

Data Path : U:\HPCHEM1\BNA G\DATA\BG013118\
 Data File : BG032480.D
 Acq On : 1 Feb 2018 1:32
 Operator : SJ/JU
 Sample : J1386-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 01 04:37:32 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	24025	20.00	ng	0.00
21) Naphthalene-d8	11.59	136	96522	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	69518	20.00	ng	0.00
63) Phenanthrene-d10	18.08	188	202444	20.00	ng	0.00
75) Chrysene-d12	22.41	240	278132	20.00	ng	0.00
86) Perylene-d12	26.08	264	296973	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.16	112	177052	148.02	ng	0.00
7) Phenol-d6	7.83	99	201797	126.43	ng	0.00
23) Nitrobenzene-d5	9.91	82	151578	98.09	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	227262	171.74	ng	0.00
44) 2-Fluorobiphenyl	13.97	172	563257	96.30	ng	-0.02
78) Terphenyl-d14	20.62	244	1353544	104.25	ng	0.00

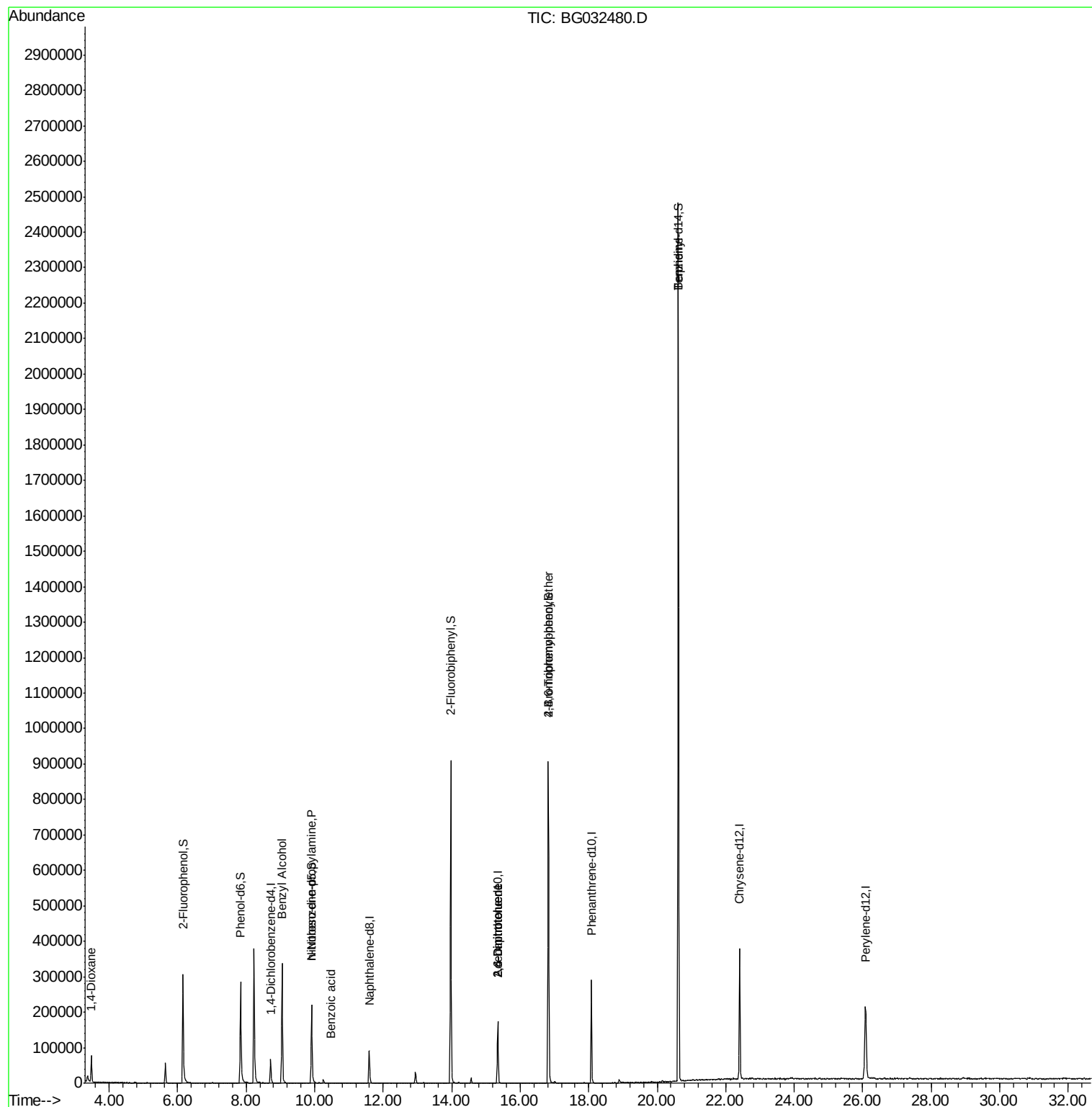
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.48	88	1009	2.507	ng	# 1
15) Benzyl Alcohol	9.05	79	2699	2.052	ng	# 40
19) n-Nitroso-di-n-propylamine	9.91	70	22592	21.347	ng	# 78
32) Benzoic acid	10.47	122	77	7.351	ng	# 1
50) 2,6-Dinitrotoluene	15.35	165	9288	6.904	ng	# 18
56) 2,4-Dinitrotoluene	15.35	165	9288	4.849	ng	# 16
66) 4-Bromophenyl-phenylether	16.83	248	18079	6.028	ng	# 1
76) Benzidine	20.62	184	19720	3.611	ng	# 85

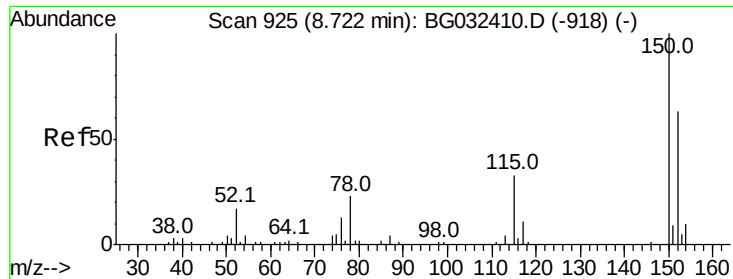
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BG032480.D

Acq: 1 Feb 2018 1:32

Instrument :

BNA_G

ClientSampleId :

