

Data File : BG033409.D
Acq On : 29 Mar 2018 6:58
Operator : SJ/JU
Sample : J1749-06
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
BU-03-032618

Quant Time: Mar 29 07:45:56 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	44967	20.00	ng	-0.02
21) Naphthalene-d8	11.75	136	183247	20.00	ng	0.00
38) Acenaphthene-d10	15.48	164	133645	20.00	ng	0.00
63) Phenanthrene-d10	18.21	188	320837	20.00	ng	0.00
75) Chrysene-d12	22.56	240	325559	20.00	ng	0.00
86) Perylene-d12	26.33	264	328893	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.30	112	377132	157.26	ng	0.00
7) Phenol-d6	7.99	99	506954	123.04	ng	0.00
23) Nitrobenzene-d5	10.07	82	402091	100.81	ng	0.00
41) 2,4,6-Tribromophenol	16.96	330	224634	112.38	ng	0.00
44) 2-Fluorobiphenyl	14.11	172	958309	103.52	ng	0.00
78) Terphenyl-d14	20.74	244	1592399	104.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.07	70	54261	17.97	ng	# 72
50) 2,6-Dinitrotoluene	15.48	165	17381	7.31	ng	# 21
56) 2,4-Dinitrotoluene	15.48	165	17381	4.96	ng	# 19
66) 4-Bromophenyl-phenylether	16.96	248	16351	4.34	ng	# 1
76) Benzidine	20.74	184	27407	3.10	ng	# 95

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

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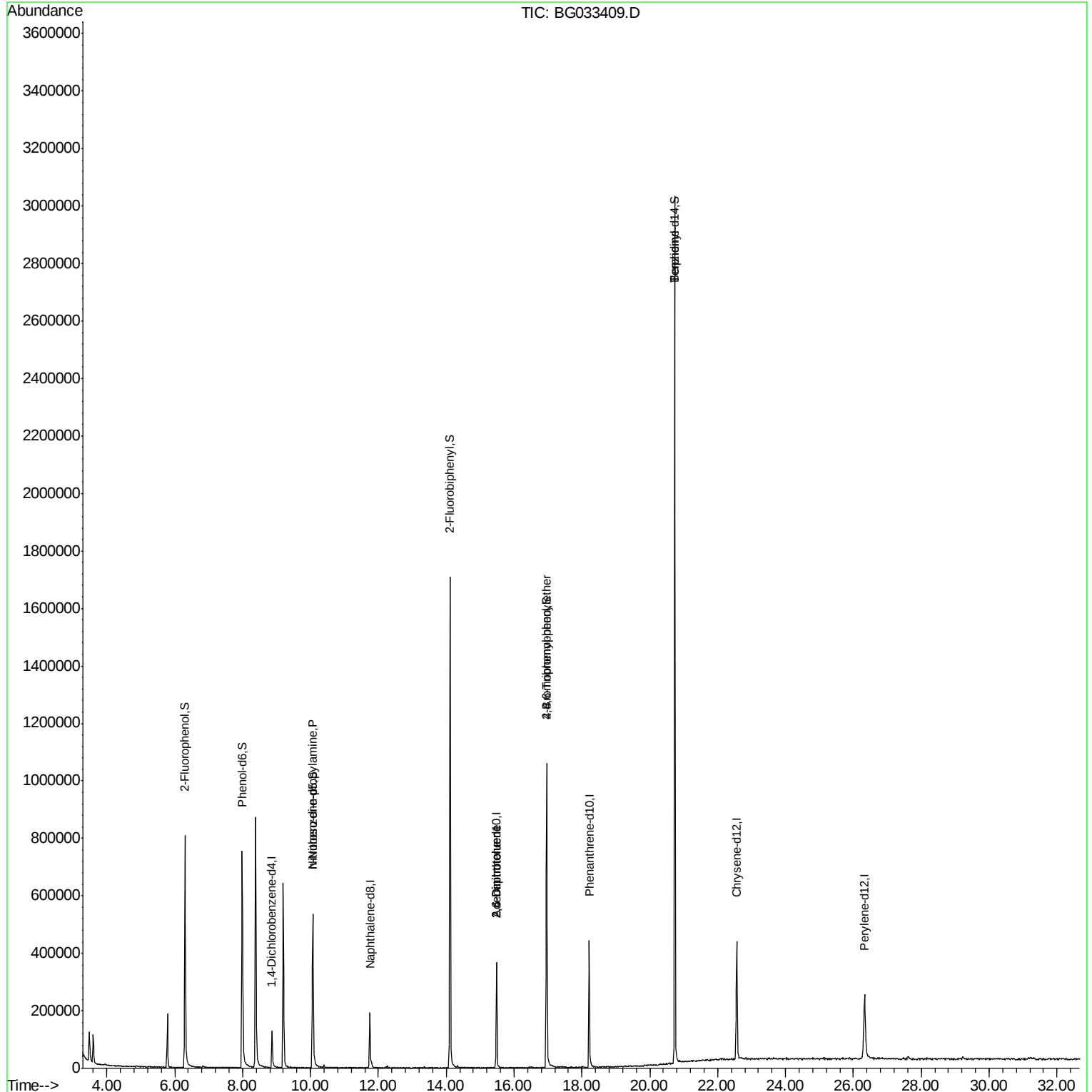
Quant Time: Mar 29 07:45:56 2018

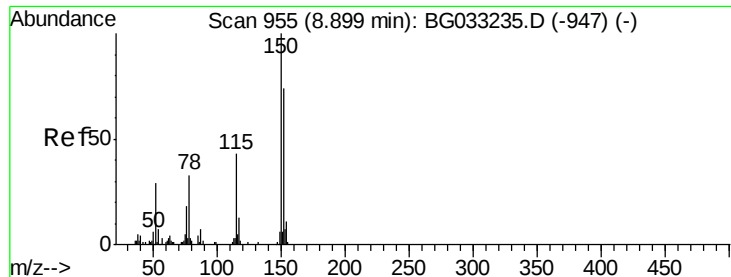
Quant Method : Z:\HPCHEM1\BNA_G\METHODS\8270-BG031918.M

