

Data Path : U:\HPCHEM1\BNA G\DATA\BG012418\
 Data File : BG032268.D
 Acq On : 24 Jan 2018 19:40
 Operator : SJ/JU
 Sample : J1250-03
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 25 04:13:40 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

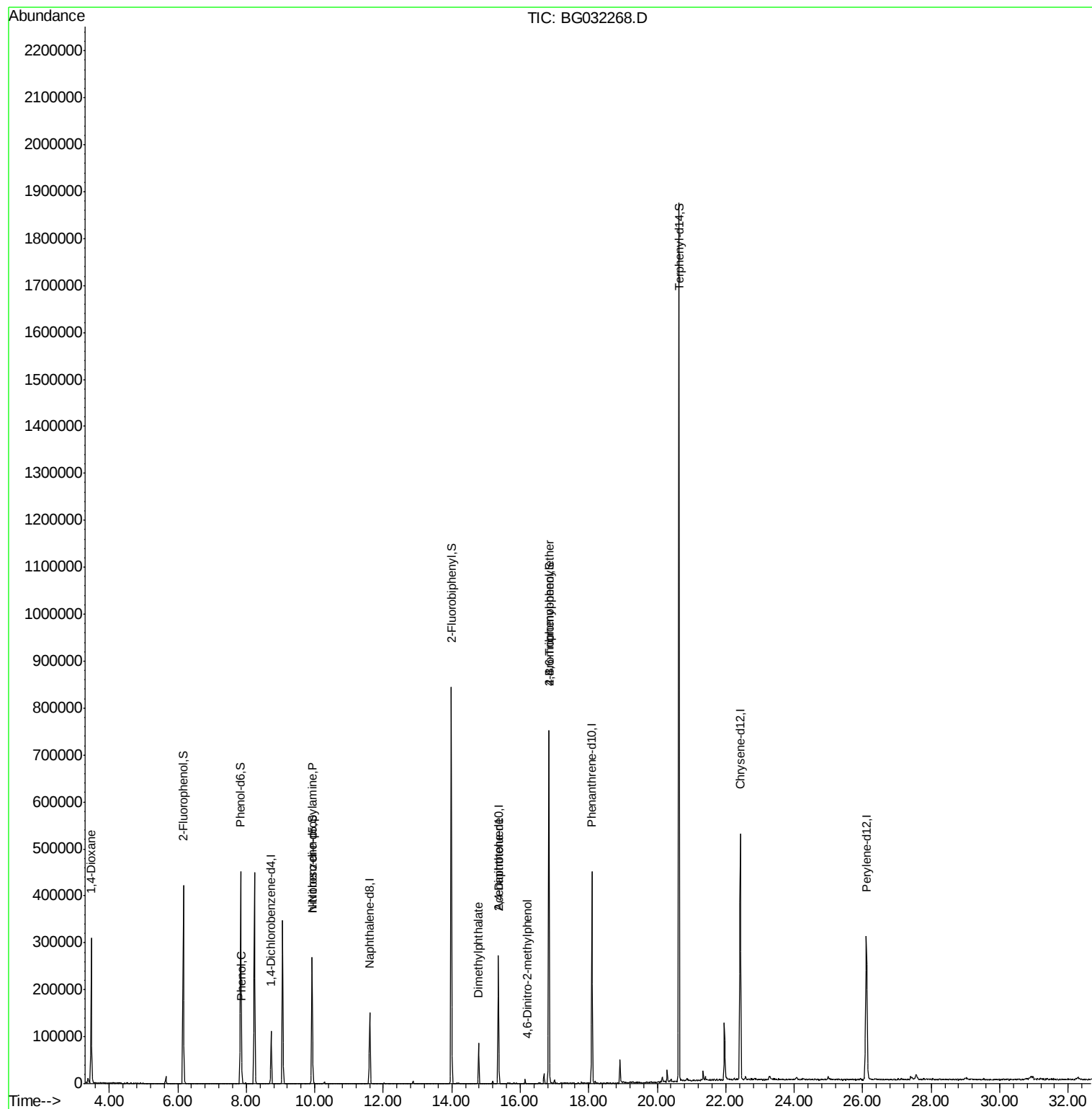
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.72	152	37201	20.00	ng	0.00
21) Naphthalene-d8	11.61	136	148374	20.00	ng	0.00
38) Acenaphthene-d10	15.36	164	106808	20.00	ng	0.00
63) Phenanthrene-d10	18.09	188	303094	20.00	ng	0.00
75) Chrysene-d12	22.42	240	393512	20.00	ng	0.00
86) Perylene-d12	26.11	264	406143	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.16	112	215969	106.18	ng	0.00
7) Phenol-d6	7.83	99	272868	106.52	ng	0.00
23) Nitrobenzene-d5	9.92	82	165860	75.63	ng	0.00
41) 2,4,6-Tribromophenol	16.84	330	173687	98.27	ng	0.00
44) 2-Fluorobiphenyl	13.99	172	491796	57.09	ng	0.00
78) Terphenyl-d14	20.63	244	1013345	56.86	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.47	88	2961	3.789	ng	Qvalue # 1
10) Phenol	7.86	94	12880	5.104	ng	98
19) n-Nitroso-di-n-propylamine	9.92	70	23701	14.911	ng	# 78
49) Dimethylphthalate	14.79	163	66766	7.143	ng	# 95
56) 2,4-Dinitrotoluene	15.36	165	13792	5.280	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.20	198	54	4.909	ng	# 29
66) 4-Bromophenyl-phenylether	16.84	248	14926	3.461	ng	# 1

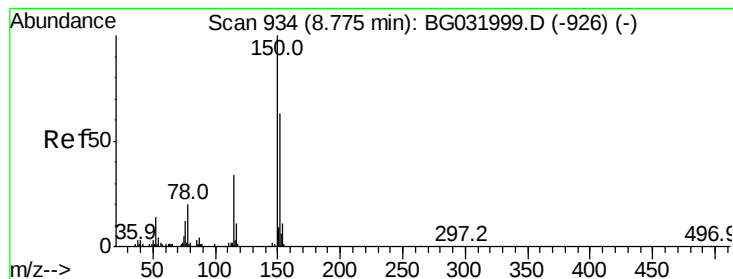
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jan 24 14:02:41 2018
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.72 min Scan# 925

Delta R.T. -0.00 min

Lab File: BG032268.D

Acq: 24 Jan 2018 19:40

Instrument :

BNA_G

ClientSampleId :

