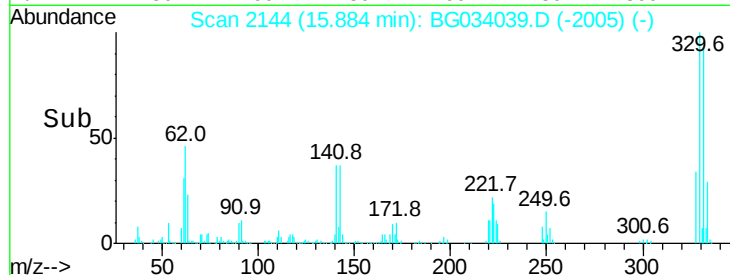
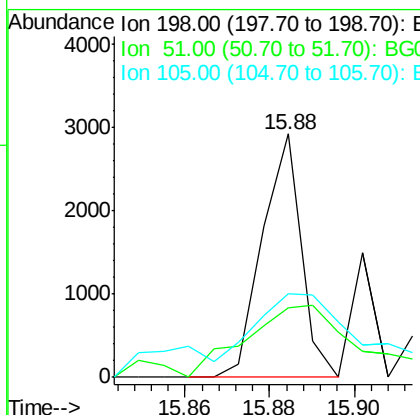
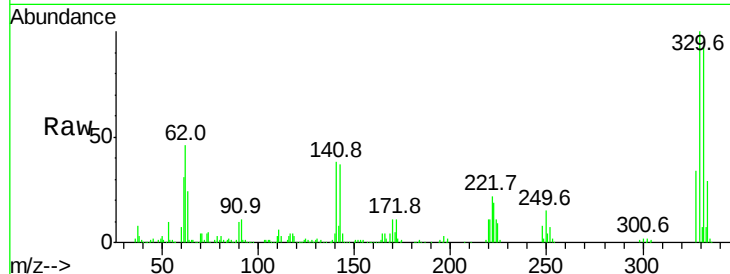




#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.255 ng
 RT: 15.88 min Scan# 2144
 Delta R.T. 0.29 min
 Lab File: BG034039.D
 Acq: 27 Apr 2018 15:05

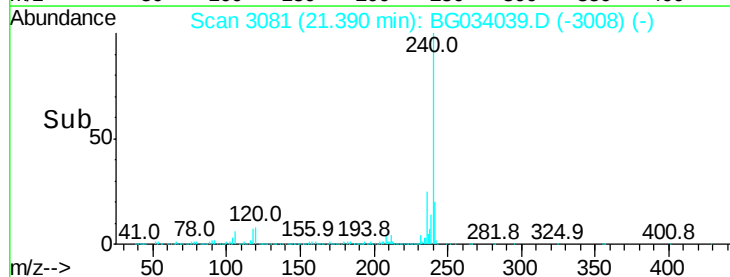
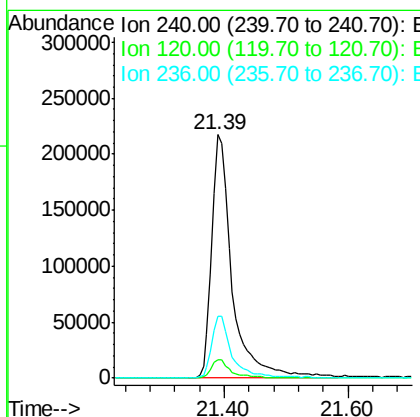
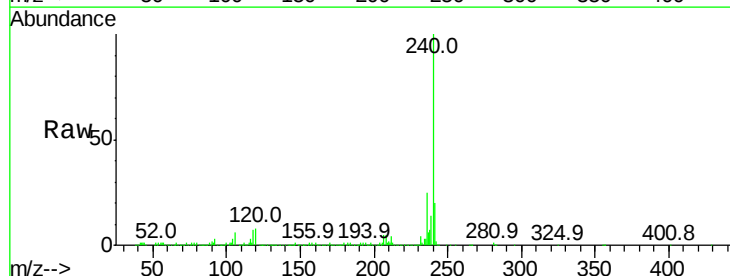
Instrument :
 BNA_G
 ClientSampleId :

