

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020918\
 Data File : BG032636.D
 Acq On : 9 Feb 2018 18:19
 Operator : SJ/JU
 Sample : J1501-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 09 23:21:14 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 06 18:57:08 2018
 Response via : Initial Calibration

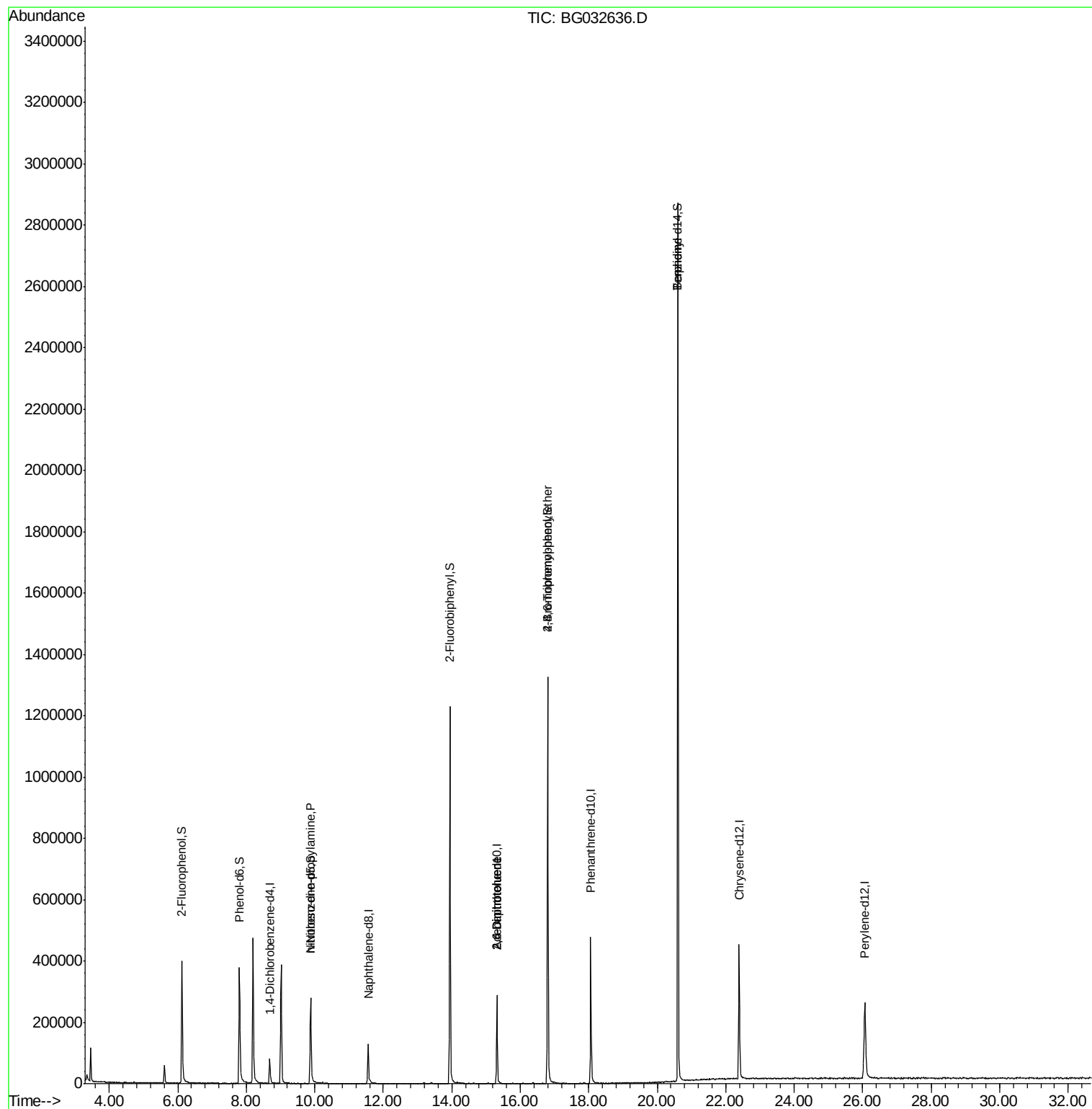
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.69	152	31744	20.00	ng	-0.02
21) Naphthalene-d8	11.56	136	133838	20.00	ng	-0.02
38) Acenaphthene-d10	15.32	164	115947	20.00	ng	-0.03
63) Phenanthrene-d10	18.06	188	363755	20.00	ng	-0.02
75) Chrysene-d12	22.39	240	374865	20.00	ng	-0.02
86) Perylene-d12	26.07	264	375663	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.12	112	217847	137.84	ng	-0.02
7) Phenol-d6	7.80	99	260387	123.47	ng	-0.02
23) Nitrobenzene-d5	9.88	82	204513	95.44	ng	-0.03
41) 2,4,6-Tribromophenol	16.80	330	296837	134.49	ng	-0.02
44) 2-Fluorobiphenyl	13.95	172	768998	78.83	ng	-0.02
78) Terphenyl-d14	20.60	244	1526225	87.21	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.88	70	29348	20.99	ng	# 81
50) 2,6-Dinitrotoluene	15.32	165	14092	6.28	ng	# 21
56) 2,4-Dinitrotoluene	15.32	165	14092	4.41	ng	# 19
66) 4-Bromophenyl-phenylether	16.80	248	27239	5.05	ng	# 1
76) Benzidine	20.60	184	22882	3.11	ng	# 89

