

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032818\
 Data File : BG033415.D
 Acq On : 29 Mar 2018 11:05
 Operator : SJ/JU
 Sample : J2066-03
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 29 11:42:44 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

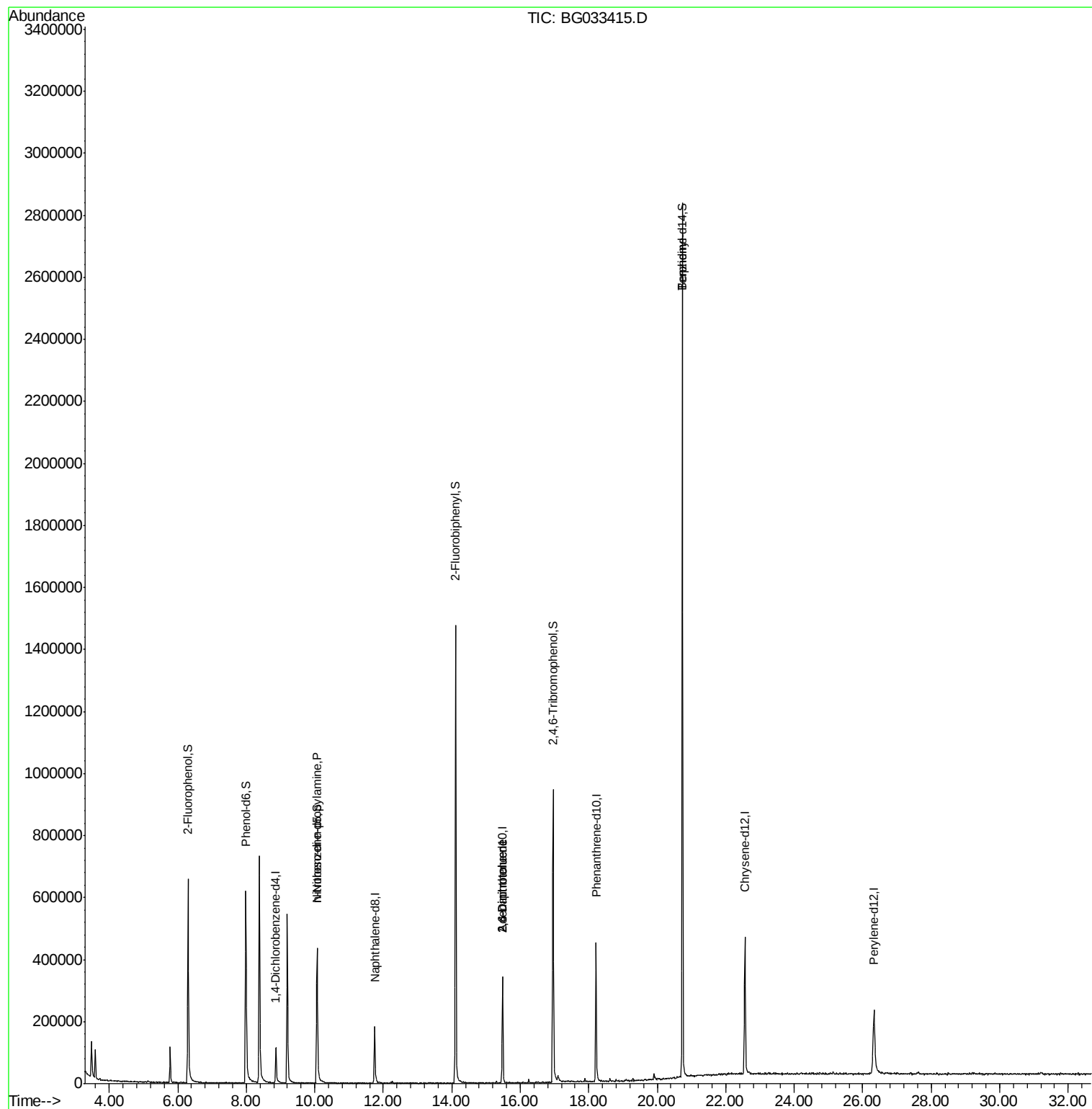
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	41897	20.00	ng	-0.01
21) Naphthalene-d8	11.75	136	178856	20.00	ng	0.00
38) Acenaphthene-d10	15.49	164	132042	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	319188	20.00	ng	0.00
75) Chrysene-d12	22.56	240	329275	20.00	ng	0.00
86) Perylene-d12	26.33	264	321527	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	316558	141.68	ng	0.00
7) Phenol-d6	7.99	99	439205	114.40	ng	0.00
23) Nitrobenzene-d5	10.07	82	345025	88.63	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	211639	107.17	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	834223	91.21	ng	0.00
78) Terphenyl-d14	20.73	244	1459064	94.76	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.07	70	47342	16.829	ng	# 75
50) 2,6-Dinitrotoluene	15.49	165	17925	7.629	ng	# 22
56) 2,4-Dinitrotoluene	15.49	165	17924	5.181	ng	# 19
76) Benzidine	20.73	184	25267	2.830	ng	# 90

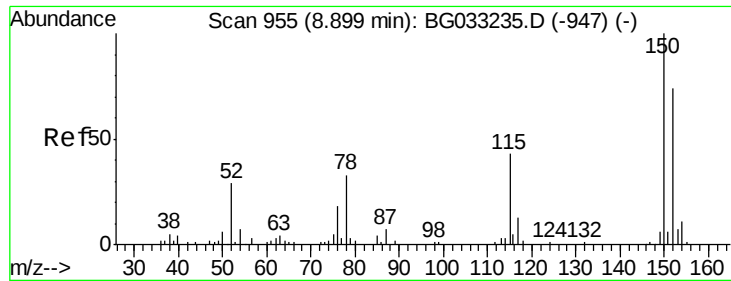
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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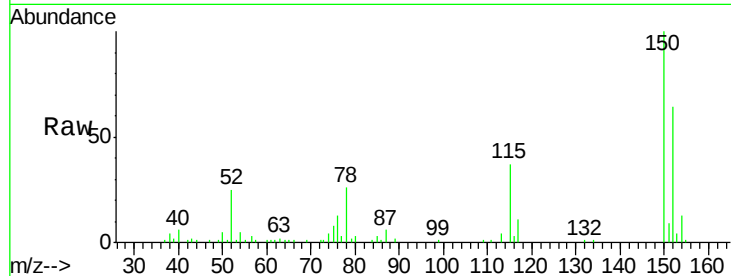


