

Data Path : U:\HPCHEM1\BNA G\DATA\BG020518\
 Data File : BG032549.D
 Acq On : 6 Feb 2018 00:40
 Operator : SJ/JU
 Sample : J1442-01
 Misc : MDL8PPM
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 06 03:25:07 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

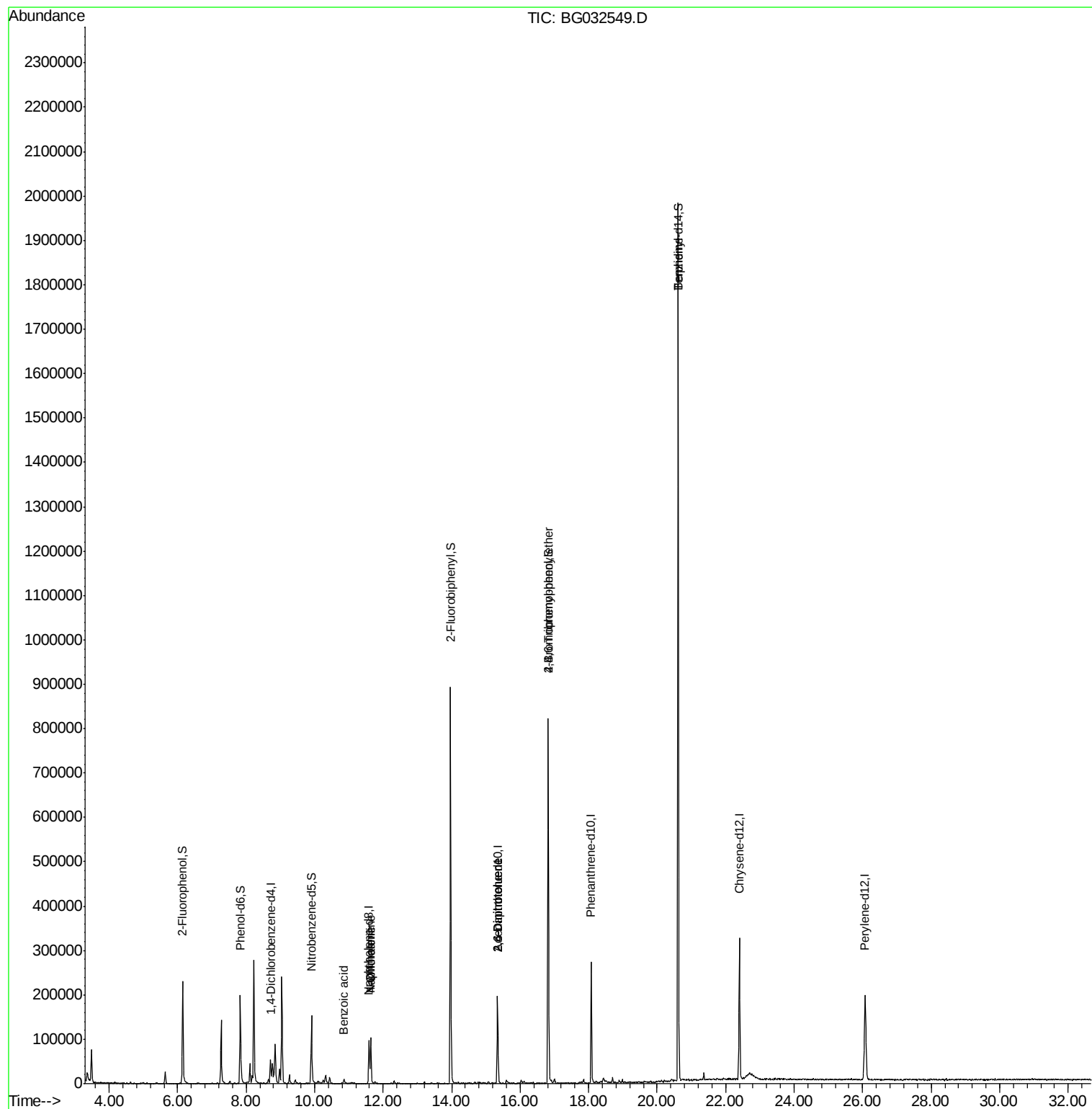
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.71	152	20663	20.00	ng	-0.01
21) Naphthalene-d8	11.59	136	99829	20.00	ng	-0.01
38) Acenaphthene-d10	15.34	164	72723	20.00	ng	-0.01
63) Phenanthrene-d10	18.07	188	191362	20.00	ng	-0.01
75) Chrysene-d12	22.40	240	249681	20.00	ng	-0.01
86) Perylene-d12	26.08	264	269612	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	6.15	112	127184	123.63	ng	0.00
7) Phenol-d6	7.83	99	140225	102.15	ng	0.00
23) Nitrobenzene-d5	9.90	82	107180	67.06	ng	-0.02
41) 2,4,6-Tribromophenol	16.82	330	210098	151.77	ng	-0.01
44) 2-Fluorobiphenyl	13.97	172	540819	88.39	ng	-0.02
78) Terphenyl-d14	20.62	244	1096178	94.04	ng	0.00
Target Compounds						
31) Naphthalene	11.64	128	105730	21.685	ng	98
32) Benzoic acid	10.86	122	358	7.587	ng	# 42
33) 4-Chloroaniline	11.64	127	14945	6.872	ng	# 38
50) 2,6-Dinitrotoluene	15.34	165	9737	6.919	ng	# 22
56) 2,4-Dinitrotoluene	15.34	165	9737	4.859	ng	# 20
66) 4-Bromophenyl-phenylether	16.82	248	16764	5.913	ng	# 1
76) Benzidine	20.62	184	15170	3.094	ng	# 93

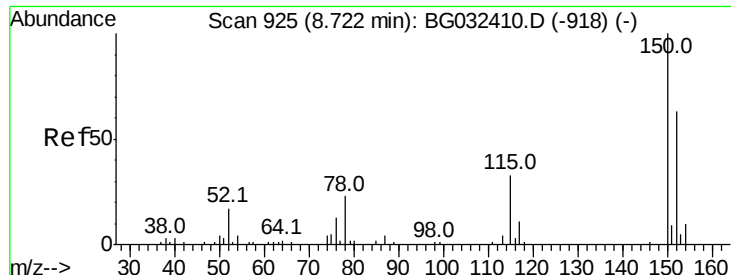
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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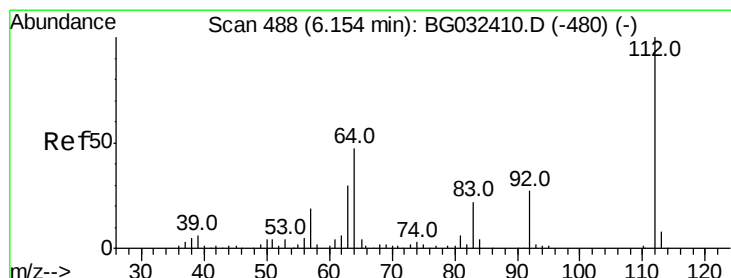
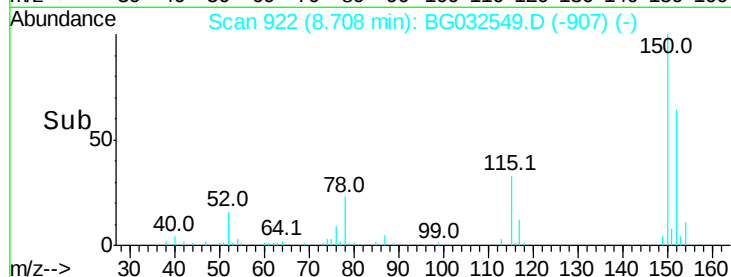
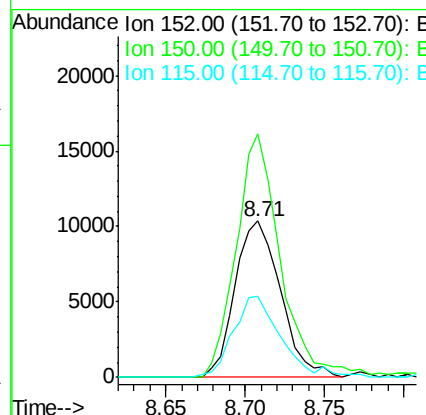
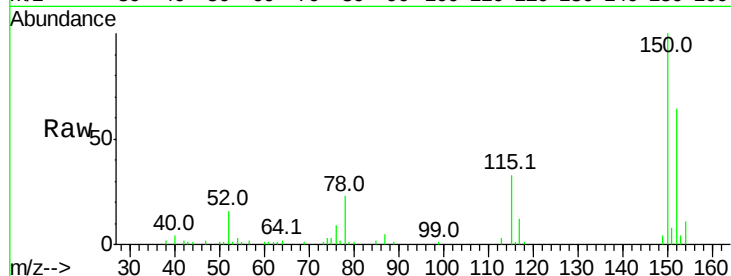