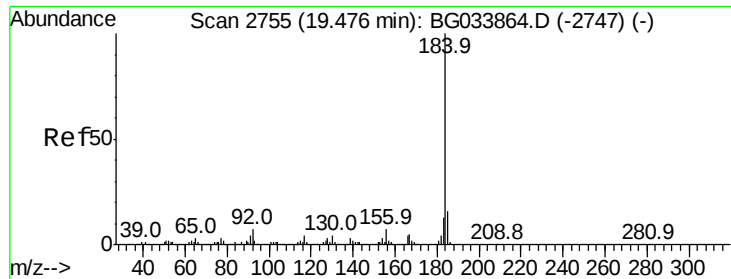
Tot Ion:198 Resp: 1878
 Ion Ratio Lower Upper
 198 100
 51 28.6 30.6 70.6#
 105 34.4 23.8 63.8



#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.39 min Scan# 3081
 Delta R.T. -0.10 min
 Lab File: BG034039.D
 Acq: 27 Apr 2018 15:05

Tgt Ion:240 Resp: 497128
 Ion Ratio Lower Upper
 240 100
 120 7.6 6.8 10.2
 236 25.2 20.9 31.3

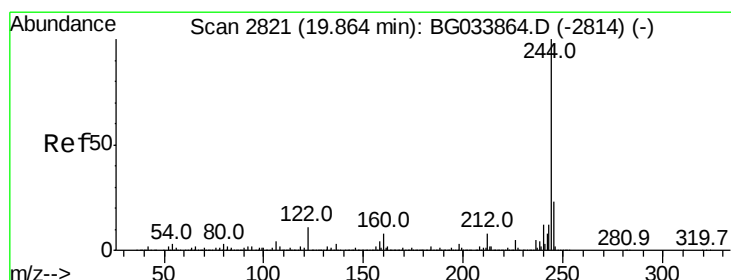
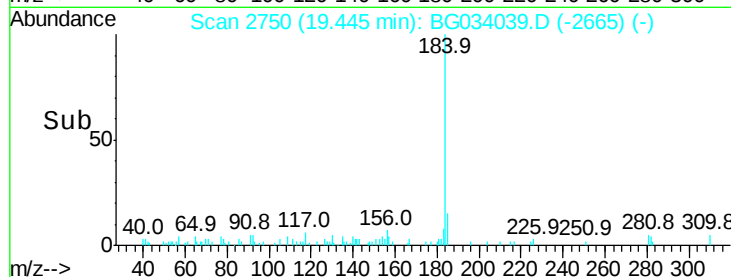
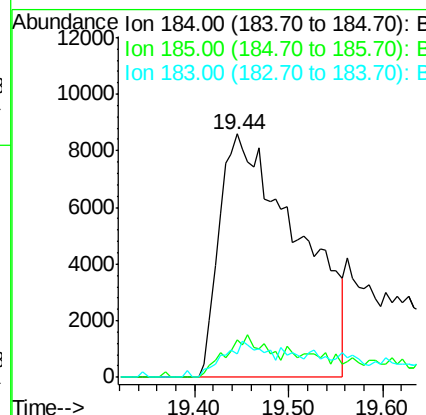
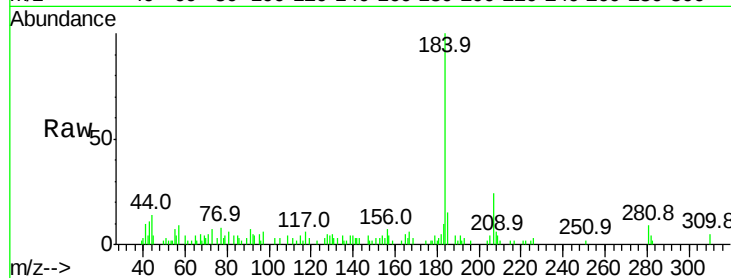




#76
Benzidine
Concen: 3.724 ng
RT: 19.44 min Scan# 2750
Delta R.T. -0.03 min
Lab File: BG034039.D
Acq: 27 Apr 2018 15:05

