

Data Path : Z:\HPCHEM1\BNA G\DATA\BG020818\
 Data File : BG032616.D
 Acq On : 8 Feb 2018 18:41
 Operator : SJ/JU
 Sample : J1473-12
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 09 02:36:03 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

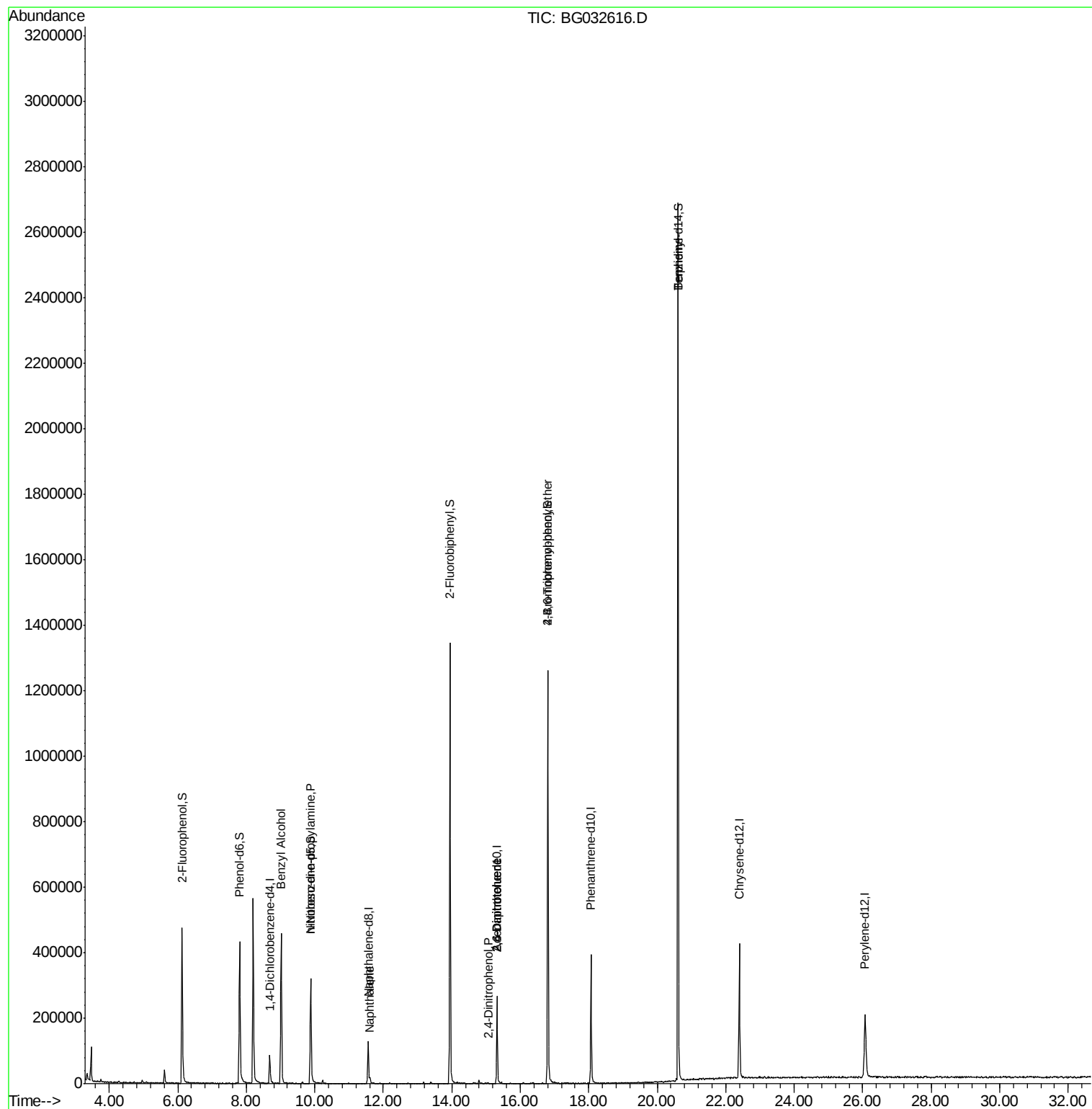
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.68	152	31168	20.00	ng	-0.03
21) Naphthalene-d8	11.56	136	132843	20.00	ng	-0.02
38) Acenaphthene-d10	15.32	164	106485	20.00	ng	-0.02
63) Phenanthrene-d10	18.06	188	297514	20.00	ng	-0.01
75) Chrysene-d12	22.39	240	331316	20.00	ng	-0.01
86) Perylene-d12	26.07	264	262601	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.13	112	244825	157.77	ng	-0.02
7) Phenol-d6	7.81	99	278926	134.70	ng	-0.02
23) Nitrobenzene-d5	9.88	82	225584	106.07	ng	-0.03
41) 2,4,6-Tribromophenol	16.81	330	296057	146.06	ng	-0.01
44) 2-Fluorobiphenyl	13.95	172	817467	91.24	ng	-0.02
78) Terphenyl-d14	20.61	244	1526484	98.69	ng	0.00
Target Compounds						
15) Benzyl Alcohol	9.02	79	4126	2.42	ng	# 45
19) n-Nitroso-di-n-propylamine	9.88	70	32581	23.73	ng	# 82
31) Naphthalene	11.61	128	14257	2.20	ng	# 98
50) 2,6-Dinitrotoluene	15.32	165	13859	6.73	ng	# 20
53) 2,4-Dinitrophenol	15.07	184	55	4.14	ng	# 1
56) 2,4-Dinitrotoluene	15.32	165	13859	4.72	ng	# 18
66) 4-Bromophenyl-phenylether	16.81	248	26394	5.99	ng	# 1
76) Benzidine	20.60	184	23941	3.68	ng	# 93

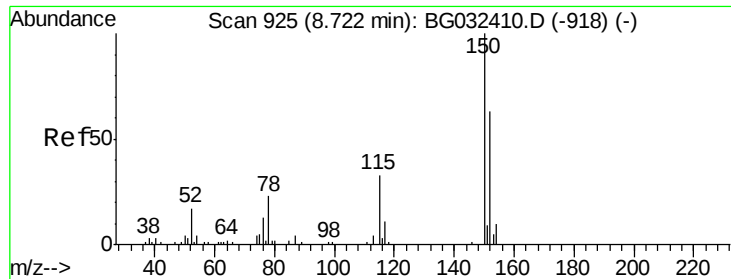
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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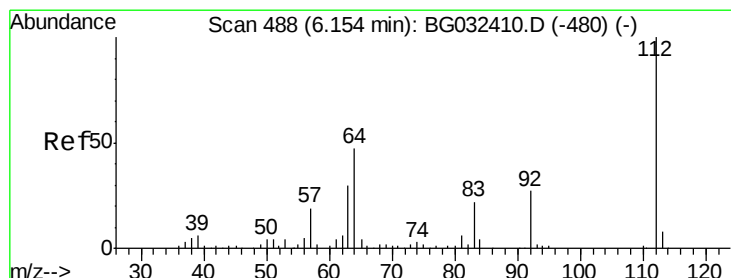
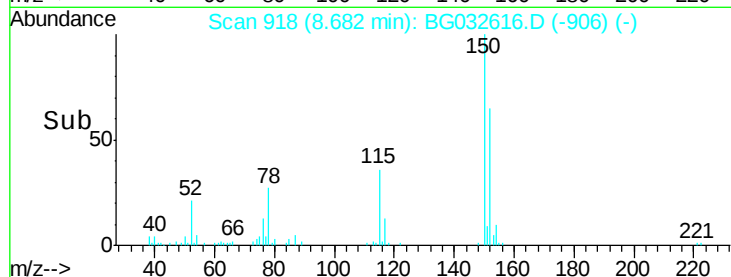
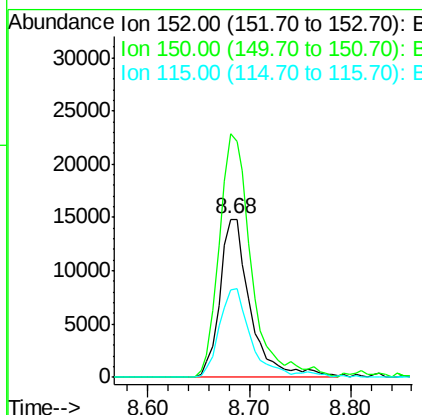
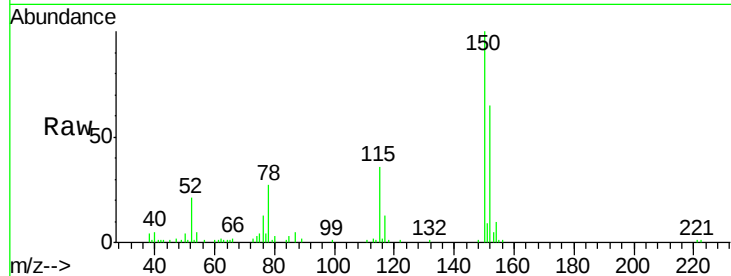


