

Data Path : Z:\HPCHEM1\BNA G\DATA\BG032718\
 Data File : BG033385.D
 Acq On : 28 Mar 2018 6:26
 Operator : SJ/JU
 Sample : PB107690BL
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Mar 28 08:03:35 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG031918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 23 15:11:46 2018
 Response via : Initial Calibration

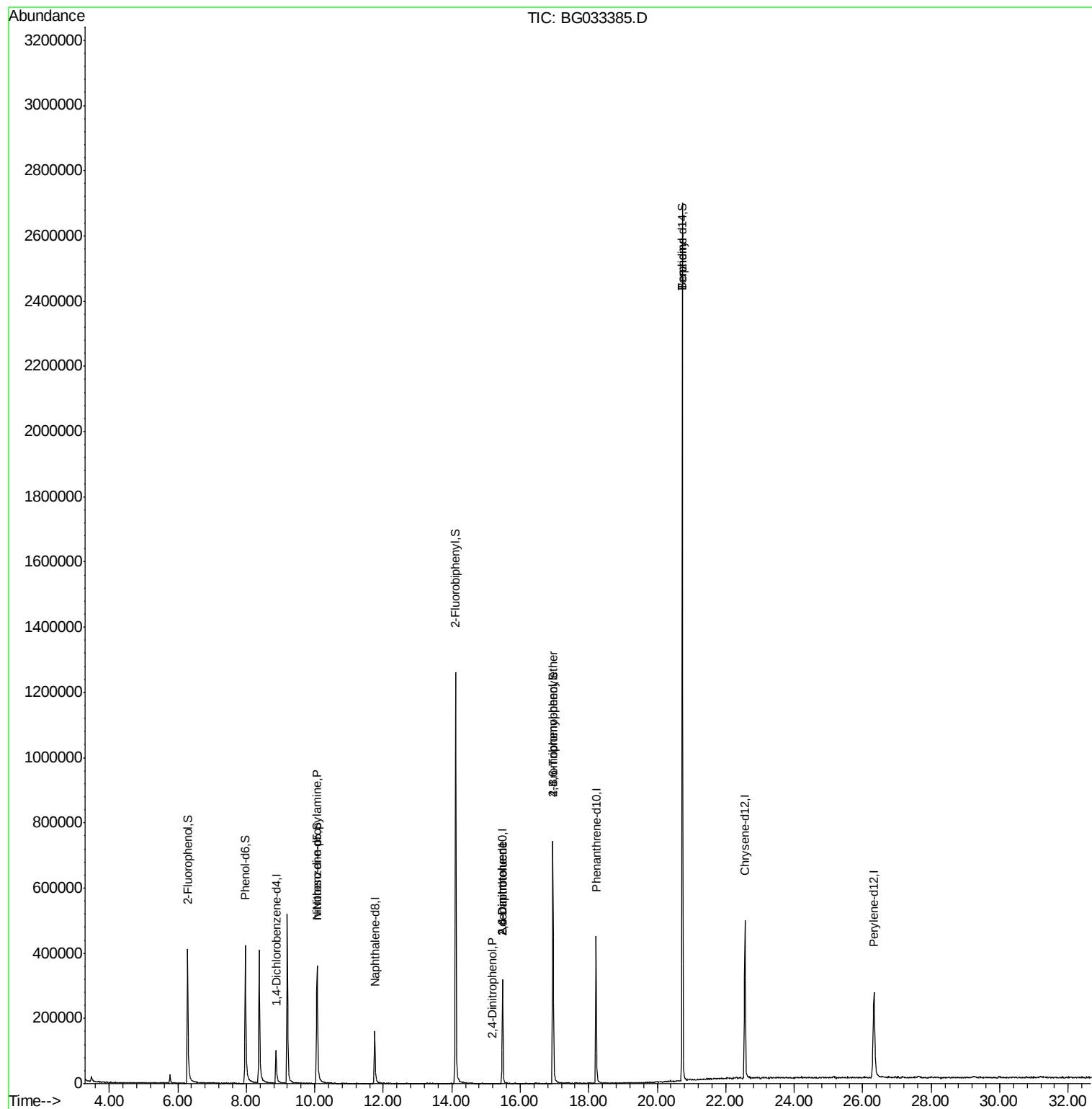
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.86	152	40331	20.00	ng	-0.03
21) Naphthalene-d8	11.75	136	166200	20.00	ng	-0.03
38) Acenaphthene-d10	15.49	164	121335	20.00	ng	-0.03
63) Phenanthrene-d10	18.21	188	340884	20.00	ng	-0.03
75) Chrysene-d12	22.56	240	356116	20.00	ng	-0.04
86) Perylene-d12	26.33	264	377771	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	6.29	112	216460	100.64	ng	-0.02
7) Phenol-d6	7.97	99	320733	86.79	ng	-0.03
23) Nitrobenzene-d5	10.06	82	310739	85.90	ng	-0.03
41) 2,4,6-Tribromophenol	16.95	330	162918	89.78	ng	-0.03
44) 2-Fluorobiphenyl	14.11	172	748004	89.00	ng	-0.03
78) Terphenyl-d14	20.73	244	1370722	82.32	ng	-0.03
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.06	70	40606	14.995	ng	# 73
50) 2,6-Dinitrotoluene	15.49	165	16051	7.434	ng	# 22
53) 2,4-Dinitrophenol	15.17	184	57	7.689	ng	# 1
56) 2,4-Dinitrotoluene	15.49	165	16052	5.049	ng	# 19
66) 4-Bromophenyl-phenylether	16.95	248	11958	2.987	ng	# 1
76) Benzidine	20.73	184	22317	2.311	ng	# 90

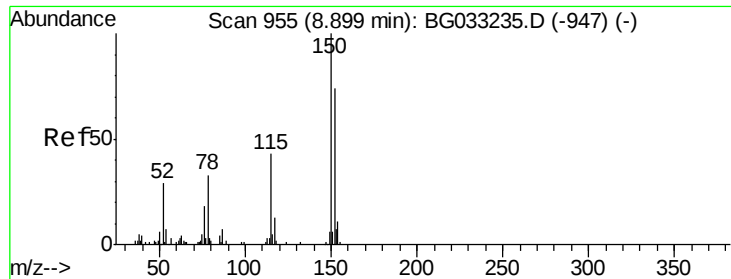
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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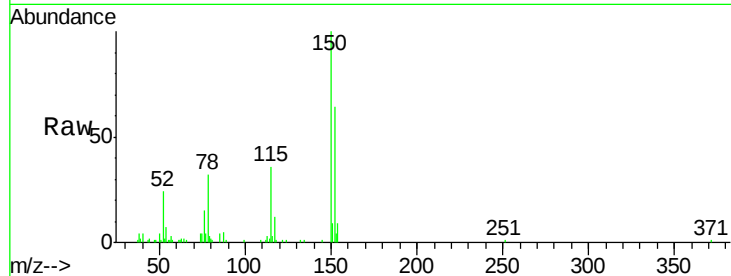


