

Data Path : U:\HPCHEM1\BNA G\DATA\BG020218\
 Data File : BG032528.D
 Acq On : 3 Feb 2018 1:56
 Operator : SJ/JU
 Sample : J1429-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 03 02:31:00 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

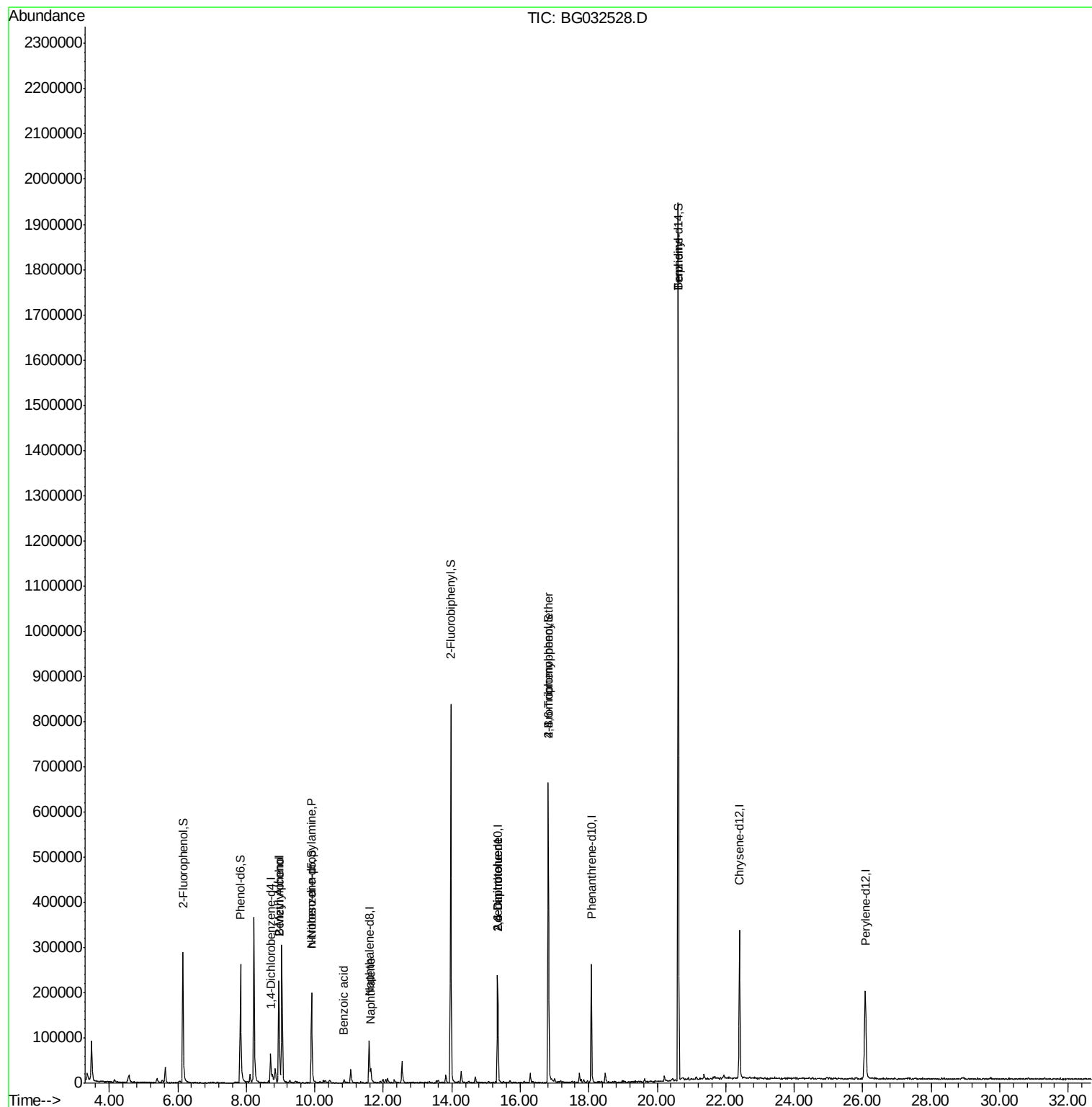
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	24521	20.00	ng	-0.01
21) Naphthalene-d8	11.58	136	98298	20.00	ng	-0.02
38) Acenaphthene-d10	15.34	164	71805	20.00	ng	-0.02
63) Phenanthrene-d10	18.08	188	195922	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	260466	20.00	ng	-0.02
86) Perylene-d12	26.07	264	282644	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	161164	132.01	ng	0.00
7) Phenol-d6	7.83	99	181369	111.33	ng	0.00
23) Nitrobenzene-d5	9.90	82	138495	88.00	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	168710	123.43	ng	-0.02
44) 2-Fluorobiphenyl	13.97	172	507064	83.93	ng	-0.02
78) Terphenyl-d14	20.61	244	1044161	85.87	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	8.95	79	100240	74.659	ng	95
17) 2-Methylphenol	8.95	107	53519	42.594	ng	# 8
19) n-Nitroso-di-n-propylamine	9.90	70	20661	19.128	ng	# 76
31) Naphthalene	11.64	128	27209	5.667	ng	# 94
32) Benzoic acid	10.86	122	105	7.374	ng	# 59
50) 2,6-Dinitrotoluene	15.34	165	9635	6.934	ng	# 34
56) 2,4-Dinitrotoluene	15.34	165	9635	4.870	ng	# 29
66) 4-Bromophenyl-phenylether	16.82	248	13670	4.710	ng	# 1
76) Benzidine	20.61	184	15091	2.951	ng	# 94

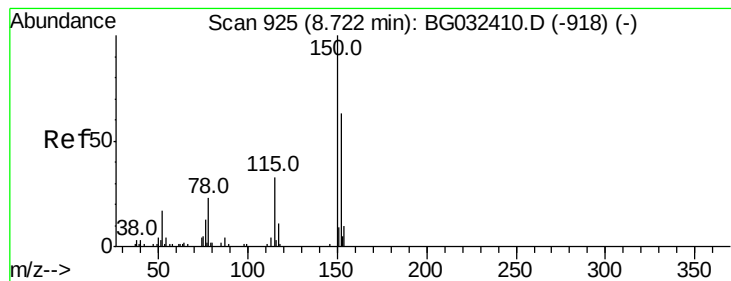
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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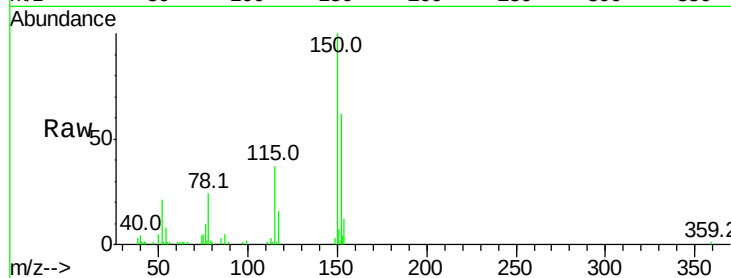


#1

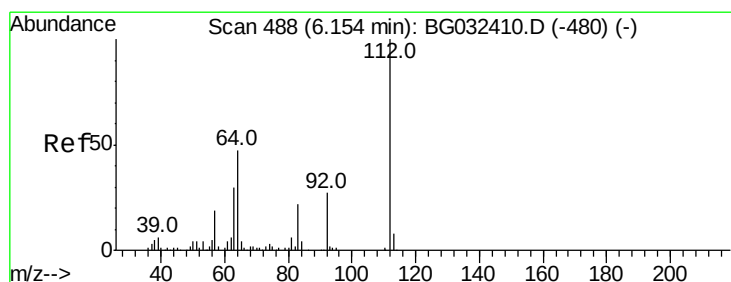
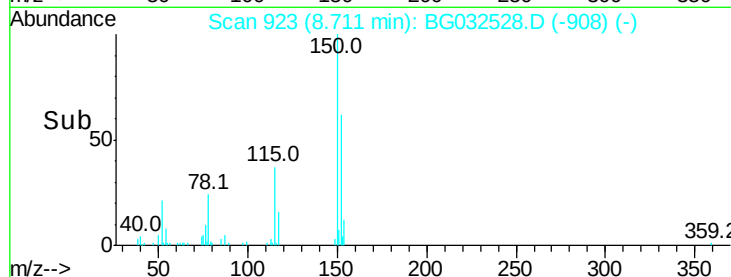
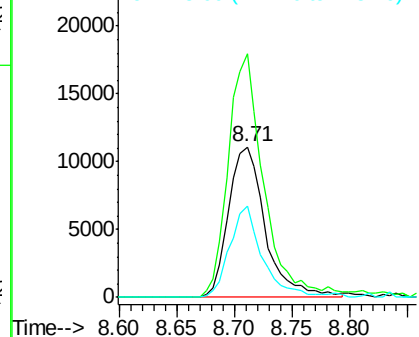
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032528.D
Acq: 3 Feb 2018 1:56

