

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032918\
 Data File : BG033430.D
 Acq On : 29 Mar 2018 21:28
 Operator : SJ/JU
 Sample : J1756-14
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 30 07:40:45 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 28 18:34:58 2018
 Response via : Initial Calibration

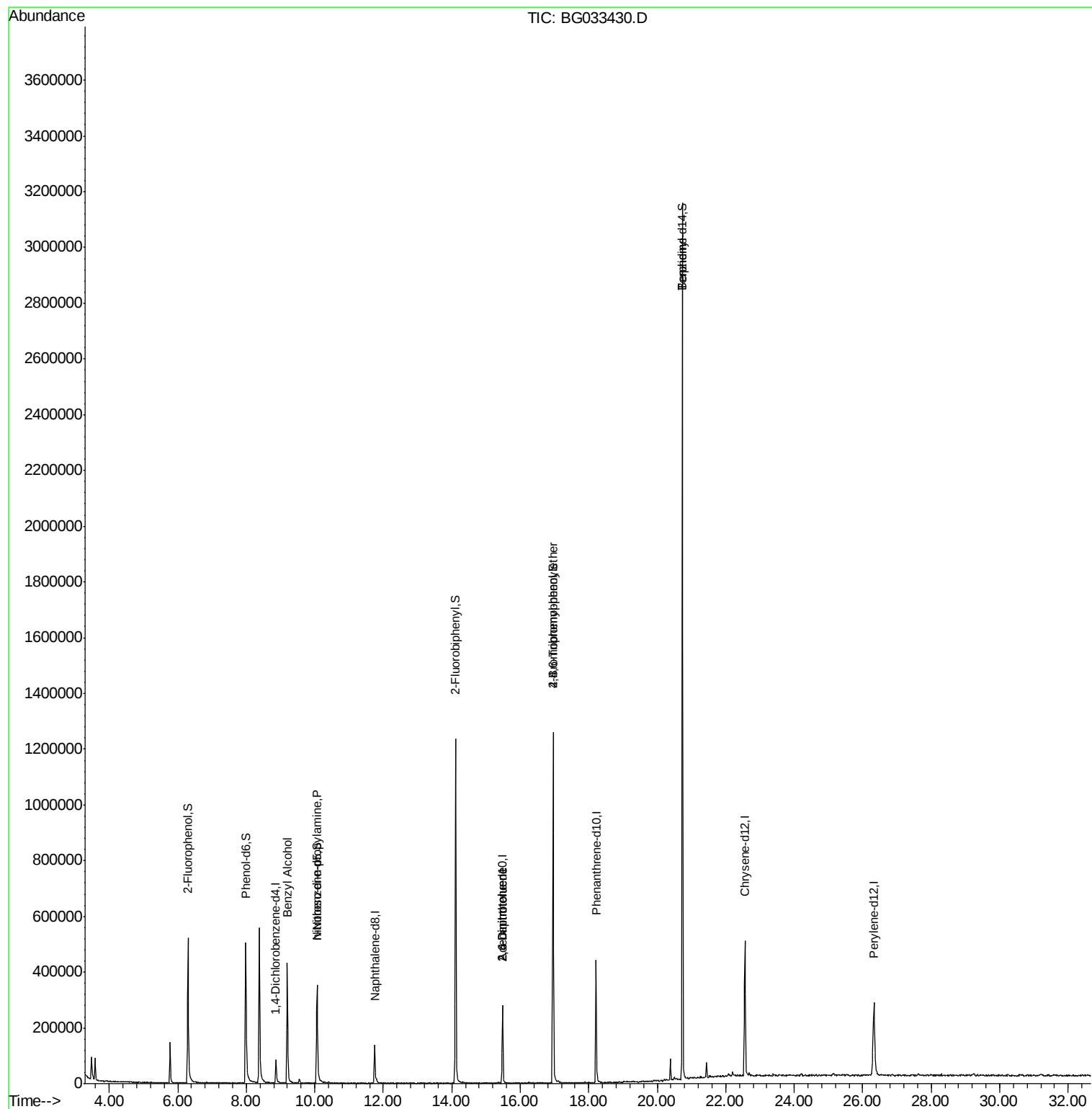
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	29193	20.00	ng	-0.01
21) Naphthalene-d8	11.75	136	133445	20.00	ng	0.00
38) Acenaphthene-d10	15.49	164	107118	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	321859	20.00	ng	0.00
75) Chrysene-d12	22.56	240	348294	20.00	ng	0.00
86) Perylene-d12	26.33	264	369733	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	250219	160.72	ng	0.00
7) Phenol-d6	7.98	99	359959	134.56	ng	0.00
23) Nitrobenzene-d5	10.07	82	267095	91.96	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	260952	162.88	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	692743	93.36	ng	0.00
78) Terphenyl-d14	20.73	244	1558470	95.69	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.20	79	4738	2.250	ng	# 53
19) n-Nitroso-di-n-propylamine	10.07	70	38822	19.806	ng	# 73
50) 2,6-Dinitrotoluene	15.48	165	13342	7.000	ng	# 20
56) 2,4-Dinitrotoluene	15.48	165	13342	4.754	ng	# 18
66) 4-Bromophenyl-phenylether	16.96	248	21054	5.570	ng	# 1
76) Benzidine	20.73	184	25373	2.686	ng	# 86

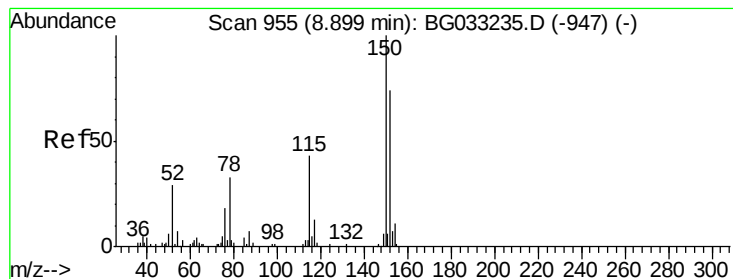
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.86 min Scan# 949

Delta R.T. -0.01 min

Lab File: BG033430.D

Acq: 29 Mar 2018 21:28

Instrument :

BNA_G

ClientSampleId :