#1

1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 8.68 min Scan# 918
Delta R.T. -0.03 min
Lab File: BG032616.D
Acq: 8 Feb 2018 18:41

Instrument :
BNA_G
ClientSampleId :

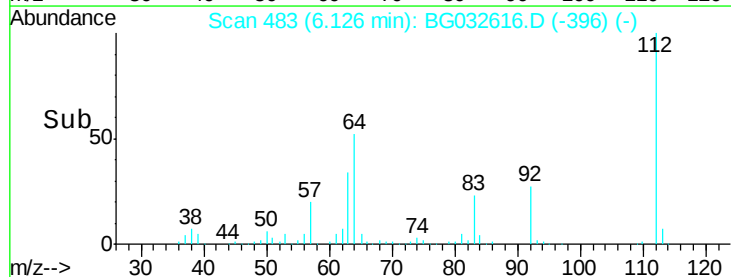
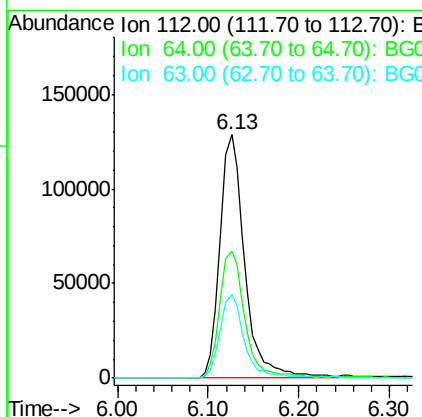
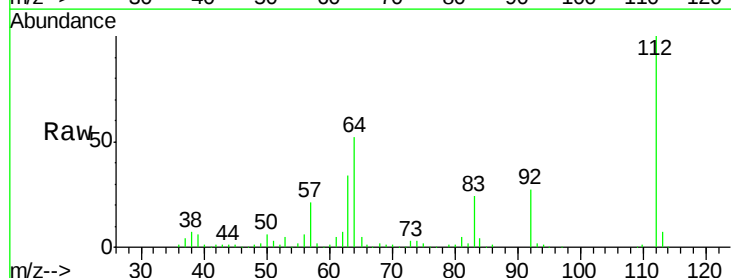
Tot Ion:152 Resp: 31168
Ion Ratio Lower Upper
152 100
150 153.6 126.6 189.8
115 55.6 53.0 79.4

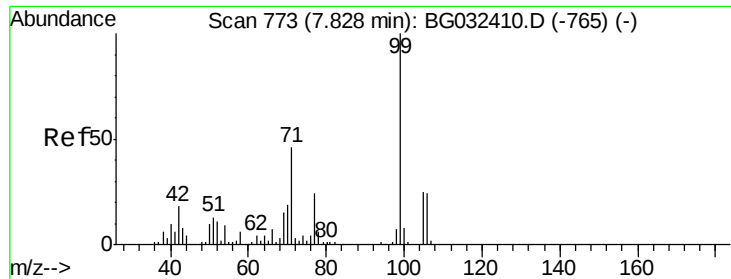


#5

2-Fluorophenol
Concen: 157.77 ng
RT: 6.13 min Scan# 483
Delta R.T. -0.02 min
Lab File: BG032616.D
Acq: 8 Feb 2018 18:41

Tgt Ion:112 Resp: 244825
Ion Ratio Lower Upper
112 100
64 52.4 56.3 84.5#
63 34.3 30.1 45.1





#7

Phenol-d6

Concen: 134.70 ng

RT: 7.81 min Scan# 769

Delta R.T. -0.02 min

Lab File: BG032616.D

Acq: 8 Feb 2018 18:41

Instrument :

BNA_G

ClientSampleId :

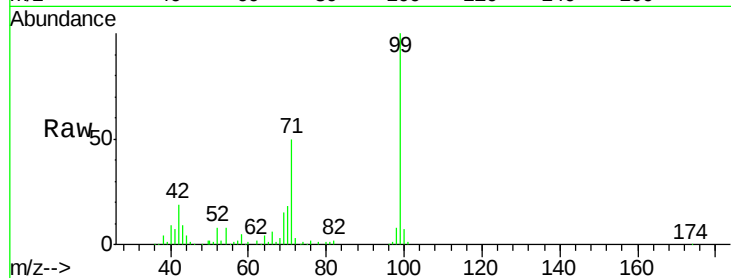
Tot Ion: 99 Resp: 278926

Ion Ratio Lower Upper

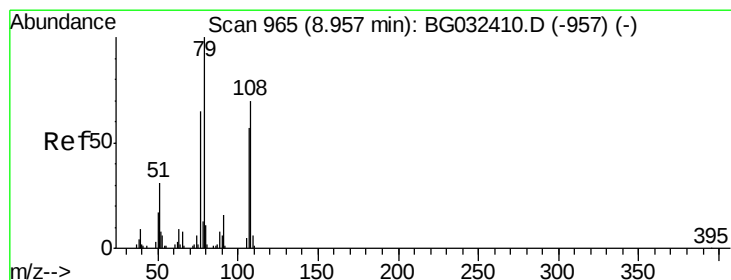
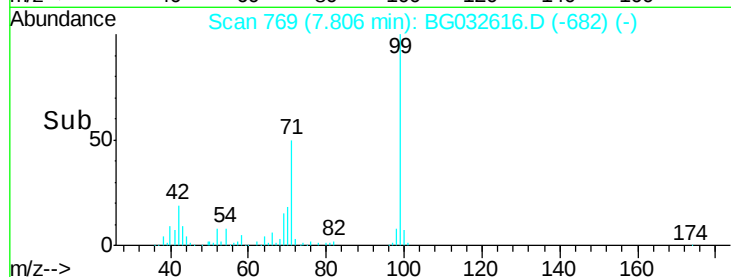
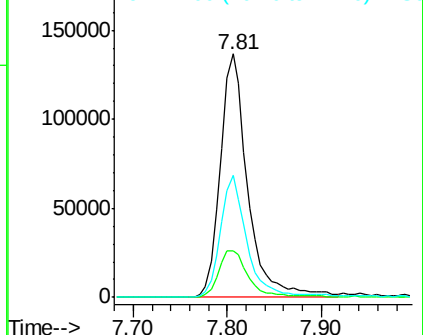
99 100

