

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032277.D
 Acq On : 25 Jan 2018 2:02
 Operator : SJ/JU
 Sample : J1015-13
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 04:17:09 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 24 14:02:41 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	40750	20.00	ng	0.01
21) Naphthalene-d8	11.62	136	160191	20.00	ng	0.00
38) Acenaphthene-d10	15.37	164	110607	20.00	ng	0.00
63) Phenanthrene-d10	18.10	188	307261	20.00	ng	0.00
75) Chrysene-d12	22.42	240	418445	20.00	ng	0.00
86) Perylene-d12	26.11	264	435658	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	6.18	112	282428	126.76	ng	0.02
7) Phenol-d6	7.85	99	323500	115.28	ng	0.01
23) Nitrobenzene-d5	9.94	82	244535	103.28	ng	0.01
41) 2,4,6-Tribromophenol	16.84	330	270756	147.93	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	813822	91.23	ng	0.00
78) Terphenyl-d14	20.64	244	1754027	92.56	ng	0.00

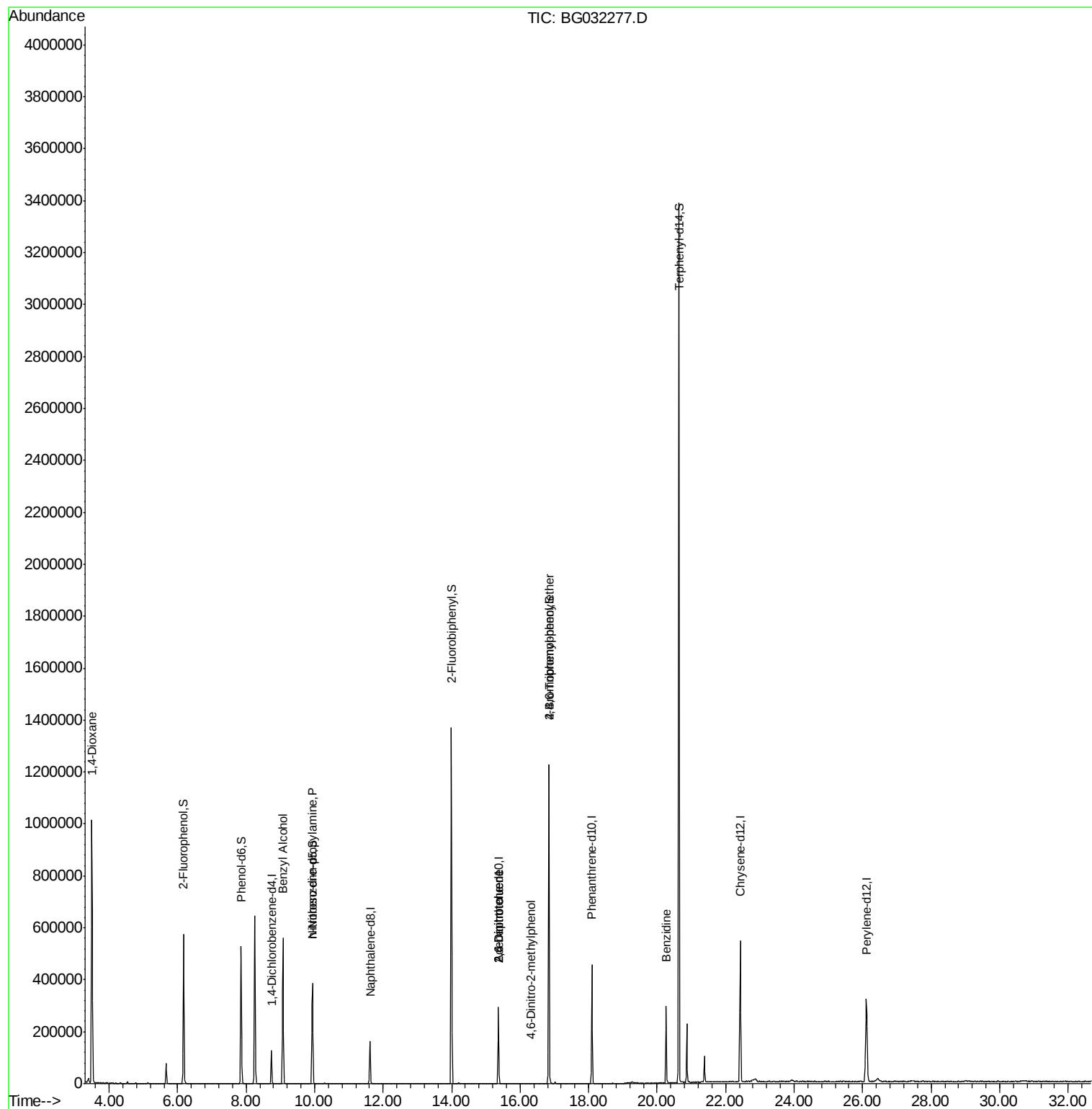
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.50	88	11901	13.903	ng	# 1
15) Benzyl Alcohol	9.07	79	4481	2.198	ng	# 41
19) n-Nitroso-di-n-propylamine	9.93	70	34916	20.054	ng	# 78
50) 2,6-Dinitrotoluene	15.37	165	14489	7.212	ng	# 18
56) 2,4-Dinitrotoluene	15.37	165	14489	5.357	ng	# 16
64) 4,6-Dinitro-2-methylphenol	16.31	198	60	4.912	ng	# 29
66) 4-Bromophenyl-phenylether	16.84	248	22440	5.133	ng	# 1
76) Benzidine	20.26	184	189793	18.138	ng	97

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.74 min Scan# 927

Delta R.T. 0.01 min

Lab File: BG032277.D

Acq: 25 Jan 2018 2:02

Instrument :

BNA_G

ClientSampleId :

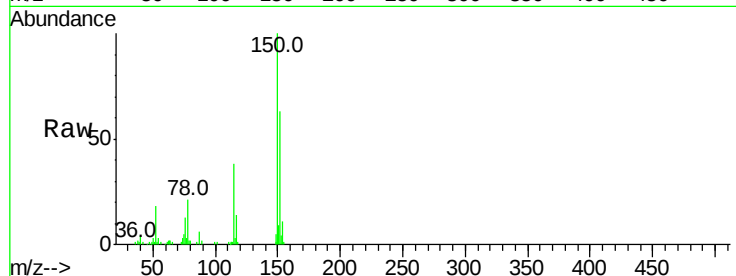
Tot Ion:152 Resp: 40750

Ion Ratio Lower Upper

152 100

150 158.4 126.6 189.8

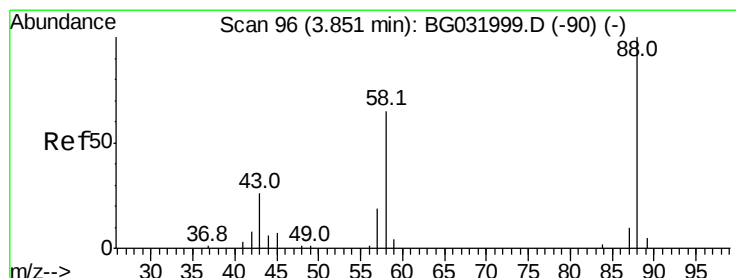
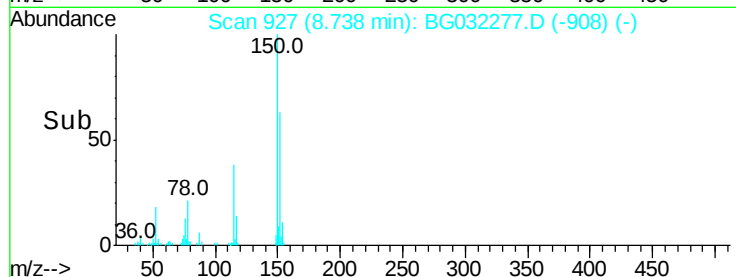
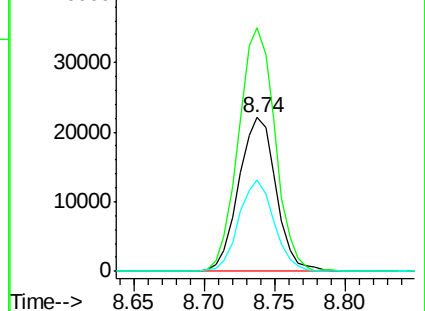
115 59.7 53.0 79.4