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 922
Delta R.T. -0.01 min
Lab File: BG032549.D
Acq: 6 Feb 2018 00:40

Instrument :
BNA_G
ClientSampleId :

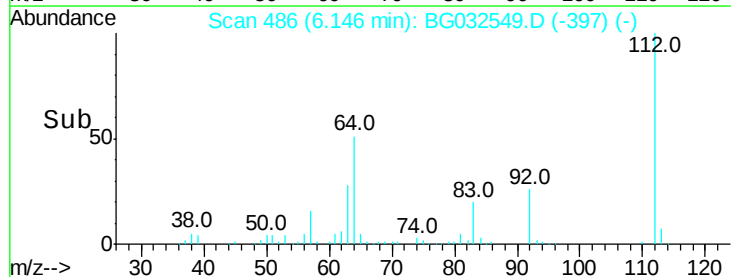
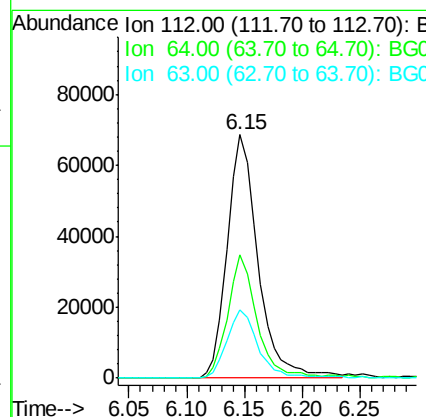
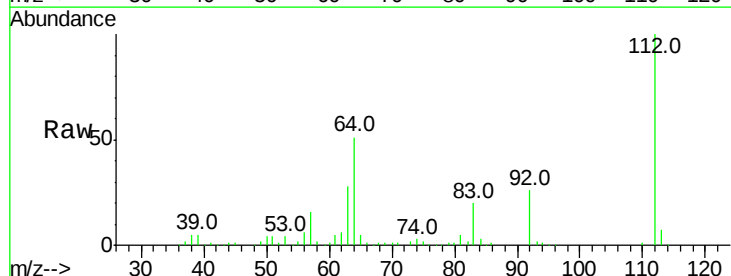
Tot Ion:152 Resp: 20663
Ion Ratio Lower Upper
152 100
150 155.7 126.6 189.8
115 51.9 53.0 79.4#

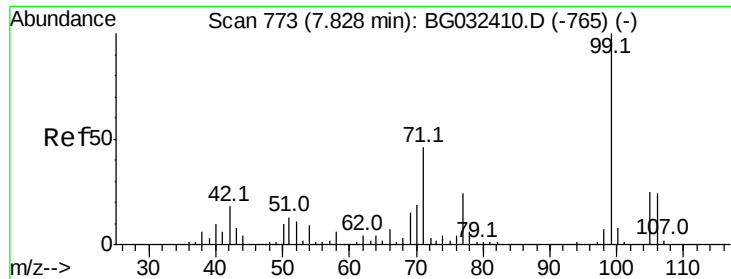


#5

2-Fluorophenol
Concen: 123.630 ng
RT: 6.15 min Scan# 486
Delta R.T. -0.01 min
Lab File: BG032549.D
Acq: 6 Feb 2018 00:40

Tgt Ion:112 Resp: 127184
Ion Ratio Lower Upper
112 100
64 50.5 56.3 84.5#
63 28.1 30.1 45.1#





#7

Phenol-d6

Concen: 102.147 ng

RT: 7.83 min Scan# 772

Delta R.T. -0.00 min

Lab File: BG032549.D

Acq: 6 Feb 2018 00:40

Instrument :

BNA_G

ClientSampleId :

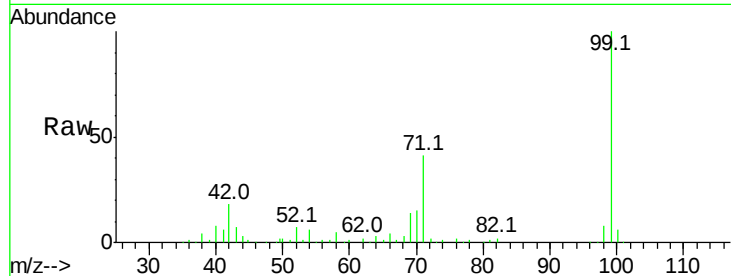
Tot Ion: 99 Resp: 140225

Ion Ratio Lower Upper

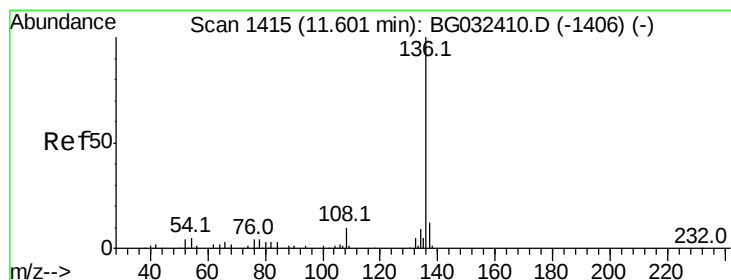
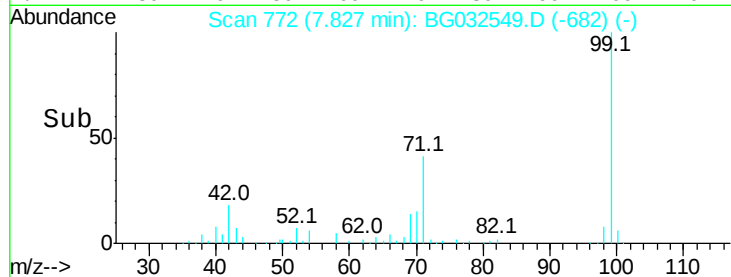
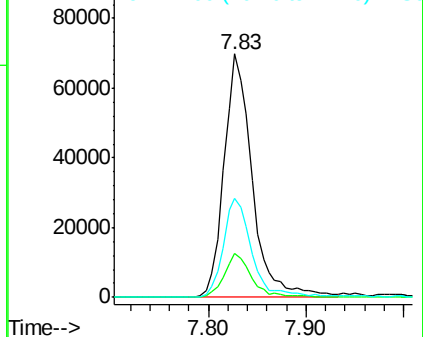
99 100

