

Data Path : U:\HPCHEM1\BNA G\DATA\BG020218\
 Data File : BG032520.D
 Acq On : 2 Feb 2018 20:09
 Operator : SJ/JU
 Sample : PB106274BL
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 02 21:54:16 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

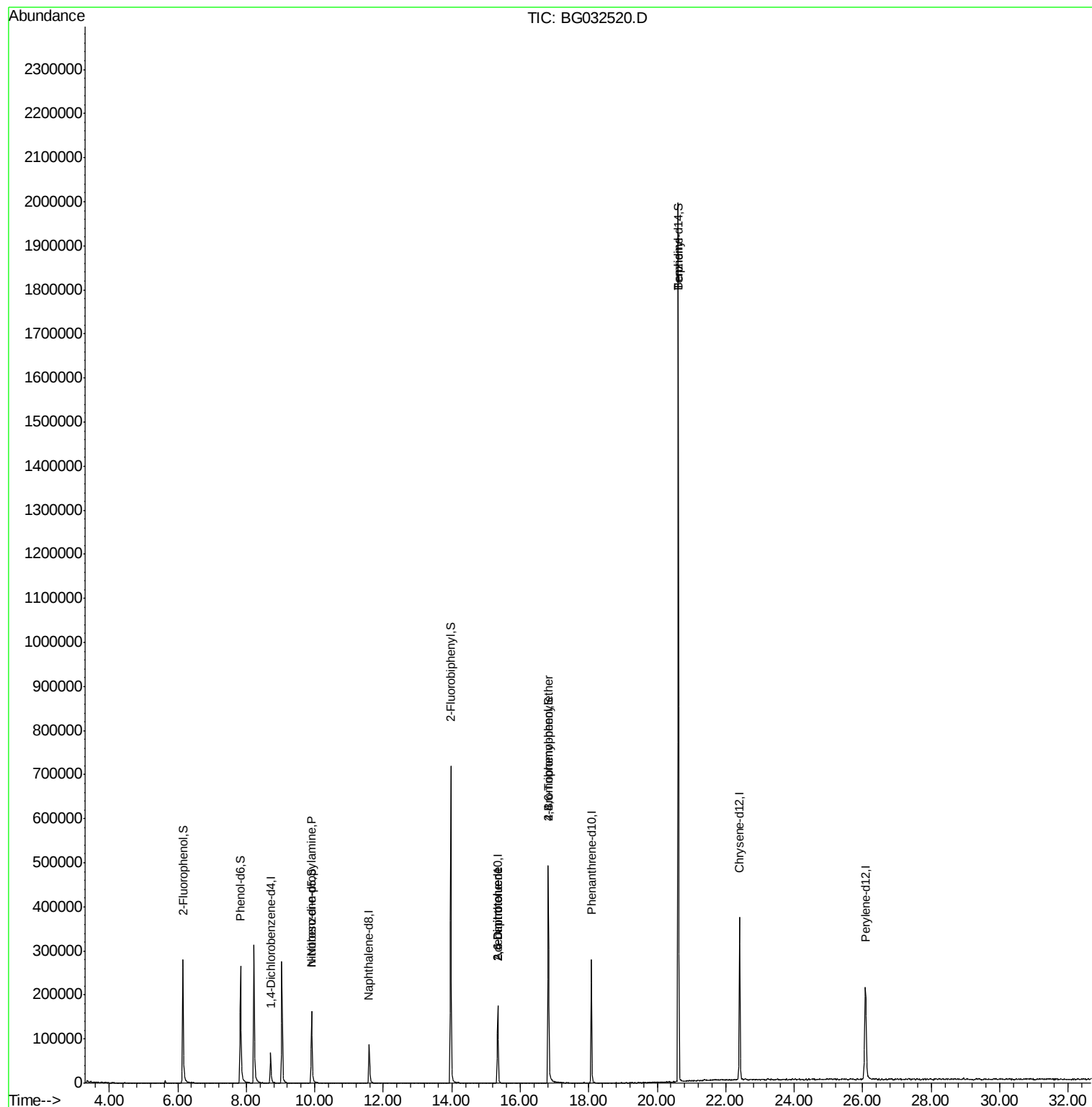
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	24963	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	101064	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	73387	20.00	ng	-0.01
63) Phenanthrene-d10	18.08	188	207293	20.00	ng	-0.01
75) Chrysene-d12	22.41	240	294232	20.00	ng	-0.01
86) Perylene-d12	26.08	264	312049	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	158059	127.18	ng	0.00
7) Phenol-d6	7.83	99	193909	116.92	ng	0.00
23) Nitrobenzene-d5	9.91	82	121035	74.80	ng	-0.01
41) 2,4,6-Tribromophenol	16.82	330	133233	95.38	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	453166	73.39	ng	-0.02
78) Terphenyl-d14	20.61	244	1048985	76.37	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.91	70	17232	15.671	ng	# 72
50) 2,6-Dinitrotoluene	15.34	165	9301	6.549	ng	# 25
56) 2,4-Dinitrotoluene	15.34	165	9300	4.599	ng	# 23
66) 4-Bromophenyl-phenylether	16.82	248	11033	3.593	ng	# 1
76) Benzidine	20.61	184	15072	2.609	ng	# 95

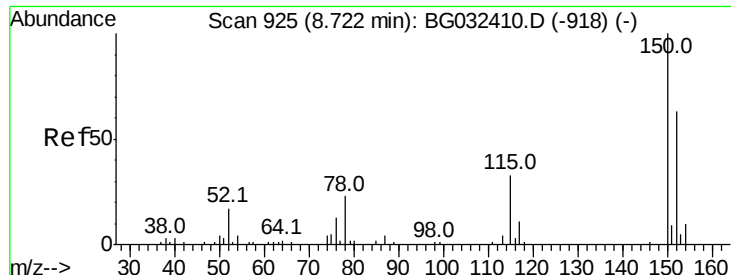
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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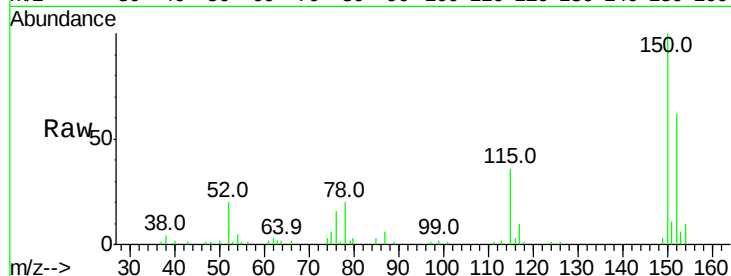


