

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020818\
 Data File : BG032623.D
 Acq On : 8 Feb 2018 23:04
 Operator : SJ/JU
 Sample : J1473-40
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 09 02:37:39 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

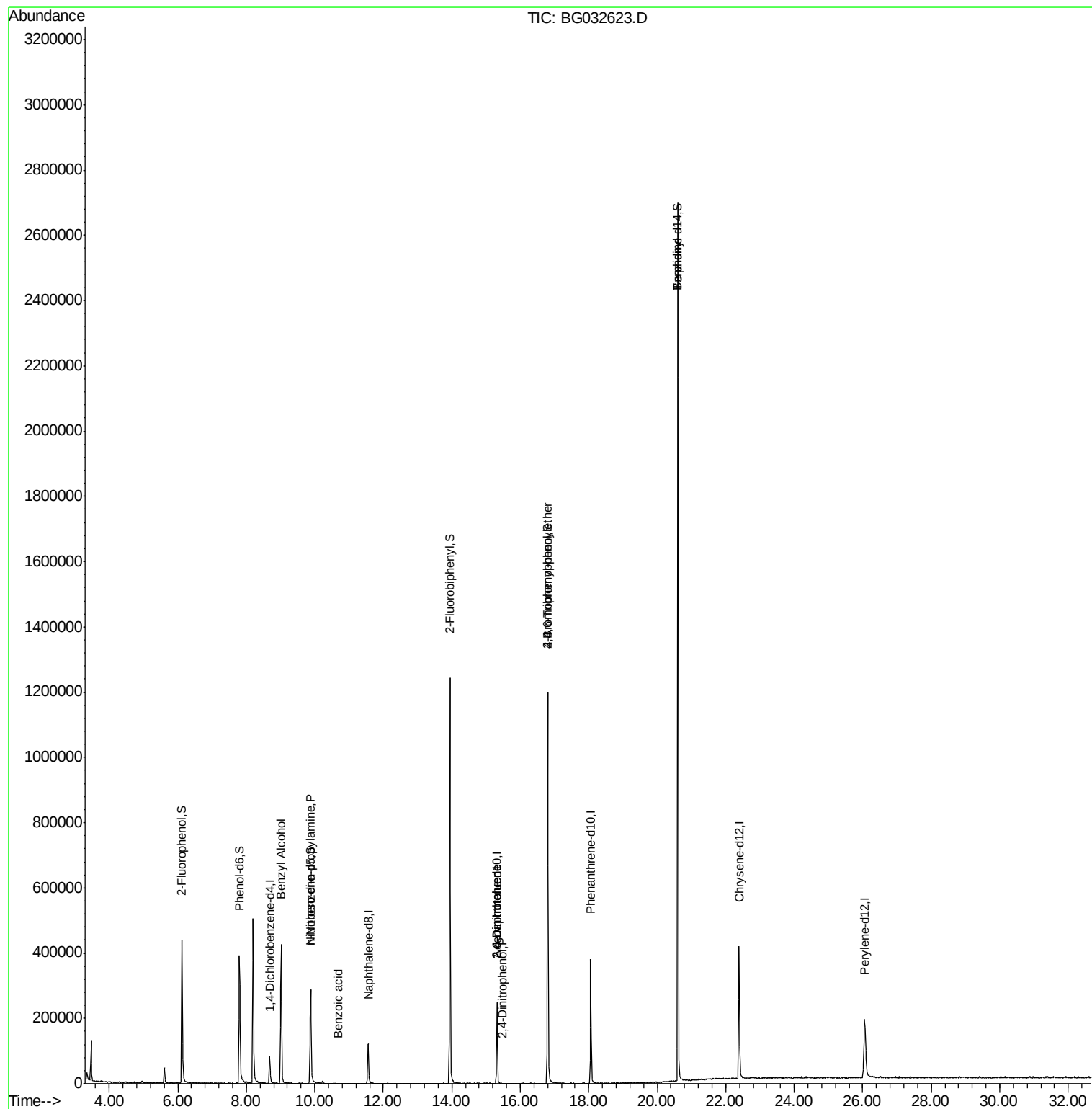
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	31830	20.00	ng	-0.03
21) Naphthalene-d8	11.56	136	126961	20.00	ng	-0.03
38) Acenaphthene-d10	15.32	164	99492	20.00	ng	-0.02
63) Phenanthrene-d10	18.06	188	284583	20.00	ng	-0.02
75) Chrysene-d12	22.39	240	323812	20.00	ng	-0.02
86) Perylene-d12	26.06	264	246050	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.13	112	229581	144.87	ng	-0.02
7) Phenol-d6	7.81	99	271979	128.61	ng	-0.02
23) Nitrobenzene-d5	9.88	82	208960	102.80	ng	-0.03
41) 2,4,6-Tribromophenol	16.80	330	270510	142.84	ng	-0.02
44) 2-Fluorobiphenyl	13.95	172	756763	90.41	ng	-0.02
78) Terphenyl-d14	20.60	244	1461578	96.69	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	9.02	79	4014	2.30	ng	# 67
19) n-Nitroso-di-n-propylamine	9.88	70	30952	22.08	ng	# 77
32) Benzoic acid	10.68	122	54	7.32	ng	# 1
50) 2,6-Dinitrotoluene	15.32	165	12550	6.52	ng	# 18
53) 2,4-Dinitrophenol	15.47	184	57	4.15	ng	# 1
56) 2,4-Dinitrotoluene	15.32	165	12550	4.58	ng	# 16
66) 4-Bromophenyl-phenylether	16.80	248	23742	5.63	ng	# 1
76) Benzidine	20.60	184	23849	3.75	ng	# 93

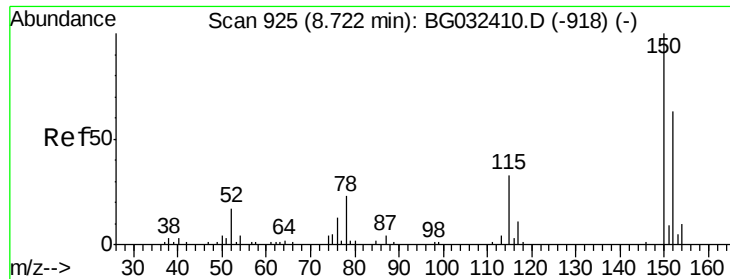
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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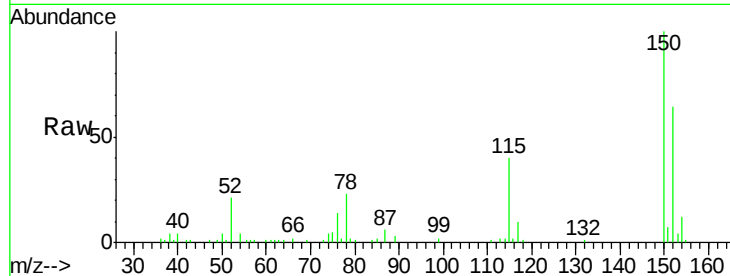