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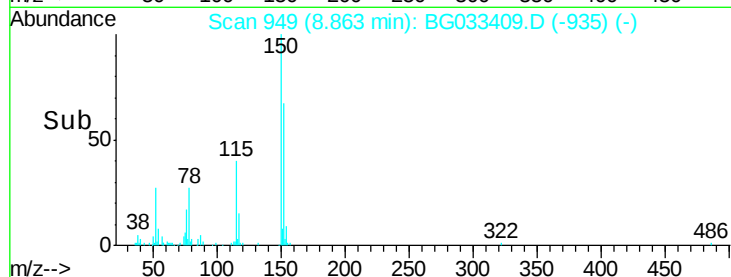
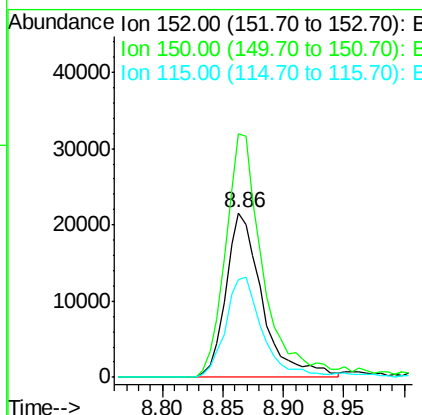
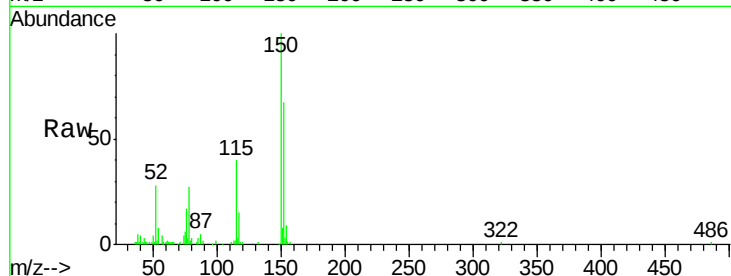


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.02 min
Lab File: BG033409.D
Acq: 29 Mar 2018 6:58

Instrument :
BNA_G
ClientSampleId :
BU-03-032618

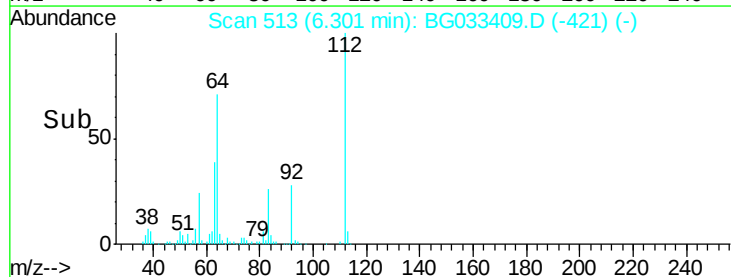
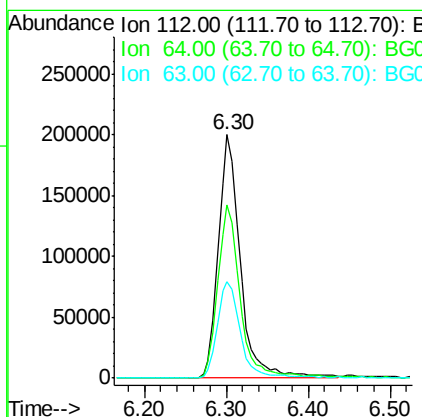
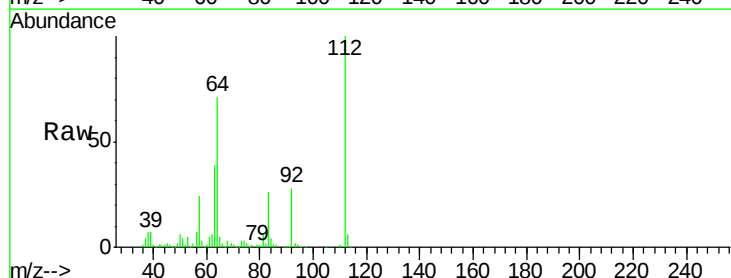
Tgt Ion:152 Resp: 44967
Ion Ratio Lower Upper
152 100
150 148.2 126.6 189.8
115 59.7 53.0 79.4

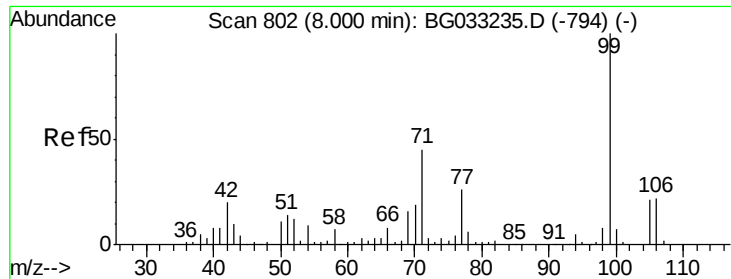


#5

2-Fluorophenol
Concen: 157.26 ng
RT: 6.30 min Scan# 513
Delta R.T. 0.01 min
Lab File: BG033409.D
Acq: 29 Mar 2018 6:58

Tgt Ion:112 Resp: 377132
Ion Ratio Lower Upper
112 100
64 70.9 56.3 84.5
63 39.4 30.1 45.1





#7

Phenol-d6

Concen: 123.04 ng

RT: 7.99 min Scan# 800

Delta R.T. 0.01 min

Lab File: BG033409.D

Acq: 29 Mar 2018 6:58

Instrument :

BNA_G

ClientSampleId :

