

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042718\
 Data File : BG034043.D
 Acq On : 27 Apr 2018 17:37
 Operator : SJ/JU
 Sample : J2156-08
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 28 00:31:09 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

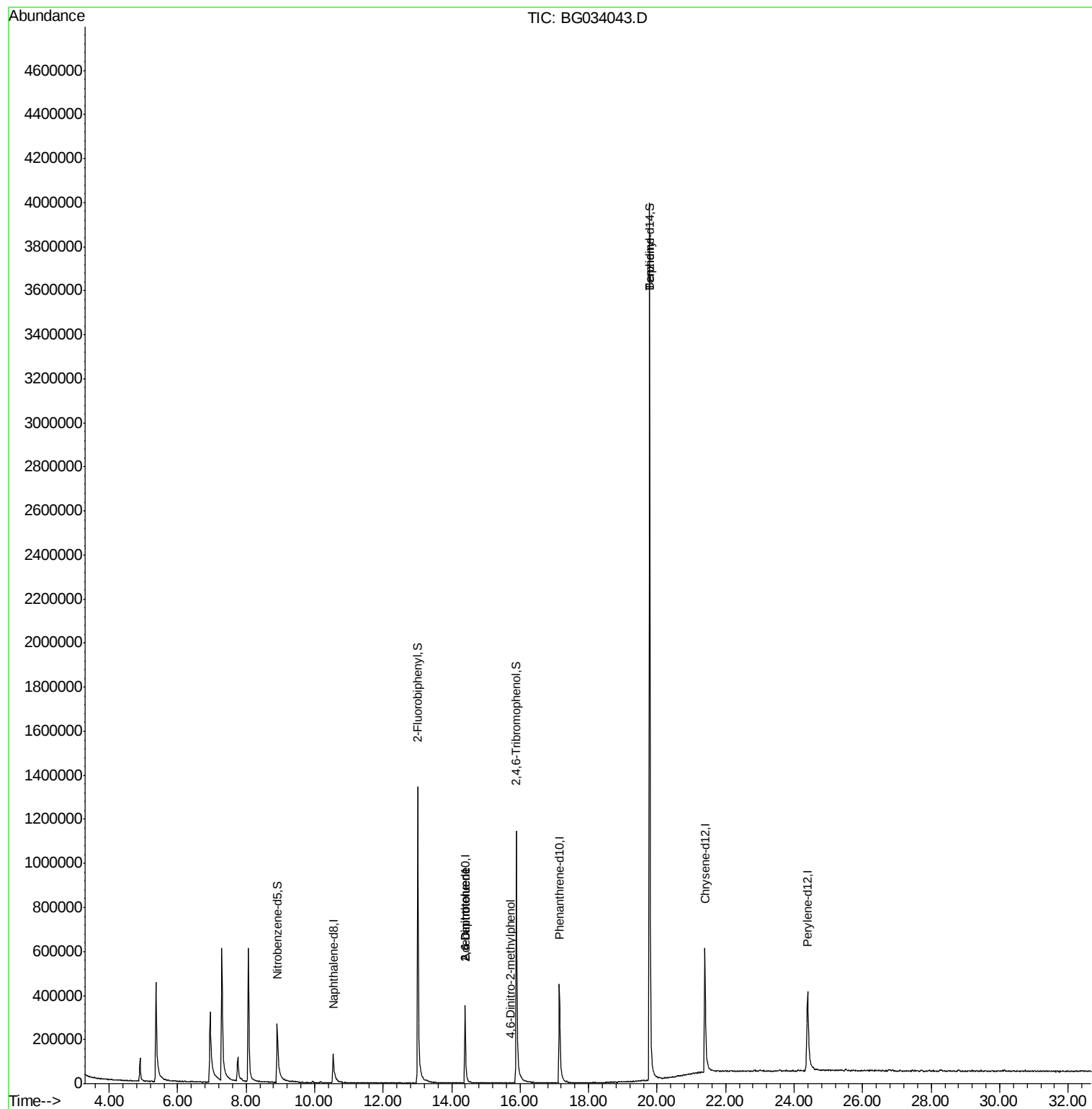
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-7.84
21) Naphthalene-d8	10.54	136	225428	20.00	ng	-0.09
38) Acenaphthene-d10	14.39	164	168885	20.00	ng	-0.09
63) Phenanthrene-d10	17.14	188	498810	20.00	ng	-0.08
75) Chrysene-d12	21.39	240	546722	20.00	ng	-0.10
86) Perylene-d12	24.39	264	548150	20.00	ng	-0.17
System Monitoring Compounds						
5) 2-Fluorophenol	5.36	112	368609	0.00	ng	-0.08
7) Phenol-d6	6.94	99	406123	0.00	ng	-0.06
23) Nitrobenzene-d5	8.91	82	308669	77.92	ng	-0.08
41) 2,4,6-Tribromophenol	15.89	330	330930	167.96	ng	-0.08
44) 2-Fluorobiphenyl	13.01	172	1037149	90.22	ng	-0.09
78) Terphenyl-d14	19.78	244	2371109	97.43	ng	-0.08
Target Compounds						
50) 2,6-Dinitrotoluene	14.39	165	21696	7.706	ng	# 21
56) 2,4-Dinitrotoluene	14.39	165	22137	5.913	ng	# 19
64) 4,6-Dinitro-2-methylphenol	15.73	198	78	6.517	ng	# 29
76) Benzidine	19.78	184	35472	2.403	ng	# 89