#1

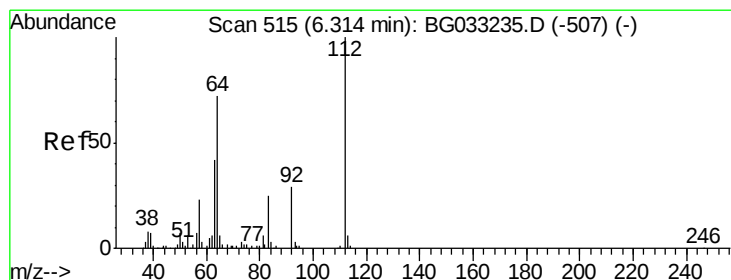
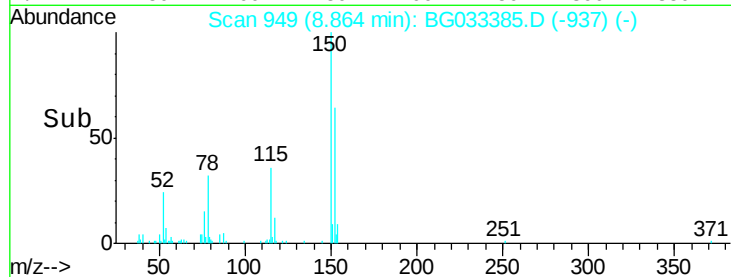
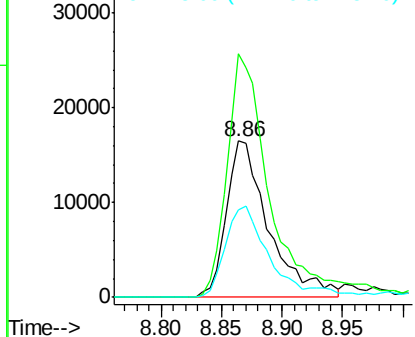
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.86 min Scan# 949
Delta R.T. -0.03 min
Lab File: BG033385.D
Acq: 28 Mar 2018 6:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.6	189.8
115	55.7	53.0	79.4



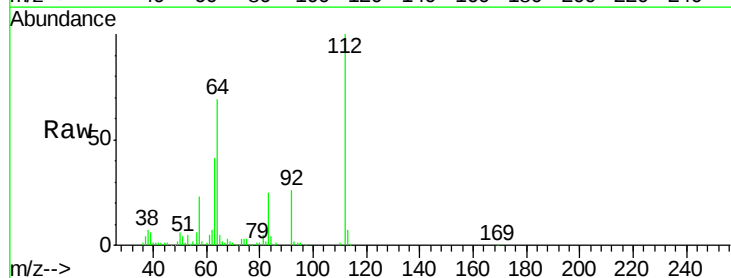
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



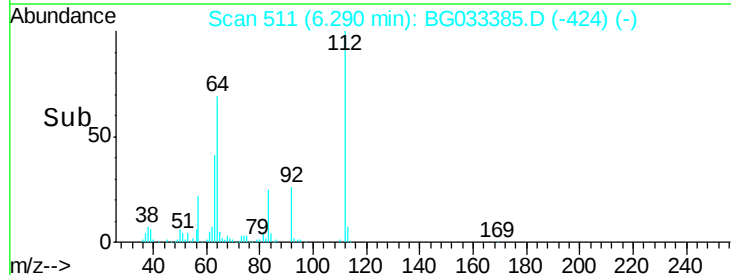
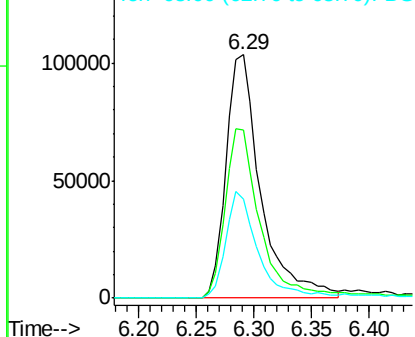
#5

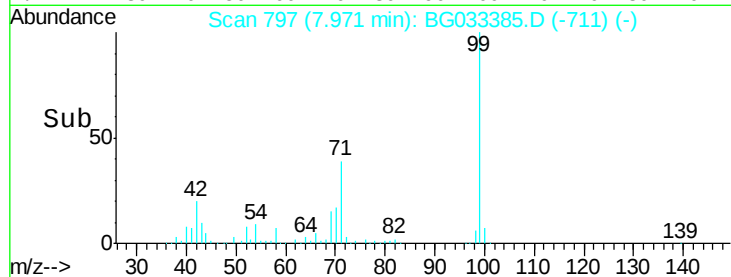
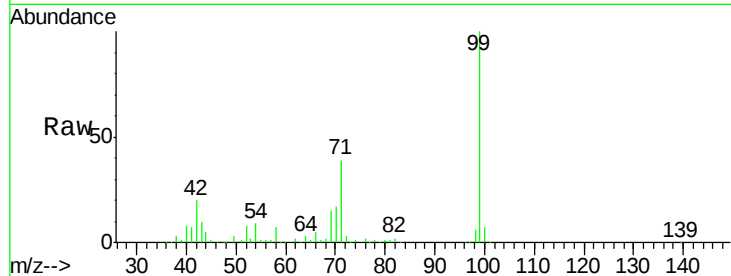
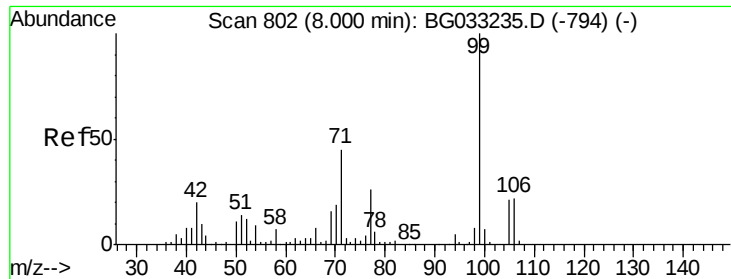
2-Fluorophenol
Concen: 100.639 ng
RT: 6.29 min Scan# 511
Delta R.T. -0.02 min
Lab File: BG033385.D
Acq: 28 Mar 2018 6:26

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.1	56.3	84.5
63	40.9	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 86.788 ng

RT: 7.97 min Scan# 797

Delta R.T. -0.03 min

Lab File: BG033385.D

Acq: 28 Mar 2018 6:26

Instrument :

BNA_G

ClientSampleId :