42 17.8 14.1 21.1

71 40.6 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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.59 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BG032549.D

Acq: 6 Feb 2018 00:40

Tgt Ion: 136 Resp: 99829

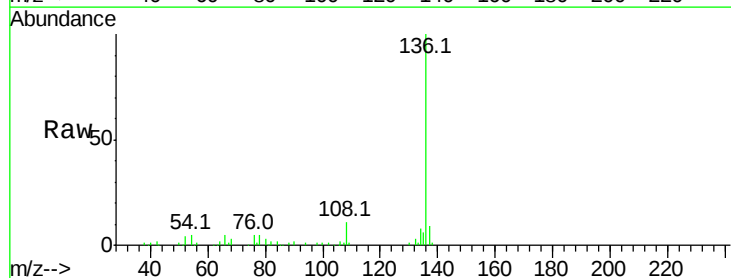
Ion Ratio Lower Upper

136 100

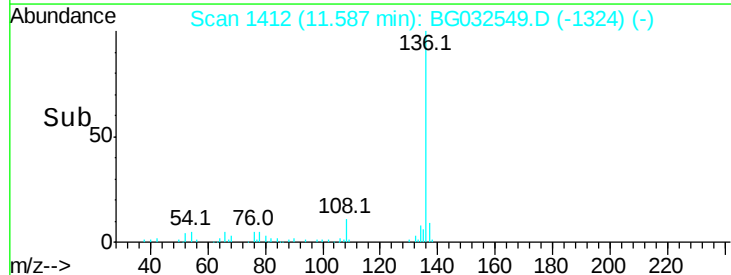
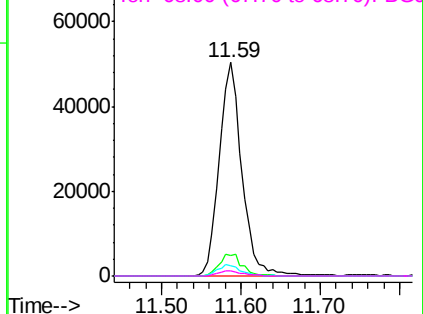
137 9.4 9.2 13.8

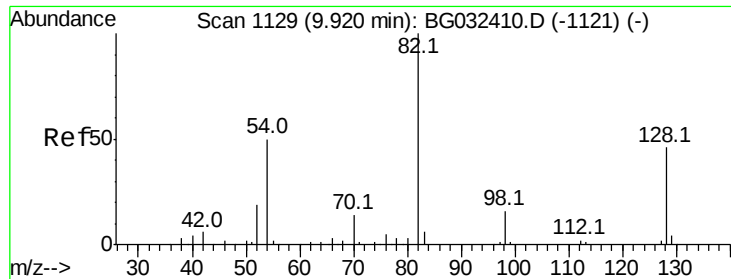
54 4.9 10.3 15.5#

68 2.6 4.5 6.7#



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

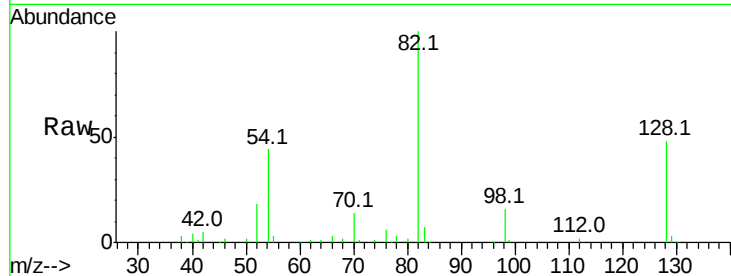




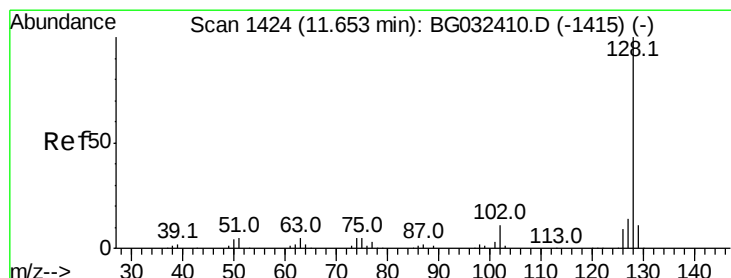
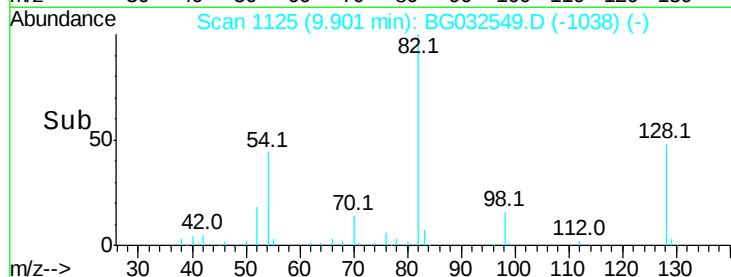
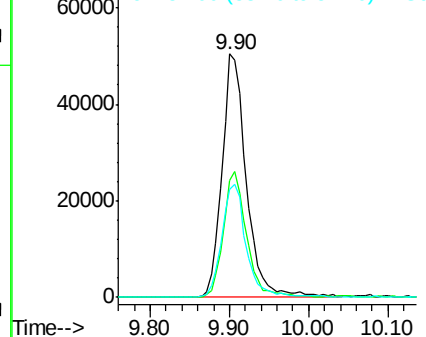
#23
Nitrobenzene-d5
Concen: 67.060 ng
RT: 9.90 min Scan# 1125
Delta R.T. -0.02 min
Lab File: BG032549.D
Acq: 6 Feb 2018 00:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion: 82 Resp: 107180
Ion Ratio Lower Upper
82 100
128 48.1 29.7 44.5#
54 44.2 43.1 64.7

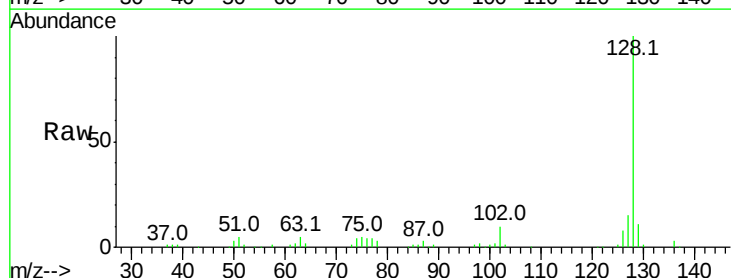


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

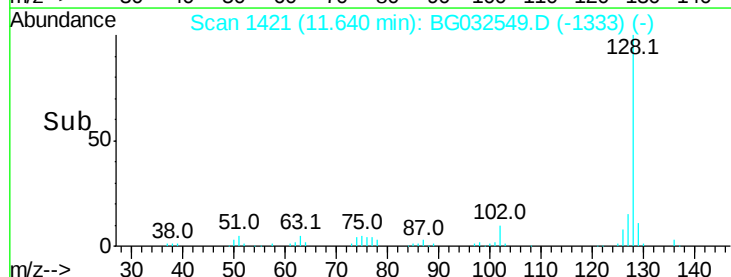
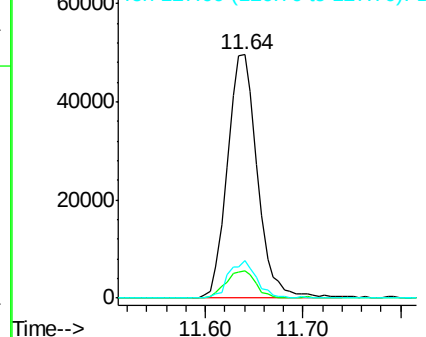