BU-03-032618

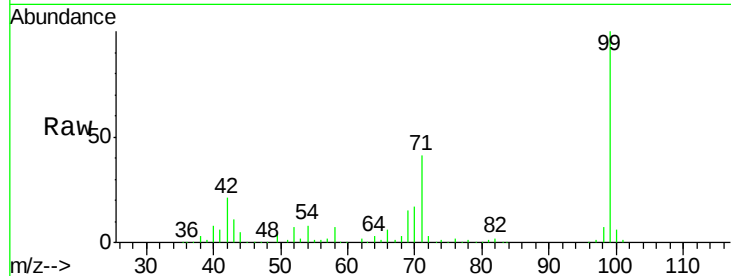
Tgt Ion: 99 Resp: 506954

Ion Ratio Lower Upper

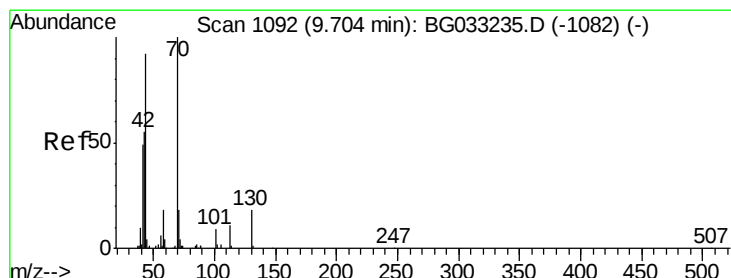
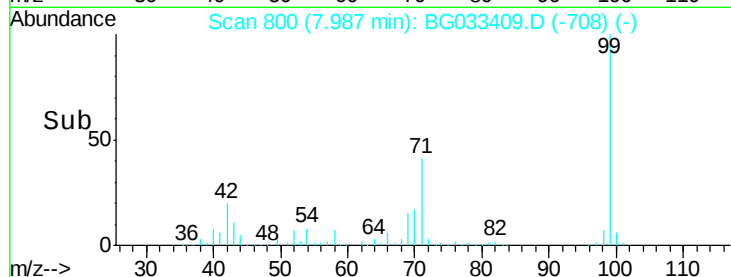
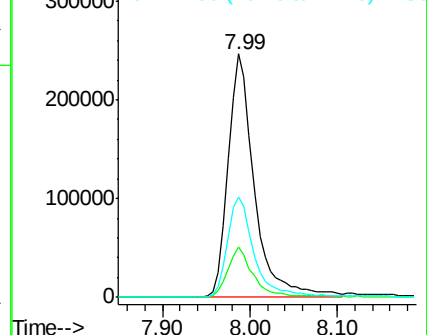
99 100

42 20.6 14.1 21.1

71 41.0 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: 17.97 ng

RT: 10.07 min Scan# 1154

Delta R.T. 0.39 min

Lab File: BG033409.D

Acq: 29 Mar 2018 6:58

Tgt Ion: 70 Resp: 54261

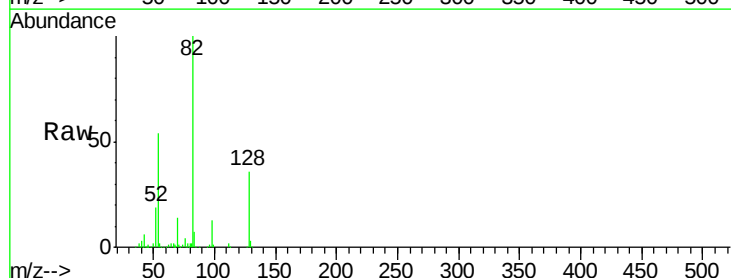
Ion Ratio Lower Upper

70 100

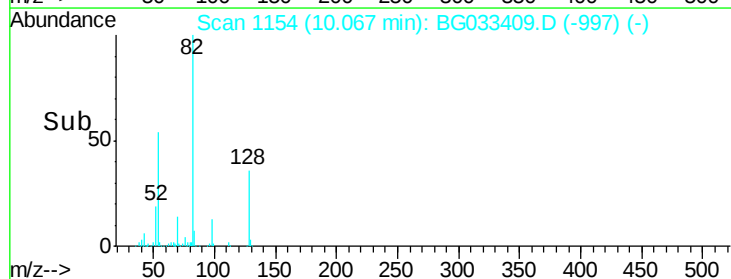
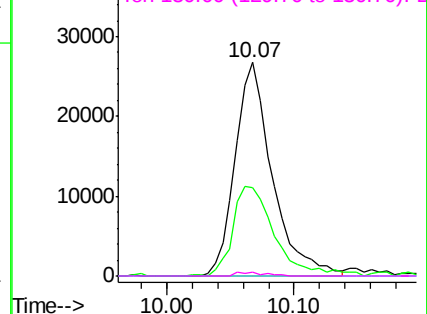
42 41.4 49.1 73.7#

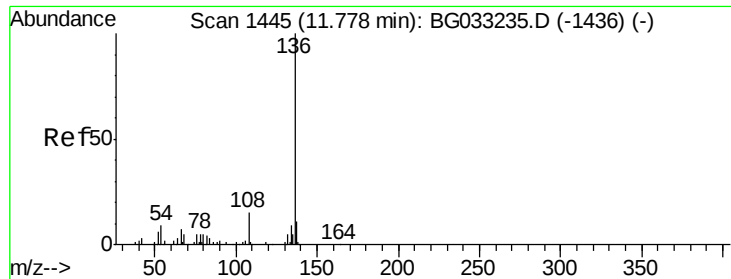
101 0.0 8.5 12.7#

130 1.9 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

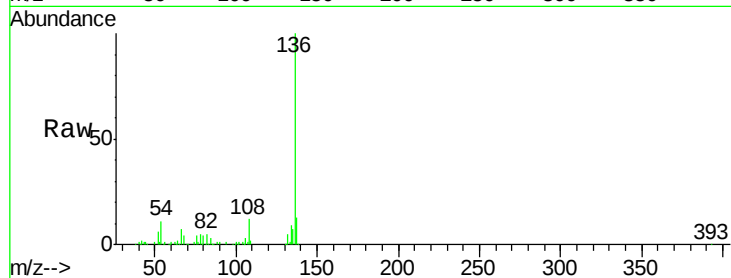




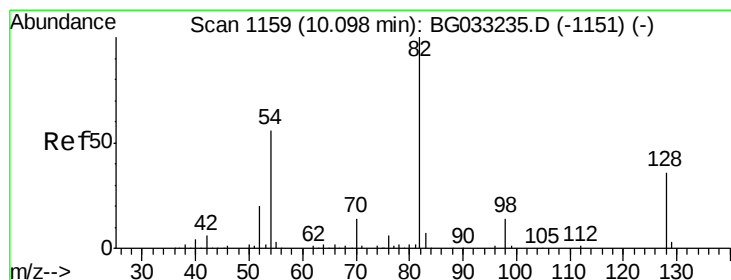
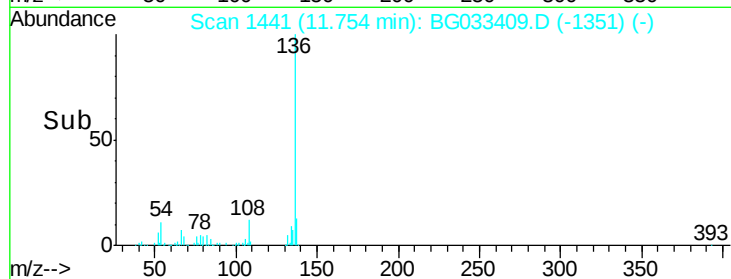
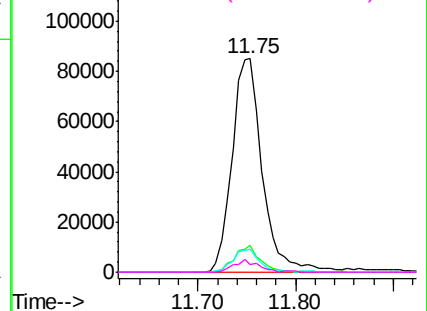
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.75 min Scan# 1441
Delta R.T. -0.00 min
Lab File: BG033409.D
Acq: 29 Mar 2018 6:58