Instrument :
BNA_G
ClientSampled :

Tot Ion:152 Resp: 24521
Ion Ratio Lower Upper
152 100
150 162.0 126.6 189.8
115 60.7 53.0 79.4



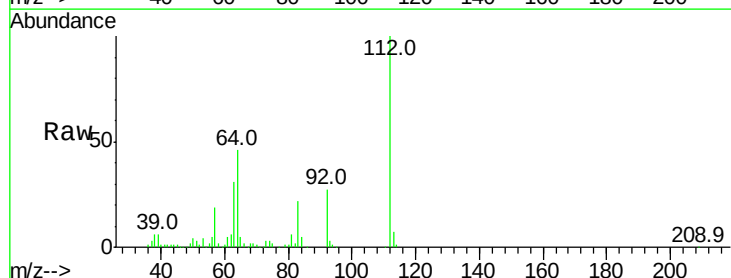
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



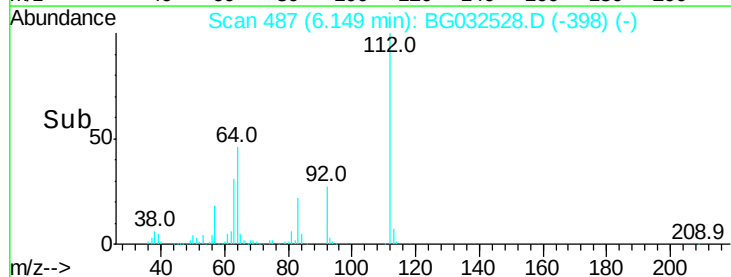
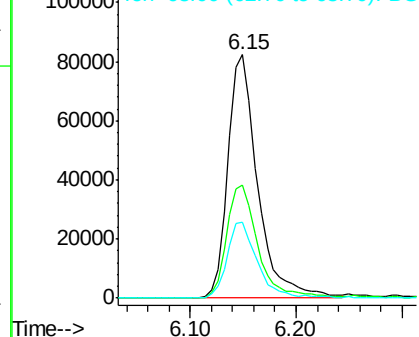
#5

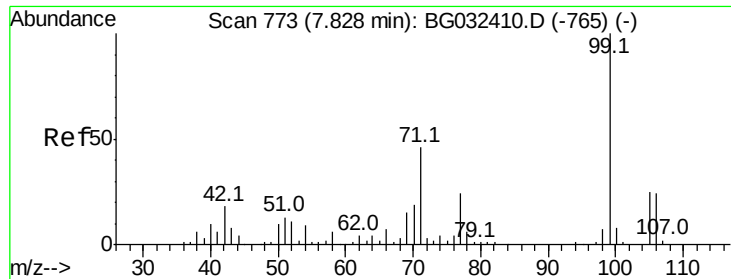
2-Fluorophenol
Concen: 132.012 ng
RT: 6.15 min Scan# 487
Delta R.T. -0.00 min
Lab File: BG032528.D
Acq: 3 Feb 2018 1:56

Tgt Ion:112 Resp: 161164
Ion Ratio Lower Upper
112 100
64 46.2 56.3 84.5#
63 31.2 30.1 45.1



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





#7

Phenol-d6

Concen: 111.331 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032528.D

Acq: 3 Feb 2018 1:56

Instrument :

BNA_G

ClientSampled :

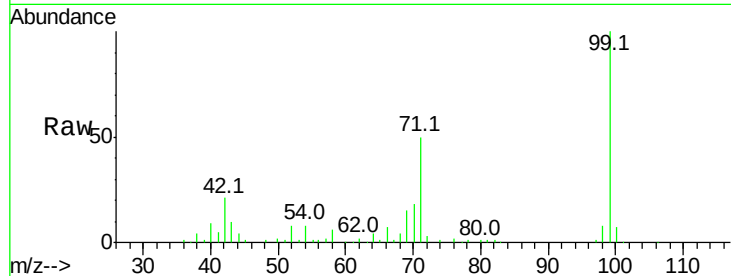
Tot Ion: 99 Resp: 181369

Ion Ratio Lower Upper

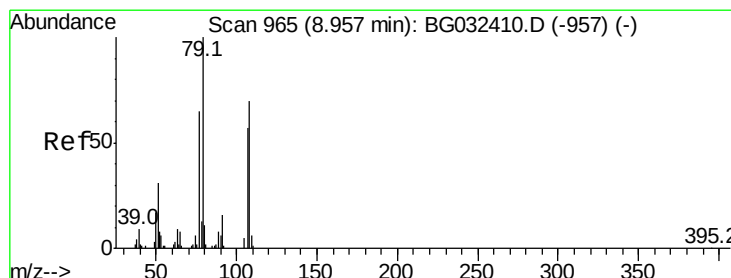
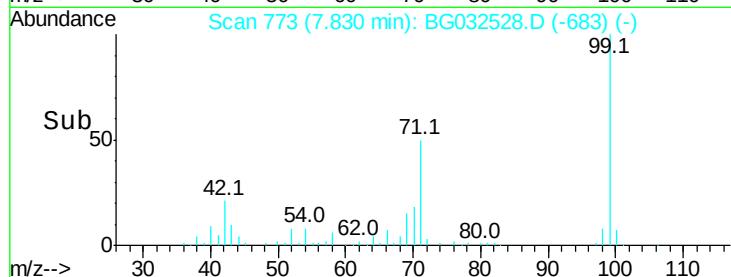
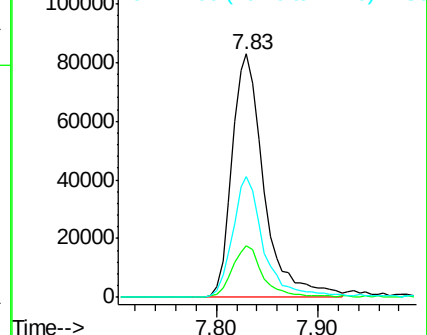
99 100

42 21.2 14.1 21.1#

71 49.5 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



#15

Benzyl Alcohol

Concen: 74.659 ng

RT: 8.95 min Scan# 964

Delta R.T. -0.00 min

Lab File: BG032528.D

Acq: 3 Feb 2018 1:56

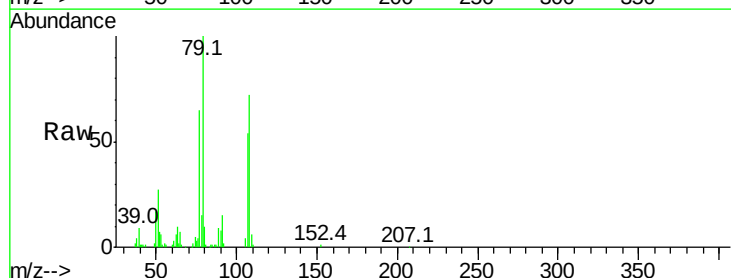
Tgt Ion: 79 Resp: 100240

Ion Ratio Lower Upper

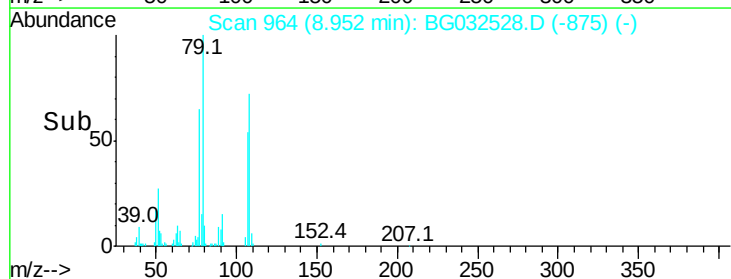
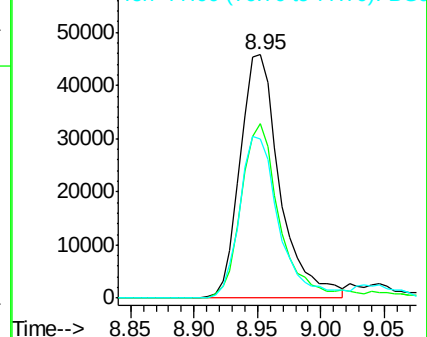
79 100

