

Data Path : U:\HPCHEM1\BNA G\DATA\BG013018\
 Data File : BG032445.D
 Acq On : 30 Jan 2018 17:04
 Operator : SJ/JU
 Sample : J1019-12
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 31 00:43:11 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	23963	20.00	ng	0.00
21) Naphthalene-d8	11.59	136	85590	20.00	ng	0.00
38) Acenaphthene-d10	15.35	164	61548	20.00	ng	0.00
63) Phenanthrene-d10	18.08	188	184440	20.00	ng	0.00
75) Chrysene-d12	22.41	240	262333	20.00	ng	0.00
86) Perylene-d12	26.08	264	261887	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.15	112	159092	133.35	ng	0.00
7) Phenol-d6	7.84	99	173888	109.22	ng	0.00
23) Nitrobenzene-d5	9.91	82	141192	103.04	ng	0.00
41) 2,4,6-Tribromophenol	16.83	330	206805	176.52	ng	0.00
44) 2-Fluorobiphenyl	13.97	172	505345	97.59	ng	-0.01
78) Terphenyl-d14	20.62	244	1274904	104.10	ng	0.00

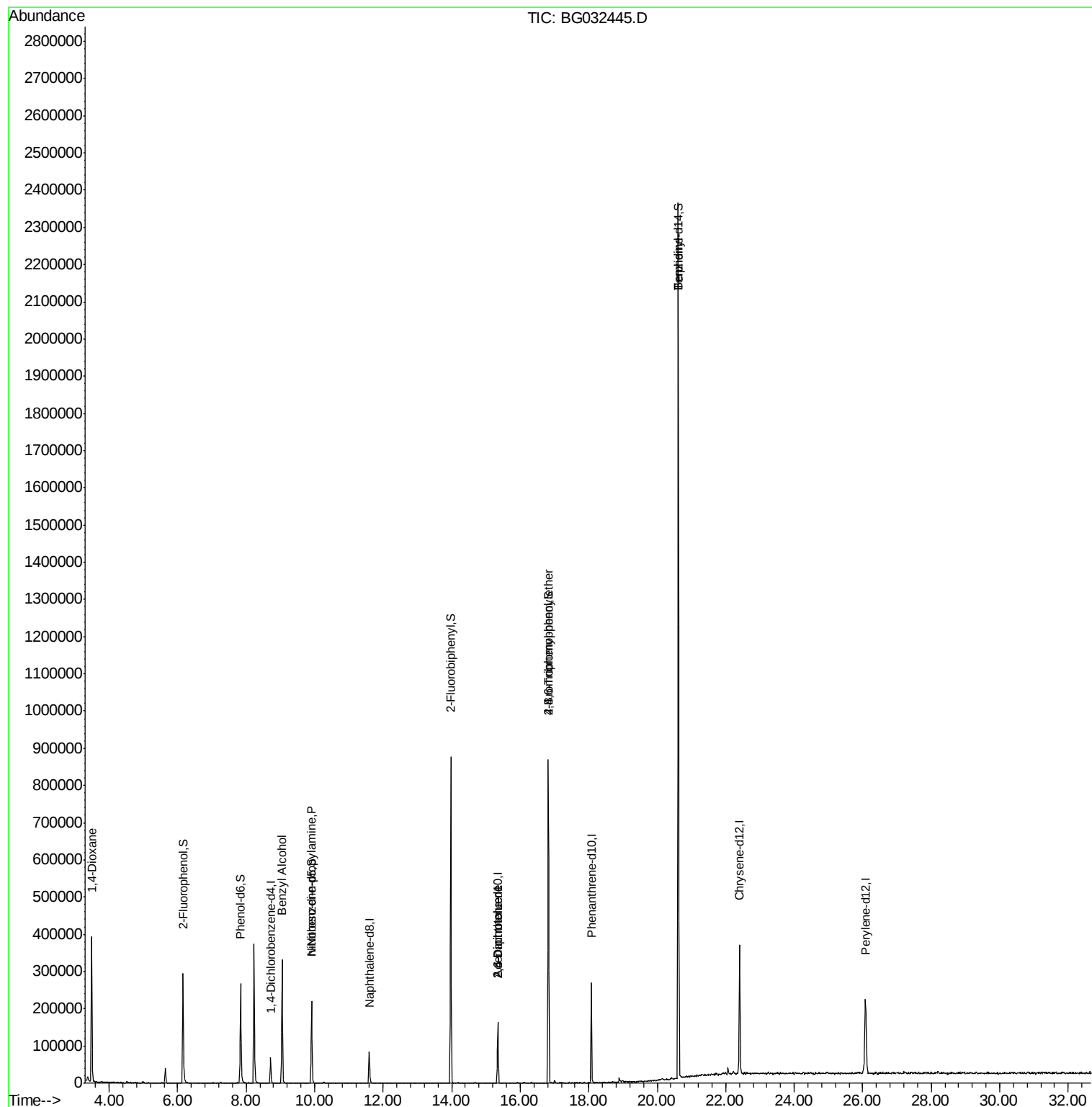
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.49	88	4659	11.607	ng	# 1
15) Benzyl Alcohol	9.05	79	2880	2.195	ng	# 43
19) n-Nitroso-di-n-propylamine	9.91	70	21070	19.961	ng	# 78
50) 2,6-Dinitrotoluene	15.35	165	8470	7.111	ng	# 20
56) 2,4-Dinitrotoluene	15.35	165	8470	4.994	ng	# 18
66) 4-Bromophenyl-phenylether	16.83	248	16931	6.196	ng	# 1
76) Benzidine	20.62	184	17711	3.438	ng	# 92

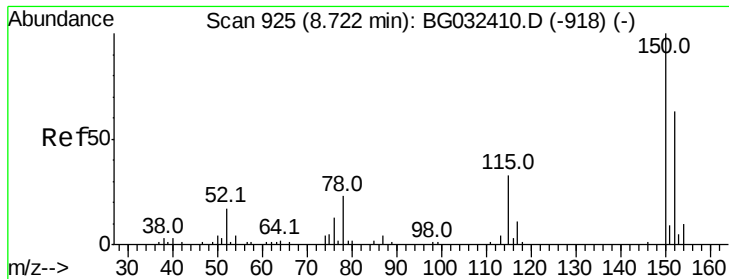
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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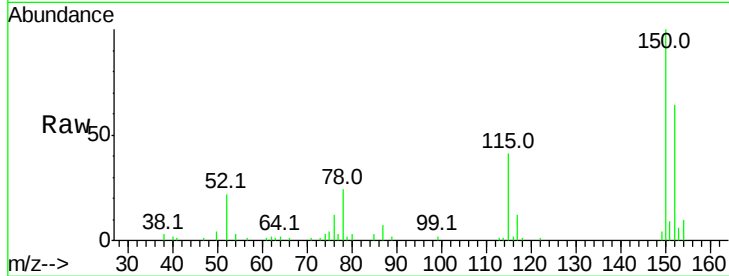