#1

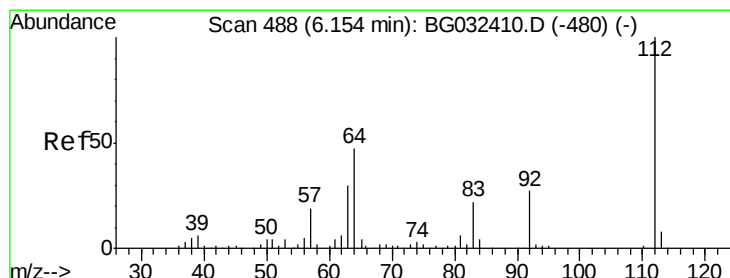
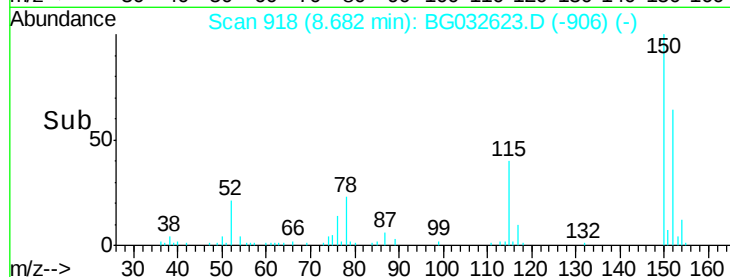
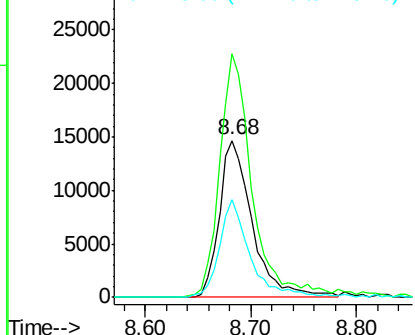
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.68 min Scan# 918
Delta R.T. -0.03 min
Lab File: BG032623.D
Acq: 8 Feb 2018 23:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 31830
Ion Ratio Lower Upper
152 100
150 155.4 126.6 189.8
115 62.1 53.0 79.4



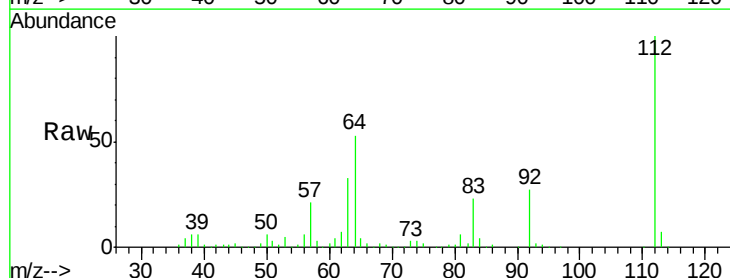
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



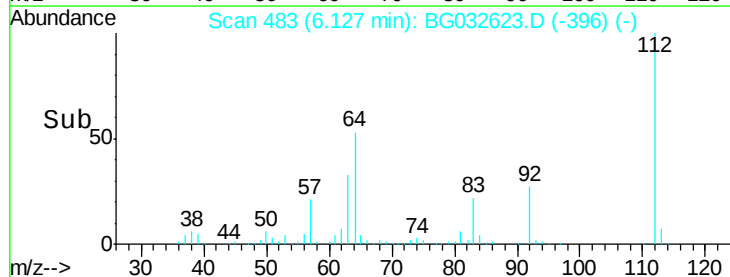
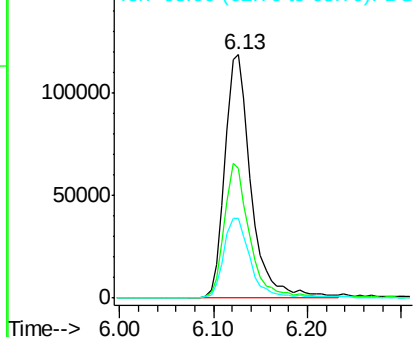
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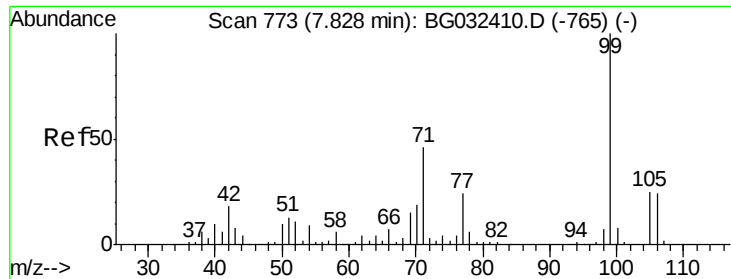
2-Fluorophenol
Concen: 144.87 ng
RT: 6.13 min Scan# 483
Delta R.T. -0.02 min
Lab File: BG032623.D
Acq: 8 Feb 2018 23:04

Tgt Ion:112 Resp: 229581
Ion Ratio Lower Upper
112 100
64 53.3 56.3 84.5#
63 33.0 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: 128.61 ng

RT: 7.81 min Scan# 769

Delta R.T. -0.02 min

Lab File: BG032623.D

Acq: 8 Feb 2018 23:04

Instrument :

BNA_G

ClientSampleId :

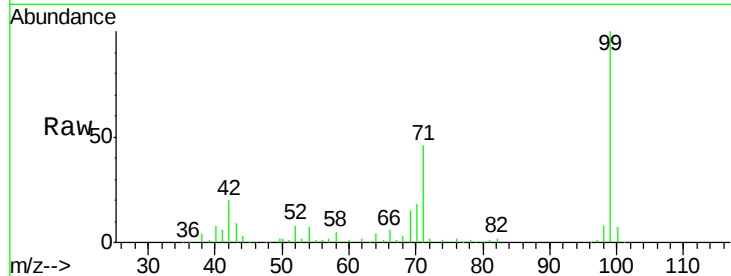
Tot Ion: 99 Resp: 271979

Ion Ratio Lower Upper

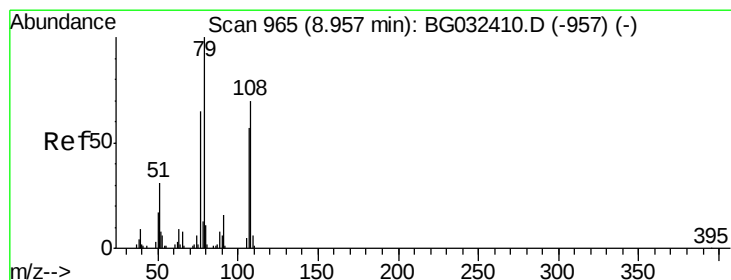
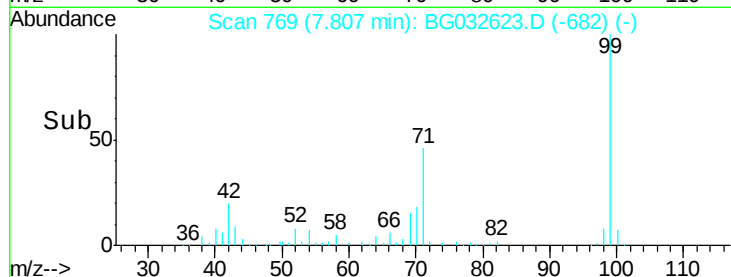
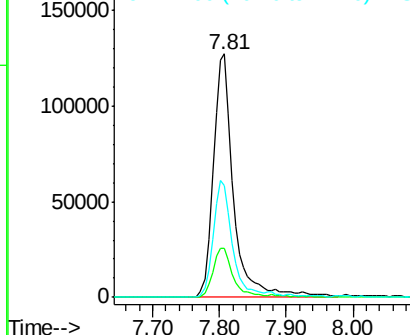
99 100