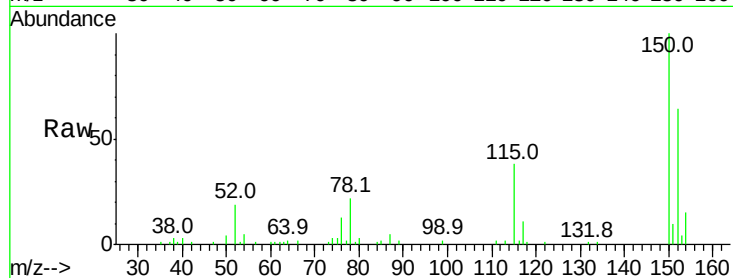
Tot Ion:152 Resp: 24025

Ion Ratio Lower Upper

152 100

150 157.3 126.6 189.8

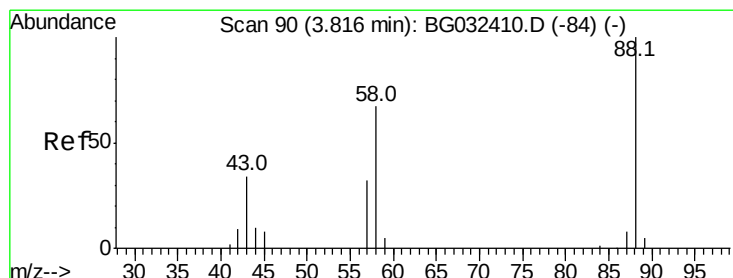
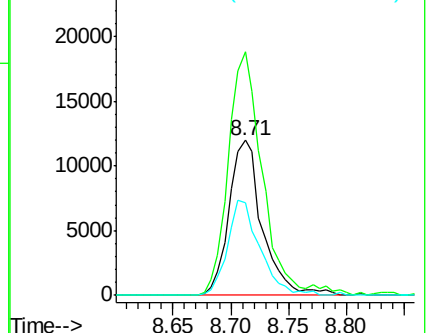
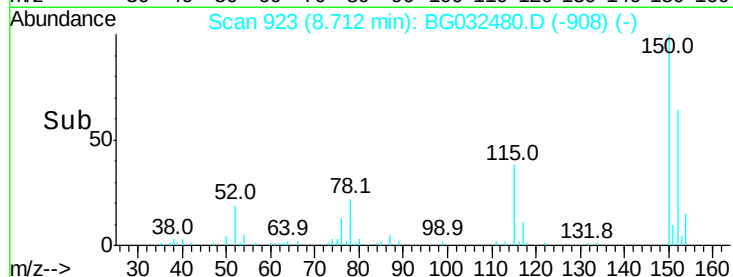
115 59.4 53.0 79.4



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



#2

1,4-Dioxane

Concen: 2.507 ng

RT: 3.48 min Scan# 32

Delta R.T. -0.34 min

Lab File: BG032480.D

Acq: 1 Feb 2018 1:32

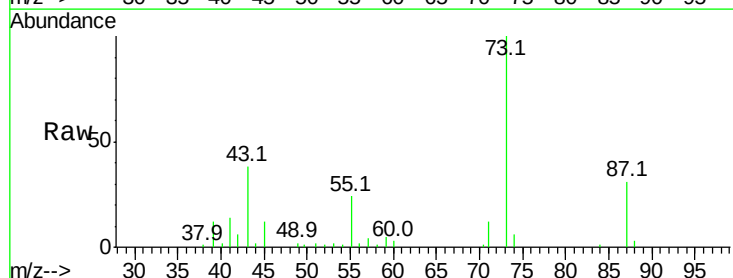
Tgt Ion: 88 Resp: 1009

Ion Ratio Lower Upper

88 100

58 20.3 79.6 119.4#

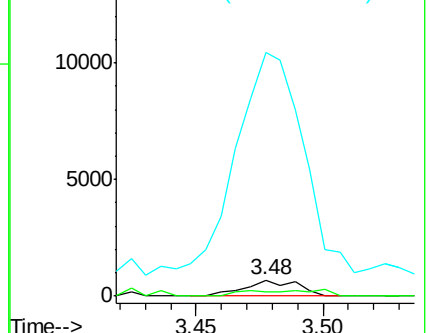
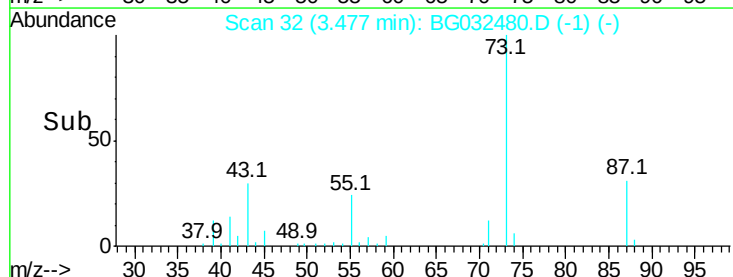
43 1636.7 27.4 41.0#

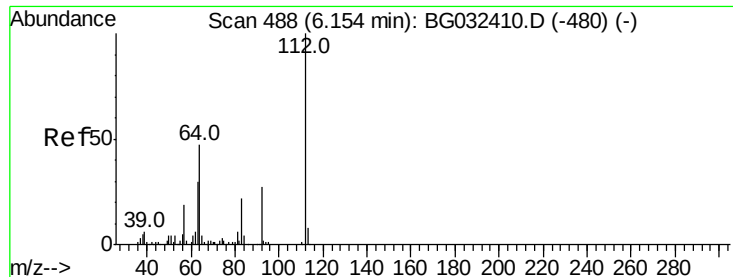


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 148.020 ng

RT: 6.16 min Scan# 488

Delta R.T. 0.00 min

Lab File: BG032480.D

Acq: 1 Feb 2018 1:32

Instrument :

BNA_G

ClientSampleId :

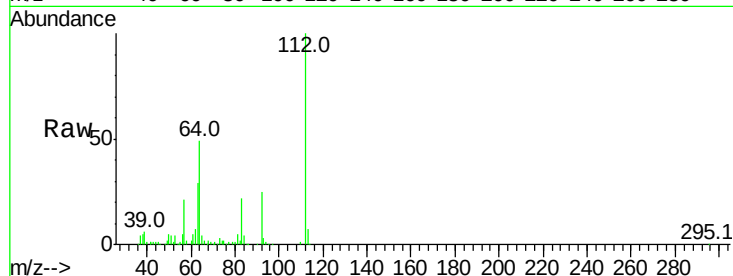
Tot Ion:112 Resp: 177052

Ion Ratio Lower Upper

112 100

64 49.3 56.3 84.5#

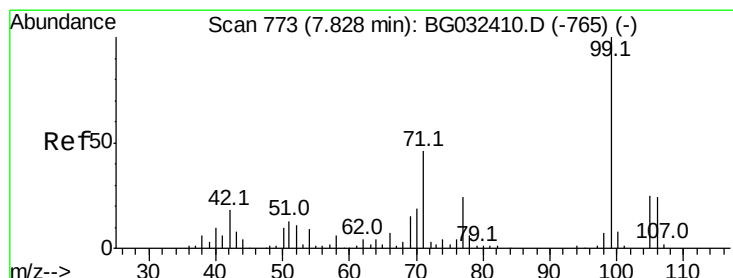
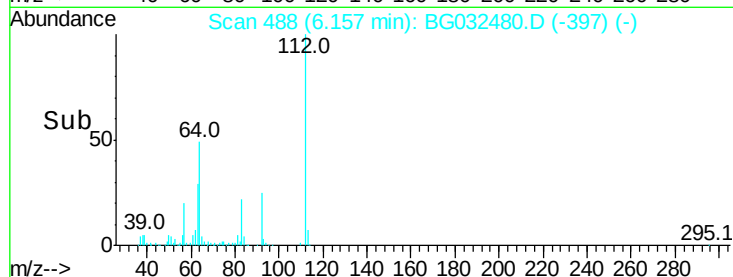
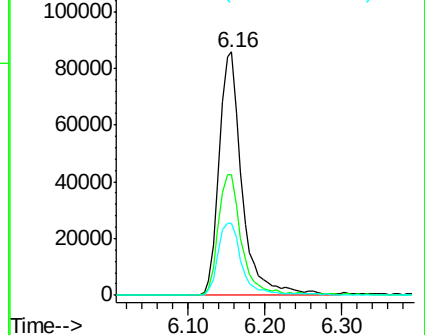
63 29.5 30.1 45.1#