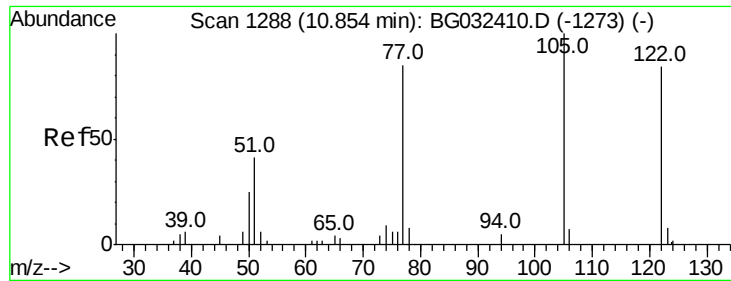
#31
Naphthalene
Concen: 21.685 ng
RT: 11.64 min Scan# 1421
Delta R.T. -0.01 min
Lab File: BG032549.D
Acq: 6 Feb 2018 00:40

Tgt Ion:128 Resp: 105730
Ion Ratio Lower Upper
128 100
129 11.2 8.6 12.8
127 15.4 11.6 17.4



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

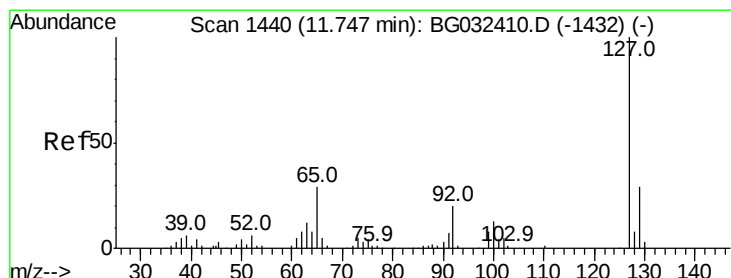
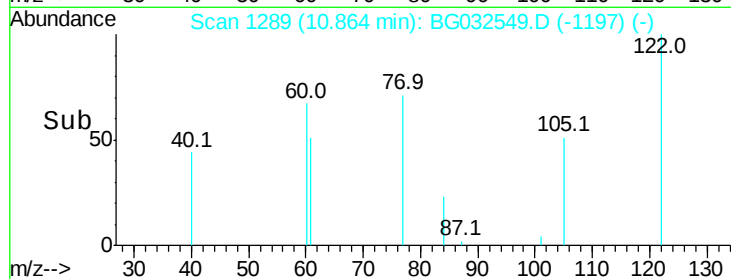
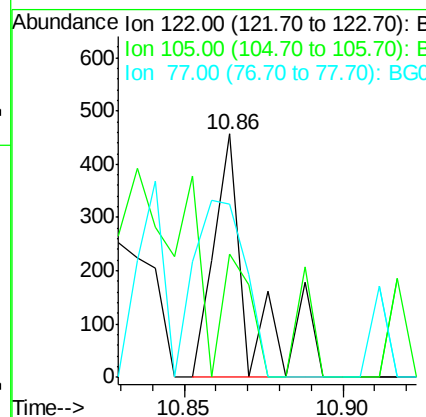
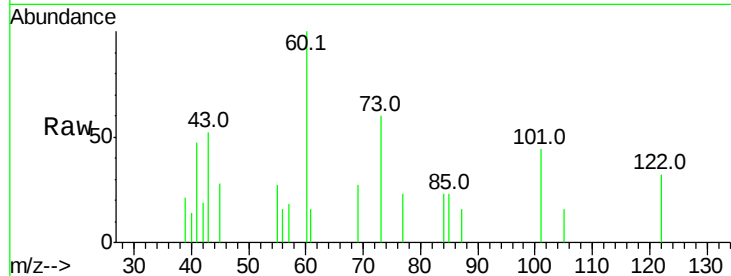




#32
Benzoic acid
Concen: 7.587 ng
RT: 10.86 min Scan# 1289
Delta R.T. 0.01 min
Lab File: BG032549.D
Acq: 6 Feb 2018 00:40

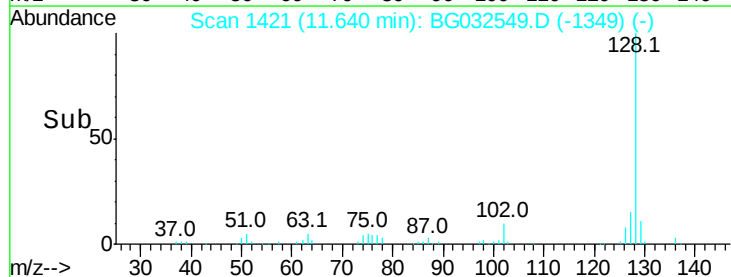
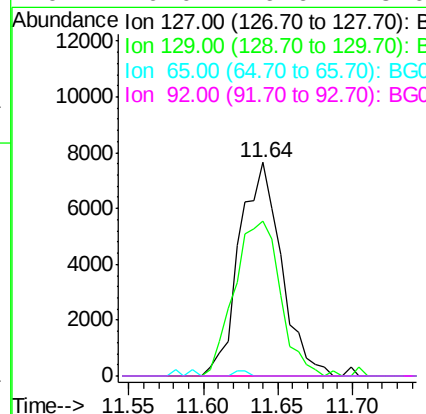
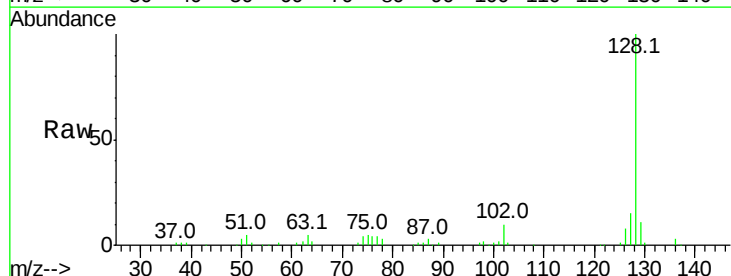
Instrument :
BNA_G
ClientSampleId :

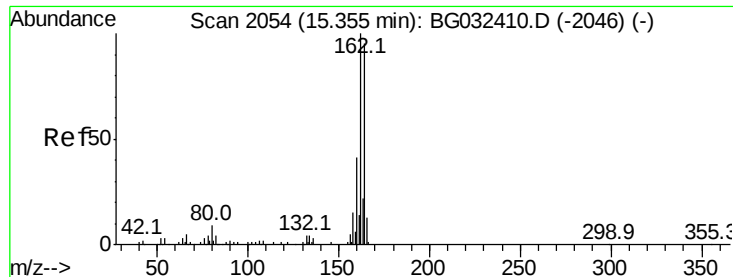
Tot Ion:122 Resp: 358
Ion Ratio Lower Upper
122 100
105 50.5 123.5 163.5#
77 71.1 85.7 125.7#



#33
4-Chloroaniline
Concen: 6.872 ng
RT: 11.64 min Scan# 1421
Delta R.T. -0.11 min
Lab File: BG032549.D
Acq: 6 Feb 2018 00:40