42 20.1 14.1 21.1

71 46.1 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: 2.30 ng

RT: 9.02 min Scan# 975

Delta R.T. 0.07 min

Lab File: BG032623.D

Acq: 8 Feb 2018 23:04

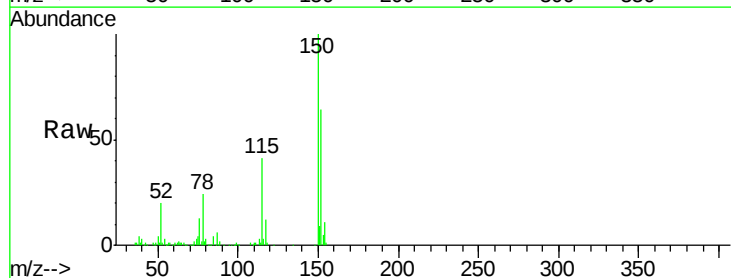
Tgt Ion: 79 Resp: 4014

Ion Ratio Lower Upper

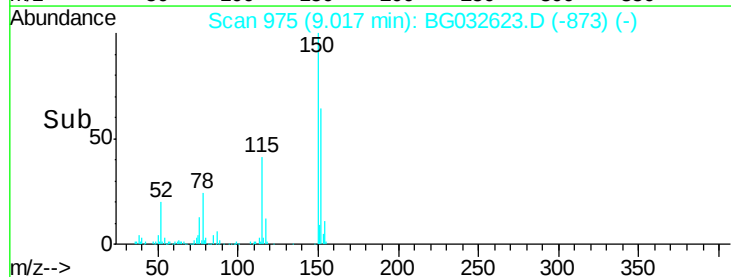
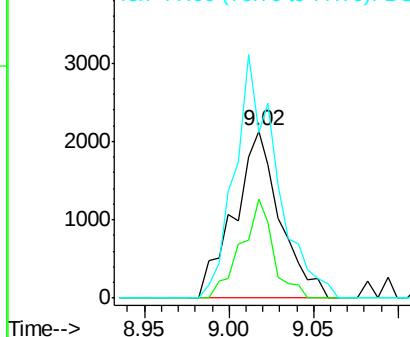
79 100

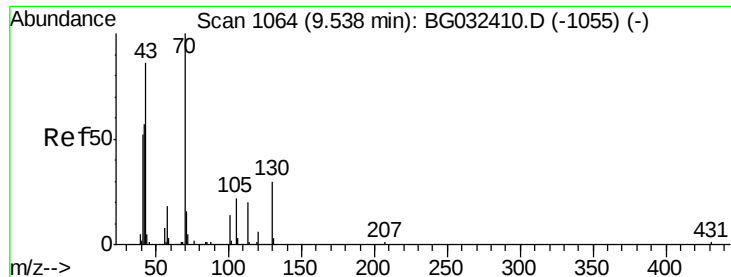
108 59.1 57.2 85.8

77 99.2 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

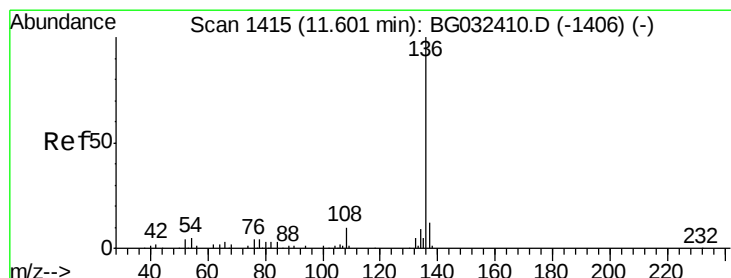
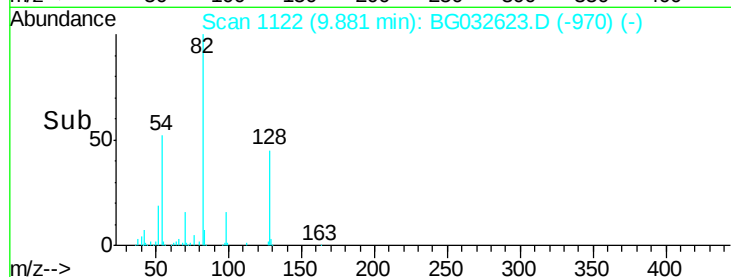
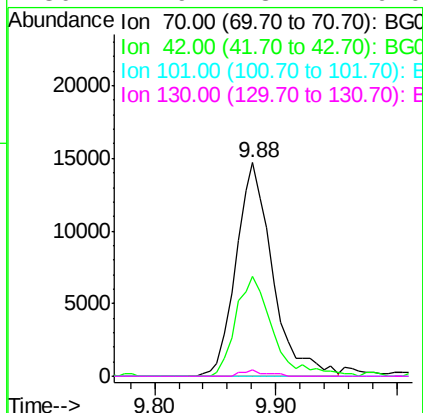
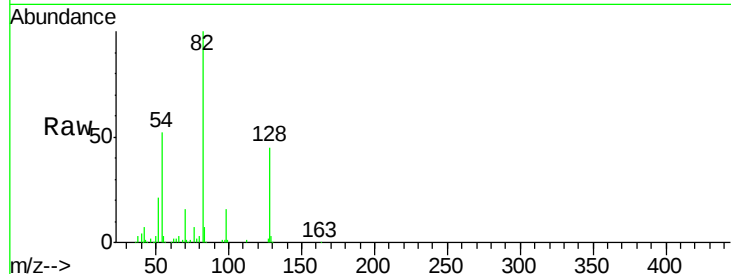




#19
n-Nitroso-di-n-propylamine
Concen: 22.08 ng
RT: 9.88 min Scan# 1122
Delta R.T. 0.37 min
Lab File: BG032623.D
Acq: 8 Feb 2018 23:04

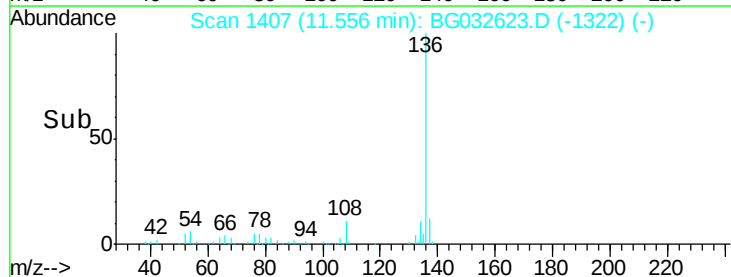
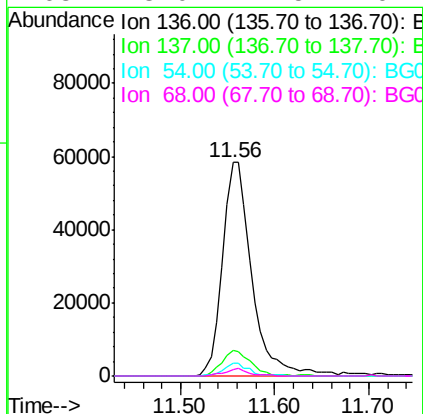
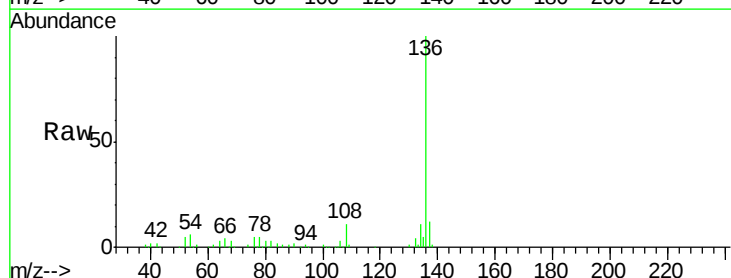
Instrument :
BNA_G
ClientSampleId :

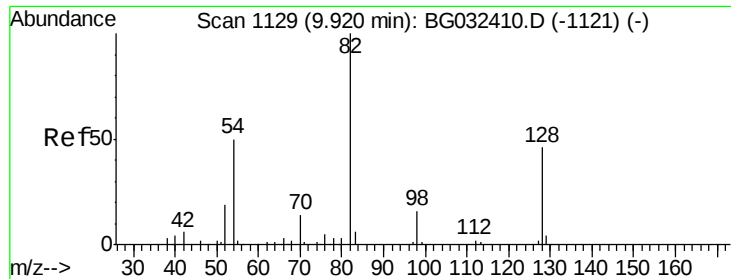
Tot Ion: 70 Resp: 30952
Ion Ratio Lower Upper
70 100
42 46.5 49.1 73.7#
101 0.0 8.5 12.7#
130 2.9 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.56 min Scan# 1407
Delta R.T. -0.03 min
Lab File: BG032623.D
Acq: 8 Feb 2018 23:04