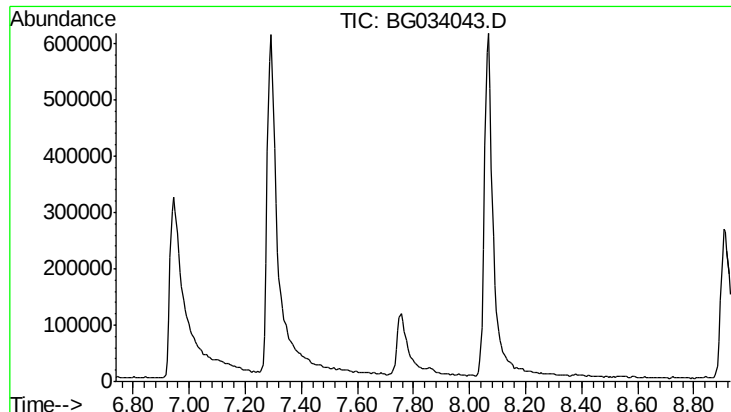
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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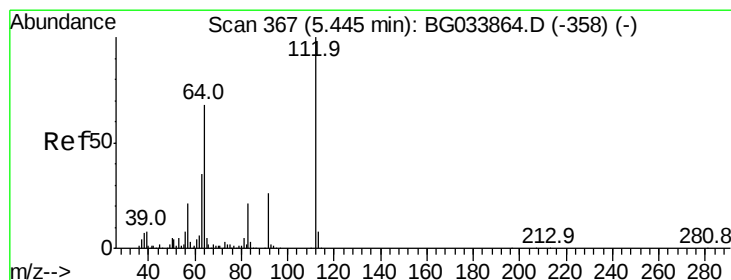
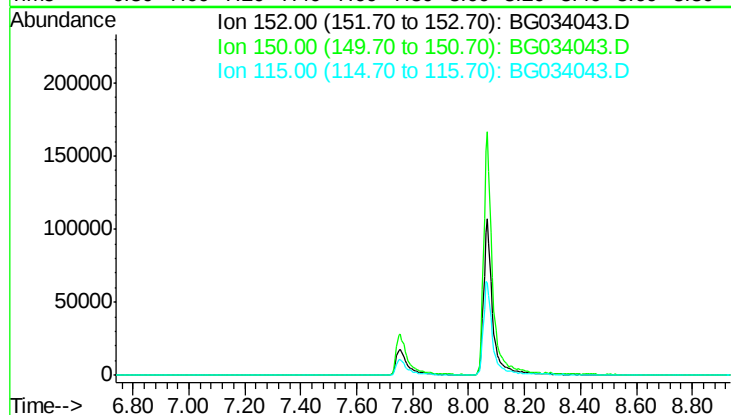




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 7.84 min
 Lab File: BG034043.D
 Acq: 27 Apr 2018 17:37

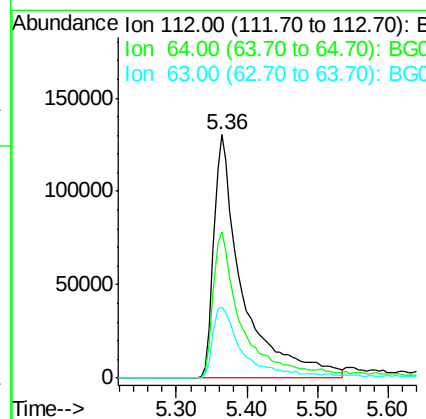
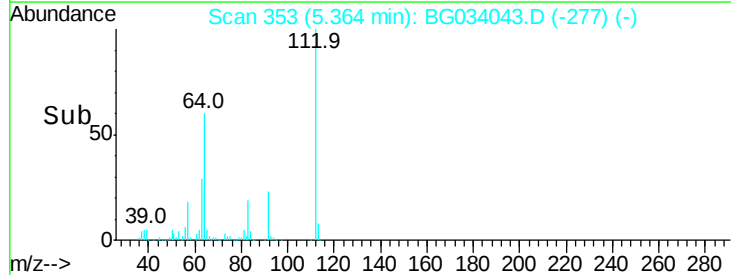
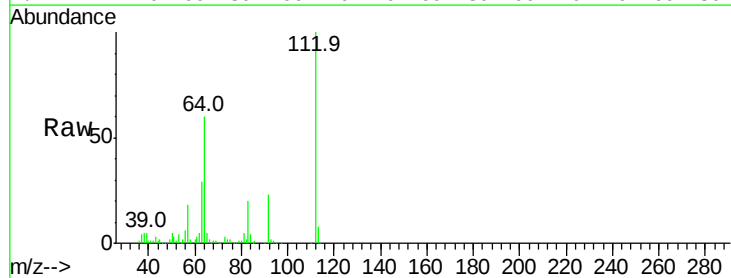
Instrument :
 BNA_G
 ClientSampleId :

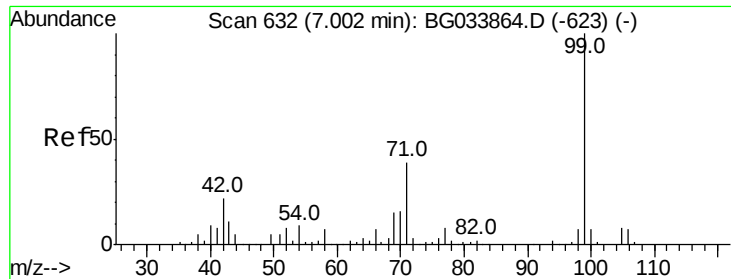
Tot Ion: 152
 Sig Exp Ratio
 152 100
 150 158.2
 115 66.2



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.36 min Scan# 353
 Delta R.T. -0.08 min
 Lab File: BG034043.D
 Acq: 27 Apr 2018 17:37

Tgt Ion: 112 Resp: 368609
 Ion Ratio Lower Upper
 112 100
 64 60.3 56.3 84.5
 63 29.0 30.1 45.1#





#7

Phenol-d6

Concen: 0.000 ng

RT: 6.94 min Scan# 622

Delta R.T. -0.06 min

Lab File: BG034043.D

Acq: 27 Apr 2018 17:37

Instrument :

BNA_G

ClientSampled :