Tgt Ion:127 Resp: 14945
Ion Ratio Lower Upper
127 100
129 72.3 24.0 36.0#
65 0.0 27.0 40.4#
92 0.0 16.6 25.0#





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.01 min

Lab File: BG032549.D

Acq: 6 Feb 2018 00:40

Instrument :

BNA_G

ClientSampleId :

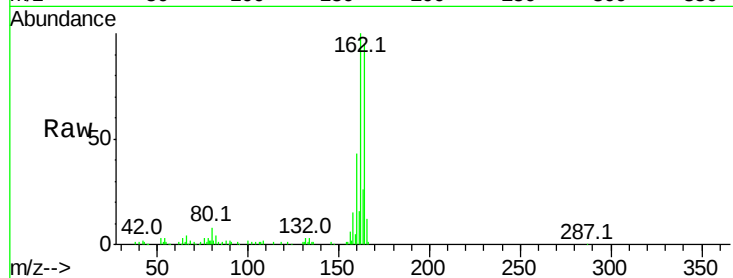
Tot Ion:164 Resp: 72723

Ion	Ratio	Lower	Upper
164	100		
162	105.1	78.8	118.2
160	45.2	35.4	53.0

164 100

162 105.1 78.8 118.2

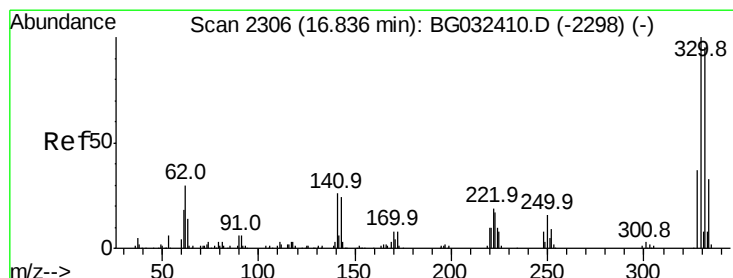
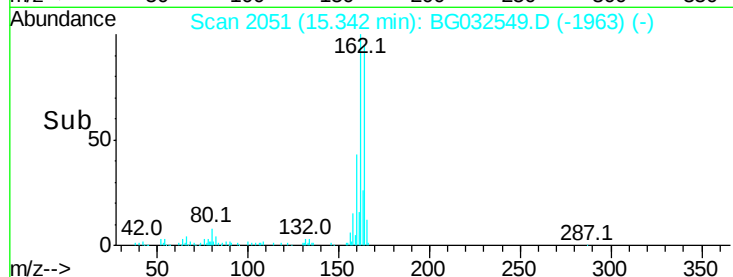
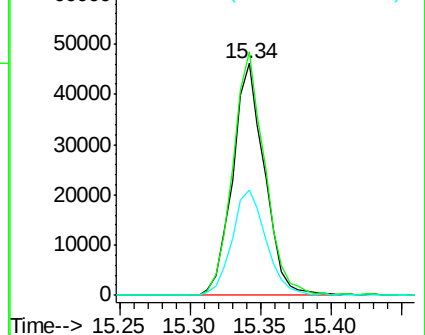
160 45.2 35.4 53.0



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: 151.774 ng

RT: 16.82 min Scan# 2303

Delta R.T. -0.01 min

Lab File: BG032549.D

Acq: 6 Feb 2018 00:40

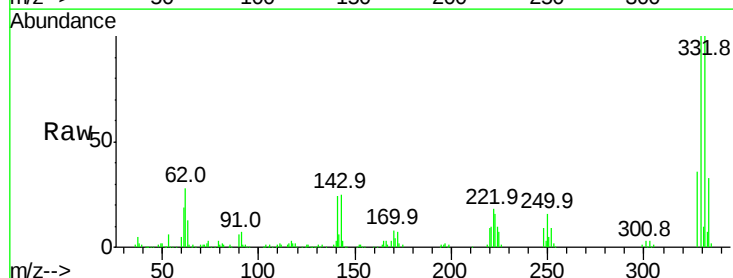
Tgt Ion:330 Resp: 210098

Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	26.0	25.2	37.8

330 100

332 97.2 77.0 115.6

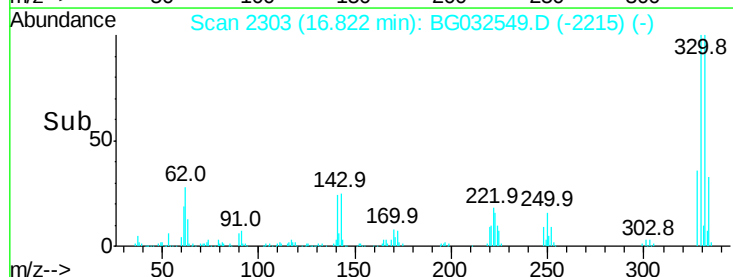
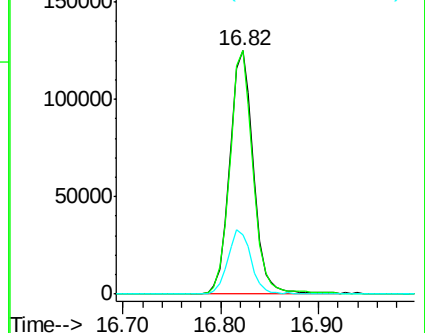
141 26.0 25.2 37.8

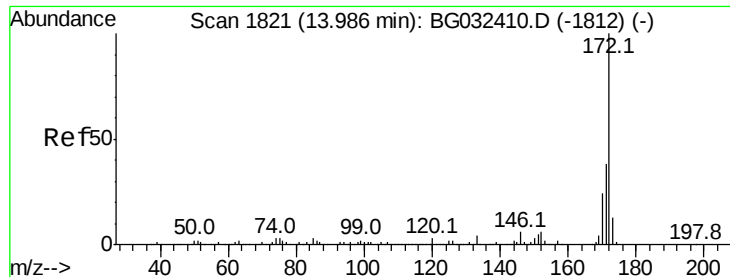


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

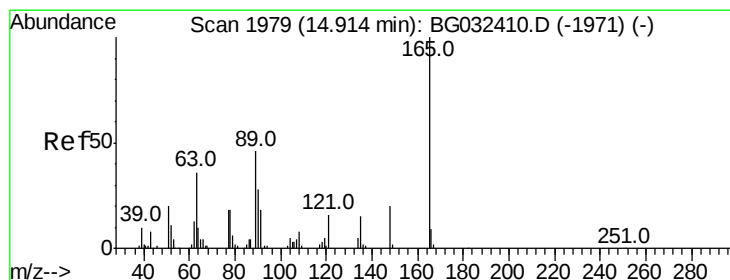
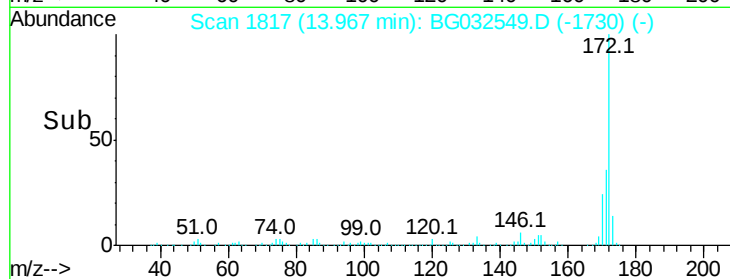
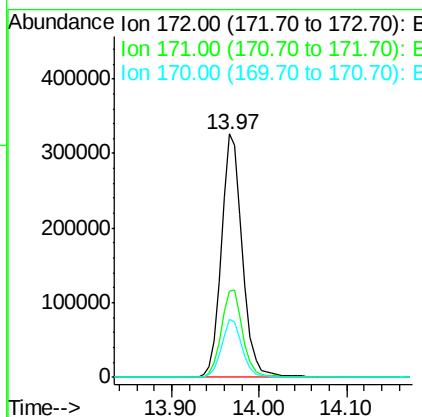
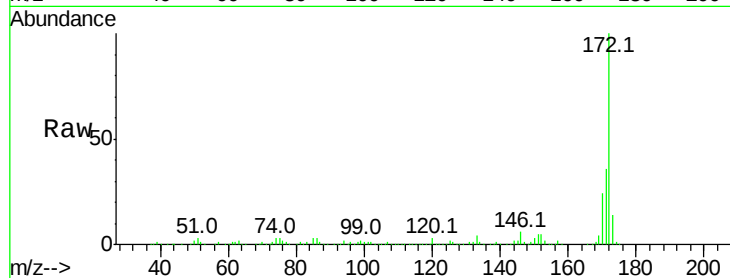