#1

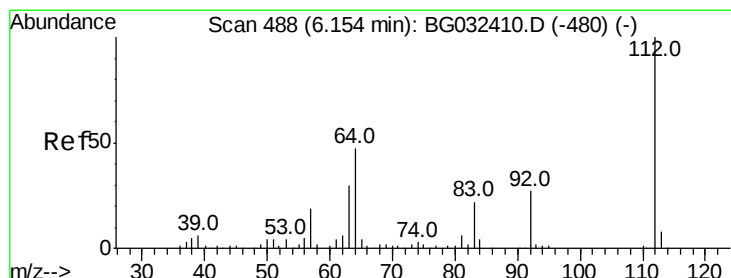
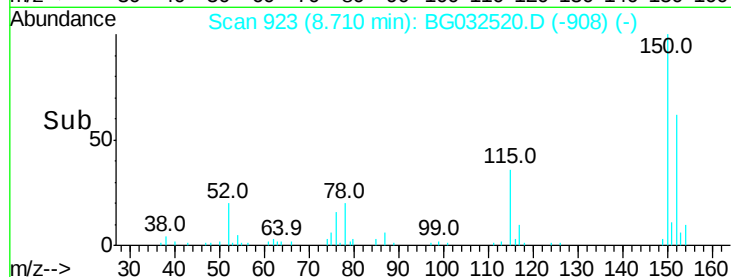
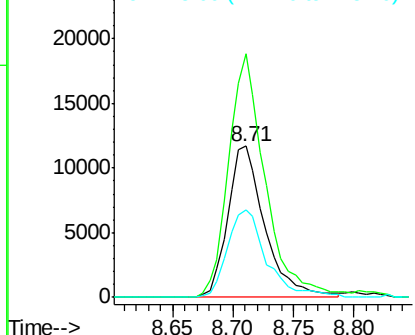
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032520.D
Acq: 2 Feb 2018 20:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 24963
Ion Ratio Lower Upper
152 100
150 161.1 126.6 189.8
115 57.8 53.0 79.4



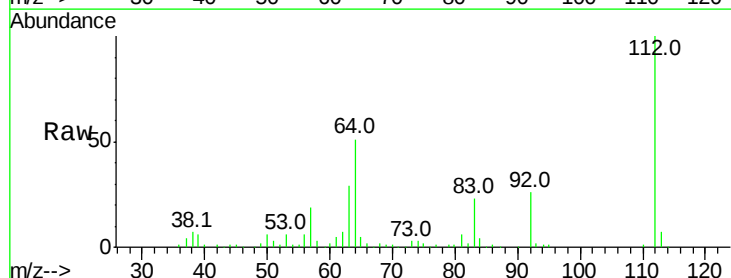
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



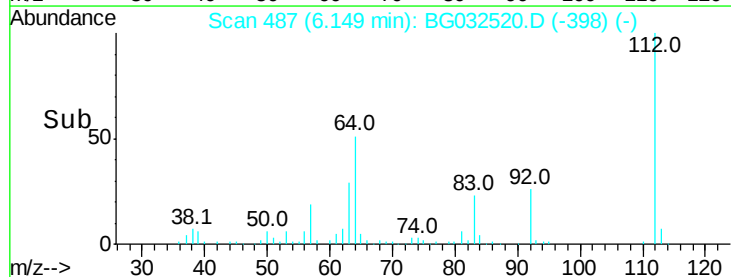
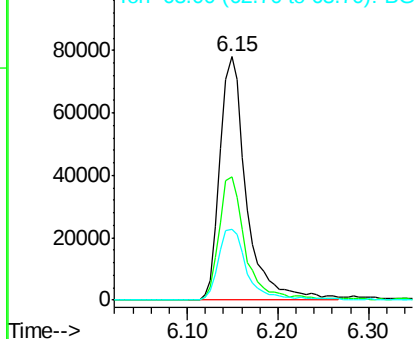
#5

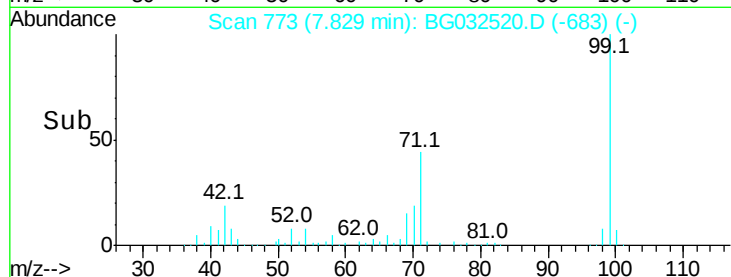
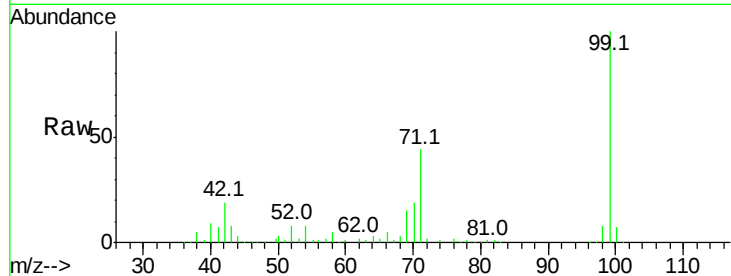
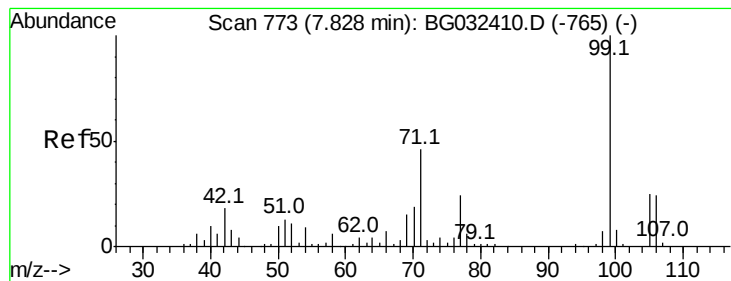
2-Fluorophenol
Concen: 127.176 ng
RT: 6.15 min Scan# 487
Delta R.T. -0.01 min
Lab File: BG032520.D
Acq: 2 Feb 2018 20:09

Tgt Ion:112 Resp: 158059
Ion Ratio Lower Upper
112 100
64 50.9 56.3 84.5#
63 29.3 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: 116.921 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032520.D

