

Data Path : U:\HPCHEM1\BNA G\DATA\BG020218\
 Data File : BG032533.D
 Acq On : 3 Feb 2018 5:03
 Operator : SJ/JU
 Sample : J1436-20
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 03 05:43:18 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG012918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 29 15:32:55 2018
 Response via : Initial Calibration

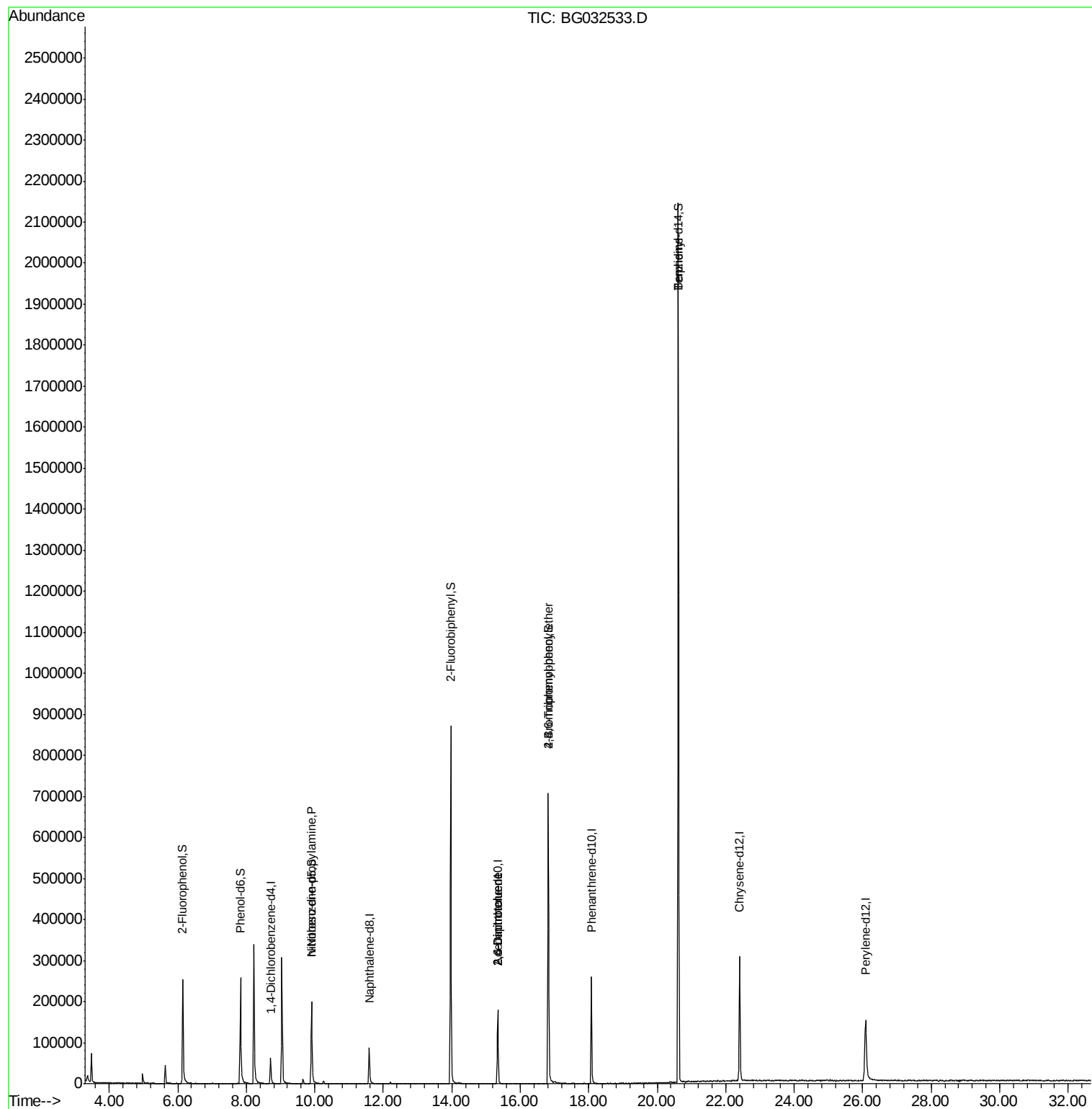
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	24769	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	94986	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	70361	20.00	ng	-0.02
63) Phenanthrene-d10	18.08	188	193572	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	254197	20.00	ng	-0.02
86) Perylene-d12	26.08	264	248591	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.14	112	146443	118.75	ng	-0.01
7) Phenol-d6	7.83	99	175264	106.51	ng	0.00
23) Nitrobenzene-d5	9.90	82	145930	95.96	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	181495	135.51	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	538428	90.95	ng	-0.02
78) Terphenyl-d14	20.62	244	1203738	101.44	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.90	70	20877	19.134	ng	# 77
50) 2,6-Dinitrotoluene	15.34	165	9685	7.113	ng	# 18
56) 2,4-Dinitrotoluene	15.34	165	9685	4.995	ng	# 16
66) 4-Bromophenyl-phenylether	16.82	248	14501	5.057	ng	# 1
76) Benzidine	20.62	184	17291	3.464	ng	96

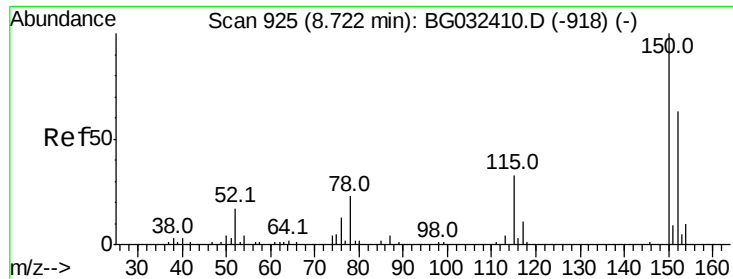
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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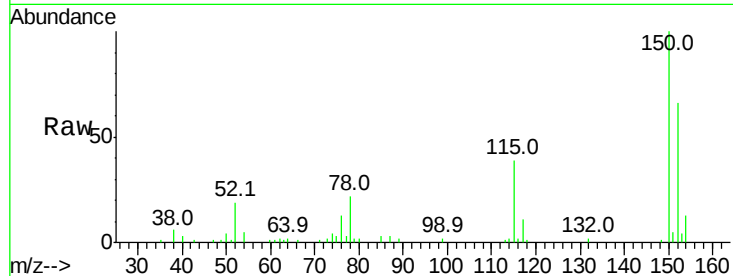