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: 13.903 ng

RT: 3.50 min Scan# 35

Delta R.T. -0.33 min

Lab File: BG032277.D

Acq: 25 Jan 2018 2:02

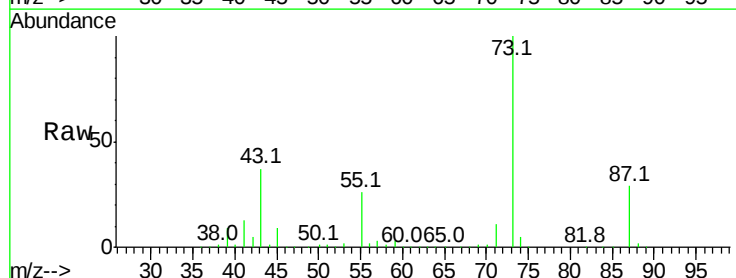
Tgt Ion: 88 Resp: 11901

Ion Ratio Lower Upper

88 100

58 35.4 79.6 119.4#

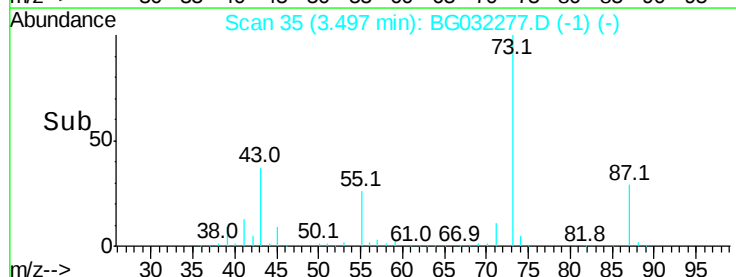
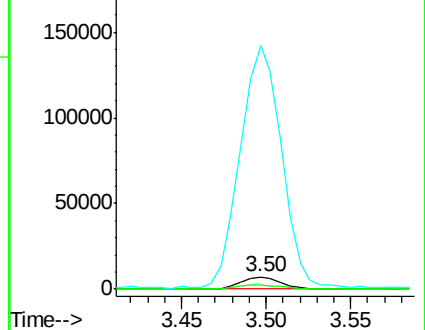
43 2055.2 27.4 41.0#

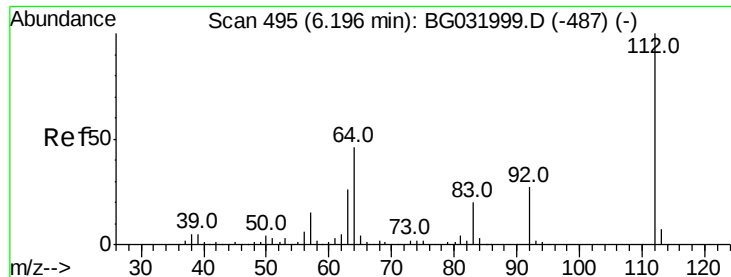


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 126.759 ng

RT: 6.18 min Scan# 491

Delta R.T. 0.02 min

Lab File: BG032277.D

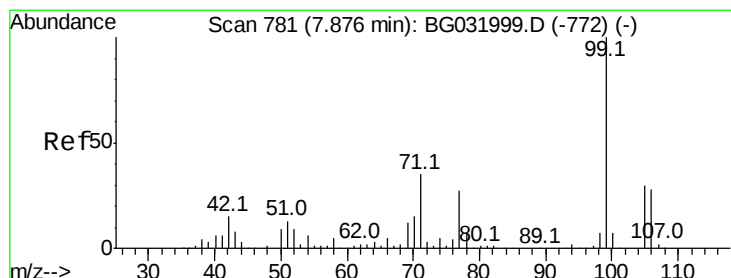
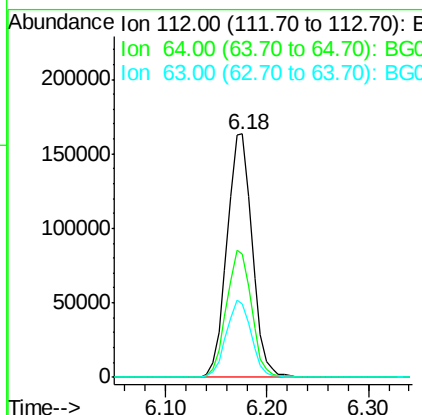
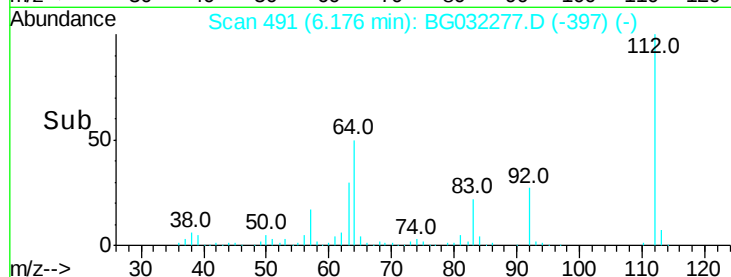
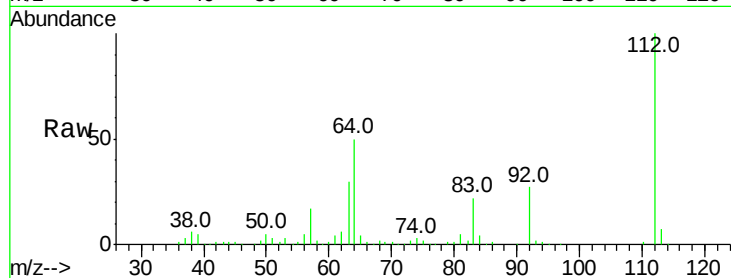
Acq: 25 Jan 2018 2:02

Instrument :

BNA_G

ClientSampled :

Tot Ion:	112	Resp:	282428
Ion Ratio	Lower	Upper	
112	100		
64	50.4	56.3	84.5#
63	30.3	30.1	45.1



#7

Phenol-d6

Concen: 115.284 ng

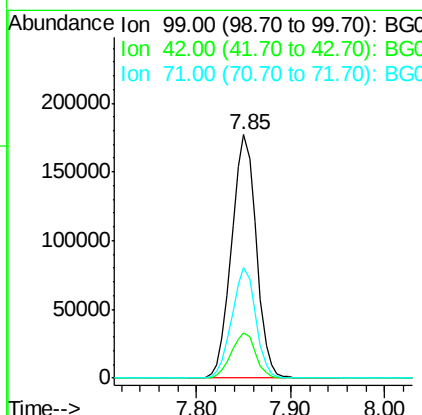
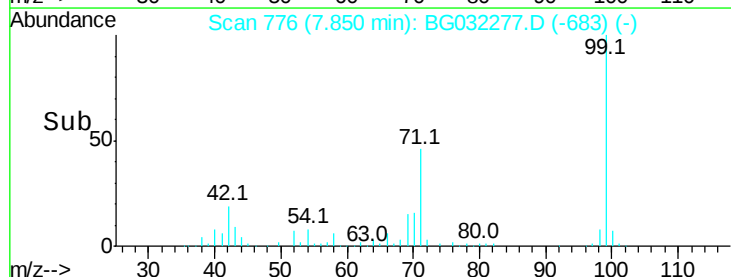
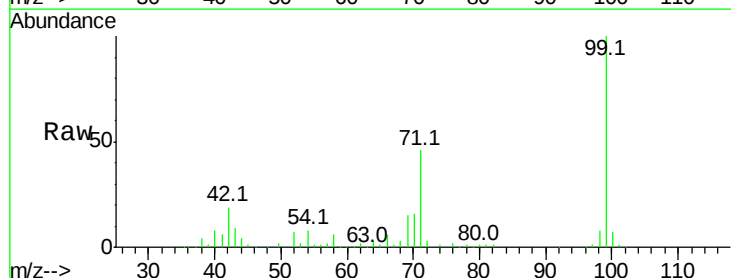
RT: 7.85 min Scan# 776