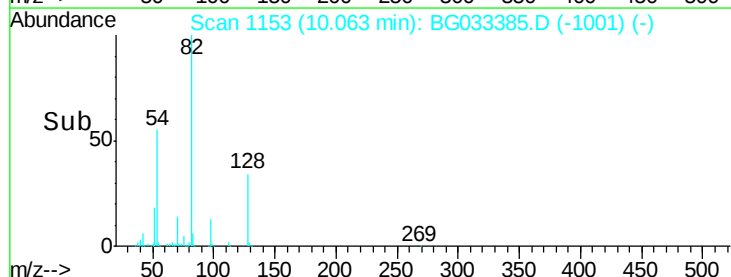
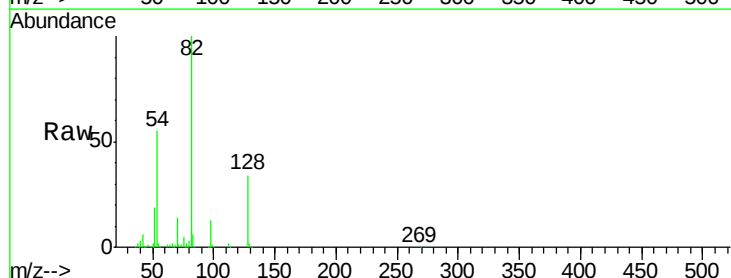
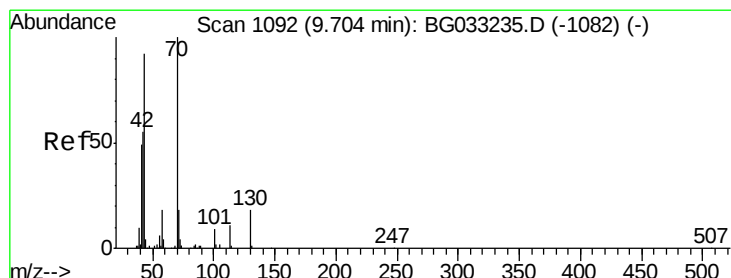
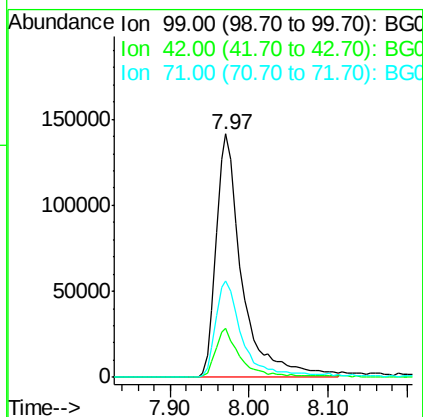
Tot Ion: 99 Resp: 320733

Ion Ratio Lower Upper

99 100

42 20.2 14.1 21.1

71 39.4 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 14.995 ng

RT: 10.06 min Scan# 1153

Delta R.T. 0.36 min

Lab File: BG033385.D

Acq: 28 Mar 2018 6:26

Tgt Ion: 70 Resp: 40606

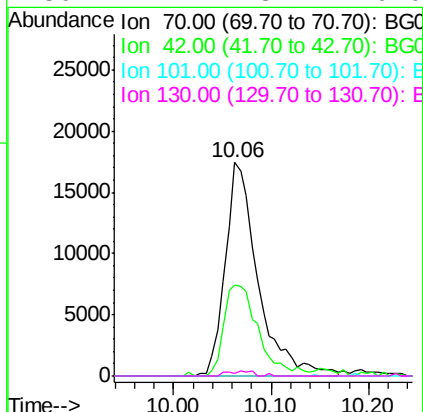
Ion Ratio Lower Upper

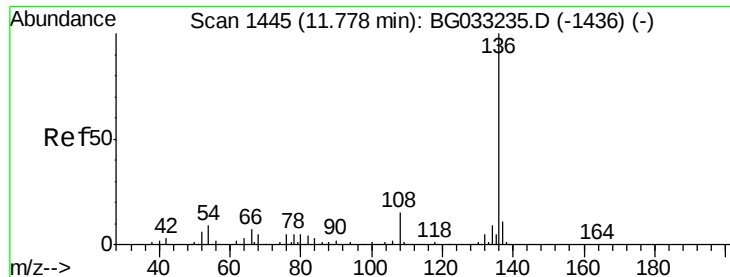
70 100

42 42.6 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

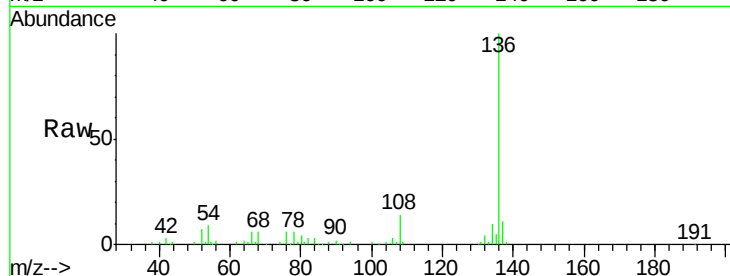




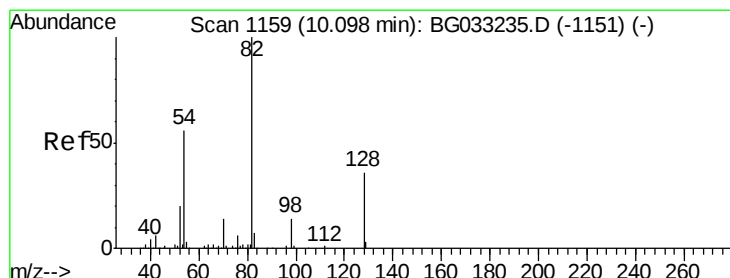
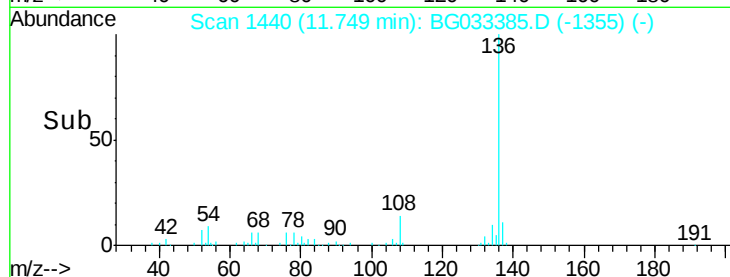
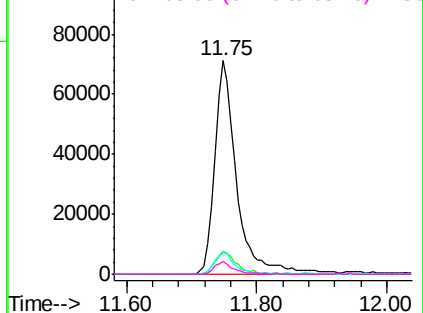
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.75 min Scan# 1440
Delta R.T. -0.03 min
Lab File: BG033385.D
Acq: 28 Mar 2018 6:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	166200
Ion Ratio	Lower	Upper
136	100	
137	10.8	9.2 13.8
54	10.0	10.3 15.5
68	6.1	4.5 6.7