#1

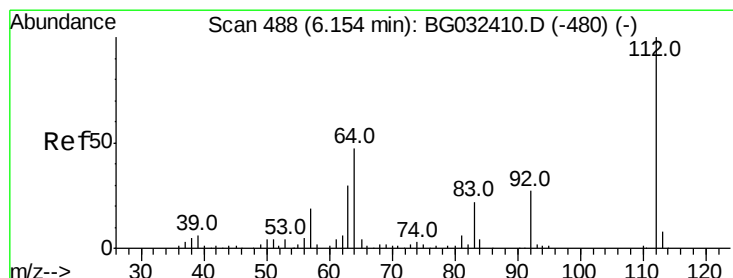
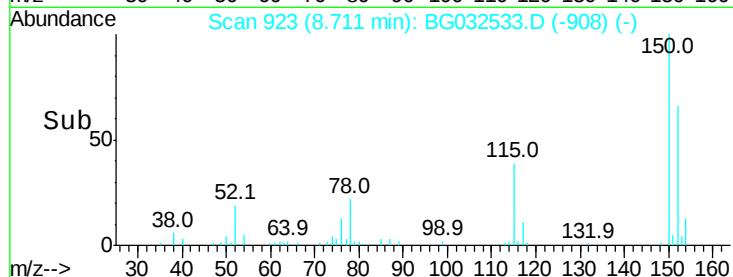
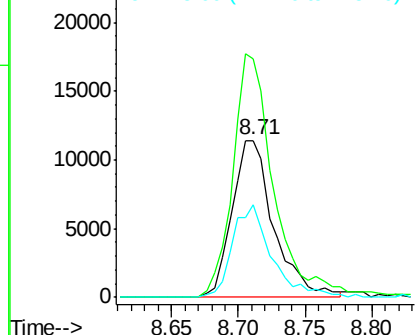
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.71 min Scan# 923
 Delta R.T. -0.01 min
 Lab File: BG032533.D
 Acq: 3 Feb 2018 5:03

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:152 Resp: 24769
 Ion Ratio Lower Upper
 152 100
 150 151.6 126.6 189.8
 115 58.8 53.0 79.4



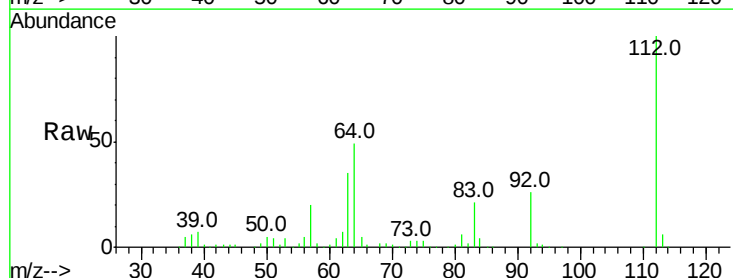
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



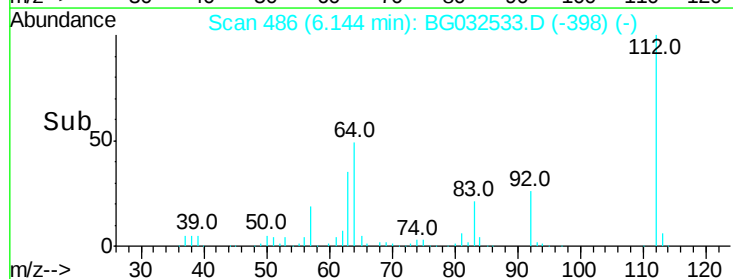
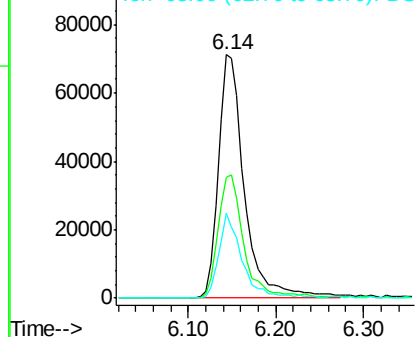
#5

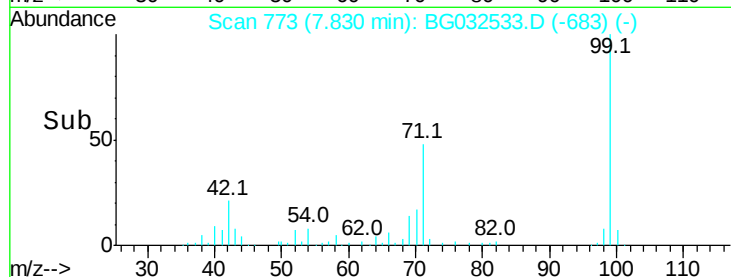
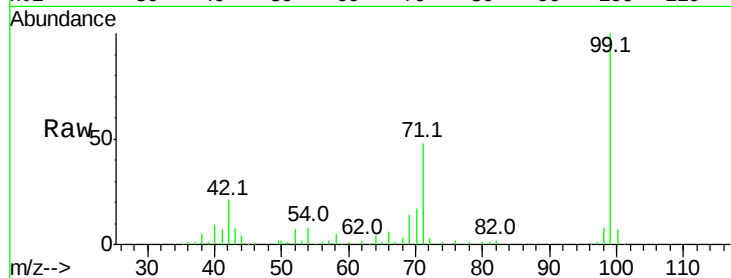
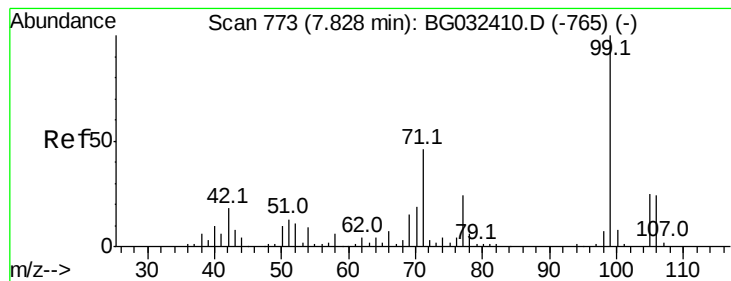
2-Fluorophenol
 Concen: 118.753 ng
 RT: 6.14 min Scan# 486
 Delta R.T. -0.01 min
 Lab File: BG032533.D
 Acq: 3 Feb 2018 5:03

Tgt Ion:112 Resp: 146443
 Ion Ratio Lower Upper
 112 100
 64 49.4 56.3 84.5#
 63 34.9 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: 106.507 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032533.D

Acq: 3 Feb 2018 5:03

Instrument :

BNA_G

ClientSampled :