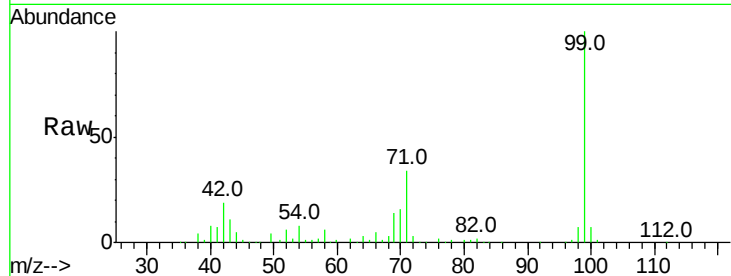
Tot Ion: 99 Resp: 406123

Ion Ratio Lower Upper

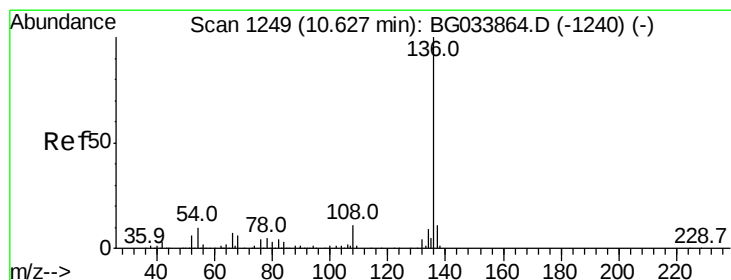
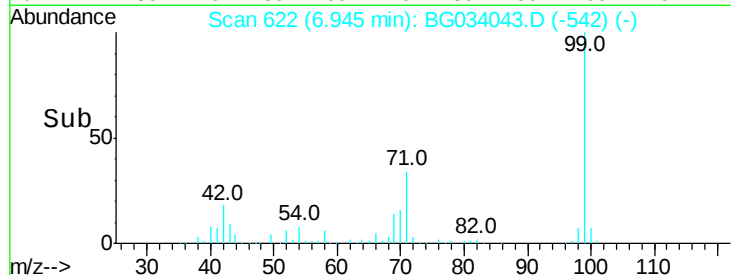
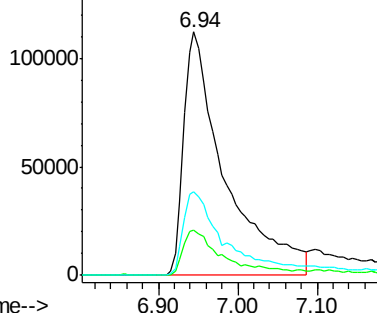
99 100

42 18.6 14.1 21.1

71 34.4 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: BG034043.D

Acq: 27 Apr 2018 17:37

Tgt Ion: 136 Resp: 225428

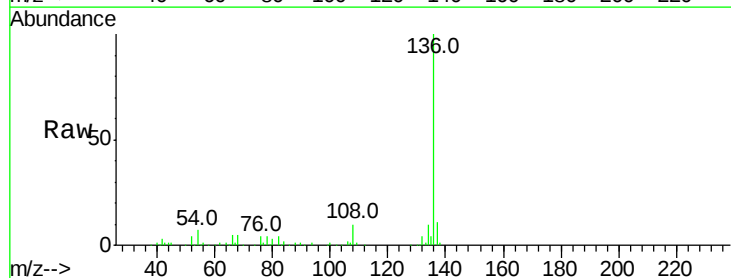
Ion Ratio Lower Upper

136 100

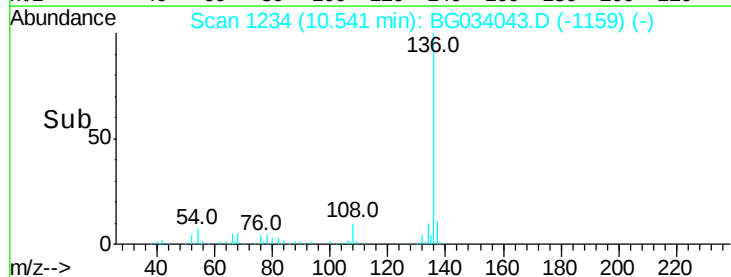
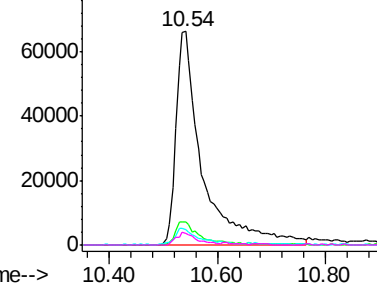
137 11.1 9.2 13.8

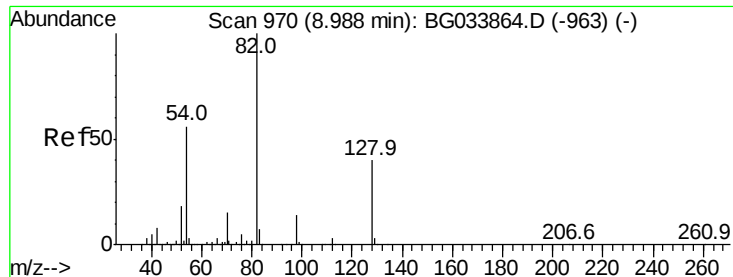
54 6.9 10.3 15.5#

68 5.4 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

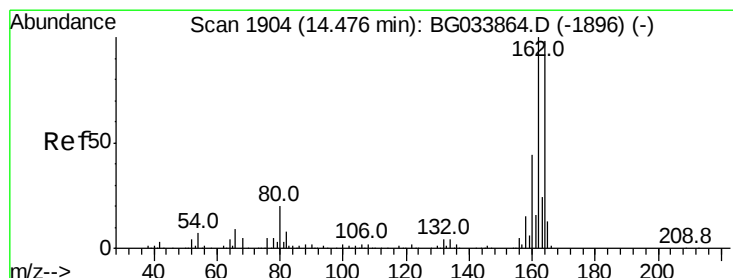
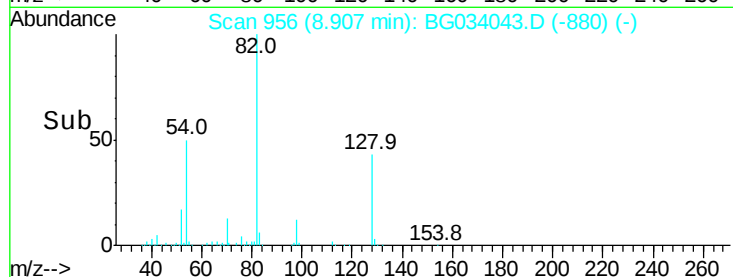
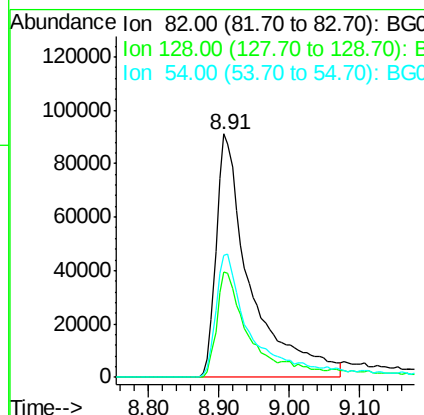
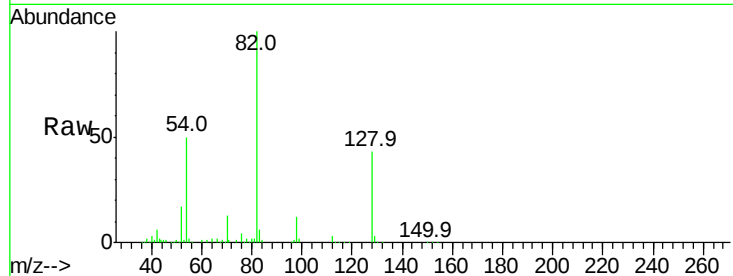