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 126.428 ng

RT: 7.83 min Scan# 773

Delta R.T. 0.00 min

Lab File: BG032480.D

Acq: 1 Feb 2018 1:32

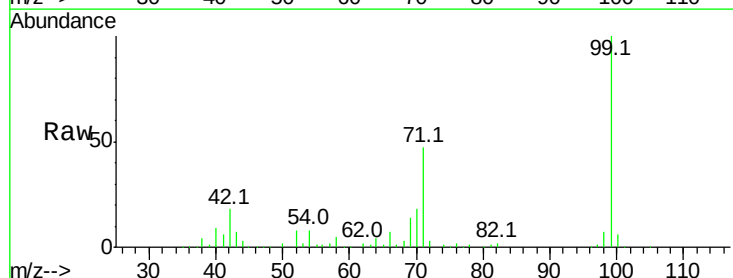
Tgt Ion: 99 Resp: 201797

Ion Ratio Lower Upper

99 100

42 18.3 14.1 21.1

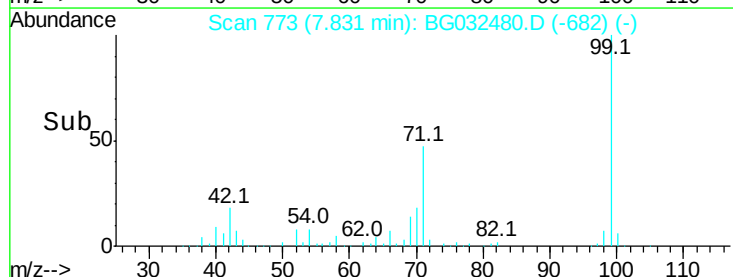
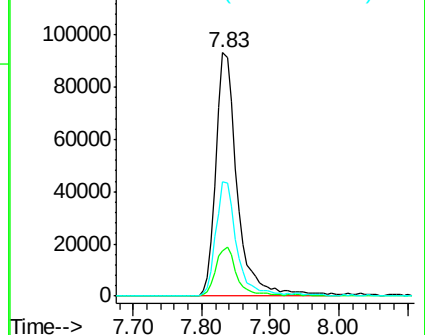
71 46.8 26.1 39.1#

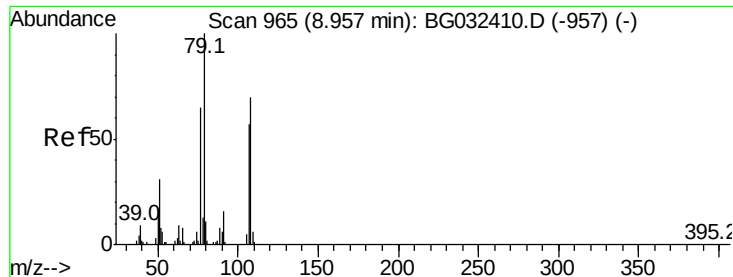


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.052 ng

RT: 9.05 min Scan# 980

Delta R.T. 0.09 min

Lab File: BG032480.D

Acq: 1 Feb 2018 1:32

Instrument :

BNA_G

ClientSampleId :

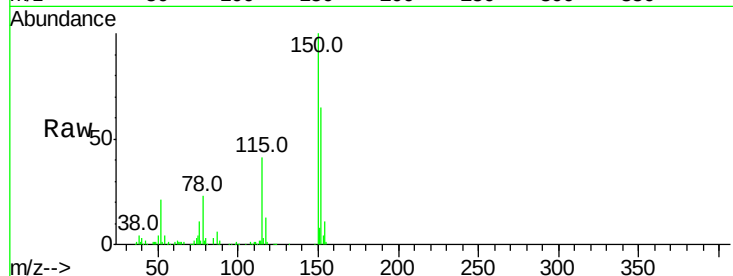
Tot Ion: 79 Resp: 2699

Ion Ratio Lower Upper

79 100

108 34.7 57.2 85.8#

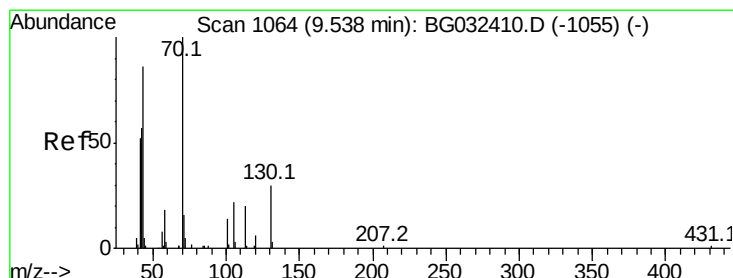
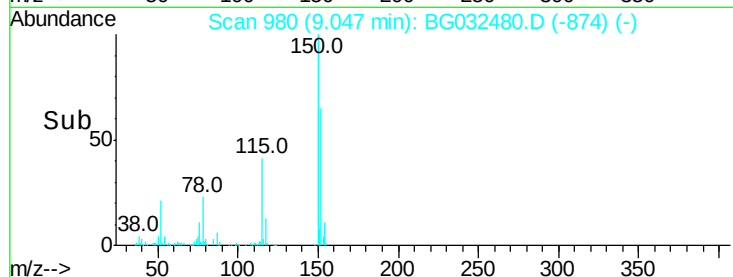
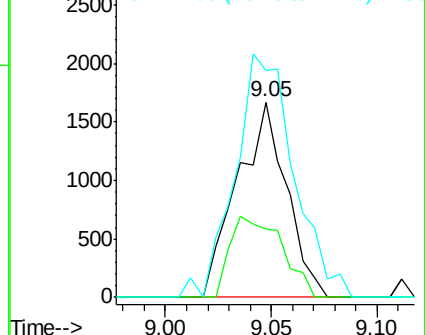
77 116.3 46.1 69.1#



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: 21.347 ng

RT: 9.91 min Scan# 1127

Delta R.T. 0.37 min

Lab File: BG032480.D

Acq: 1 Feb 2018 1:32

Tgt Ion: 70 Resp: 22592

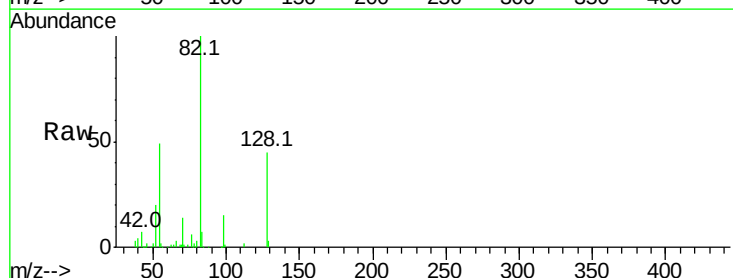
Ion Ratio Lower Upper

70 100

42 49.3 49.1 73.7

101 0.0 8.5 12.7#

130 0.0 13.4 20.0#

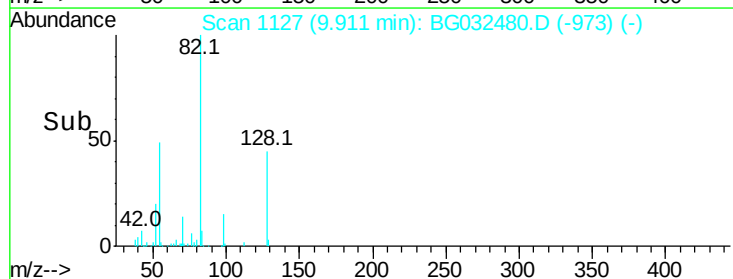
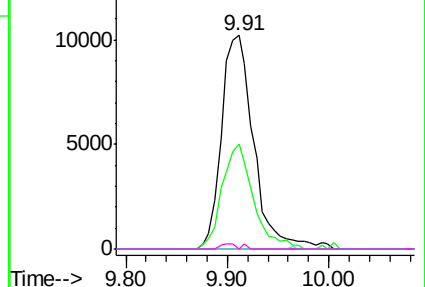