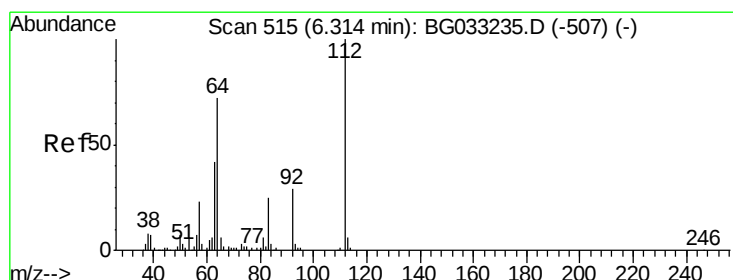
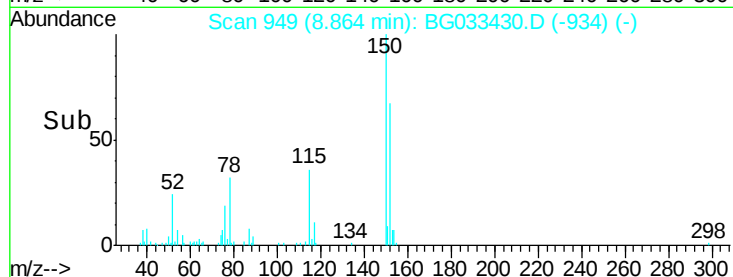
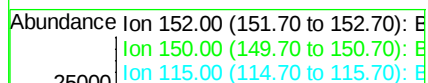
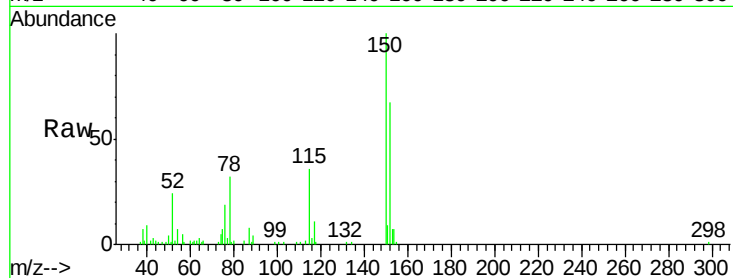
Tot Ion:152 Resp: 29193

Ion Ratio Lower Upper

152 100

150 148.9 126.6 189.8

115 53.0 53.0 79.4



#5

2-Fluorophenol

Concen: 160.720 ng

RT: 6.30 min Scan# 512

Delta R.T. 0.00 min

Lab File: BG033430.D

Acq: 29 Mar 2018 21:28

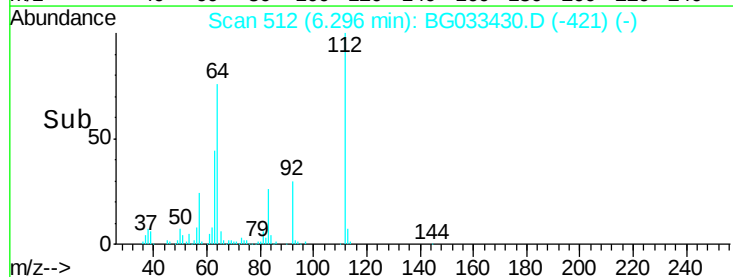
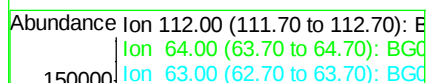
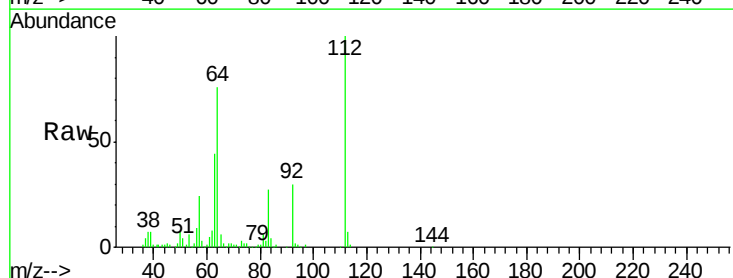
Tgt Ion:112 Resp: 250219

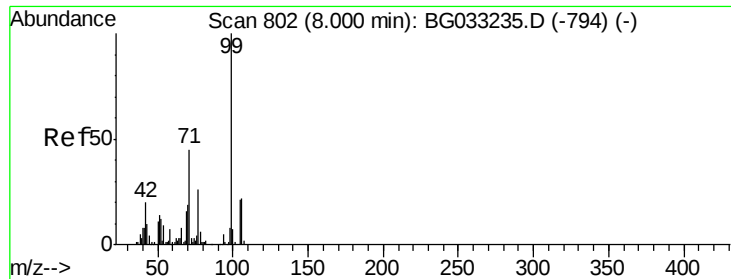
Ion Ratio Lower Upper

112 100

64 75.5 56.3 84.5

63 43.8 30.1 45.1





#7

Phenol-d6

Concen: 134.564 ng

RT: 7.98 min Scan# 799

Delta R.T. 0.00 min

Lab File: BG033430.D

Acq: 29 Mar 2018 21:28

Instrument :

BNA_G

ClientSampleId :

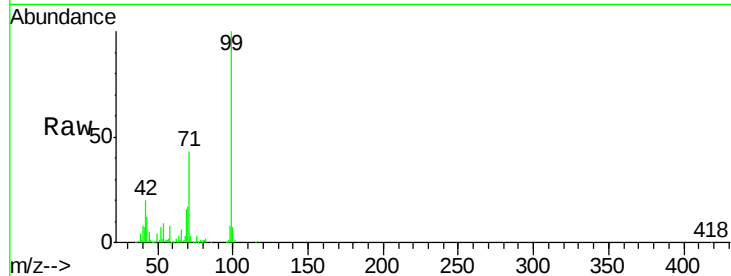
Tot Ion: 99 Resp: 359959

Ion Ratio Lower Upper

99 100

42 20.1 14.1 21.1

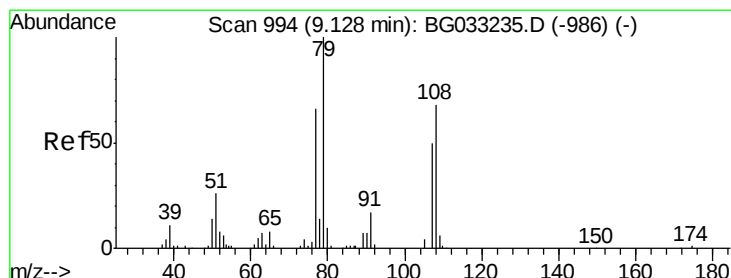
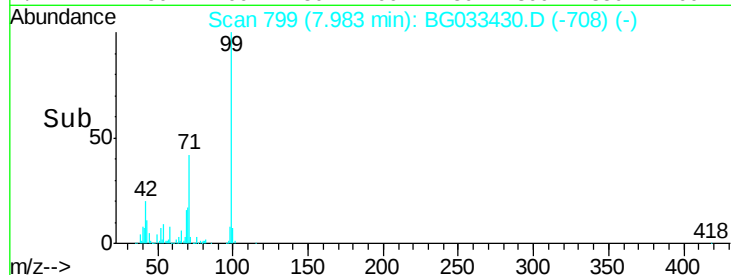
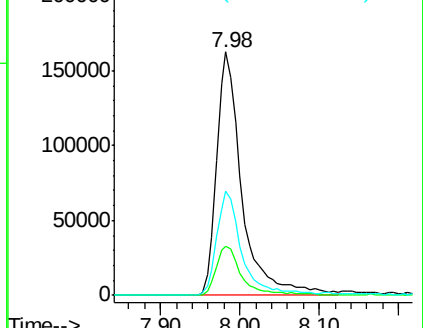
71 42.6 26.1 39.1#