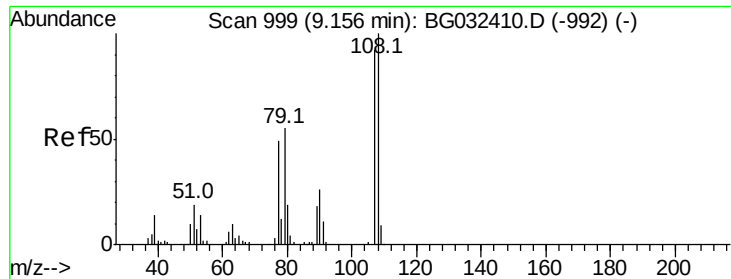
108 71.8 57.2 85.8

77 65.3 46.1 69.1



Abundance Ion 79.00 (78.70 to 79.70): BGC
Ion 108.00 (107.70 to 108.70): BGC
Ion 77.00 (76.70 to 77.70): BGC

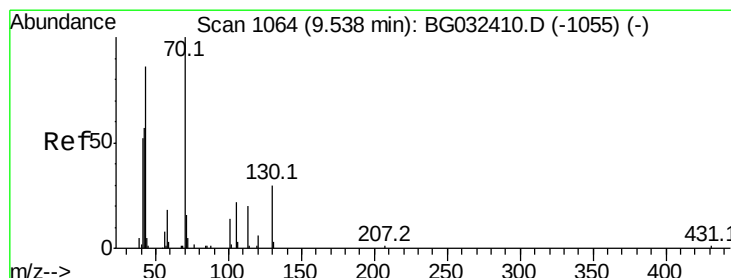
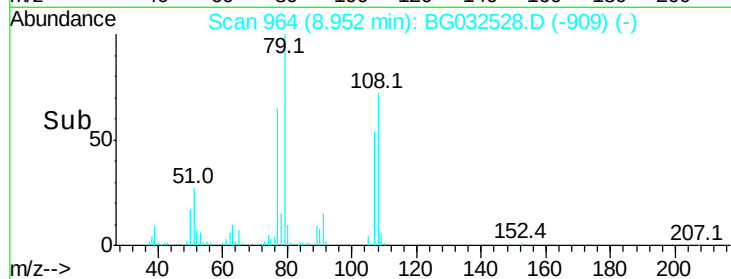
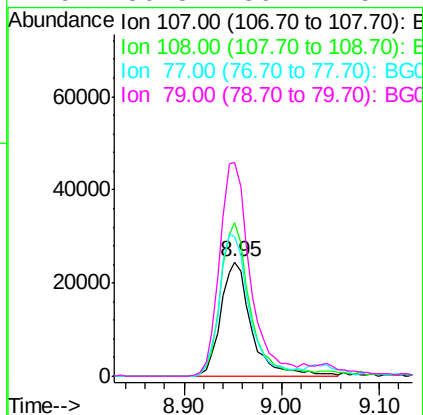
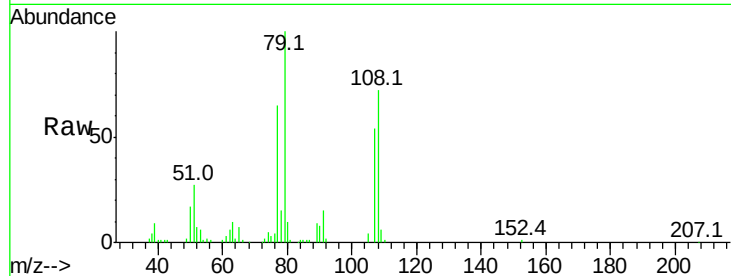




#17
2-Methylphenol
Concen: 42.594 ng
RT: 8.95 min Scan# 964
Delta R.T. -0.20 min
Lab File: BG032528.D
Acq: 3 Feb 2018 1:56

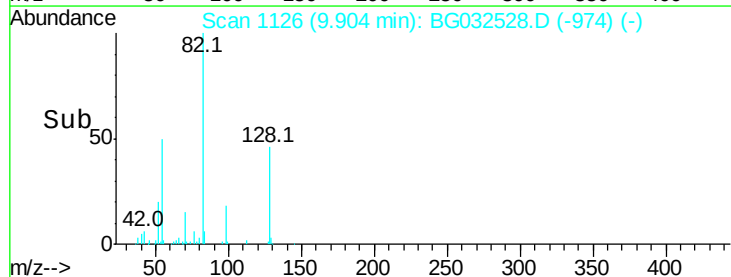
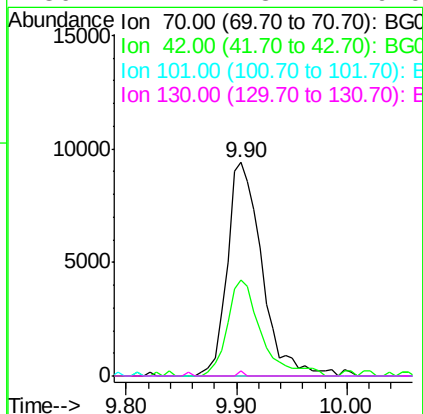
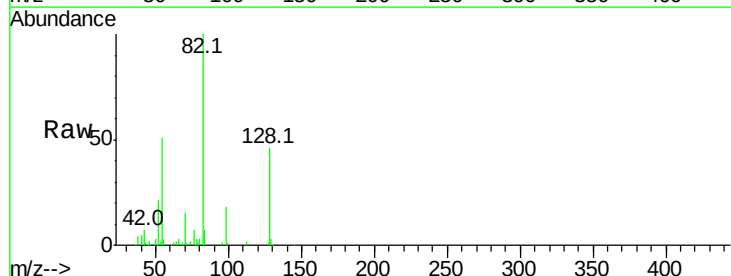
Instrument :
BNA_G
ClientSampleId :

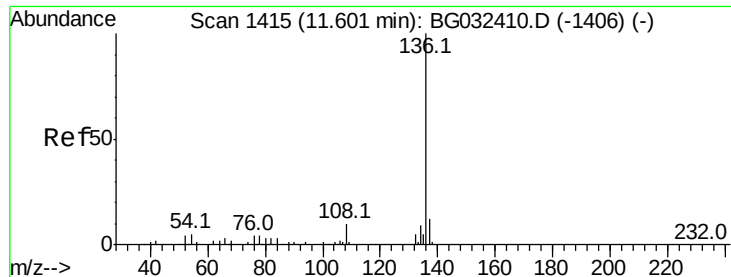
Tot Ion	Ratio	Lower	Upper
107	100		
108	134.0	83.9	125.9#
77	122.0	37.2	55.8#
79	186.8	36.2	54.2#



#19
n-Nitroso-di-n-propylamine
Concen: 19.128 ng
RT: 9.90 min Scan# 1126
Delta R.T. 0.37 min
Lab File: BG032528.D
Acq: 3 Feb 2018 1:56

Tgt Ion	Ratio	Lower	Upper
70	100		
42	45.1	49.1	73.7#
101	0.0	8.5	12.7#
130	2.7	13.4	20.0#