#1

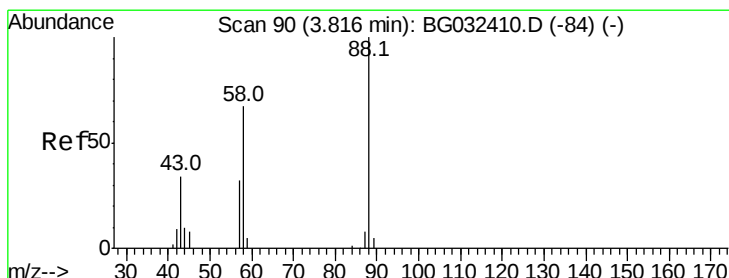
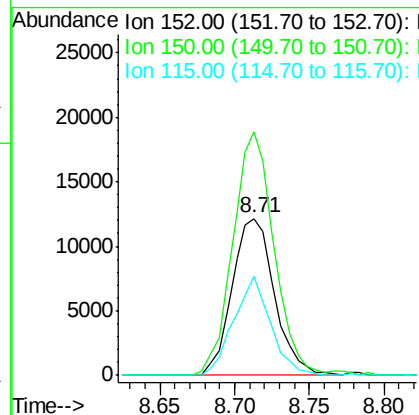
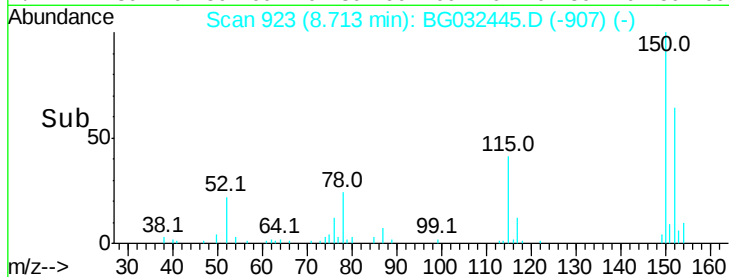
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.71 min Scan# 923
Delta R.T. -0.01 min
Lab File: BG032445.D
Acq: 30 Jan 2018 17:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 23963
Ion Ratio Lower Upper
152 100
150 155.1 126.6 189.8
115 62.8 53.0 79.4



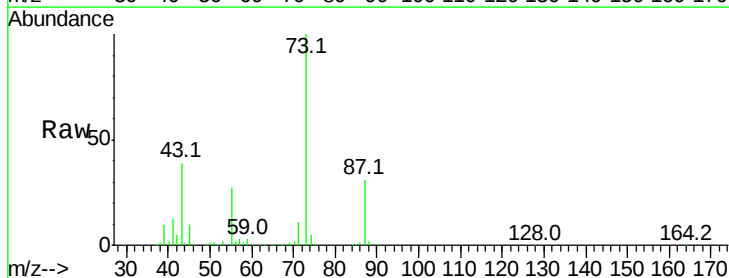
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



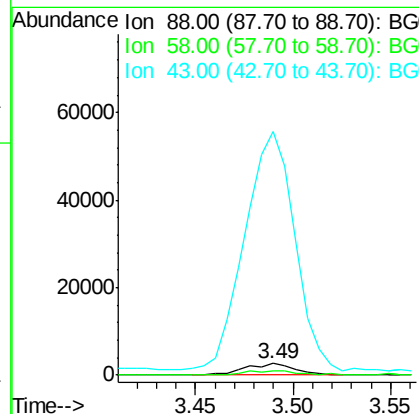
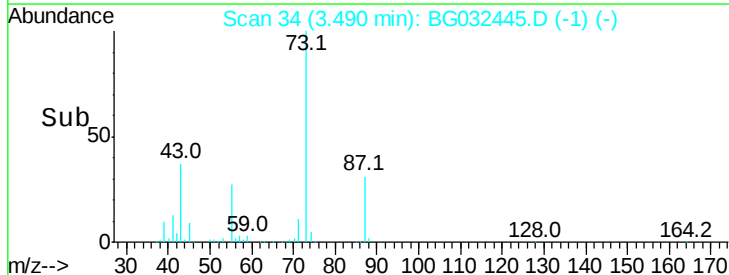
#2

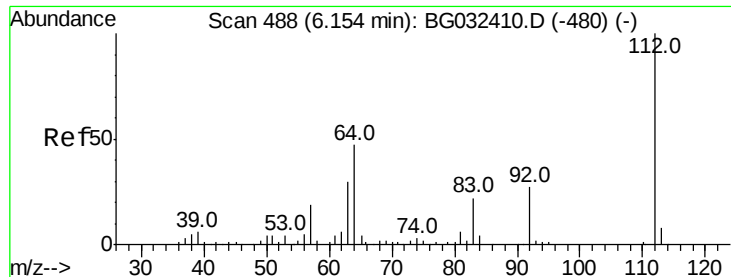
1,4-Dioxane
Concen: 11.607 ng
RT: 3.49 min Scan# 34
Delta R.T. -0.33 min
Lab File: BG032445.D
Acq: 30 Jan 2018 17:04

Tgt Ion: 88 Resp: 4659
Ion Ratio Lower Upper
88 100
58 38.6 79.6 119.4#
43 2090.6 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: 133.349 ng

RT: 6.15 min Scan# 487

Delta R.T. -0.00 min

Lab File: BG032445.D

Acq: 30 Jan 2018 17:04

Instrument :

BNA_G

ClientSampleId :

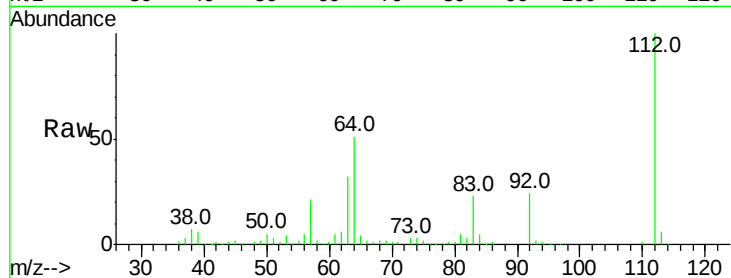
Tot Ion:112 Resp: 159092

Ion Ratio Lower Upper

112 100

64 51.2 56.3 84.5#

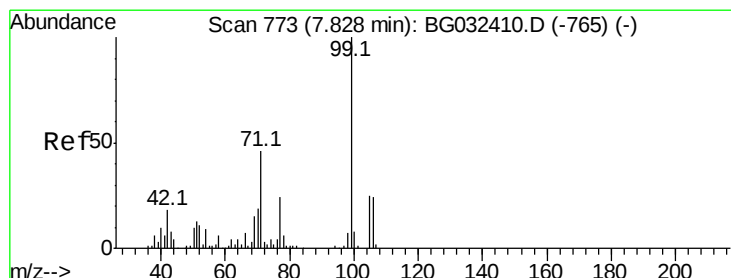
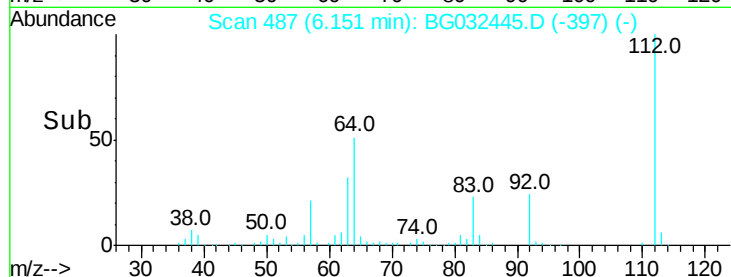
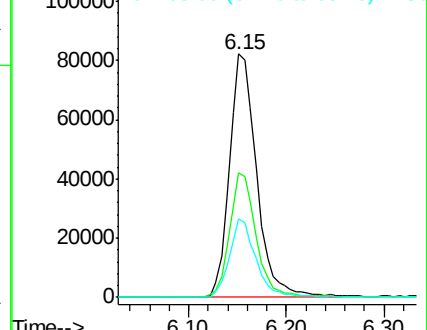
63 32.1 30.1 45.1