Tgt Ion: 136 Resp: 126961
Ion Ratio Lower Upper
136 100
137 12.1 9.2 13.8
54 5.7 10.3 15.5#
68 3.0 4.5 6.7#

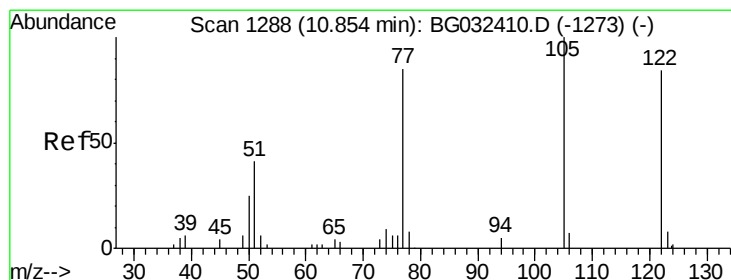
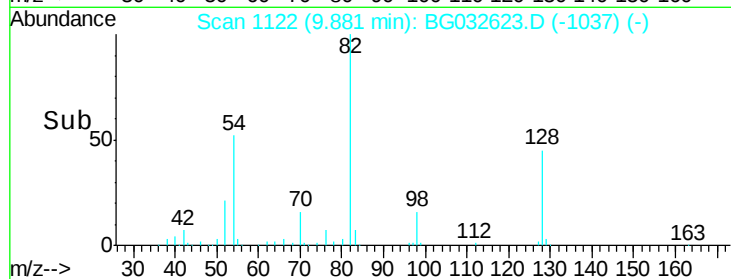
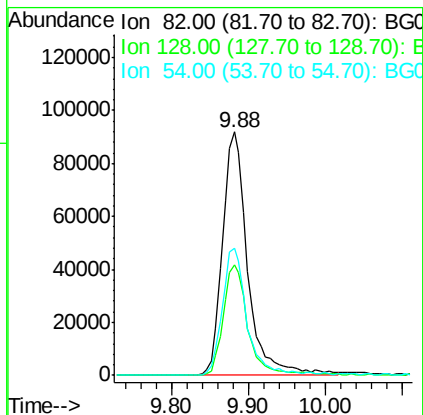
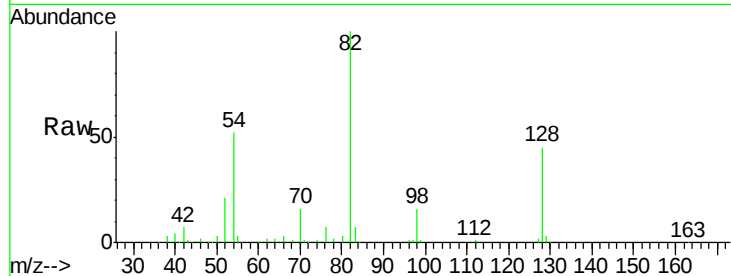




#23
 Nitrobenzene-d5
 Concen: 102.80 ng
 RT: 9.88 min Scan# 1122
 Delta R.T. -0.03 min
 Lab File: BG032623.D
 Acq: 8 Feb 2018 23:04

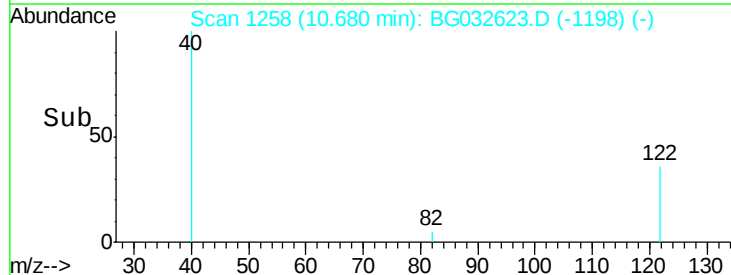
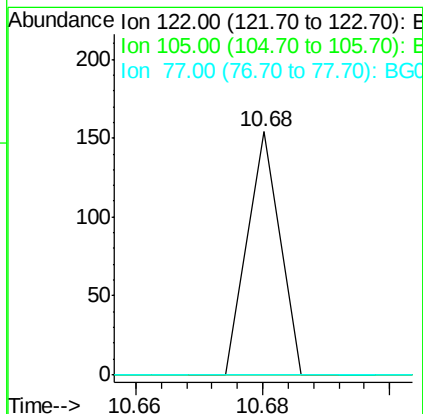
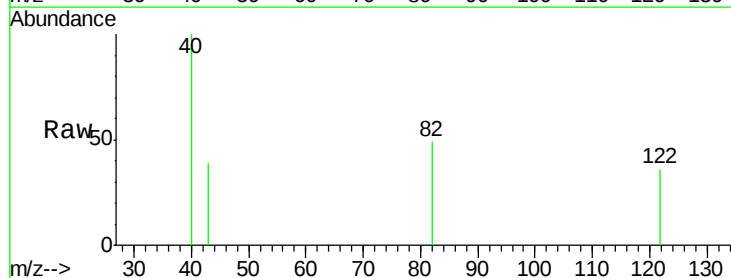
Instrument :
 BNA_G
 ClientSampleId :

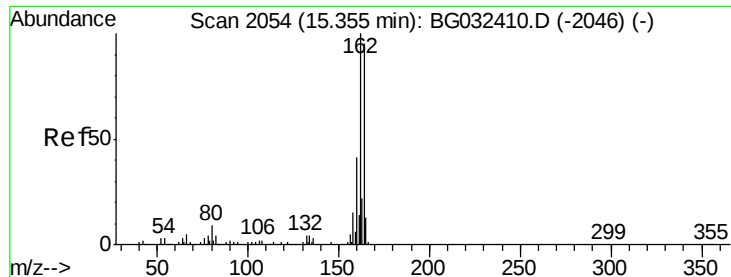
Tot Ion	82	Resp	208960
Ion Ratio	100	Lower	Upper
128	45.5	29.7	44.5#
54	52.1	43.1	64.7



#32
 Benzoic acid
 Concen: 7.32 ng
 RT: 10.68 min Scan# 1258
 Delta R.T. -0.17 min
 Lab File: BG032623.D
 Acq: 8 Feb 2018 23:04

Tgt Ion	122	Resp	54
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.32 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BG032623.D

Acq: 8 Feb 2018 23:04

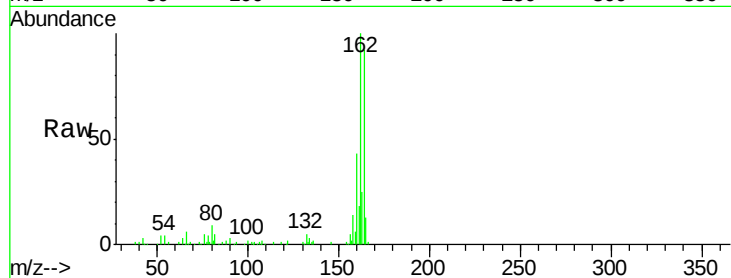
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 99492