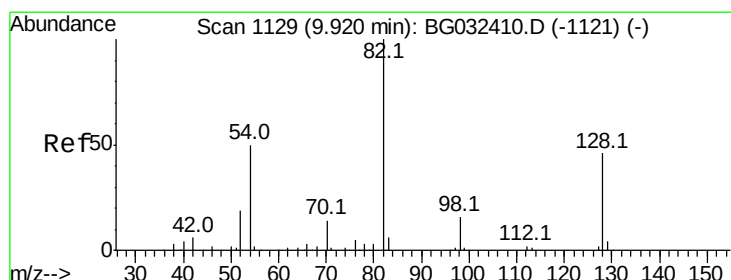
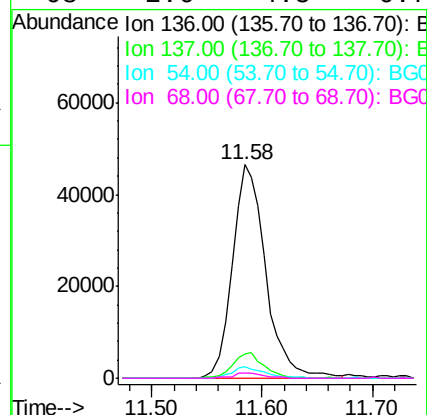
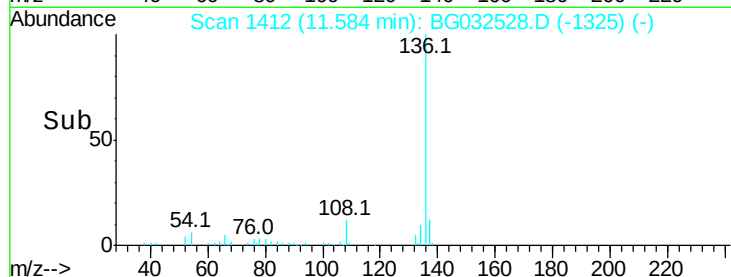
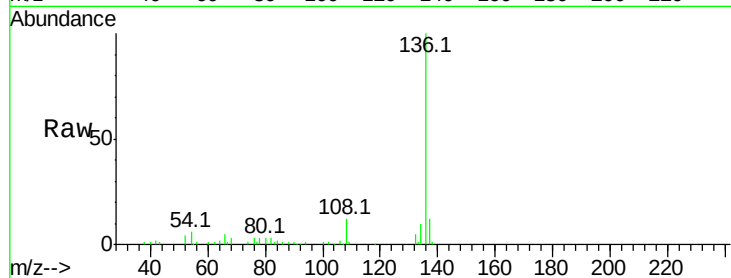




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.58 min Scan# 1412
Delta R.T. -0.02 min
Lab File: BG032528.D
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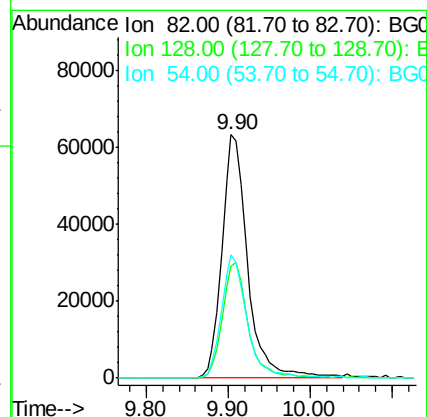
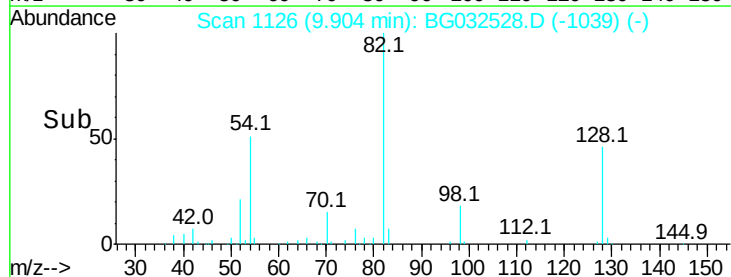
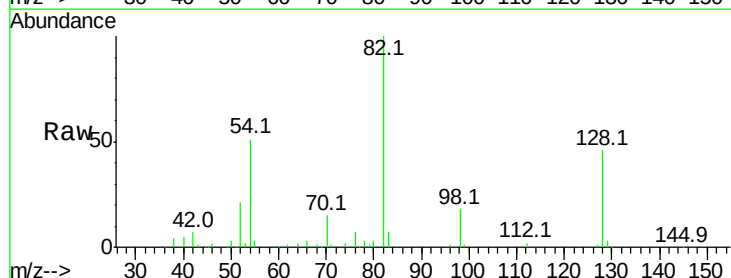
Instrument :
BNA_G
ClientSampleId :

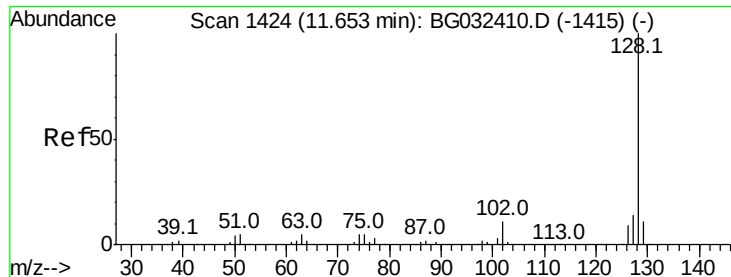
Tot Ion:136 Resp: 98298
Ion Ratio Lower Upper
136 100
137 11.7 9.2 13.8
54 5.5 10.3 15.5#
68 2.6 4.5 6.7#



#23
Nitrobenzene-d5
Concen: 88.002 ng
RT: 9.90 min Scan# 1126
Delta R.T. -0.02 min
Lab File: BG032528.D
Acq: 3 Feb 2018 1:56

Tgt Ion: 82 Resp: 138495
Ion Ratio Lower Upper
82 100
128 46.1 29.7 44.5#
54 50.6 43.1 64.7

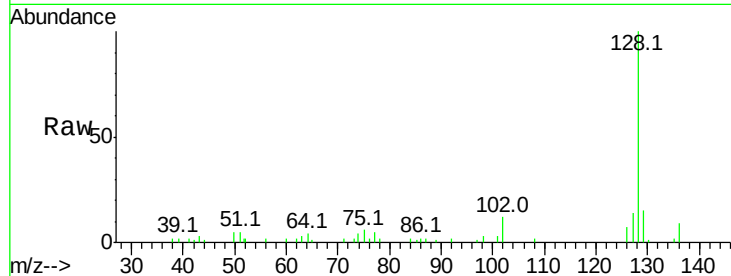




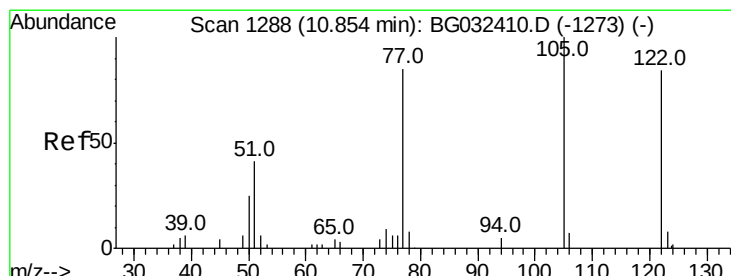
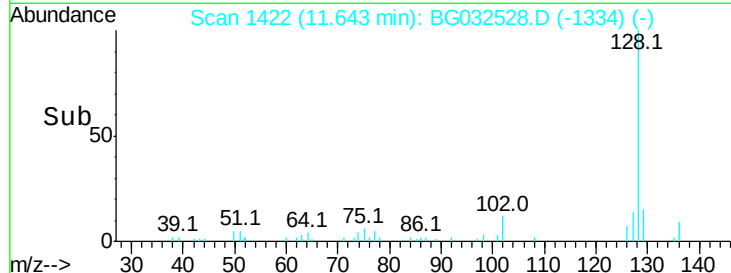
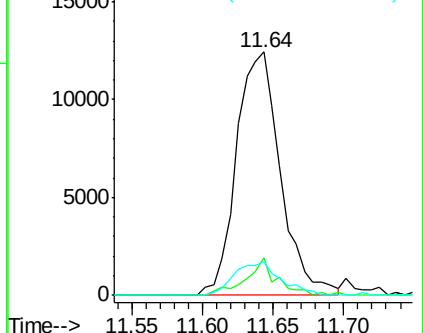
#31
Naphthalene
Concen: 5.667 ng
RT: 11.64 min Scan# 1422
Delta R.T. -0.01 min
Lab File: BG032528.D
Acq: 3 Feb 2018 1:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion:128 Resp: 27209
Ion Ratio Lower Upper
128 100
129 15.4 8.6 12.8#
127 14.1 11.6 17.4