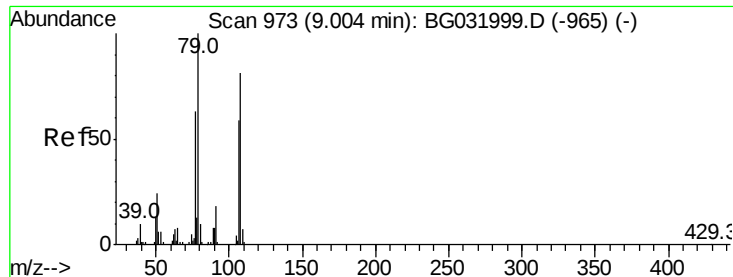
Delta R.T. 0.01 min

Lab File: BG032277.D

Acq: 25 Jan 2018 2:02

Tgt Ion:	99	Resp:	323500
Ion Ratio	Lower	Upper	
99	100		
42	18.6	14.1	21.1
71	45.6	26.1	39.1#





#15

Benzyl Alcohol

Concen: 2.198 ng

RT: 9.07 min Scan# 984

Delta R.T. 0.11 min

Lab File: BG032277.D

Acq: 25 Jan 2018 2:02

Instrument :

BNA_G

ClientSampleId :

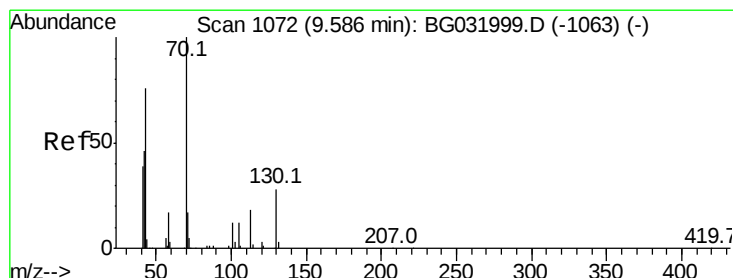
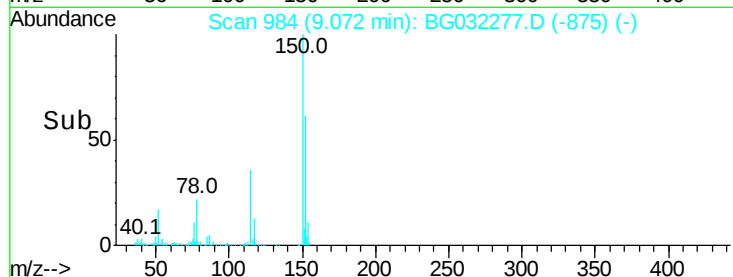
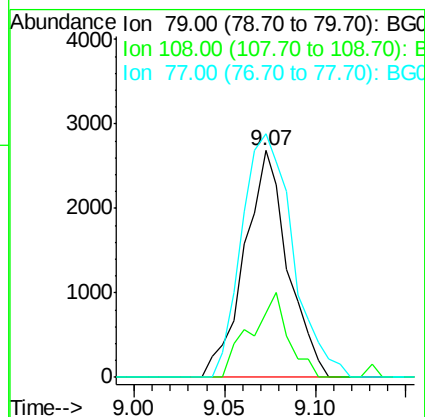
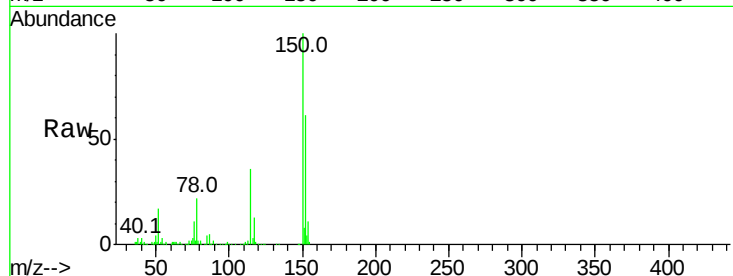
Tot Ion: 79 Resp: 4481

Ion Ratio Lower Upper

79 100

108 28.5 57.2 85.8#

77 107.3 46.1 69.1#



#19

n-Nitroso-di-n-propylamine

Concen: 20.054 ng

RT: 9.93 min Scan# 1130

Delta R.T. 0.39 min

Lab File: BG032277.D

Acq: 25 Jan 2018 2:02

Tgt Ion: 70 Resp: 34916

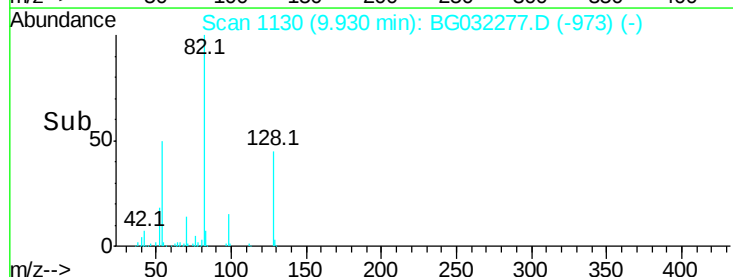
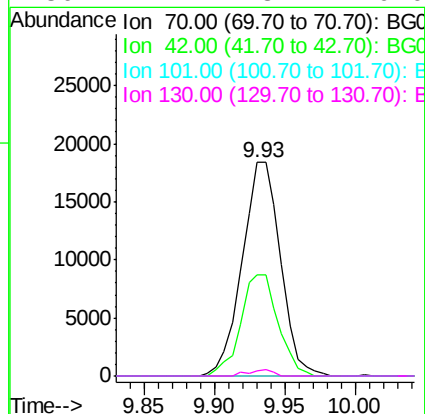
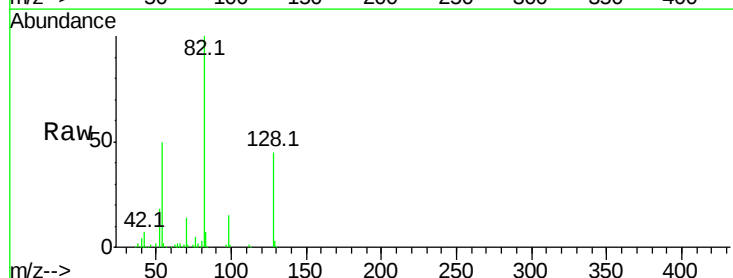
Ion Ratio Lower Upper