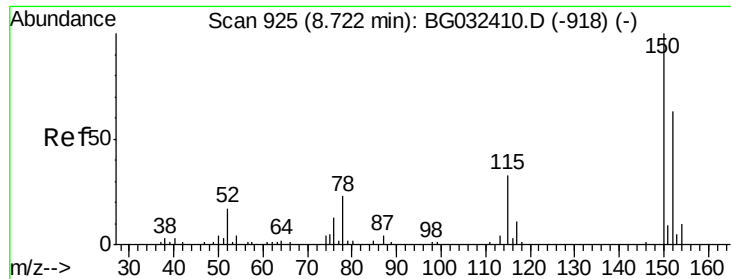
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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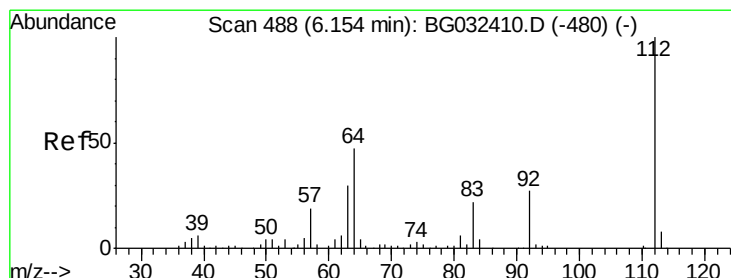
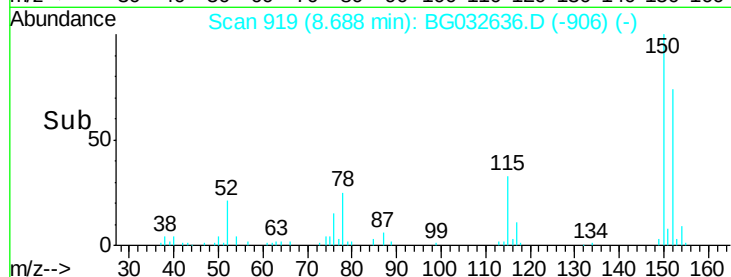
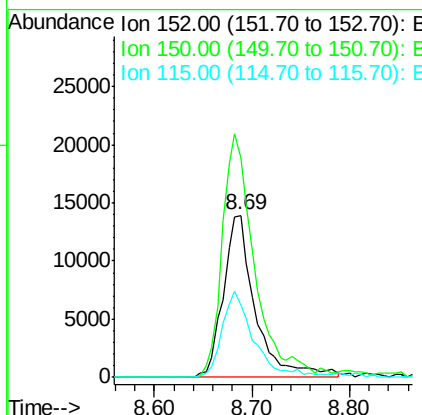
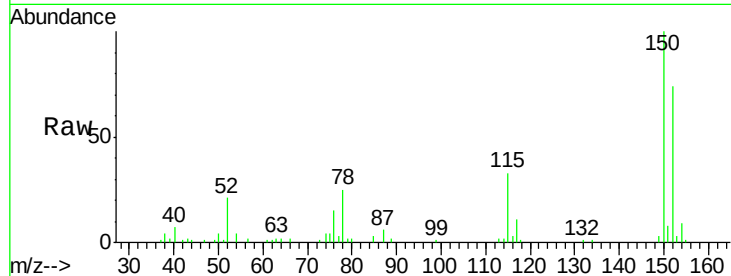


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.69 min Scan# 919
Delta R.T. -0.02 min
Lab File: BG032636.D
Acq: 9 Feb 2018 18:19

Instrument :
BNA_G
ClientSampleId :

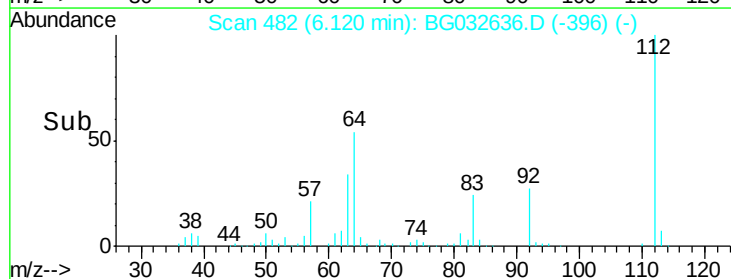
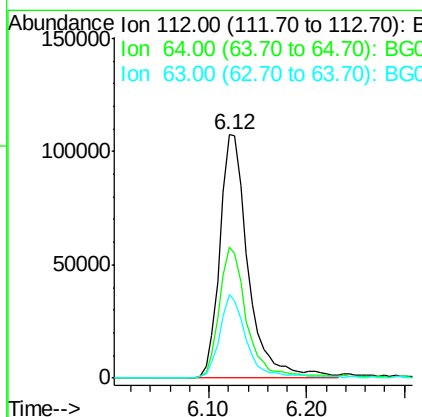
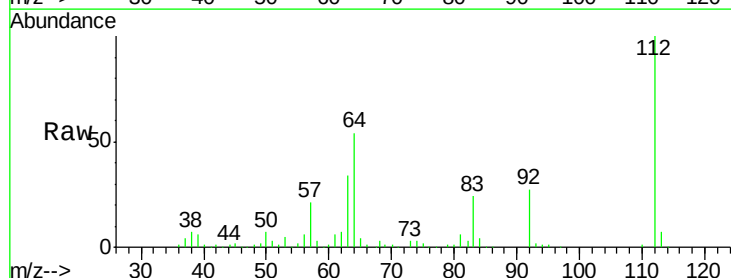
Tot Ion:152 Resp: 31744
Ion Ratio Lower Upper
152 100
150 135.1 126.6 189.8
115 44.3 53.0 79.4#

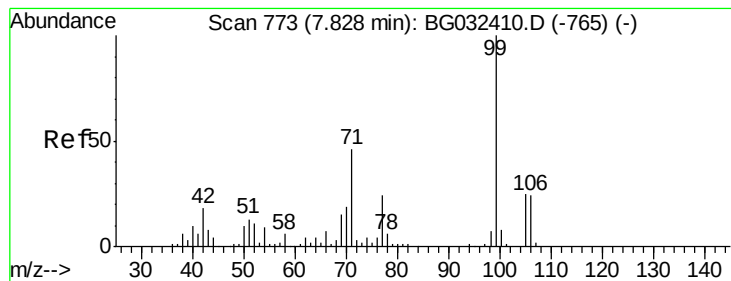


#5

2-Fluorophenol
Concen: 137.84 ng
RT: 6.12 min Scan# 482
Delta R.T. -0.02 min
Lab File: BG032636.D
Acq: 9 Feb 2018 18:19

Tgt Ion:112 Resp: 217847
Ion Ratio Lower Upper
112 100
64 53.7 56.3 84.5#
63 34.3 30.1 45.1





#7

Phenol-d6

Concen: 123.47 ng

RT: 7.80 min Scan# 768

Delta R.T. -0.02 min

Lab File: BG032636.D

Acq: 9 Feb 2018 18:19

Instrument :

BNA_G

ClientSampleId :