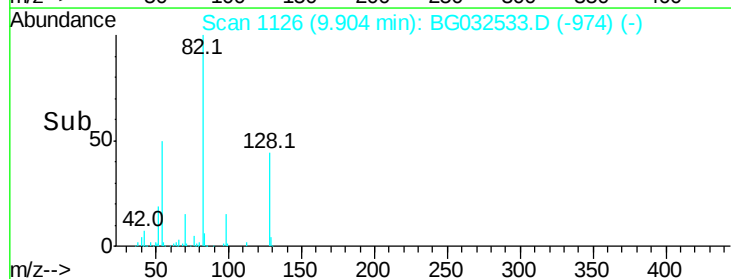
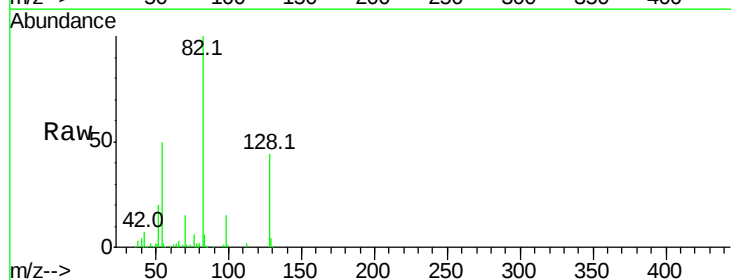
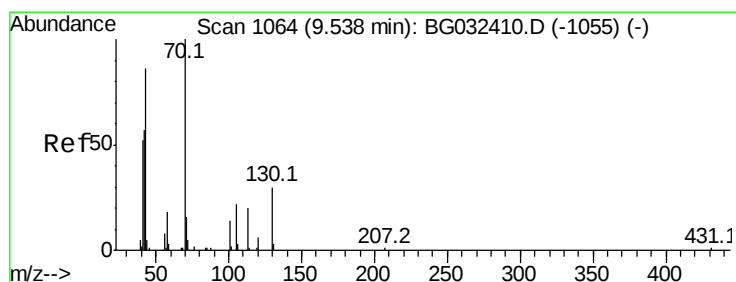
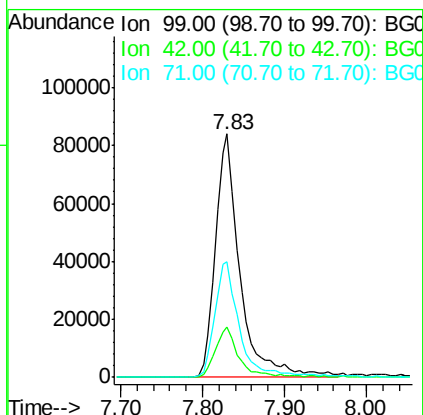
Tot Ion: 99 Resp: 175264

Ion Ratio Lower Upper

99 100

42 20.6 14.1 21.1

71 47.6 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 19.134 ng

RT: 9.90 min Scan# 1126

Delta R.T. 0.37 min

Lab File: BG032533.D

Acq: 3 Feb 2018 5:03

Tgt Ion: 70 Resp: 20877

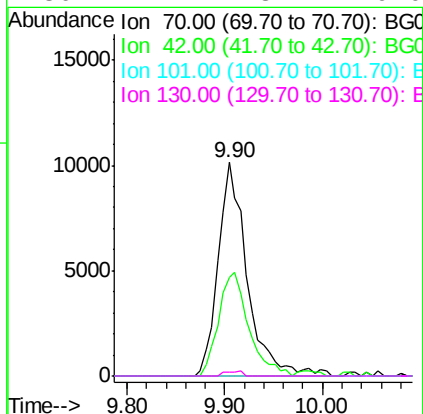
Ion Ratio Lower Upper

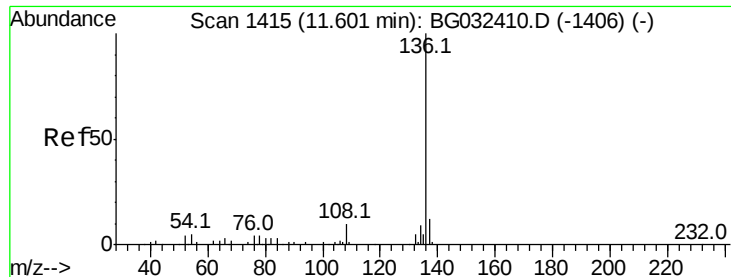
70 100

42 46.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.1 13.4 20.0#

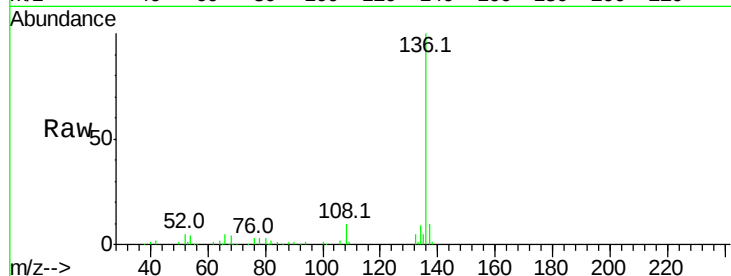




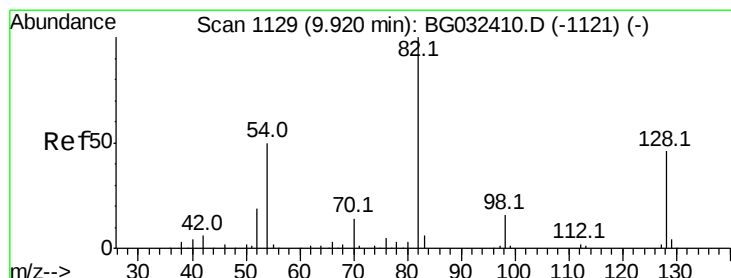
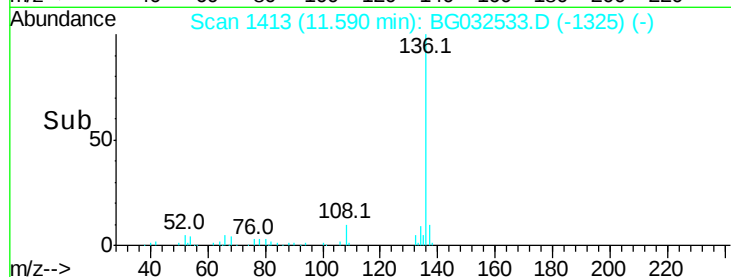
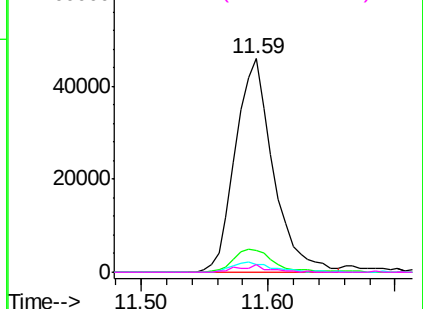
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG032533.D
Acq: 3 Feb 2018 5:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	94986
Ion	Ratio	Lower	Upper
136	100		
137	10.2	9.2	13.8
54	3.7	10.3	15.5#
68	3.9	4.5	6.7#