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: 109.225 ng

RT: 7.84 min Scan# 774

Delta R.T. 0.01 min

Lab File: BG032445.D

Acq: 30 Jan 2018 17:04

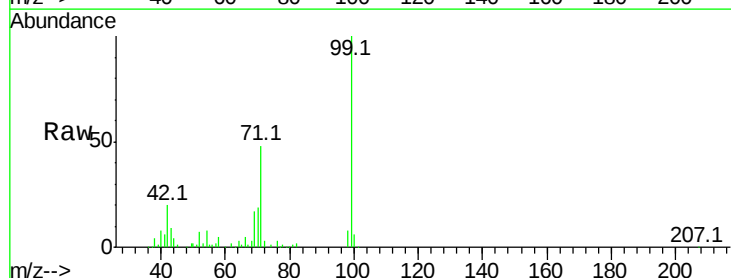
Tgt Ion: 99 Resp: 173888

Ion Ratio Lower Upper

99 100

42 19.7 14.1 21.1

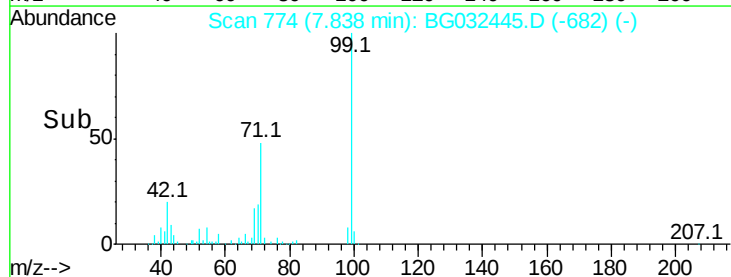
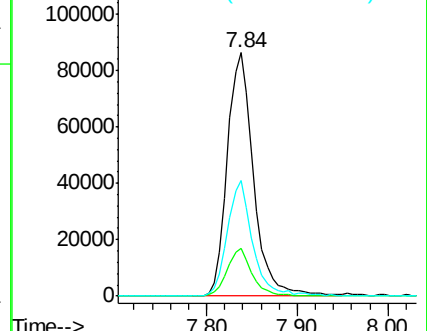
71 47.6 26.1 39.1#

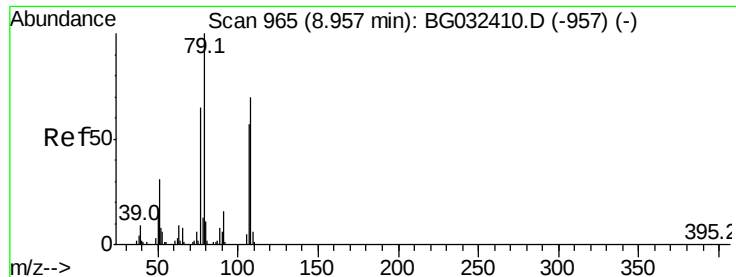


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#15

Benzyl Alcohol

Concen: 2.195 ng

RT: 9.05 min Scan# 980

Delta R.T. 0.09 min

Lab File: BG032445.D

Acq: 30 Jan 2018 17:04

Instrument :

BNA_G

ClientSampleId :

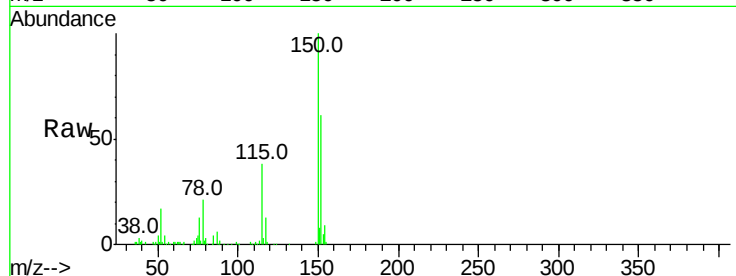
Tot Ion: 79 Resp: 2880

Ion Ratio Lower Upper

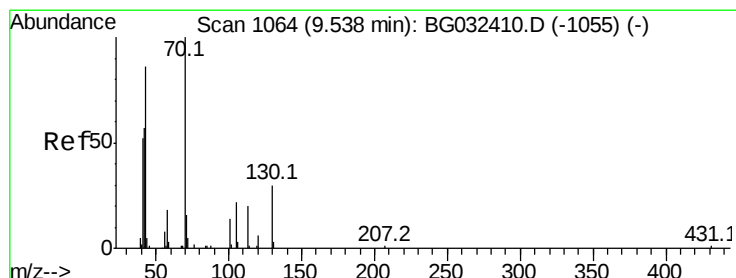
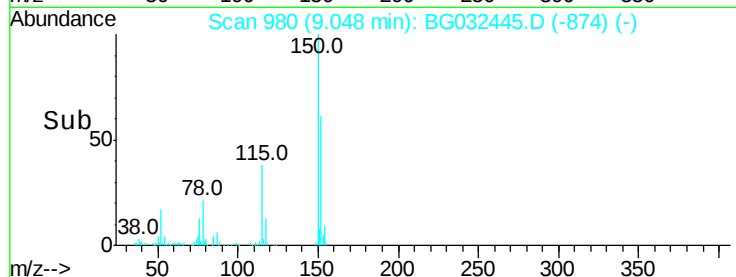
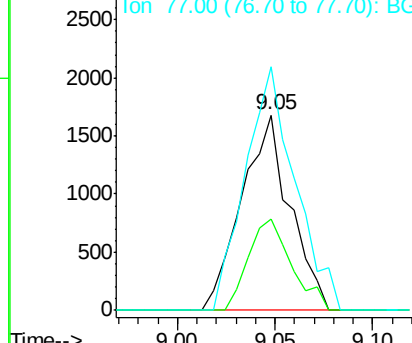
79 100

108 47.0 57.2 85.8#

77 124.6 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: 19.961 ng

RT: 9.91 min Scan# 1127

Delta R.T. 0.37 min

Lab File: BG032445.D

Acq: 30 Jan 2018 17:04

Tgt Ion: 70 Resp: 21070

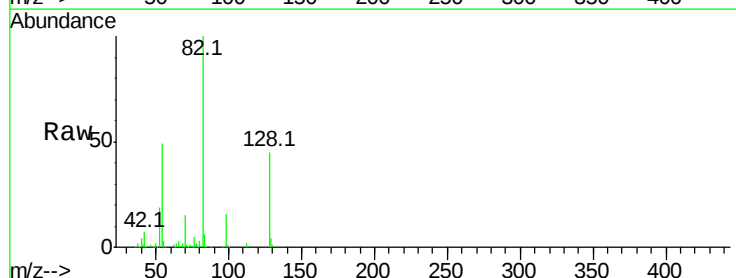
Ion Ratio Lower Upper

70 100

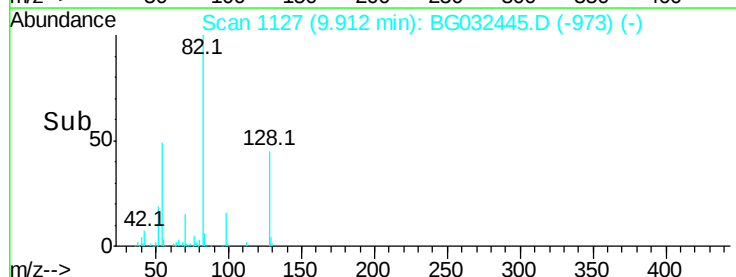
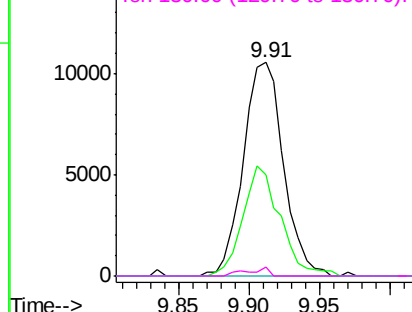
42 47.3 49.1 73.7#