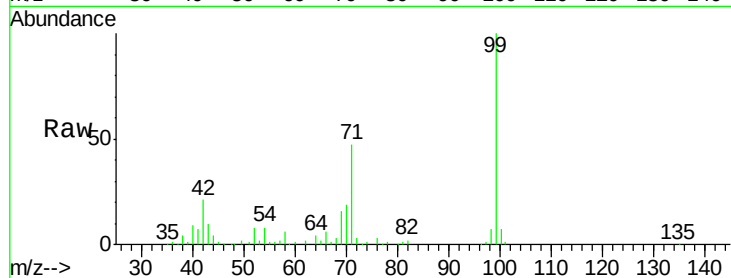
Tot Ion: 99 Resp: 260387

Ion Ratio Lower Upper

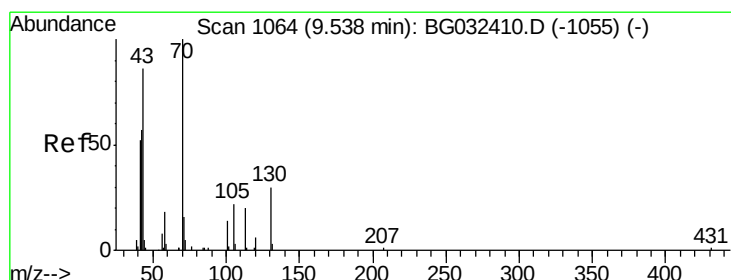
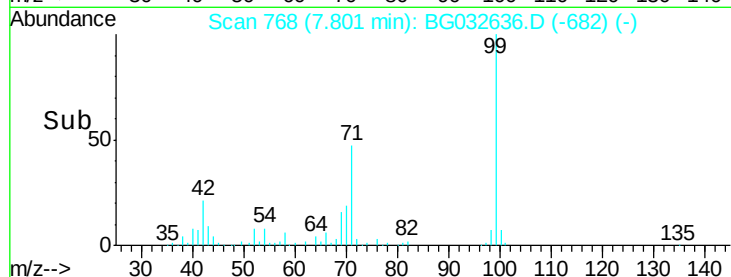
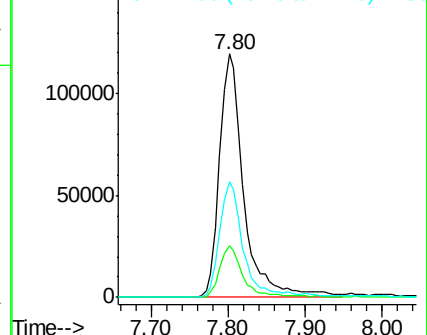
99 100

42 20.9 14.1 21.1

71 47.3 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: 20.99 ng

RT: 9.88 min Scan# 1122

Delta R.T. 0.37 min

Lab File: BG032636.D

Acq: 9 Feb 2018 18:19

Tgt Ion: 70 Resp: 29348

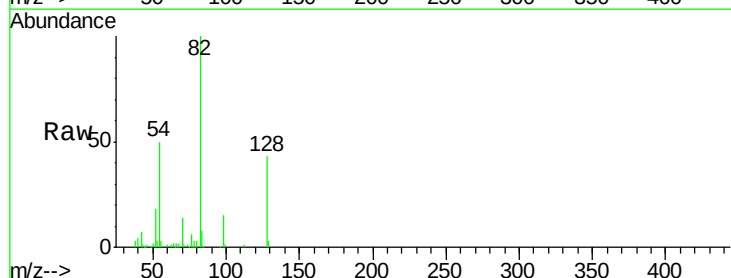
Ion Ratio Lower Upper

70 100

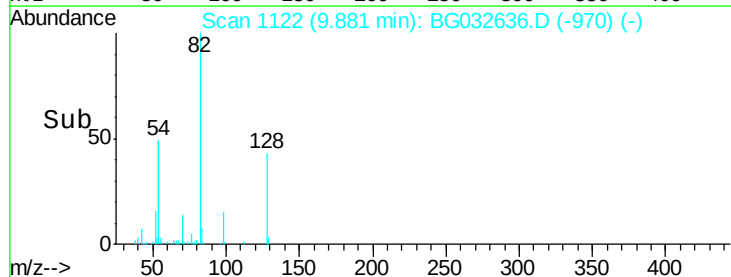
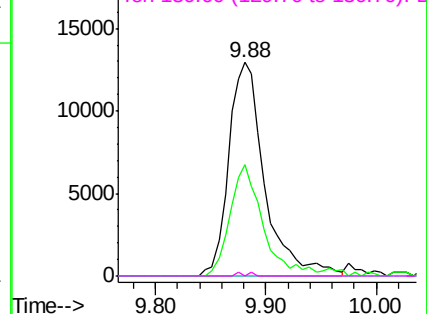
42 52.0 49.1 73.7

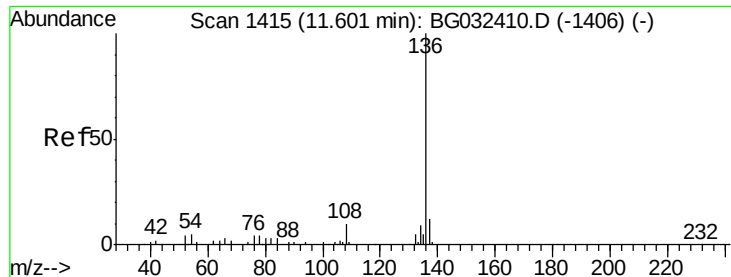
101 0.0 8.5 12.7#

130 0.0 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

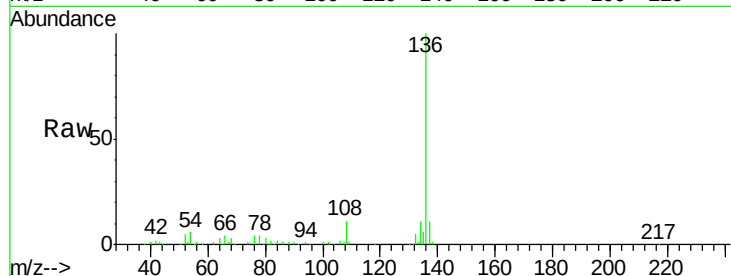




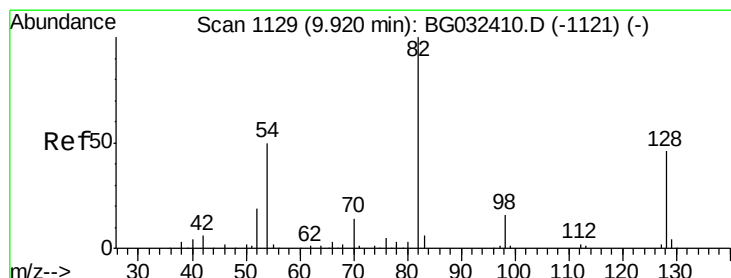
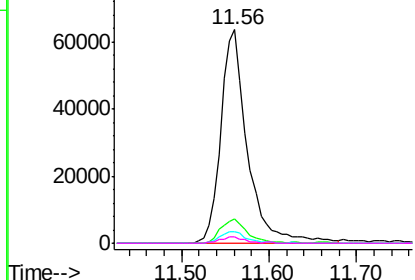
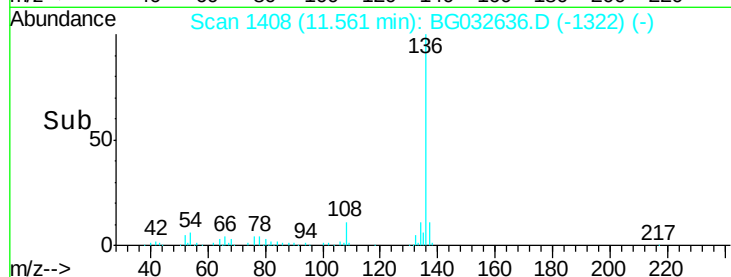
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.56 min Scan# 1408
Delta R.T. -0.02 min
Lab File: BG032636.D
Acq: 9 Feb 2018 18:19