42 19.0 14.1 21.1

71 49.9 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: 2.42 ng

RT: 9.02 min Scan# 976

Delta R.T. 0.08 min

Lab File: BG032616.D

Acq: 8 Feb 2018 18:41

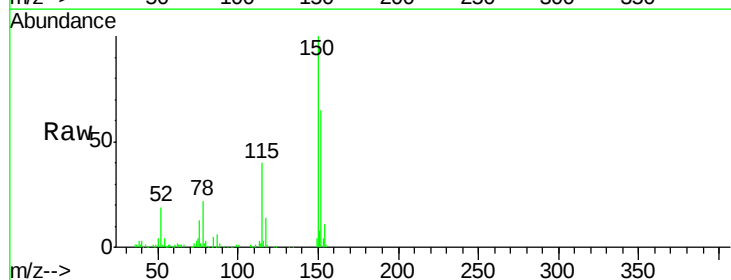
Tgt Ion: 79 Resp: 4126

Ion Ratio Lower Upper

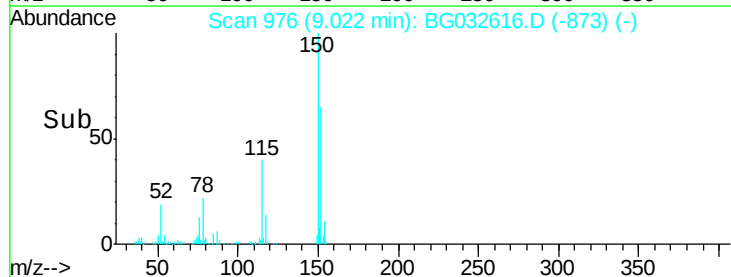
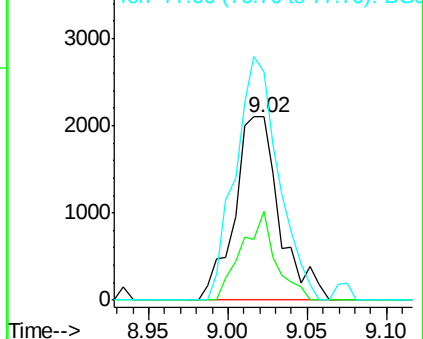
79 100

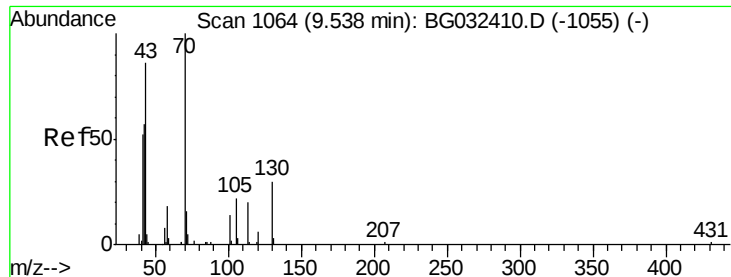
108 48.7 57.2 85.8#

77 124.3 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

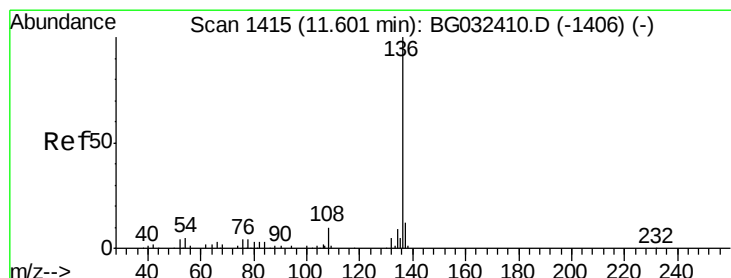
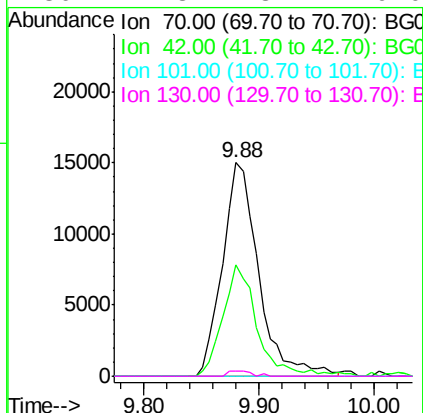
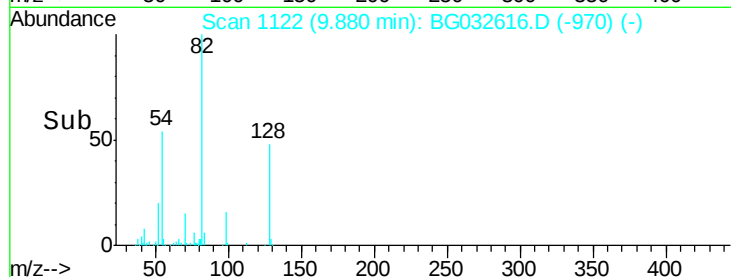
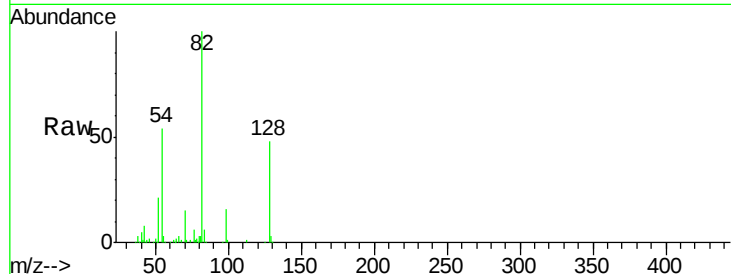




#19
n-Nitroso-di-n-propylamine
Concen: 23.73 ng
RT: 9.88 min Scan# 1122
Delta R.T. 0.36 min
Lab File: BG032616.D
Acq: 8 Feb 2018 18:41

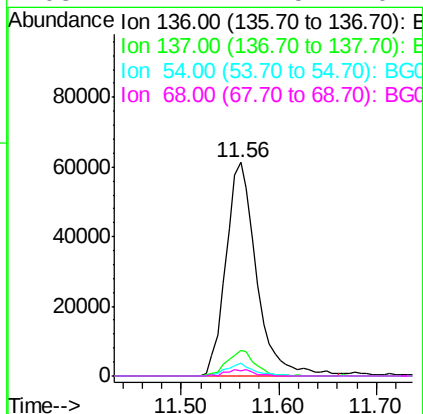
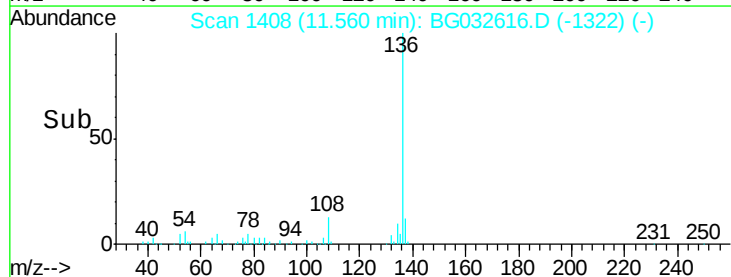
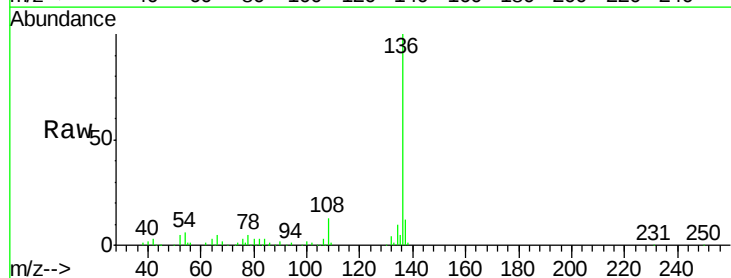
Instrument :
BNA_G
ClientSampleId :

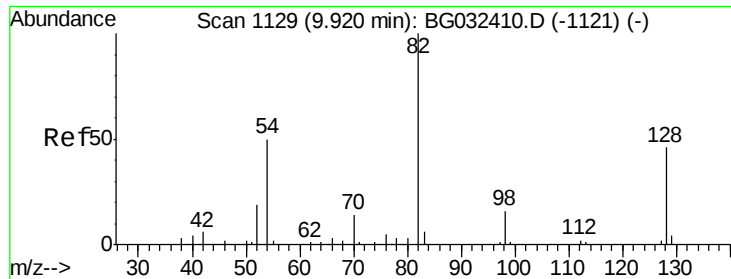
Tot Ion: 70 Resp: 32581
Ion Ratio Lower Upper
70 100
42 52.1 49.1 73.7
101 0.0 8.5 12.7#
130 2.3 13.4 20.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 11.56 min Scan# 1408
Delta R.T. -0.02 min
Lab File: BG032616.D
Acq: 8 Feb 2018 18:41