Instrument :
BNA_G
ClientSampleId :
BU-03-032618

Tgt Ion:	136	Resp:	183247
Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.2	13.8
54	10.6	10.3	15.5
68	3.7	4.5	6.7#

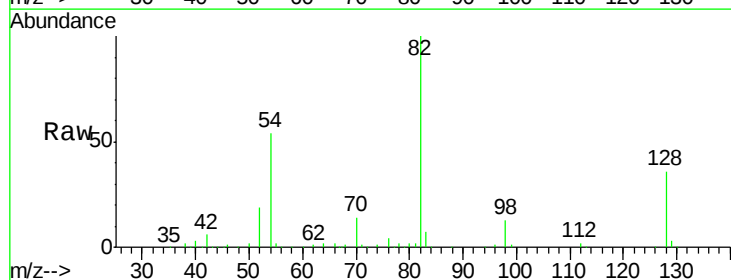


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

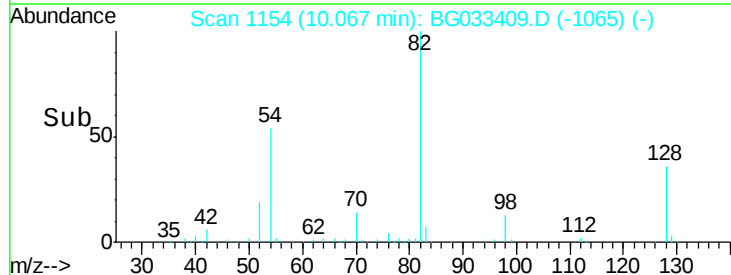
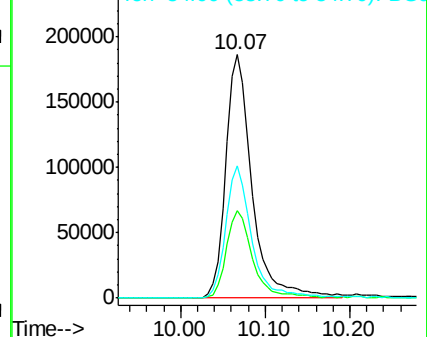


#23
Nitrobenzene-d5
Concen: 100.81 ng
RT: 10.07 min Scan# 1154
Delta R.T. -0.01 min
Lab File: BG033409.D
Acq: 29 Mar 2018 6:58

Tgt Ion:	82	Resp:	402091
Ion	Ratio	Lower	Upper
82	100		
128	36.0	29.7	44.5
54	54.3	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: 20.00 ng

RT: 15.48 min Scan# 2076

Delta R.T. -0.00 min

Lab File: BG033409.D

Acq: 29 Mar 2018 6:58

Instrument :

BNA_G

ClientSampleId :

BU-03-032618

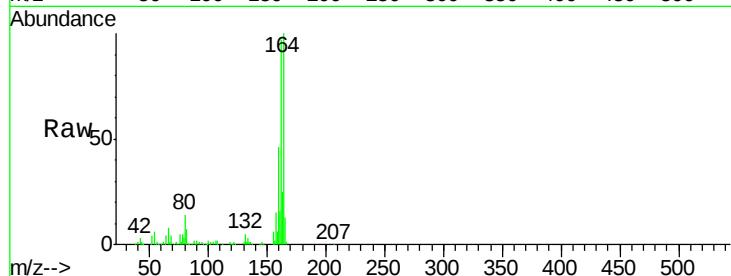
Tgt Ion:164 Resp: 133645

Ion Ratio Lower Upper

164 100

162 96.6 78.8 118.2

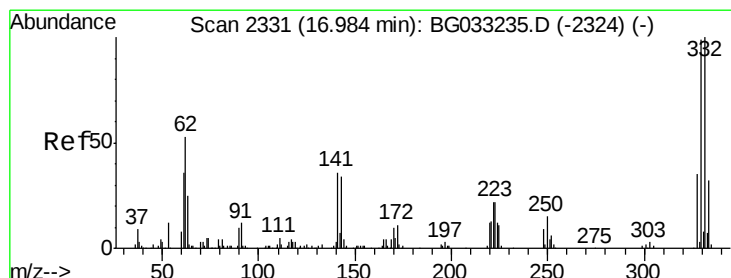
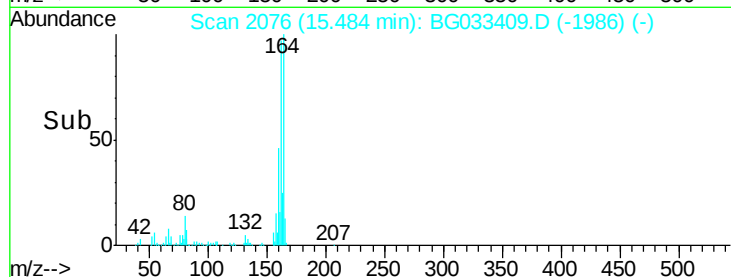
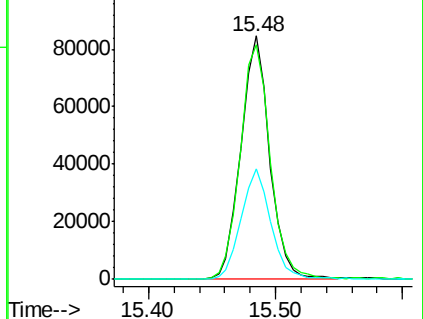
160 45.5 35.4 53.0