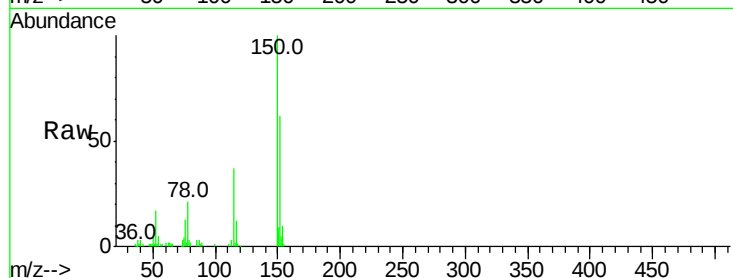
Tot Ion:152 Resp: 37201

Ion Ratio Lower Upper

152 100

150 162.2 126.6 189.8

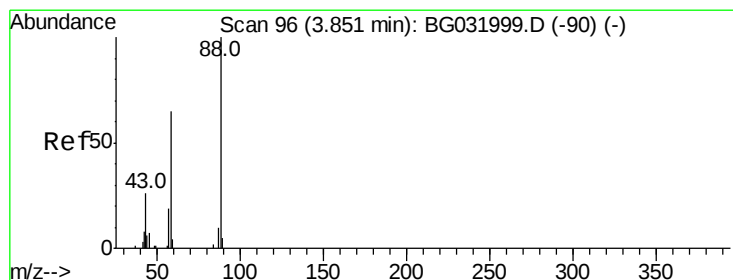
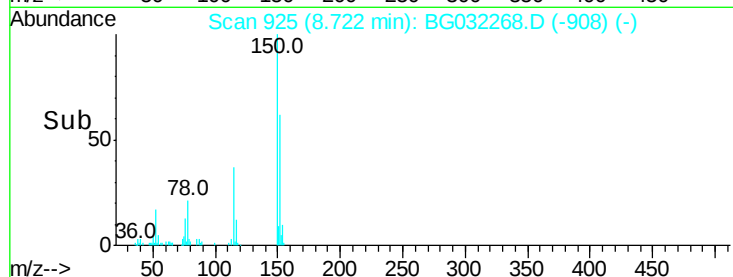
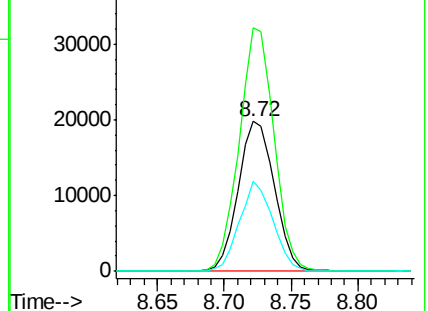
115 59.9 53.0 79.4



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: 3.789 ng

RT: 3.47 min Scan# 31

Delta R.T. -0.35 min

Lab File: BG032268.D

Acq: 24 Jan 2018 19:40

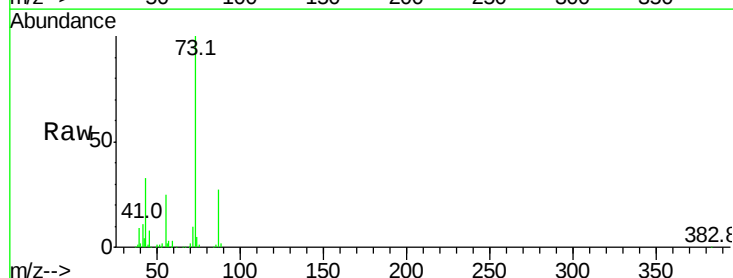
Tgt Ion: 88 Resp: 2961

Ion Ratio Lower Upper

88 100

58 44.1 79.6 119.4#

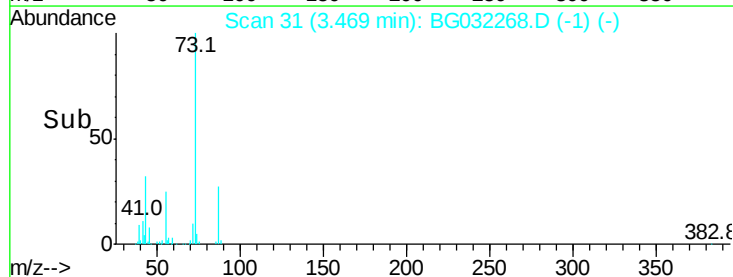
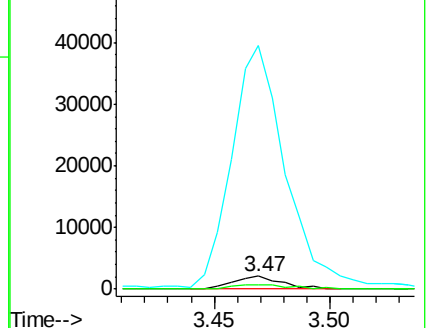
43 2177.2 27.4 41.0#

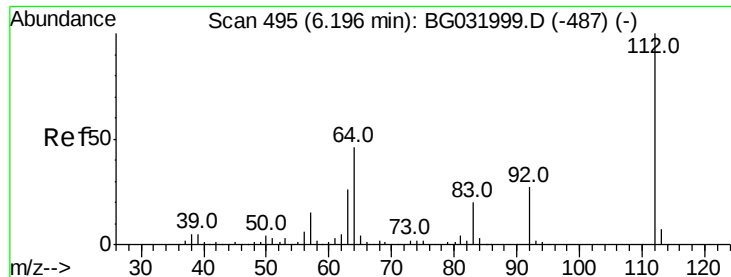


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 106.178 ng

RT: 6.16 min Scan# 489

Delta R.T. 0.00 min

Lab File: BG032268.D

Acq: 24 Jan 2018 19:40

Instrument :

BNA_G

ClientSampleId :