Tgt Ion: 136 Resp: 132843
Ion Ratio Lower Upper
136 100
137 11.8 9.2 13.8
54 5.8 10.3 15.5#
68 2.4 4.5 6.7#

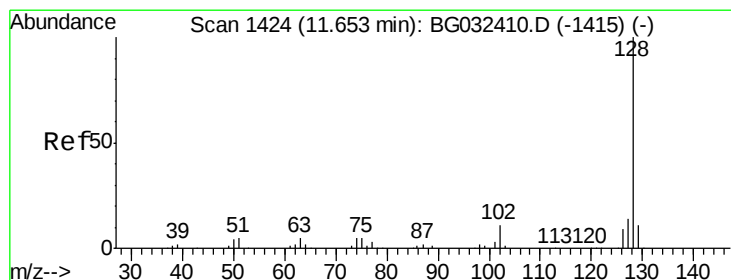
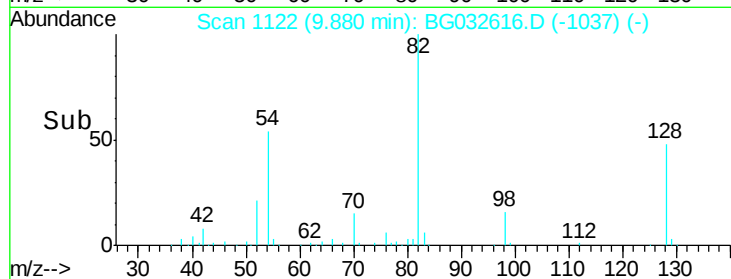
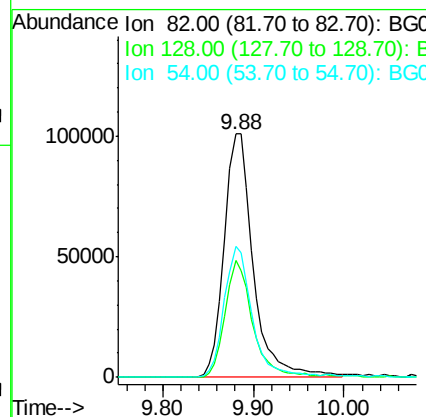
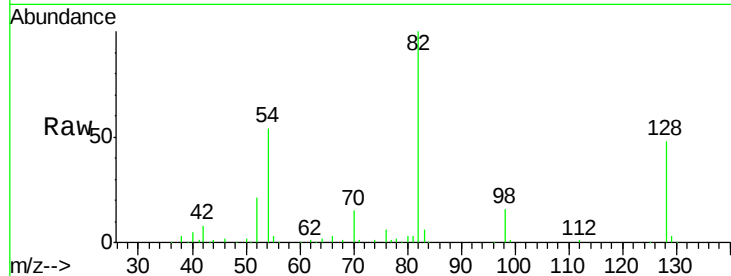




#23
 Nitrobenzene-d5
 Concen: 106.07 ng
 RT: 9.88 min Scan# 1122
 Delta R.T. -0.03 min
 Lab File: BG032616.D
 Acq: 8 Feb 2018 18:41

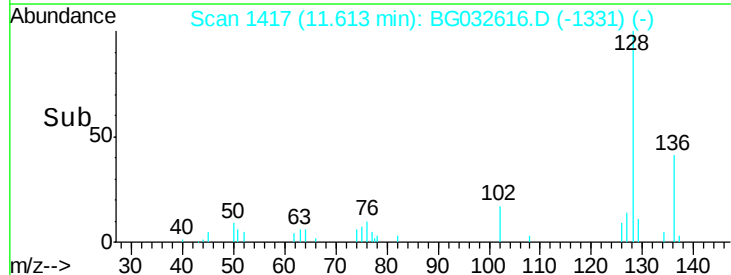
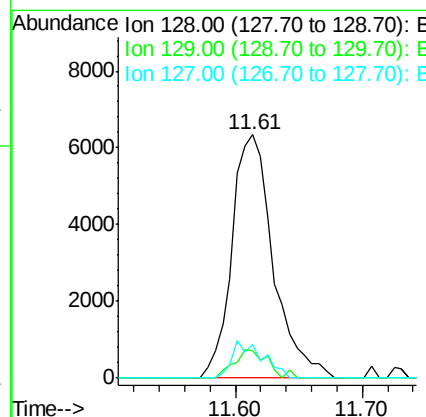
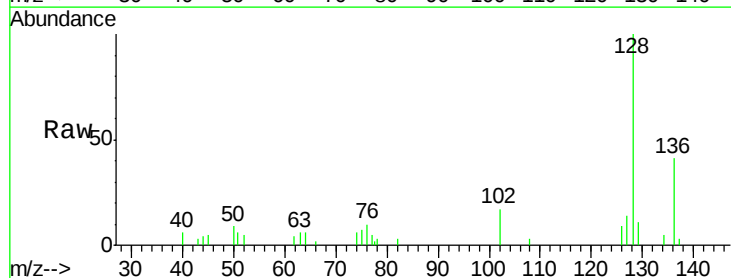
Instrument :
 BNA_G
 ClientSampled :

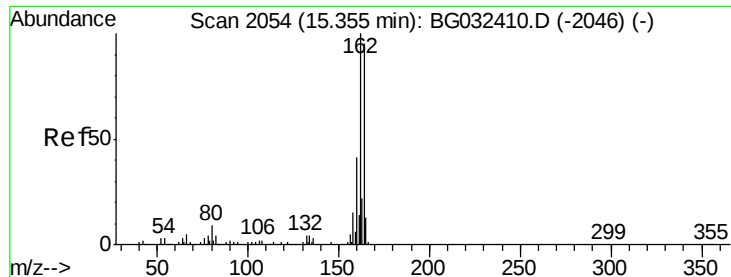
Tot Ion: 82 Resp: 22584
 Ion Ratio Lower Upper
 82 100
 128 48.0 29.7 44.5#
 54 53.8 43.1 64.7



#31
 Naphthalene
 Concen: 2.20 ng
 RT: 11.61 min Scan# 1417
 Delta R.T. -0.02 min
 Lab File: BG032616.D
 Acq: 8 Feb 2018 18:41

Tgt Ion: 128 Resp: 14257
 Ion Ratio Lower Upper
 128 100
 129 11.4 8.6 12.8
 127 13.6 11.6 17.4





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 15.32 min Scan# 2048

Delta R.T. -0.02 min

Lab File: BG032616.D

Acq: 8 Feb 2018 18:41

Instrument :

BNA_G

ClientSampleId :