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 112.38 ng

RT: 16.96 min Scan# 2327

Delta R.T. 0.00 min

Lab File: BG033409.D

Acq: 29 Mar 2018 6:58

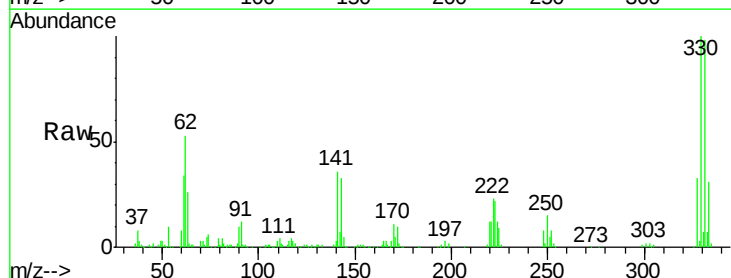
Tgt Ion:330 Resp: 224634

Ion Ratio Lower Upper

330 100

332 94.6 77.0 115.6

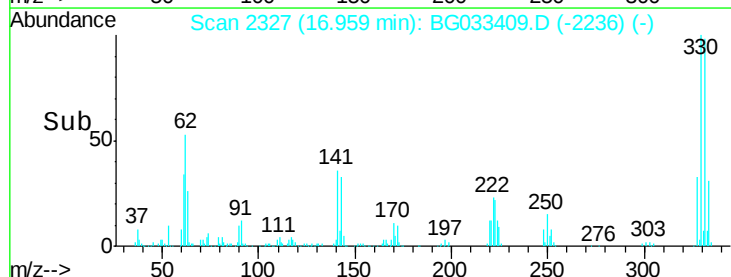
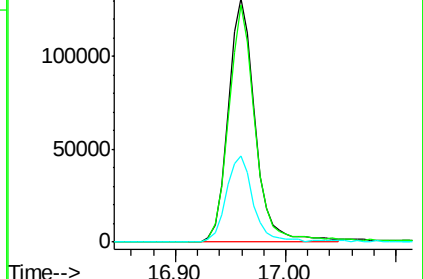
141 35.4 25.2 37.8



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

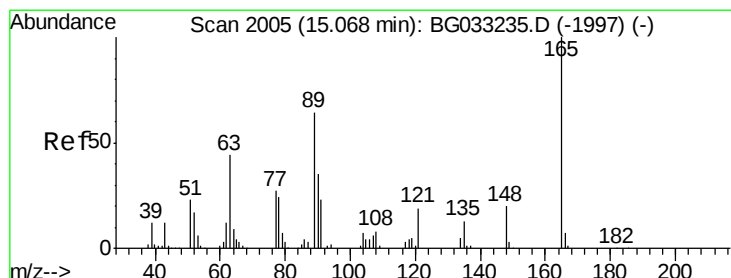
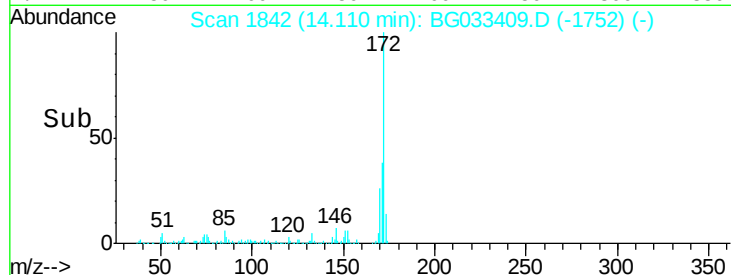
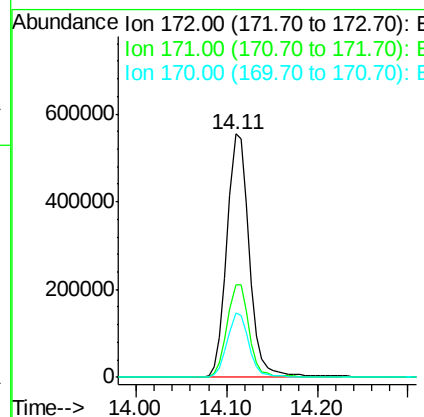
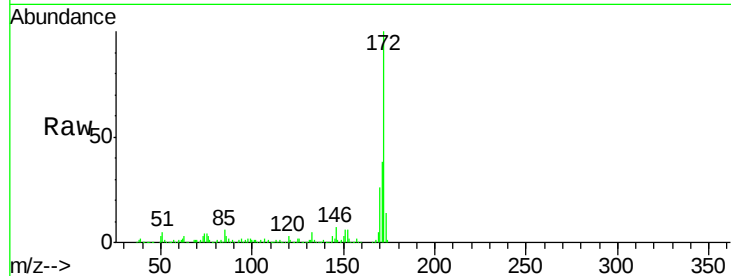




#44
 2-Fluorobiphenyl
 Concen: 103.52 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.00 min
 Lab File: BG033409.D
 Acq: 29 Mar 2018 6:58

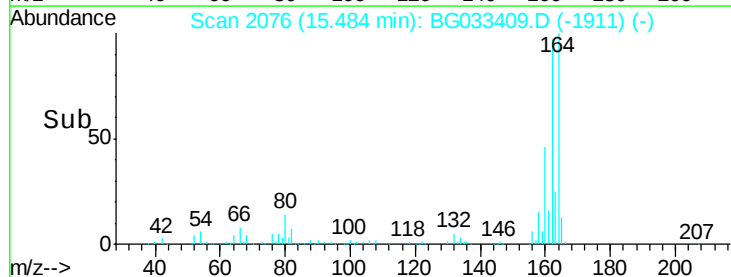
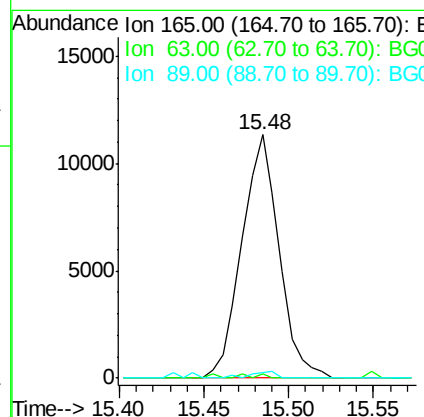
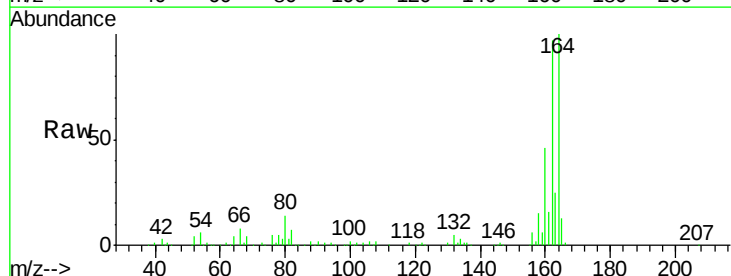
Instrument :
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 BU-03-032618