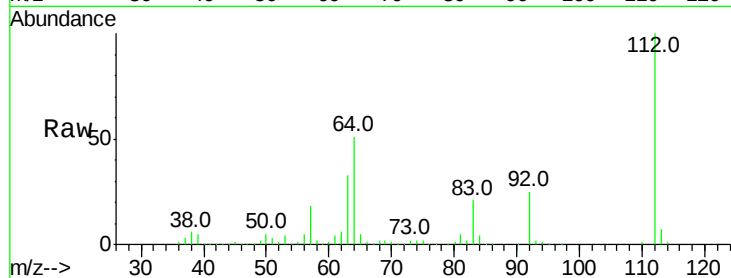
Tot Ion:112 Resp: 215969

Ion Ratio Lower Upper

112 100

64 50.8 56.3 84.5#

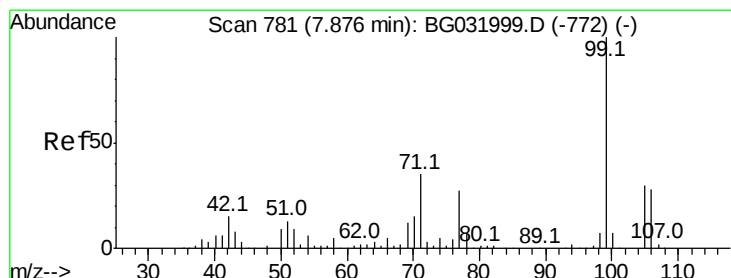
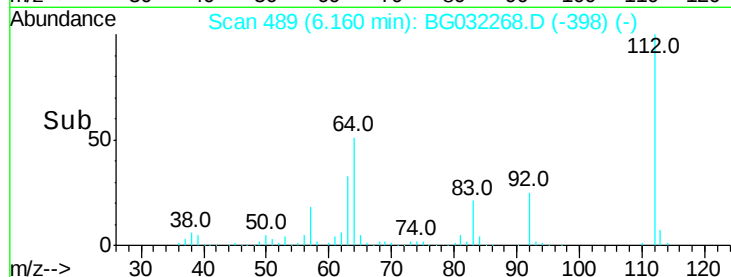
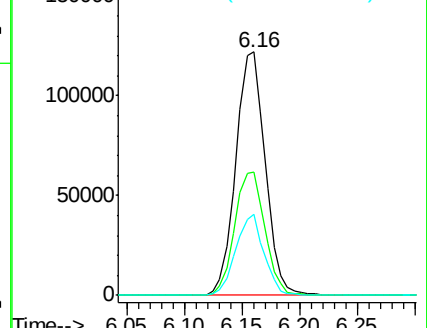
63 33.1 30.1 45.1



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: 106.517 ng

RT: 7.83 min Scan# 774

Delta R.T. -0.00 min

Lab File: BG032268.D

Acq: 24 Jan 2018 19:40

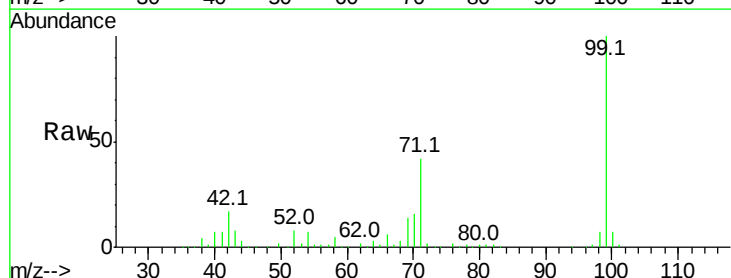
Tgt Ion: 99 Resp: 272868

Ion Ratio Lower Upper

99 100

42 17.3 14.1 21.1

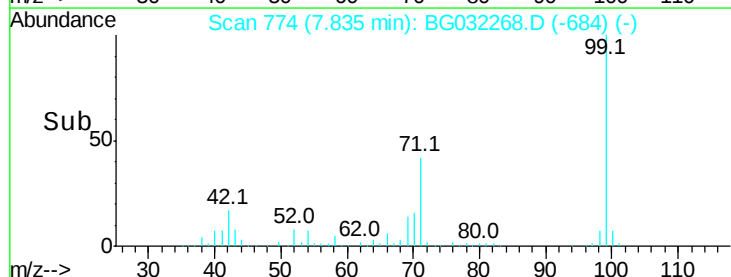
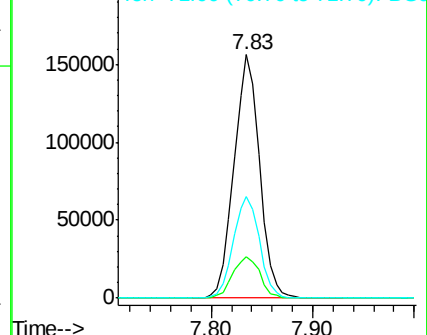
71 41.9 26.1 39.1#

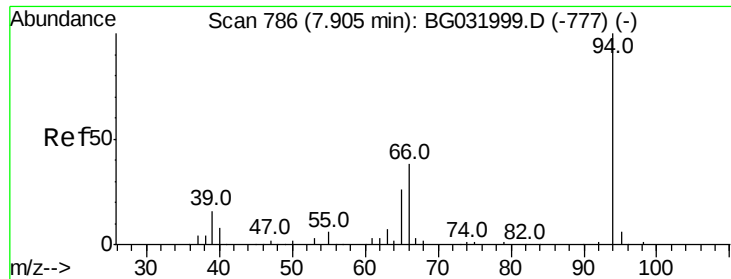


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#10

Phenol

Concen: 5.104 ng

RT: 7.86 min Scan# 779

Delta R.T. -0.00 min

Lab File: BG032268.D

Acq: 24 Jan 2018 19:40

Instrument :

BNA_G

ClientSampleId :