Instrument :
BNA_G
ClientSampled :

Tot Ion:	136	Resp:	133838
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.2	13.8
54	5.6	10.3	15.5#
68	3.1	4.5	6.7#

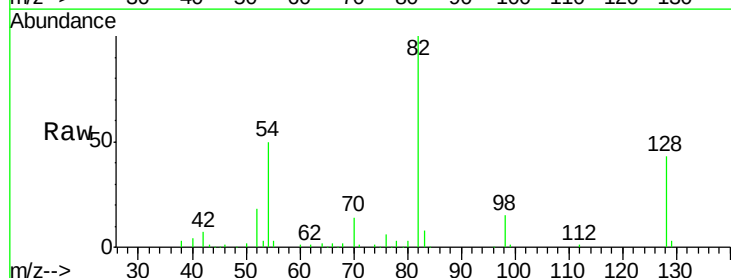


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

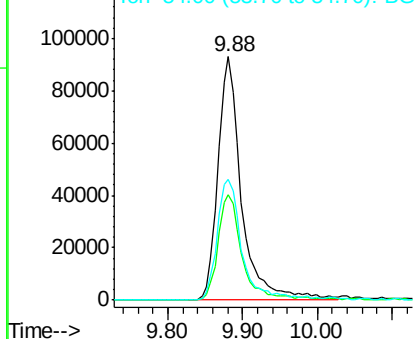
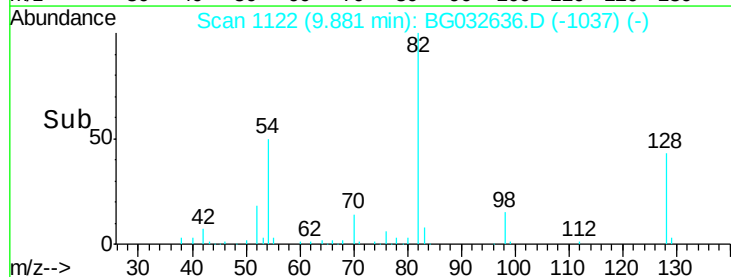


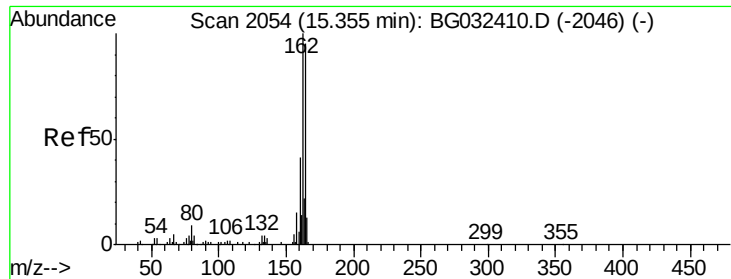
#23
Nitrobenzene-d5
Concen: 95.44 ng
RT: 9.88 min Scan# 1122
Delta R.T. -0.03 min
Lab File: BG032636.D
Acq: 9 Feb 2018 18:19

Tgt Ion:	82	Resp:	204513
Ion	Ratio	Lower	Upper
82	100		
128	43.4	29.7	44.5
54	49.8	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: 20.00 ng

RT: 15.32 min Scan# 2047

Delta R.T. -0.03 min

Lab File: BG032636.D

Acq: 9 Feb 2018 18:19

Instrument :

BNA_G

ClientSampleId :

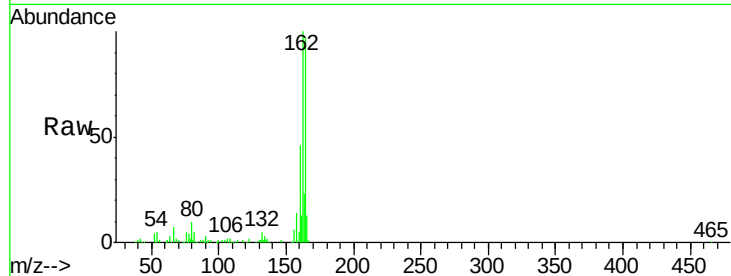
Tot Ion:164 Resp: 115947

Ion Ratio Lower Upper

164 100

162 103.2 78.8 118.2

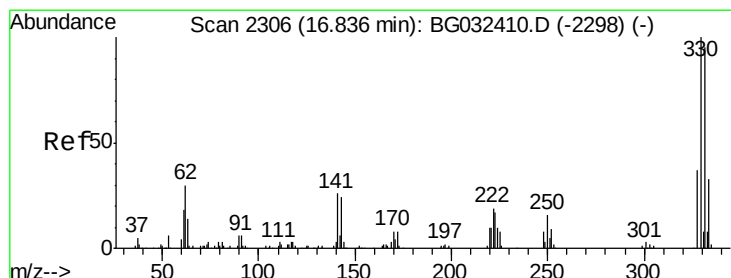
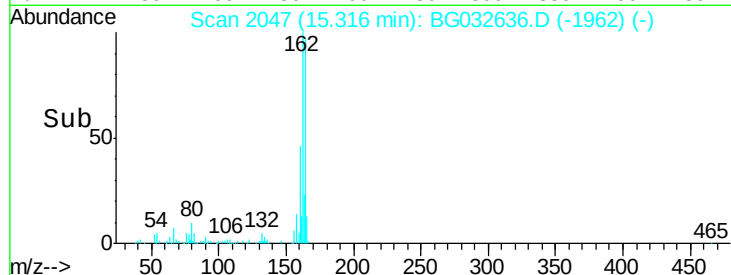
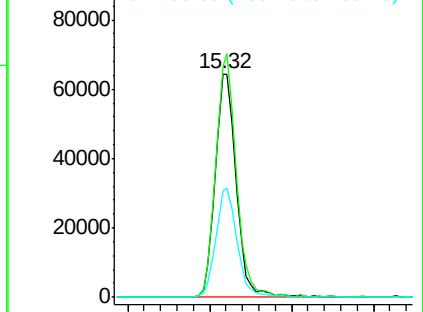
160 47.4 35.4 53.0