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



#15

Benzyl Alcohol

Concen: 2.250 ng

RT: 9.20 min Scan# 1006

Delta R.T. 0.09 min

Lab File: BG033430.D

Acq: 29 Mar 2018 21:28

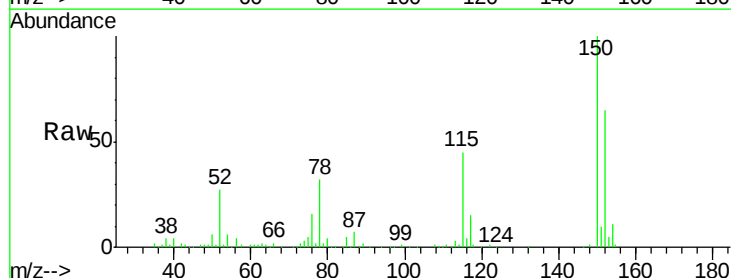
Tgt Ion: 79 Resp: 4738

Ion Ratio Lower Upper

79 100

108 44.1 57.2 85.8#

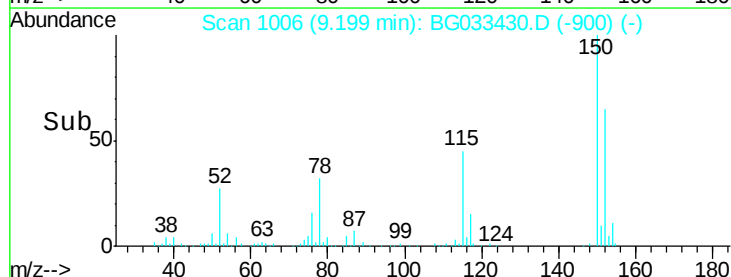
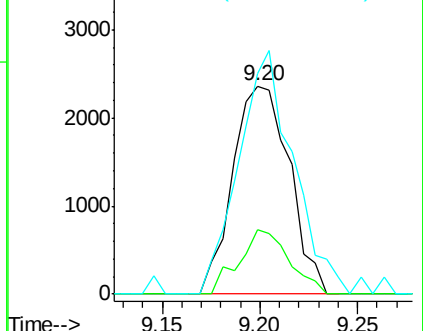
77 105.9 46.1 69.1#



Abundance Ion 79.00 (78.70 to 79.70): BGC

Ion 108.00 (107.70 to 108.70): BGC

Ion 77.00 (76.70 to 77.70): BGC

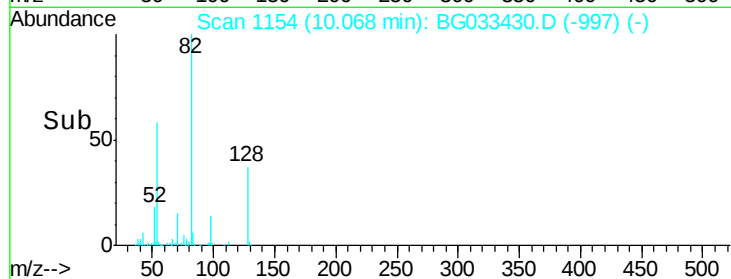
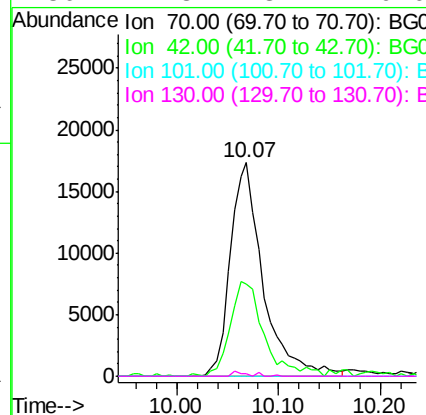
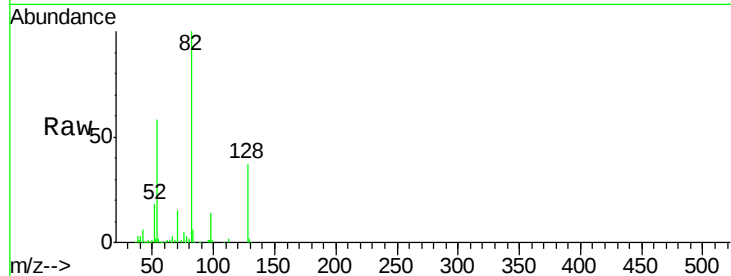




#19
n-Nitroso-di-n-propylamine
Concen: 19.806 ng
RT: 10.07 min Scan# 1154
Delta R.T. 0.39 min
Lab File: BG033430.D
Acq: 29 Mar 2018 21:28

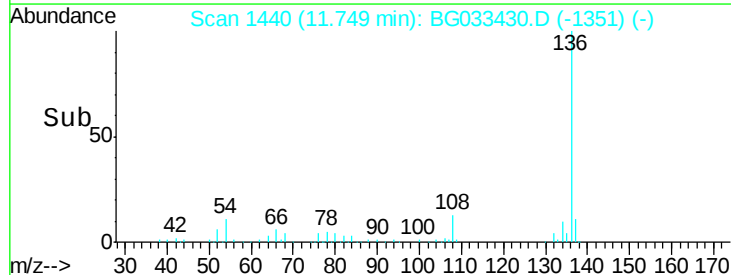
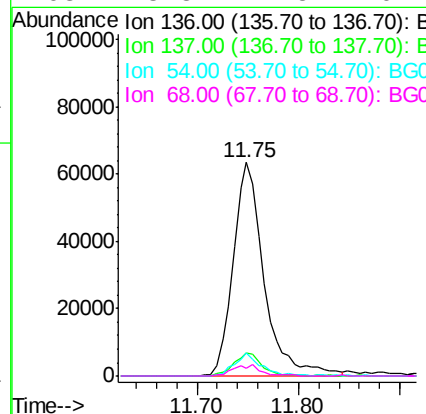
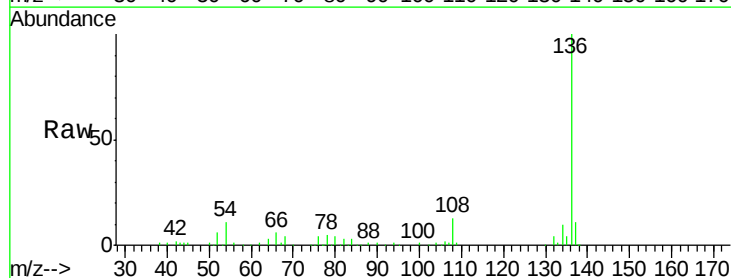
Instrument :
BNA_G
ClientSampleId :