#1

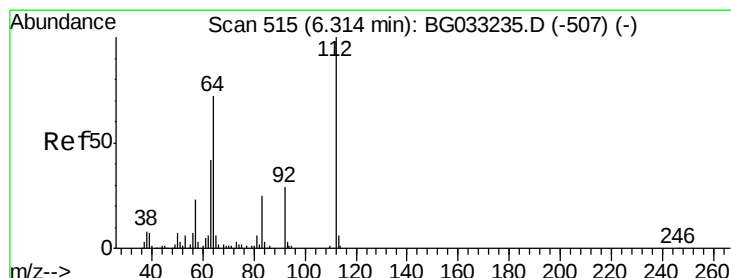
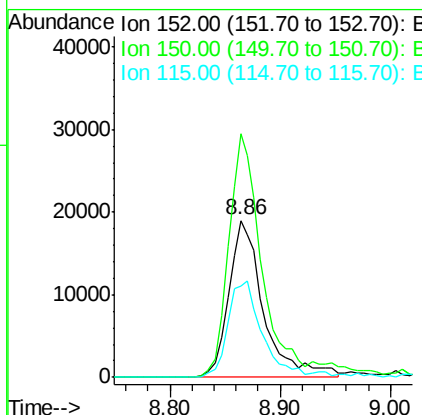
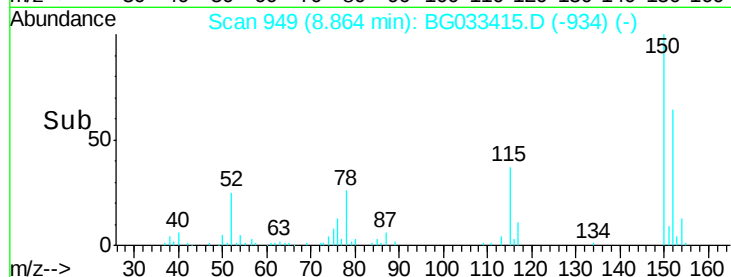
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.01 min
Lab File: BG033415.D
Acq: 29 Mar 2018 11:05

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.3	126.6	189.8
115	58.2	53.0	79.4



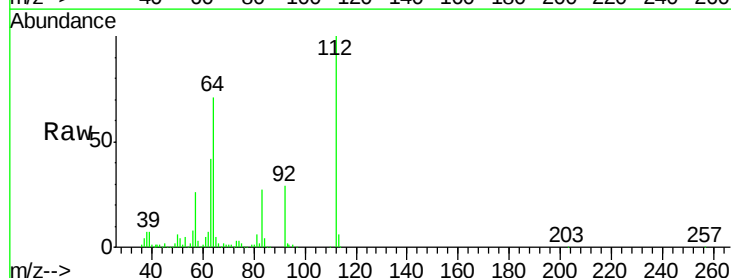
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



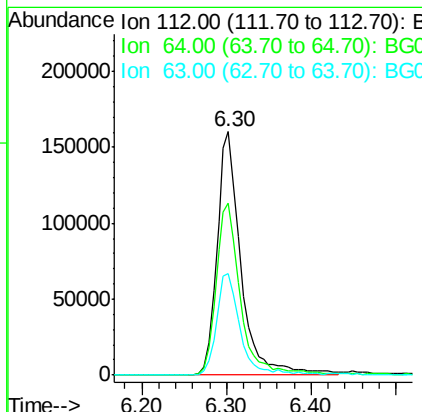
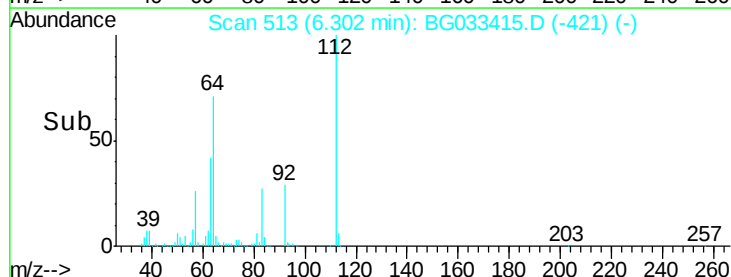
#5

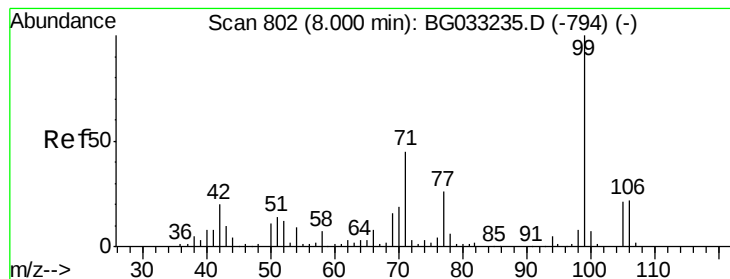
2-Fluorophenol
Concen: 141.677 ng
RT: 6.30 min Scan# 513
Delta R.T. 0.01 min
Lab File: BG033415.D
Acq: 29 Mar 2018 11:05

Tgt Ion	Ratio	Lower	Upper
112	100		
64	70.5	56.3	84.5
63	42.0	30.1	45.1



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





#7

Phenol-d6

Concen: 114.403 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG033415.D

Acq: 29 Mar 2018 11:05

Instrument :

BNA_G

ClientSampled :