Ion	Ratio	Lower	Upper
164	100		
162	108.9	78.8	118.2
160	47.1	35.4	53.0

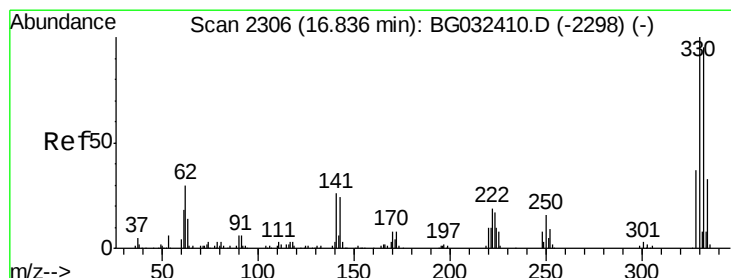
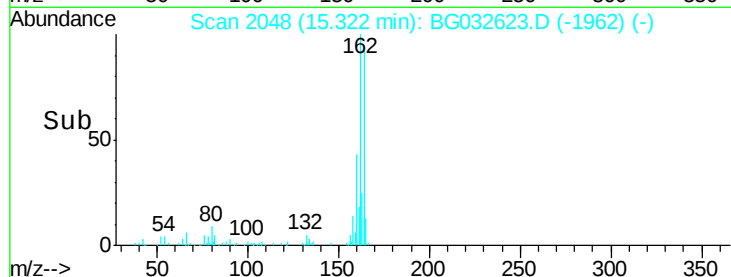
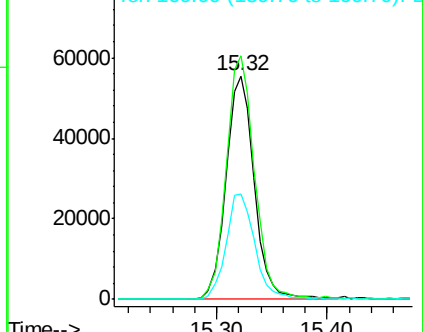


Abundance

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: 142.84 ng

RT: 16.80 min Scan# 2300

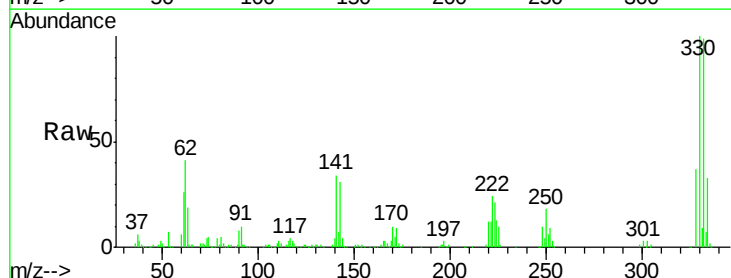
Delta R.T. -0.02 min

Lab File: BG032623.D

Acq: 8 Feb 2018 23:04

Tgt Ion:330 Resp: 270510

Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	32.2	25.2	37.8

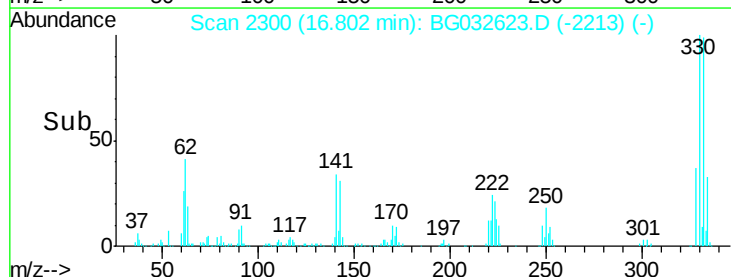
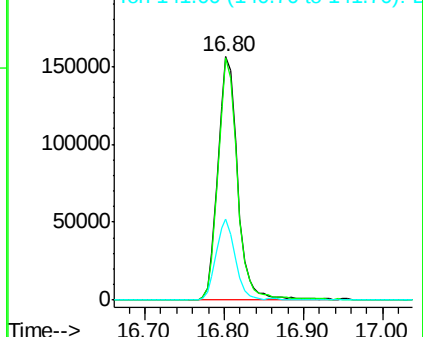


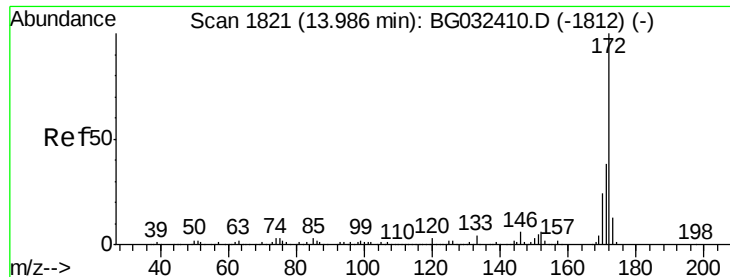
Abundance

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

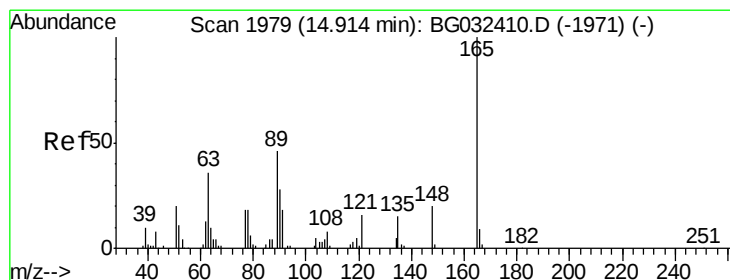
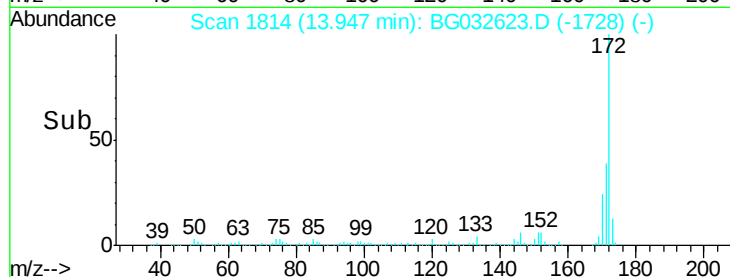
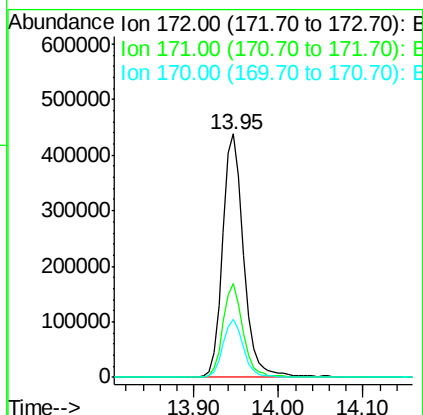
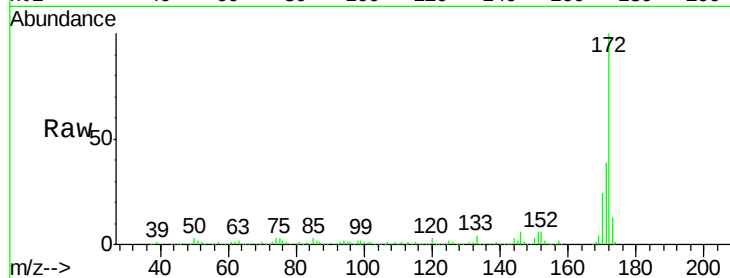




#44
2-Fluorobiphenyl
Concen: 90.41 ng
RT: 13.95 min Scan# 1814
Delta R.T. -0.02 min
Lab File: BG032623.D
Acq: 8 Feb 2018 23:04