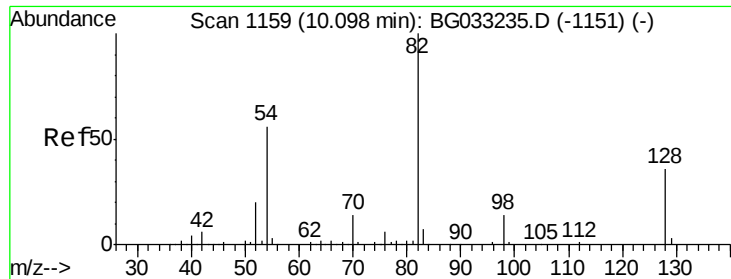
Tot Ion: 70 Resp: 38822
Ion Ratio Lower Upper
70 100
42 42.9 49.1 73.7#
101 0.0 8.5 12.7#
130 1.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.01 min
Lab File: BG033430.D
Acq: 29 Mar 2018 21:28

Tgt Ion: 136 Resp: 133445
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 11.0 10.3 15.5
68 3.8 4.5 6.7#

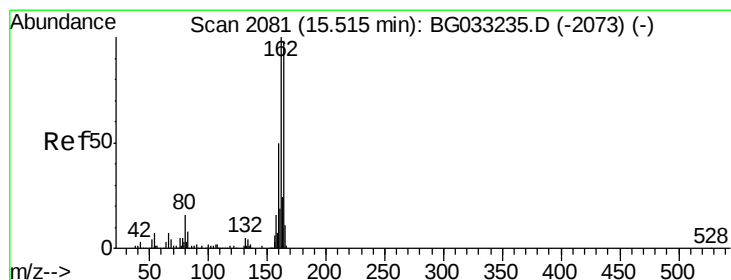
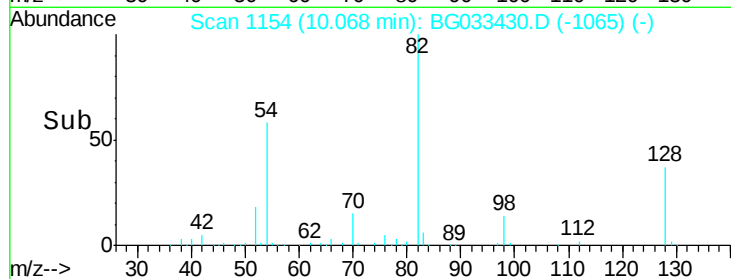
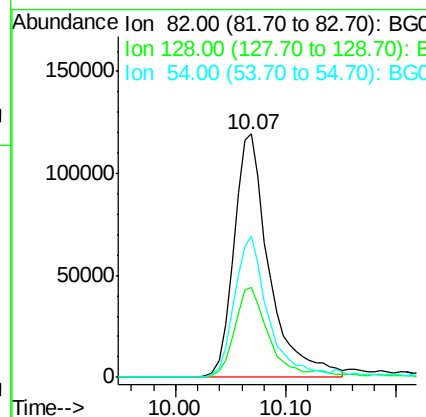
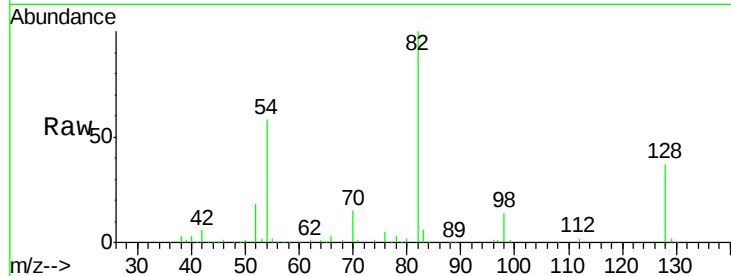




#23
 Nitrobenzene-d5
 Concen: 91.959 ng
 RT: 10.07 min Scan# 1154
 Delta R.T. -0.01 min
 Lab File: BG033430.D
 Acq: 29 Mar 2018 21:28

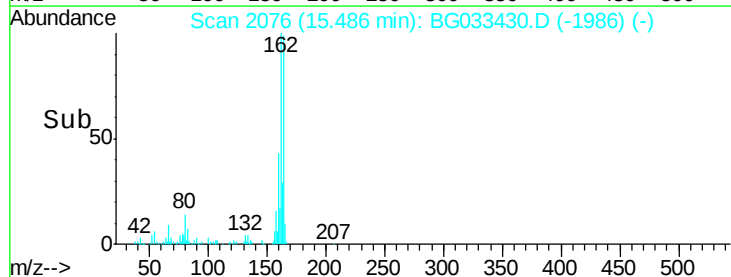
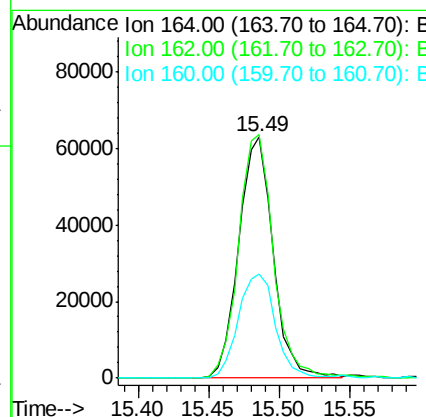
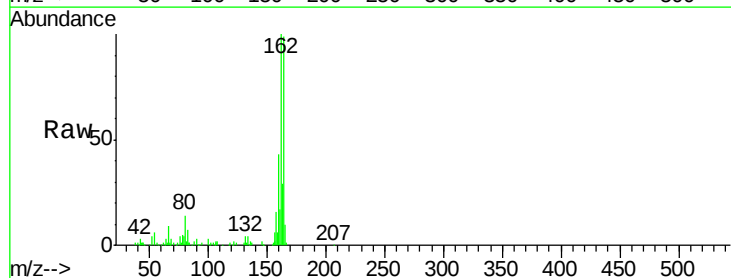
Instrument :
 BNA_G
 ClientSampleId :