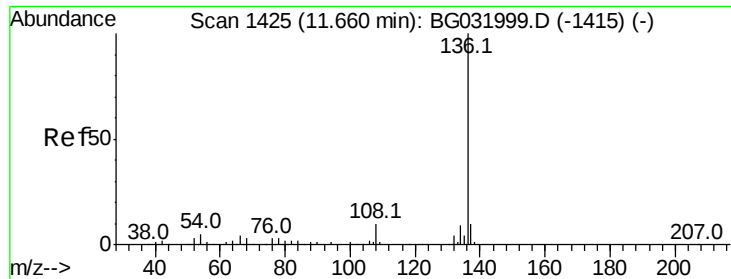
70 100

42 47.2 49.1 73.7#

101 0.0 8.5 12.7#

130 2.4 13.4 20.0#

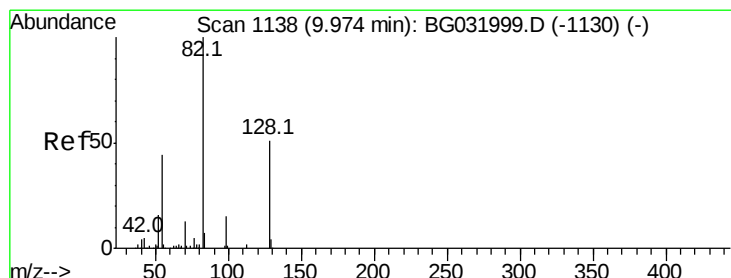
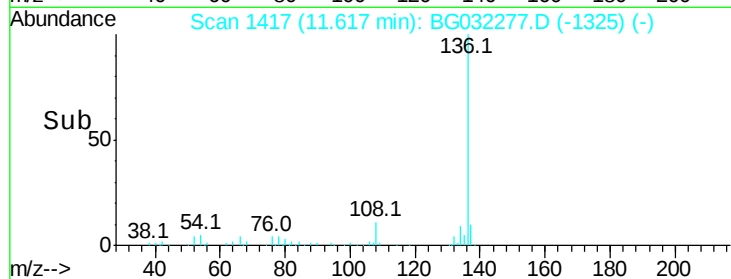
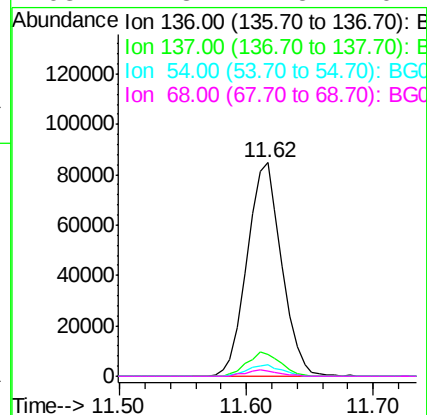
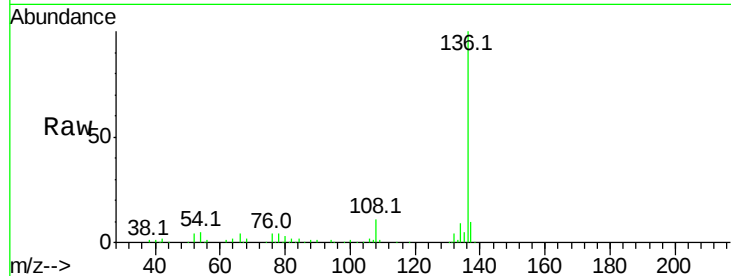




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.62 min Scan# 1417
Delta R.T. 0.01 min
Lab File: BG032277.D
Acq: 25 Jan 2018 2:02

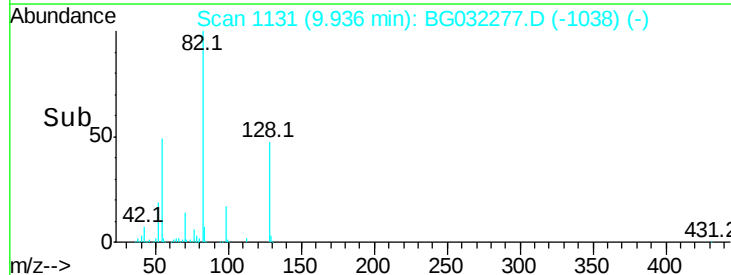
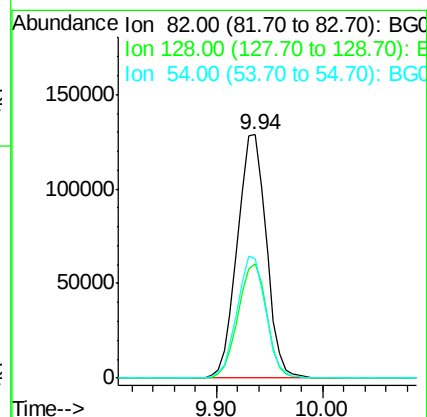
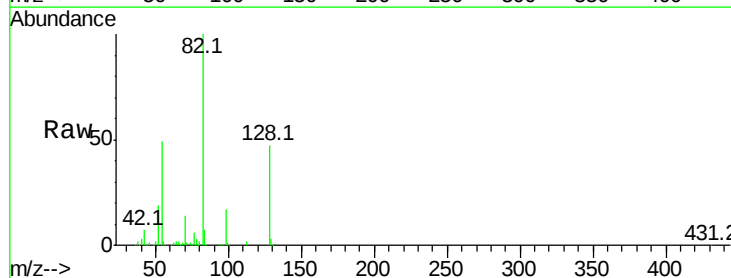
Instrument :
BNA_G
ClientSampleId :

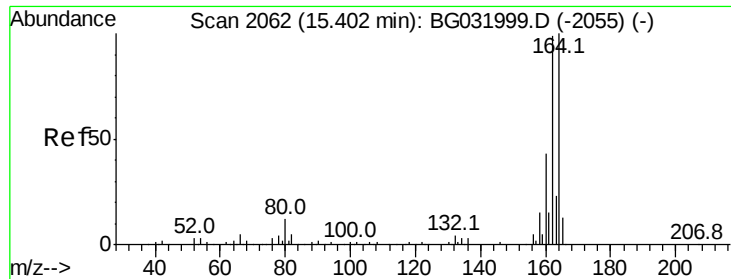
Tot Ion:	136	Resp:	160191
Ion	Ratio	Lower	Upper
136	100		
137	10.0	9.2	13.8
54	5.3	10.3	15.5#
68	2.3	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 103.276 ng
RT: 9.94 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BG032277.D
Acq: 25 Jan 2018 2:02

Tgt Ion:	82	Resp:	244535
Ion	Ratio	Lower	Upper
82	100		
128	47.2	29.7	44.5#
54	49.0	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.37 min Scan# 2055

Delta R.T. 0.00 min

Lab File: BG032277.D

Acq: 25 Jan 2018 2:02

Instrument :

BNA_G

ClientSampleId :