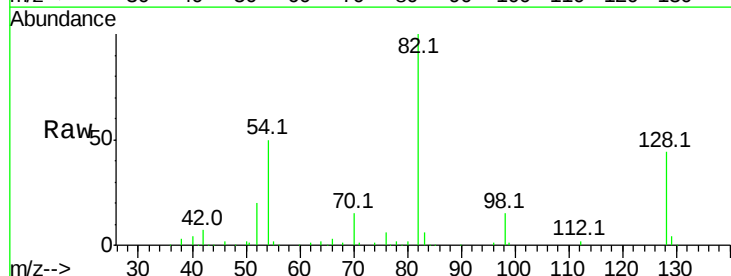


Abundance Ion 136.00 (135.70 to 136.70): B
Ion 137.00 (136.70 to 137.70): B
Ion 54.00 (53.70 to 54.70): B
Ion 68.00 (67.70 to 68.70): B

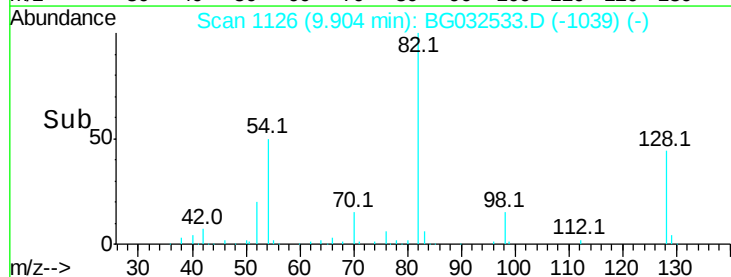
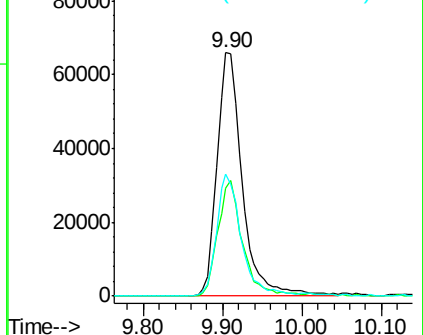


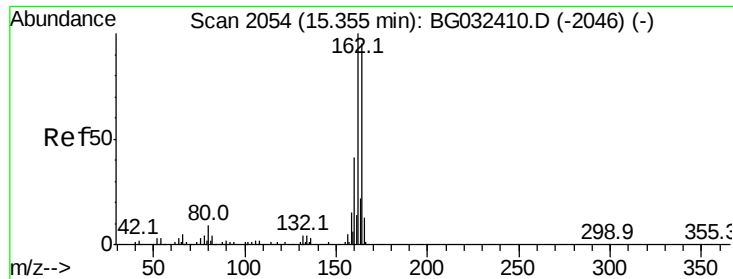
#23
Nitrobenzene-d5
Concen: 95.960 ng
RT: 9.90 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BG032533.D
Acq: 3 Feb 2018 5:03

Tgt Ion:	82	Resp:	145930
Ion	Ratio	Lower	Upper
82	100		
128	44.2	29.7	44.5
54	50.1	43.1	64.7



Abundance Ion 82.00 (81.70 to 82.70): B
Ion 128.00 (127.70 to 128.70): B
Ion 54.00 (53.70 to 54.70): B





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.02 min

Lab File: BG032533.D

Acq: 3 Feb 2018 5:03

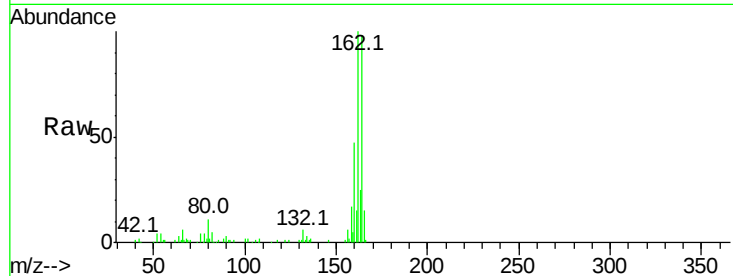
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 70361

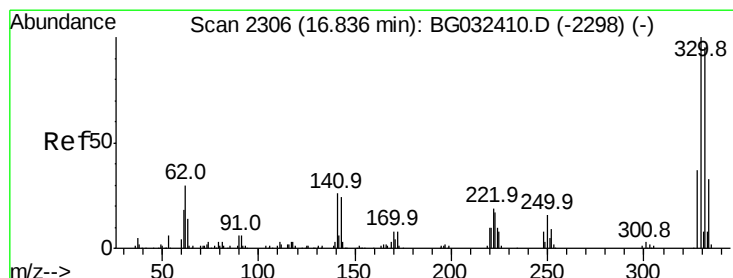
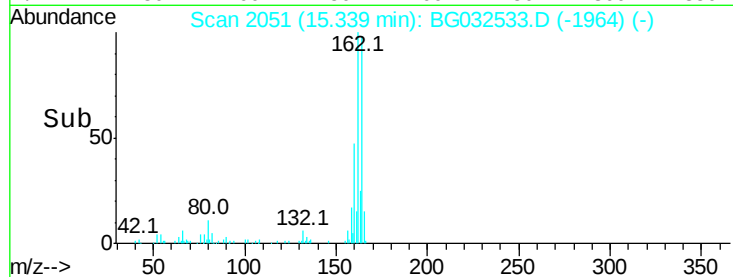
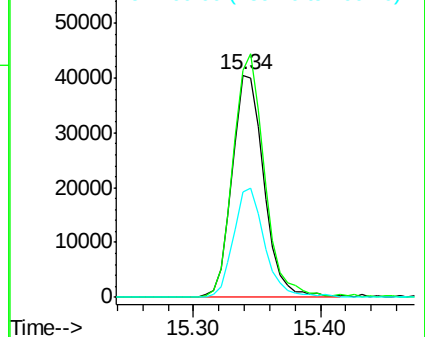
Ion	Ratio	Lower	Upper
164	100		
162	102.1	78.8	118.2
160	47.6	35.4	53.0