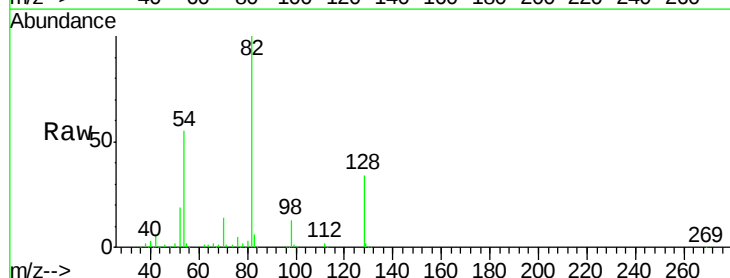


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

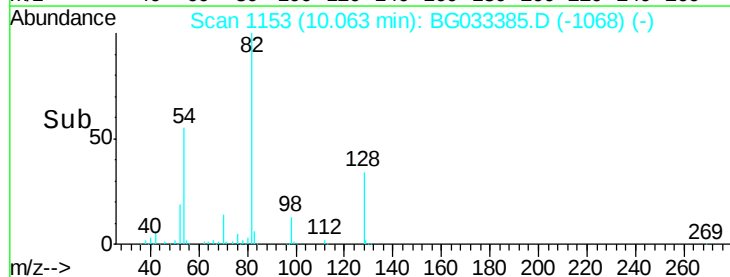
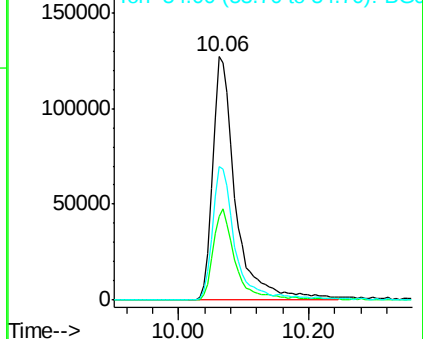


#23
Nitrobenzene-d5
Concen: 85.900 ng
RT: 10.06 min Scan# 1153
Delta R.T. -0.03 min
Lab File: BG033385.D
Acq: 28 Mar 2018 6:26

Tgt Ion: 82	Resp:	310739
Ion Ratio	Lower	Upper
82	100	
128	34.5	29.7 44.5
54	55.0	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

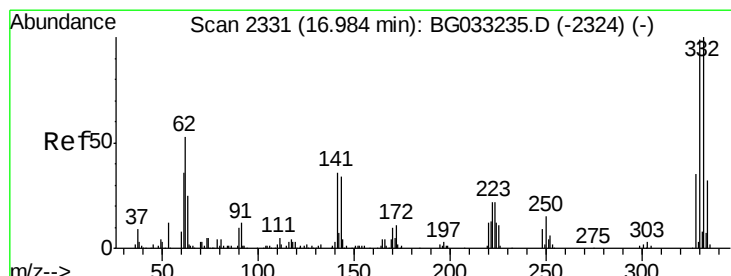
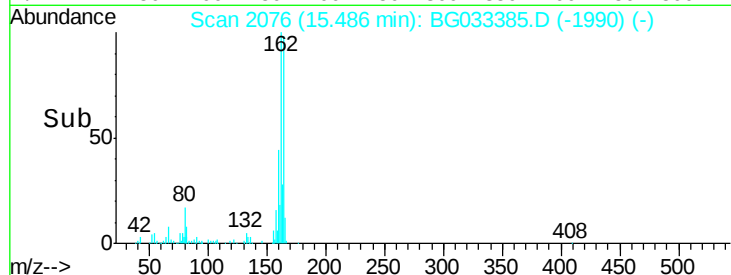
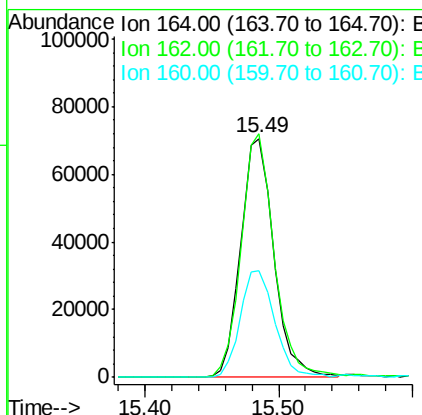
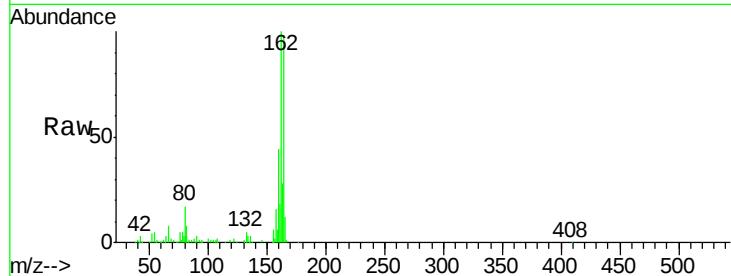




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.49 min Scan# 2076
Delta R.T. -0.03 min
Lab File: BG033385.D
Acq: 28 Mar 2018 6:26

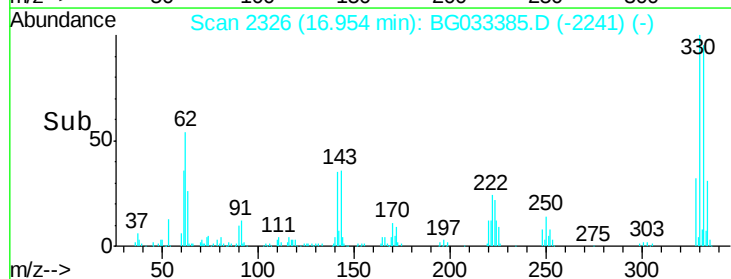
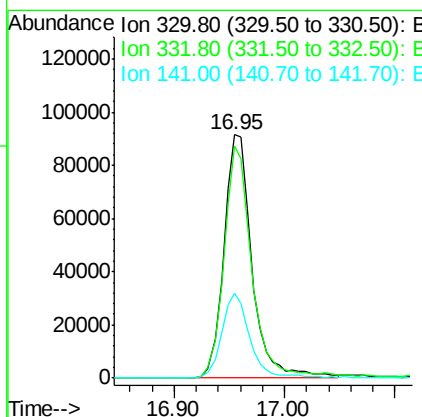
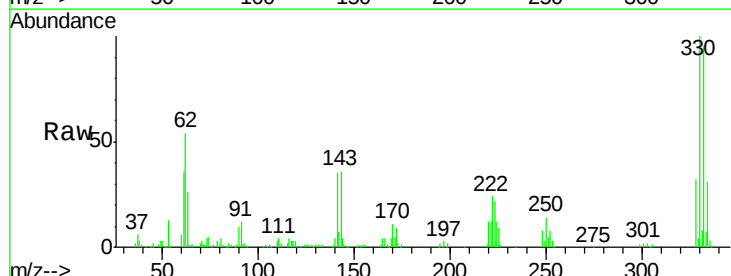
Instrument :
BNA_G
ClientSampleId :