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: 134.49 ng

RT: 16.80 min Scan# 2300

Delta R.T. -0.02 min

Lab File: BG032636.D

Acq: 9 Feb 2018 18:19

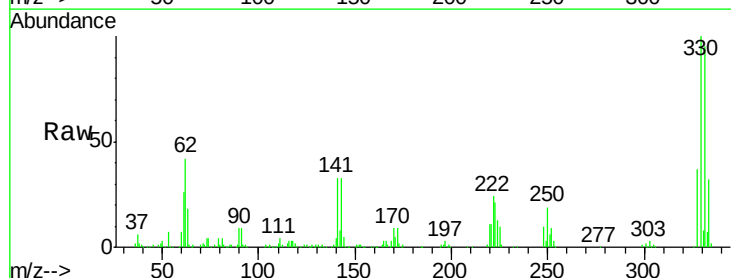
Tgt Ion:330 Resp: 296837

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

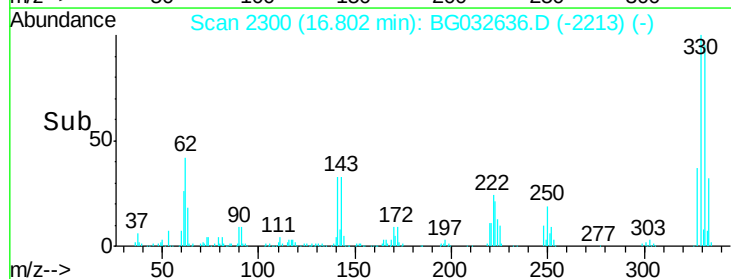
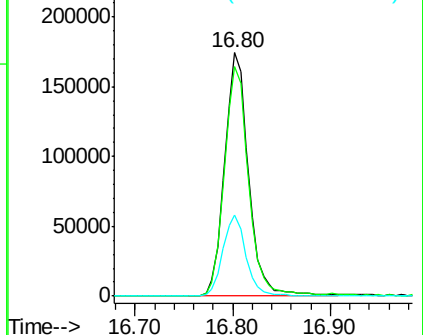
141 32.3 25.2 37.8

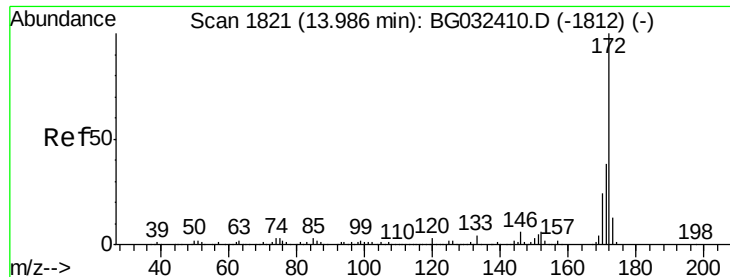


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

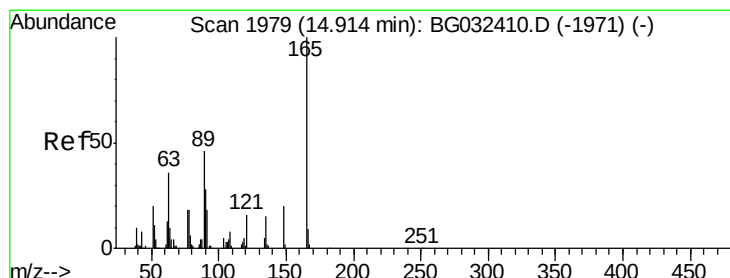
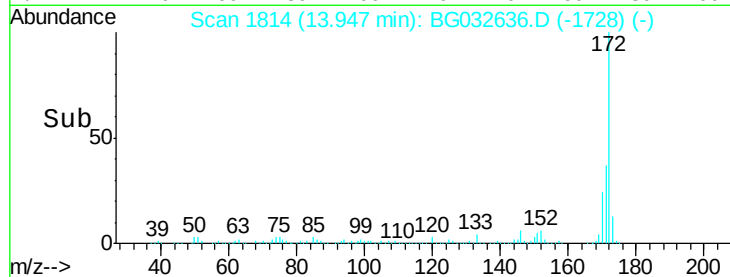
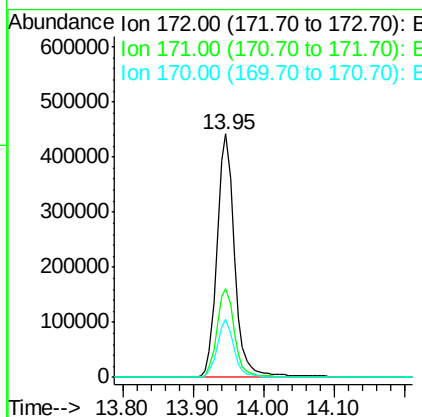
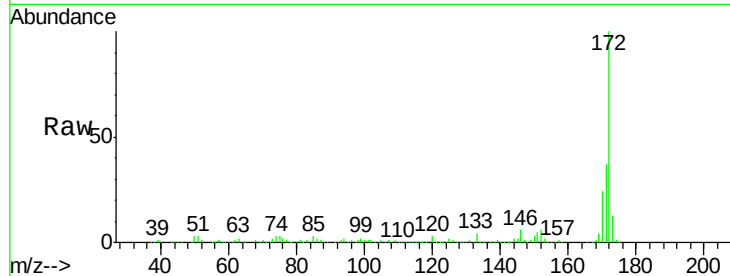




#44
 2-Fluorobiphenyl
 Concen: 78.83 ng
 RT: 13.95 min Scan# 1814
 Delta R.T. -0.02 min
 Lab File: BG032636.D
 Acq: 9 Feb 2018 18:19