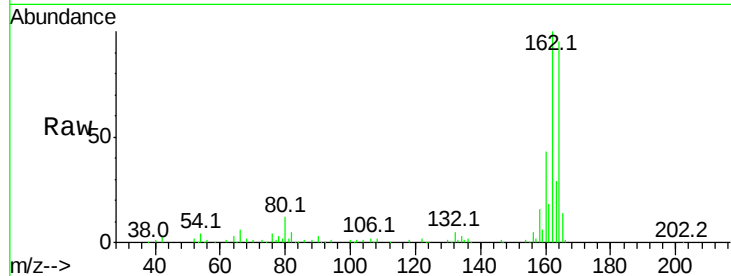
Tot Ion:164 Resp: 110607

Ion Ratio Lower Upper

164 100

162 105.5 78.8 118.2

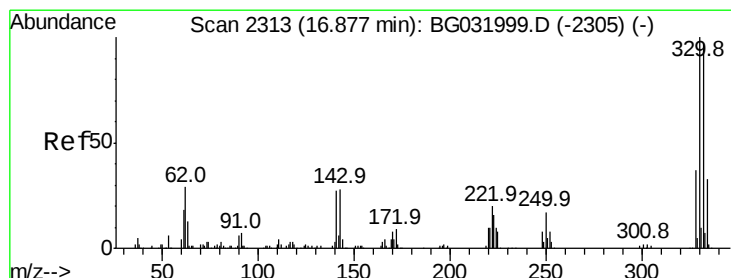
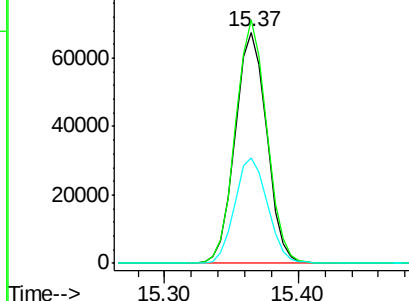
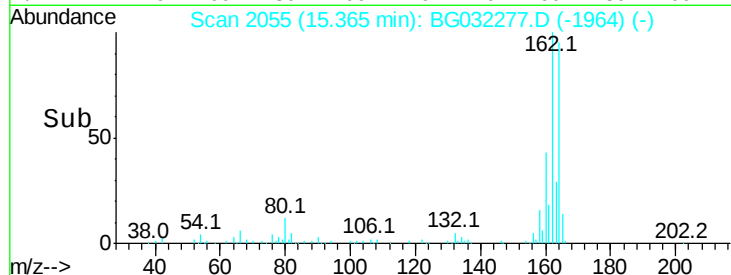
160 45.6 35.4 53.0



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: 147.931 ng

RT: 16.84 min Scan# 2306

Delta R.T. 0.00 min

Lab File: BG032277.D

Acq: 25 Jan 2018 2:02

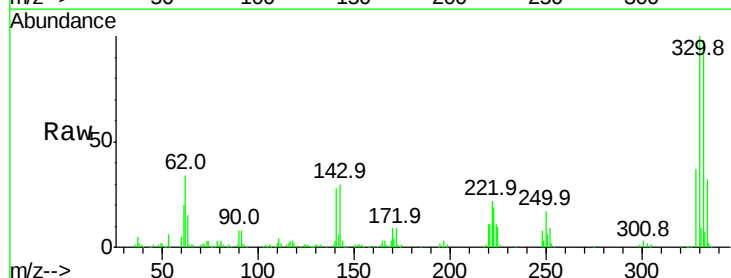
Tgt Ion:330 Resp: 270756

Ion Ratio Lower Upper

330 100

332 98.1 77.0 115.6

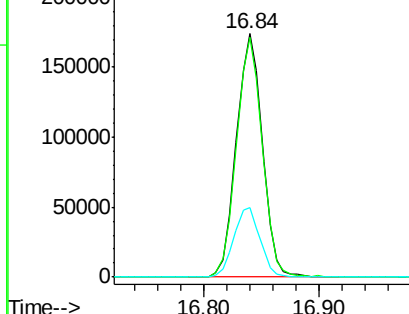
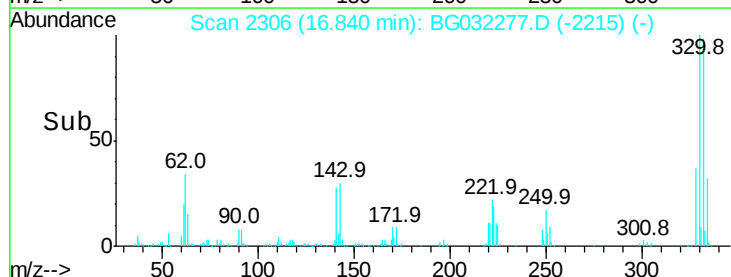
141 29.2 25.2 37.8

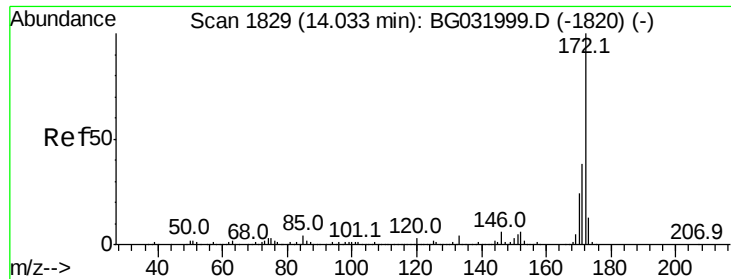


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

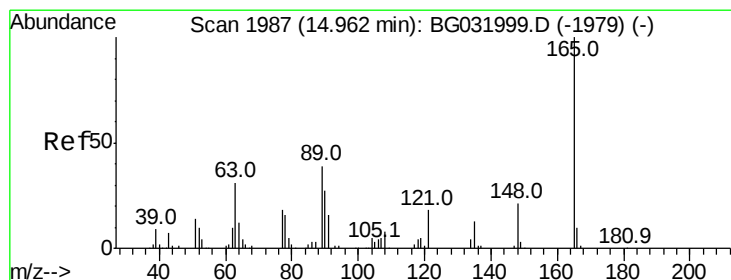
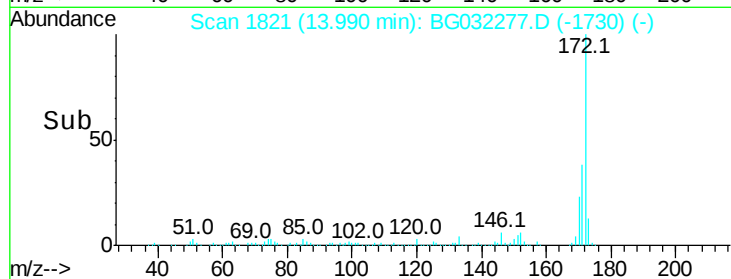
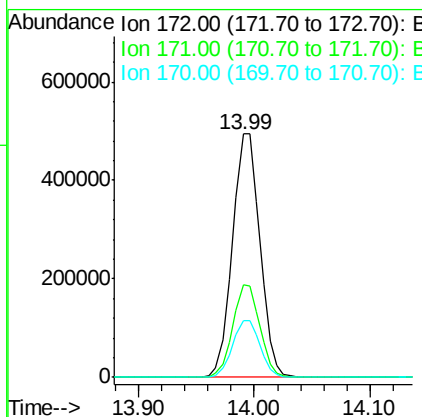
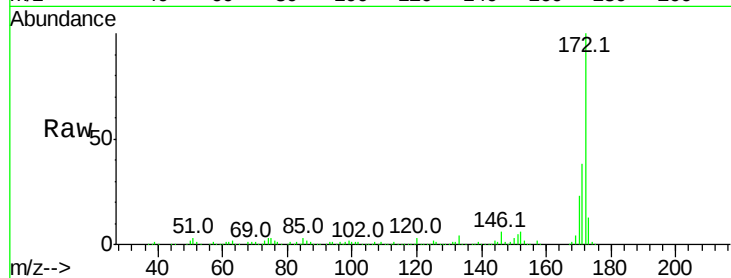




#44
 2-Fluorobiphenyl
 Concen: 91.233 ng
 RT: 13.99 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: BG032277.D
 Acq: 25 Jan 2018 2:02