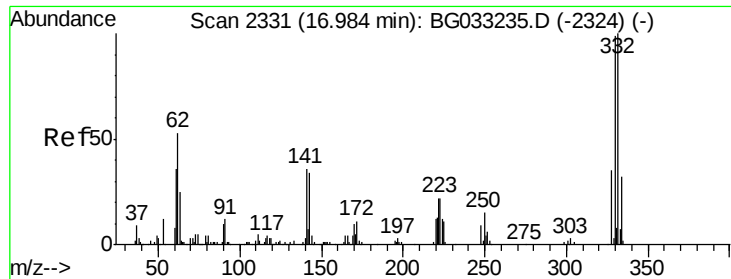
Tot Ion	82	Resp	267095
Ion Ratio	Lower	Upper	
82	100		
128	36.8	29.7	44.5
54	58.1	43.1	64.7



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. -0.00 min
 Lab File: BG033430.D
 Acq: 29 Mar 2018 21:28

Tgt Ion	164	Resp	107118
Ion Ratio	Lower	Upper	
164	100		
162	101.0	78.8	118.2
160	43.3	35.4	53.0

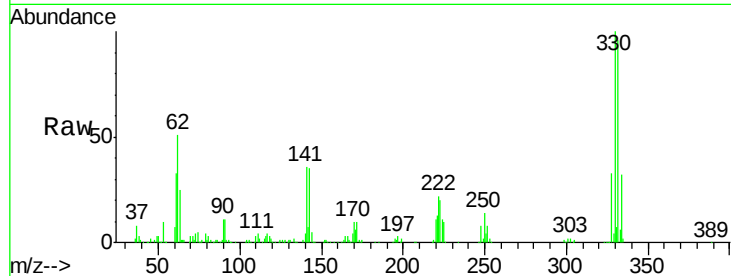




#41
 2,4,6-Tribromophenol
 Concen: 162.884 ng
 RT: 16.96 min Scan# 2327
 Delta R.T. 0.00 min
 Lab File: BG033430.D
 Acq: 29 Mar 2018 21:28

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	77.0	115.6
141	36.9	25.2	37.8

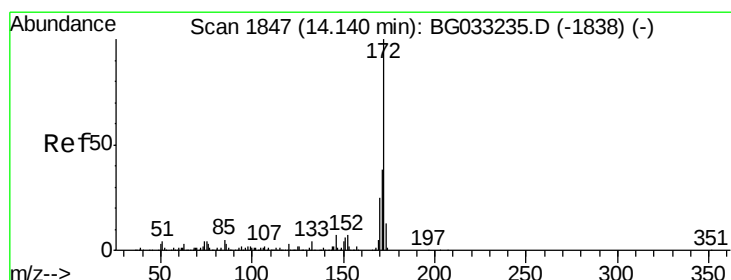
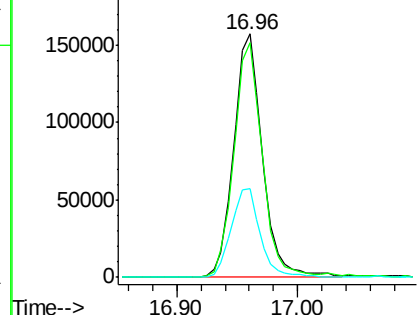
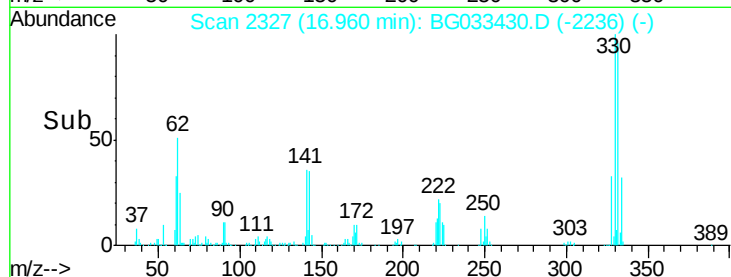


Abundance

Ion 329.80 (329.50 to 330.50): E

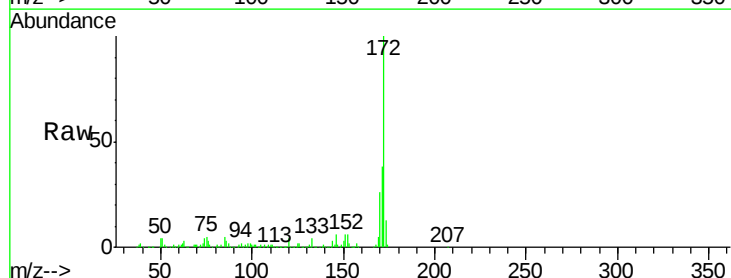
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 93.361 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033430.D
 Acq: 29 Mar 2018 21:28

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	30.0	45.0
170	25.7	19.5	29.3

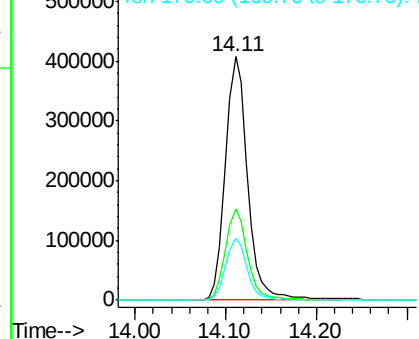
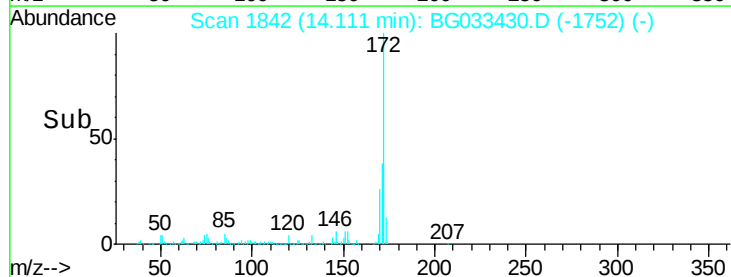