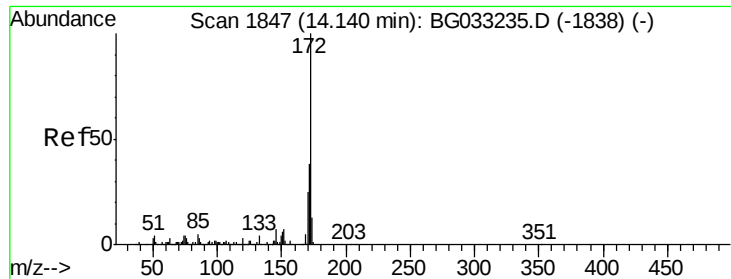
Tot Ion:164 Resp: 121335
Ion Ratio Lower Upper
164 100
162 102.0 78.8 118.2
160 44.9 35.4 53.0



#41
2,4,6-Tribromophenol
Concen: 89.777 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.03 min
Lab File: BG033385.D
Acq: 28 Mar 2018 6:26

Tgt Ion:330 Resp: 162918
Ion Ratio Lower Upper
330 100
332 93.1 77.0 115.6
141 35.0 25.2 37.8

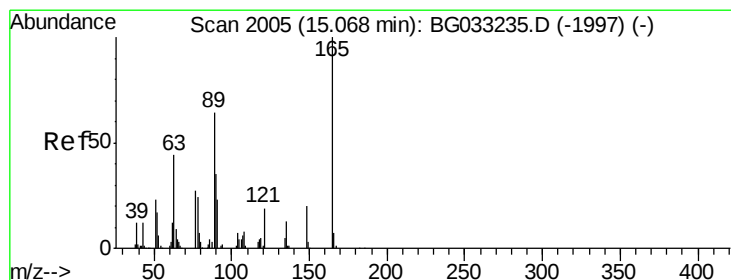
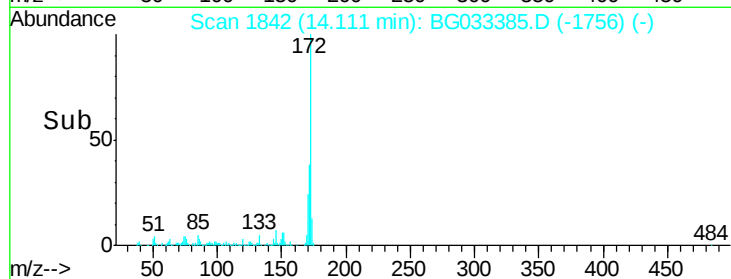
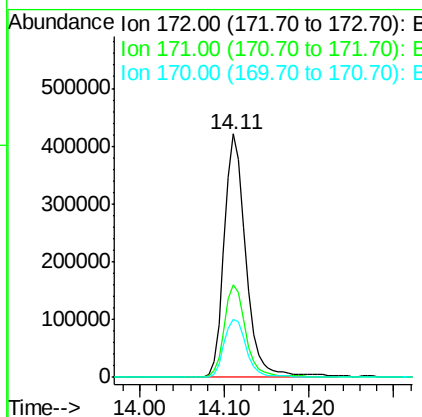
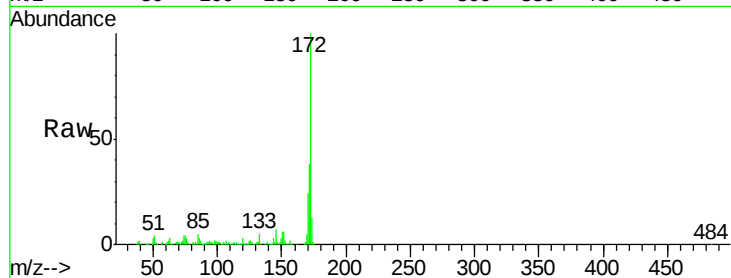




#44
 2-Fluorobiphenyl
 Concen: 88.997 ng
 RT: 14.11 min Scan# 1842
 Delta R.T. -0.03 min
 Lab File: BG033385.D
 Acq: 28 Mar 2018 6:26

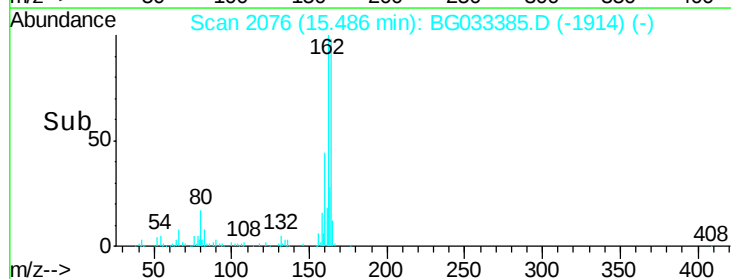
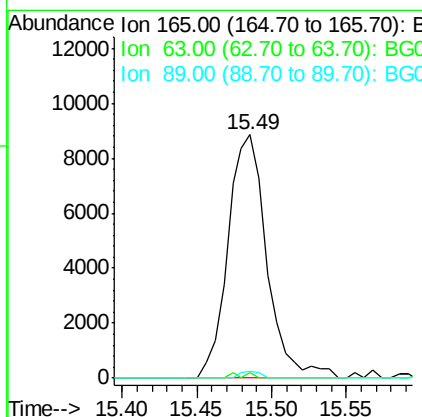
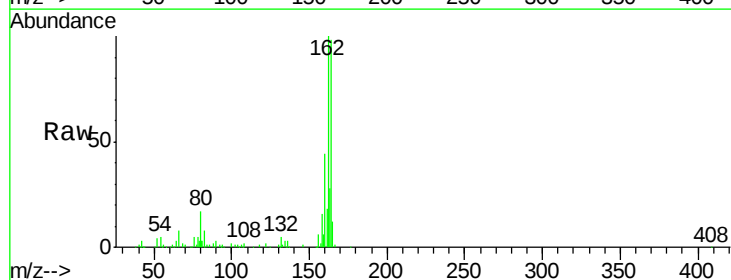
Instrument :
 BNA_G
 ClientSampleId :

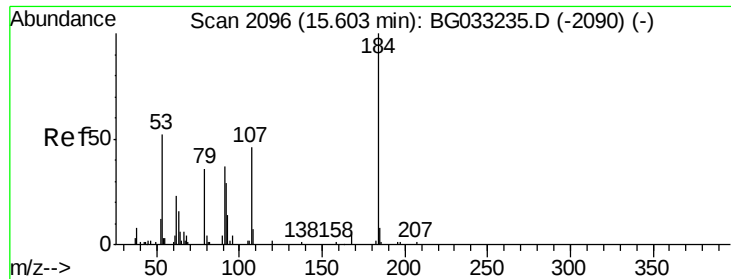
Tot Ion:172 Resp: 748004
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 23.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.434 ng
 RT: 15.49 min Scan# 2076
 Delta R.T. 0.42 min
 Lab File: BG033385.D
 Acq: 28 Mar 2018 6:26