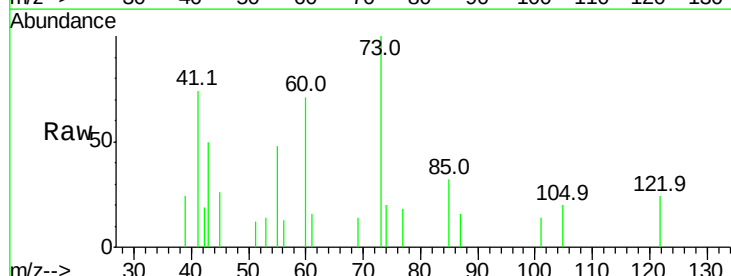


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

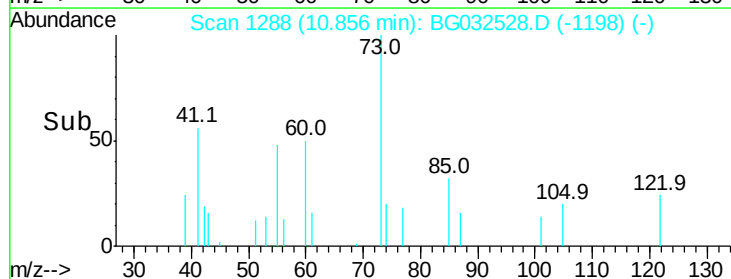
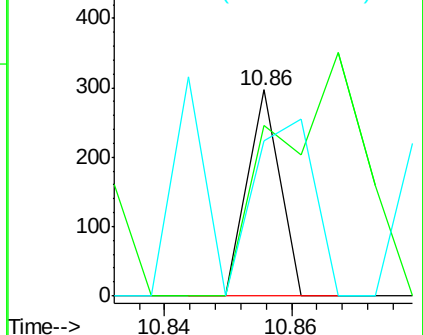


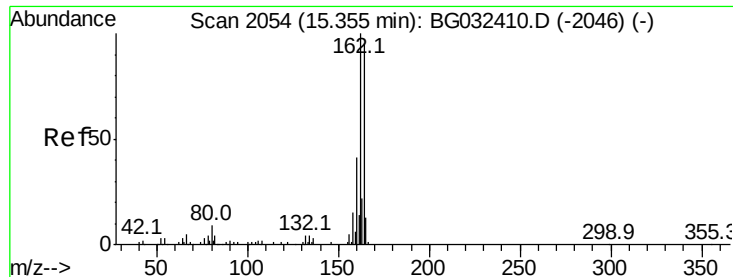
#32
Benzoic acid
Concen: 7.374 ng
RT: 10.86 min Scan# 1288
Delta R.T. 0.00 min
Lab File: BG032528.D
Acq: 3 Feb 2018 1:56

Tgt Ion:122 Resp: 105
Ion Ratio Lower Upper
122 100
105 82.5 123.5 163.5#
77 75.4 85.7 125.7#



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BG





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.02 min

Lab File: BG032528.D

Acq: 3 Feb 2018 1:56

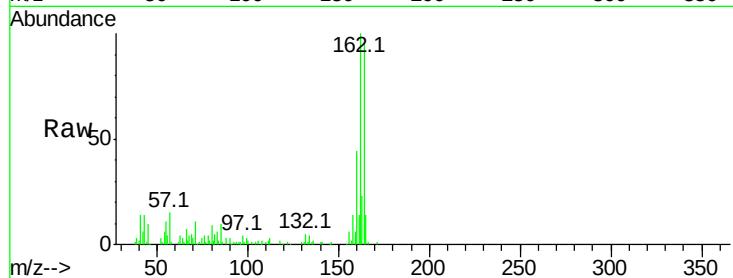
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 71805

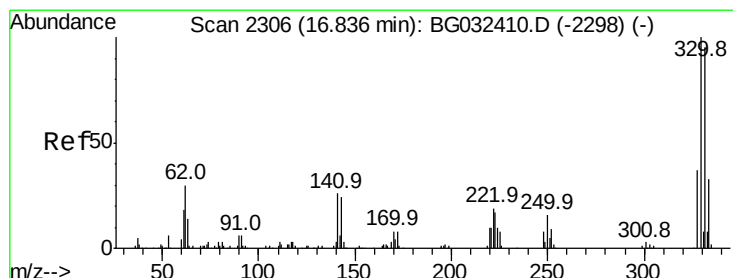
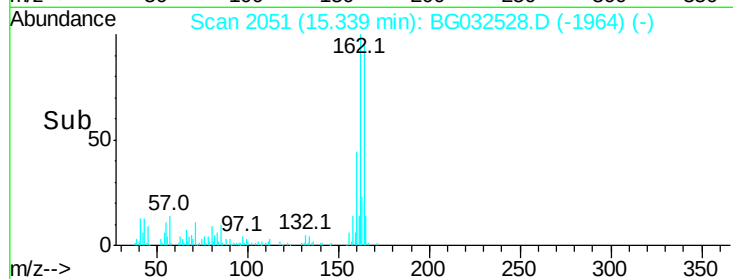
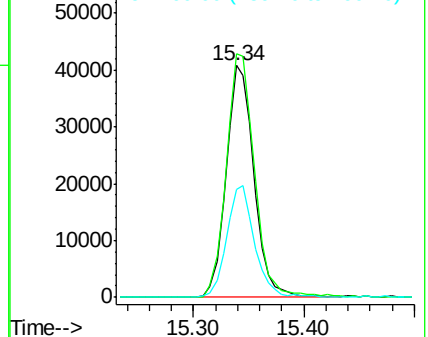
Ion	Ratio	Lower	Upper
164	100		
162	105.0	78.8	118.2
160	46.6	35.4	53.0



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: 123.433 ng

RT: 16.82 min Scan# 2303

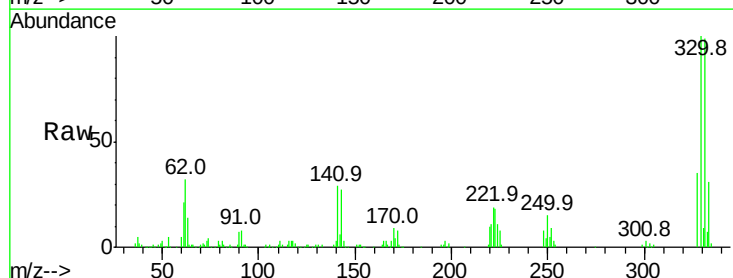
Delta R.T. -0.02 min

Lab File: BG032528.D

Acq: 3 Feb 2018 1:56

Tgt Ion:330 Resp: 168710

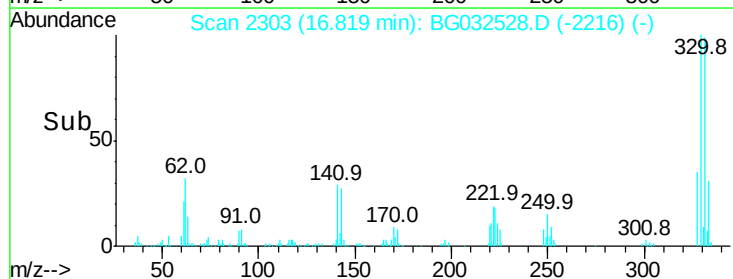
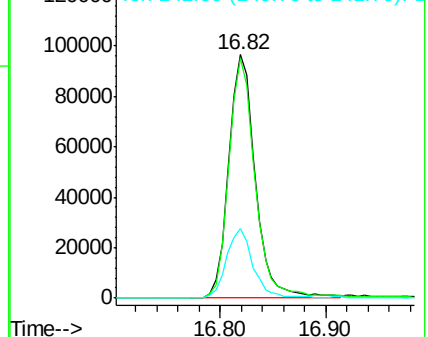
Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	28.3	25.2	37.8