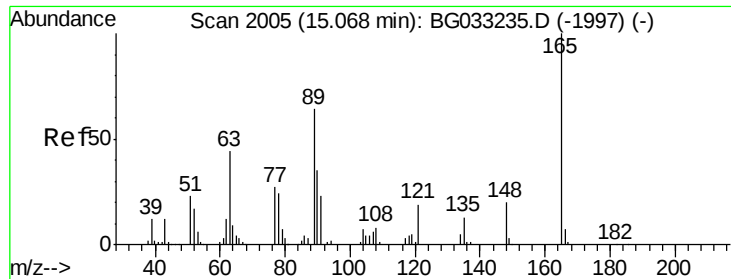
Abundance

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

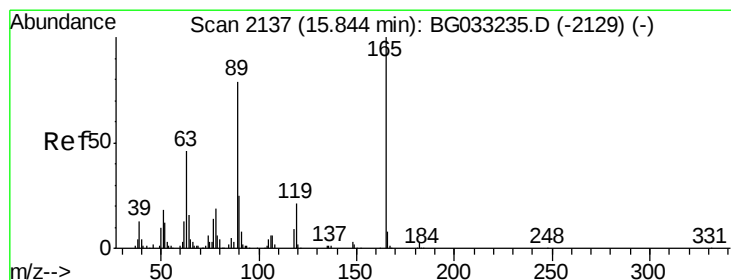
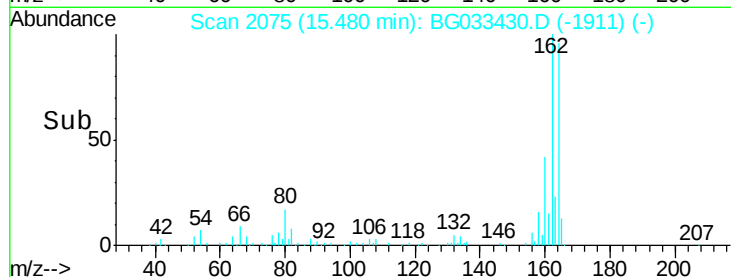
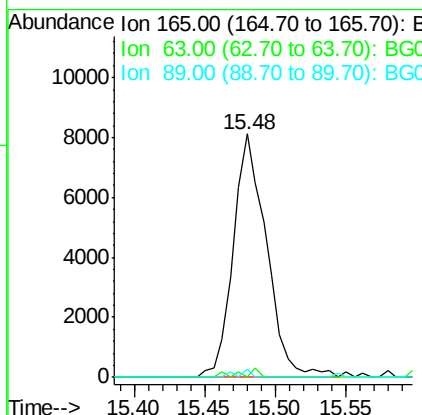
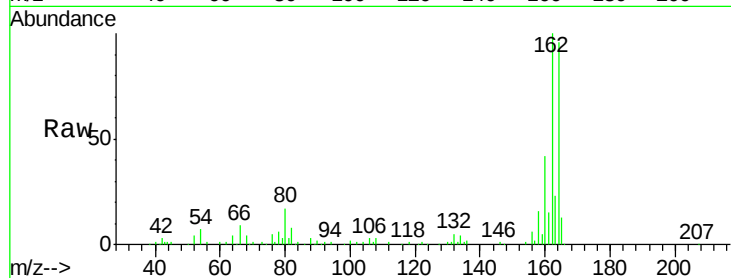




#50
 2,6-Dinitrotoluene
 Concen: 7.000 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. 0.43 min
 Lab File: BG033430.D
 Acq: 29 Mar 2018 21:28

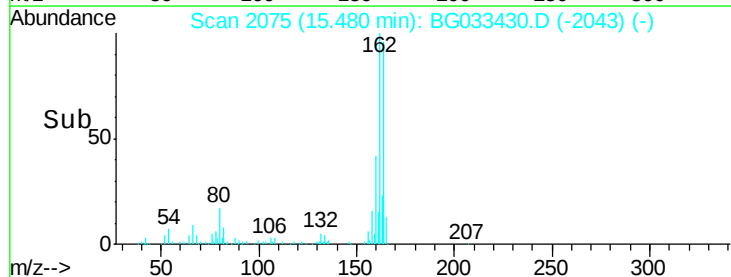
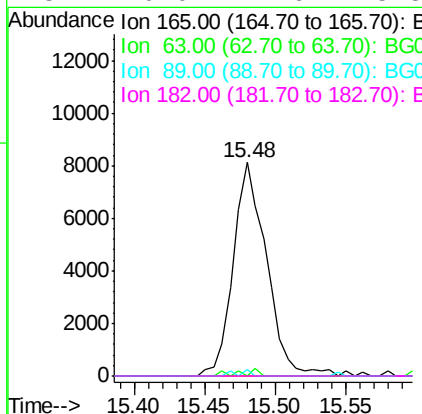
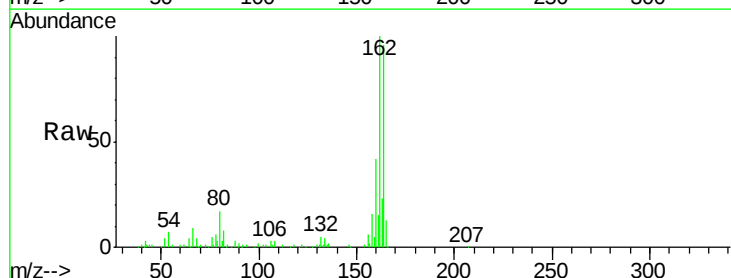
Instrument :
 BNA_G
 ClientSampleId :

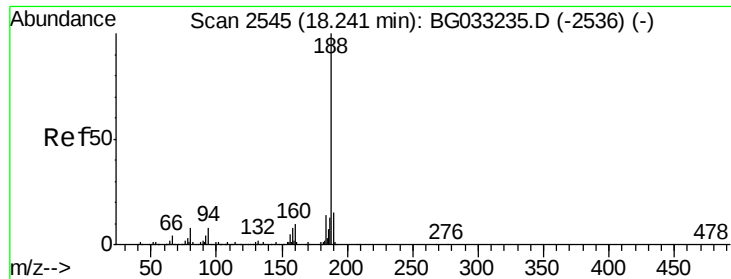
Tot Ion:165 Resp: 13342
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.2 49.2 73.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.754 ng
 RT: 15.48 min Scan# 2075
 Delta R.T. -0.34 min
 Lab File: BG033430.D
 Acq: 29 Mar 2018 21:28

Tgt Ion:165 Resp: 13342
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 3.2 66.9 100.3#
 182 0.0 2.6 3.8#

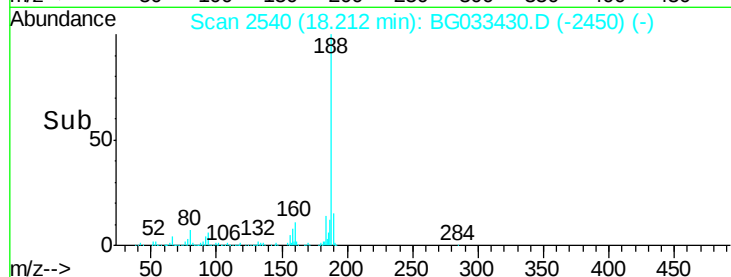
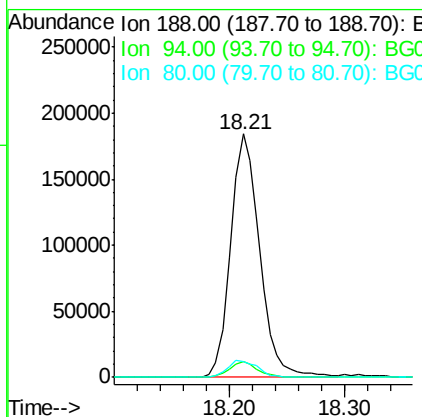
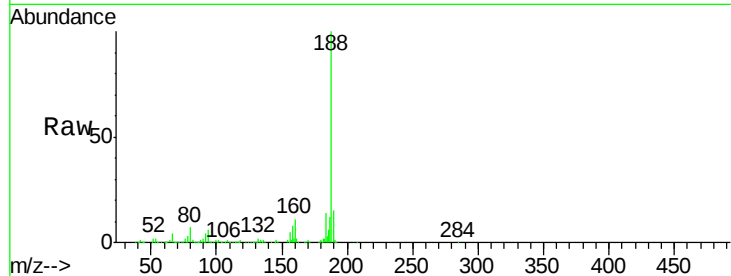