Acq: 2 Feb 2018 20:09

Instrument :

BNA_G

ClientSampleId :

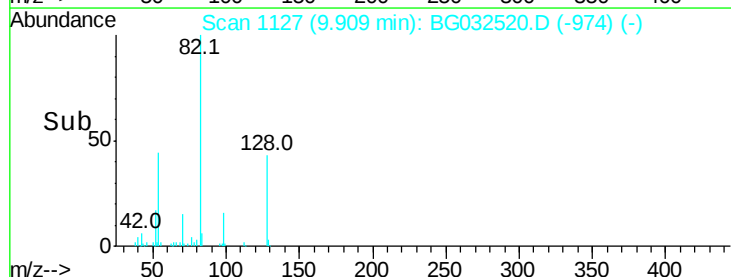
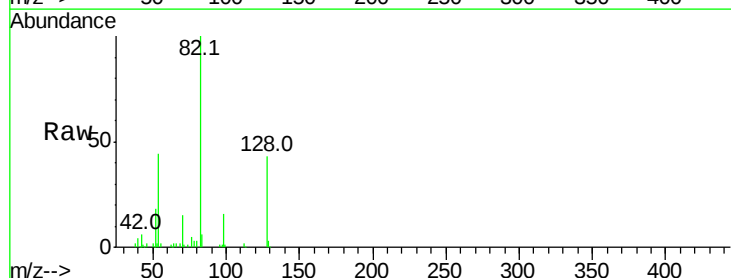
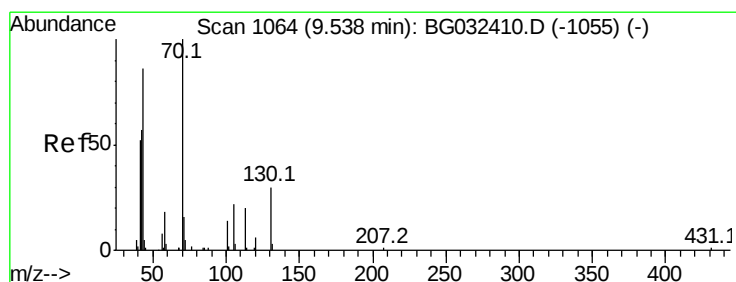
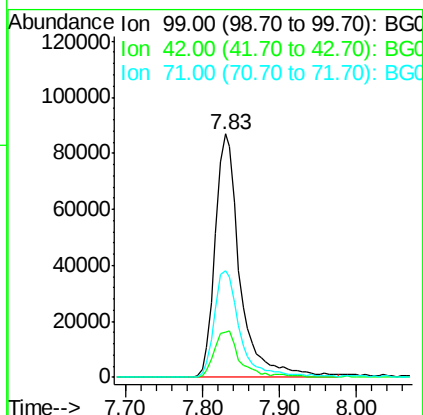
Tot Ion: 99 Resp: 193909

Ion Ratio Lower Upper

99 100

42 18.5 14.1 21.1

71 43.6 26.1 39.1#



#19

n-Nitroso-di-n-propylamine

Concen: 15.671 ng

RT: 9.91 min Scan# 1127

Delta R.T. 0.37 min

Lab File: BG032520.D

Acq: 2 Feb 2018 20:09

Tgt Ion: 70 Resp: 17232

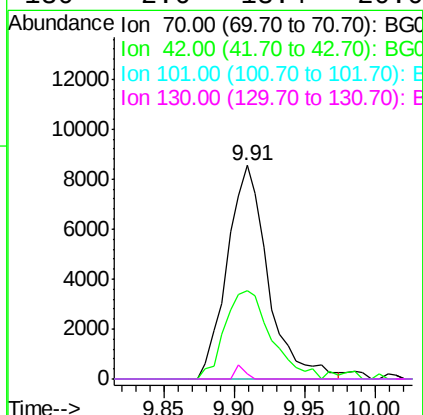
Ion Ratio Lower Upper

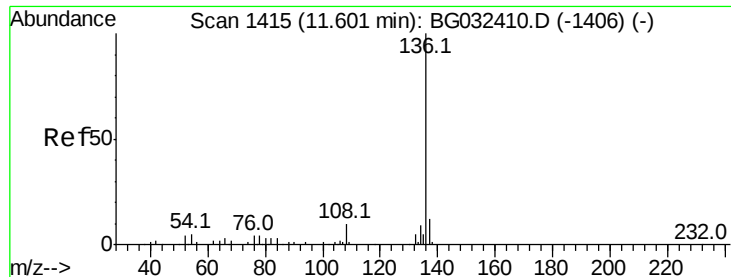
70 100

42 41.4 49.1 73.7#

101 0.0 8.5 12.7#

130 2.6 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: BG032520.D

Acq: 2 Feb 2018 20:09

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 101064

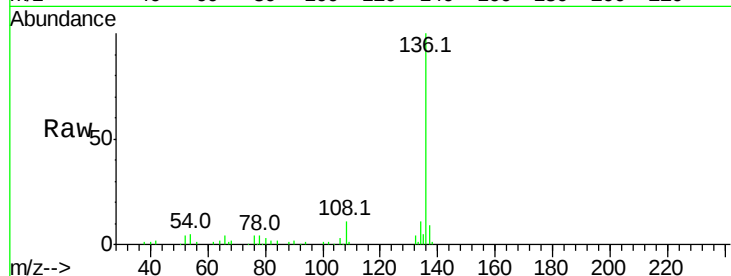
Ion Ratio Lower Upper

136 100

137 9.4 9.2 13.8

54 5.2 10.3 15.5#

68 2.5 4.5 6.7#

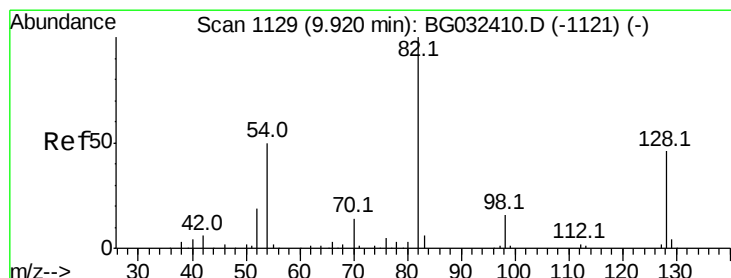
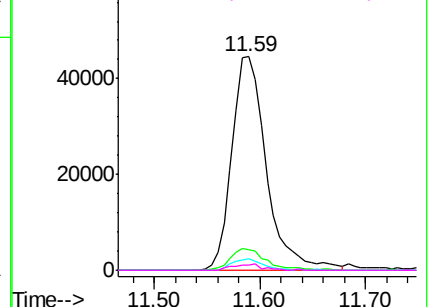
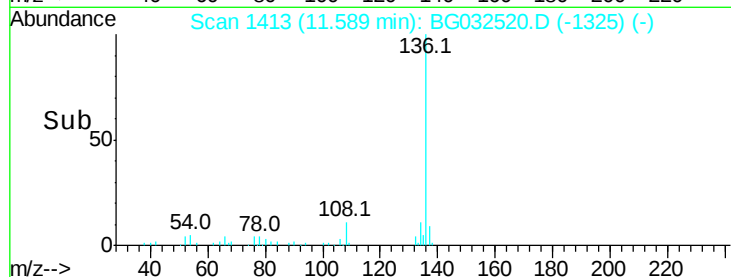