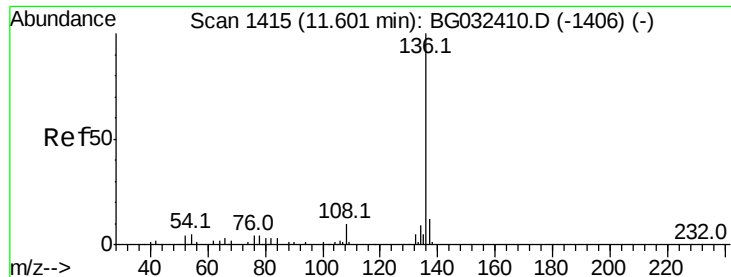
101 0.0 8.5 12.7#

130 4.3 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

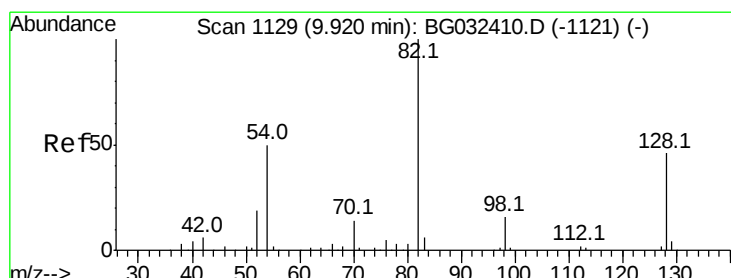
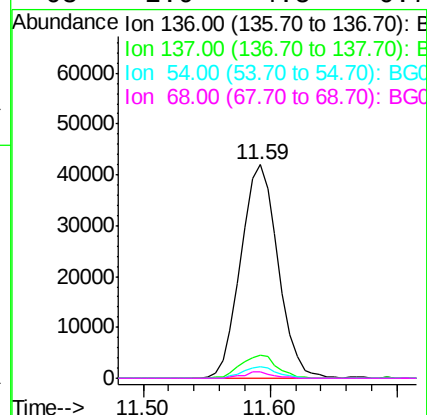
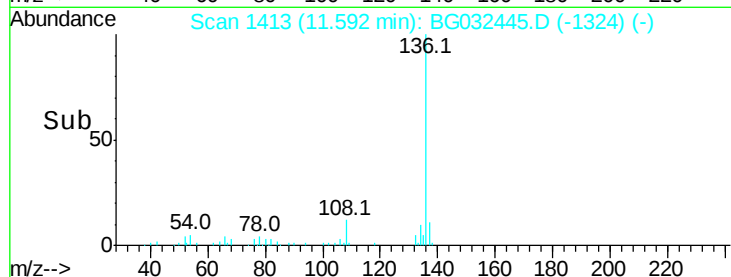
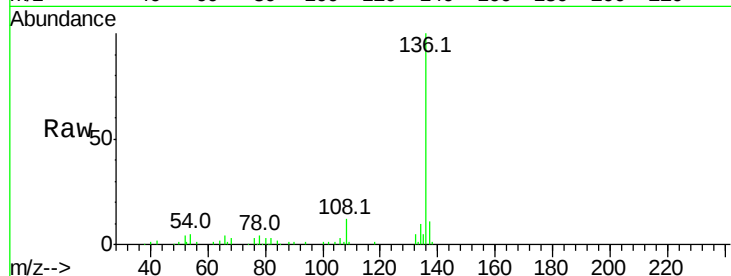




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.59 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BG032445.D
Acq: 30 Jan 2018 17:04

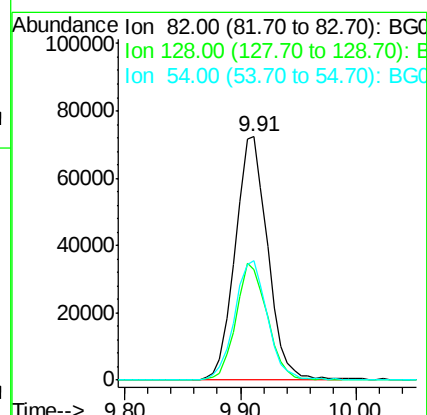
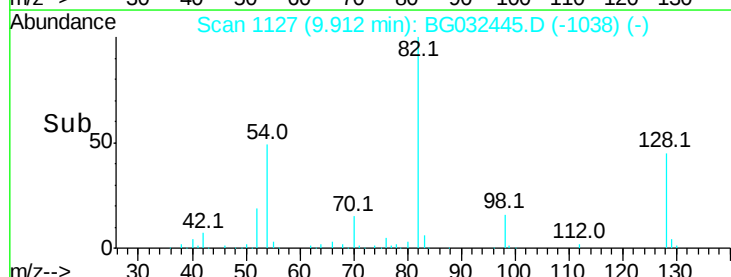
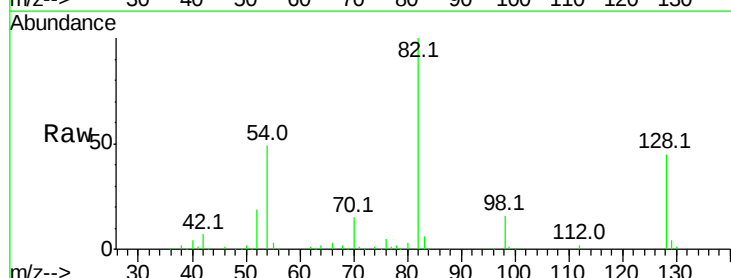
Instrument :
BNA_G
ClientSampleId :

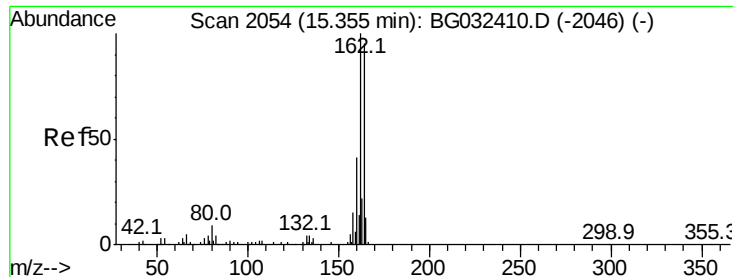
Tot Ion:136 Resp: 85590
Ion Ratio Lower Upper
136 100
137 11.0 9.2 13.8
54 5.3 10.3 15.5#
68 2.9 4.5 6.7#



#23
Nitrobenzene-d5
Concen: 103.037 ng
RT: 9.91 min Scan# 1127
Delta R.T. -0.01 min
Lab File: BG032445.D
Acq: 30 Jan 2018 17:04

Tgt Ion: 82 Resp: 141192
Ion Ratio Lower Upper
82 100
128 45.3 29.7 44.5#
54 48.8 43.1 64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.35 min Scan# 2052