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: 135.512 ng

RT: 16.82 min Scan# 2303

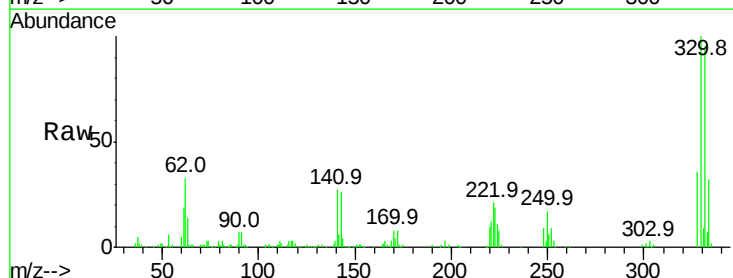
Delta R.T. -0.02 min

Lab File: BG032533.D

Acq: 3 Feb 2018 5:03

Tgt Ion:330 Resp: 181495

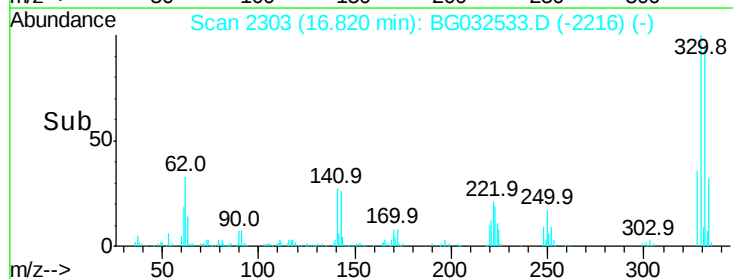
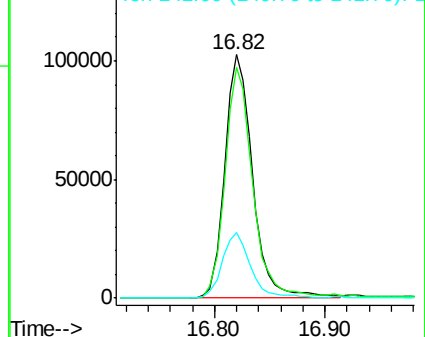
Ion	Ratio	Lower	Upper
330	100		
332	94.9	77.0	115.6
141	27.5	25.2	37.8

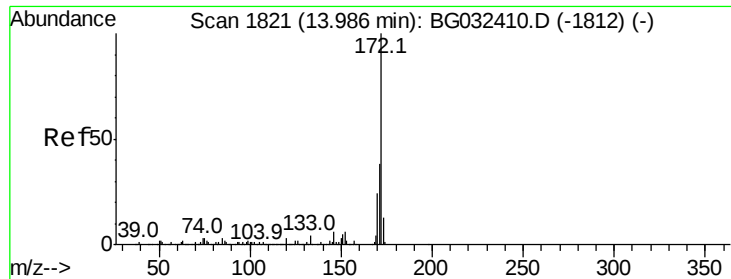


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

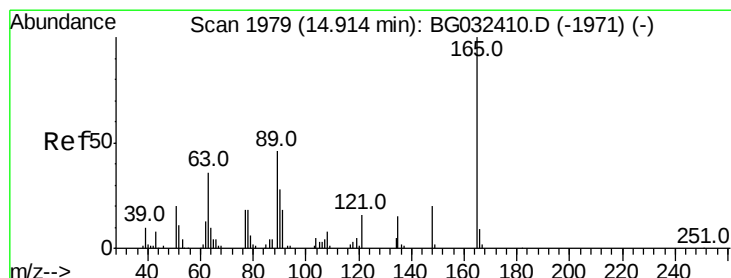
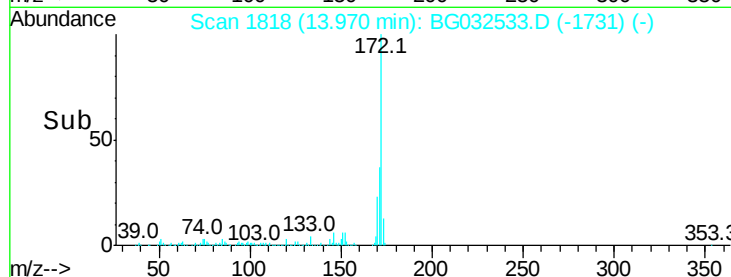
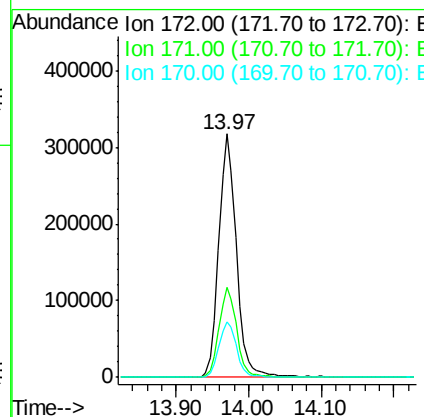
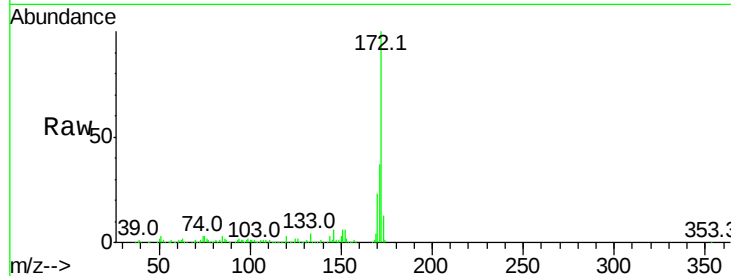




#44
 2-Fluorobiphenyl
 Concen: 90.953 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032533.D
 Acq: 3 Feb 2018 5:03