Abundance Ion 136.00 (135.70 to 136.70): E

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: 74.803 ng

RT: 9.91 min Scan# 1127

Delta R.T. -0.01 min

Lab File: BG032520.D

Acq: 2 Feb 2018 20:09

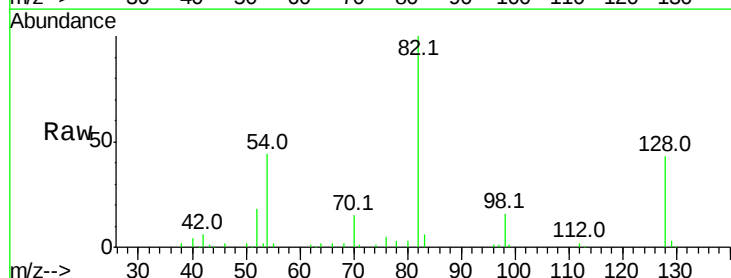
Tgt Ion: 82 Resp: 121035

Ion Ratio Lower Upper

82 100

128 43.2 29.7 44.5

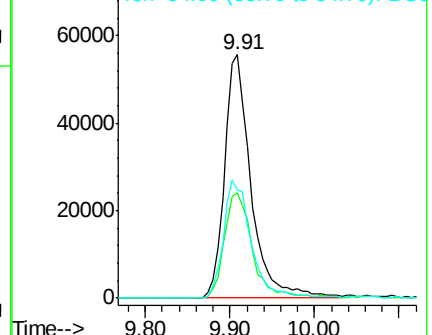
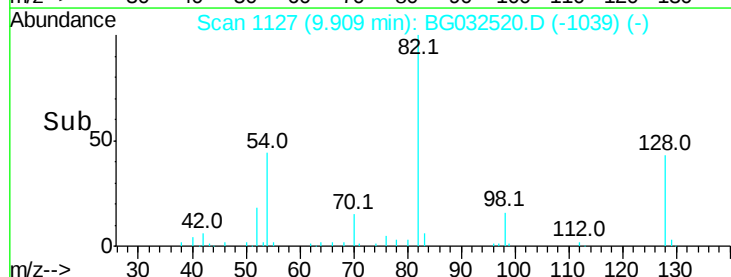
54 44.1 43.1 64.7

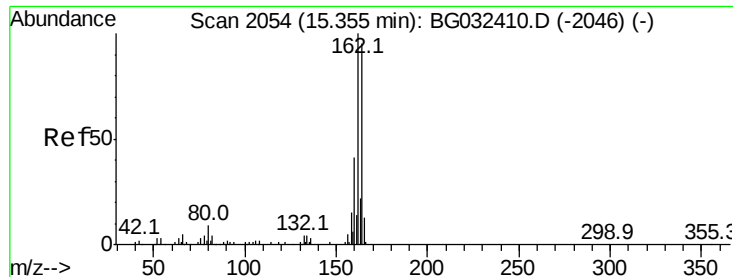


Abundance Ion 82.00 (81.70 to 82.70): BGC

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: 15.34 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032520.D

Acq: 2 Feb 2018 20:09

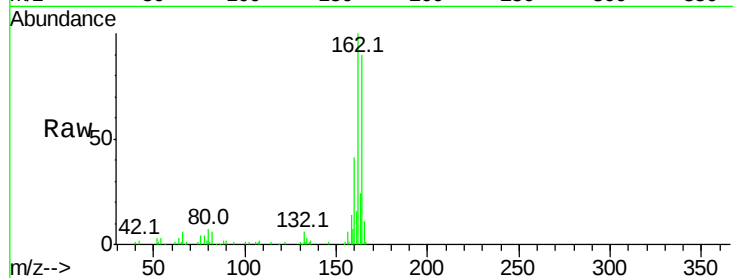
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 73387

Ion	Ratio	Lower	Upper
164	100		
162	111.4	78.8	118.2
160	45.5	35.4	53.0

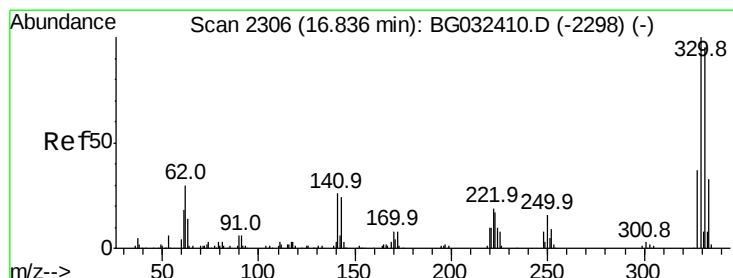
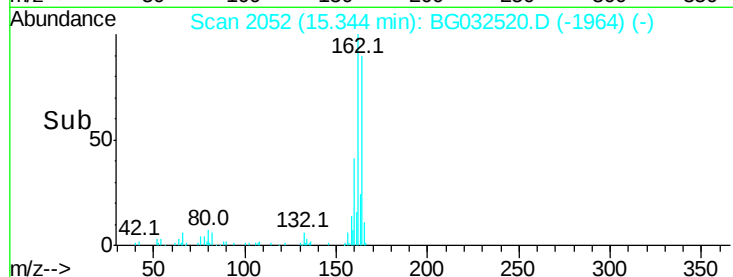
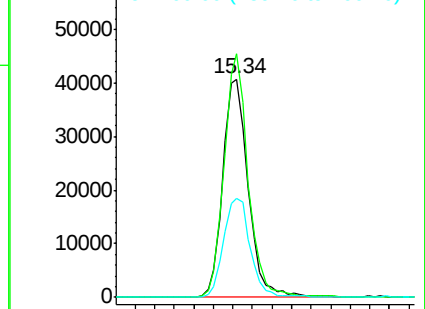