#44
 2-Fluorobiphenyl
 Concen: 88.390 ng
 RT: 13.97 min Scan# 1817
 Delta R.T. -0.02 min
 Lab File: BG032549.D
 Acq: 6 Feb 2018 00:40

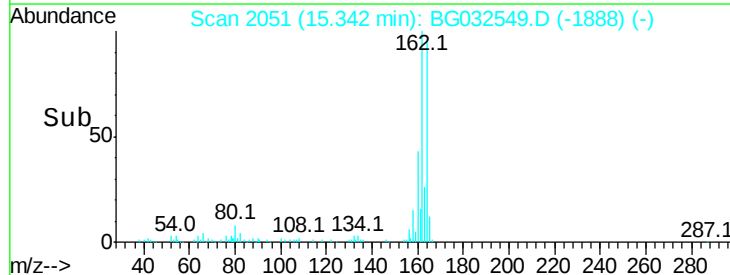
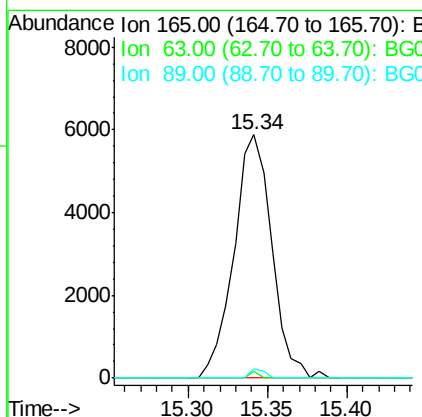
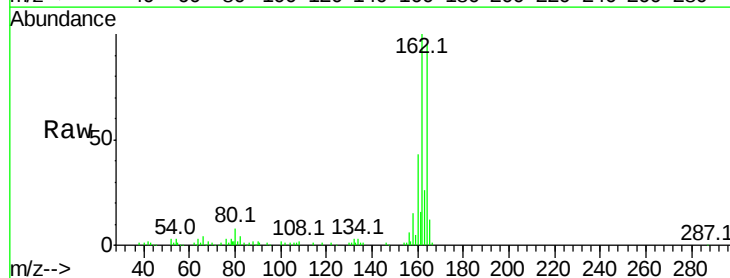
Instrument :
 BNA_G
 ClientSampleId :

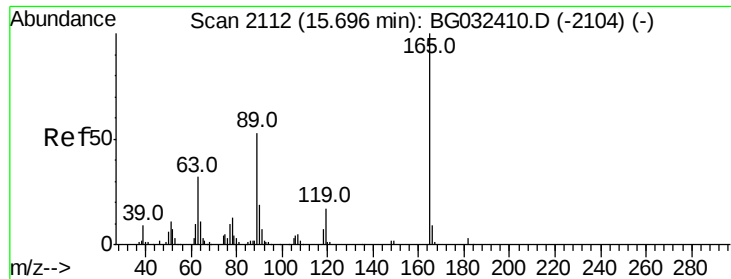
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.6	30.0	45.0
170	23.7	19.5	29.3



#50
 2,6-Dinitrotoluene
 Concen: 6.919 ng
 RT: 15.34 min Scan# 2051
 Delta R.T. 0.43 min
 Lab File: BG032549.D
 Acq: 6 Feb 2018 00:40

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.6	52.7	79.1#
89	3.6	49.2	73.8#





#56

2,4-Dinitrotoluene

Concen: 4.859 ng

RT: 15.34 min Scan# 2051

Delta R.T. -0.35 min

Lab File: BG032549.D

Acq: 6 Feb 2018 00:40

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 9737

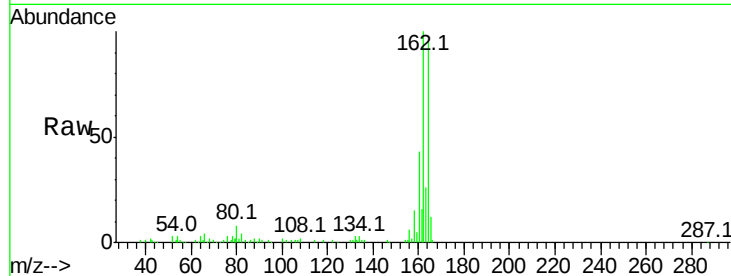
Ion Ratio Lower Upper

165 100

63 2.6 42.0 63.0#

89 3.6 66.9 100.3#

182 0.0 2.6 3.8#

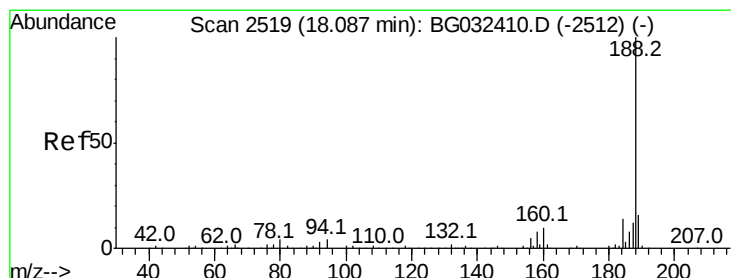
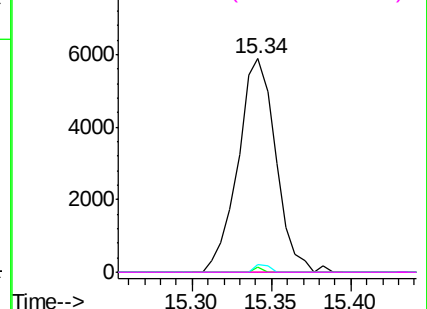
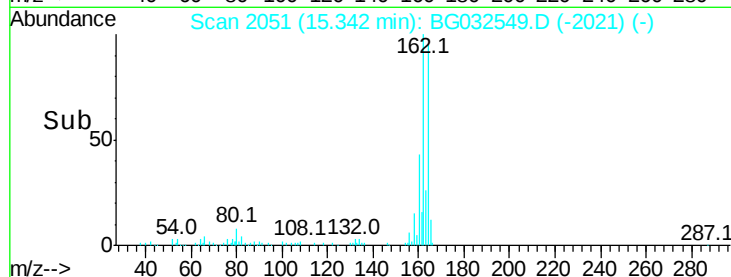