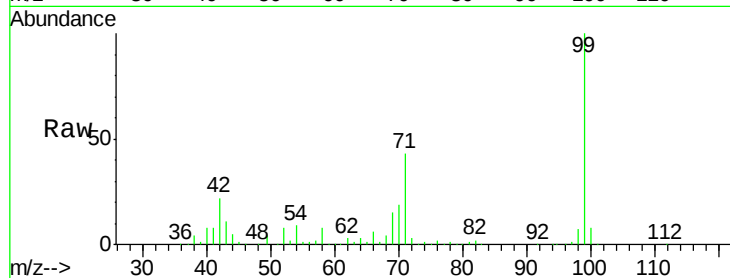
Tot Ion: 99 Resp: 439205

Ion Ratio Lower Upper

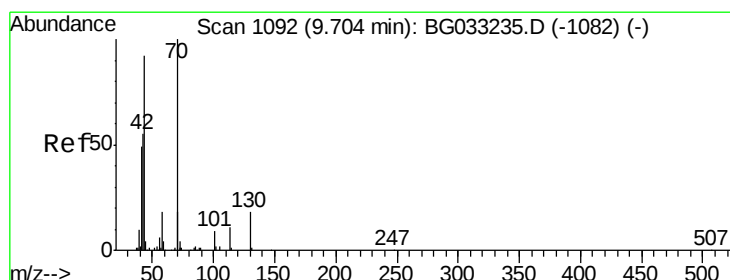
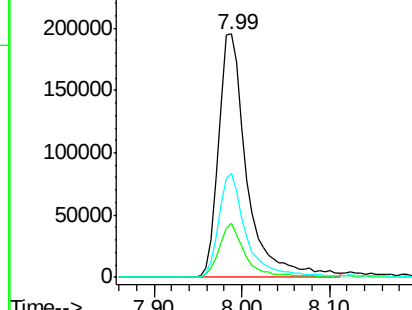
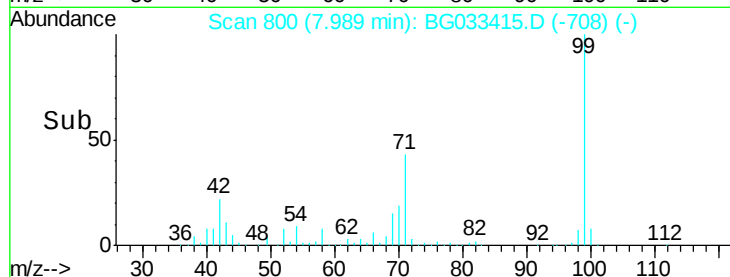
99 100

42 22.1 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



#19

n-Nitroso-di-n-propylamine

Concen: 16.829 ng

RT: 10.07 min Scan# 1154

Delta R.T. 0.39 min

Lab File: BG033415.D

Acq: 29 Mar 2018 11:05

Tgt Ion: 70 Resp: 47342

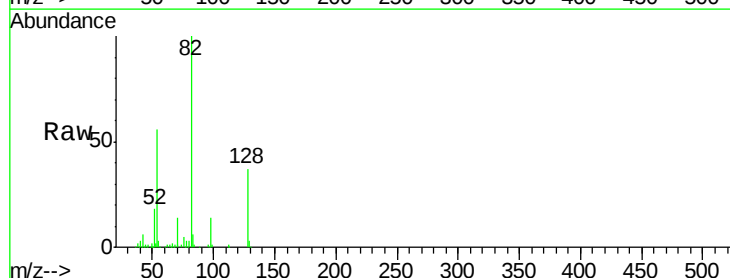
Ion Ratio Lower Upper

70 100

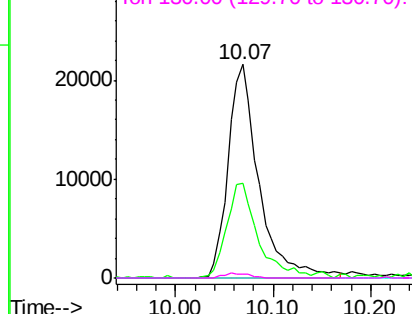
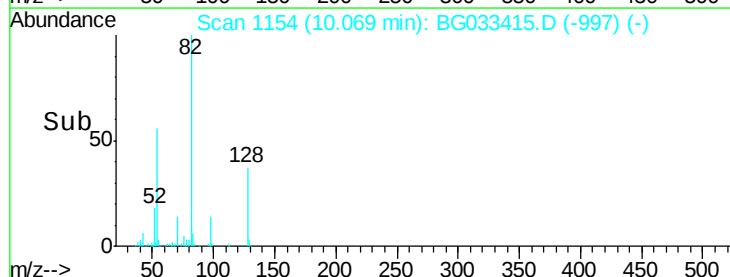
42 44.5 49.1 73.7#

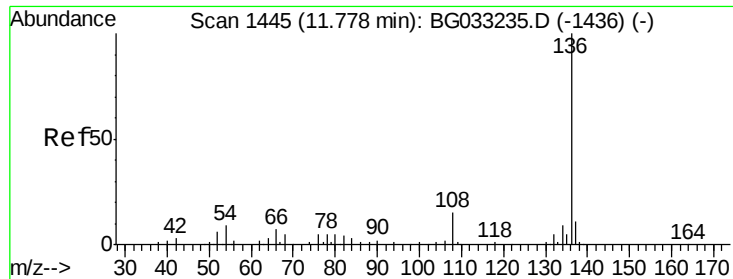
101 0.0 8.5 12.7#

130 2.1 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: 11.75 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BG033415.D