Delta R.T. -0.01 min

Lab File: BG032445.D

Acq: 30 Jan 2018 17:04

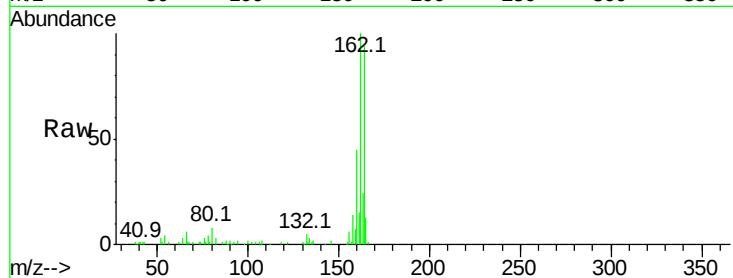
Instrument :

BNA_G

ClientSampleId :

Tot Ion:164 Resp: 61548

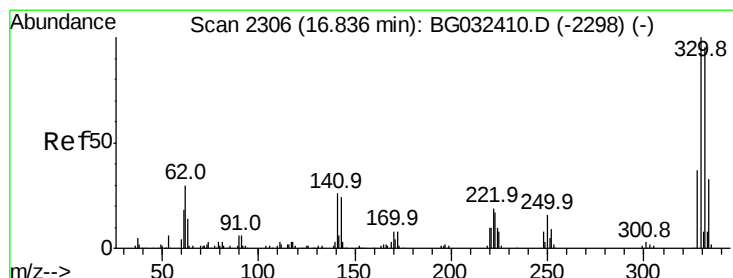
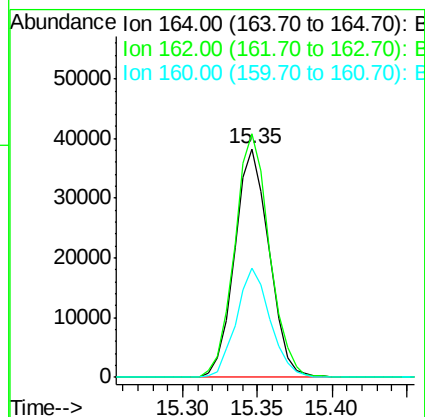
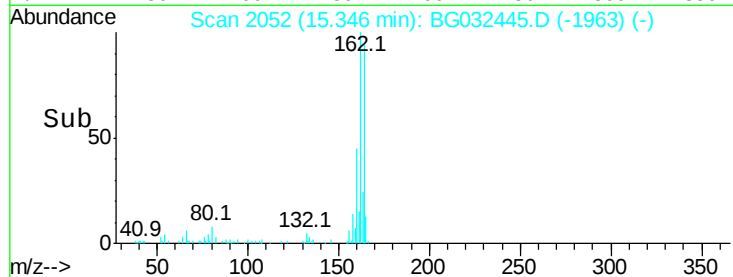
Ion	Ratio	Lower	Upper
164	100		
162	106.7	78.8	118.2
160	47.8	35.4	53.0



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: 176.520 ng

RT: 16.83 min Scan# 2304

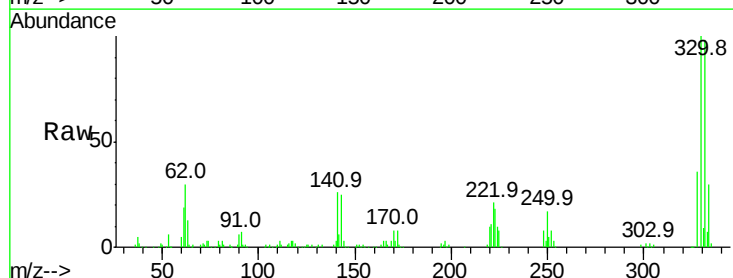
Delta R.T. -0.01 min

Lab File: BG032445.D

Acq: 30 Jan 2018 17:04

Tgt Ion:330 Resp: 206805

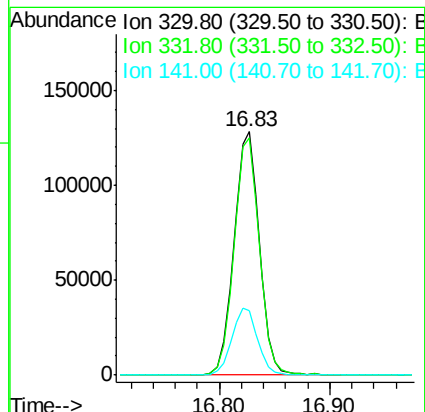
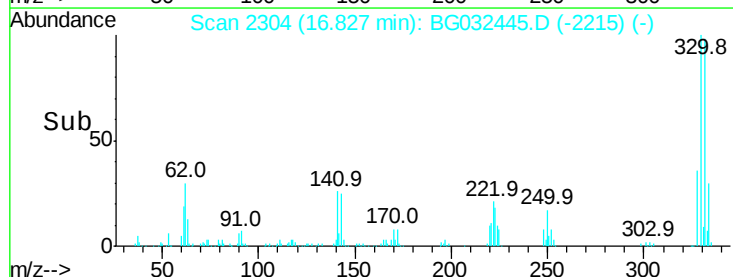
Ion	Ratio	Lower	Upper
330	100		
332	97.2	77.0	115.6
141	28.0	25.2	37.8

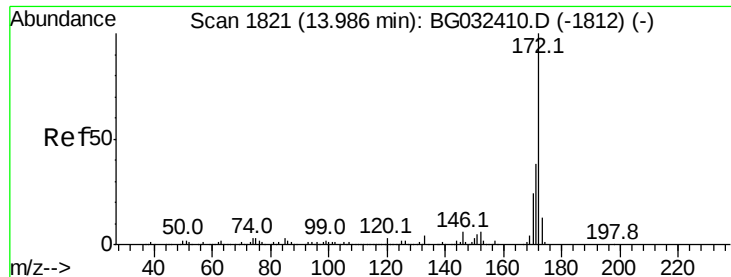


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

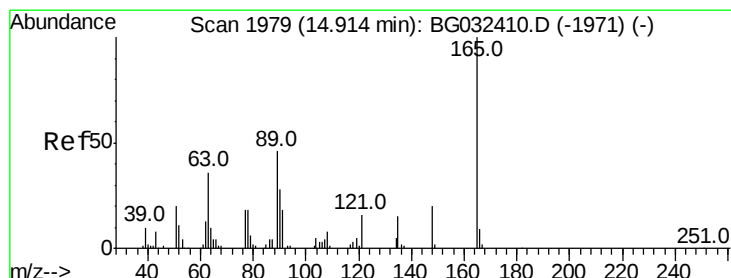
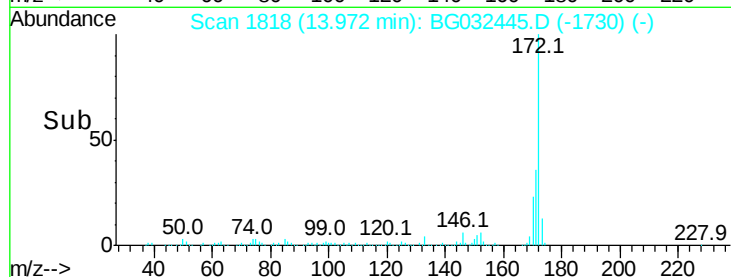
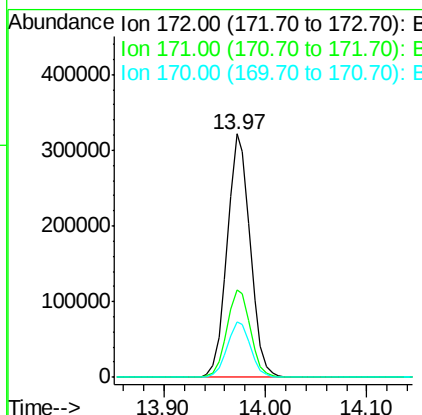
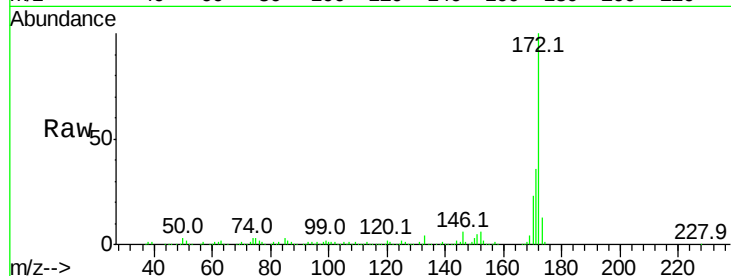