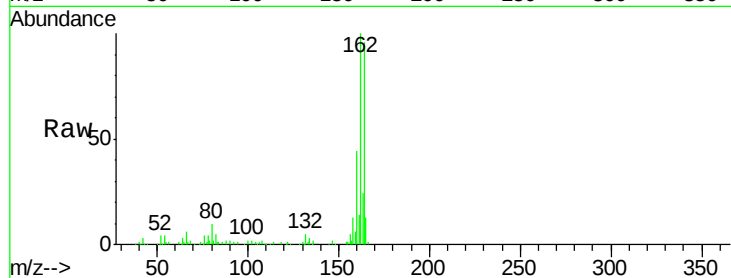
Tot Ion:164 Resp: 106485

Ion Ratio Lower Upper

164 100

162 104.7 78.8 118.2

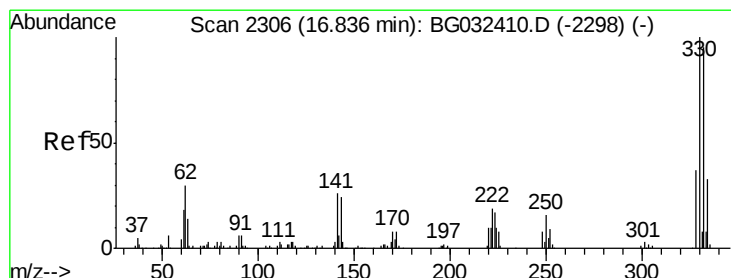
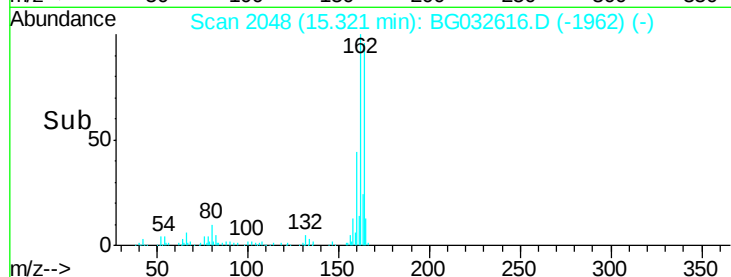
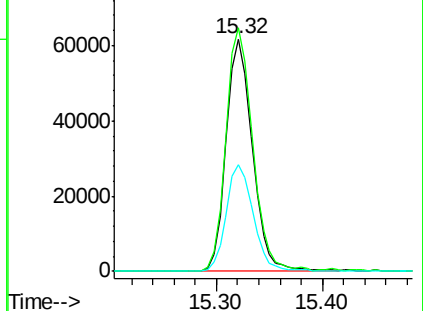
160 46.1 35.4 53.0



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: 146.06 ng

RT: 16.81 min Scan# 2301

Delta R.T. -0.01 min

Lab File: BG032616.D

Acq: 8 Feb 2018 18:41

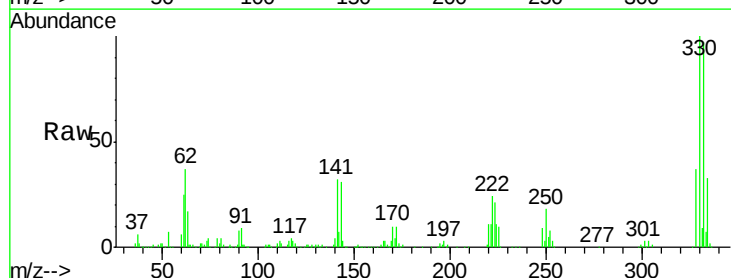
Tgt Ion:330 Resp: 296057

Ion Ratio Lower Upper

330 100

332 95.4 77.0 115.6

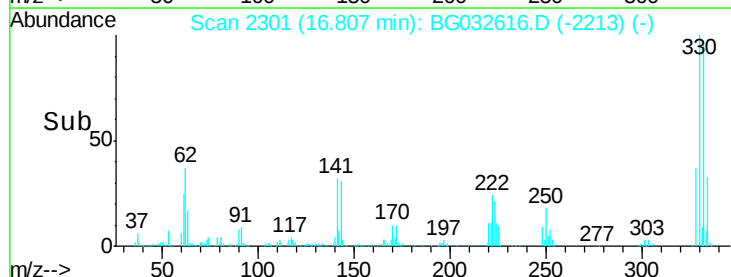
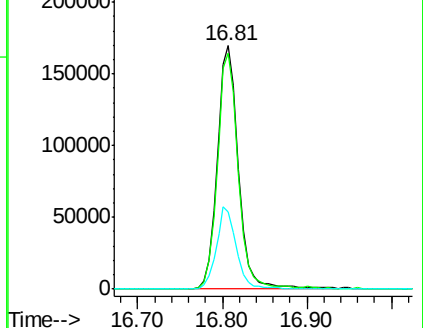
141 32.1 25.2 37.8

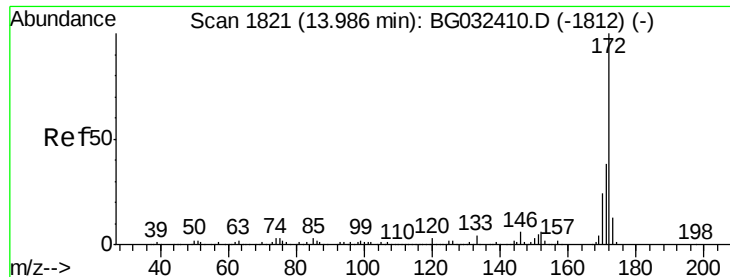


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

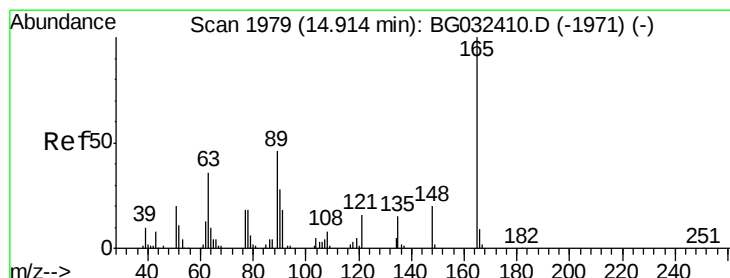
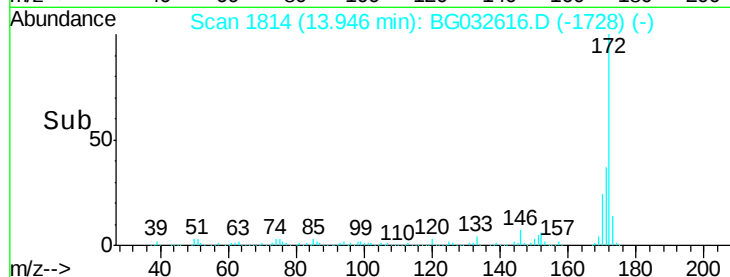
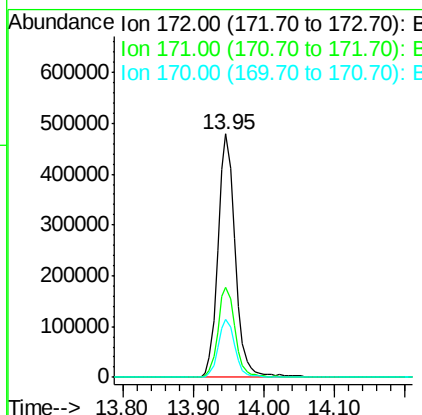
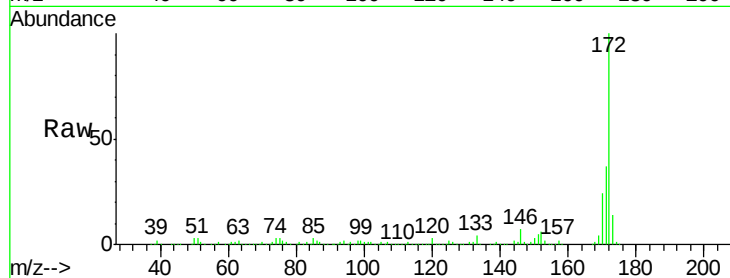




#44
2-Fluorobiphenyl
Concen: 91.24 ng
RT: 13.95 min Scan# 1814
Delta R.T. -0.02 min
Lab File: BG032616.D
Acq: 8 Feb 2018 18:41