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.00 min
Lab File: BG033430.D
Acq: 29 Mar 2018 21:28

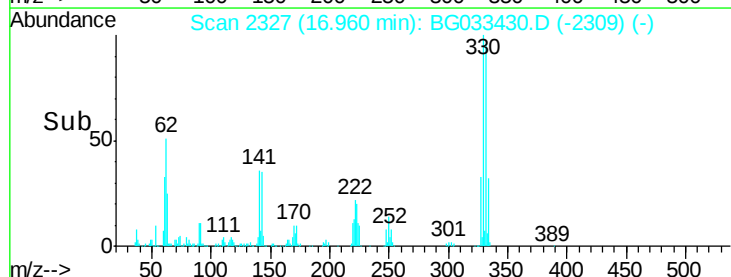
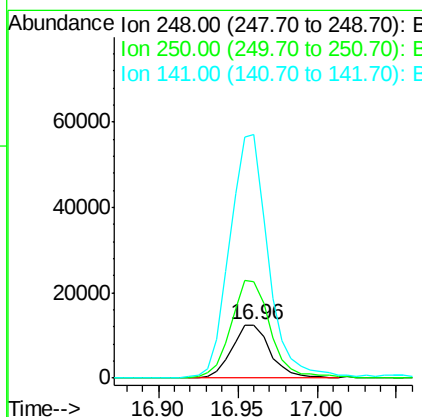
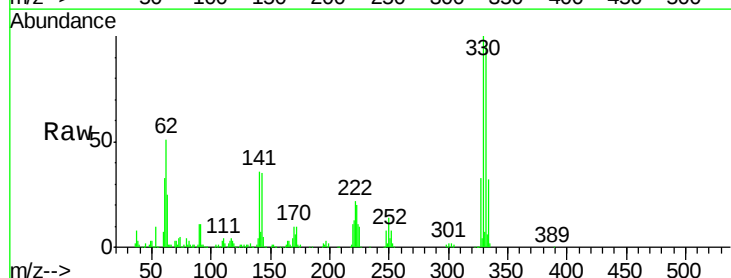
Instrument :
BNA_G
ClientSampled :

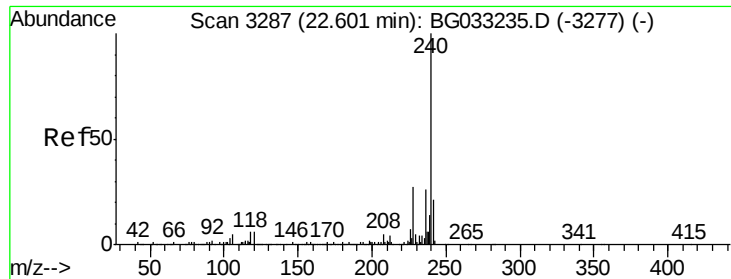
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.5	6.9	10.3#
80	6.6	7.7	11.5#



#66
4-Bromophenyl-phenylether
Concen: 5.570 ng
RT: 16.96 min Scan# 2327
Delta R.T. -0.43 min
Lab File: BG033430.D
Acq: 29 Mar 2018 21:28

Tgt Ion	Ratio	Lower	Upper
248	100		
250	182.9	77.1	115.7#
141	460.0	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033430.D

Acq: 29 Mar 2018 21:28

Instrument :

BNA_G

ClientSampled :

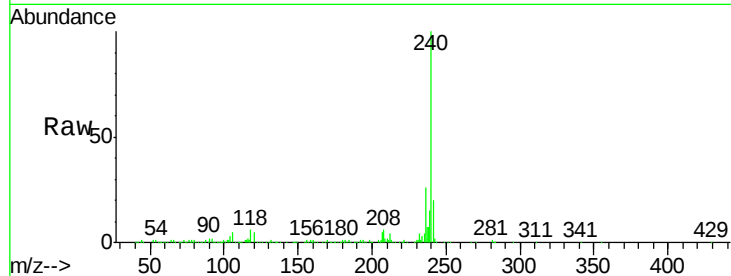
Tot Ion:240 Resp: 348294

Ion Ratio Lower Upper

240 100

120 5.3 6.8 10.2#

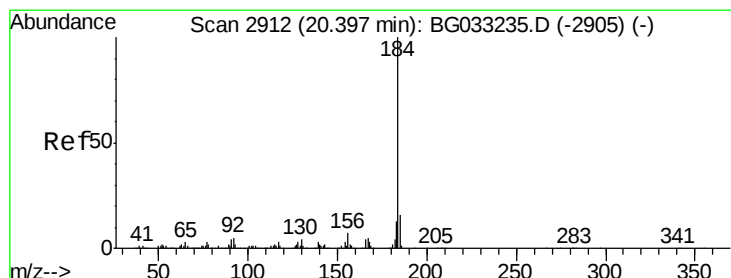
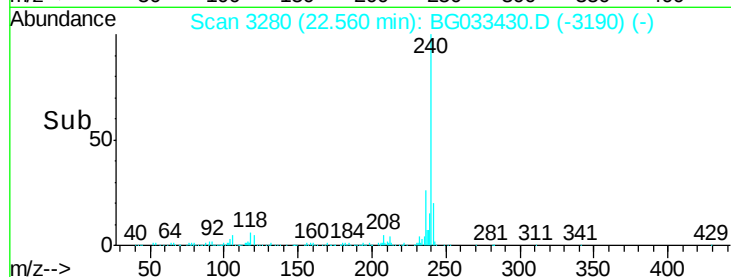
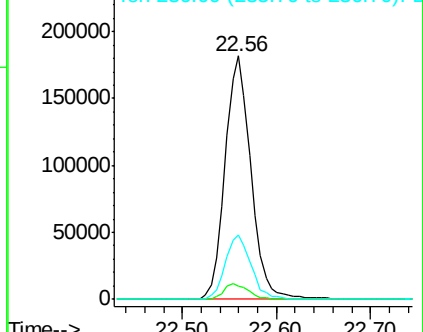
236 26.4 20.9 31.3