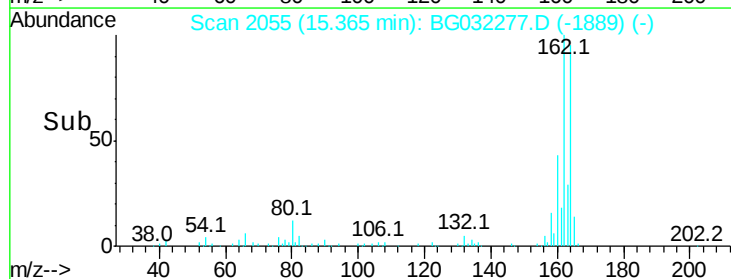
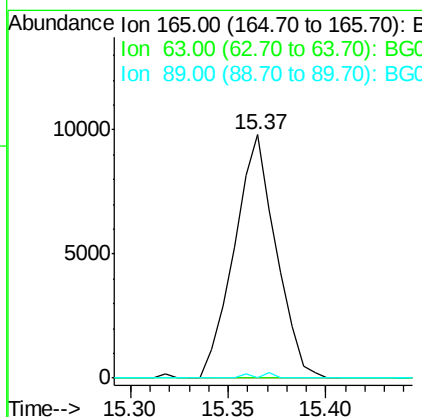
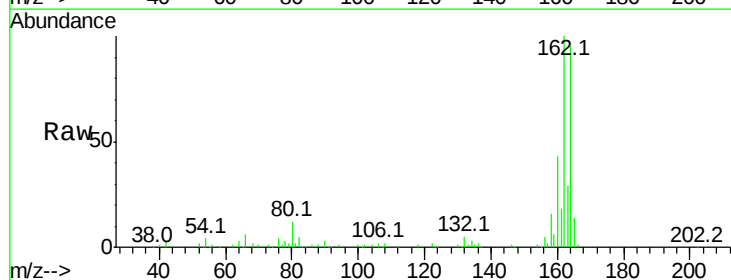
Instrument :
 BNA_G
 ClientSampleId :

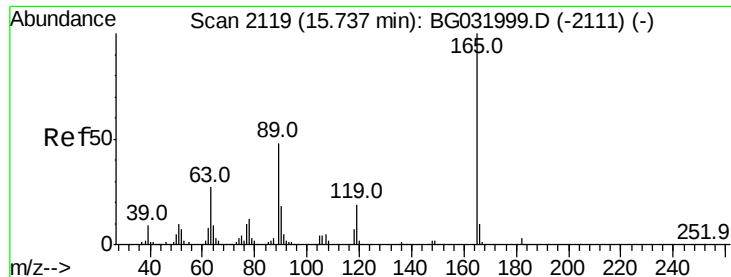
Tot Ion:172 Resp: 813822
 Ion Ratio Lower Upper
 172 100
 171 38.2 30.0 45.0
 170 23.2 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.212 ng
 RT: 15.37 min Scan# 2055
 Delta R.T. 0.44 min
 Lab File: BG032277.D
 Acq: 25 Jan 2018 2:02

Tgt Ion:165 Resp: 14489
 Ion Ratio Lower Upper
 165 100
 63 0.0 52.7 79.1#
 89 0.0 49.2 73.8#

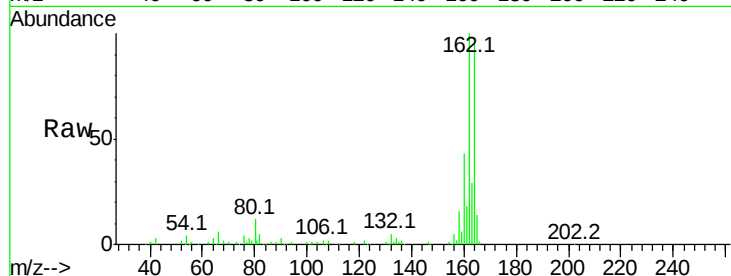




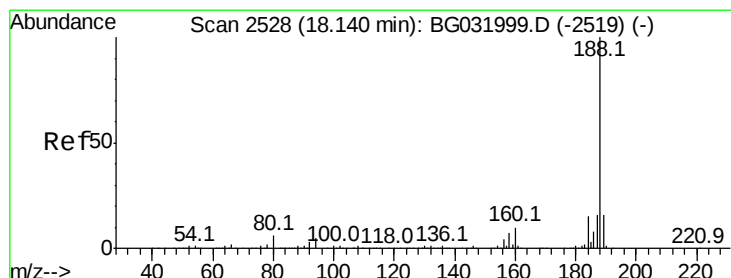
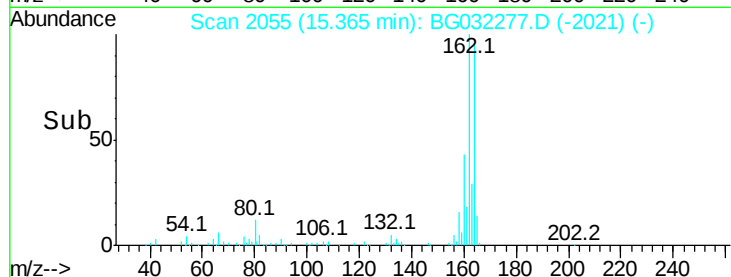
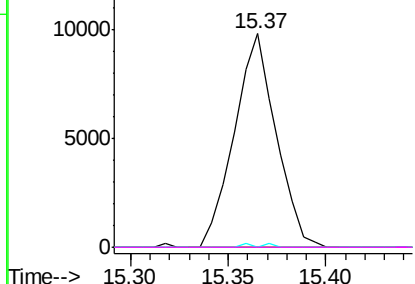
#56
2,4-Dinitrotoluene
Concen: 5.357 ng
RT: 15.37 min Scan# 2055
Delta R.T. -0.33 min
Lab File: BG032277.D
Acq: 25 Jan 2018 2:02

Instrument :
BNA_G
ClientSampleId :

Tot Ion:165 Resp: 14489
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#

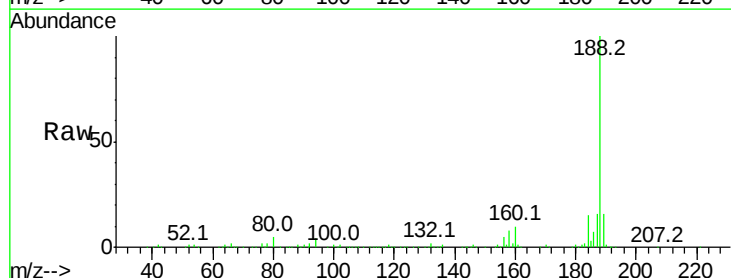


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E

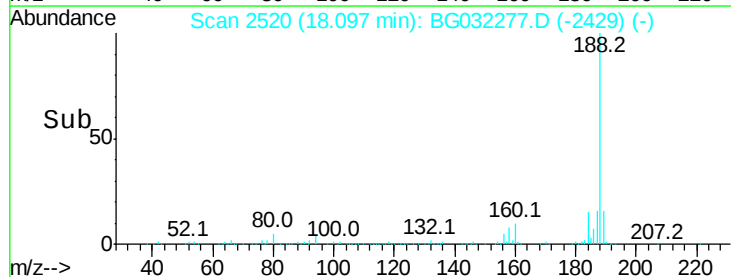
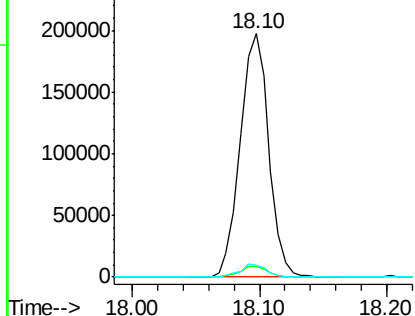


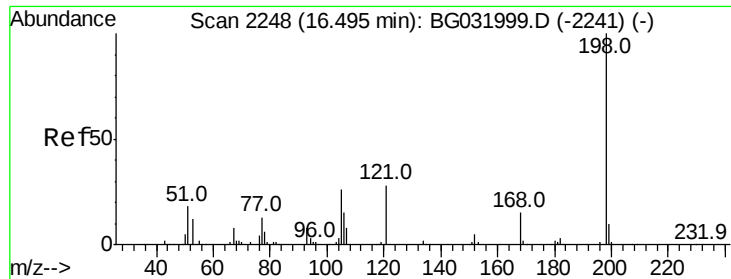
#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.10 min Scan# 2520
Delta R.T. 0.00 min
Lab File: BG032277.D
Acq: 25 Jan 2018 2:02