Abundance

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: 95.376 ng

RT: 16.82 min Scan# 2304

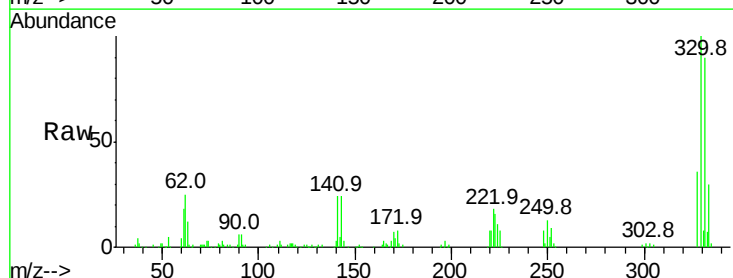
Delta R.T. -0.01 min

Lab File: BG032520.D

Acq: 2 Feb 2018 20:09

Tgt Ion:330 Resp: 133233

Ion	Ratio	Lower	Upper
330	100		
332	97.3	77.0	115.6
141	27.0	25.2	37.8

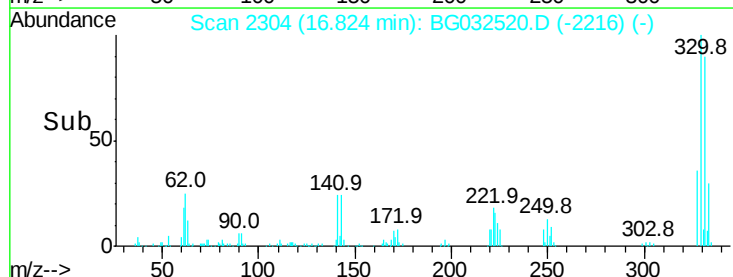
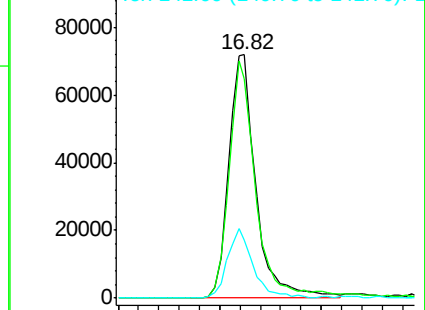


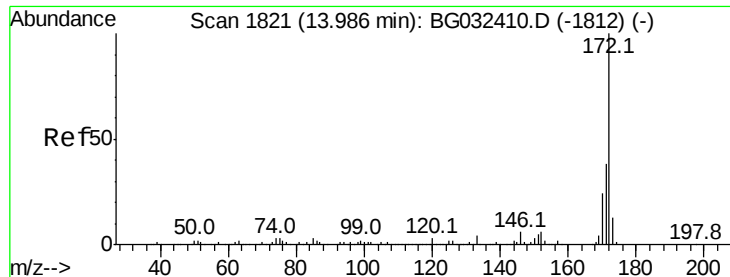
Abundance

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

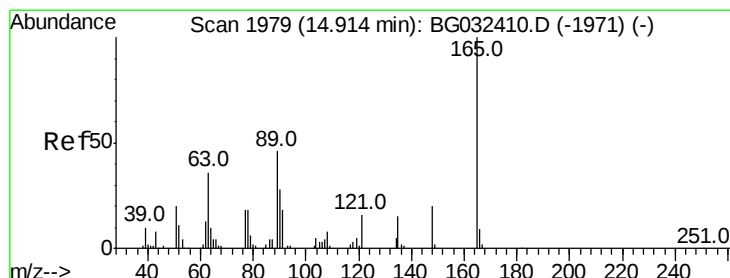
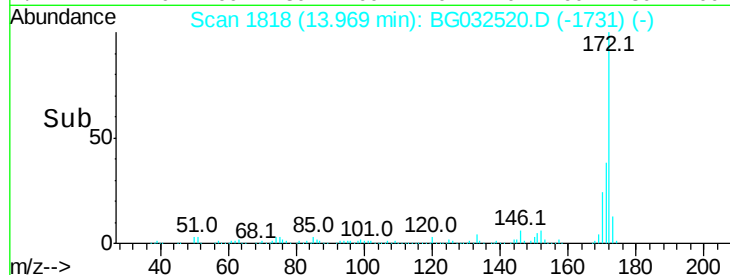
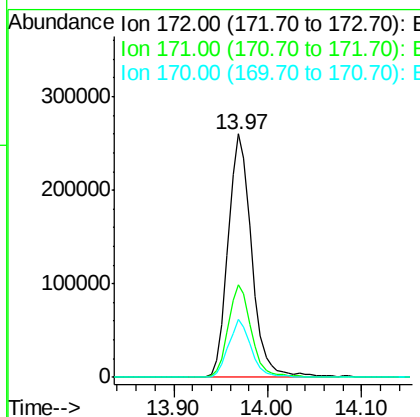
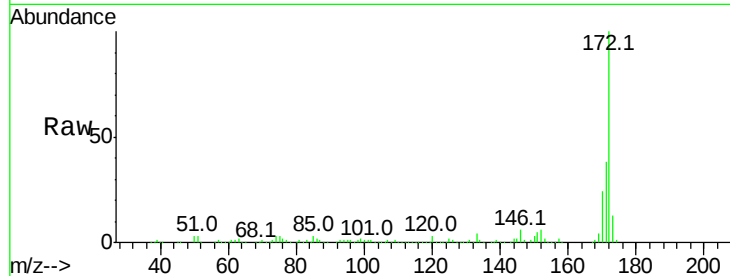




#44
 2-Fluorobiphenyl
 Concen: 73.394 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032520.D
 Acq: 2 Feb 2018 20:09