#23
Nitrobenzene-d5
Concen: 77.924 ng
RT: 8.91 min Scan# 956
Delta R.T. -0.08 min
Lab File: BG034043.D
Acq: 27 Apr 2018 17:37

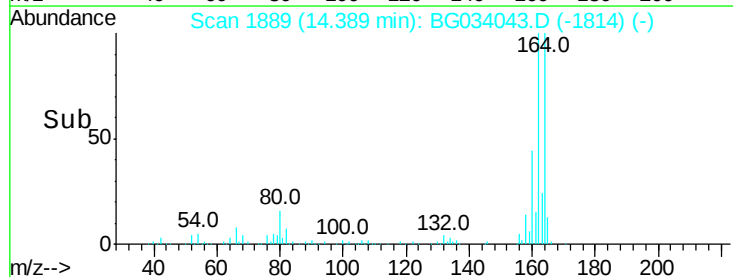
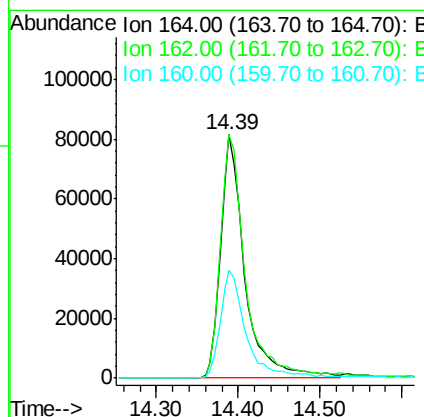
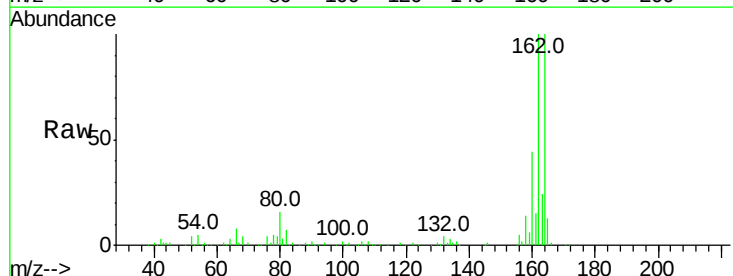
Instrument :
BNA_G
ClientSampleId :

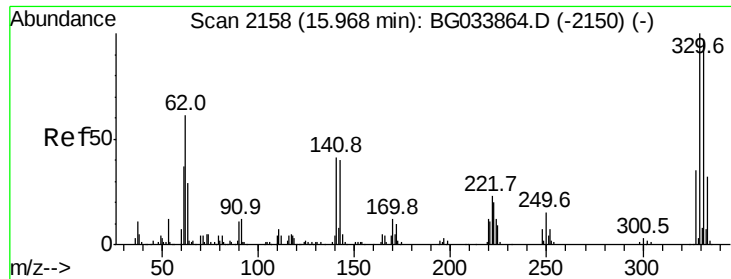
Tot Ion: 82 Resp: 308669
Ion Ratio Lower Upper
82 100
128 43.3 29.7 44.5
54 49.9 43.1 64.7



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.39 min Scan# 1889
Delta R.T. -0.09 min
Lab File: BG034043.D
Acq: 27 Apr 2018 17:37

Tgt Ion:164 Resp: 168885
Ion Ratio Lower Upper
164 100
162 100.0 78.8 118.2
160 44.1 35.4 53.0

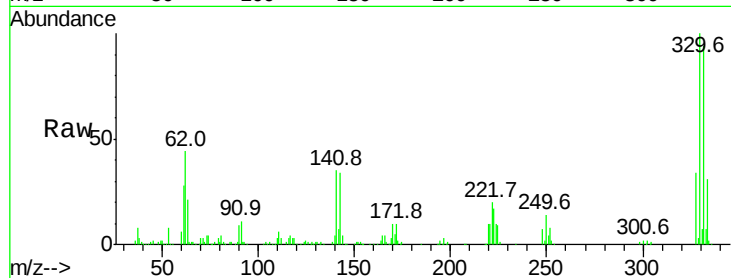




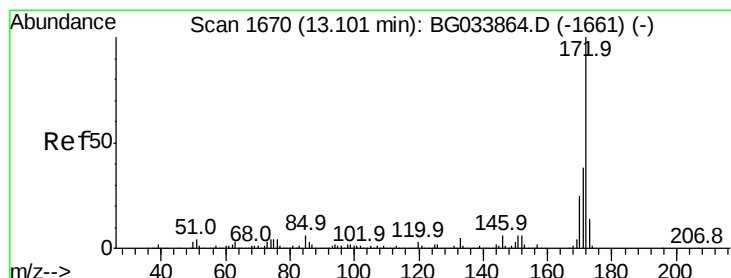
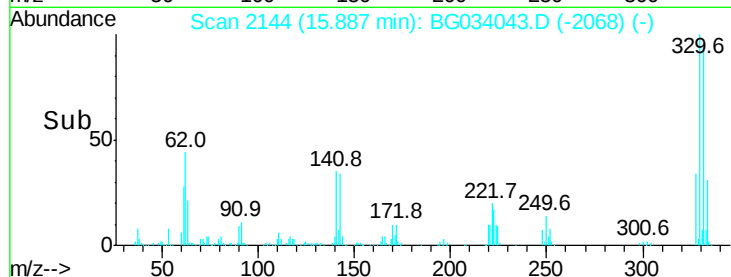
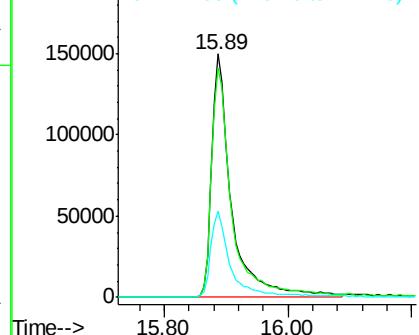
#41
 2,4,6-Tribromophenol
 Concen: 167.958 ng
 RT: 15.89 min Scan# 2144
 Delta R.T. -0.08 min
 Lab File: BG034043.D
 Acq: 27 Apr 2018 17:37