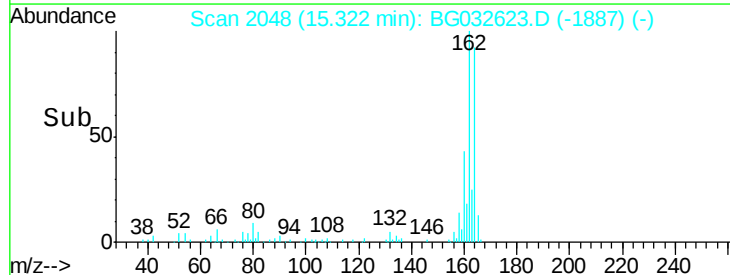
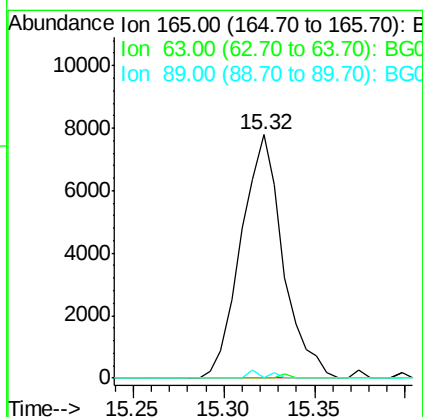
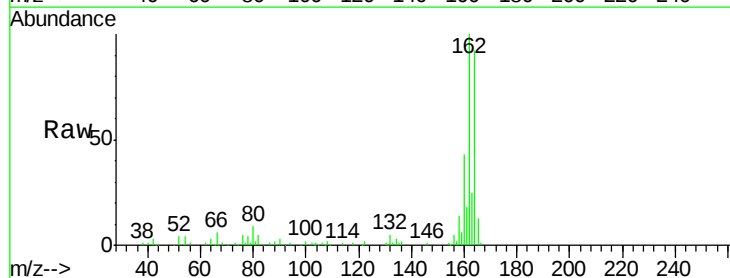
Instrument :
BNA_G
ClientSampleId :

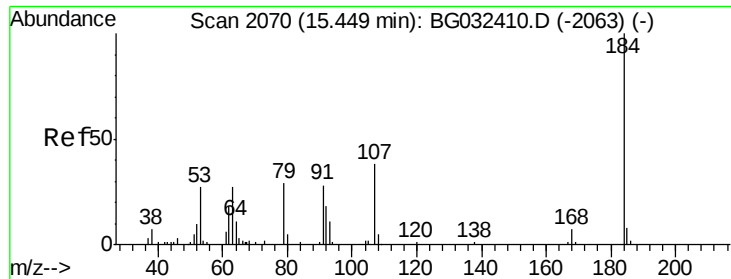
Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.0	45.0
170	24.0	19.5	29.3



#50
2,6-Dinitrotoluene
Concen: 6.52 ng
RT: 15.32 min Scan# 2048
Delta R.T. 0.42 min
Lab File: BG032623.D
Acq: 8 Feb 2018 23:04

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

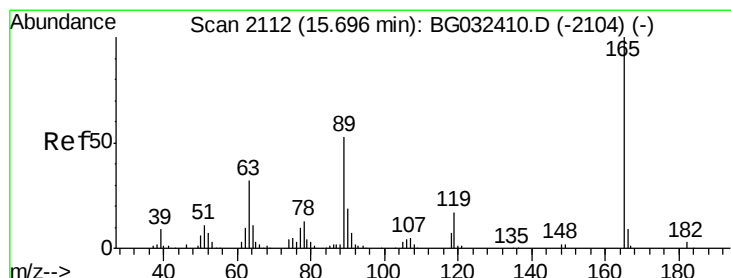
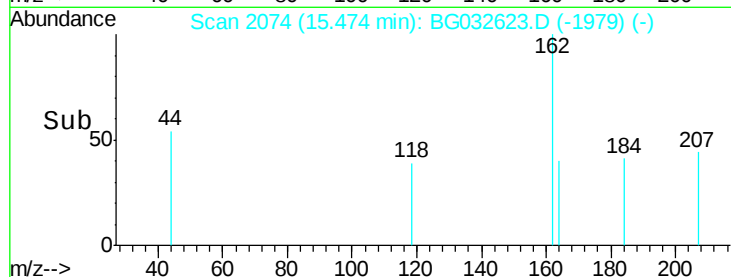
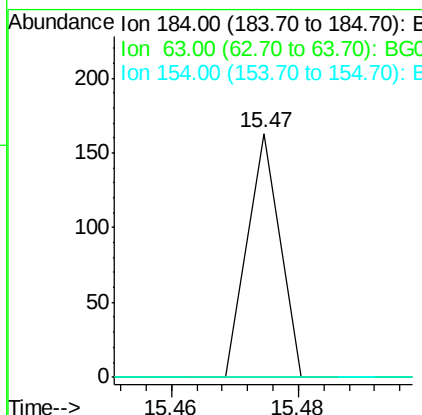
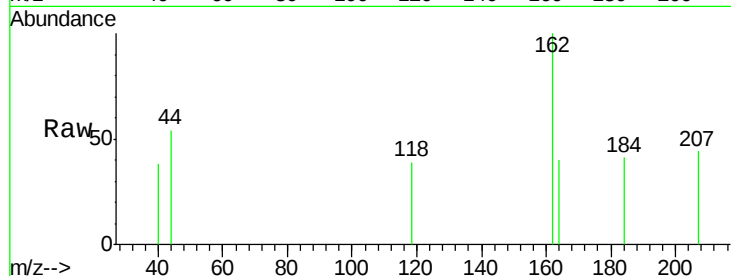




#53
 2,4-Dinitrophenol
 Concen: 4.15 ng
 RT: 15.47 min Scan# 2074
 Delta R.T. 0.03 min
 Lab File: BG032623.D
 Acq: 8 Feb 2018 23:04

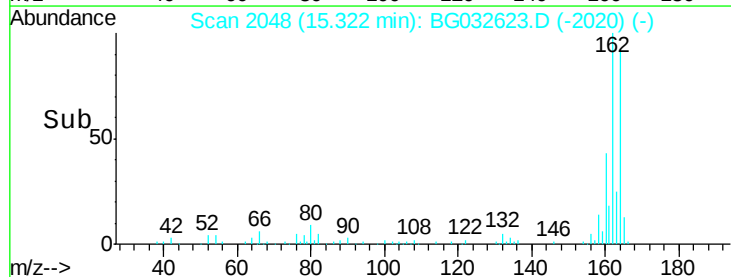
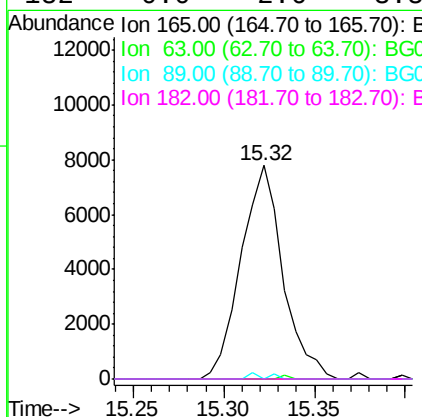
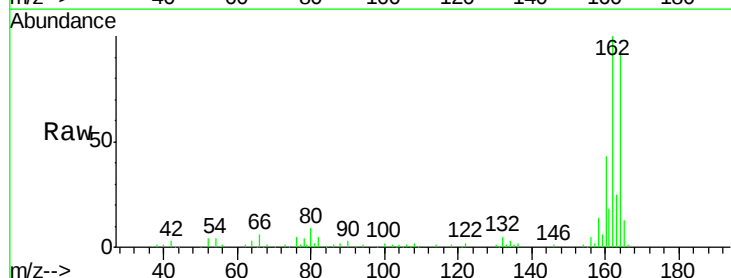
Instrument :
 BNA_G
 ClientSampled :

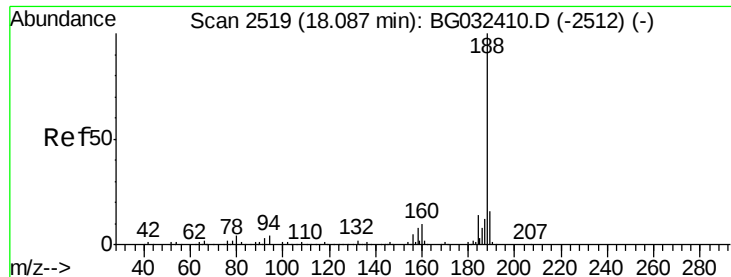
Tot Ion:184 Resp: 57
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.58 ng
 RT: 15.32 min Scan# 2048
 Delta R.T. -0.36 min
 Lab File: BG032623.D
 Acq: 8 Feb 2018 23:04