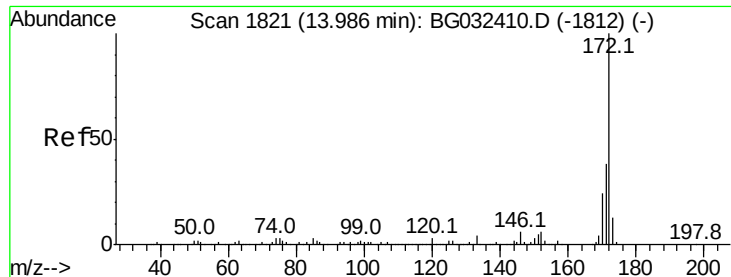


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

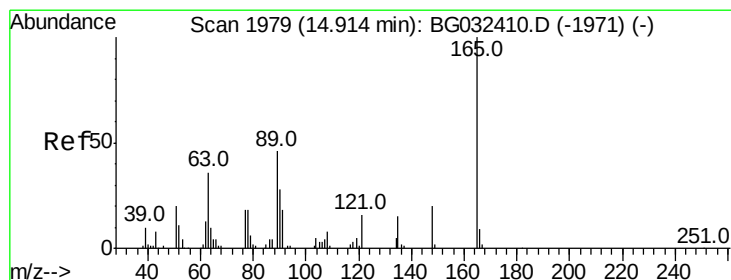
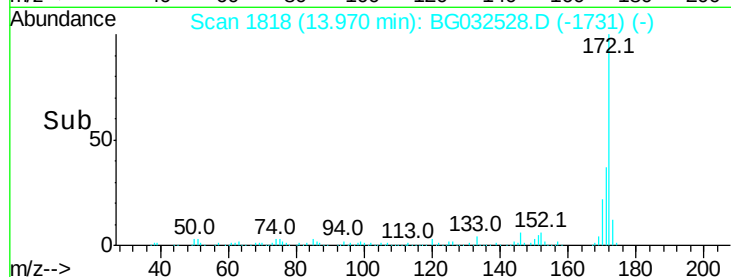
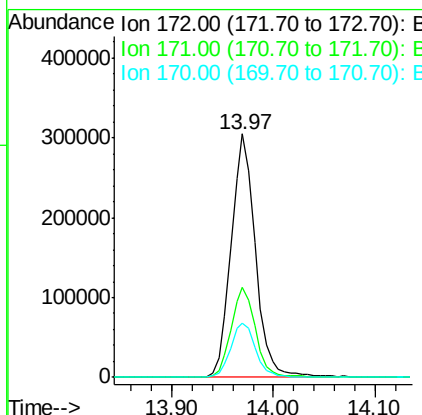
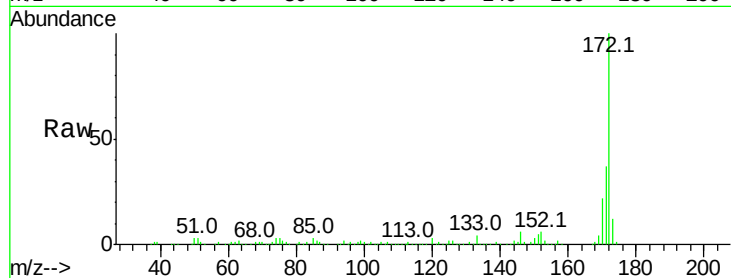




#44
2-Fluorobiphenyl
Concen: 83.933 ng
RT: 13.97 min Scan# 1818
Delta R.T. -0.02 min
Lab File: BG032528.D
Acq: 3 Feb 2018 1:56

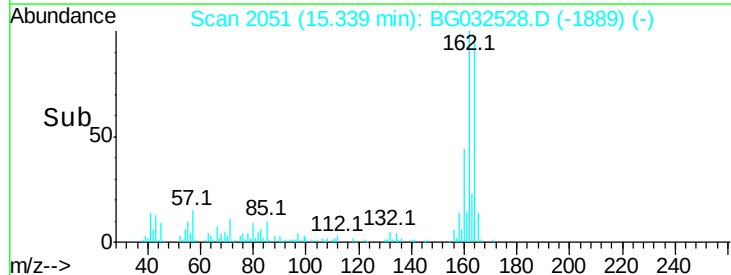
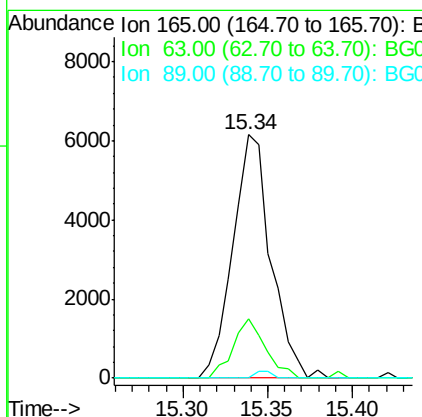
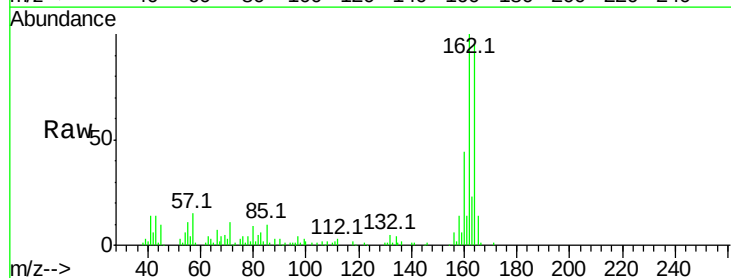
Instrument :
BNA_G
ClientSampleId :

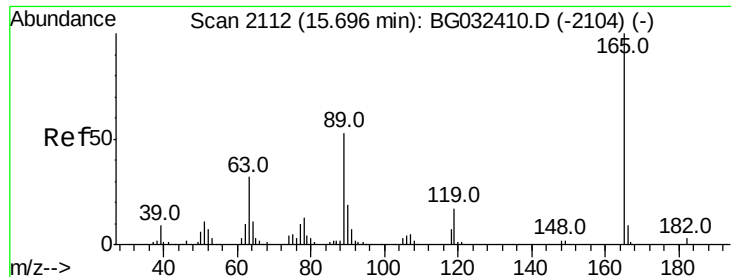
Tot Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.0	45.0
170	22.4	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 6.934 ng
RT: 15.34 min Scan# 2051
Delta R.T. 0.42 min
Lab File: BG032528.D
Acq: 3 Feb 2018 1:56

Tgt Ion	Ratio	Lower	Upper
165	100		
63	24.5	52.7	79.1#
89	0.0	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 4.870 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.36 min