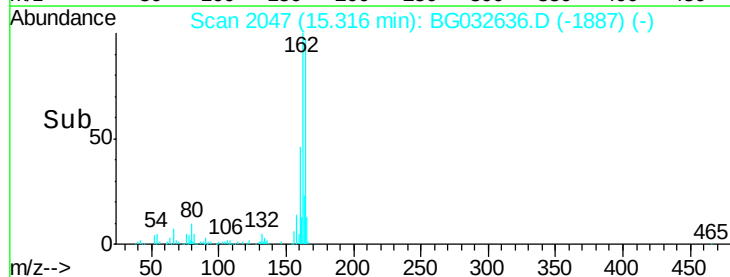
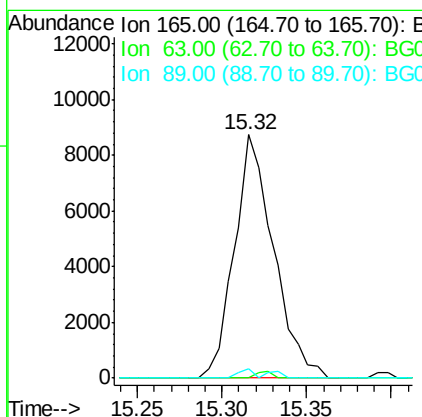
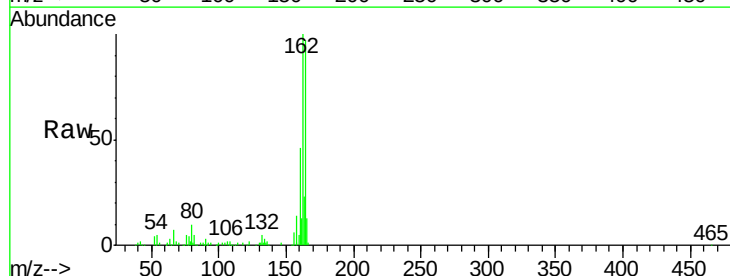
Instrument :
 BNA_G
 ClientSampleId :

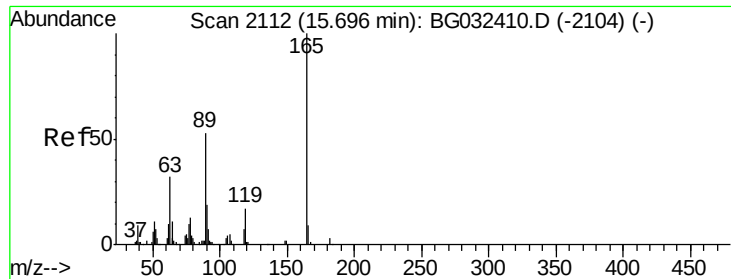
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.0	45.0
170	23.7	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.28 ng
 RT: 15.32 min Scan# 2047
 Delta R.T. 0.41 min
 Lab File: BG032636.D
 Acq: 9 Feb 2018 18:19

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	3.8	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 4.41 ng

RT: 15.32 min Scan# 2047

Delta R.T. -0.37 min

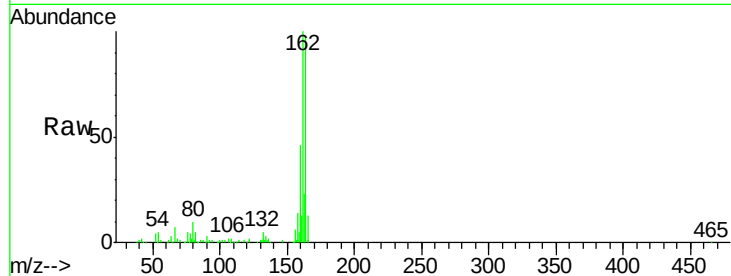
Lab File: BG032636.D

Acq: 9 Feb 2018 18:19

Instrument :

BNA_G

ClientSampleId :



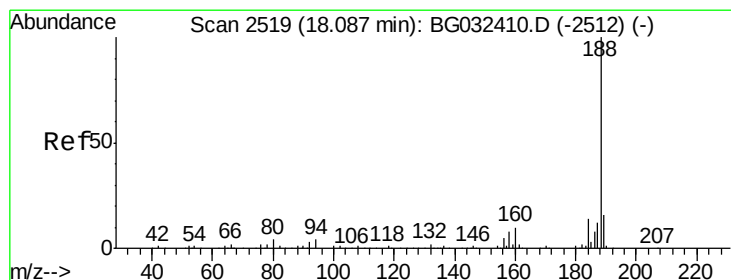
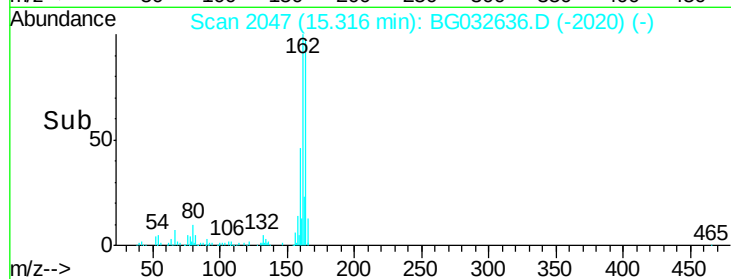
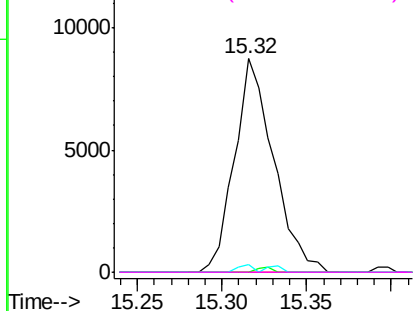
Tot Ion:	165	Resp:	14092
Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	3.8	66.9	100.3#
182	0.0	2.6	3.8#

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



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.06 min Scan# 2514

Delta R.T. -0.02 min

Lab File: BG032636.D

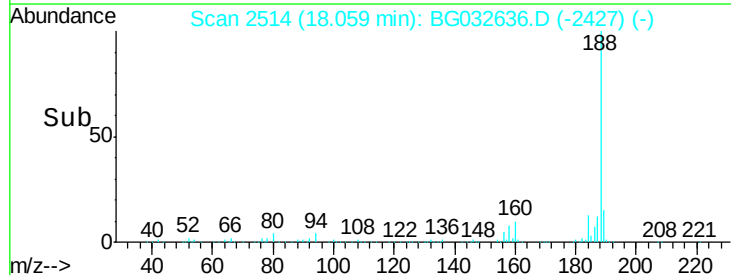
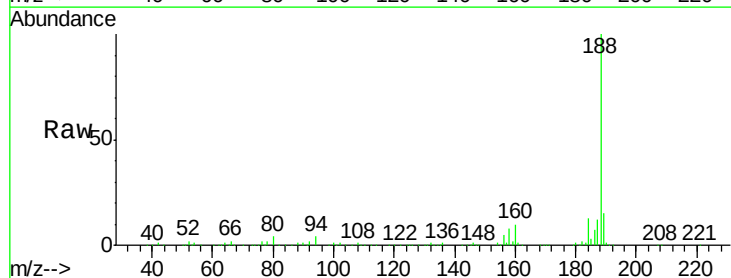
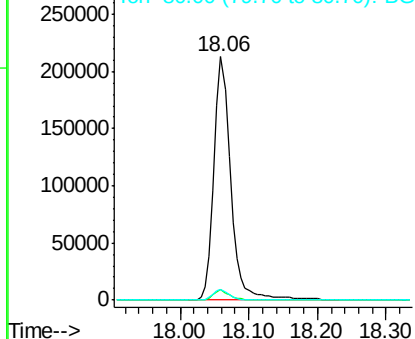
Acq: 9 Feb 2018 18:19