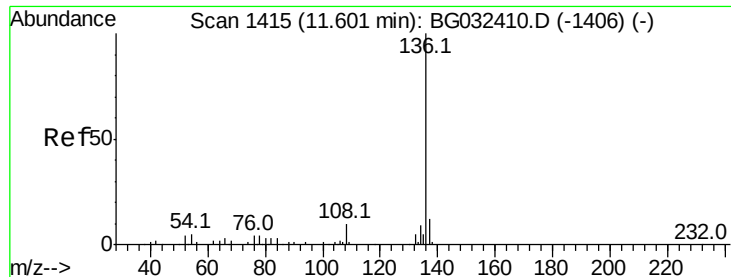
Abundance Ion 70.00 (69.70 to 70.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 101.00 (100.70 to 101.70): BGC

Ion 130.00 (129.70 to 130.70): BGC

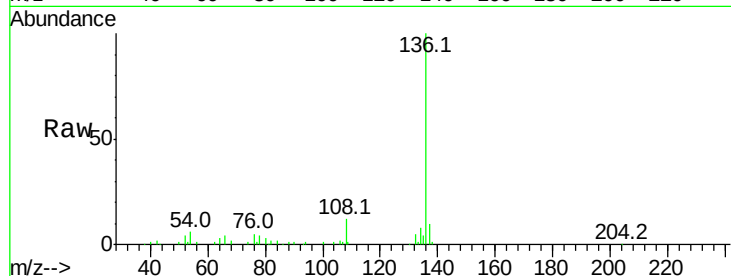




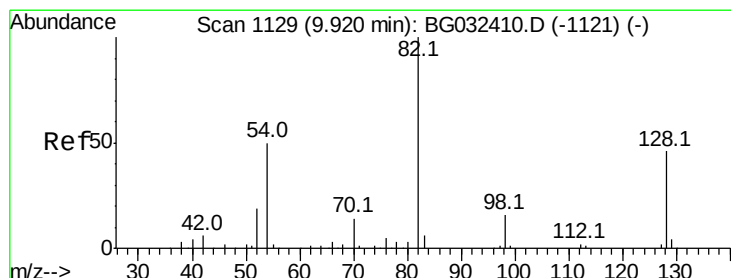
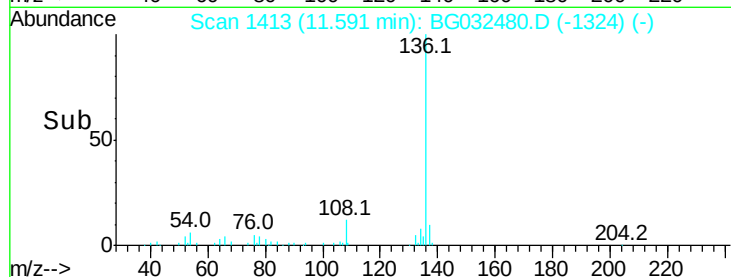
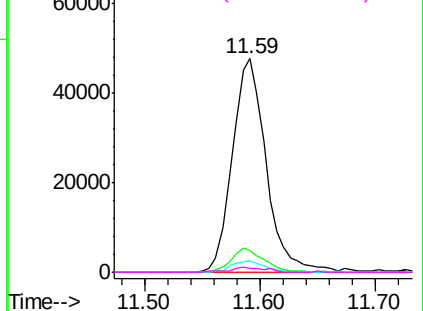
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	96522
Ion Ratio	Lower	Upper
136	100	
137	10.1	9.2 13.8
54	5.5	10.3 15.5#
68	1.7	4.5 6.7#

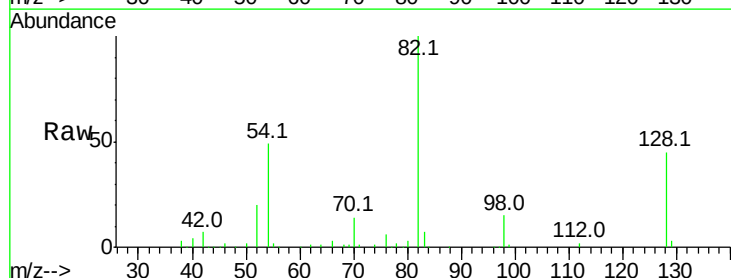


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

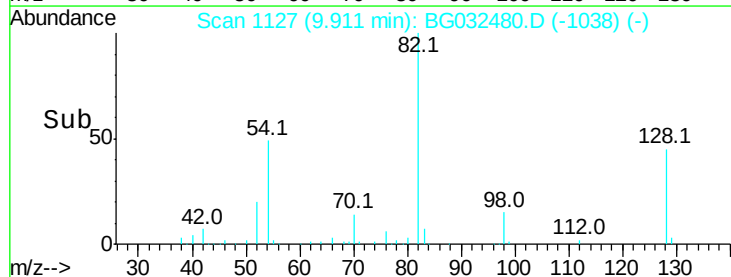
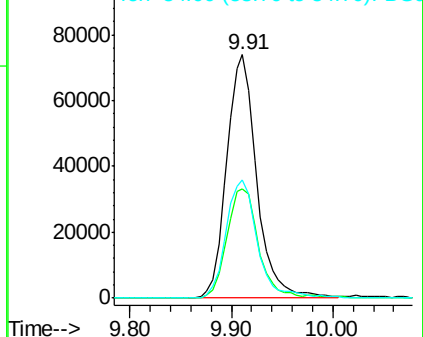


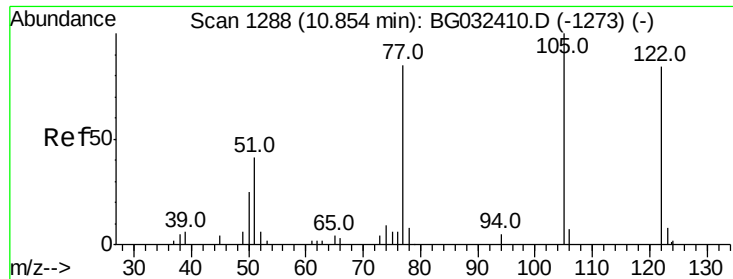
#23
Nitrobenzene-d5
Concen: 98.088 ng
RT: 9.91 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

Tgt Ion: 82	Resp:	151578
Ion Ratio	Lower	Upper
82	100	
128	44.8	29.7 44.5#
54	48.6	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

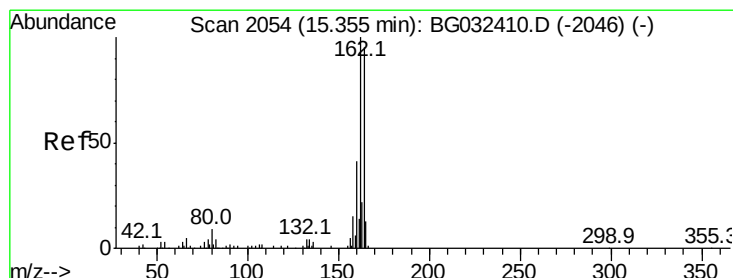
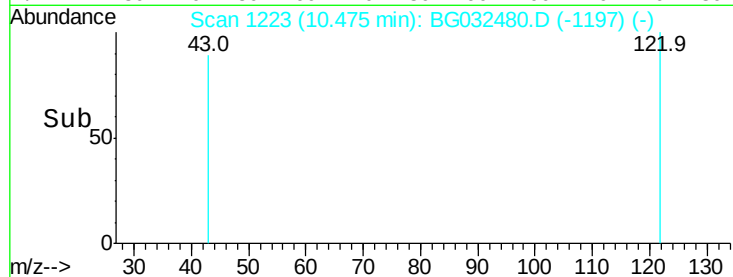
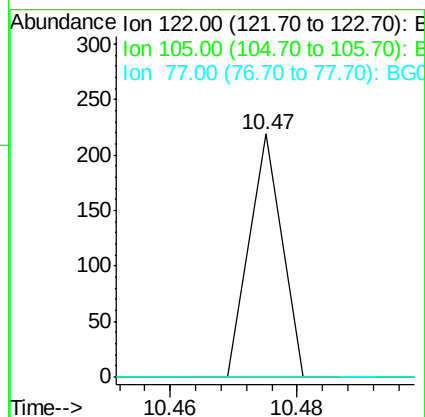
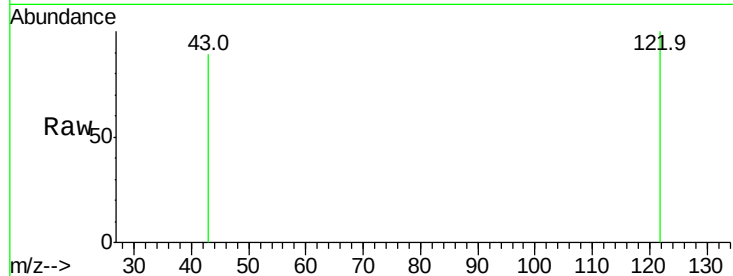