Lab File: BG032528.D

Acq: 3 Feb 2018 1:56

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 9635

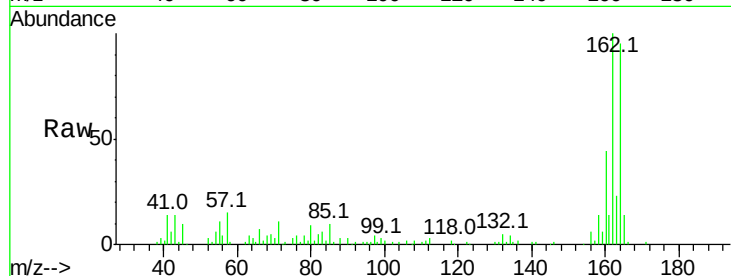
Ion Ratio Lower Upper

165 100

63 24.5 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

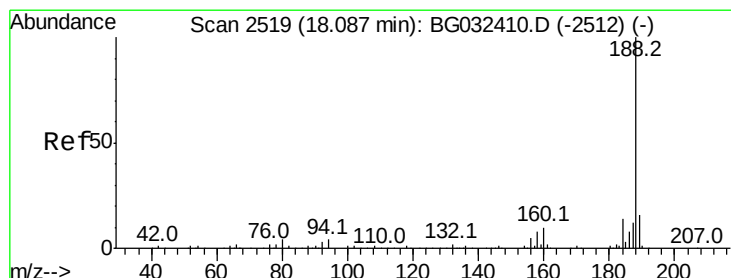
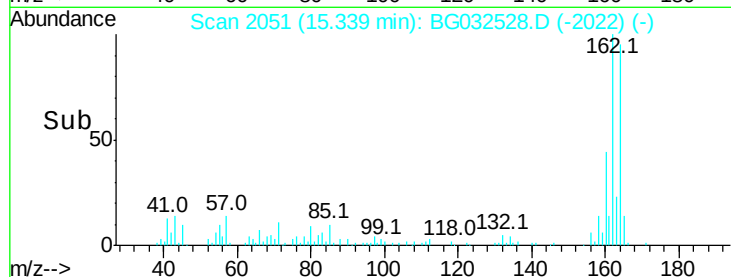
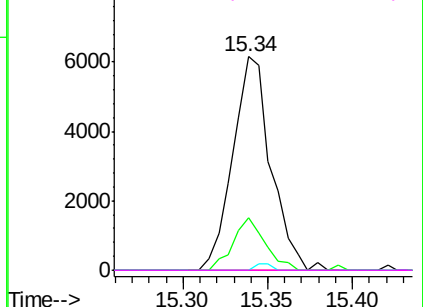


Abundance Ion 165.00 (164.70 to 165.70): E

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: BG032528.D

Acq: 3 Feb 2018 1:56

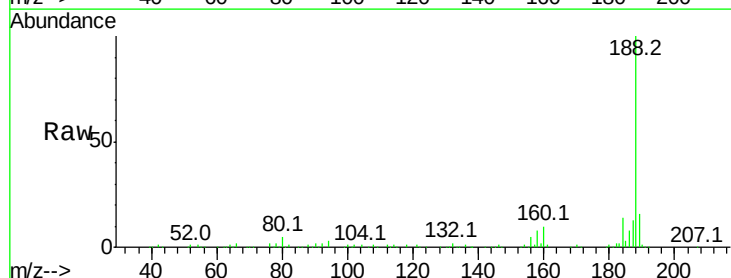
Tgt Ion:188 Resp: 195922

Ion Ratio Lower Upper

188 100

94 3.4 6.9 10.3#

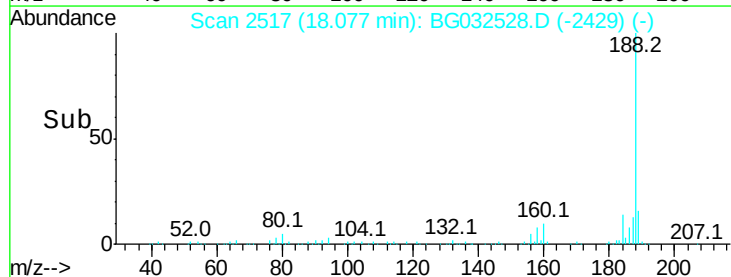
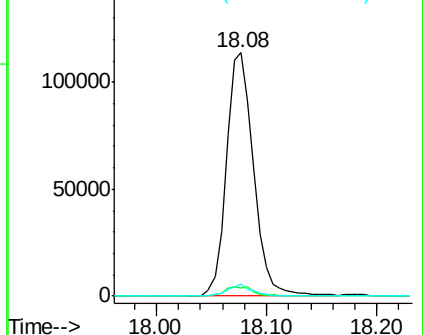
80 4.8 7.7 11.5#

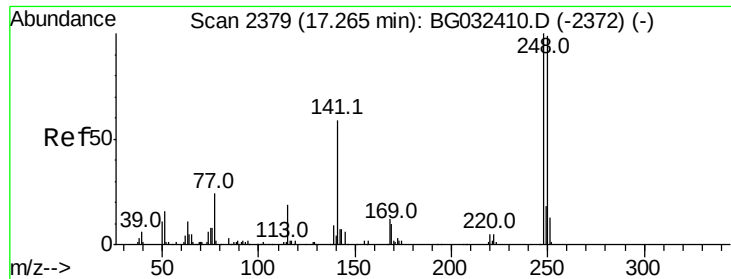


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

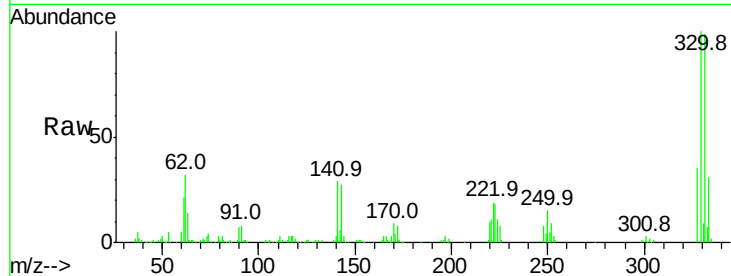




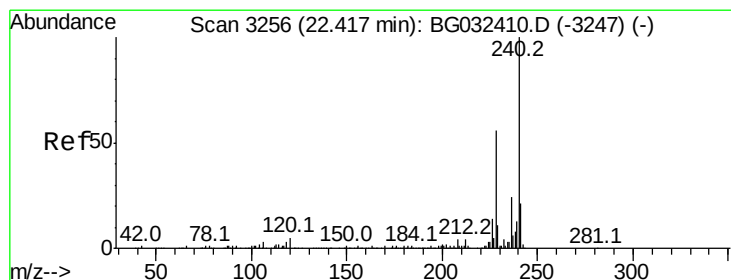
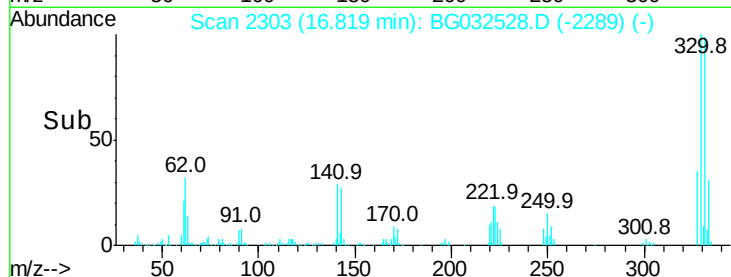
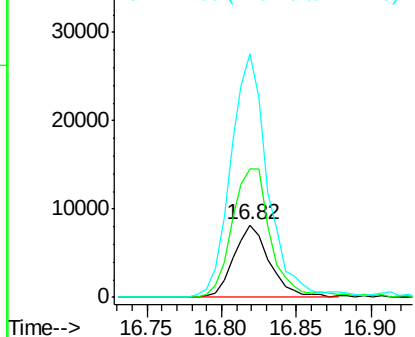
#66
 4-Bromophenyl-phenylether
 Concen: 4.710 ng
 RT: 16.82 min Scan# 2303
 Delta R.T. -0.45 min
 Lab File: BG032528.D
 Acq: 3 Feb 2018 1:56

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:248 Resp: 13670
 Ion Ratio Lower Upper
 248 100
 250 178.0 77.1 115.7#
 141 337.2 50.8 76.2#

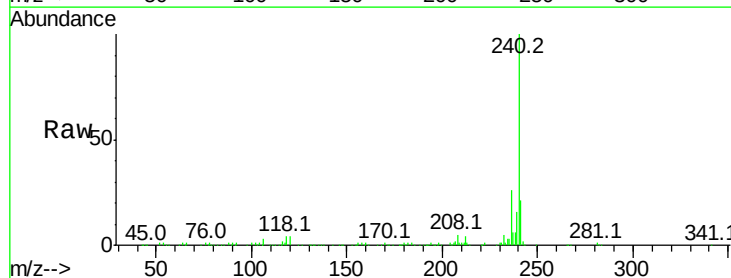


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

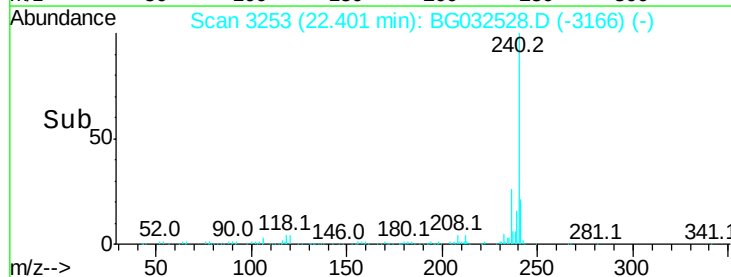
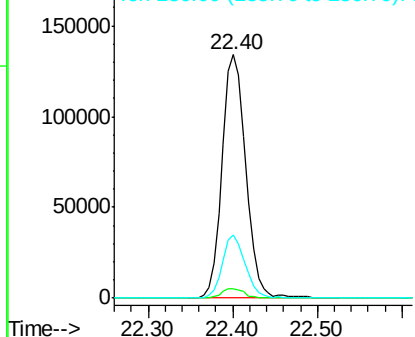