Tgt Ion:188 Resp: 307261
Ion Ratio Lower Upper
188 100
94 4.3 6.9 10.3#
80 5.0 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

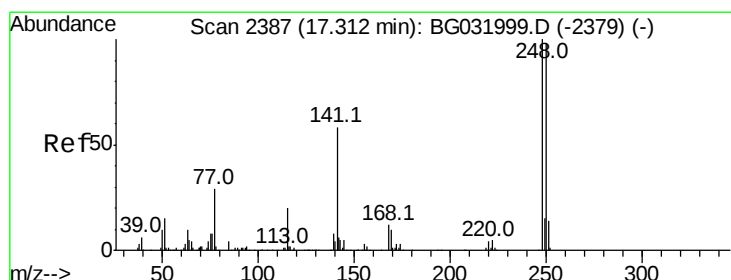
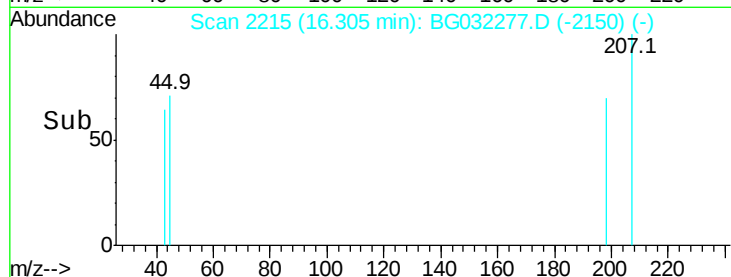
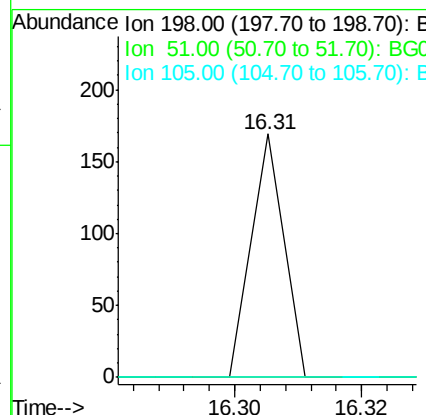
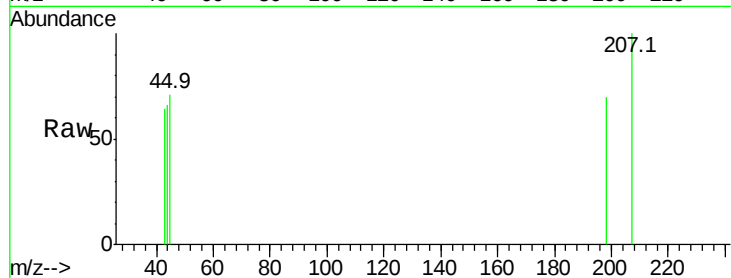




#64
 4,6-Dinitro-2-methylphenol
 Concen: 4.912 ng
 RT: 16.31 min Scan# 2215
 Delta R.T. -0.15 min
 Lab File: BG032277.D
 Acq: 25 Jan 2018 2:02

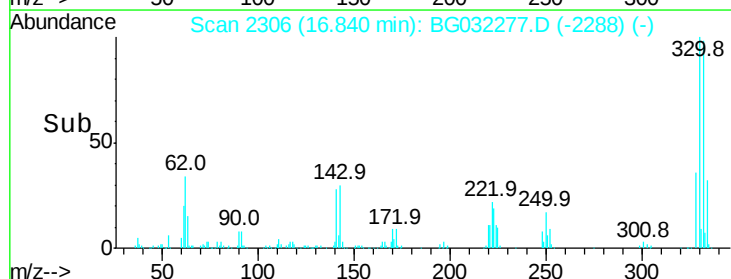
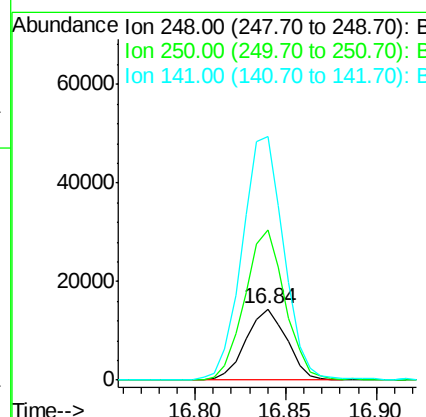
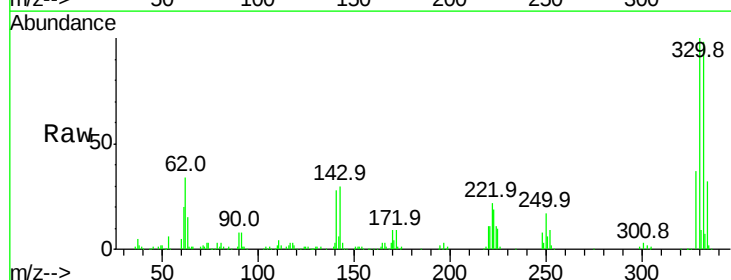
Instrument :
 BNA_G
 ClientSampleId :

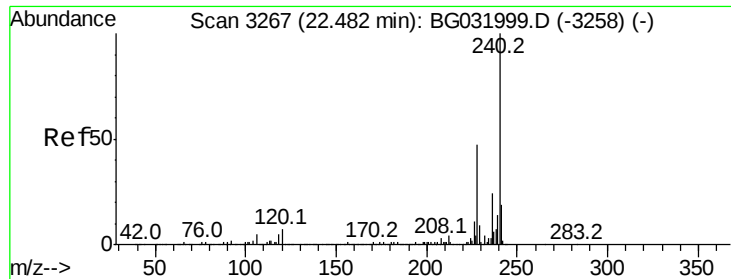
Tot Ion:198 Resp: 60
 Ion Ratio Lower Upper
 198 100
 51 0.0 30.6 70.6#
 105 0.0 23.8 63.8#



#66
 4-Bromophenyl-phenylether
 Concen: 5.133 ng
 RT: 16.84 min Scan# 2306
 Delta R.T. -0.43 min
 Lab File: BG032277.D
 Acq: 25 Jan 2018 2:02

Tgt Ion:248 Resp: 22440
 Ion Ratio Lower Upper
 248 100
 250 211.8 77.1 115.7#
 141 343.7 50.8 76.2#





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.42 min Scan# 3256

Delta R.T. -0.00 min

Lab File: BG032277.D

Acq: 25 Jan 2018 2:02

Instrument :

BNA_G

ClientSampleId :