Acq: 29 Mar 2018 11:05

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 178856

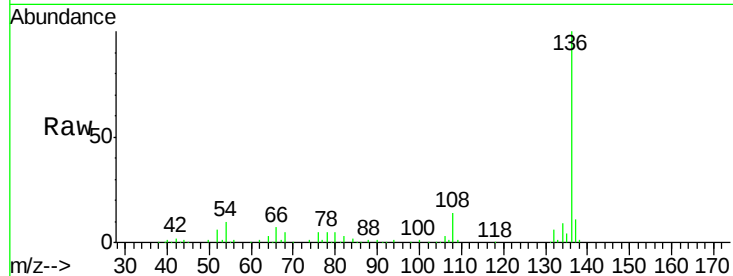
Ion Ratio Lower Upper

136 100

137 11.0 9.2 13.8

54 9.6 10.3 15.5#

68 5.1 4.5 6.7

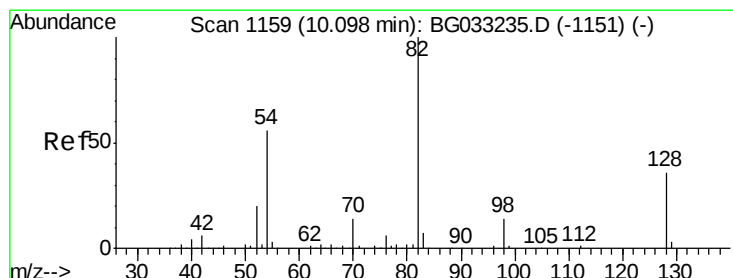
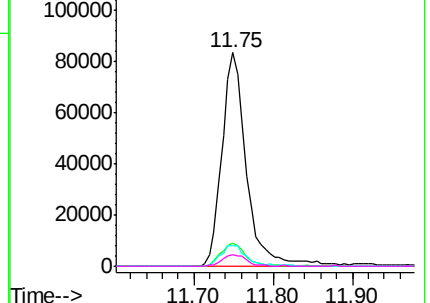
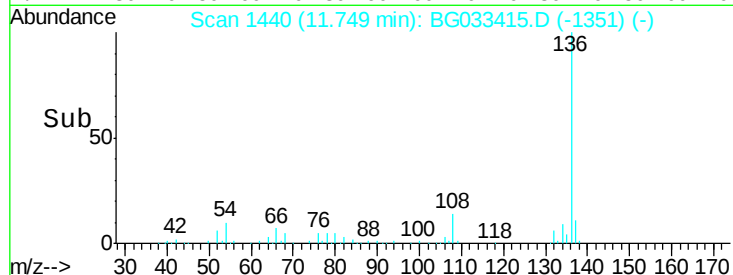


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BGC

Ion 68.00 (67.70 to 68.70): BGC



#23

Nitrobenzene-d5

Concen: 88.629 ng

RT: 10.07 min Scan# 1154

Delta R.T. -0.01 min

Lab File: BG033415.D

Acq: 29 Mar 2018 11:05

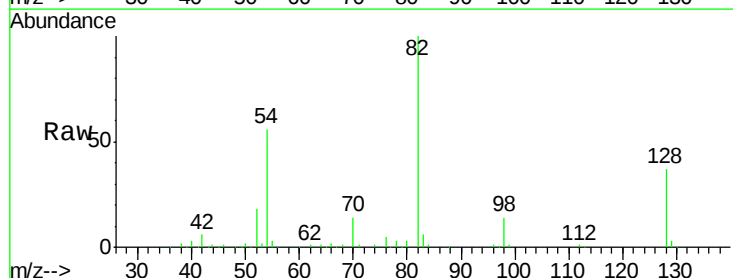
Tgt Ion: 82 Resp: 345025

Ion Ratio Lower Upper

82 100

128 36.8 29.7 44.5

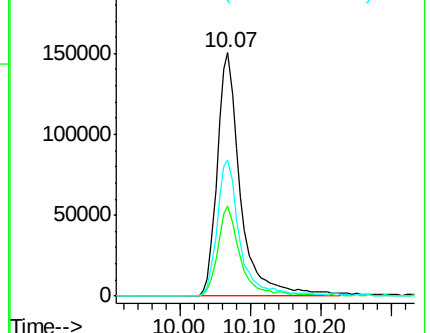
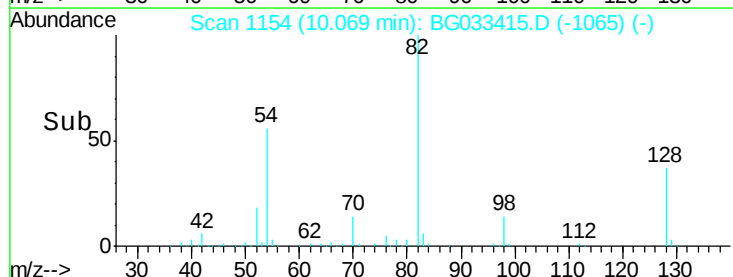
54 55.8 43.1 64.7



Abundance Ion 82.00 (81.70 to 82.70): BGC

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BGC

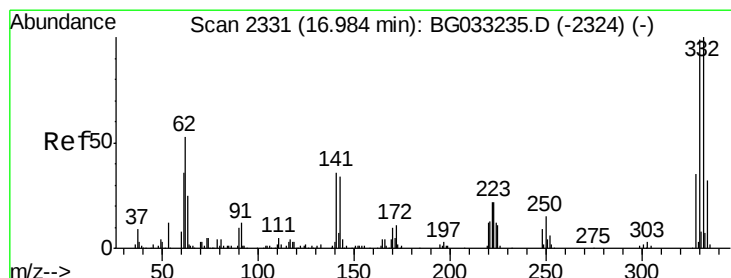
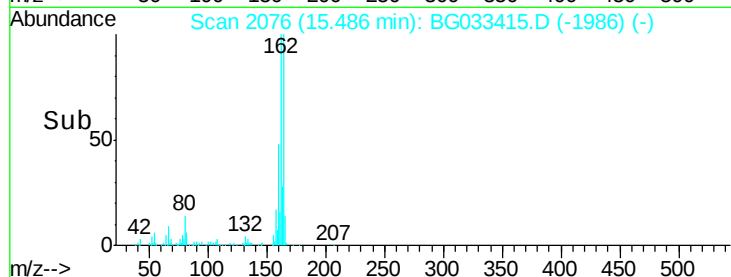
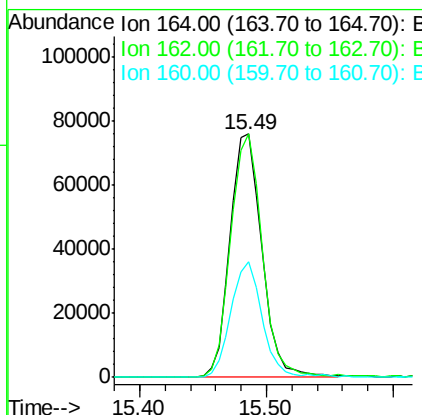
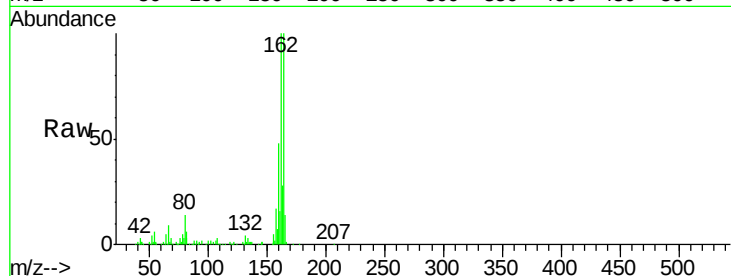