Tgt Ion:165 Resp: 12550
 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#





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 18.06 min Scan# 2514

Delta R.T. -0.02 min

Lab File: BG032623.D

Acq: 8 Feb 2018 23:04

Instrument :

BNA_G

ClientSampleId :

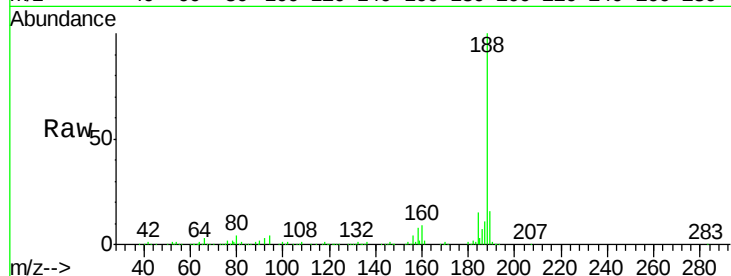
Tot Ion:188 Resp: 284583

Ion Ratio Lower Upper

188 100

94 3.8 6.9 10.3#

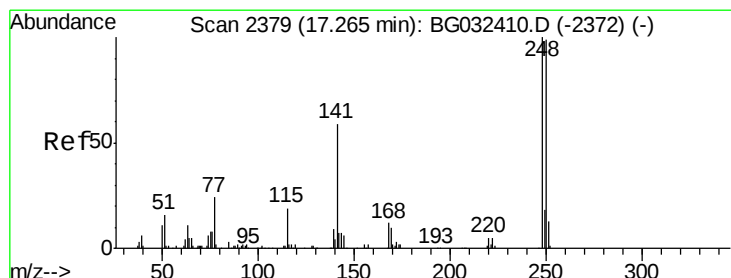
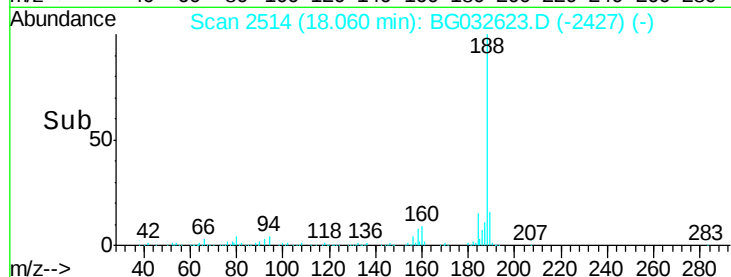
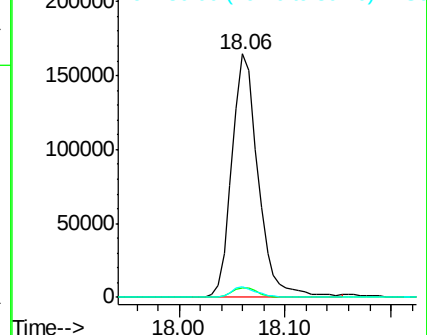
80 4.3 7.7 11.5#



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: 5.63 ng

RT: 16.80 min Scan# 2300

Delta R.T. -0.45 min

Lab File: BG032623.D

Acq: 8 Feb 2018 23:04

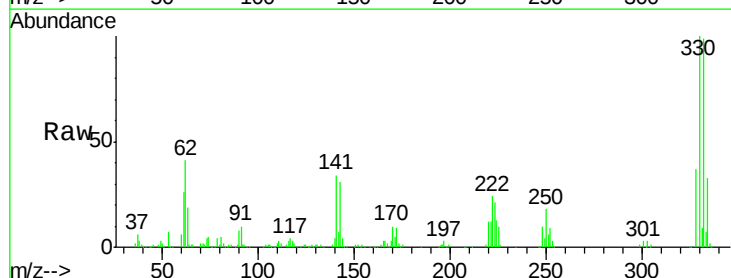
Tgt Ion:248 Resp: 23742

Ion Ratio Lower Upper

248 100

250 184.8 77.1 115.7#

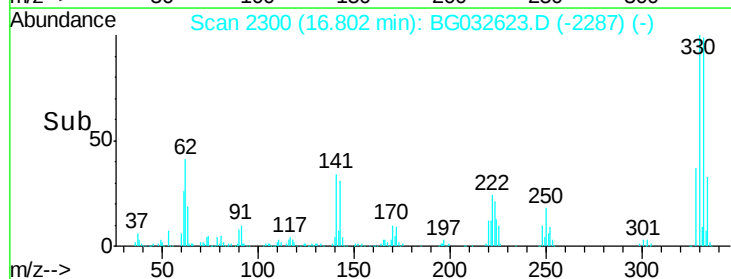
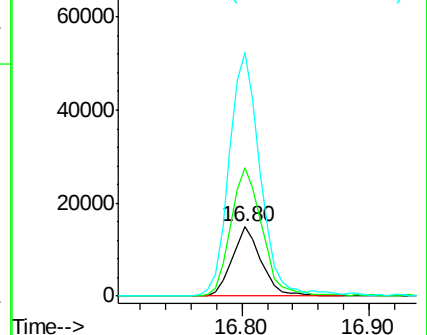
141 350.6 50.8 76.2#

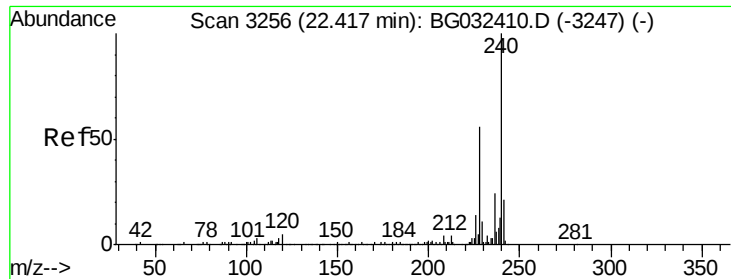


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.39 min Scan# 3251

Delta R.T. -0.02 min

Lab File: BG032623.D

Acq: 8 Feb 2018 23:04

Instrument :

BNA_G

ClientSampleId :

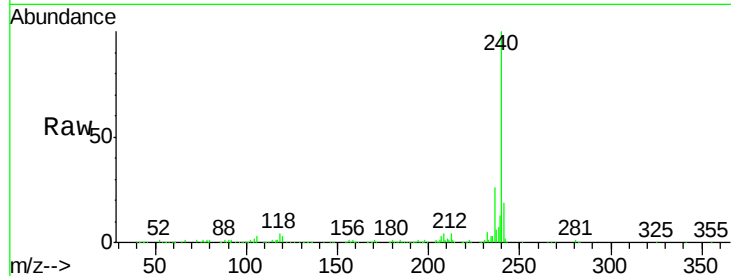
Tot Ion:240 Resp: 323812

Ion Ratio Lower Upper

240 100

120 3.4 6.8 10.2#

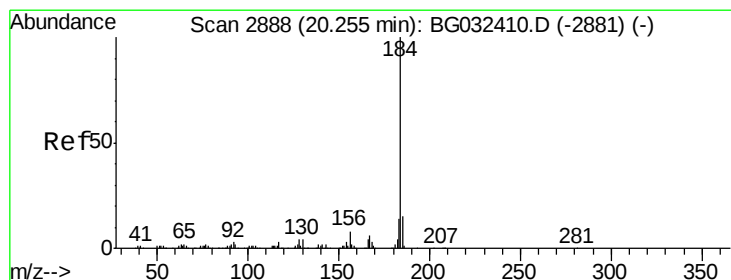
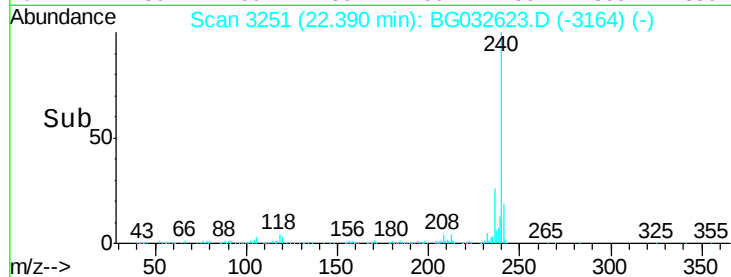
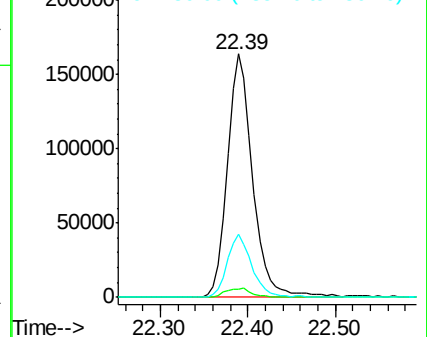
236 25.9 20.9 31.3