Abundance Ion 165.00 (164.70 to 165.70): E

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: 18.07 min Scan# 2516

Delta R.T. -0.01 min

Lab File: BG032549.D

Acq: 6 Feb 2018 00:40

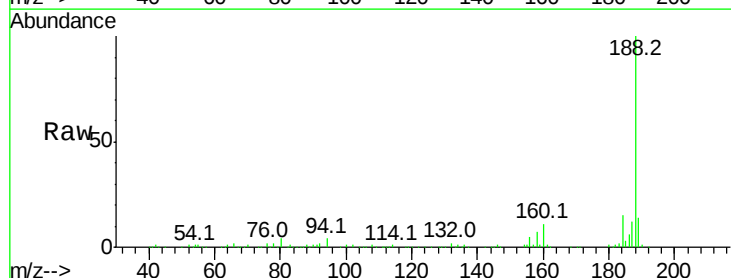
Tgt Ion:188 Resp: 191362

Ion Ratio Lower Upper

188 100

94 4.2 6.9 10.3#

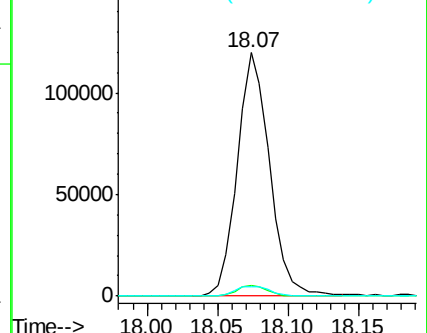
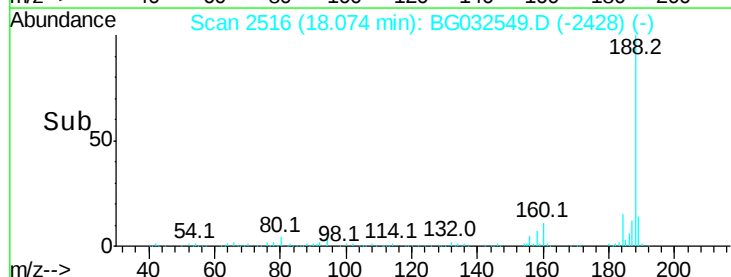
80 3.9 7.7 11.5#

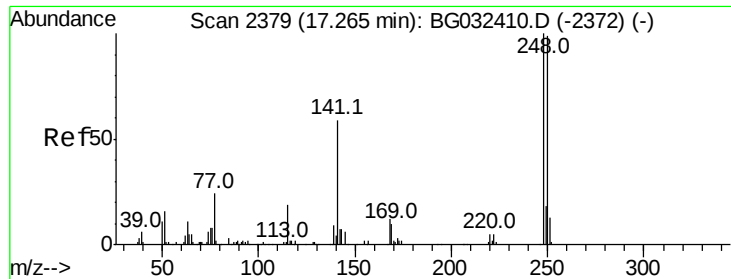


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

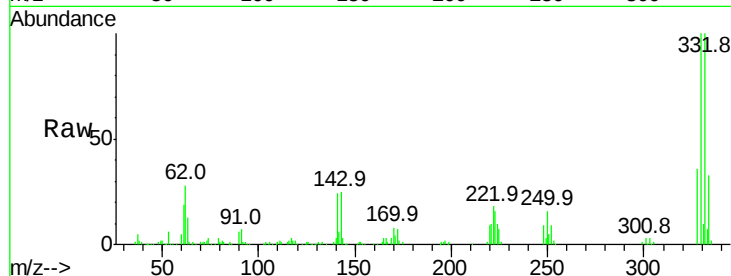




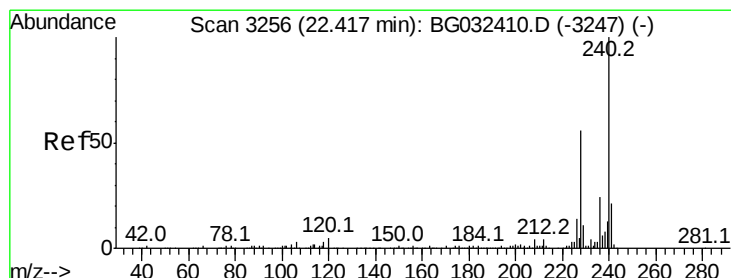
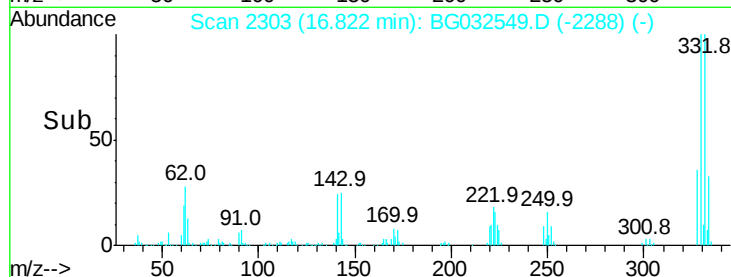
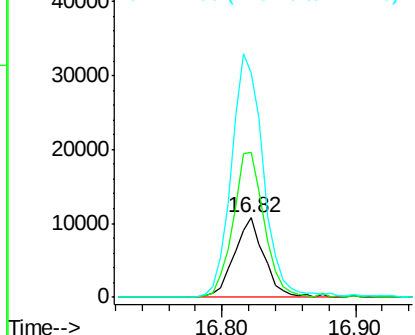
#66
4-Bromophenyl-phenylether
Concen: 5.913 ng
RT: 16.82 min Scan# 2303
Delta R.T. -0.44 min
Lab File: BG032549.D
Acq: 6 Feb 2018 00:40

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 16764
Ion Ratio Lower Upper
248 100
250 182.6 77.1 115.7#
141 281.6 50.8 76.2#

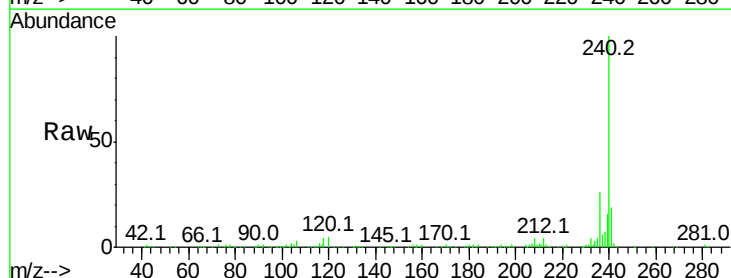


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

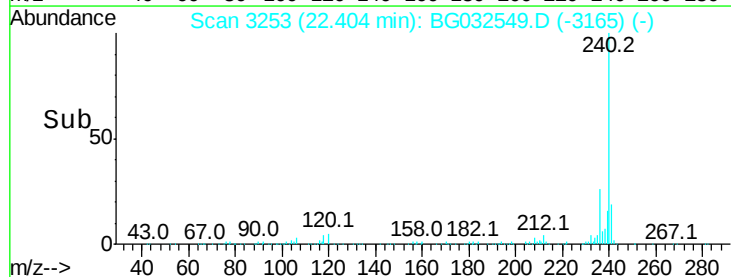
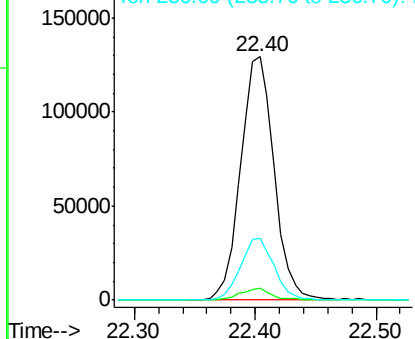