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.49 min Scan# 2076
Delta R.T. -0.00 min
Lab File: BG033415.D
Acq: 29 Mar 2018 11:05

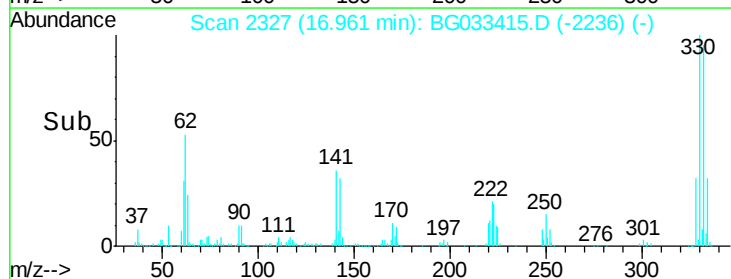
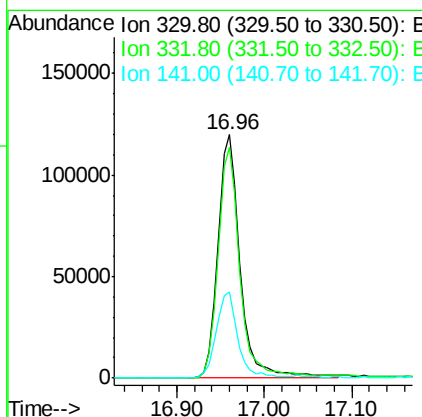
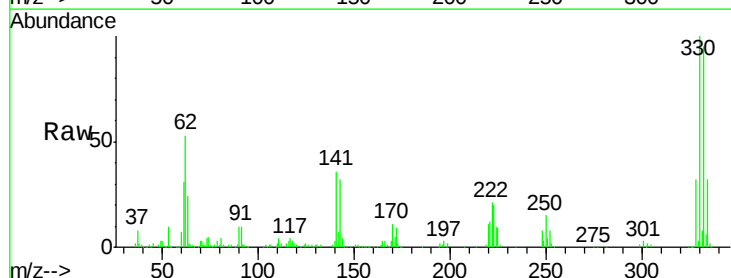
Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 132042
Ion Ratio Lower Upper
164 100
162 99.8 78.8 118.2
160 47.5 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 107.168 ng
RT: 16.96 min Scan# 2327
Delta R.T. 0.00 min
Lab File: BG033415.D
Acq: 29 Mar 2018 11:05

Tgt Ion:330 Resp: 211639
Ion Ratio Lower Upper
330 100
332 92.9 77.0 115.6
141 34.3 25.2 37.8

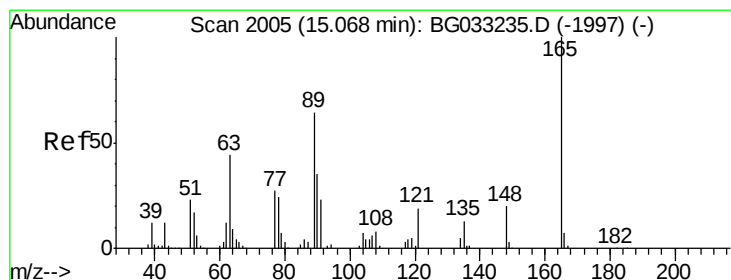
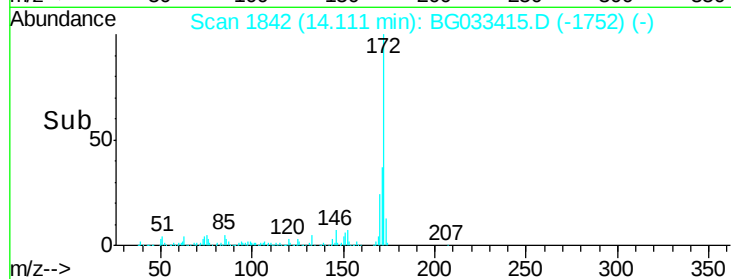
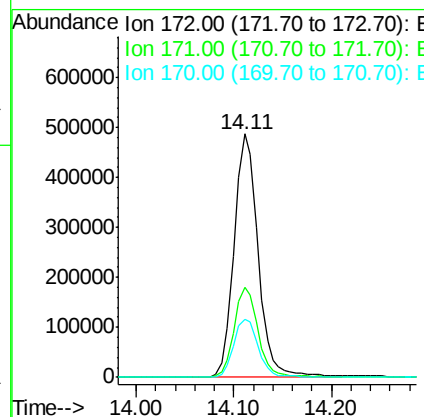
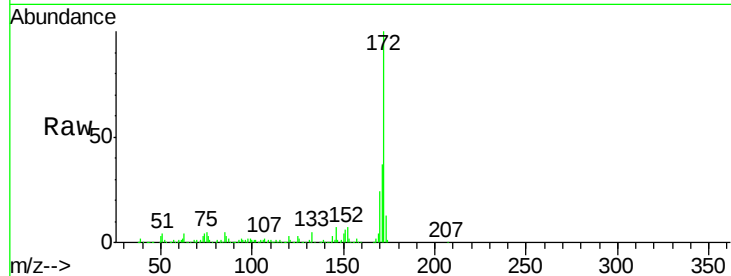