#32
Benzoic acid
Concen: 7.351 ng
RT: 10.47 min Scan# 1223
Delta R.T. -0.38 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

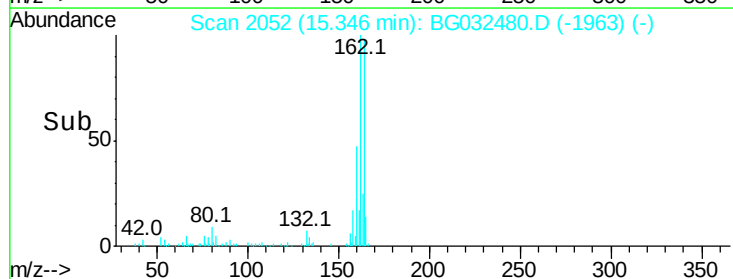
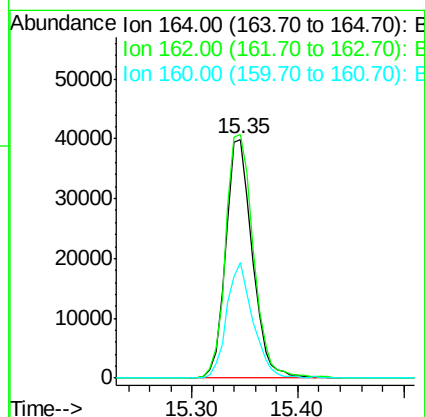
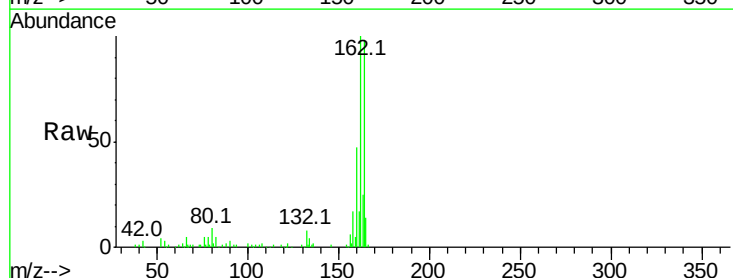
Instrument :
BNA_G
ClientSampleId :

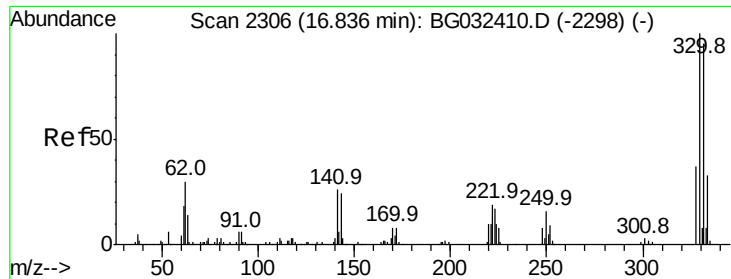
Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#



#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.35 min Scan# 2052
Delta R.T. -0.01 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.8	78.8	118.2
160	48.1	35.4	53.0

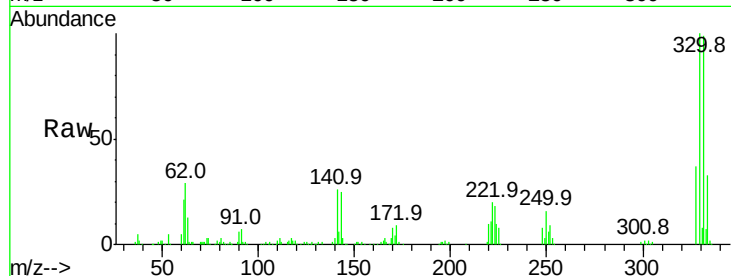




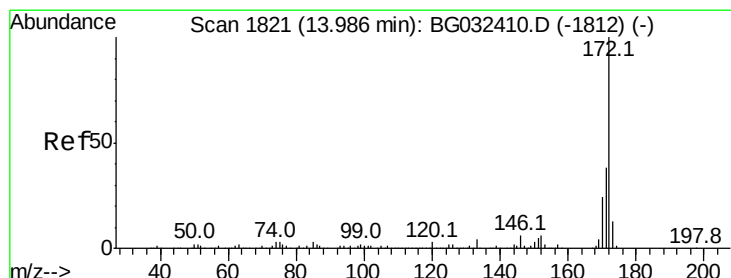
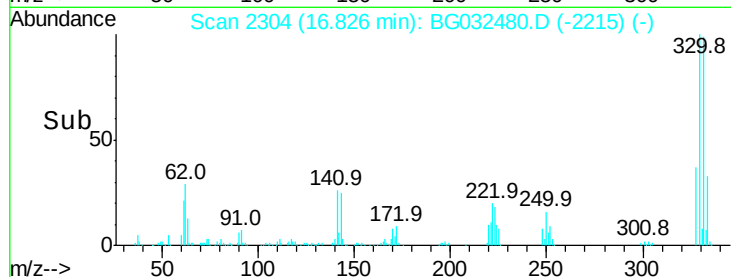
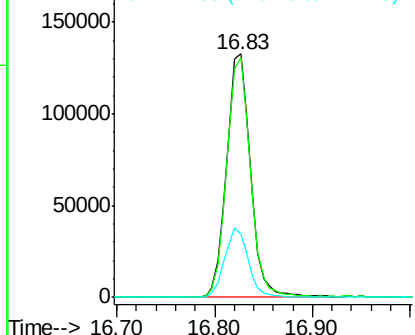
#41
 2,4,6-Tribromophenol
 Concen: 171.742 ng
 RT: 16.83 min Scan# 2304
 Delta R.T. -0.01 min
 Lab File: BG032480.D
 Acq: 1 Feb 2018 1:32

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 227262
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.0 115.6
 141 28.1 25.2 37.8