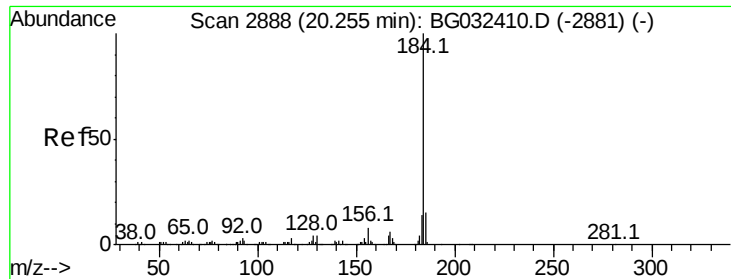
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.40 min Scan# 3253
Delta R.T. -0.01 min
Lab File: BG032549.D
Acq: 6 Feb 2018 00:40

Tgt Ion:240 Resp: 249681
Ion Ratio Lower Upper
240 100
120 4.8 6.8 10.2#
236 25.6 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: 3.094 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032549.D

Acq: 6 Feb 2018 00:40

Instrument :

BNA_G

ClientSampleId :

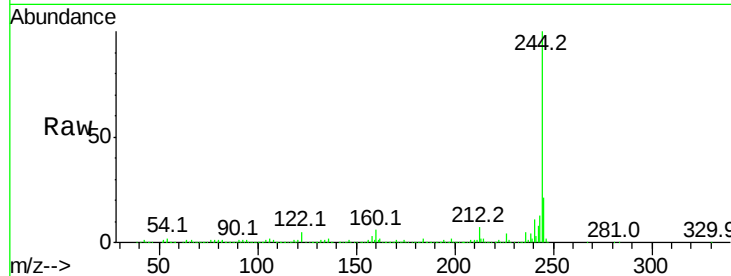
Tot Ion:184 Resp: 15170

Ion Ratio Lower Upper

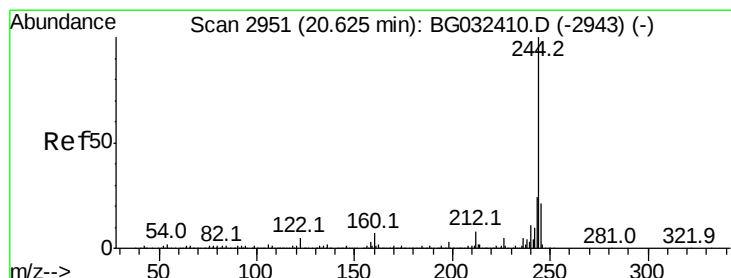
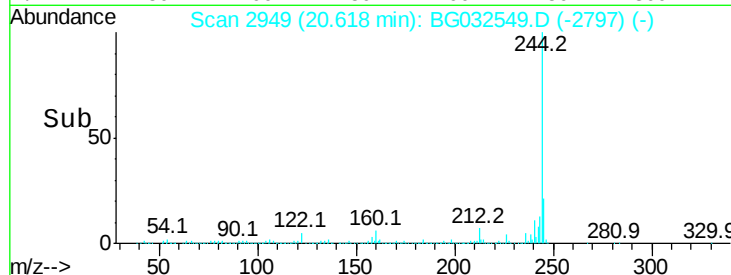
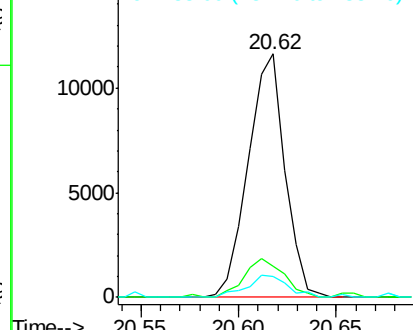
184 100

185 12.6 11.1 16.7

183 8.7 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: 94.044 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032549.D

Acq: 6 Feb 2018 00:40

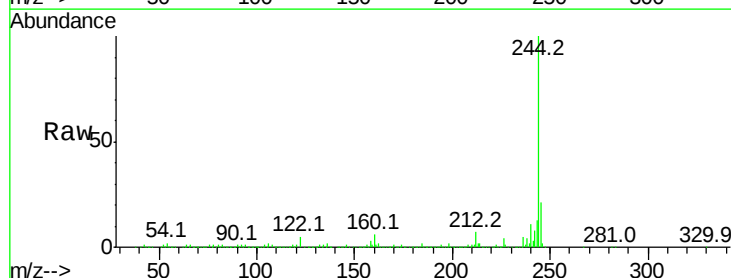
Tgt Ion:244 Resp: 1096178

Ion Ratio Lower Upper

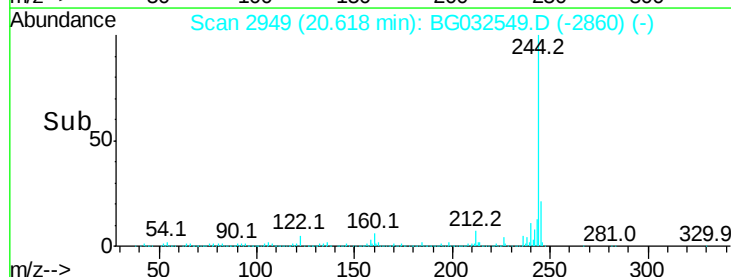
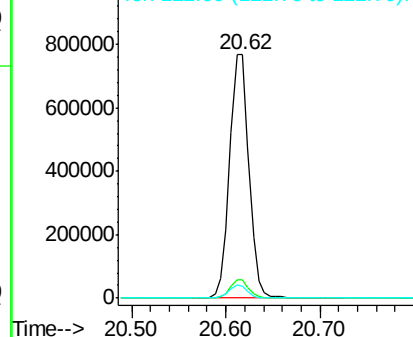
244 100

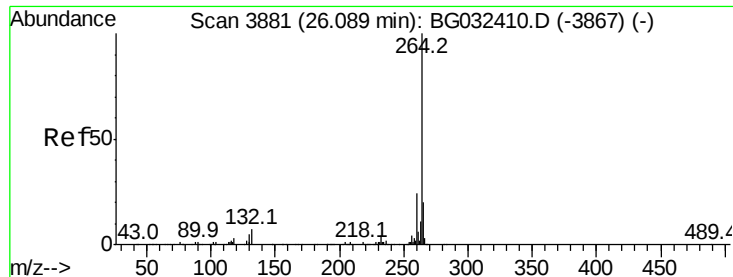
212 7.4 5.8 8.8

122 5.1 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

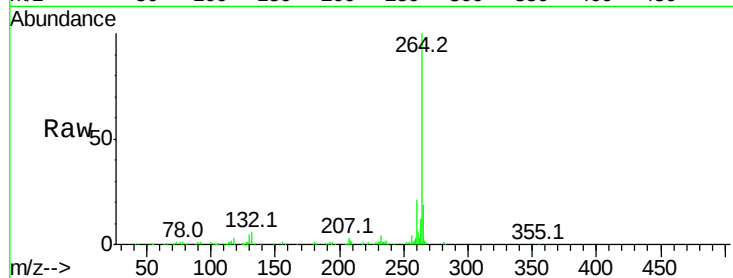




#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.08 min Scan# 3878
Delta R.T. -0.01 min
Lab File: BG032549.D
Acq: 6 Feb 2018 00:40

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.3	17.4	26.0
265	19.4	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