#44
 2-Fluorobiphenyl
 Concen: 97.588 ng
 RT: 13.97 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BG032445.D
 Acq: 30 Jan 2018 17:04

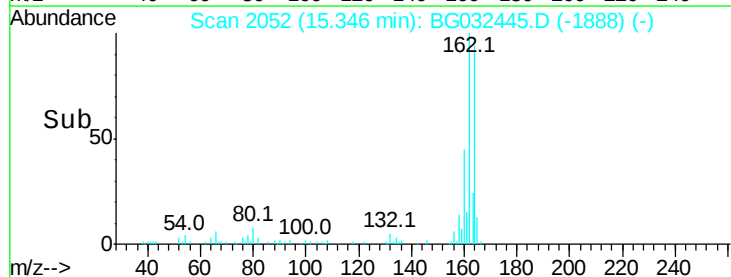
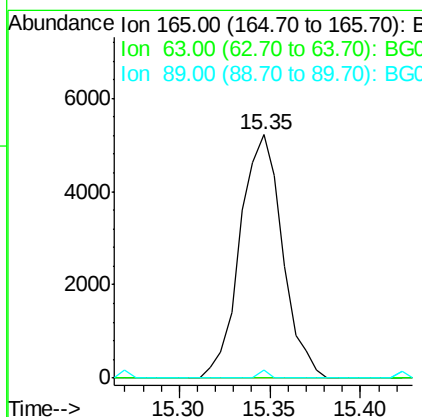
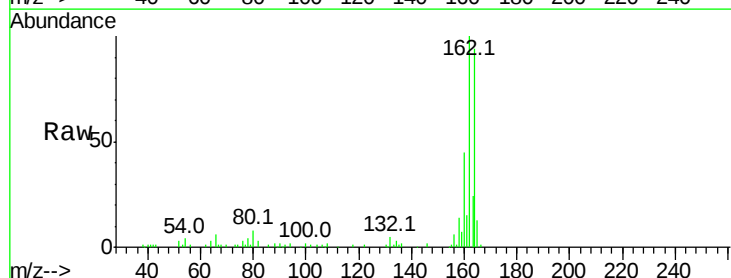
Instrument :
 BNA_G
 ClientSampleId :

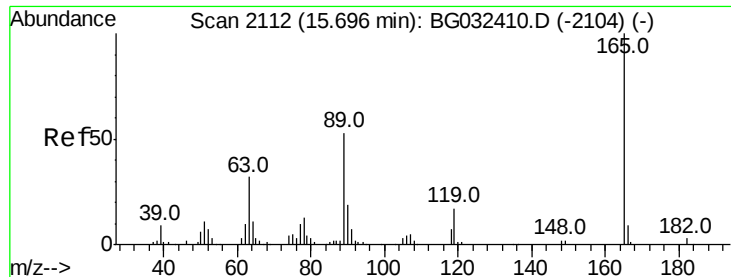
Tot Ion:172 Resp: 505345
 Ion Ratio Lower Upper
 172 100
 171 35.8 30.0 45.0
 170 22.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.111 ng
 RT: 15.35 min Scan# 2052
 Delta R.T. 0.43 min
 Lab File: BG032445.D
 Acq: 30 Jan 2018 17:04

Tgt Ion:165 Resp: 8470
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 3.3 49.2 73.8#

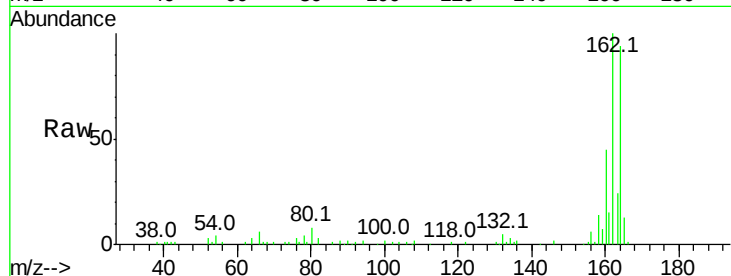




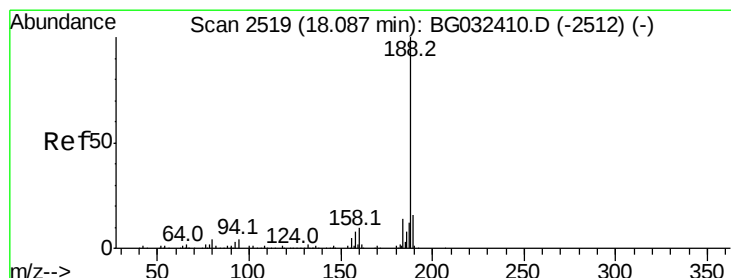
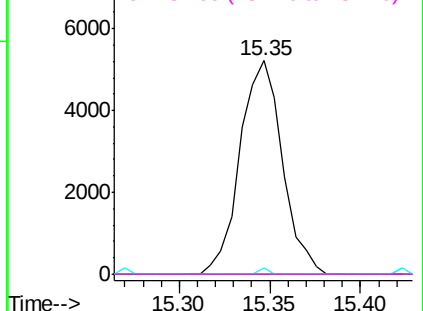
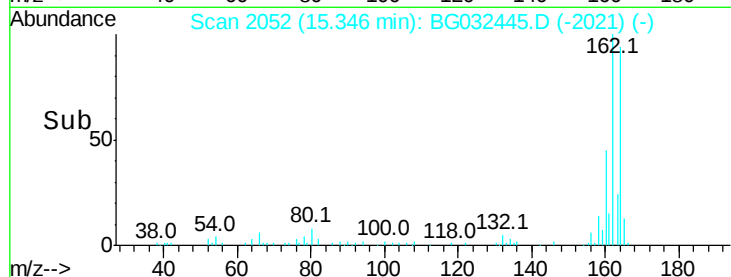
#56
2,4-Dinitrotoluene
Concen: 4.994 ng
RT: 15.35 min Scan# 2052
Delta R.T. -0.35 min
Lab File: BG032445.D
Acq: 30 Jan 2018 17:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 8470
Ion Ratio Lower Upper
165 100
63 0.0 42.0 63.0#
89 3.3 66.9 100.3#
182 0.0 2.6 3.8#