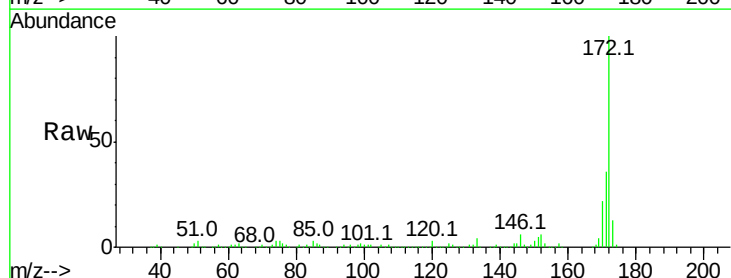


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

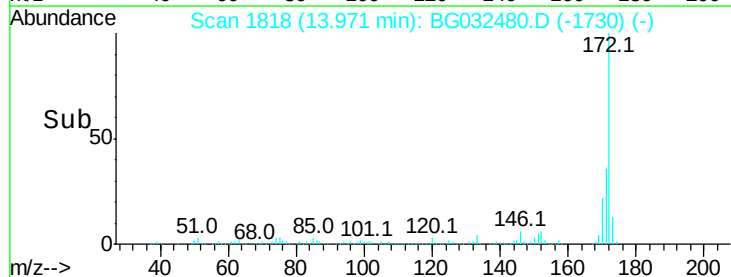
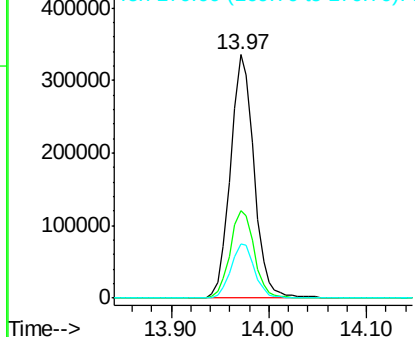


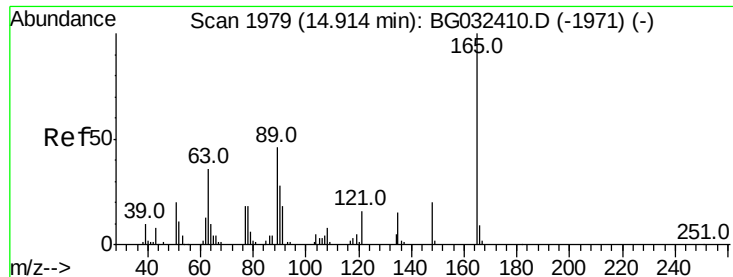
#44
 2-Fluorobiphenyl
 Concen: 96.301 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.02 min
 Lab File: BG032480.D
 Acq: 1 Feb 2018 1:32

Tgt Ion:172 Resp: 563257
 Ion Ratio Lower Upper
 172 100
 171 35.7 30.0 45.0
 170 22.1 19.5 29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

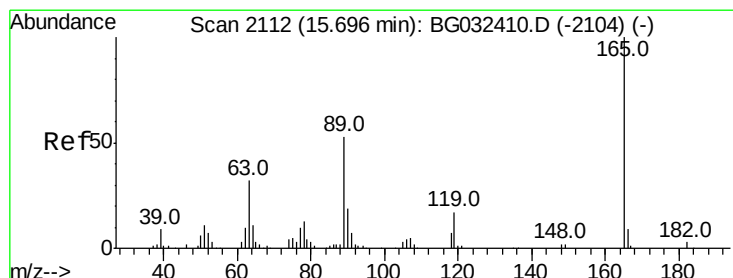
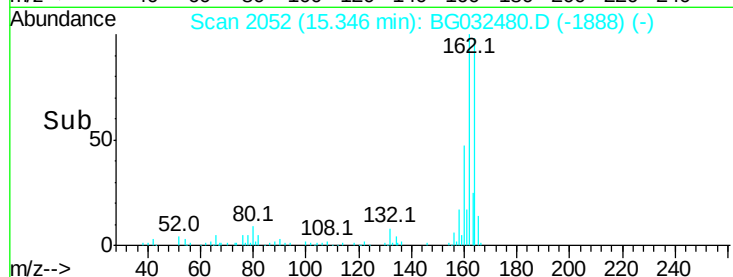
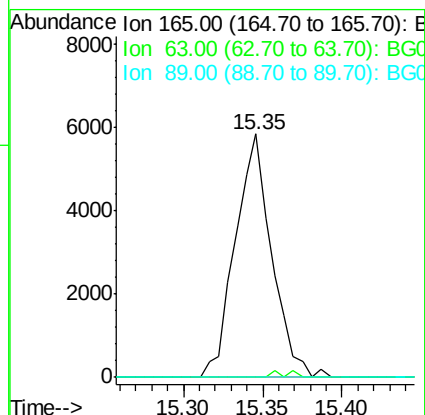
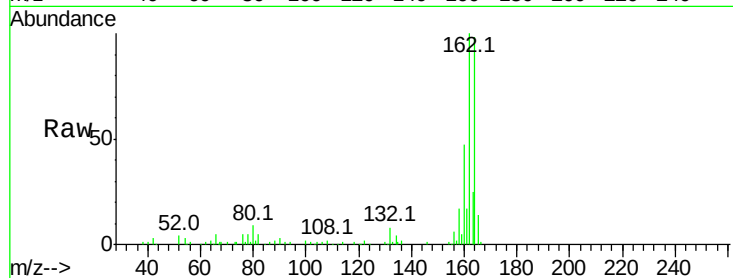




#50
2,6-Dinitrotoluene
Concen: 6.904 ng
RT: 15.35 min Scan# 2052
Delta R.T. 0.43 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

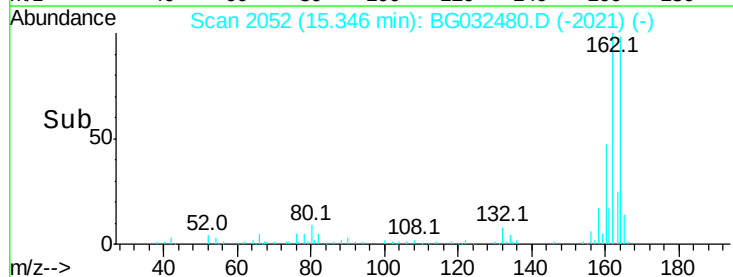
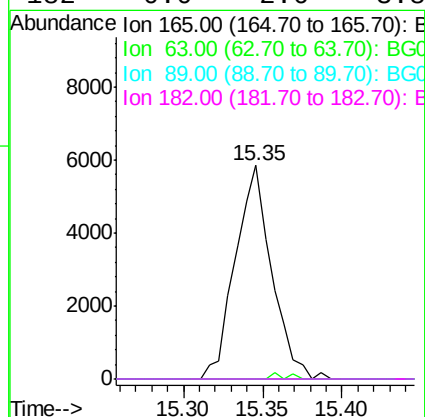
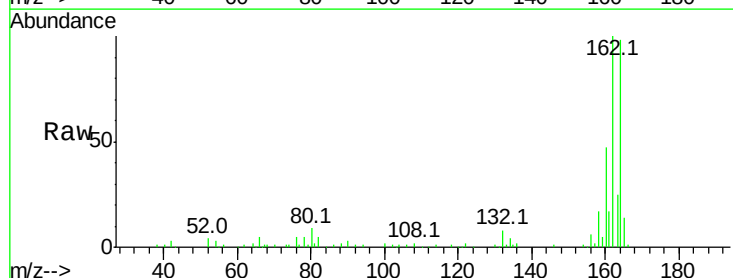
Instrument :
BNA_G
ClientSampleId :

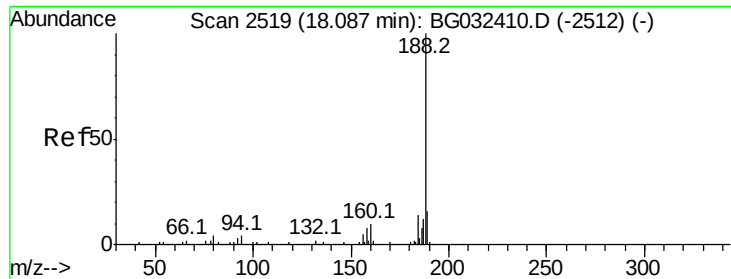
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	52.7	79.1#
89	0.0	49.2	73.8#



#56
2,4-Dinitrotoluene
Concen: 4.849 ng
RT: 15.35 min Scan# 2052
Delta R.T. -0.35 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