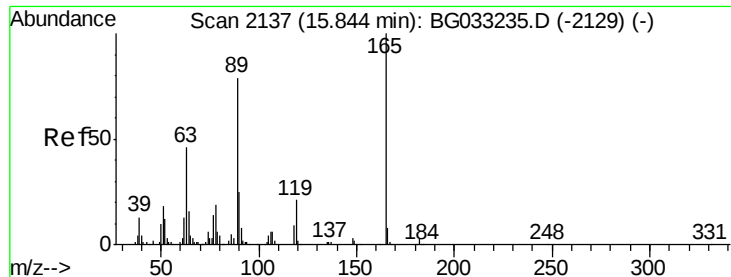
Tgt Ion:172 Resp: 958309
 Ion Ratio Lower Upper
 172 100
 171 38.1 30.0 45.0
 170 26.2 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.31 ng
 RT: 15.48 min Scan# 2076
 Delta R.T. 0.44 min
 Lab File: BG033409.D
 Acq: 29 Mar 2018 6:58

Tgt Ion:165 Resp: 17381
 Ion Ratio Lower Upper
 165 100
 63 1.9 52.7 79.1#
 89 2.3 49.2 73.8#

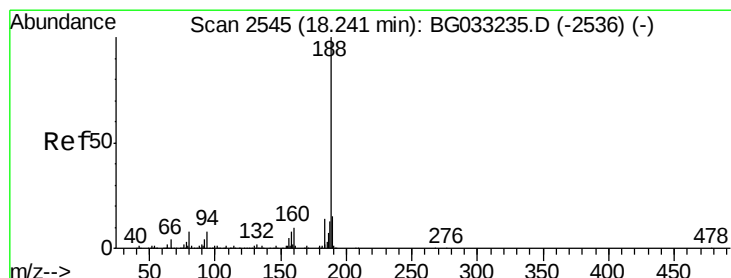
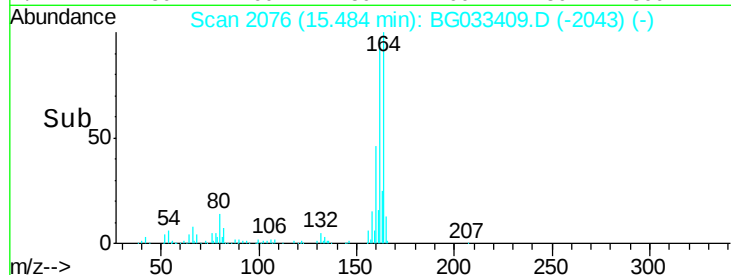
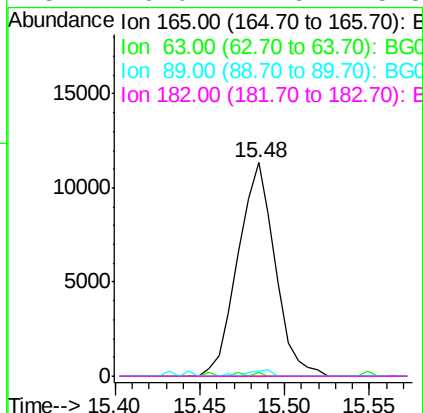
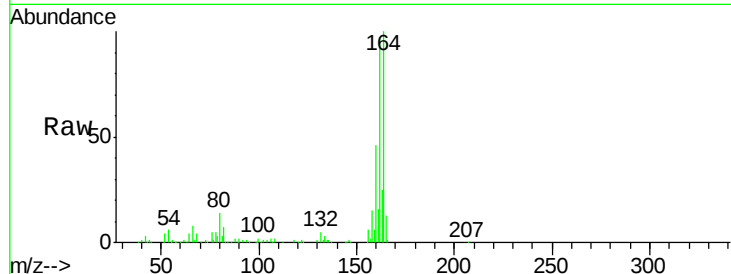




#56
 2,4-Dinitrotoluene
 Concen: 4.96 ng
 RT: 15.48 min Scan# 2076
 Delta R.T. -0.34 min
 Lab File: BG033409.D
 Acq: 29 Mar 2018 6:58

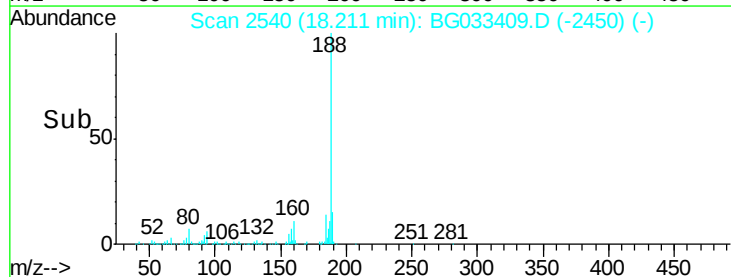
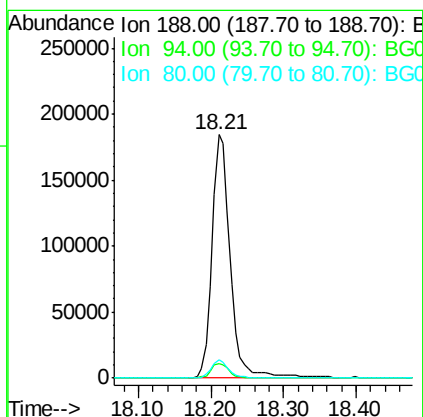
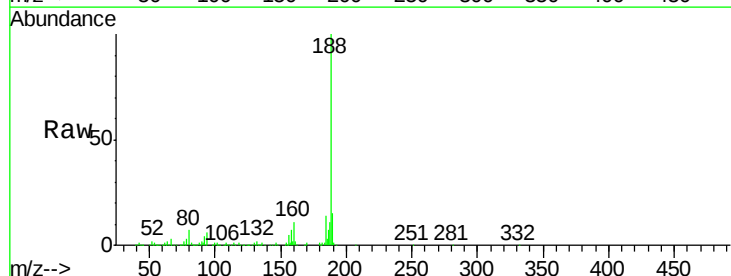
Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618

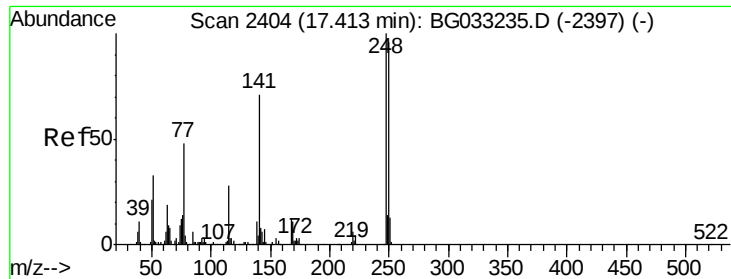
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	42.0	63.0#
89	2.3	66.9	100.3#
182	0.0	2.6	3.8#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 18.21 min Scan# 2540
 Delta R.T. -0.00 min
 Lab File: BG033409.D
 Acq: 29 Mar 2018 6:58