Tgt Ion:165 Resp: 16051
 Ion Ratio Lower Upper
 165 100
 63 2.1 52.7 79.1#
 89 2.8 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 7.689 ng

RT: 15.17 min Scan# 2022

Delta R.T. -0.44 min

Lab File: BG033385.D

Acq: 28 Mar 2018 6:26

Instrument :

BNA_G

ClientSampleId :

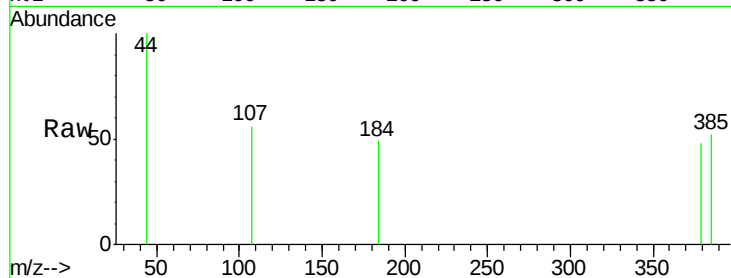
Tot Ion:184 Resp: 57

Ion Ratio Lower Upper

184 100

63 0.0 59.8 89.8#

154 0.0 101.8 152.8#



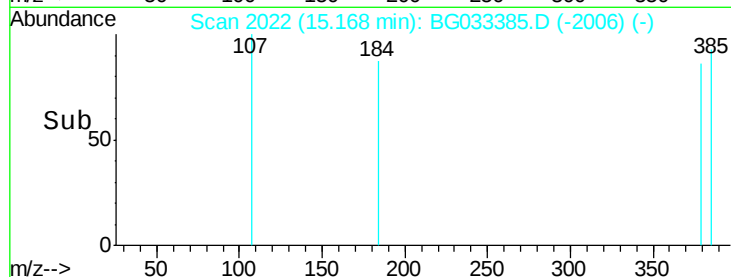
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

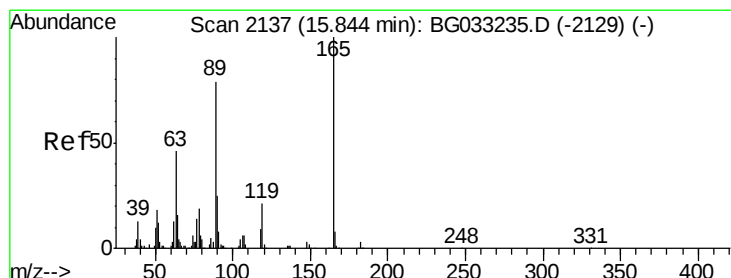
Ion 154.00 (153.70 to 154.70): E

15.17

15.16 15.18



Time-->



#56

2,4-Dinitrotoluene

Concen: 5.049 ng

RT: 15.49 min Scan# 2076

Delta R.T. -0.36 min

Lab File: BG033385.D

Acq: 28 Mar 2018 6:26

Tgt Ion:165 Resp: 16052

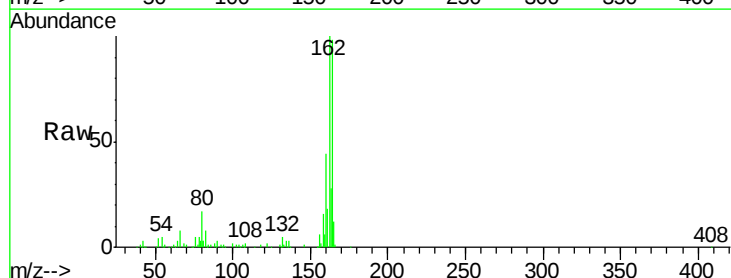
Ion Ratio Lower Upper

165 100

63 2.1 42.0 63.0#

89 2.8 66.9 100.3#

182 0.0 2.6 3.8#



Abundance Ion 165.00 (164.70 to 165.70): E

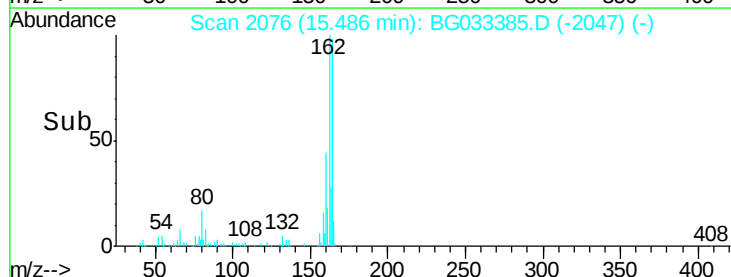
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

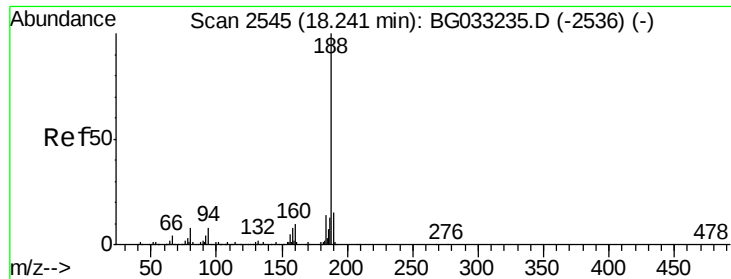
Ion 182.00 (181.70 to 182.70): E

15.49

15.40 15.45 15.50 15.55



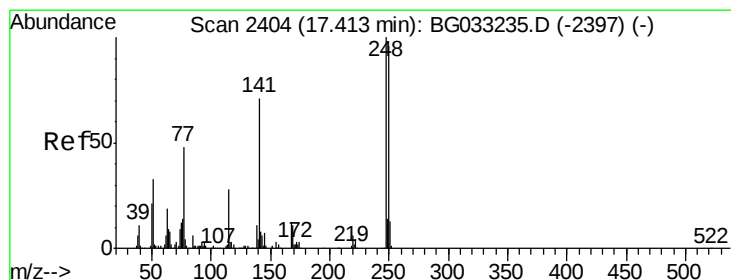
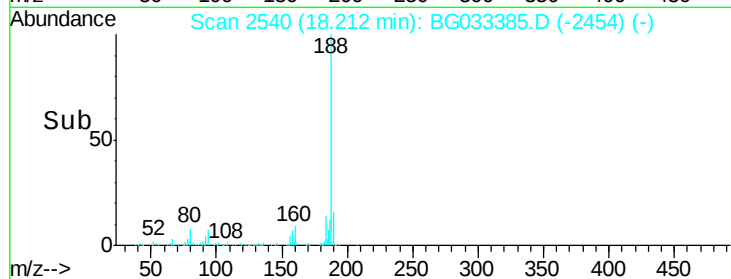
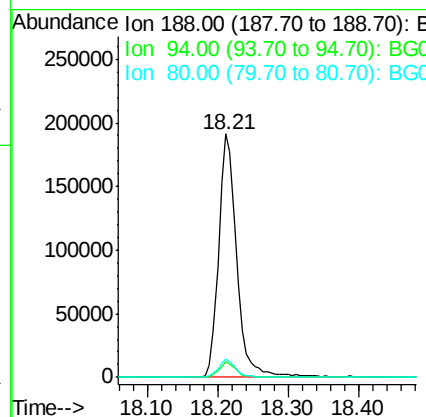
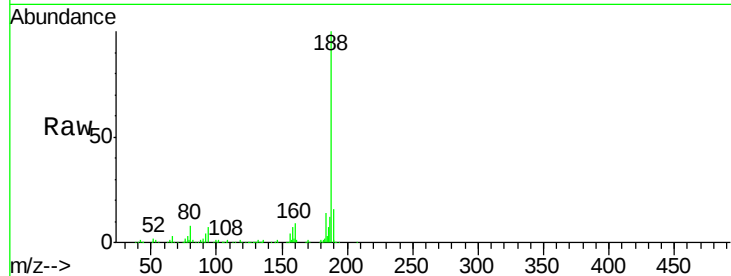
Time-->