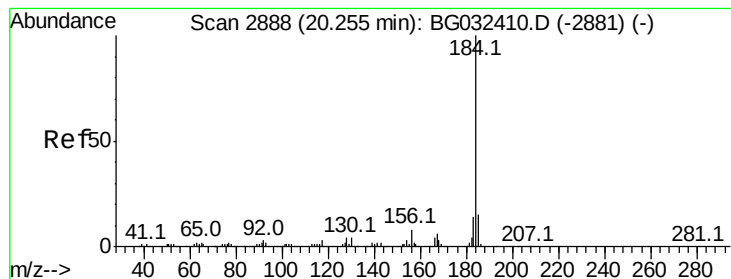
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 22.40 min Scan# 3253
 Delta R.T. -0.02 min
 Lab File: BG032528.D
 Acq: 3 Feb 2018 1:56

Tgt Ion:240 Resp: 260466
 Ion Ratio Lower Upper
 240 100
 120 3.9 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: 2.951 ng

RT: 20.61 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032528.D

Acq: 3 Feb 2018 1:56

Instrument :

BNA_G

ClientSampleId :

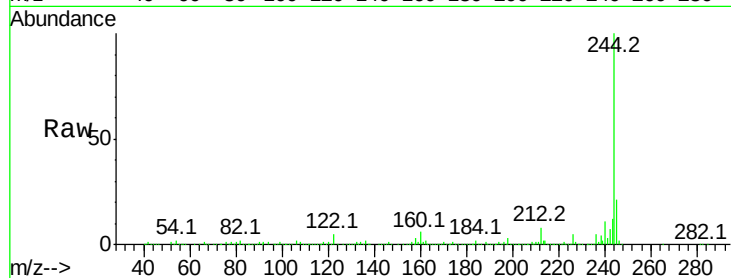
Tot Ion:184 Resp: 15091

Ion Ratio Lower Upper

184 100

185 16.1 11.1 16.7

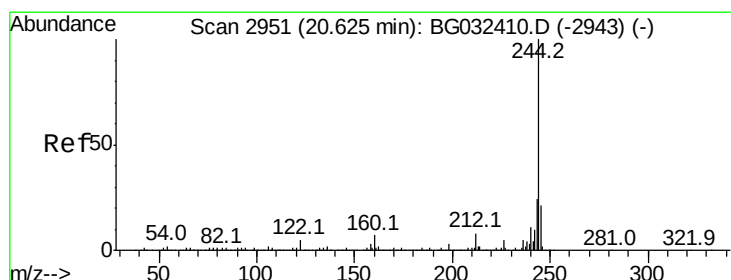
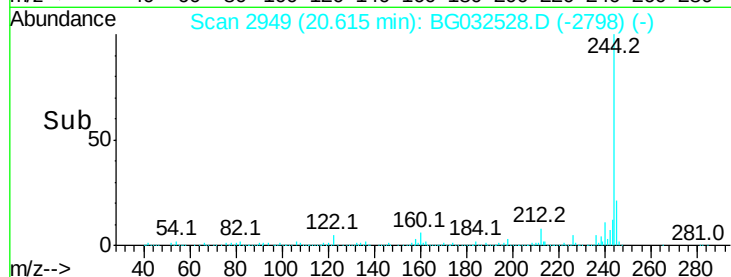
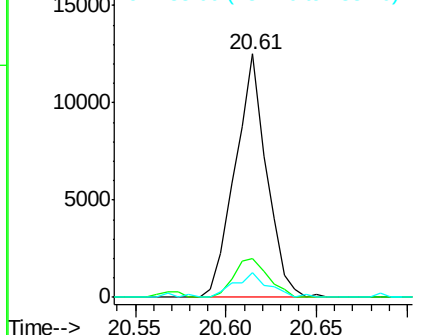
183 10.3 10.6 16.0#



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: 85.872 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032528.D

Acq: 3 Feb 2018 1:56

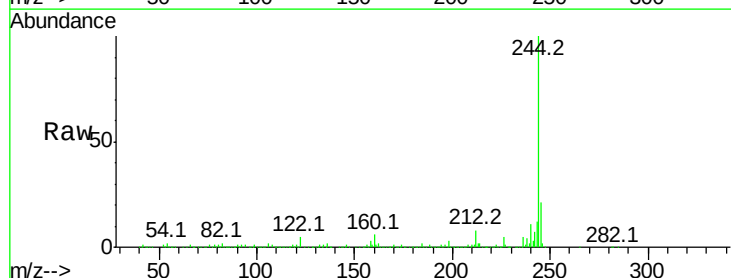
Tgt Ion:244 Resp: 1044161

Ion Ratio Lower Upper

244 100

212 7.8 5.8 8.8

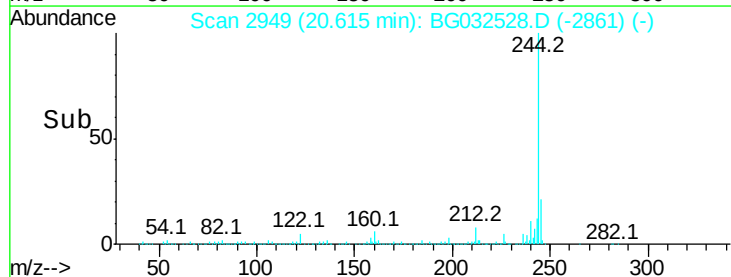
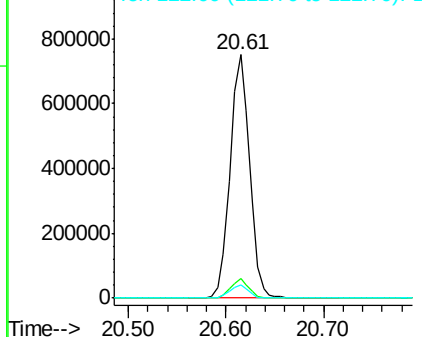
122 5.3 7.0 10.4#

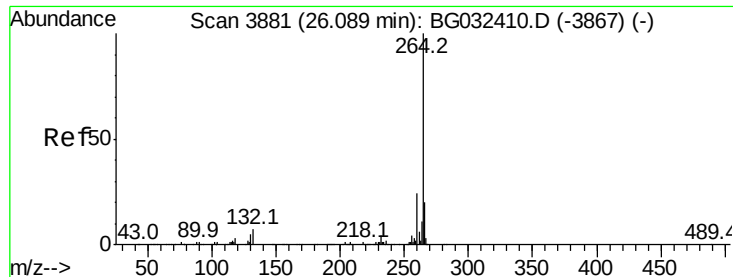


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

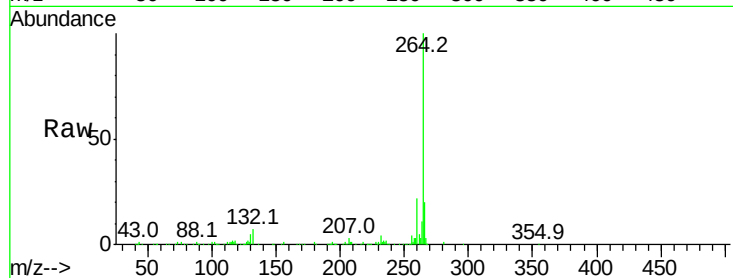




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.07 min Scan# 3878
Delta R.T. -0.02 min
Lab File: BG032528.D
Acq: 3 Feb 2018 1:56

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.7	17.4	26.0
265	20.4	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