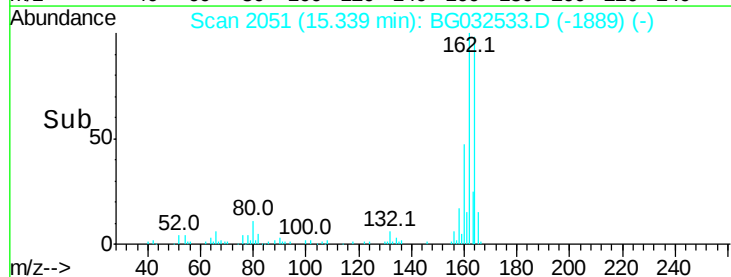
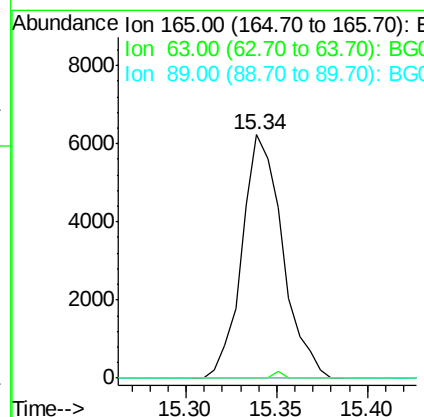
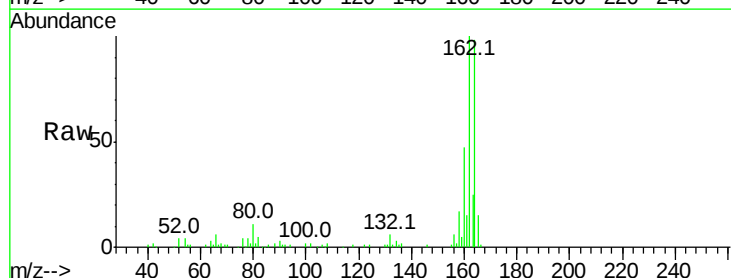
Instrument :
 BNA_G
 ClientSampleId :

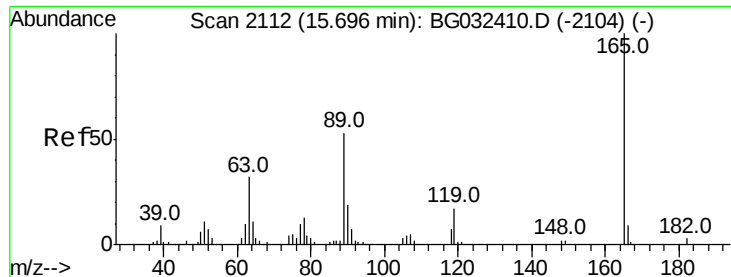
Tot Ion:172 Resp: 538428
 Ion Ratio Lower Upper
 172 100
 171 37.0 30.0 45.0
 170 22.7 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.113 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. 0.42 min
 Lab File: BG032533.D
 Acq: 3 Feb 2018 5:03

Tgt Ion:165 Resp: 9685
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

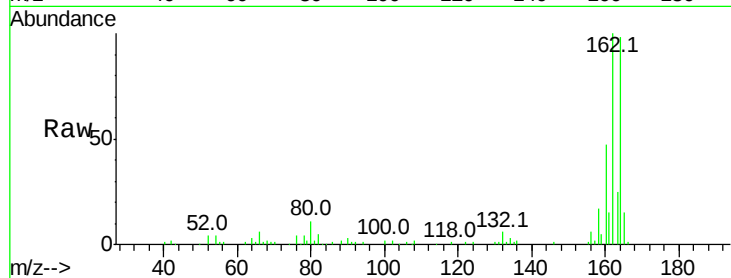




#56
 2,4-Dinitrotoluene
 Concen: 4.995 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. -0.36 min
 Lab File: BG032533.D
 Acq: 3 Feb 2018 5:03

Instrument :
 BNA_G
 ClientSampleId :

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

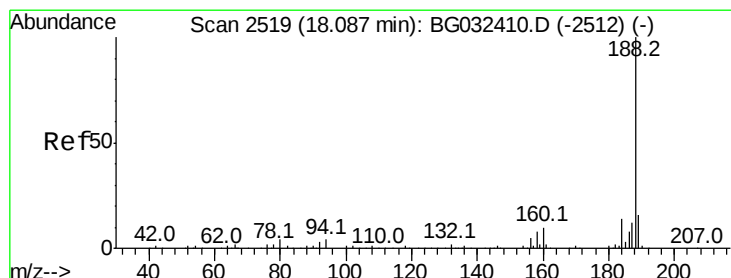
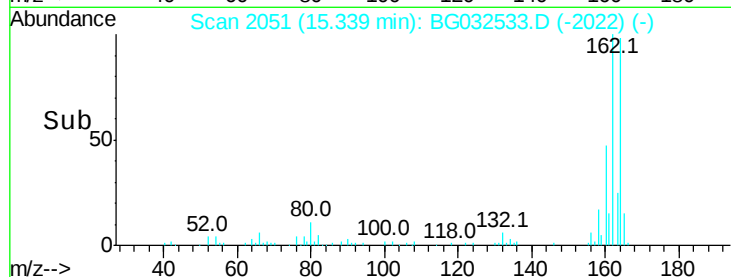
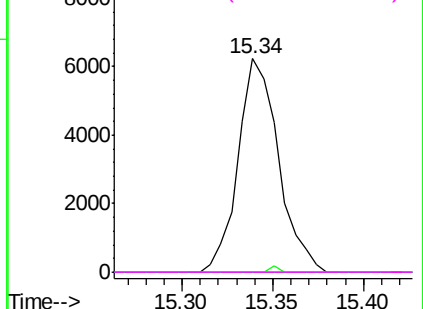


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

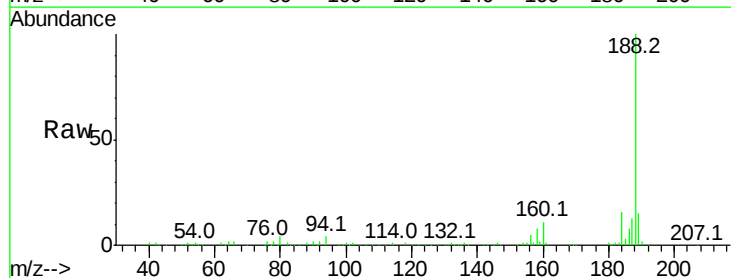
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032533.D
 Acq: 3 Feb 2018 5:03

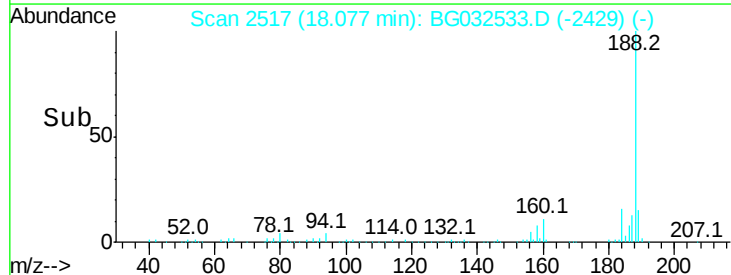
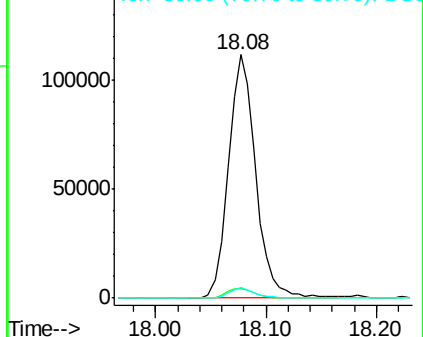
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.0	6.9	10.3#
80	4.2	7.7	11.5#