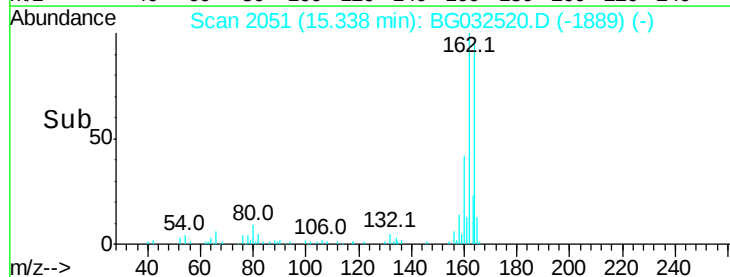
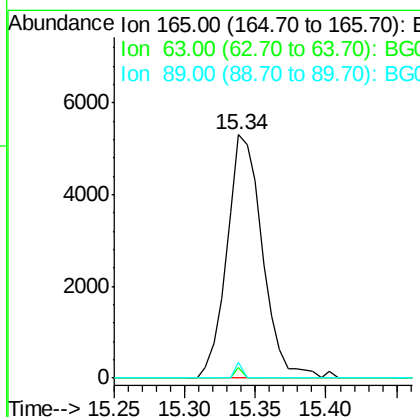
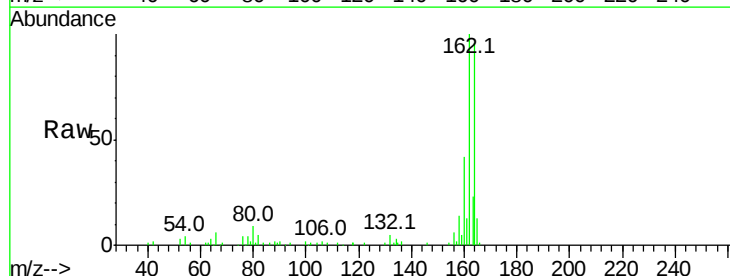
Instrument :
 BNA_G
 ClientSampleId :

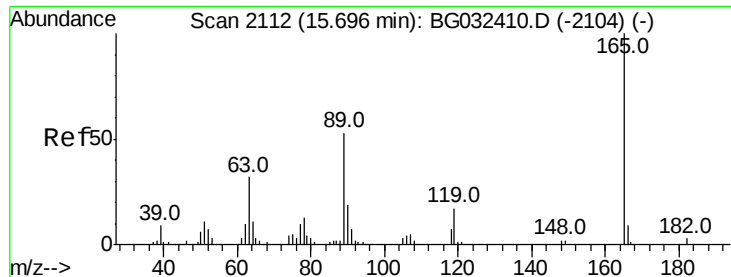
Tot Ion:172 Resp: 453166
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 23.6 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.549 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. 0.42 min
 Lab File: BG032520.D
 Acq: 2 Feb 2018 20:09

Tgt Ion:165 Resp: 9301
 Ion Ratio Lower Upper
 165 100
 63 4.1 52.7 79.1#
 89 6.5 49.2 73.8#

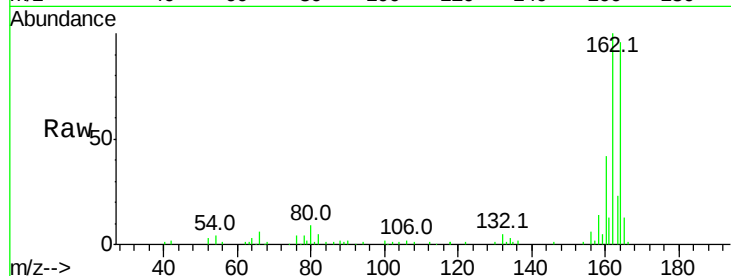




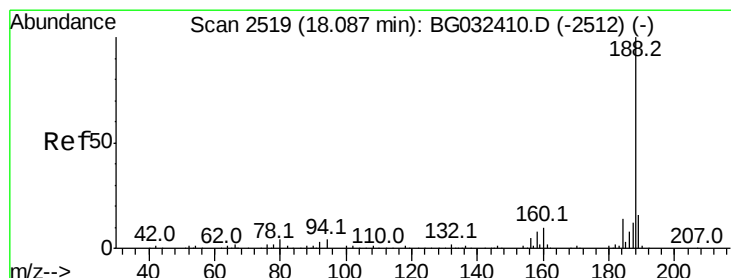
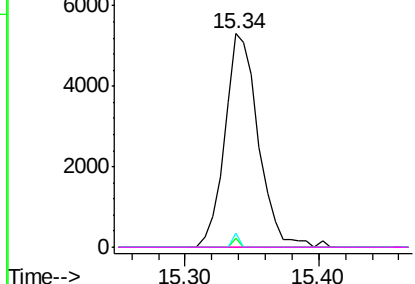
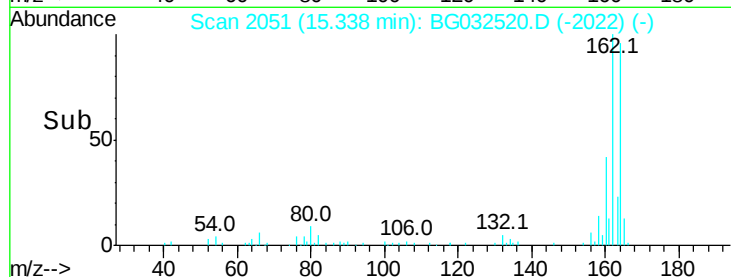
#56
 2,4-Dinitrotoluene
 Concen: 4.599 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. -0.36 min
 Lab File: BG032520.D
 Acq: 2 Feb 2018 20:09

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 9300
 Ion Ratio Lower Upper
 165 100
 63 4.1 42.0 63.0#
 89 6.5 66.9 100.3#
 182 0.0 2.6 3.8#

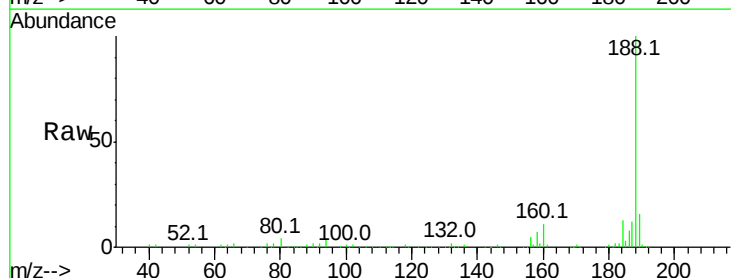


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

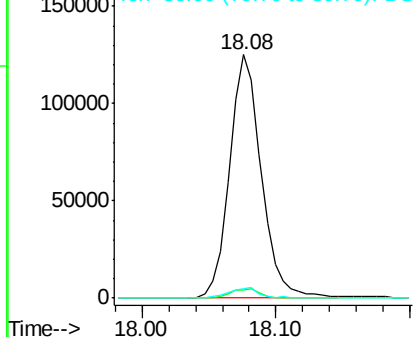
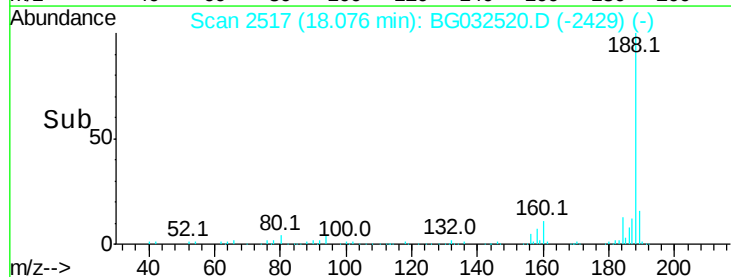