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 330930
 Ion Ratio Lower Upper
 330 100
 332 97.2 77.0 115.6
 141 34.0 25.2 37.8

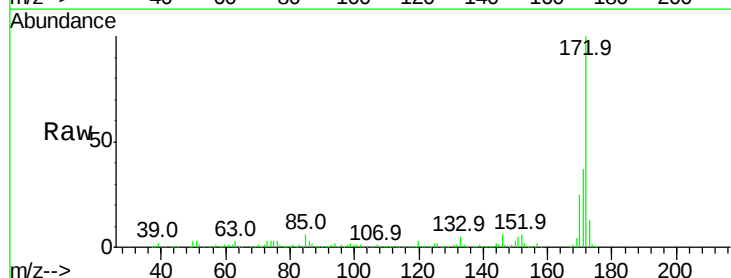


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

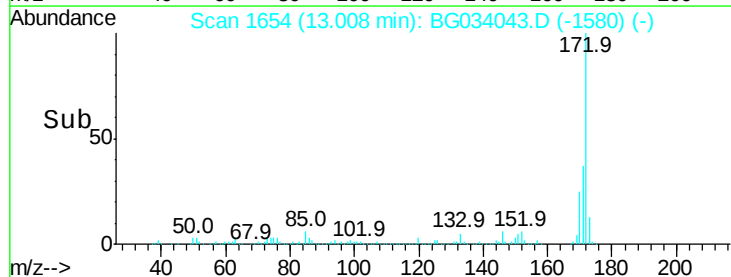
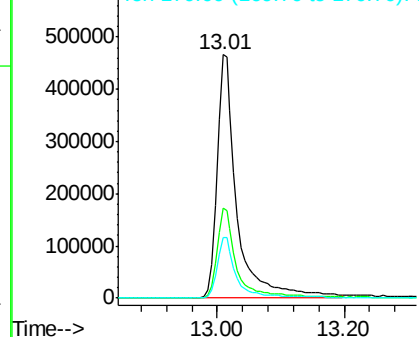


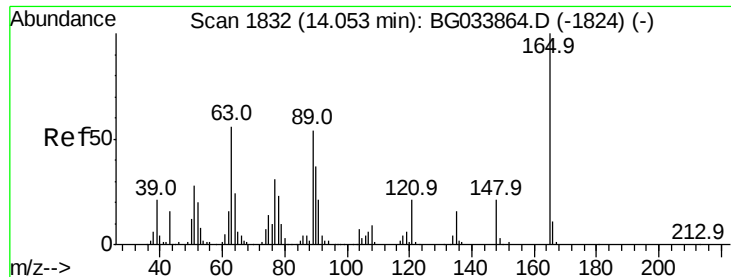
#44
 2-Fluorobiphenyl
 Concen: 90.215 ng
 RT: 13.01 min Scan# 1654
 Delta R.T. -0.09 min
 Lab File: BG034043.D
 Acq: 27 Apr 2018 17:37

Tgt Ion:172 Resp: 1037149
 Ion Ratio Lower Upper
 172 100
 171 37.1 30.0 45.0
 170 24.8 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: 7.706 ng

RT: 14.39 min Scan# 1889

Delta R.T. 0.34 min

Lab File: BG034043.D

Acq: 27 Apr 2018 17:37

Instrument :

BNA_G

ClientSampleId :

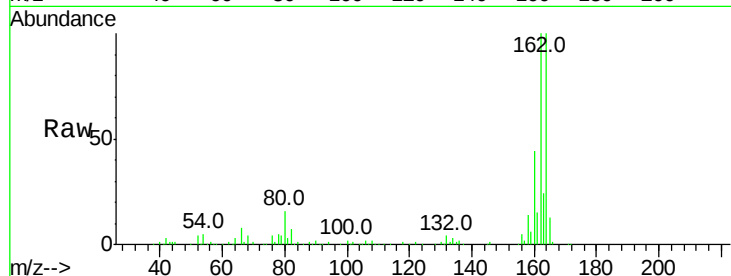
Tot Ion:165 Resp: 21696

Ion Ratio Lower Upper

165 100

63 1.6 52.7 79.1#

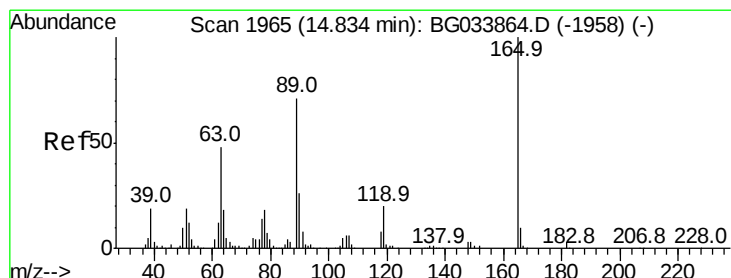
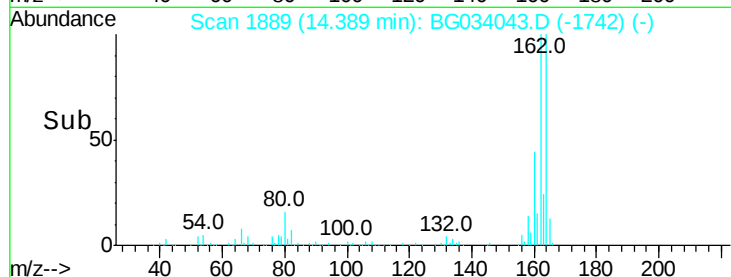
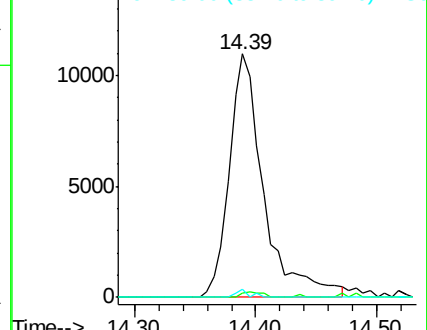
89 3.2 49.2 73.8#