Tgt 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#

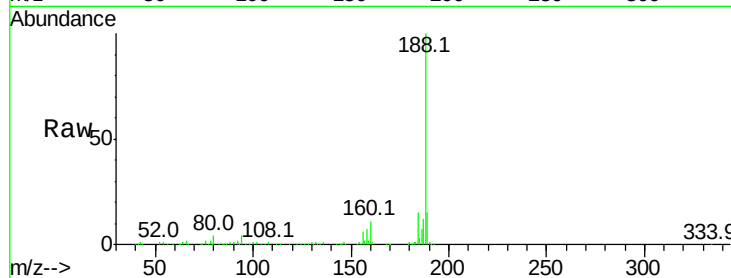




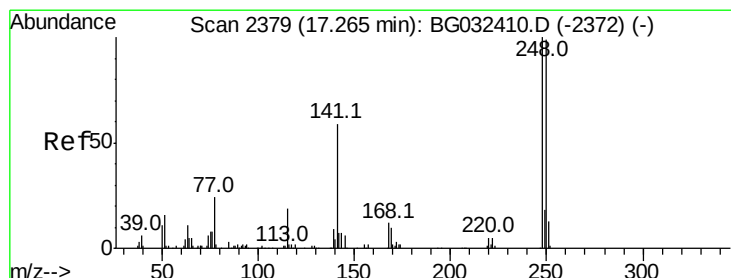
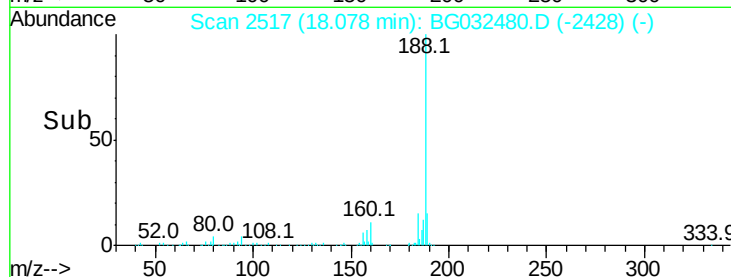
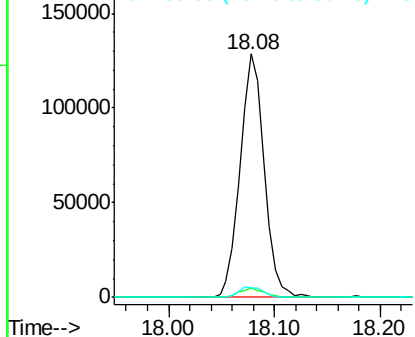
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.08 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

Instrument :
BNA_G
ClientSampleId :

Tot Ion:188 Resp: 202444
Ion Ratio Lower Upper
188 100
94 3.7 6.9 10.3#
80 3.8 7.7 11.5#

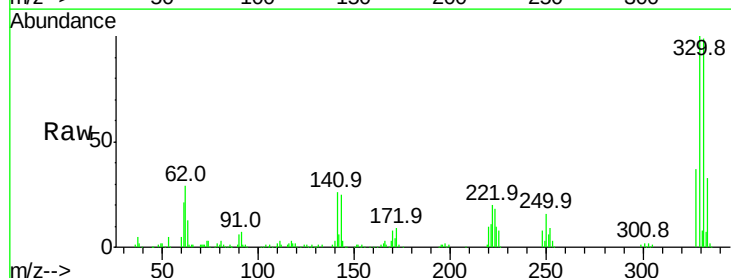


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BGO
Ion 80.00 (79.70 to 80.70): BGO

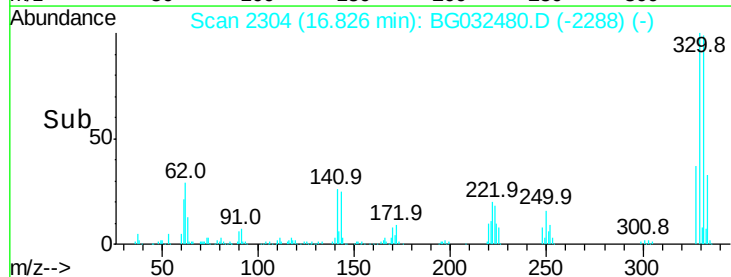
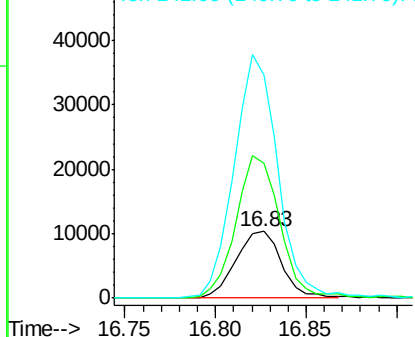


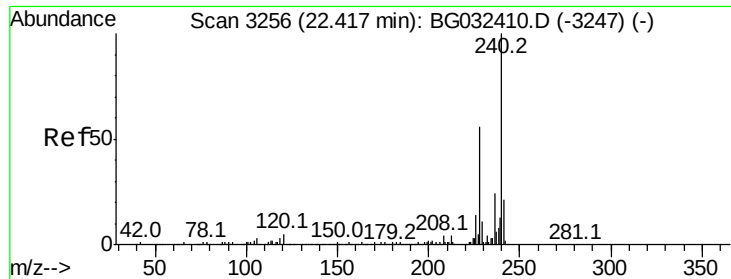
#66
4-Bromophenyl-phenylether
Concen: 6.028 ng
RT: 16.83 min Scan# 2304
Delta R.T. -0.44 min
Lab File: BG032480.D
Acq: 1 Feb 2018 1:32

Tgt Ion:248 Resp: 18079
Ion Ratio Lower Upper
248 100
250 202.7 77.1 115.7#
141 335.0 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: BG032480.D

Acq: 1 Feb 2018 1:32

Instrument :

BNA_G

ClientSampleId :

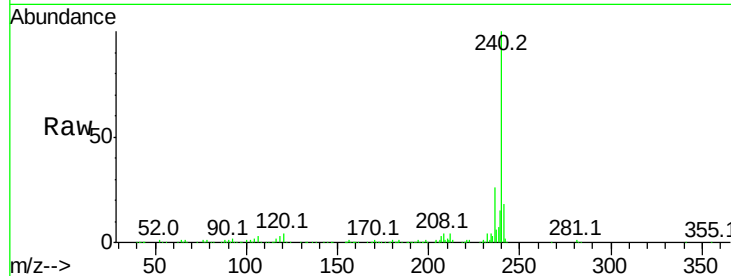
Tot Ion:240 Resp: 278132

Ion Ratio Lower Upper

240 100

120 4.4 6.8 10.2#

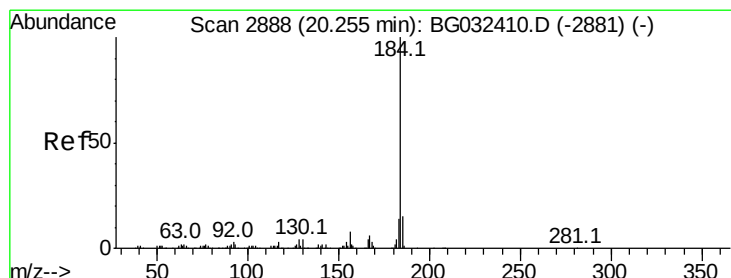
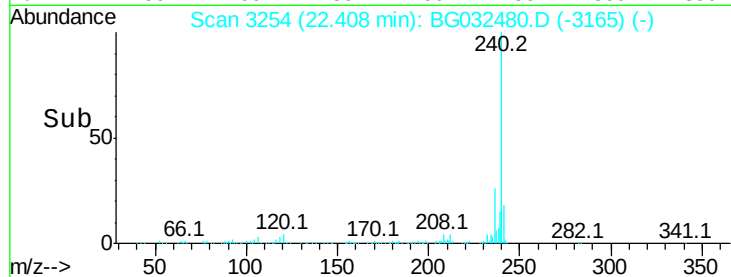
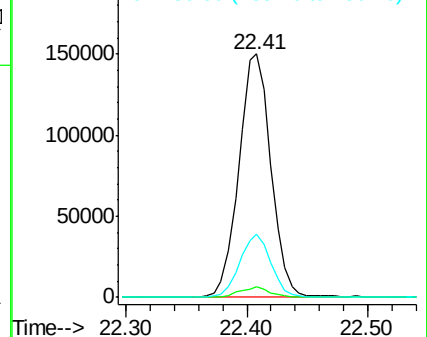
236 25.9 20.9 31.3