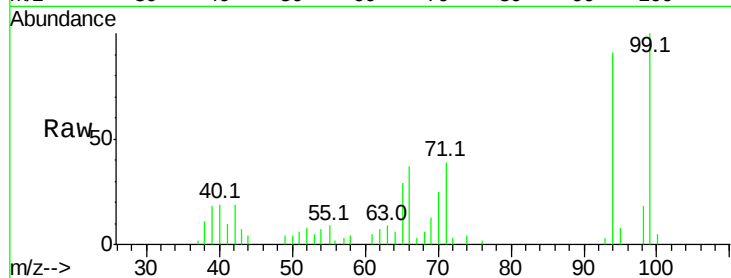
Tot Ion: 94 Resp: 12880

Ion Ratio Lower Upper

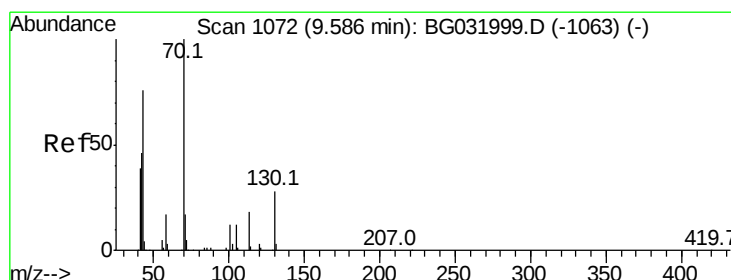
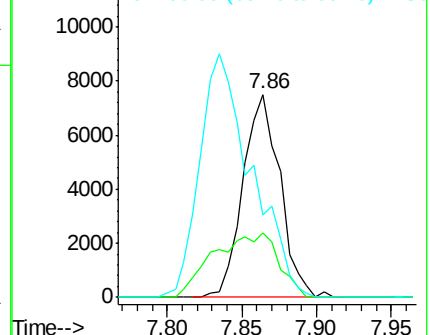
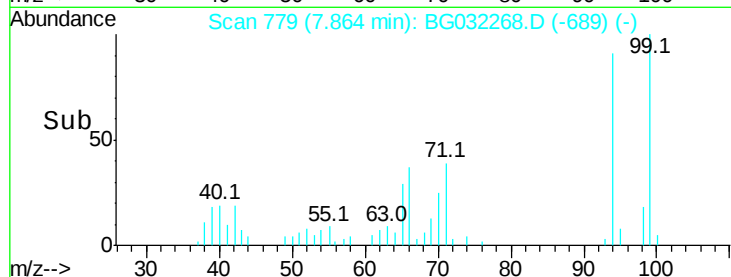
94 100

65 31.5 11.9 51.9

66 40.2 22.2 62.2



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 14.911 ng

RT: 9.92 min Scan# 1129

Delta R.T. 0.38 min

Lab File: BG032268.D

Acq: 24 Jan 2018 19:40

Tgt Ion: 70 Resp: 23701

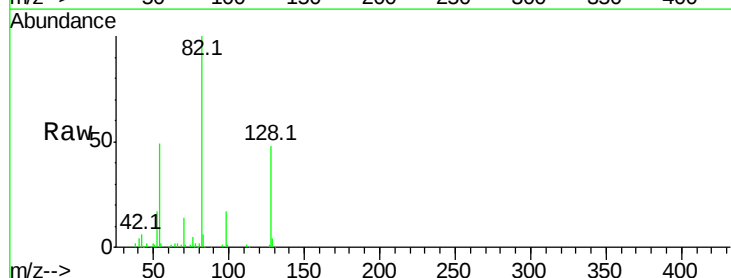
Ion Ratio Lower Upper

70 100

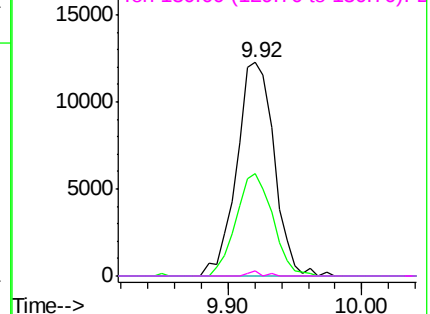
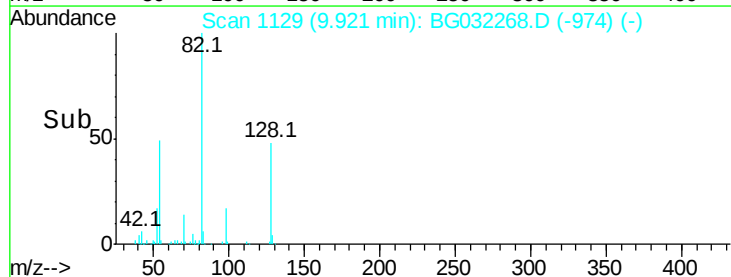
42 48.1 49.1 73.7#

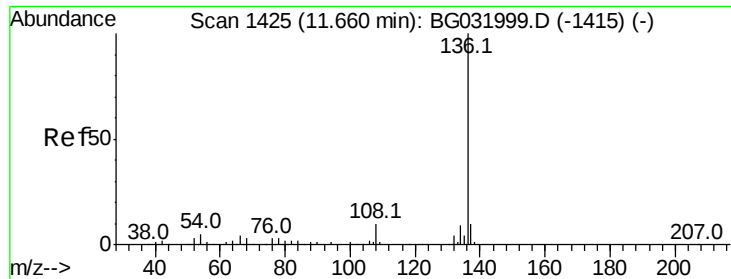
101 0.0 8.5 12.7#

130 2.5 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

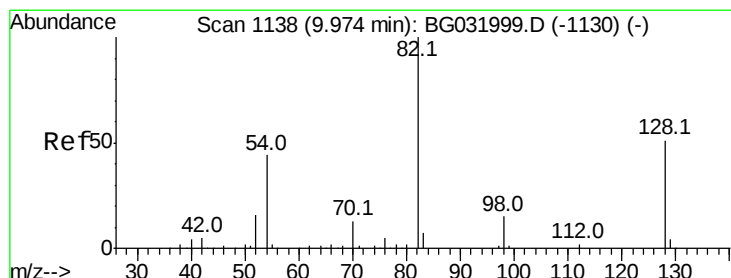
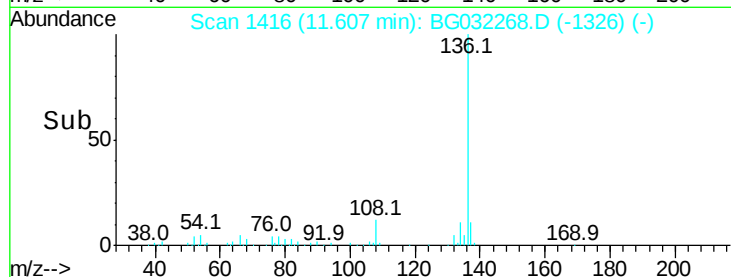
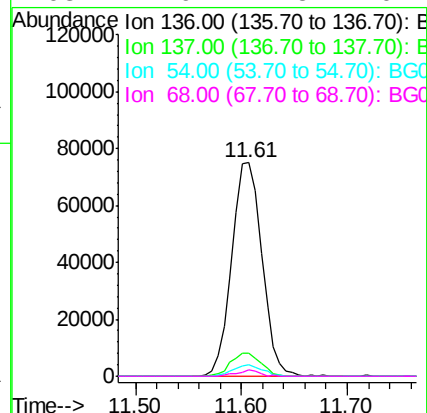
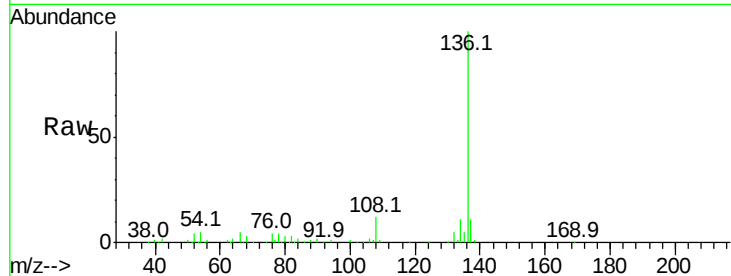