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: 5.913 ng

RT: 14.39 min Scan# 1889

Delta R.T. -0.45 min

Lab File: BG034043.D

Acq: 27 Apr 2018 17:37

Tgt Ion:165 Resp: 22137

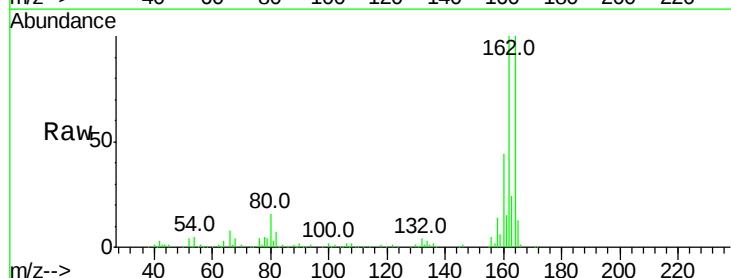
Ion Ratio Lower Upper

165 100

63 1.6 42.0 63.0#

89 3.2 66.9 100.3#

182 0.0 2.6 3.8#

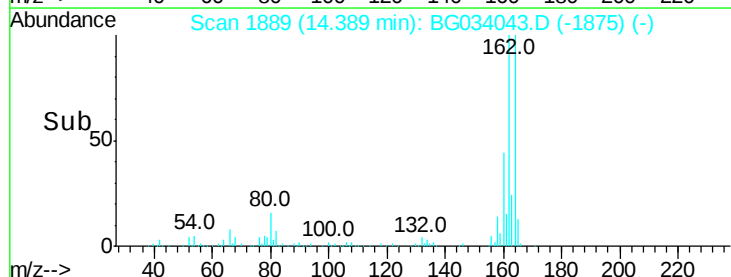
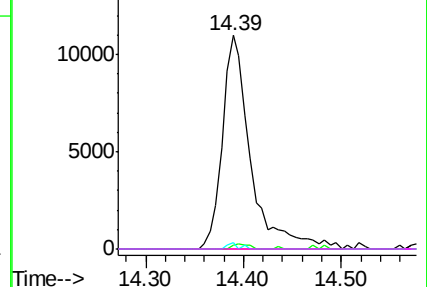


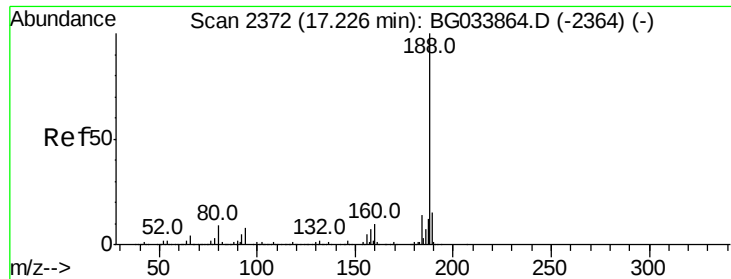
Abundance Ion 165.00 (164.70 to 165.70): E

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

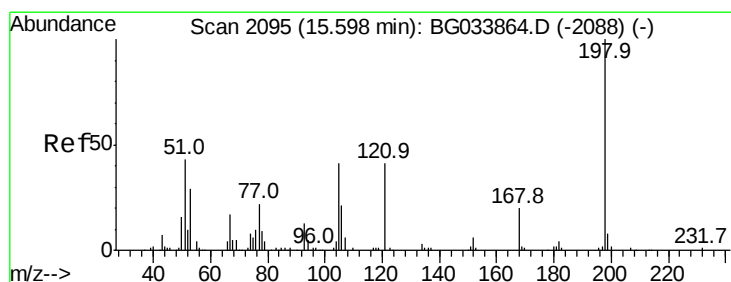
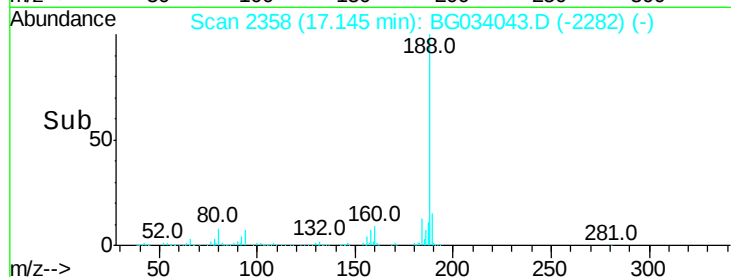
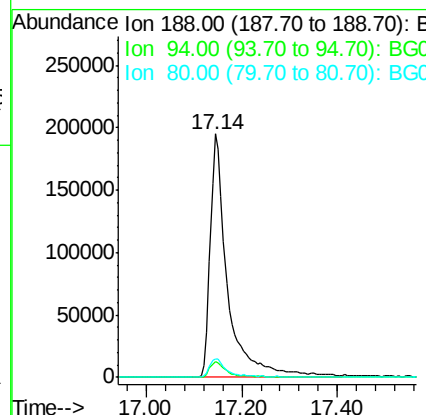
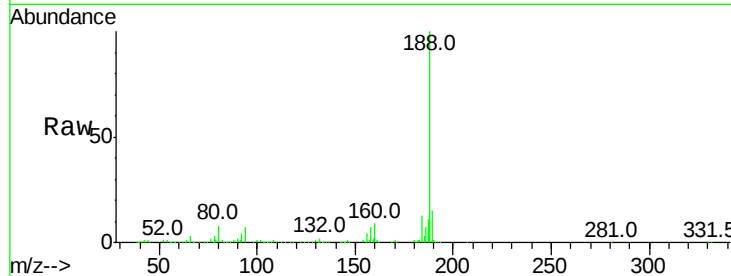




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.14 min Scan# 2358
 Delta R.T. -0.08 min
 Lab File: BG034043.D
 Acq: 27 Apr 2018 17:37