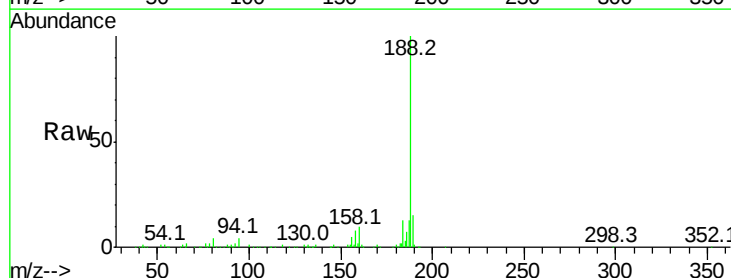


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

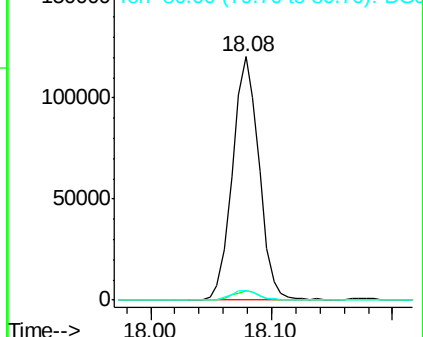
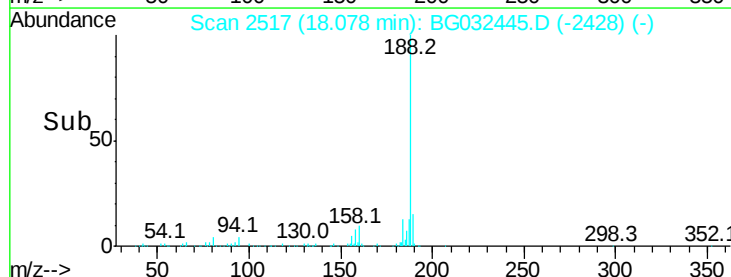


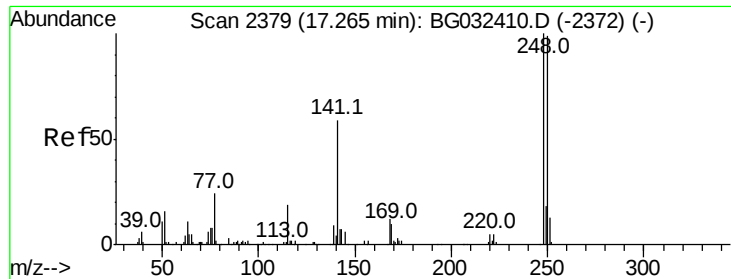
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.08 min Scan# 2517
Delta R.T. -0.01 min
Lab File: BG032445.D
Acq: 30 Jan 2018 17:04

Tgt Ion:188 Resp: 184440
Ion Ratio Lower Upper
188 100
94 3.7 6.9 10.3#
80 4.0 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

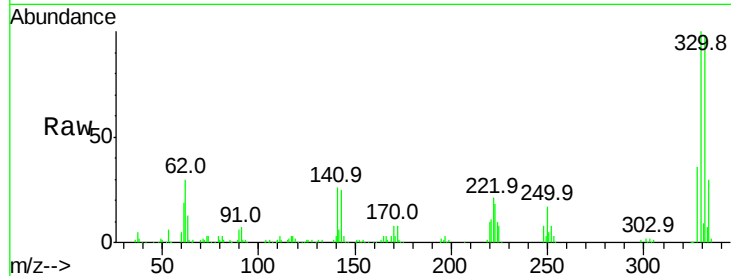




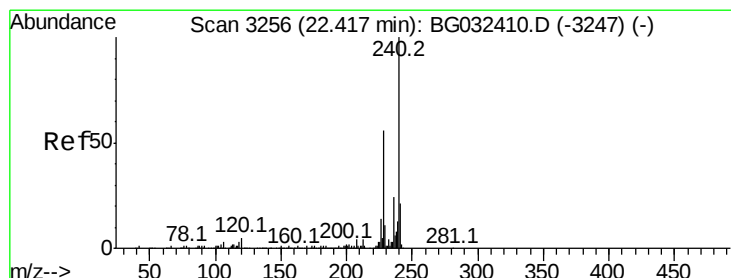
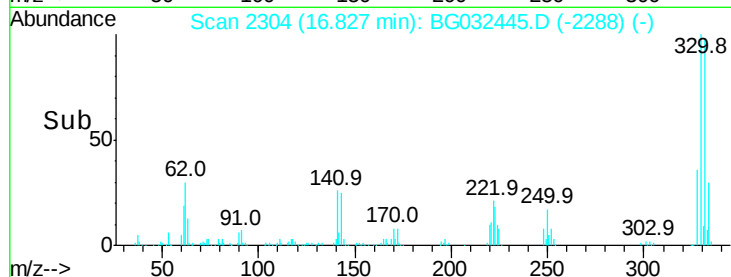
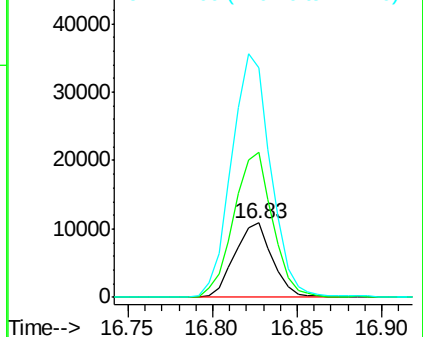
#66
4-Bromophenyl-phenylether
Concen: 6.196 ng
RT: 16.83 min Scan# 2304
Delta R.T. -0.44 min
Lab File: BG032445.D
Acq: 30 Jan 2018 17:04

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 16931
Ion Ratio Lower Upper
248 100
250 195.6 77.1 115.7#
141 310.6 50.8 76.2#

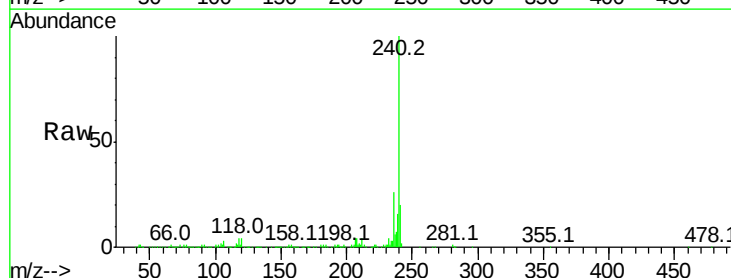


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

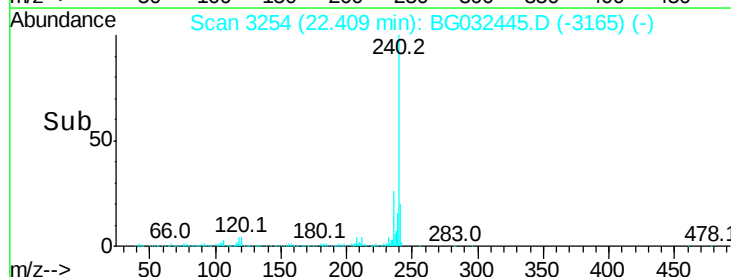
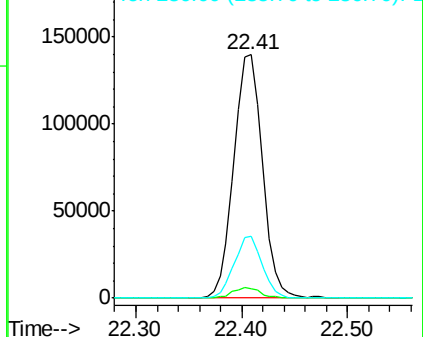