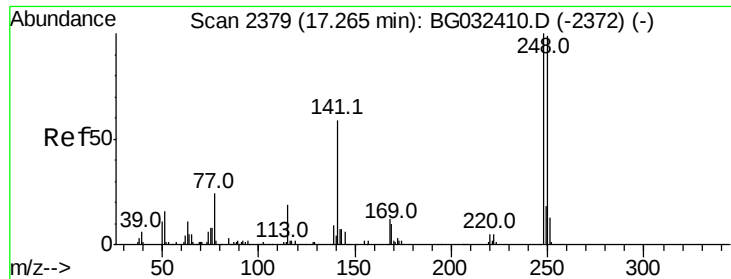


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

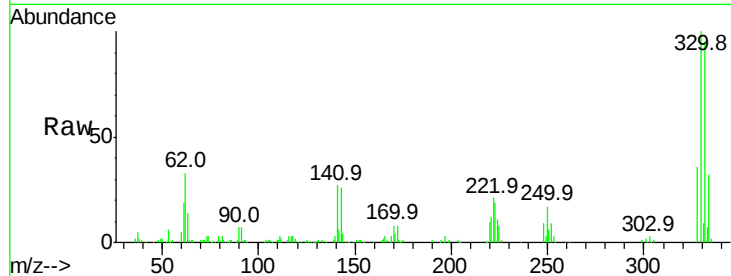




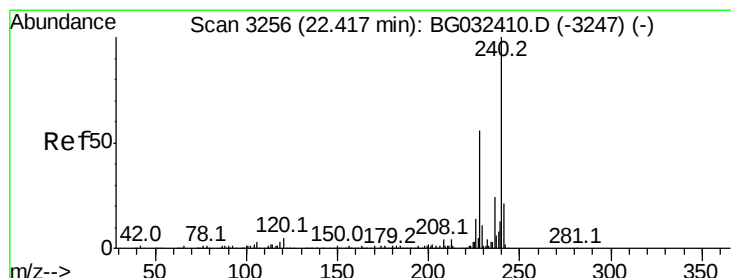
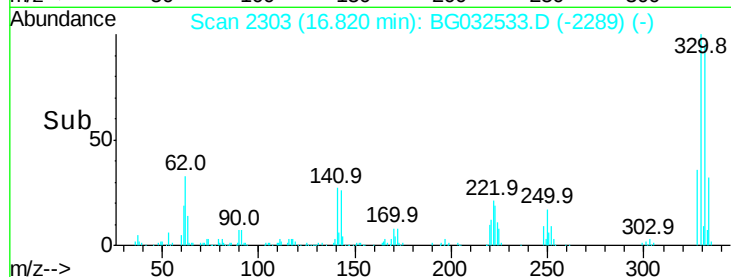
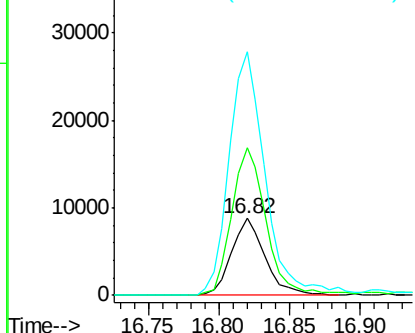
#66
4-Bromophenyl-phenylether
Concen: 5.057 ng
RT: 16.82 min Scan# 2303
Delta R.T. -0.44 min
Lab File: BG032533.D
Acq: 3 Feb 2018 5:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 14501
Ion Ratio Lower Upper
248 100
250 193.4 77.1 115.7#
141 317.8 50.8 76.2#

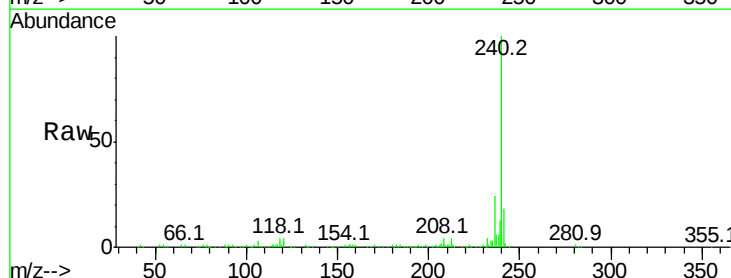


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

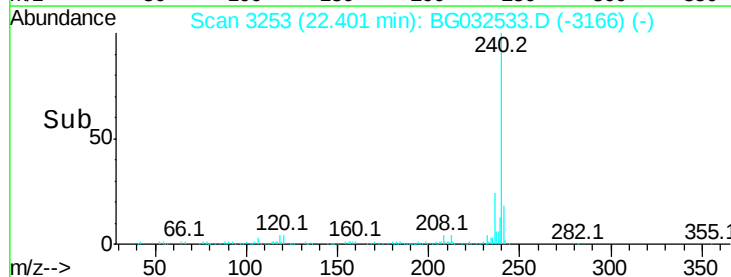
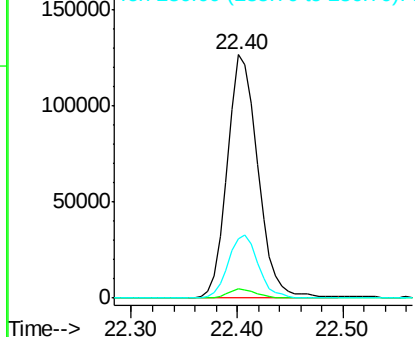


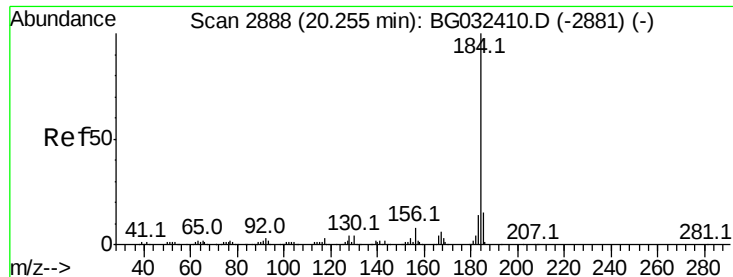
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.02 min
Lab File: BG032533.D
Acq: 3 Feb 2018 5:03