#44
 2-Fluorobiphenyl
 Concen: 91.207 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033415.D
 Acq: 29 Mar 2018 11:05

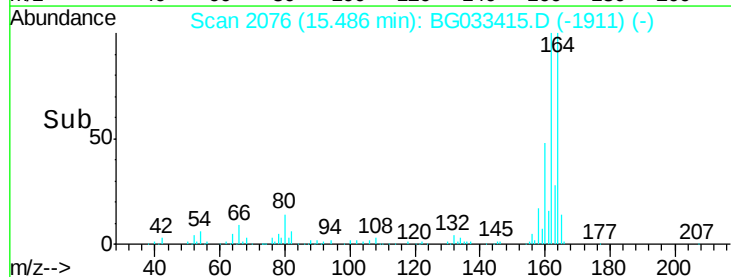
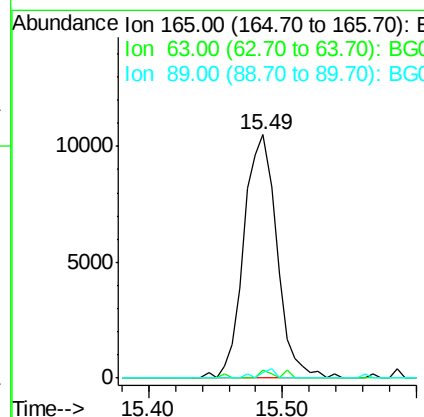
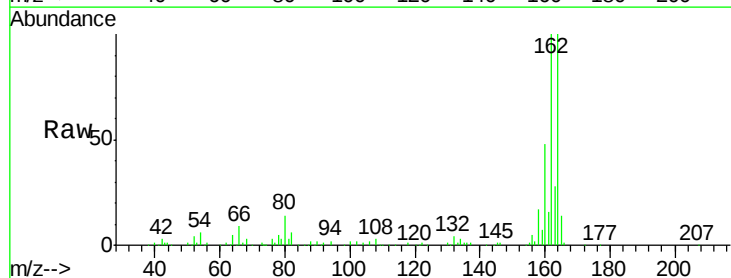
Instrument :
 BNA_G
 ClientSampleId :

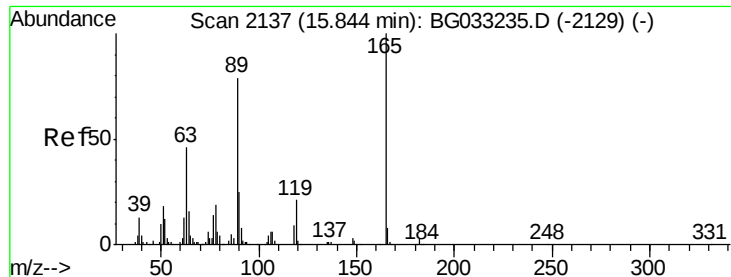
Tot Ion:172 Resp: 834223
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 24.1 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.629 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. 0.44 min
 Lab File: BG033415.D
 Acq: 29 Mar 2018 11:05

Tgt Ion:165 Resp: 17925
 Ion Ratio Lower Upper
 165 100
 63 3.1 52.7 79.1#
 89 2.3 49.2 73.8#

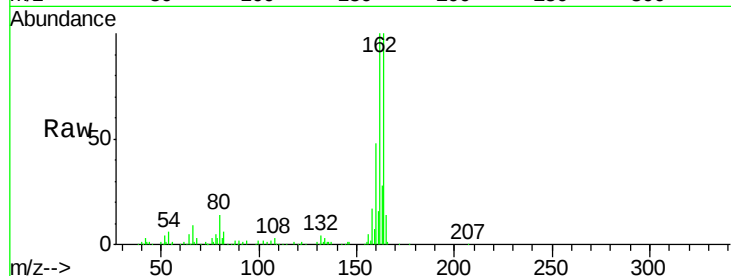




#56
 2,4-Dinitrotoluene
 Concen: 5.181 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. -0.34 min
 Lab File: BG033415.D
 Acq: 29 Mar 2018 11:05

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	3.1	42.0	63.0#
89	2.3	66.9	100.3#
182	0.0	2.6	3.8#

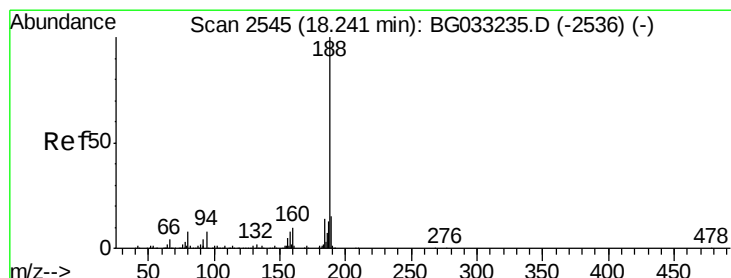
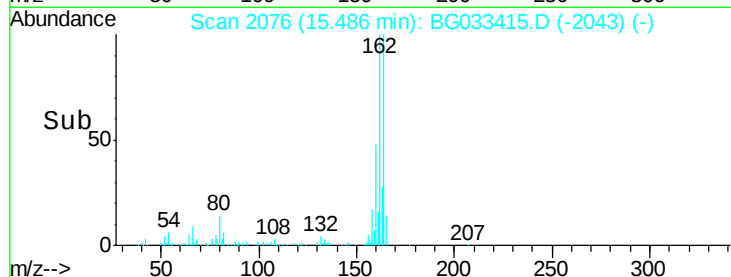
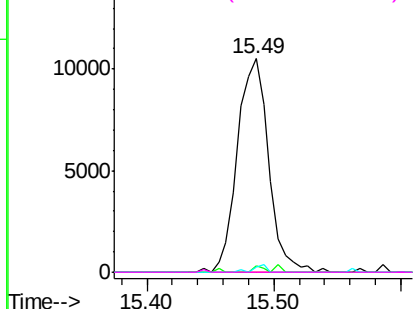