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.61 min Scan# 1416
Delta R.T. -0.00 min
Lab File: BG032268.D
Acq: 24 Jan 2018 19:40

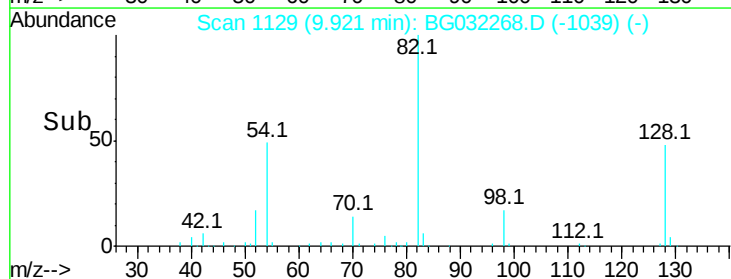
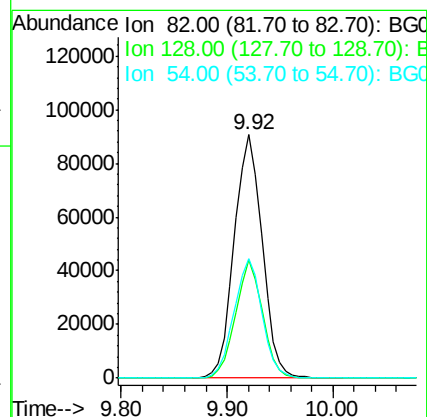
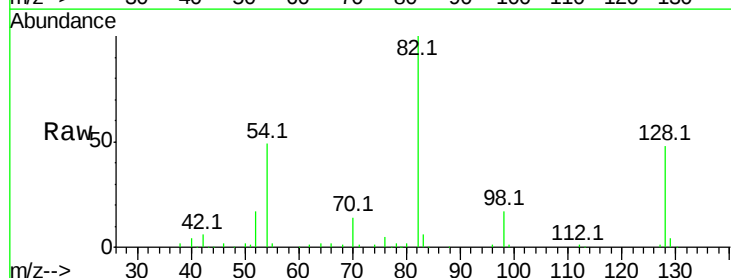
Instrument :
BNA_G
ClientSampled :

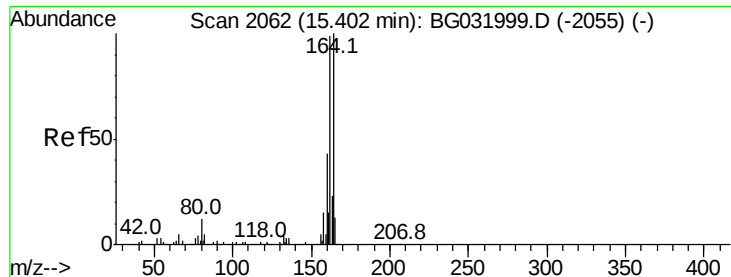
Tot Ion:	136	Resp:	148374
Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.2	13.8
54	5.5	10.3	15.5#
68	2.9	4.5	6.7#



#23
Nitrobenzene-d5
Concen: 75.627 ng
RT: 9.92 min Scan# 1129
Delta R.T. -0.00 min
Lab File: BG032268.D
Acq: 24 Jan 2018 19:40

Tgt Ion:	82	Resp:	165860
Ion	Ratio	Lower	Upper
82	100		
128	48.5	29.7	44.5#
54	48.8	43.1	64.7





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.36 min Scan# 2055

Delta R.T. -0.00 min

Lab File: BG032268.D

Acq: 24 Jan 2018 19:40

Instrument :

BNA_G

ClientSampleId :

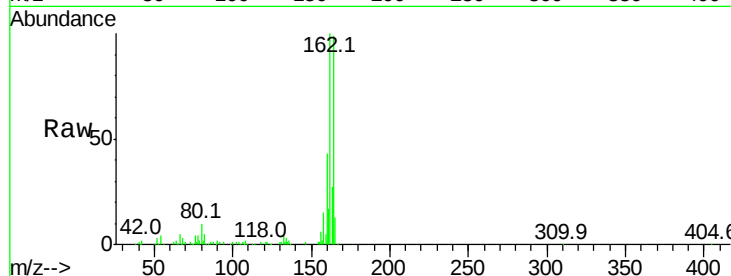
Tot Ion:164 Resp: 106808

Ion Ratio Lower Upper

164 100

162 100.9 78.8 118.2

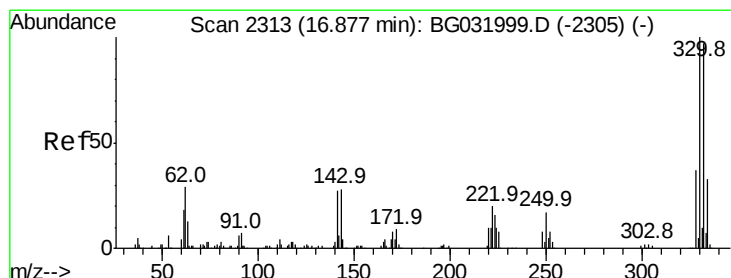
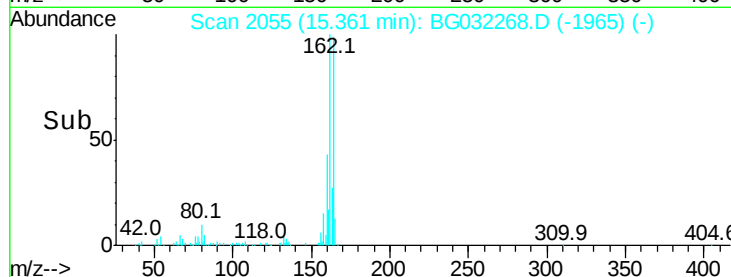
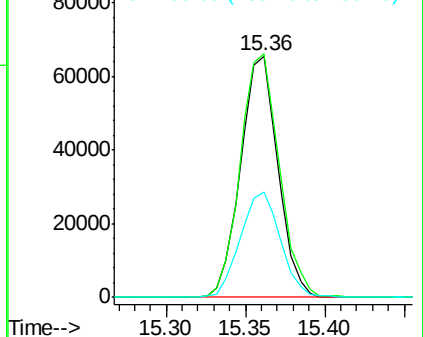
160 43.6 35.4 53.0



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: 98.271 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.00 min