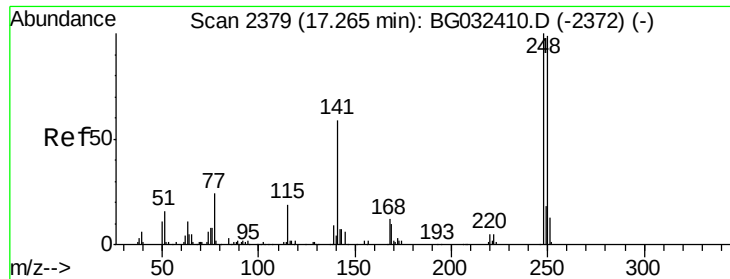
Tgt Ion:	188	Resp:	363755
Ion	Ratio	Lower	Upper
188	100		
94	4.5	6.9	10.3#
80	4.2	7.7	11.5#

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

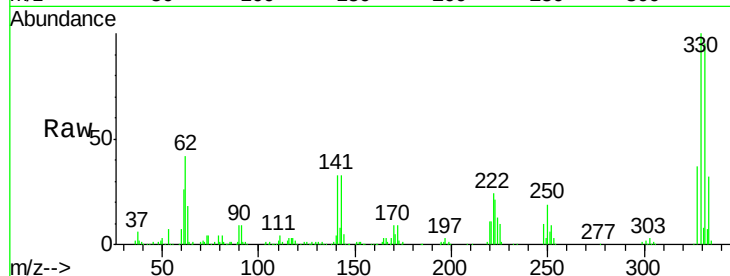




#66
4-Bromophenyl-phenylether
Concen: 5.05 ng
RT: 16.80 min Scan# 2300
Delta R.T. -0.45 min
Lab File: BG032636.D
Acq: 9 Feb 2018 18:19

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
248	100		
250	191.9	77.1	115.7#
141	340.7	50.8	76.2#

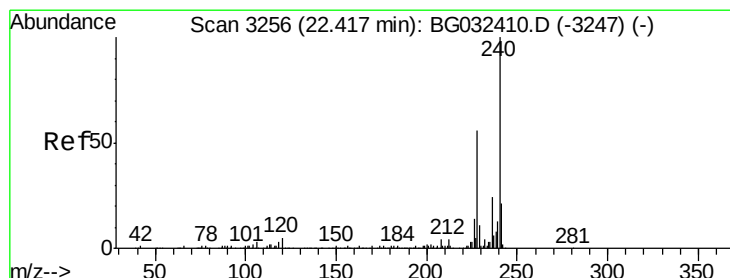
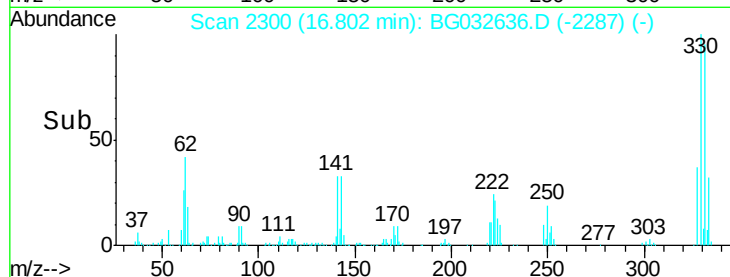
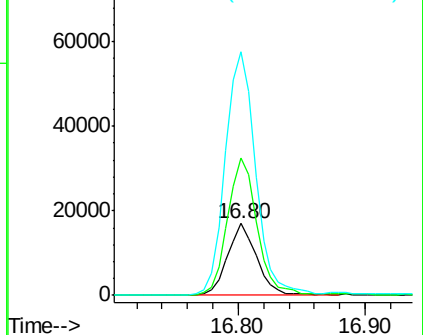


Abundance

Ion 248.00 (247.70 to 248.70): E

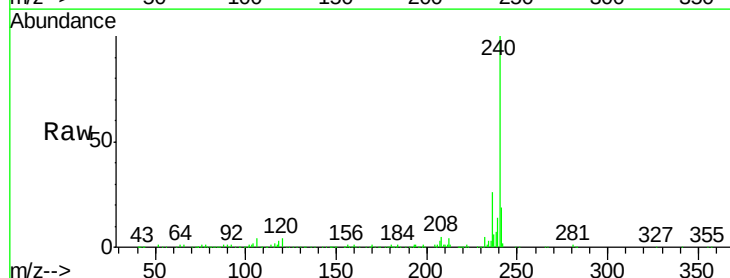
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#75
Chrysene-d12
Concen: 20.00 ng
RT: 22.39 min Scan# 3251
Delta R.T. -0.02 min
Lab File: BG032636.D
Acq: 9 Feb 2018 18:19

Tgt Ion	Ratio	Lower	Upper
240	100		
120	3.7	6.8	10.2#
236	25.7	20.9	31.3

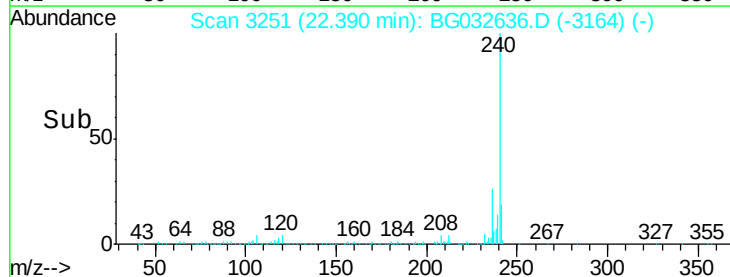
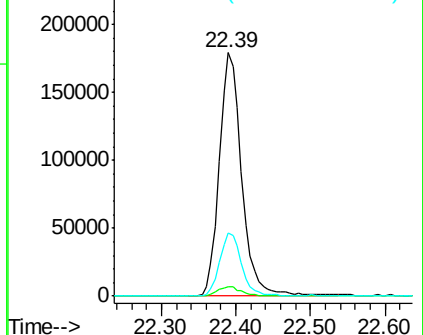