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

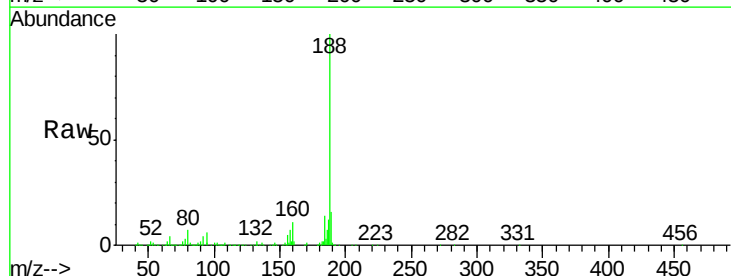
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. -0.00 min
 Lab File: BG033415.D
 Acq: 29 Mar 2018 11:05

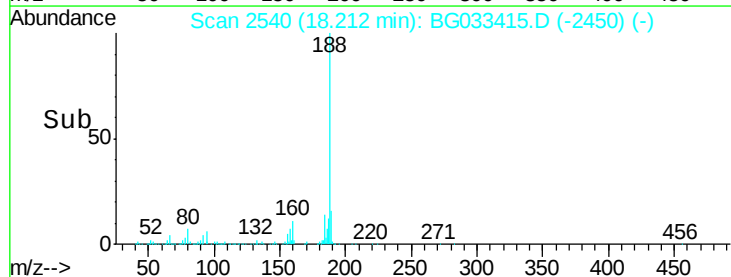
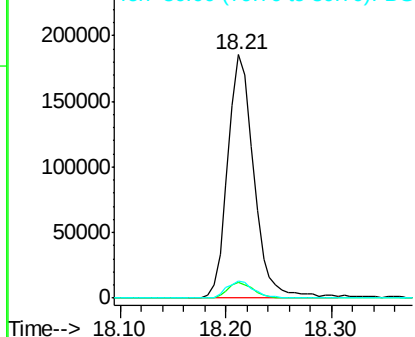
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.0	6.9	10.3
80	7.0	7.7	11.5#

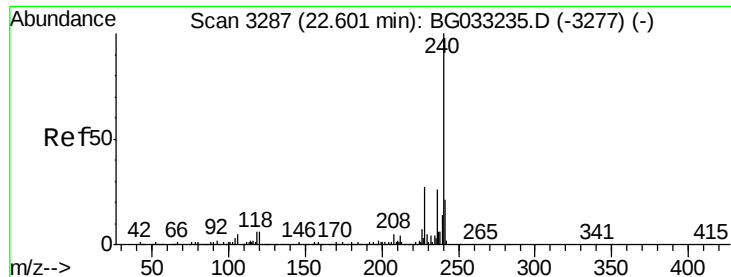


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.00 min

Lab File: BG033415.D

Acq: 29 Mar 2018 11:05

Instrument :

BNA_G

ClientSampled :

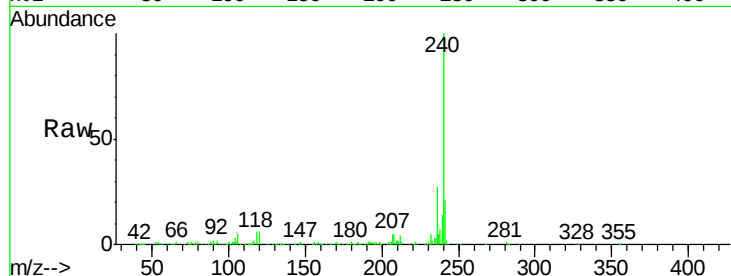
Tot Ion:240 Resp: 329275

Ion Ratio Lower Upper

240 100

120 6.4 6.8 10.2#

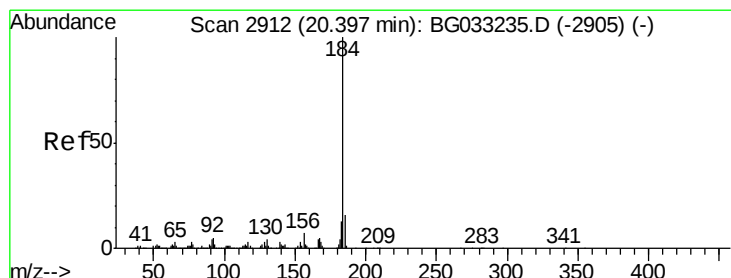
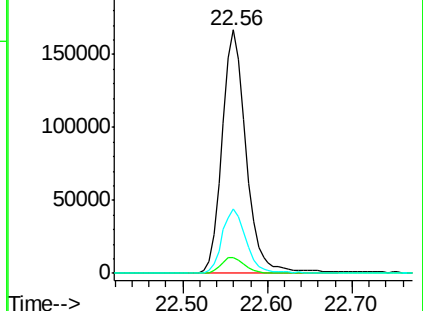
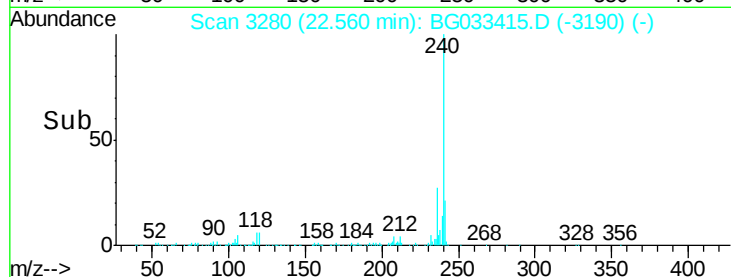
236 26.7 20.9 31.3



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: 2.830 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.36 min