Lab File: BG032268.D

Acq: 24 Jan 2018 19:40

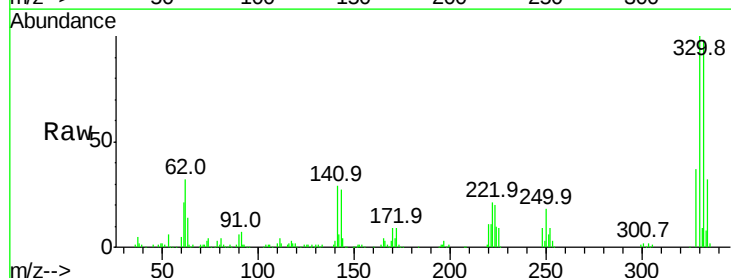
Tgt Ion:330 Resp: 173687

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

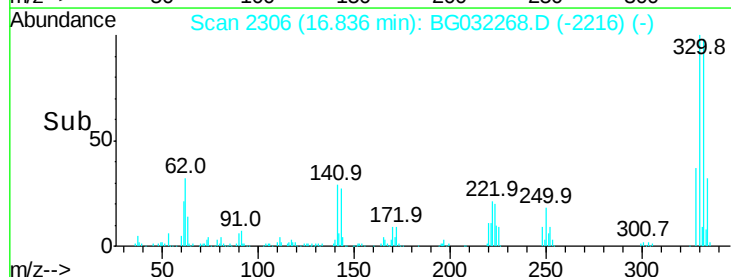
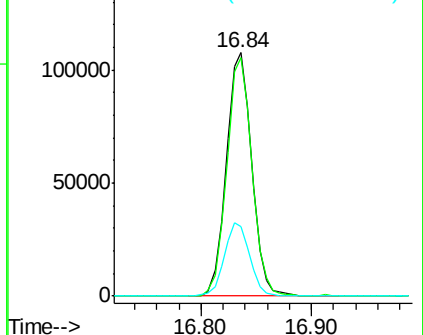
141 30.0 25.2 37.8

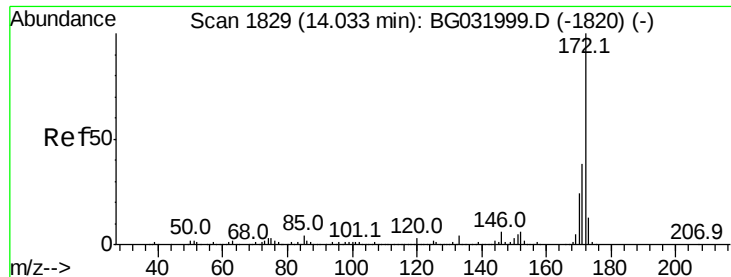


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

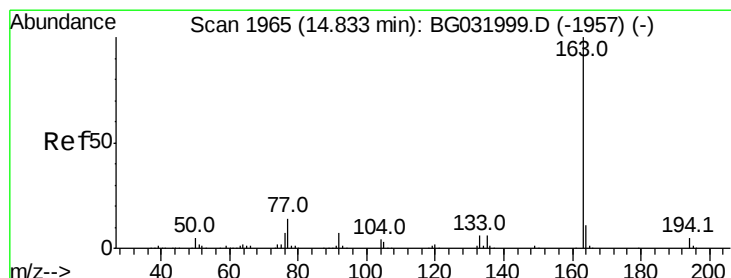
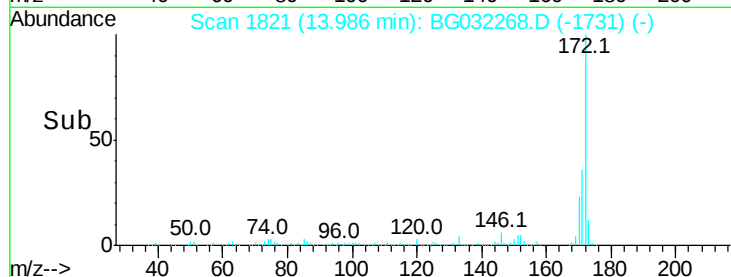
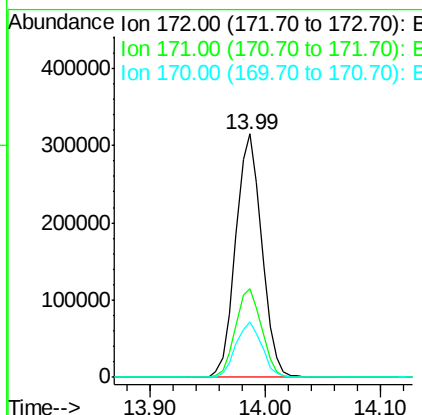
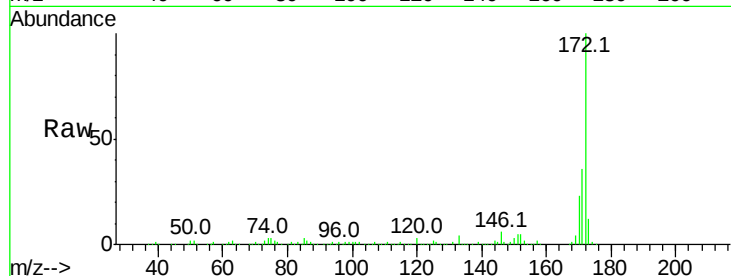




#44
2-Fluorobiphenyl
Concen: 57.093 ng
RT: 13.99 min Scan# 1821
Delta R.T. -0.00 min
Lab File: BG032268.D
Acq: 24 Jan 2018 19:40

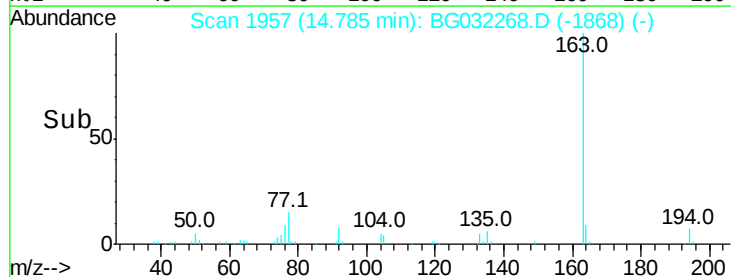
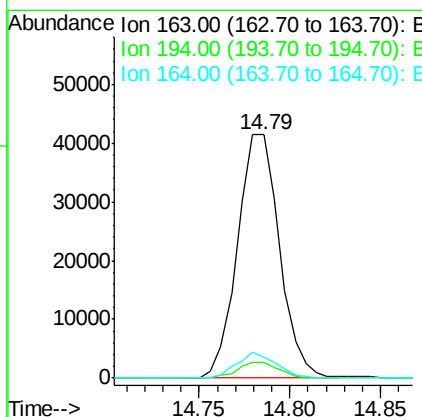
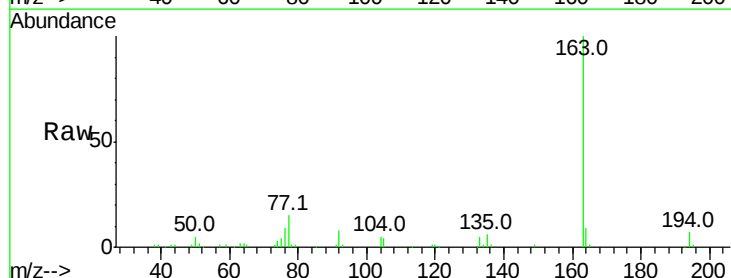
Instrument :
BNA_G
ClientSampleId :