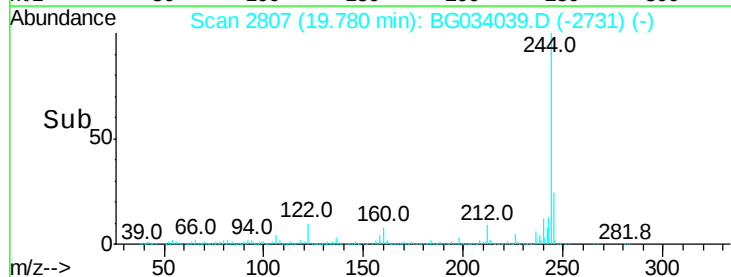
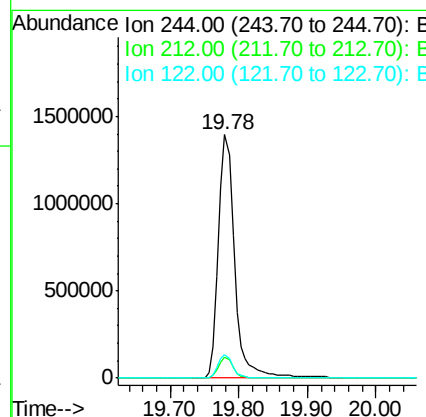
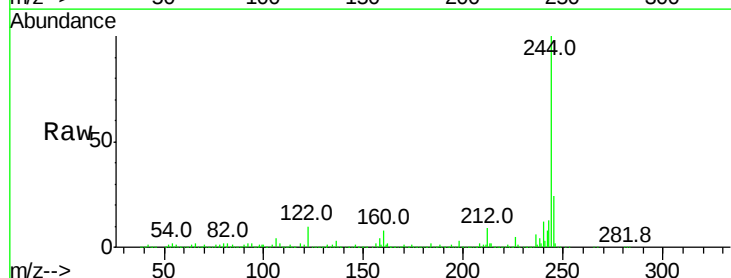
Instrument :
BNA_G
ClientSampled :

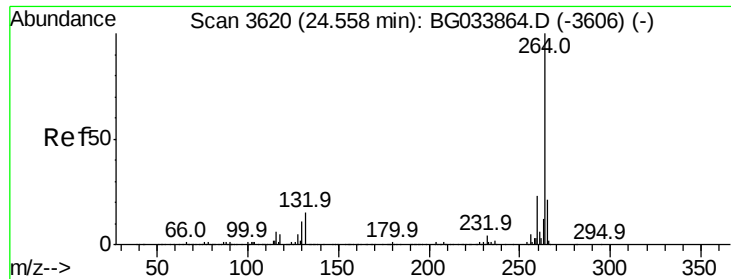
Tot Ion	Ratio	Lower	Upper
184	100		
185	15.3	11.1	16.7
183	9.6	10.6	16.0#



#78
Terphenyl-d14
Concen: 103.914 ng
RT: 19.78 min Scan# 2807
Delta R.T. -0.08 min
Lab File: BG034039.D
Acq: 27 Apr 2018 15:05

Tgt Ion	Ratio	Lower	Upper
244	100		
212	8.5	5.8	8.8
122	9.8	7.0	10.4

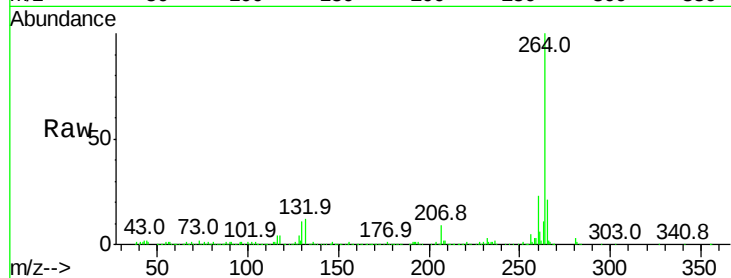




#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.39 min Scan# 3592
Delta R.T. -0.17 min
Lab File: BG034039.D
Acq: 27 Apr 2018 15:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.6	17.4	26.0
265	21.3	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