Lab File: BG033415.D

Acq: 29 Mar 2018 11:05

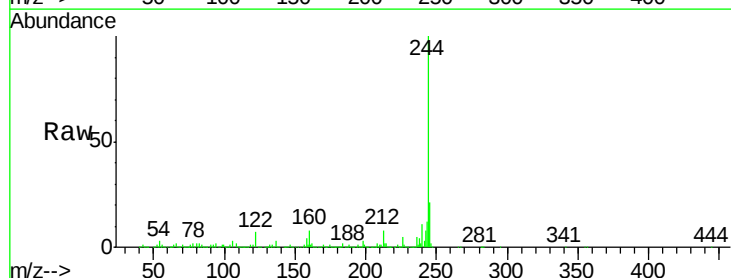
Tgt Ion:184 Resp: 25267

Ion Ratio Lower Upper

184 100

185 18.3 11.1 16.7#

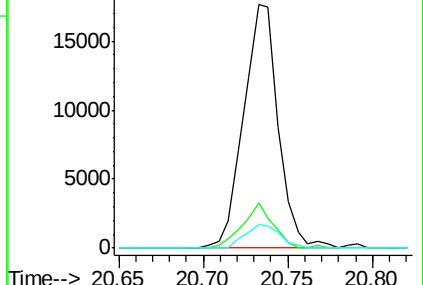
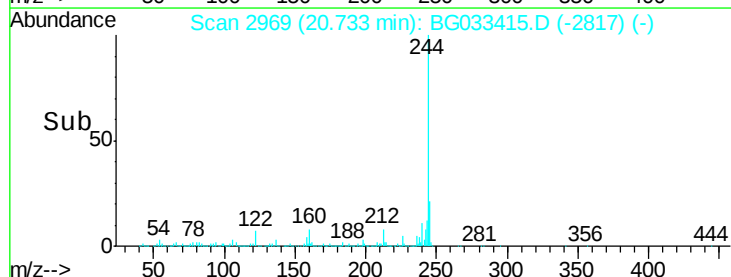
183 9.7 10.6 16.0#

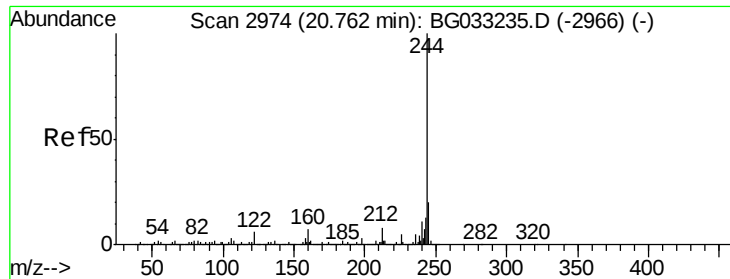


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 94.765 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG033415.D

Acq: 29 Mar 2018 11:05

Instrument :

BNA_G

ClientSampled :

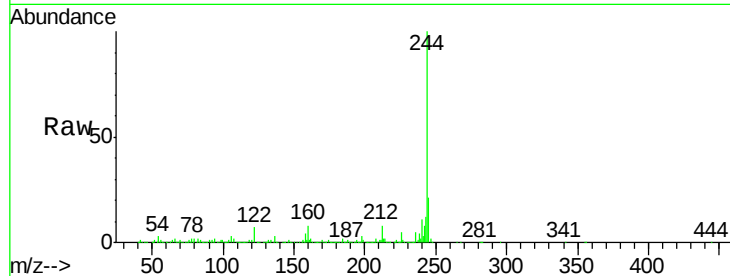
Tot Ion:244 Resp: 1459064

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

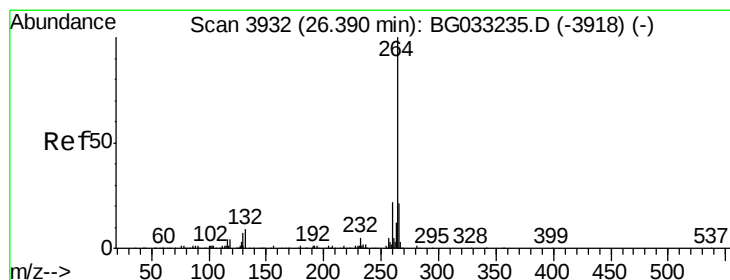
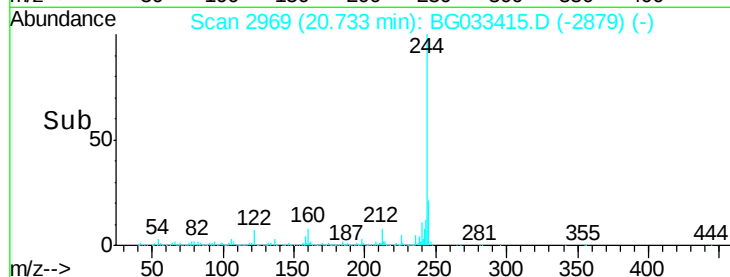
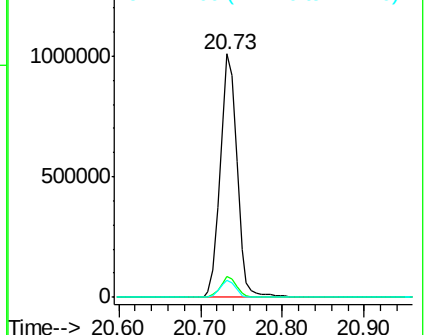
122 7.1 7.0 10.4



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: BG033415.D

Acq: 29 Mar 2018 11:05

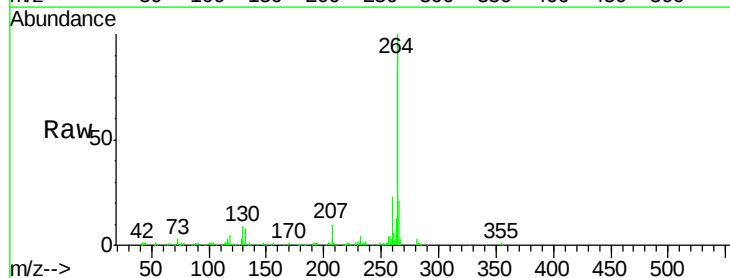
Tgt Ion:264 Resp: 321527

Ion Ratio Lower Upper

264 100

260 22.9 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