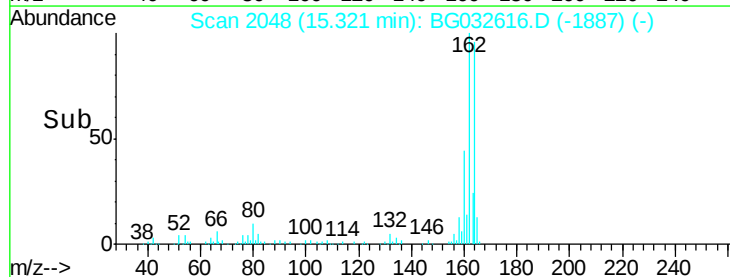
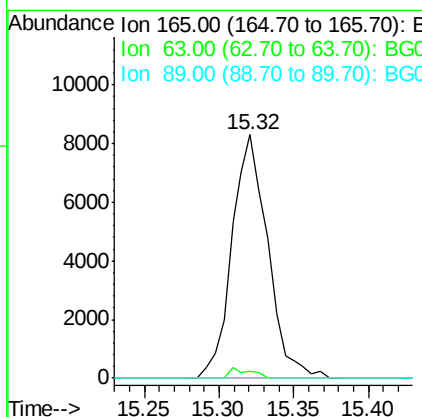
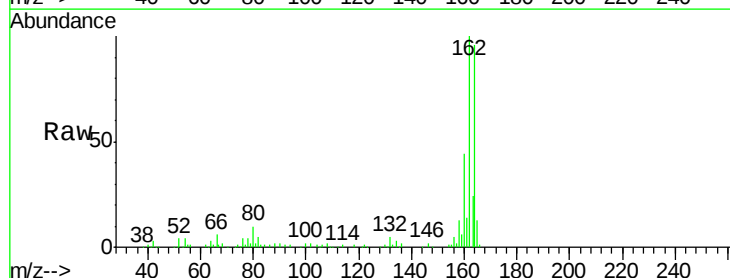
Instrument :
BNA_G
ClientSampleId :

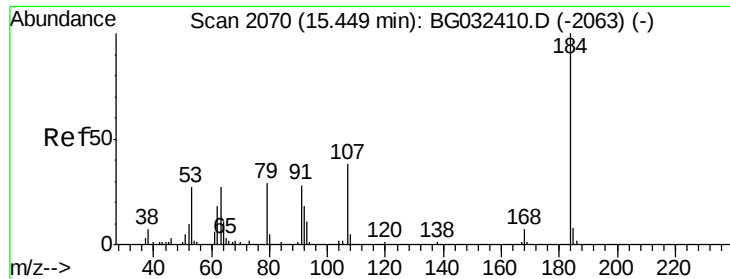
Tot Ion:172 Resp: 817467
Ion Ratio Lower Upper
172 100
171 37.2 30.0 45.0
170 23.8 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 6.73 ng
RT: 15.32 min Scan# 2048
Delta R.T. 0.42 min
Lab File: BG032616.D
Acq: 8 Feb 2018 18:41

Tgt Ion:165 Resp: 13859
Ion Ratio Lower Upper
165 100
63 3.1 52.7 79.1#
89 0.0 49.2 73.8#

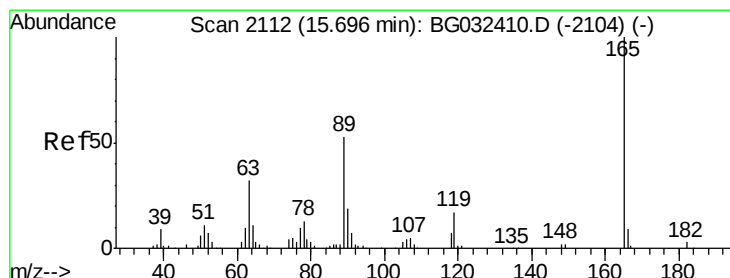
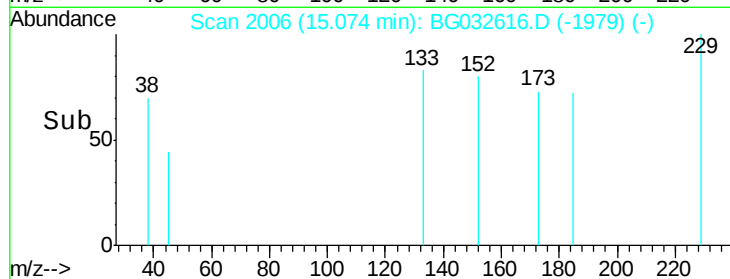
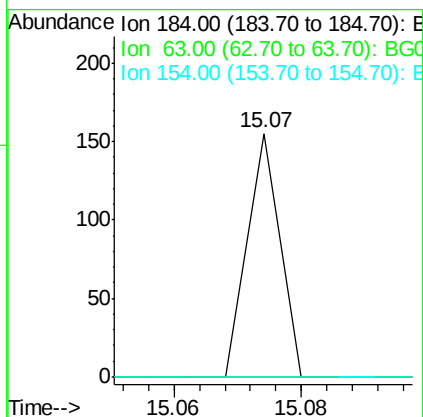
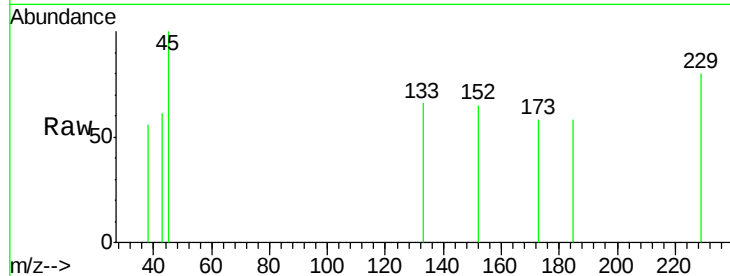




#53
 2,4-Dinitrophenol
 Concen: 4.14 ng
 RT: 15.07 min Scan# 2006
 Delta R.T. -0.37 min
 Lab File: BG032616.D
 Acq: 8 Feb 2018 18:41

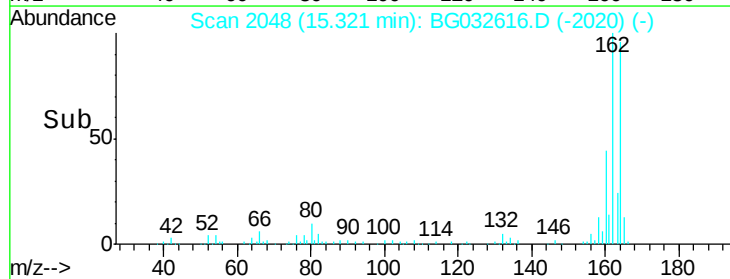
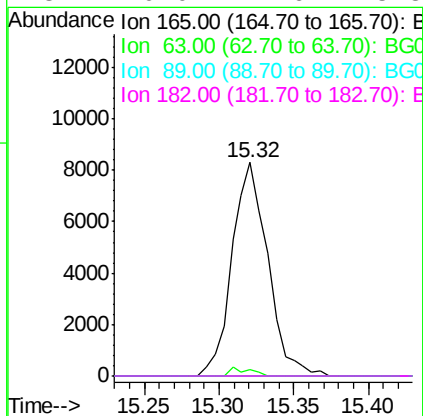
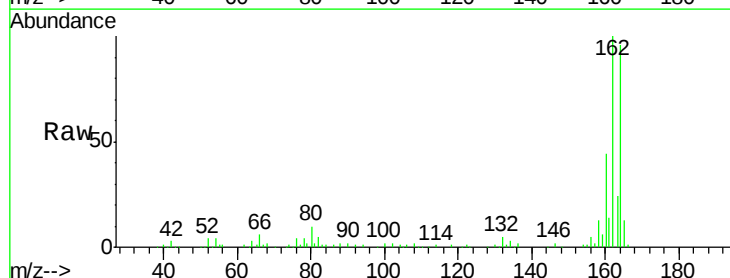
Instrument :
 BNA_G
 ClientSampleId :