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: 2.686 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033430.D

Acq: 29 Mar 2018 21:28

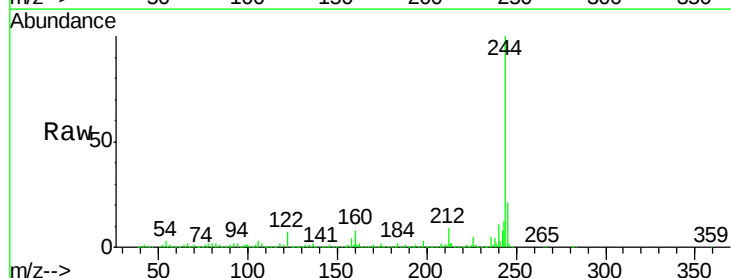
Tgt Ion:184 Resp: 25373

Ion Ratio Lower Upper

184 100

185 22.1 11.1 16.7#

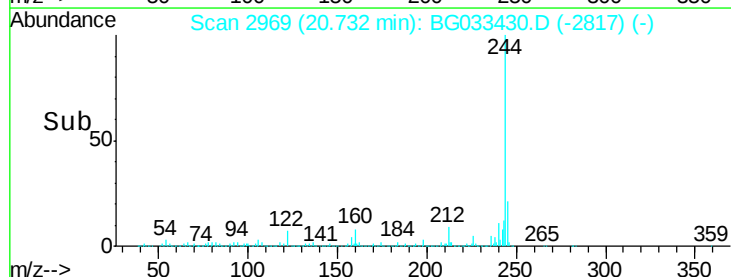
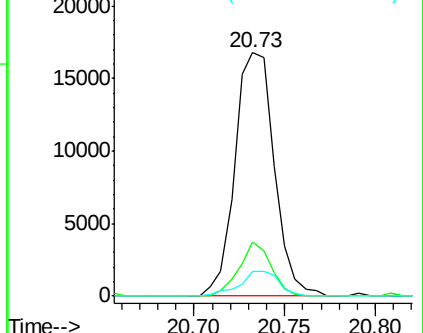
183 10.1 10.6 16.0#

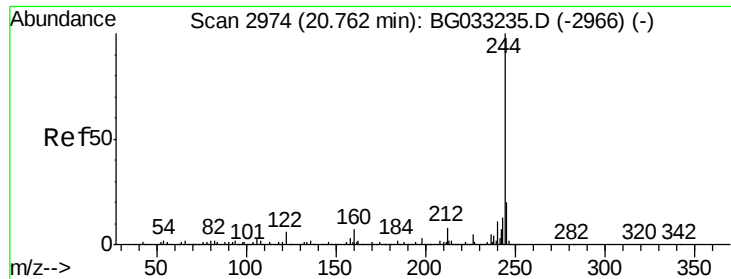


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 95.694 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033430.D

Acq: 29 Mar 2018 21:28

Instrument :

BNA_G

ClientSampled :

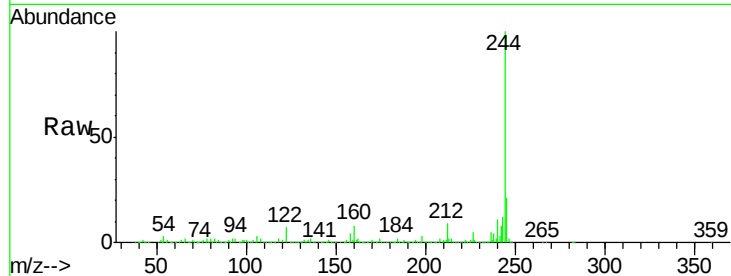
Tot Ion:244 Resp: 1558470

Ion Ratio Lower Upper

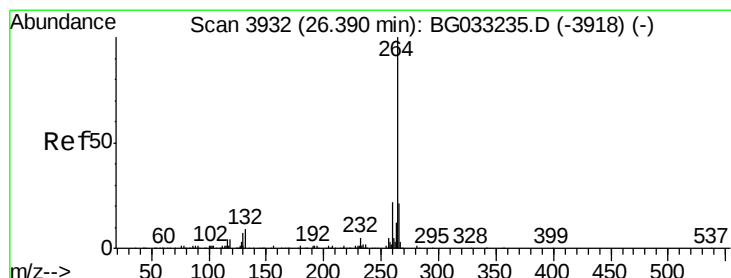
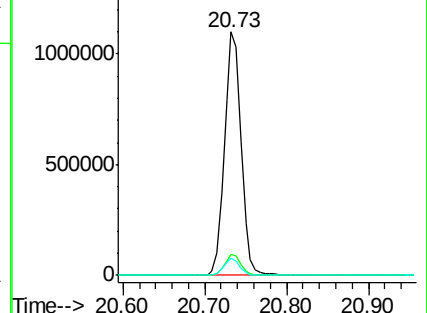
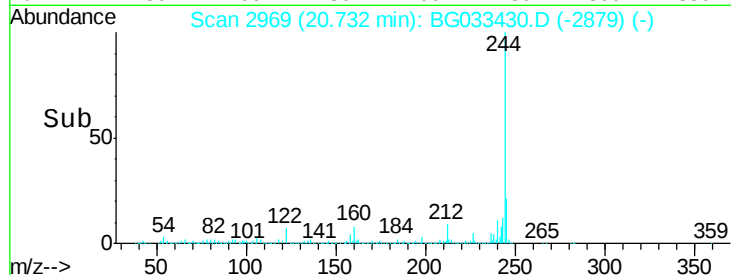
244 100

212 8.8 5.8 8.8

122 7.1 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: 26.33 min Scan# 3921

Delta R.T. -0.01 min

Lab File: BG033430.D

Acq: 29 Mar 2018 21:28

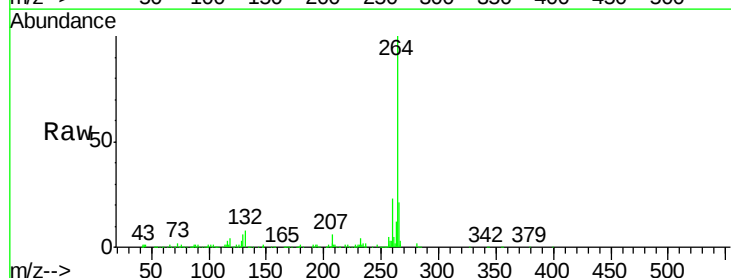
Tgt Ion:264 Resp: 369733

Ion Ratio Lower Upper

264 100

260 23.0 17.4 26.0

265 21.0 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