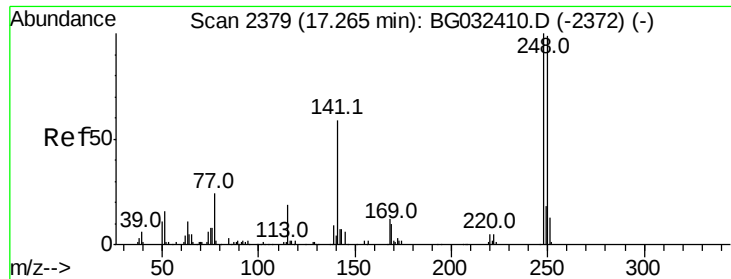
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.08 min Scan# 2517
 Delta R.T. -0.01 min
 Lab File: BG032520.D
 Acq: 2 Feb 2018 20:09

Tgt Ion:188 Resp: 207293
 Ion Ratio Lower Upper
 188 100
 94 3.5 6.9 10.3#
 80 3.8 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

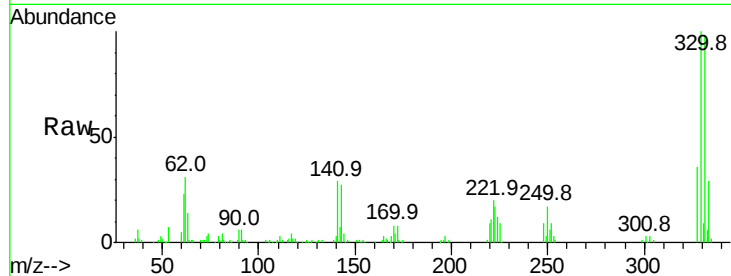




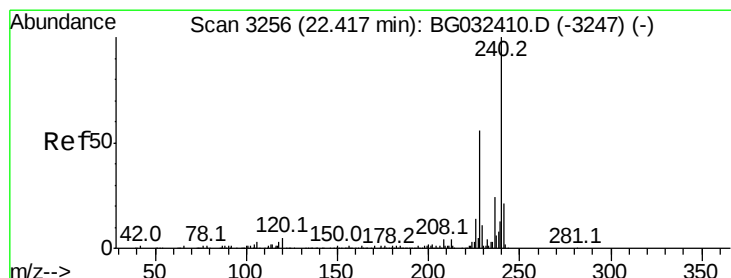
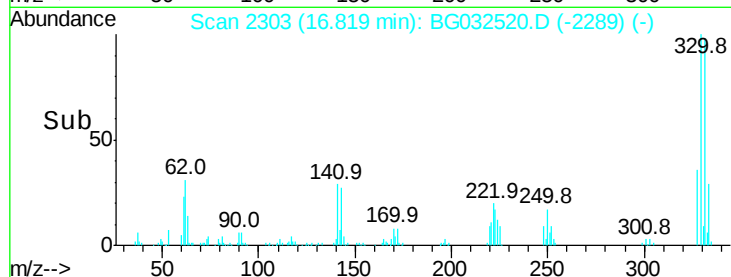
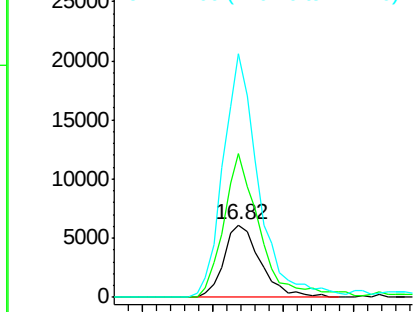
#66
4-Bromophenyl-phenylether
Concen: 3.593 ng
RT: 16.82 min Scan# 2303
Delta R.T. -0.45 min
Lab File: BG032520.D
Acq: 2 Feb 2018 20:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 11033
Ion Ratio Lower Upper
248 100
250 197.3 77.1 115.7#
141 335.1 50.8 76.2#

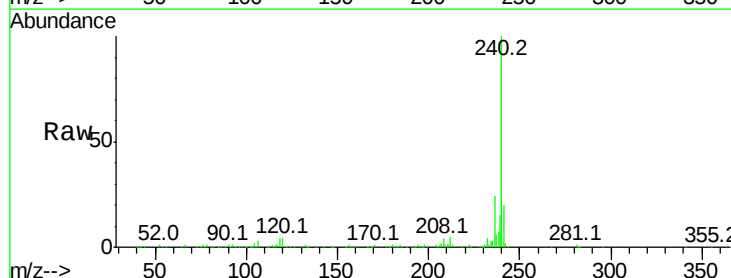


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

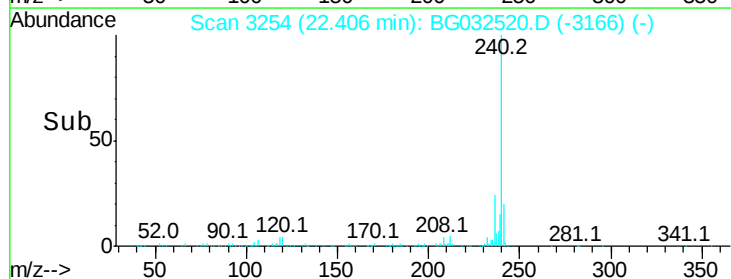
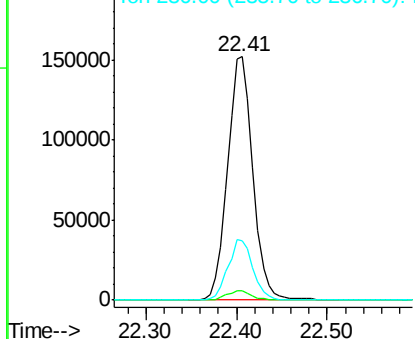