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: 3.75 ng

RT: 20.60 min Scan# 2947

Delta R.T. 0.36 min

Lab File: BG032623.D

Acq: 8 Feb 2018 23:04

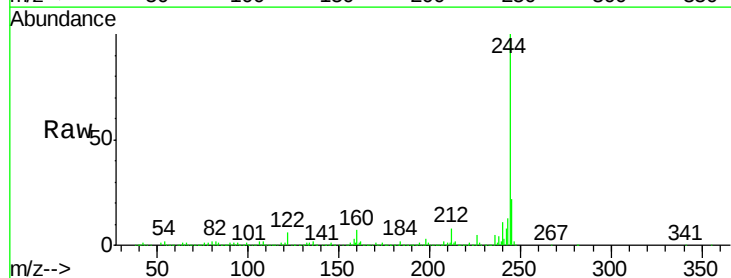
Tgt Ion:184 Resp: 23849

Ion Ratio Lower Upper

184 100

185 18.0 11.1 16.7#

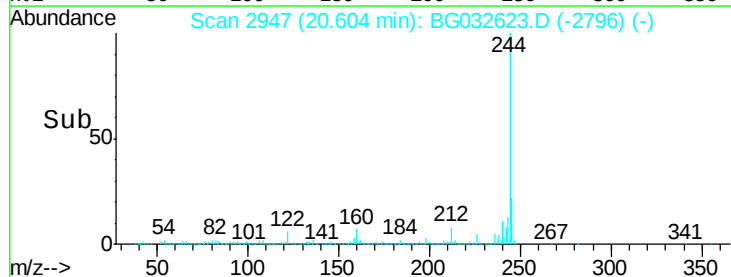
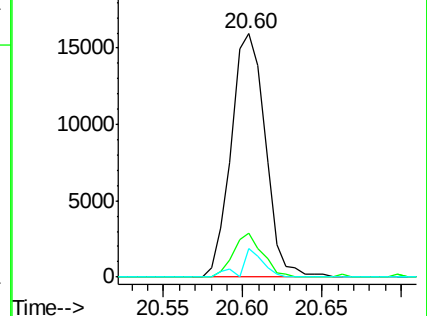
183 11.6 10.6 16.0

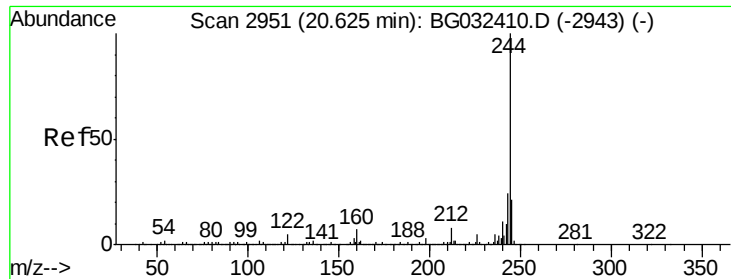


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 96.69 ng

RT: 20.60 min Scan# 2947

Delta R.T. -0.01 min

Lab File: BG032623.D

Acq: 8 Feb 2018 23:04

Instrument :

BNA_G

ClientSampleId :

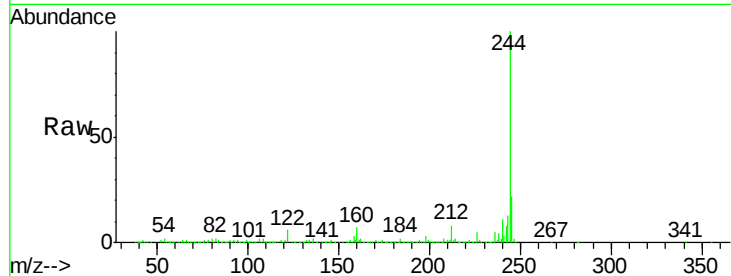
Tot Ion:244 Resp: 1461578

Ion Ratio Lower Upper

244 100

212 8.2 5.8 8.8

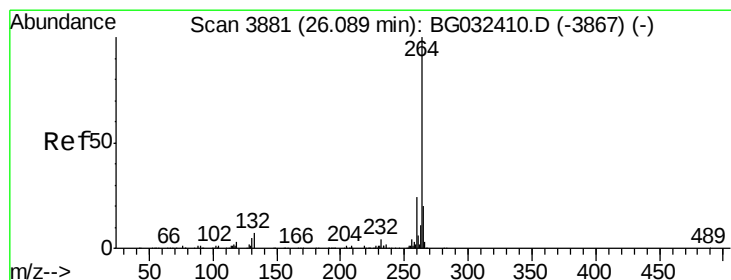
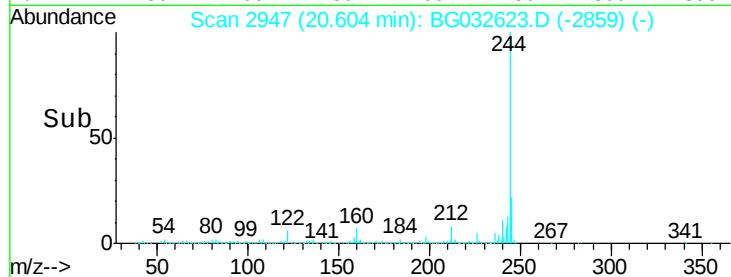
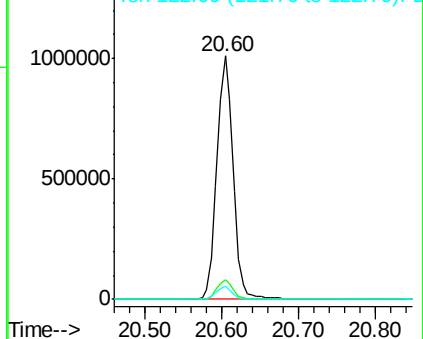
122 5.5 7.0 10.4#



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

Perylene-d12

Concen: 20.00 ng

RT: 26.06 min Scan# 3876

Delta R.T. -0.00 min

Lab File: BG032623.D

Acq: 8 Feb 2018 23:04

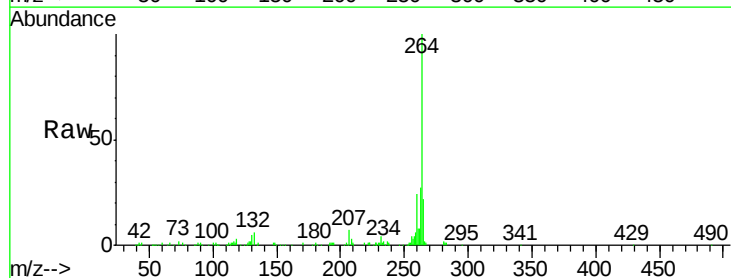
Tgt Ion:264 Resp: 246050

Ion Ratio Lower Upper

264 100

260 24.2 17.4 26.0

265 21.8 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