Tgt Ion	Ratio	Lower	Upper
188	100		
94	6.2	6.9	10.3#
80	7.4	7.7	11.5#

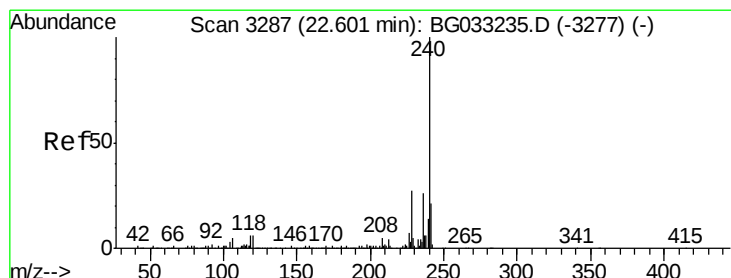
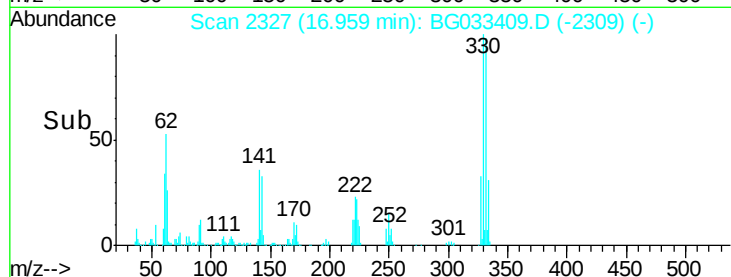
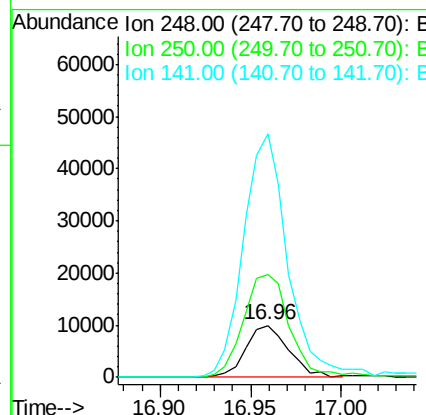
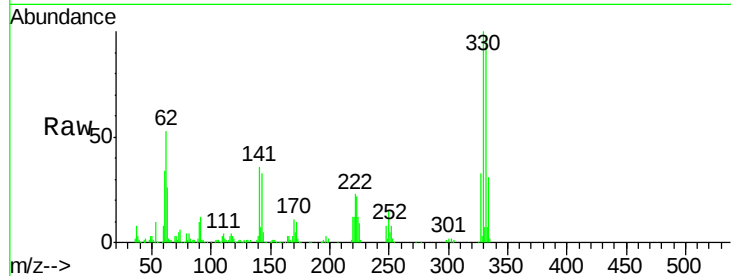




#66
 4-Bromophenyl-phenylether
 Concen: 4.34 ng
 RT: 16.96 min Scan# 2327
 Delta R.T. -0.43 min
 Lab File: BG033409.D
 Acq: 29 Mar 2018 6:58

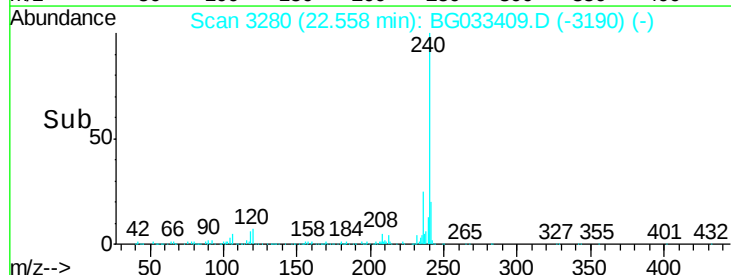
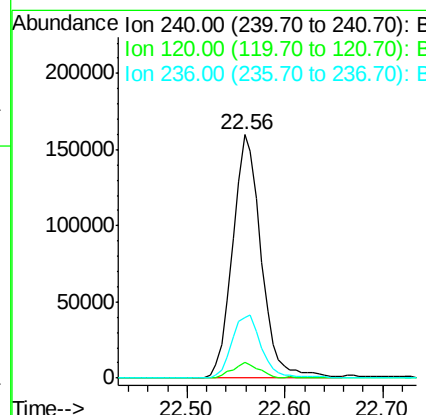
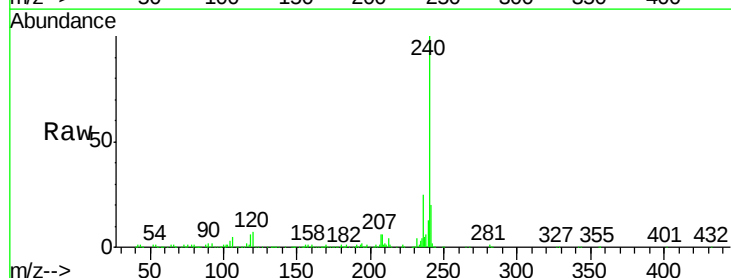
Instrument :
 BNA_G
 ClientSampleId :
 BU-03-032618

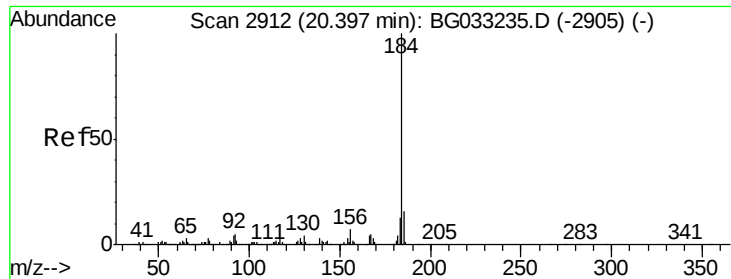
Tgt Ion:248 Resp: 16351
 Ion Ratio Lower Upper
 248 100
 250 197.4 77.1 115.7#
 141 468.4 50.8 76.2#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 22.56 min Scan# 3280
 Delta R.T. -0.00 min
 Lab File: BG033409.D
 Acq: 29 Mar 2018 6:58

Tgt Ion:240 Resp: 325559
 Ion Ratio Lower Upper
 240 100
 120 6.6 6.8 10.2#
 236 24.8 20.9 31.3