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: 3.611 ng

RT: 20.62 min Scan# 2949

Delta R.T. 0.36 min

Lab File: BG032480.D

Acq: 1 Feb 2018 1:32

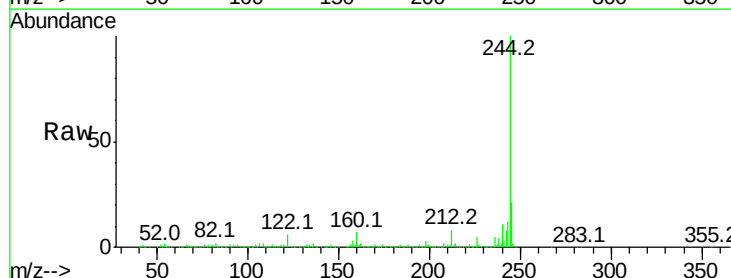
Tgt Ion:184 Resp: 19720

Ion Ratio Lower Upper

184 100

185 20.9 11.1 16.7#

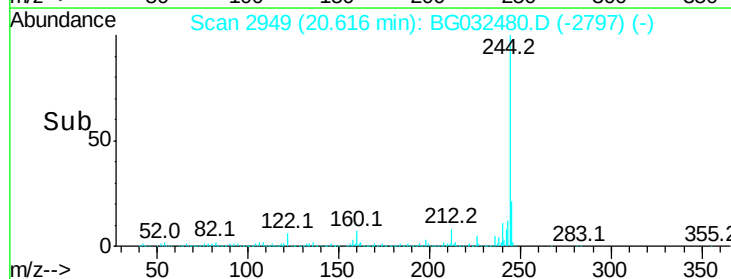
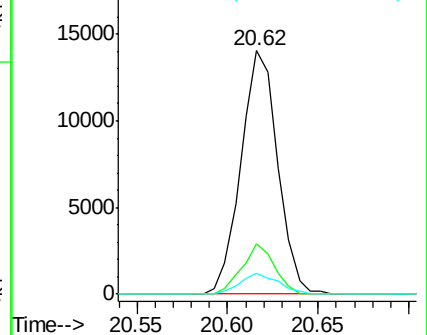
183 8.3 10.6 16.0#

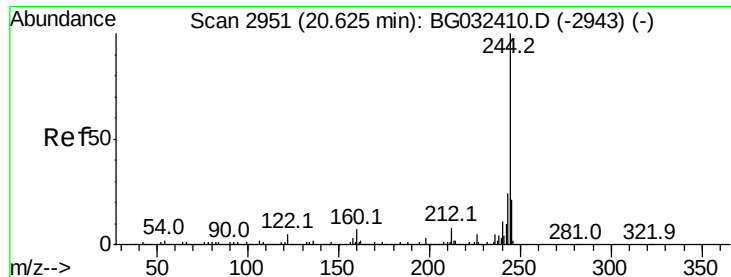


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 104.246 ng

RT: 20.62 min Scan# 2949

Delta R.T. -0.01 min

Lab File: BG032480.D

Acq: 1 Feb 2018 1:32

Instrument :

BNA_G

ClientSampleId :

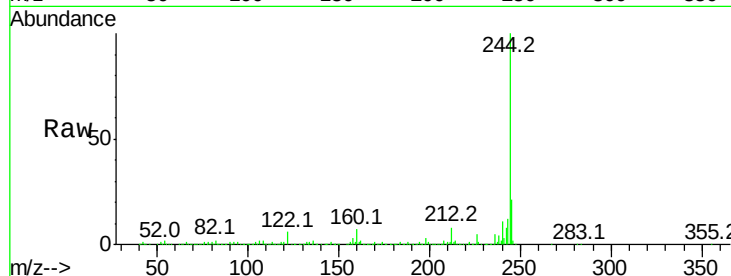
Tot Ion:244 Resp: 1353544

Ion Ratio Lower Upper

244 100

212 7.7 5.8 8.8

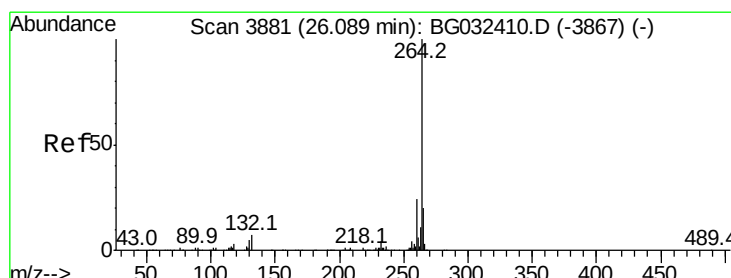
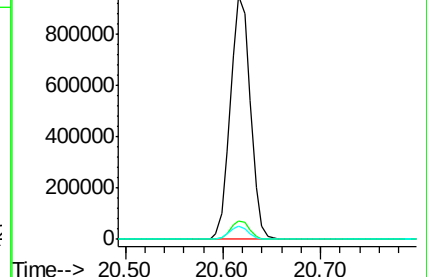
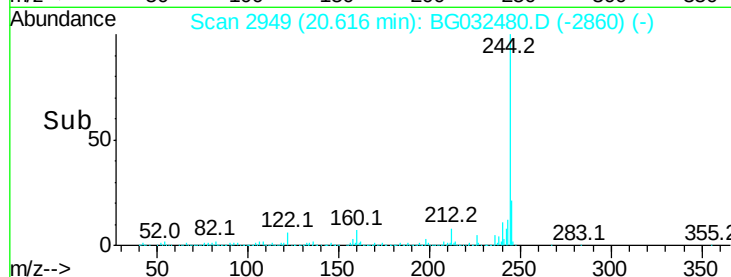
122 5.7 7.0 10.4#



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: 20.000 ng

RT: 26.08 min Scan# 3879

Delta R.T. -0.01 min

Lab File: BG032480.D

Acq: 1 Feb 2018 1:32

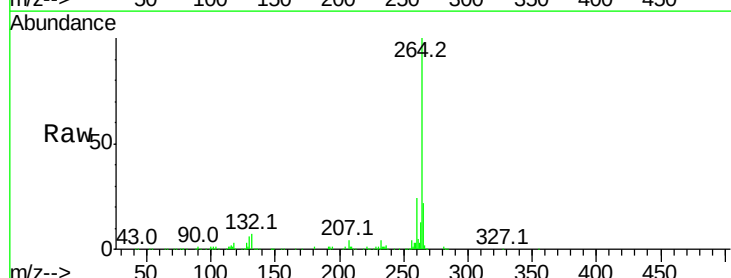
Tgt Ion:264 Resp: 296973

Ion Ratio Lower Upper

264 100

260 24.2 17.4 26.0

265 21.9 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