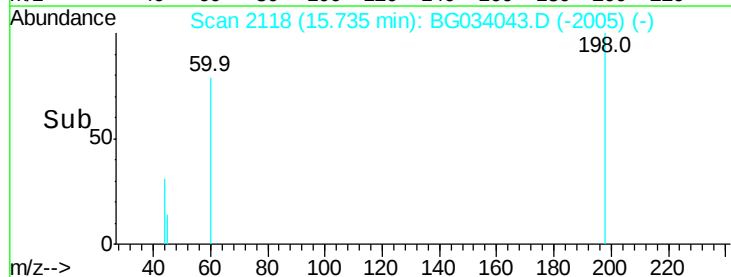
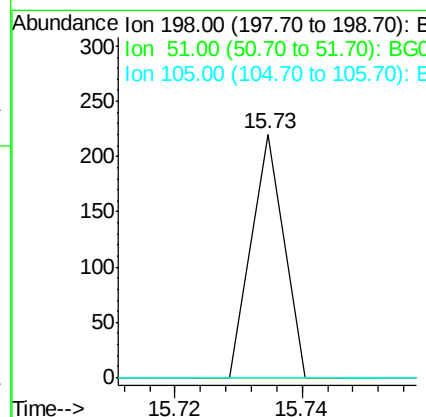
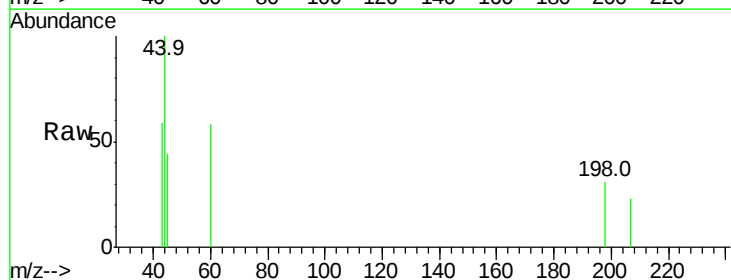
Instrument :
 BNA_G
 ClientSampled :

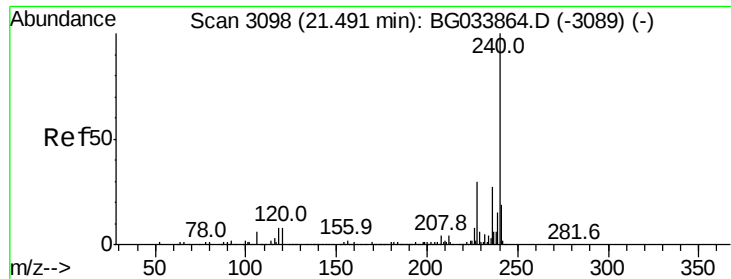
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.6	6.9	10.3#
80	7.6	7.7	11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.517 ng
 RT: 15.73 min Scan# 2118
 Delta R.T. 0.14 min
 Lab File: BG034043.D
 Acq: 27 Apr 2018 17:37

Tgt Ion	Ratio	Lower	Upper
198	100		
51	0.0	30.6	70.6#
105	0.0	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: BG034043.D

Acq: 27 Apr 2018 17:37

Instrument :

BNA_G

ClientSampled :

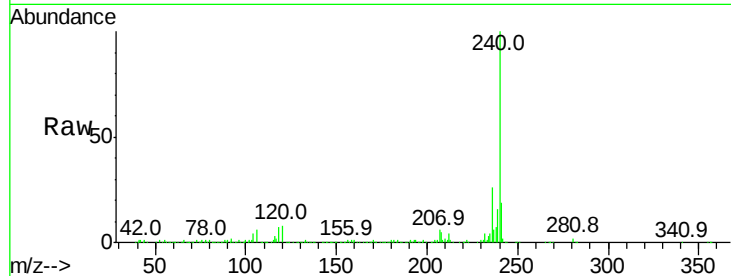
Tot Ion:240 Resp: 546722

Ion Ratio Lower Upper

240 100

120 7.6 6.8 10.2

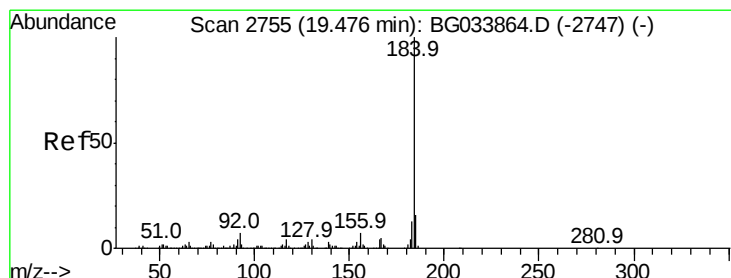
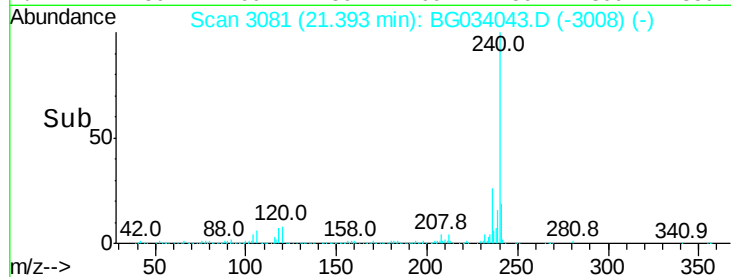
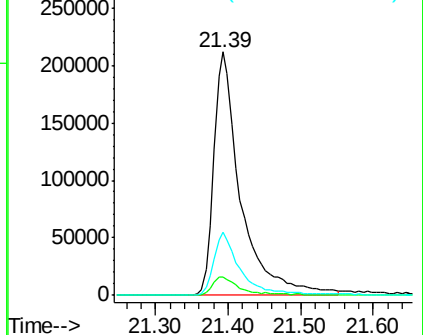
236 26.0 20.9 31.3