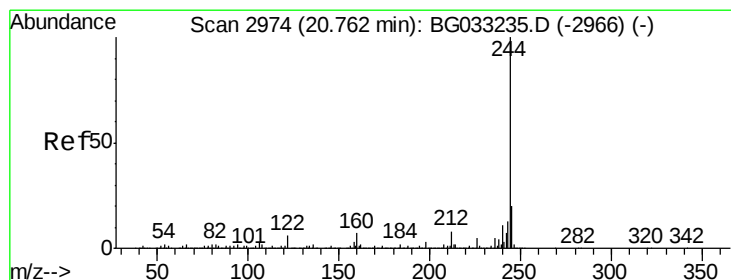
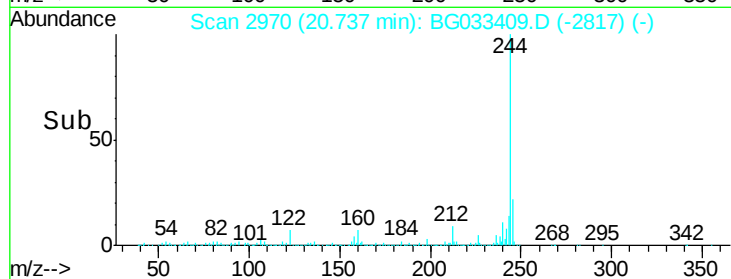
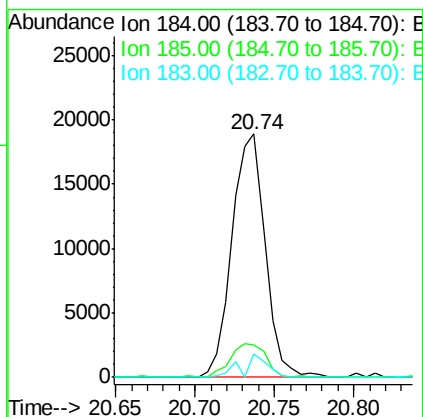
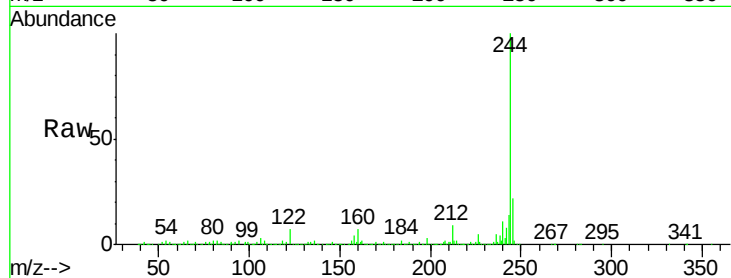




#76
Benzidine
Concen: 3.10 ng
RT: 20.74 min Scan# 2970
Delta R.T. 0.37 min
Lab File: BG033409.D
Acq: 29 Mar 2018 6:58

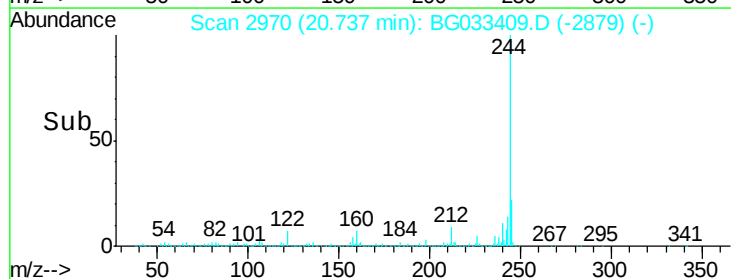
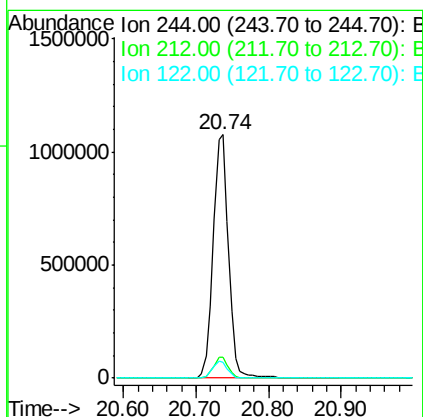
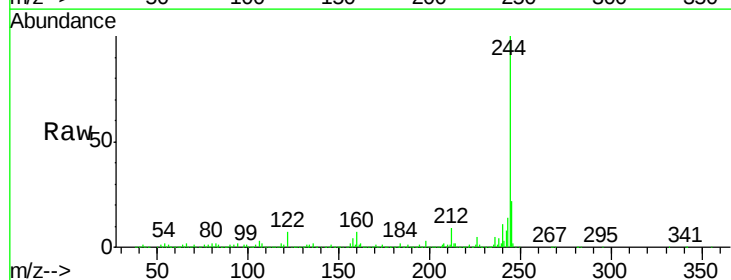
Instrument :
BNA_G
ClientSampleId :
BU-03-032618

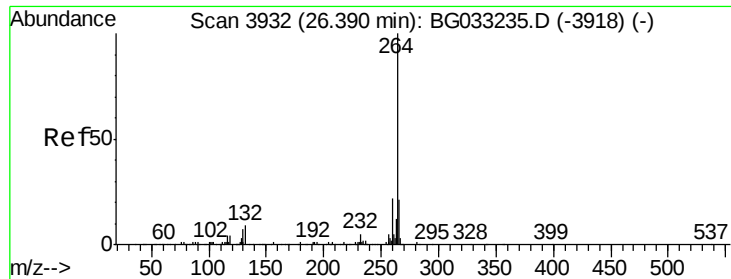
Tgt Ion:184 Resp: 27407
Ion Ratio Lower Upper
184 100
185 13.3 11.1 16.7
183 9.8 10.6 16.0#



#78
Terphenyl-d14
Concen: 104.61 ng
RT: 20.74 min Scan# 2970
Delta R.T. 0.00 min
Lab File: BG033409.D
Acq: 29 Mar 2018 6:58

Tgt Ion:244 Resp: 1592399
Ion Ratio Lower Upper
244 100
212 8.6 5.8 8.8
122 6.6 7.0 10.4#





#86
Perylene-d12
Concen: 20.00 ng
RT: 26.33 min Scan# 3922
Delta R.T. -0.00 min
Lab File: BG033409.D
Acq: 29 Mar 2018 6:58

Instrument :
BNA_G
ClientSampleId :
BU-03-032618

Tgt Ion	Ratio	Lower	Upper
264	100		
260	26.1	17.4	26.0#
265	21.1	17.7	26.5