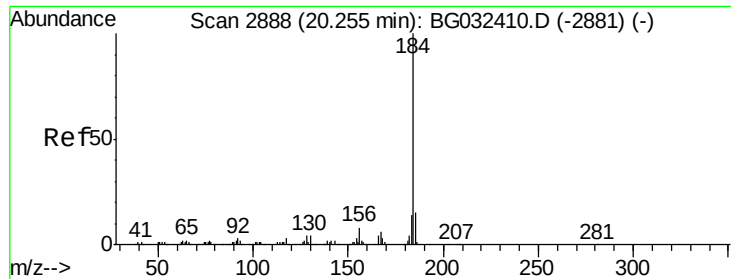
Abundance

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: 3.11 ng

RT: 20.60 min Scan# 2947

Delta R.T. 0.36 min

Lab File: BG032636.D

Acq: 9 Feb 2018 18:19

Instrument :

BNA_G

ClientSampleId :

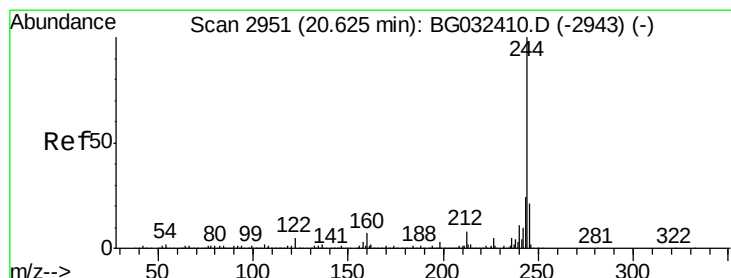
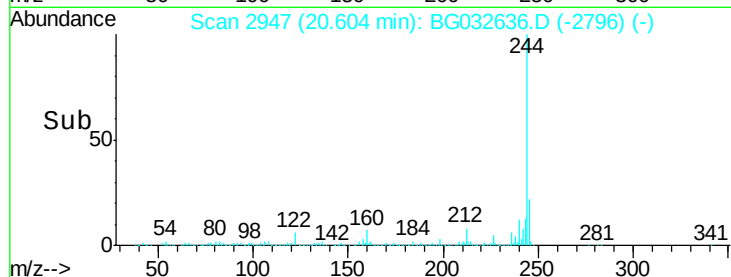
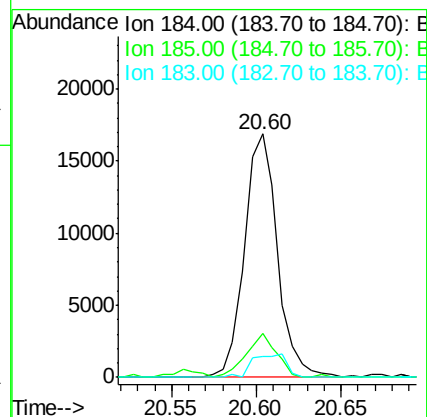
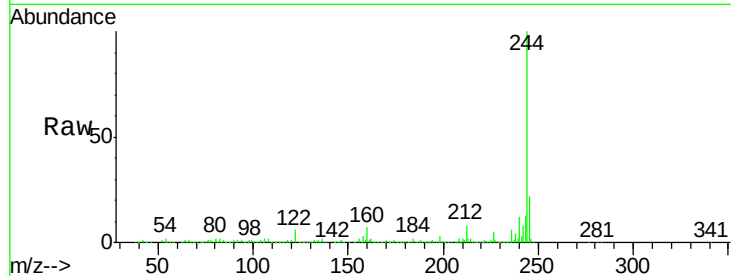
Tot Ion:184 Resp: 22882

Ion Ratio Lower Upper

184 100

185 18.0 11.1 16.7#

183 8.7 10.6 16.0#



#78

Terphenyl-d14

Concen: 87.21 ng

RT: 20.60 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BG032636.D

Acq: 9 Feb 2018 18:19

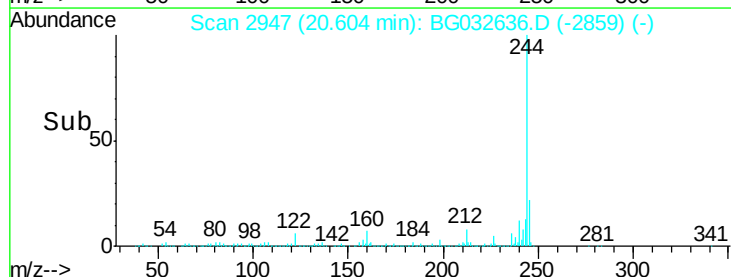
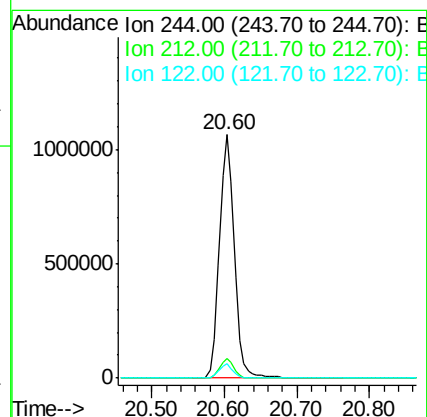
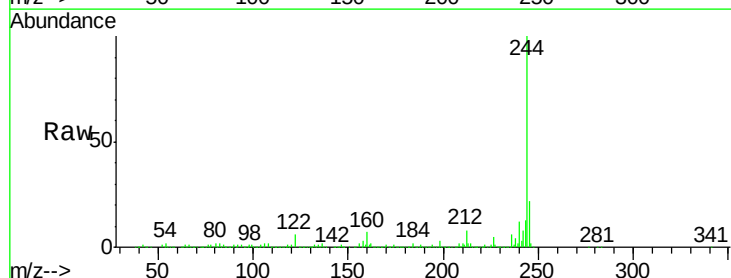
Tgt Ion:244 Resp: 1526225

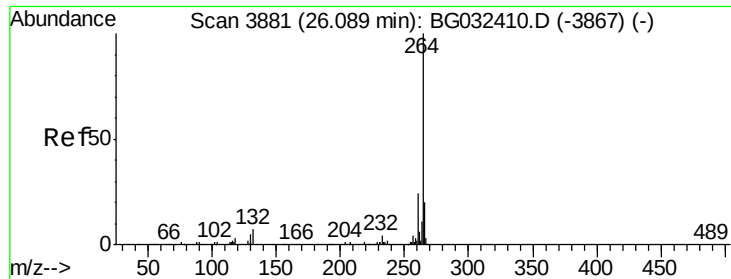
Ion Ratio Lower Upper

244 100

212 7.9 5.8 8.8

122 5.7 7.0 10.4#





#86
 Pervlene-d12
 Concen: 20.00 ng
 RT: 26.07 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: BG032636.D
 Acq: 9 Feb 2018 18:19

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.8	17.4	26.0
265	21.8	17.7	26.5