Tgt Ion:240 Resp: 254197
Ion Ratio Lower Upper
240 100
120 3.8 6.8 10.2#
236 24.2 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: 3.464 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032533.D

Acq: 3 Feb 2018 5:03

Instrument :

BNA_G

ClientSampleId :

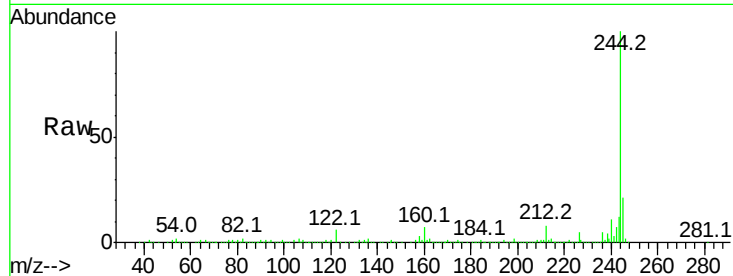
Tot Ion:184 Resp: 17291

Ion Ratio Lower Upper

184 100

185 15.8 11.1 16.7

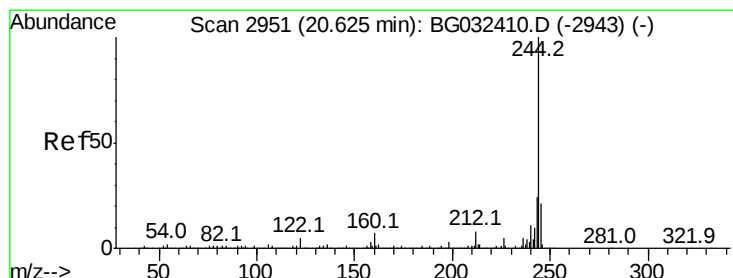
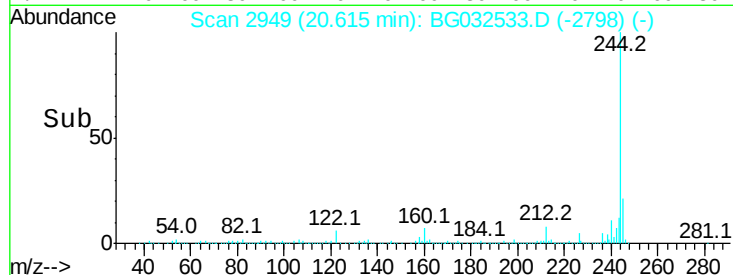
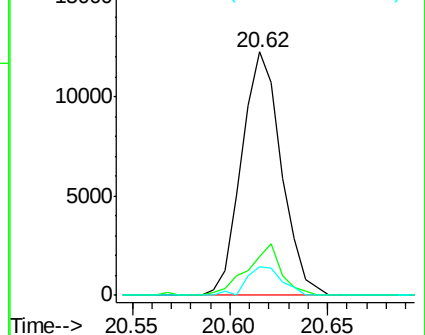
183 11.8 10.6 16.0



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: 101.437 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032533.D

Acq: 3 Feb 2018 5:03

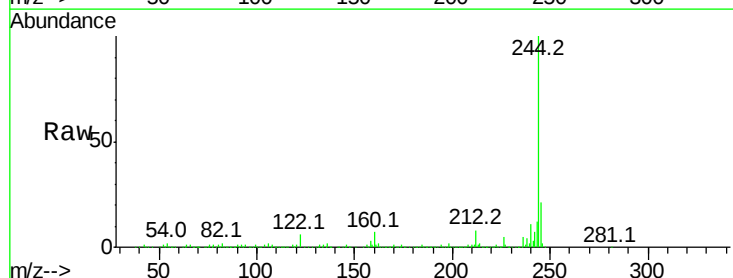
Tgt Ion:244 Resp: 1203738

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

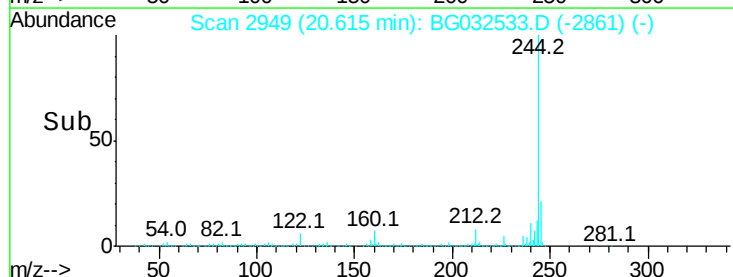
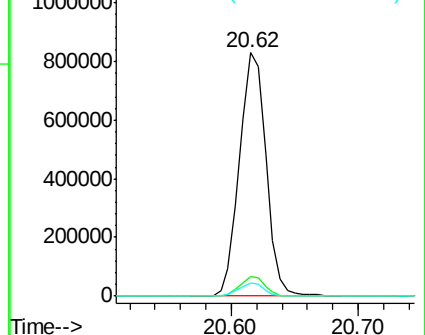
122 5.6 7.0 10.4#

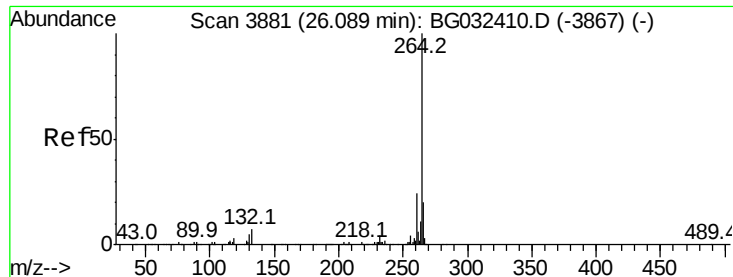


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

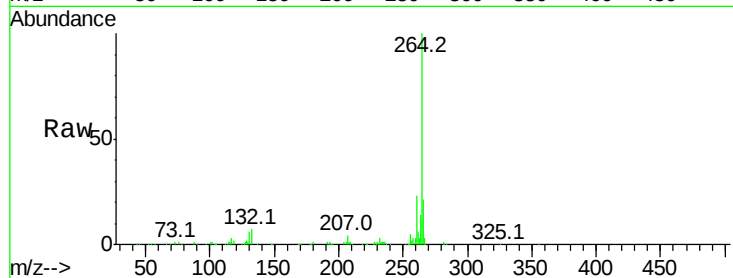




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.08 min Scan# 3879
Delta R.T. -0.01 min
Lab File: BG032533.D
Acq: 3 Feb 2018 5:03

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.4	26.0
265	21.3	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