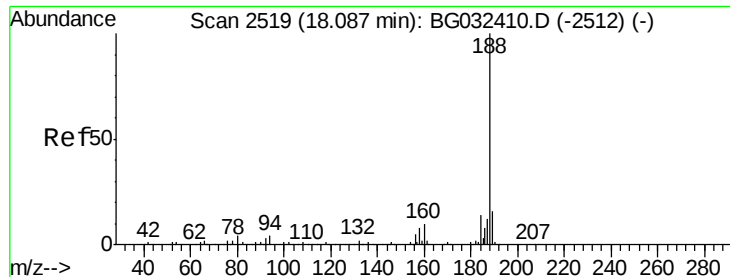
Tot Ion:184 Resp: 55
 Ion Ratio Lower Upper
 184 100
 63 0.0 59.8 89.8#
 154 0.0 101.8 152.8#



#56
 2,4-Dinitrotoluene
 Concen: 4.72 ng
 RT: 15.32 min Scan# 2048
 Delta R.T. -0.36 min
 Lab File: BG032616.D
 Acq: 8 Feb 2018 18:41

Tgt Ion:165 Resp: 13859
 Ion Ratio Lower Upper
 165 100
 63 3.1 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

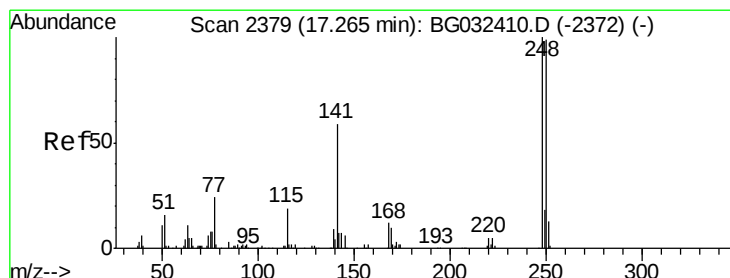
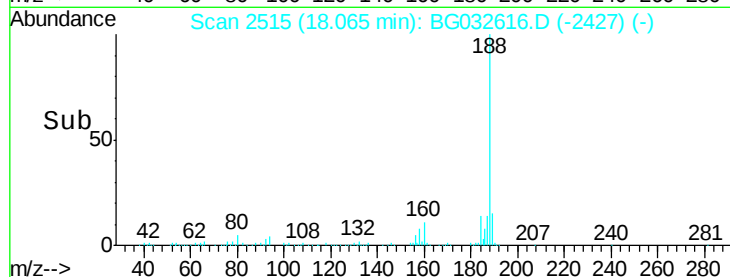
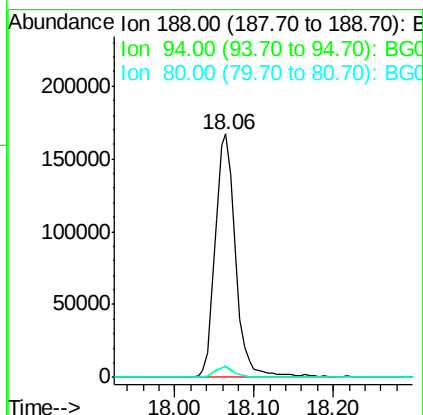
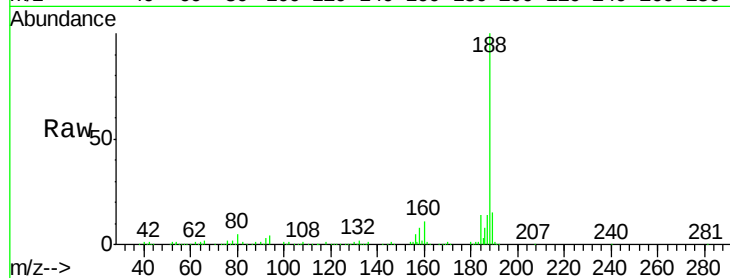




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 18.06 min Scan# 2515
Delta R.T. -0.01 min
Lab File: BG032616.D
Acq: 8 Feb 2018 18:41

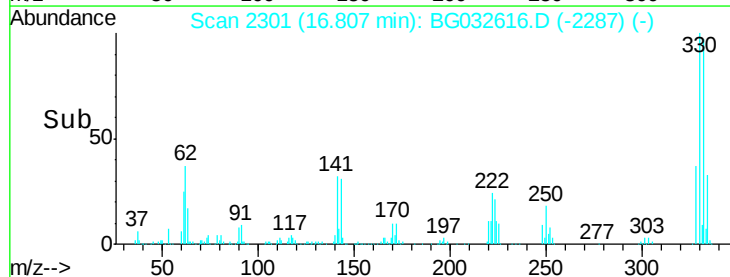
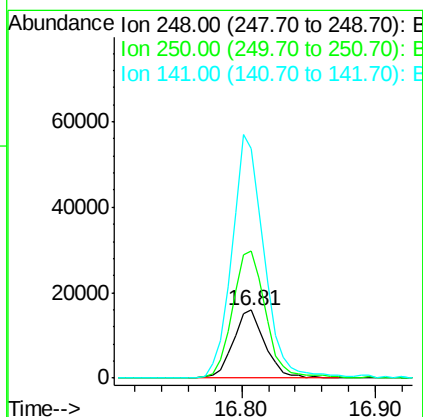
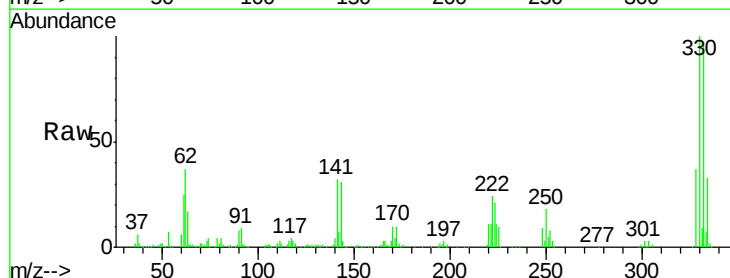
Instrument :
BNA_G
ClientSampleId :

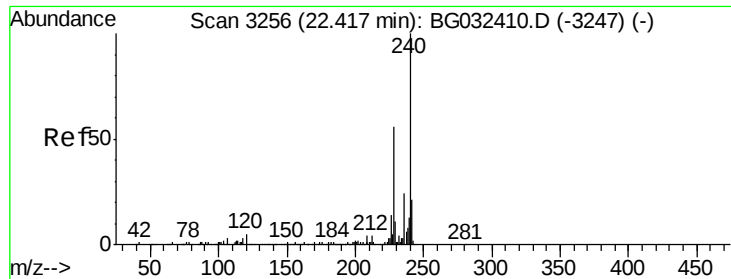
Tot Ion:188 Resp: 297514
Ion Ratio Lower Upper
188 100
94 4.2 6.9 10.3#
80 5.1 7.7 11.5#



#66
4-Bromophenyl-phenylether
Concen: 5.99 ng
RT: 16.81 min Scan# 2301
Delta R.T. -0.45 min
Lab File: BG032616.D
Acq: 8 Feb 2018 18:41

Tgt Ion:248 Resp: 26394
Ion Ratio Lower Upper
248 100
250 187.3 77.1 115.7#
141 338.2 50.8 76.2#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 22.39 min Scan# 3252

Delta R.T. -0.01 min

Lab File: BG032616.D

Acq: 8 Feb 2018 18:41

Instrument :

BNA_G

ClientSampleId :