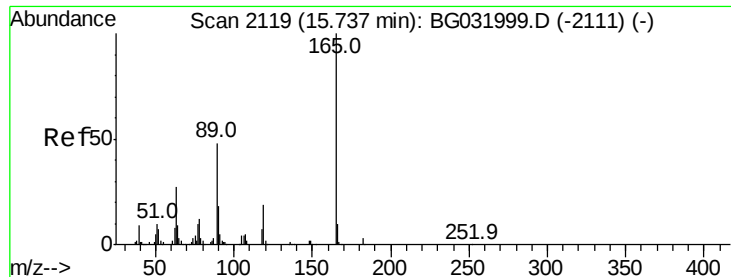
Tot Ion:172 Resp: 491796
Ion Ratio Lower Upper
172 100
171 36.4 30.0 45.0
170 22.8 19.5 29.3



#49
Dimethylphthalate
Concen: 7.143 ng
RT: 14.79 min Scan# 1957
Delta R.T. -0.01 min
Lab File: BG032268.D
Acq: 24 Jan 2018 19:40

Tgt Ion:163 Resp: 66766
Ion Ratio Lower Upper
163 100
194 6.6 3.4 5.2#
164 8.6 8.2 12.4

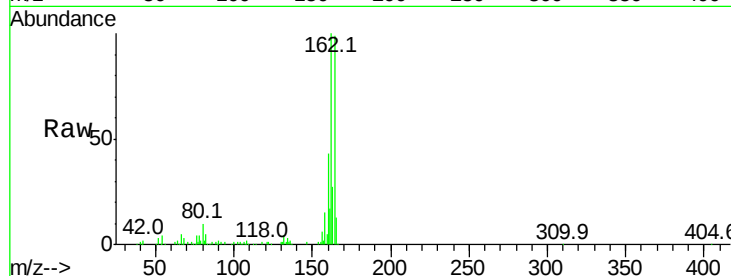




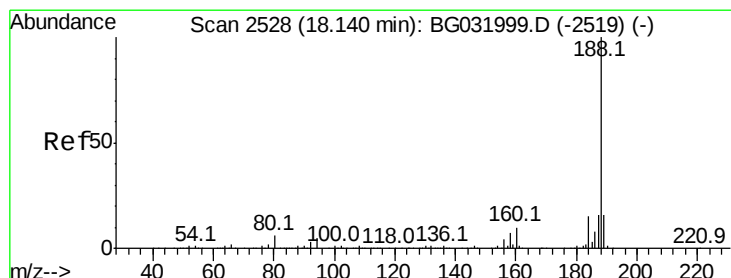
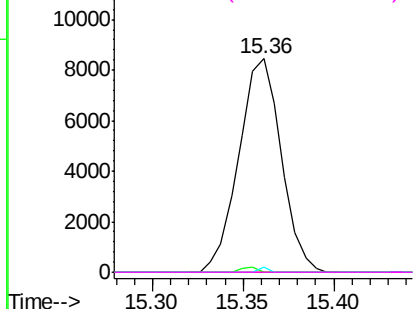
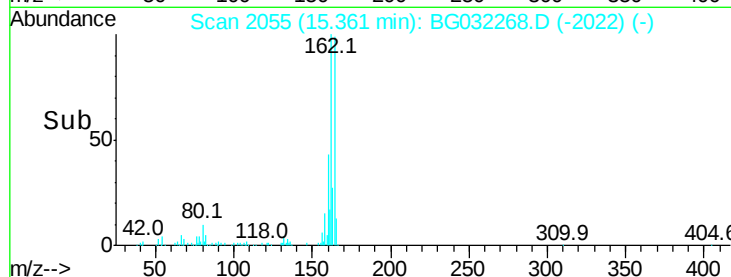
#56
 2,4-Dinitrotoluene
 Concen: 5.280 ng
 RT: 15.36 min Scan# 2055
 Delta R.T. -0.34 min
 Lab File: BG032268.D
 Acq: 24 Jan 2018 19:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 13792
 Ion Ratio Lower Upper
 165 100
 63 0.0 42.0 63.0#
 89 2.5 66.9 100.3#
 182 0.0 2.6 3.8#

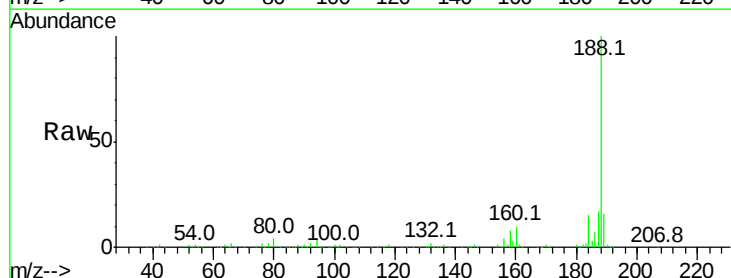


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E

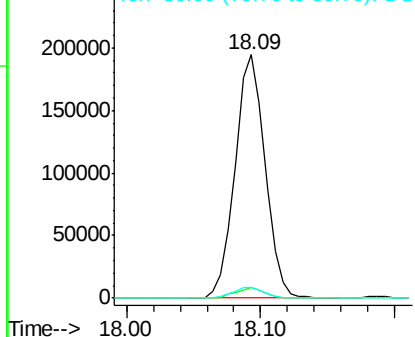
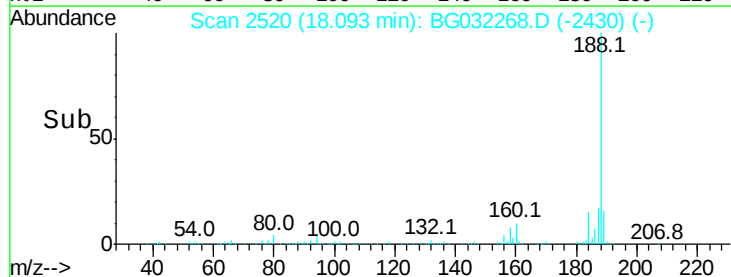