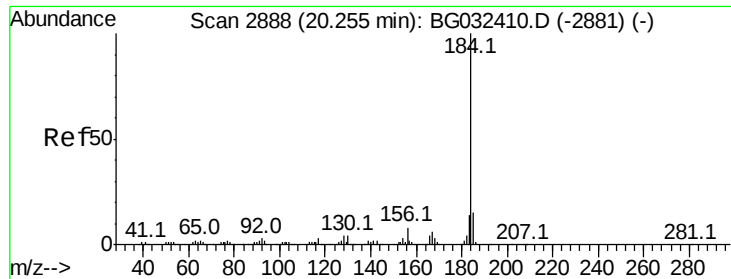
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.41 min Scan# 3254
Delta R.T. -0.01 min
Lab File: BG032445.D
Acq: 30 Jan 2018 17:04

Tgt Ion:240 Resp: 262333
Ion Ratio Lower Upper
240 100
120 4.0 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

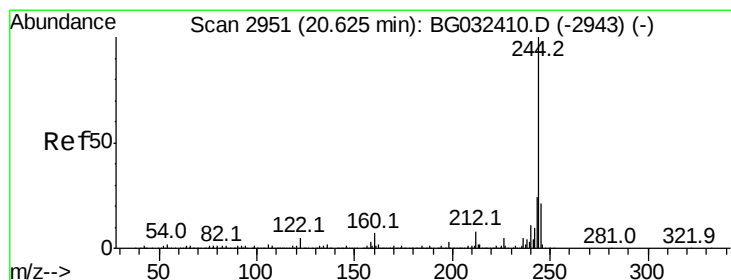
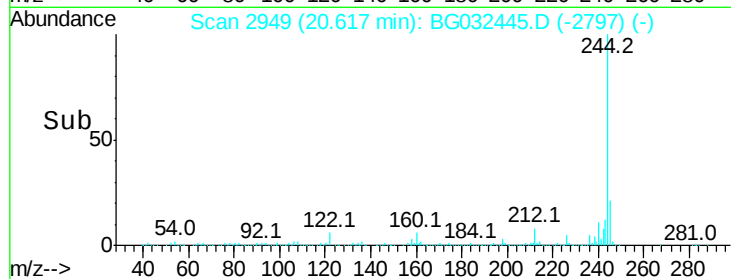
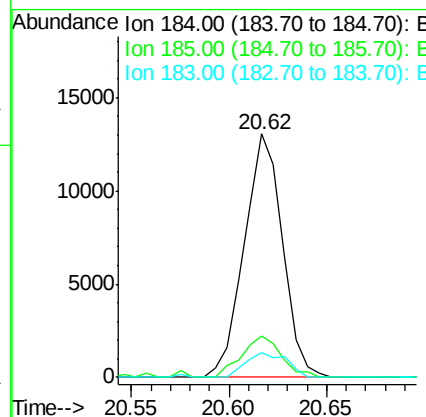
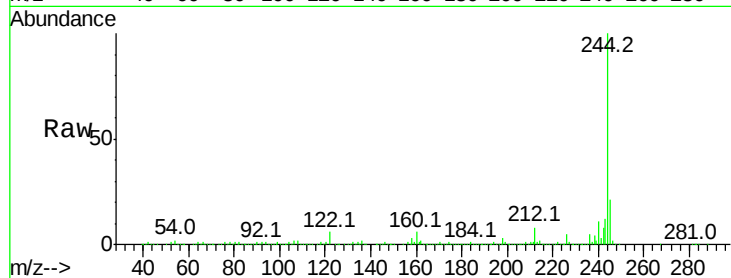




#76
Benzidine
Concen: 3.438 ng
RT: 20.62 min Scan# 2949
Delta R.T. 0.36 min
Lab File: BG032445.D
Acq: 30 Jan 2018 17:04

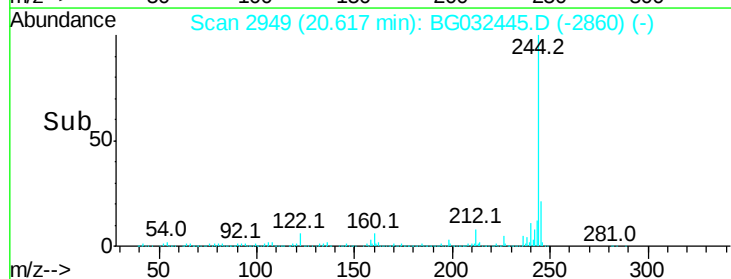
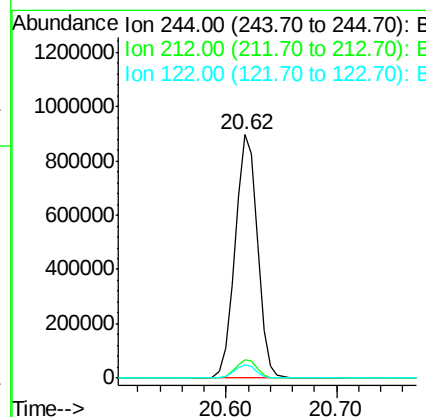
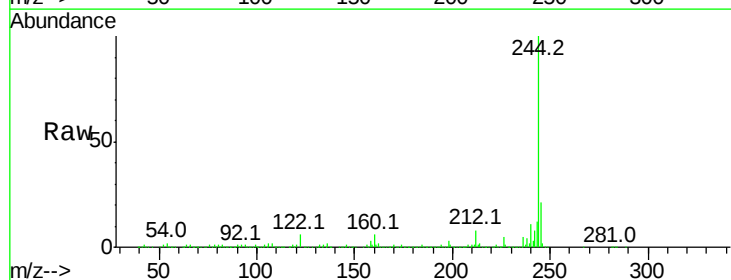
Instrument :
BNA_G
ClientSampleId :

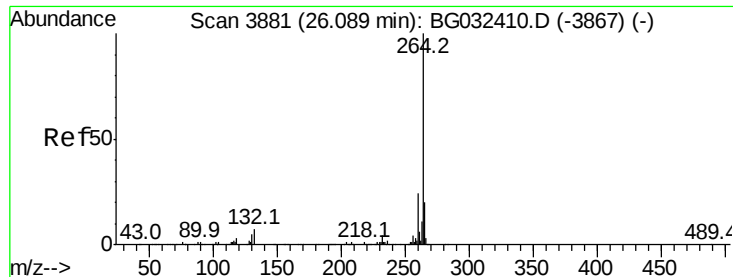
Tot Ion:184 Resp: 17711
Ion Ratio Lower Upper
184 100
185 16.8 11.1 16.7#
183 10.1 10.6 16.0#



#78
Terphenyl-d14
Concen: 104.102 ng
RT: 20.62 min Scan# 2949
Delta R.T. -0.01 min
Lab File: BG032445.D
Acq: 30 Jan 2018 17:04

Tgt Ion:244 Resp: 1274904
Ion Ratio Lower Upper
244 100
212 7.6 5.8 8.8
122 5.6 7.0 10.4#





#86
Pervlene-d12
Concen: 20.000 ng
RT: 26.08 min Scan# 3879
Delta R.T. -0.01 min
Lab File: BG032445.D
Acq: 30 Jan 2018 17:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	21.9	17.4	26.0
265	21.8	17.7	26.5