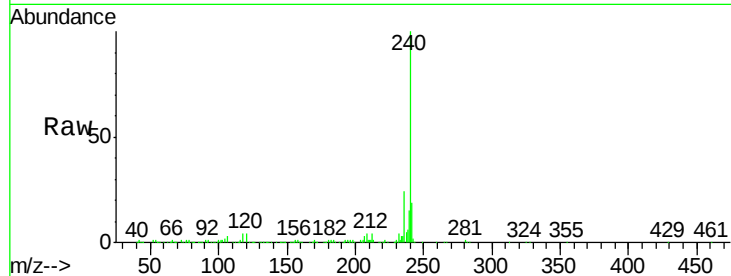
Tot Ion:240 Resp: 331316

Ion Ratio Lower Upper

240 100

120 3.7 6.8 10.2#

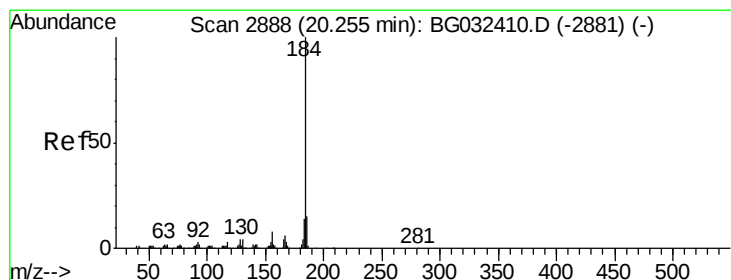
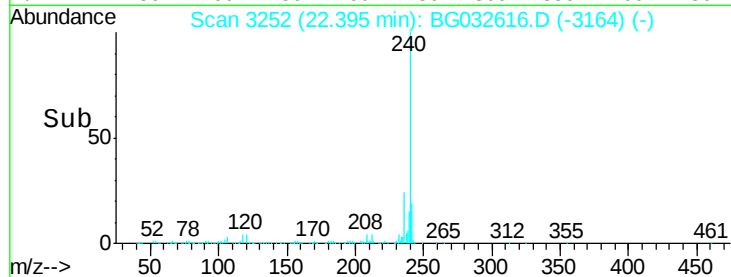
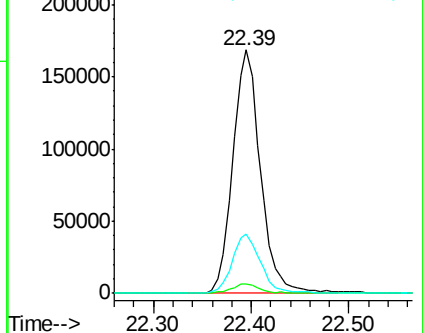
236 24.4 20.9 31.3



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: 3.68 ng

RT: 20.60 min Scan# 2947

Delta R.T. 0.36 min

Lab File: BG032616.D

Acq: 8 Feb 2018 18:41

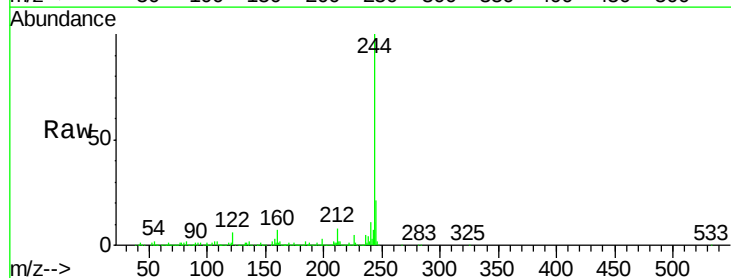
Tgt Ion:184 Resp: 23941

Ion Ratio Lower Upper

184 100

185 15.7 11.1 16.7

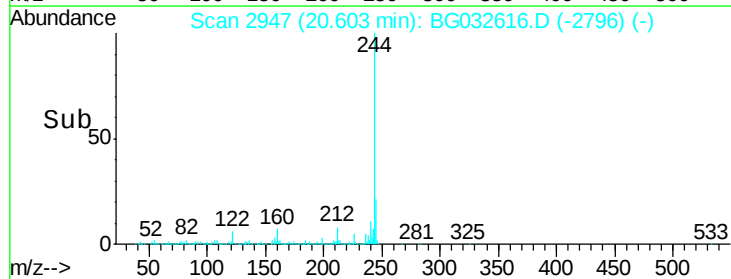
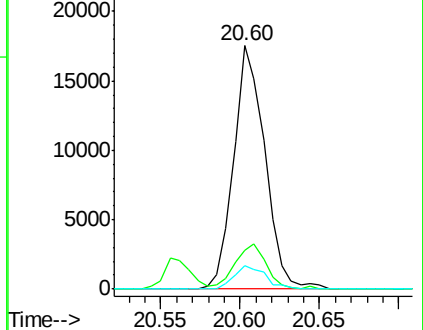
183 9.5 10.6 16.0#

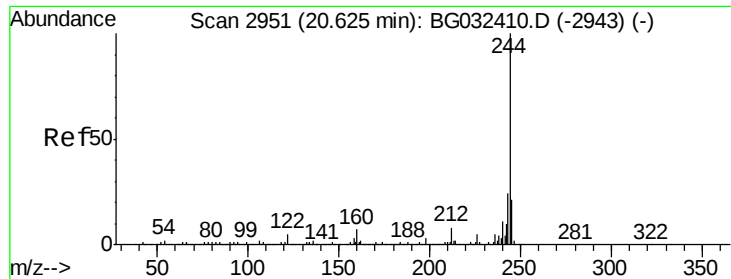


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

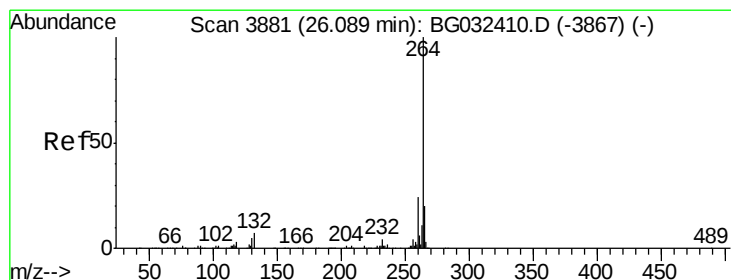
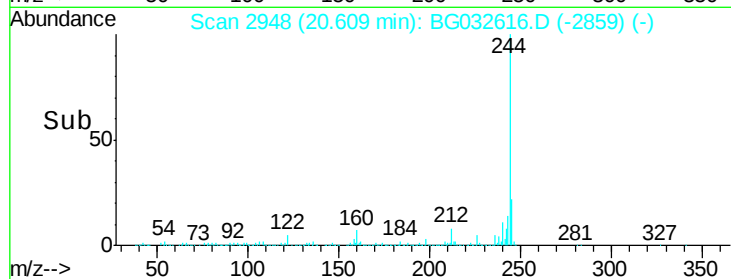
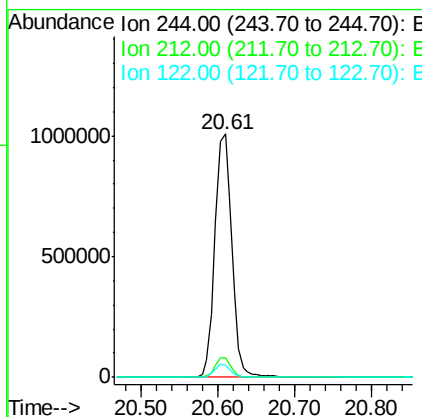
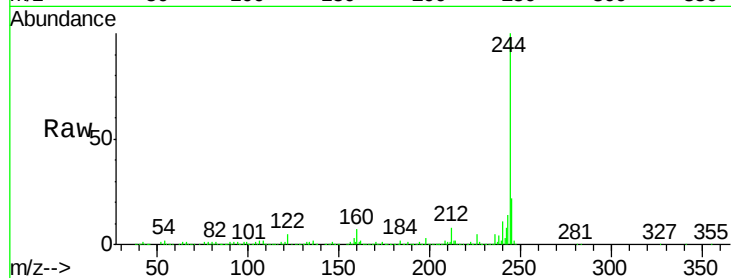




#78
 Terphenyl-d14
 Concen: 98.69 ng
 RT: 20.61 min Scan# 2948
 Delta R.T. -0.01 min
 Lab File: BG032616.D
 Acq: 8 Feb 2018 18:41

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:244 Resp: 1526484
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.8 8.8
 122 5.0 7.0 10.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 26.07 min Scan# 3877
 Delta R.T. 0.00 min
 Lab File: BG032616.D
 Acq: 8 Feb 2018 18:41

Tgt Ion:264 Resp: 262601
 Ion Ratio Lower Upper
 264 100
 260 22.6 17.4 26.0
 265 22.4 17.7 26.5