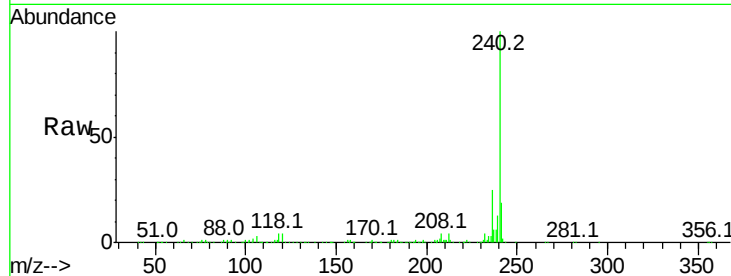
Tot Ion:240 Resp: 418445

Ion Ratio Lower Upper

240 100

120 3.8 6.8 10.2#

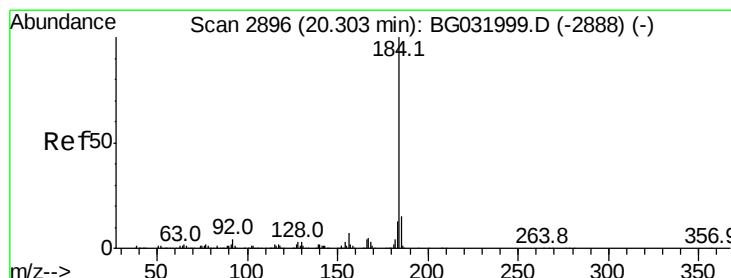
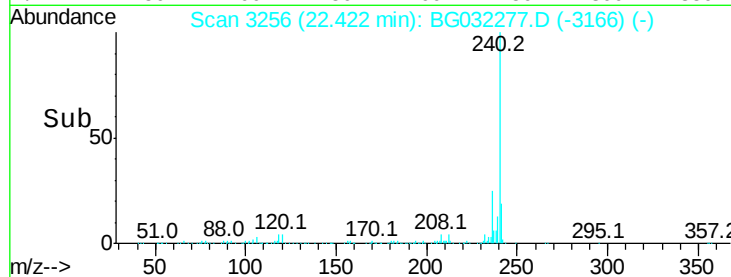
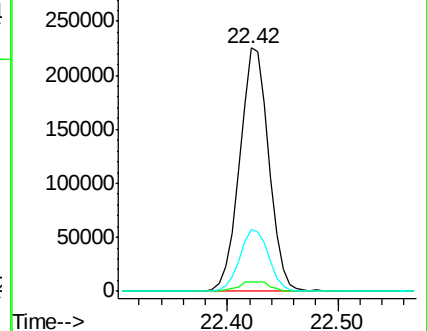
236 25.2 20.9 31.3



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: 18.138 ng

RT: 20.26 min Scan# 2888

Delta R.T. -0.00 min

Lab File: BG032277.D

Acq: 25 Jan 2018 2:02

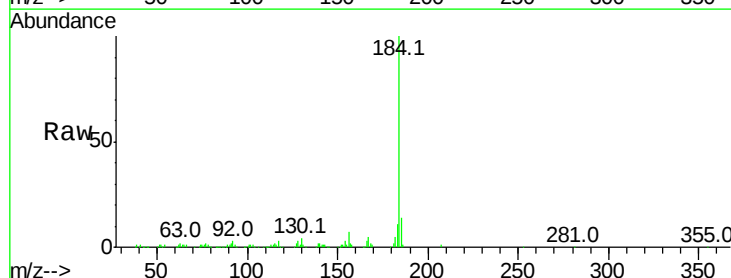
Tgt Ion:184 Resp: 189793

Ion Ratio Lower Upper

184 100

185 14.2 11.1 16.7

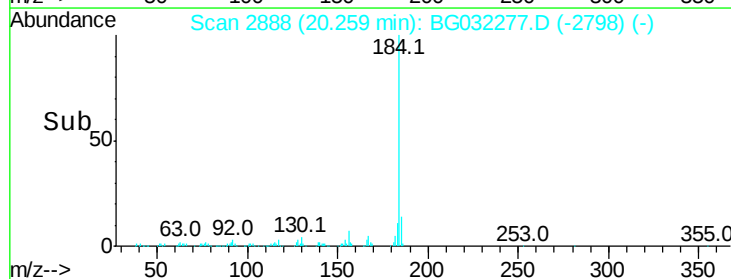
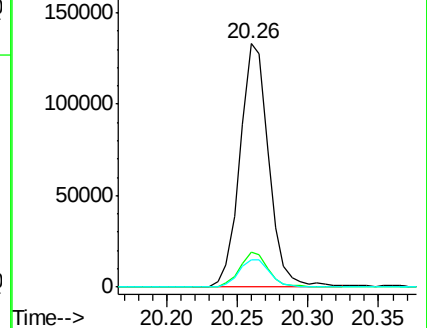
183 11.4 10.6 16.0

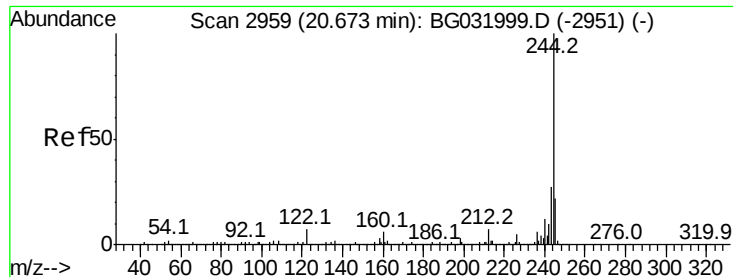


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 92.556 ng

RT: 20.64 min Scan# 2952

Delta R.T. 0.00 min

Lab File: BG032277.D

Acq: 25 Jan 2018 2:02

Instrument :

BNA_G

ClientSampleId :

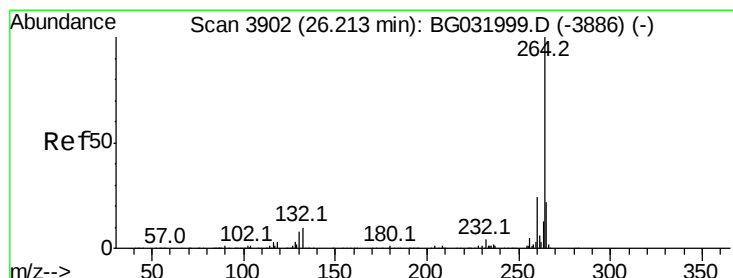
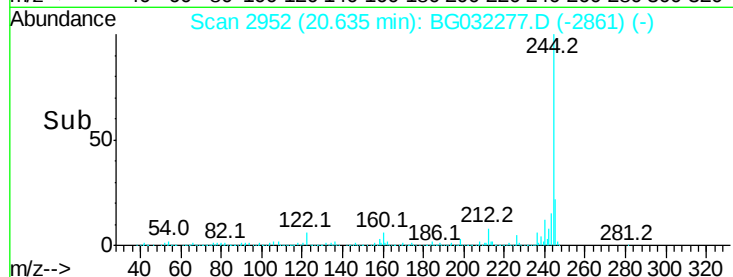
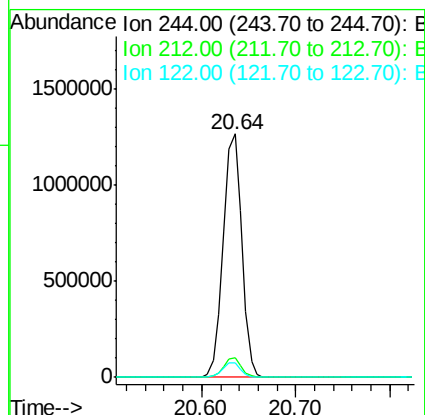
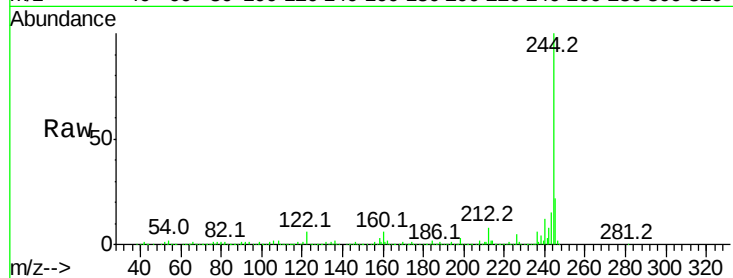
Tot Ion:244 Resp: 1754027

Ion Ratio Lower Upper

244 100

212 8.1 5.8 8.8

122 5.9 7.0 10.4#



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.11 min Scan# 3883

Delta R.T. -0.00 min

Lab File: BG032277.D

Acq: 25 Jan 2018 2:02

Tgt Ion:264 Resp: 435658

Ion Ratio Lower Upper

264 100

260 22.2 17.4 26.0

265 20.5 17.7 26.5