#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.21 min Scan# 2540
Delta R.T. -0.03 min
Lab File: BG033385.D
Acq: 28 Mar 2018 6:26

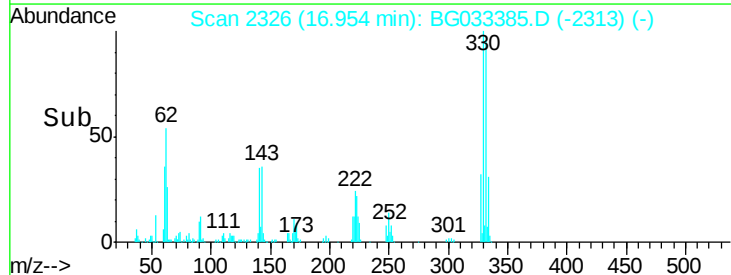
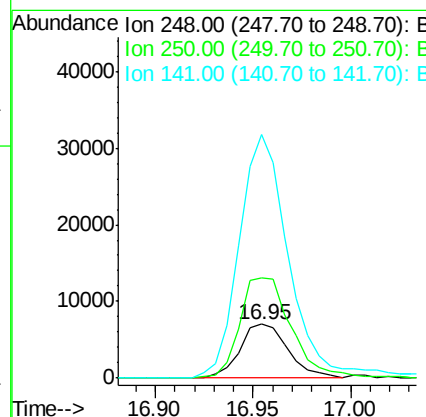
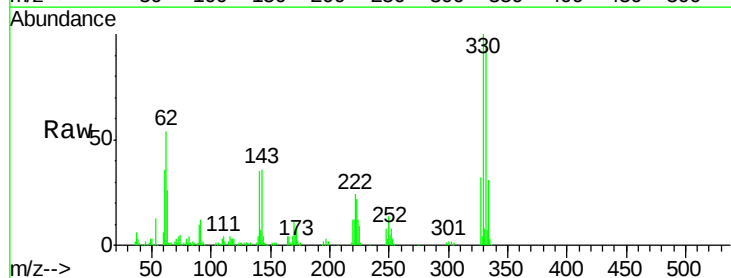
Instrument :
BNA_G
ClientSampleId :

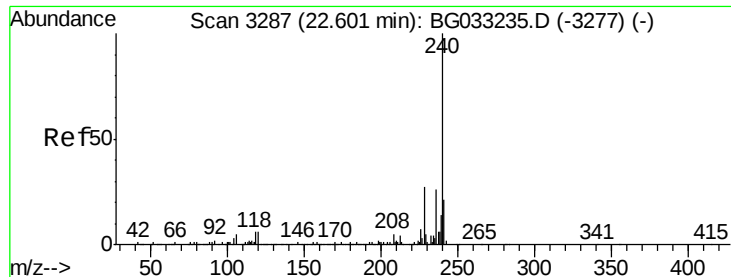
Tot Ion	Ratio	Lower	Upper
188	100		
94	6.6	6.9	10.3#
80	7.6	7.7	11.5#



#66
4-Bromophenyl-phenylether
Concen: 2.987 ng
RT: 16.95 min Scan# 2326
Delta R.T. -0.46 min
Lab File: BG033385.D
Acq: 28 Mar 2018 6:26

Tgt Ion	Ratio	Lower	Upper
248	100		
250	187.0	77.1	115.7#
141	454.2	50.8	76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.56 min Scan# 3280

Delta R.T. -0.04 min

Lab File: BG033385.D

Acq: 28 Mar 2018 6:26

Instrument :

BNA_G

ClientSampleId :

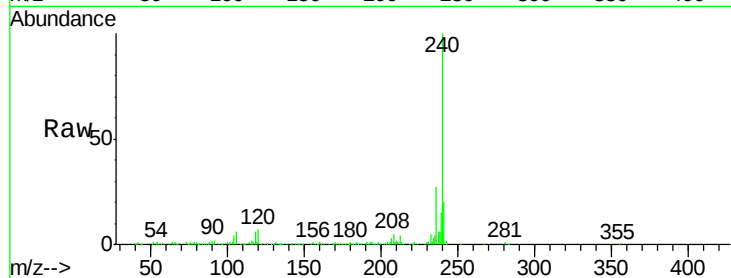
Tot Ion:240 Resp: 356116

Ion Ratio Lower Upper

240 100

120 6.7 6.8 10.2#

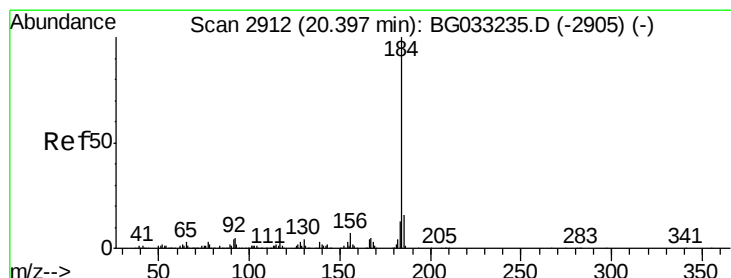
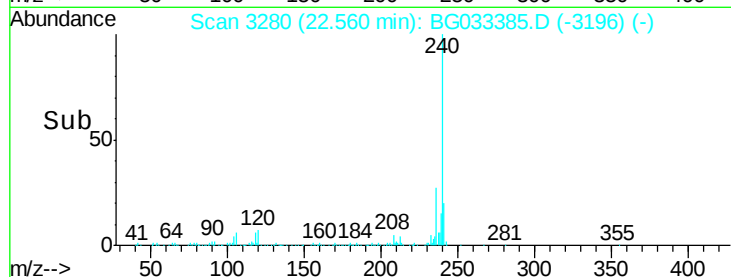
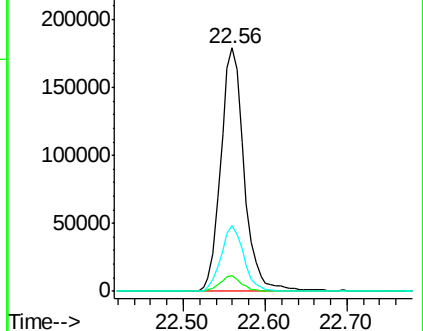
236 26.9 20.9 31.3