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: 2.403 ng

RT: 19.78 min Scan# 2807

Delta R.T. 0.31 min

Lab File: BG034043.D

Acq: 27 Apr 2018 17:37

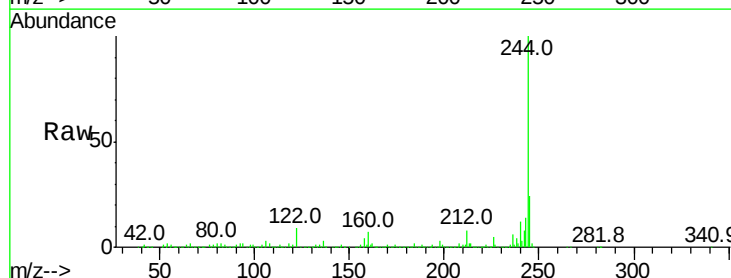
Tgt Ion:184 Resp: 35472

Ion Ratio Lower Upper

184 100

185 17.4 11.1 16.7#

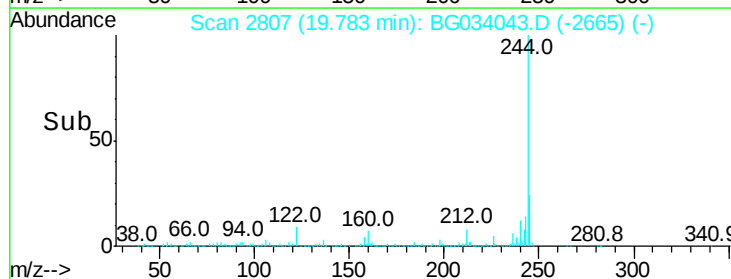
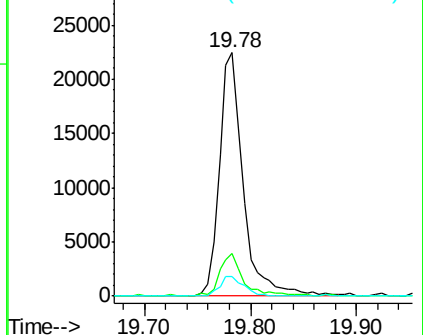
183 7.8 10.6 16.0#

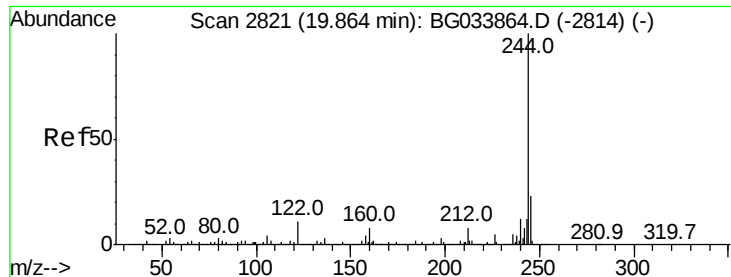


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 97.435 ng

RT: 19.78 min Scan# 2807

Delta R.T. -0.08 min

Lab File: BG034043.D

Acq: 27 Apr 2018 17:37

Instrument :

BNA_G

ClientSampleId :

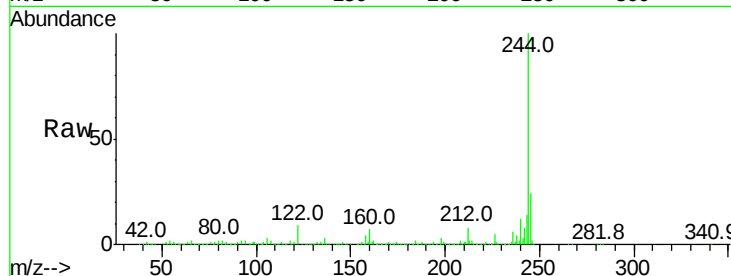
Tot Ion:244 Resp: 2371109

Ion	Ratio	Lower	Upper
244	100		
212	8.2	5.8	8.8
122	8.9	7.0	10.4

244 100

212 8.2 5.8 8.8

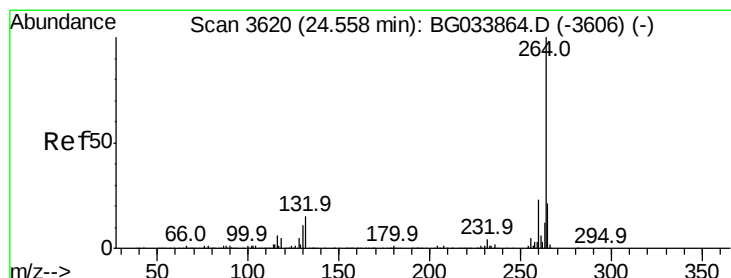
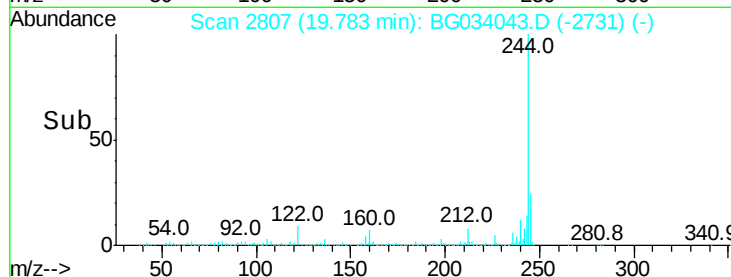
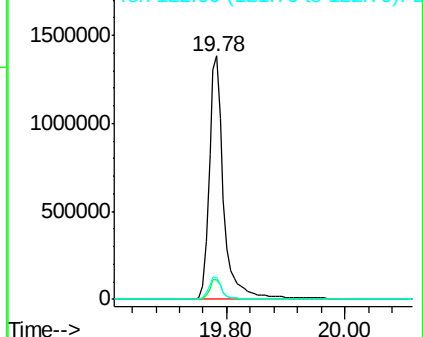
122 8.9 7.0 10.4



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: 24.39 min Scan# 3591

Delta R.T. -0.17 min

Lab File: BG034043.D

Acq: 27 Apr 2018 17:37

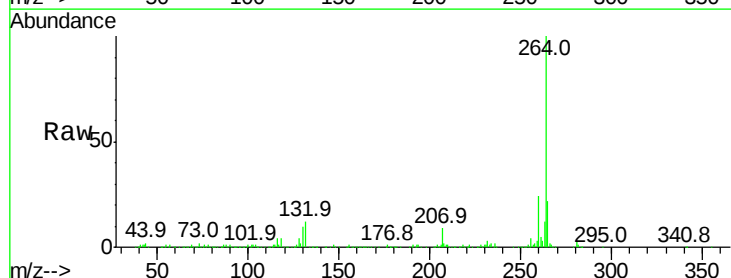
Tgt Ion:264 Resp: 548150

Ion	Ratio	Lower	Upper
264	100		
260	24.2	17.4	26.0
265	22.1	17.7	26.5

264 100

260 24.2 17.4 26.0

265 22.1 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