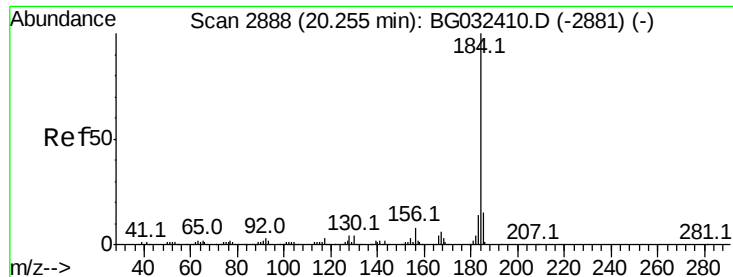
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.41 min Scan# 3254
Delta R.T. -0.01 min
Lab File: BG032520.D
Acq: 2 Feb 2018 20:09

Tgt Ion:240 Resp: 294232
Ion Ratio Lower Upper
240 100
120 3.9 6.8 10.2#
236 24.3 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: 2.609 ng

RT: 20.61 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032520.D

Acq: 2 Feb 2018 20:09

Instrument :

BNA_G

ClientSampleId :

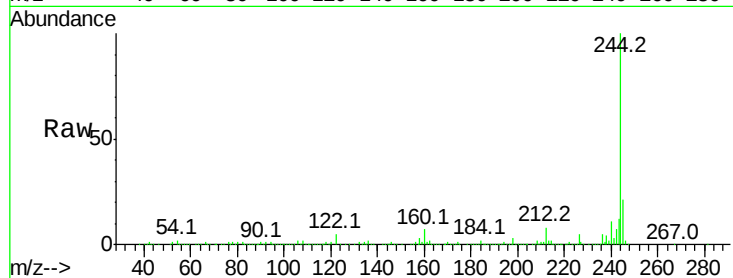
Tot Ion:184 Resp: 15072

Ion Ratio Lower Upper

184 100

185 13.6 11.1 16.7

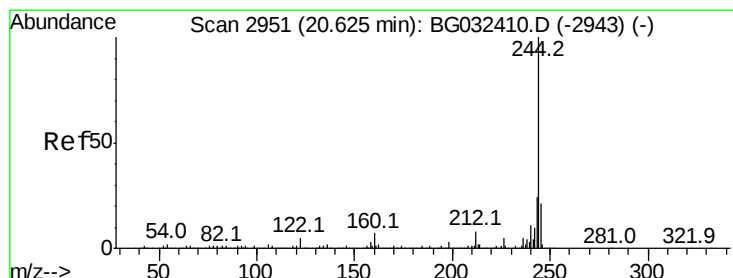
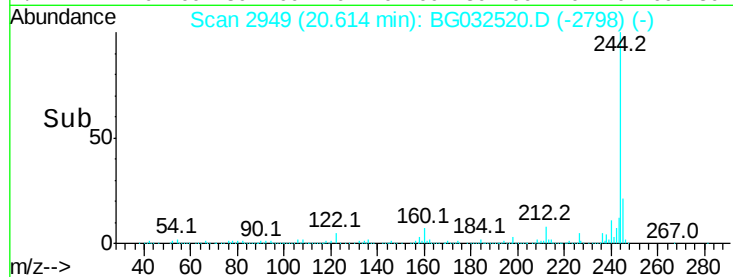
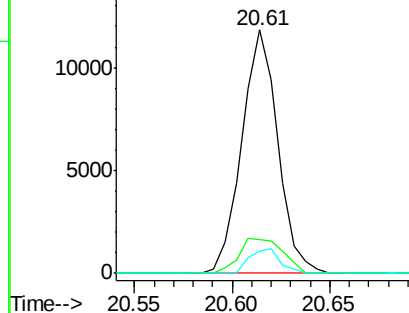
183 9.2 10.6 16.0#



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: 76.369 ng

RT: 20.61 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032520.D

Acq: 2 Feb 2018 20:09

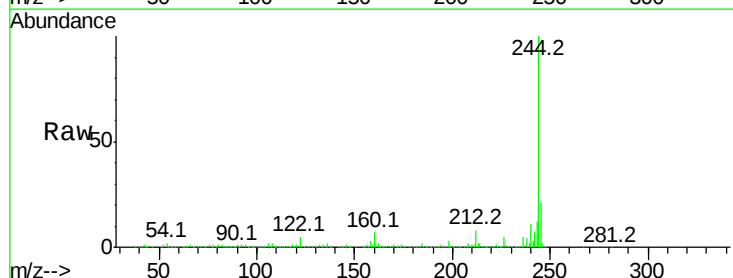
Tgt Ion:244 Resp: 1048985

Ion Ratio Lower Upper

244 100

212 7.6 5.8 8.8

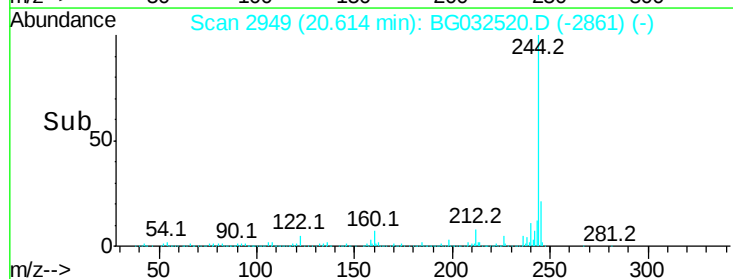
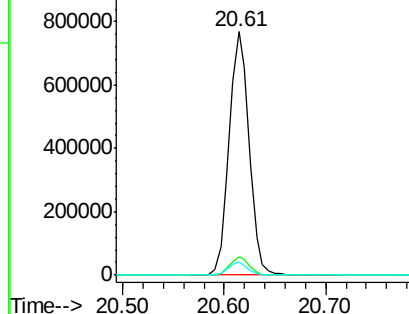
122 5.5 7.0 10.4#

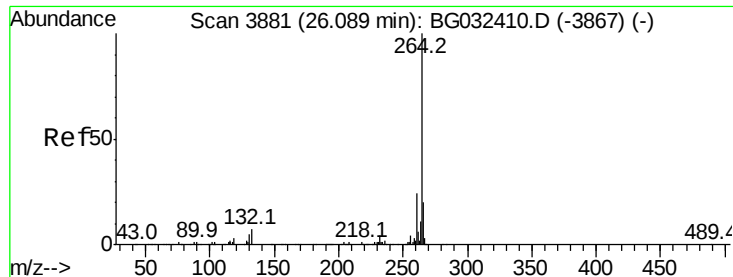


Abundance Ion 244.00 (243.70 to 244.70): E

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: BG032520.D
Acq: 2 Feb 2018 20:09

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	20.1	17.7	26.5