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: 2.311 ng

RT: 20.73 min Scan# 2969

Delta R.T. 0.34 min

Lab File: BG033385.D

Acq: 28 Mar 2018 6:26

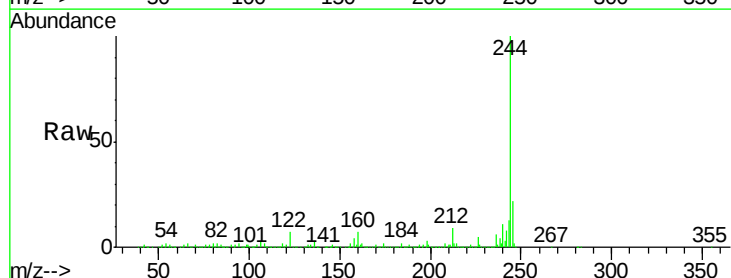
Tgt Ion:184 Resp: 22317

Ion Ratio Lower Upper

184 100

185 20.0 11.1 16.7#

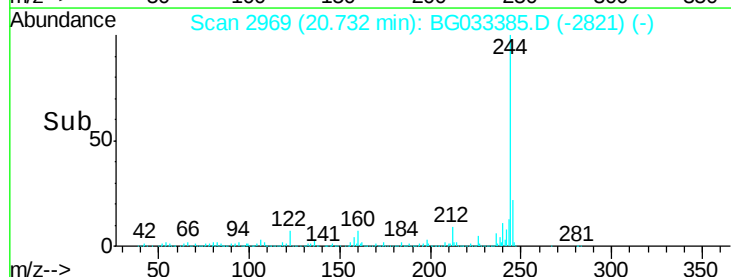
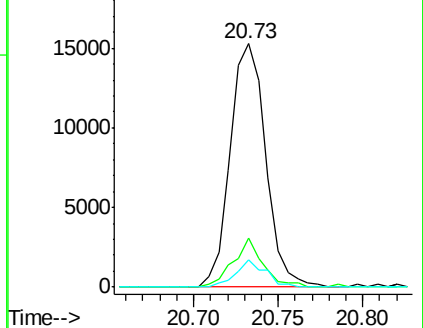
183 11.4 10.6 16.0

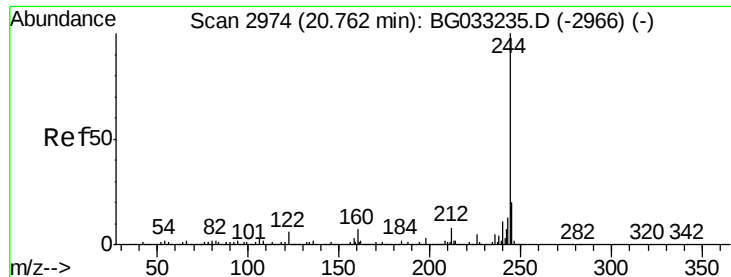


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 82.317 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.03 min

Lab File: BG033385.D

Acq: 28 Mar 2018 6:26

Instrument :

BNA_G

ClientSampleId :

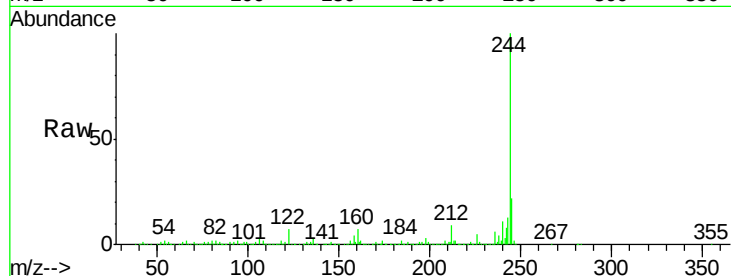
Tot Ion:244 Resp: 1370722

Ion Ratio Lower Upper

244 100

212 8.5 5.8 8.8

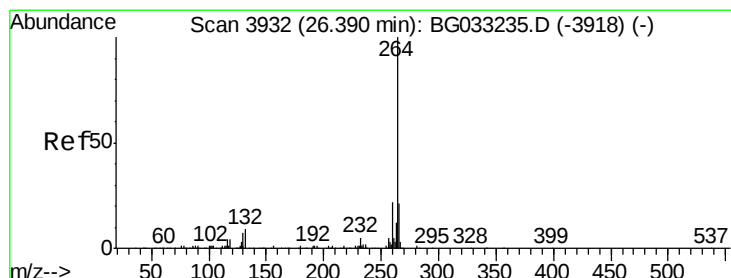
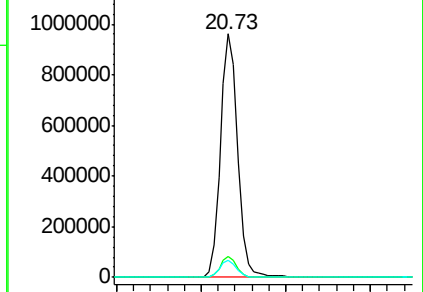
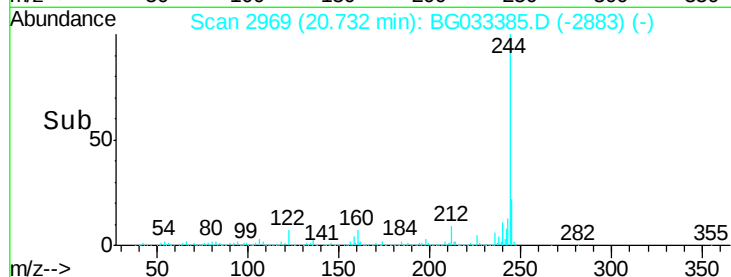
122 7.0 7.0 10.4



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. -0.06 min

Lab File: BG033385.D

Acq: 28 Mar 2018 6:26

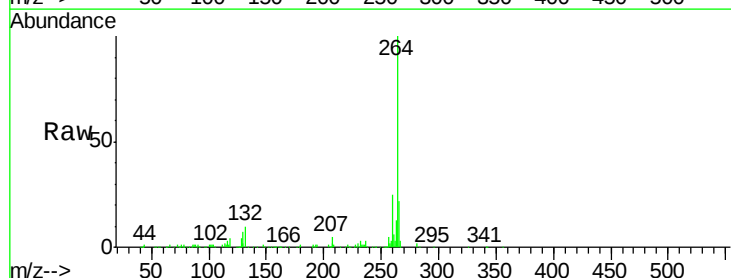
Tgt Ion:264 Resp: 377771

Ion Ratio Lower Upper

264 100

260 24.7 17.4 26.0

265 22.0 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