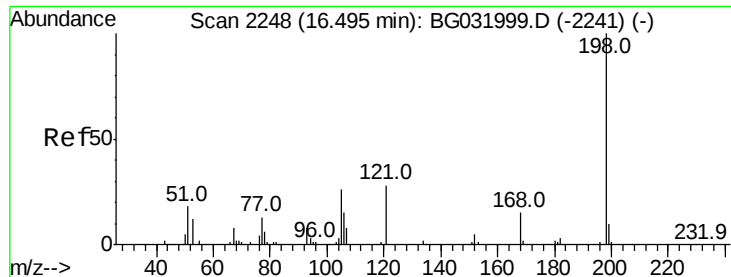
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.09 min Scan# 2520
 Delta R.T. -0.00 min
 Lab File: BG032268.D
 Acq: 24 Jan 2018 19:40

Tgt Ion:188 Resp: 303094
 Ion Ratio Lower Upper
 188 100
 94 4.1 6.9 10.3#
 80 4.4 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: 4.909 ng

RT: 16.20 min Scan# 2198

Delta R.T. -0.25 min

Lab File: BG032268.D

Acq: 24 Jan 2018 19:40

Instrument :

BNA_G

ClientSampleId :

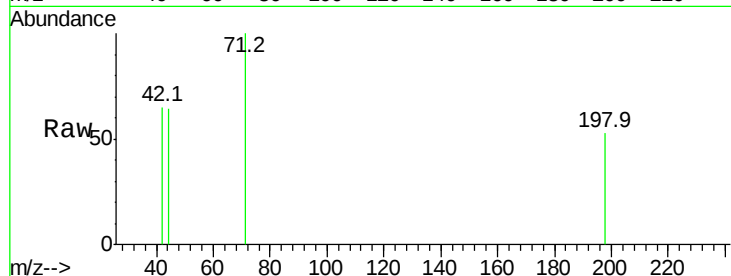
Tot Ion:198 Resp: 54

Ion Ratio Lower Upper

198 100

51 0.0 30.6 70.6#

105 0.0 23.8 63.8#



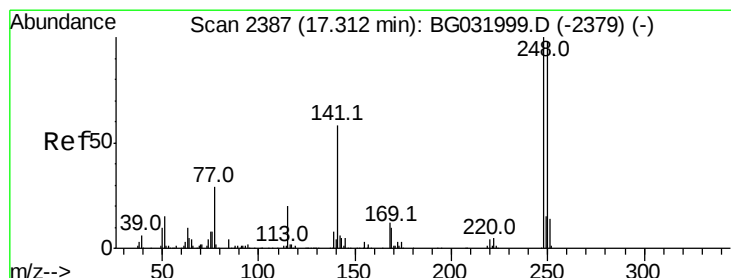
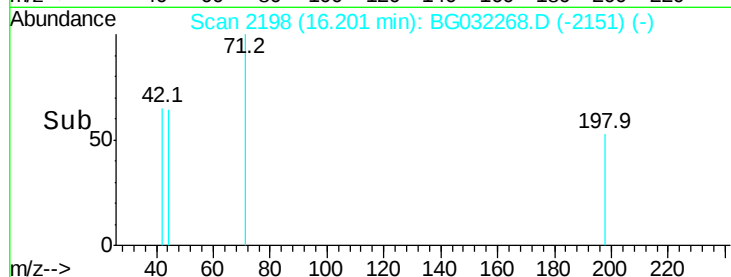
Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BG

Ion 105.00 (104.70 to 105.70): E

16.20

16.18 16.20 16.22



#66

4-Bromophenyl-phenylether

Concen: 3.461 ng

RT: 16.84 min Scan# 2306

Delta R.T. -0.43 min

Lab File: BG032268.D

Acq: 24 Jan 2018 19:40

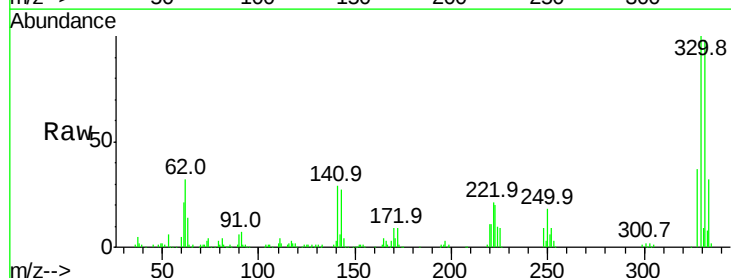
Tgt Ion:248 Resp: 14926

Ion Ratio Lower Upper

248 100

250 207.8 77.1 115.7#

141 334.2 50.8 76.2#



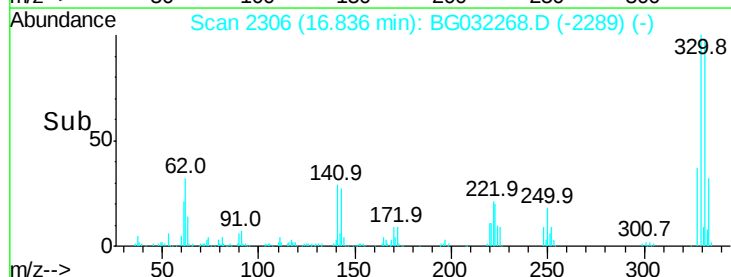
Abundance Ion 248.00 (247.70 to 248.70): E

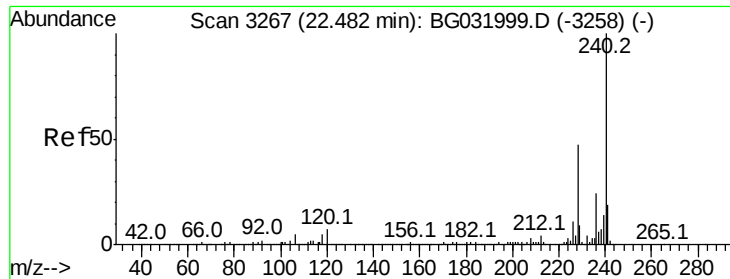
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

16.84

16.80 16.85





#75

Chrysene-d12

Concen: 20.000 ng

RT: 22.42 min Scan# 3257

Delta R.T. -0.00 min

Lab File: BG032268.D

Acq: 24 Jan 2018 19:40

Instrument :

BNA_G

ClientSampleId :

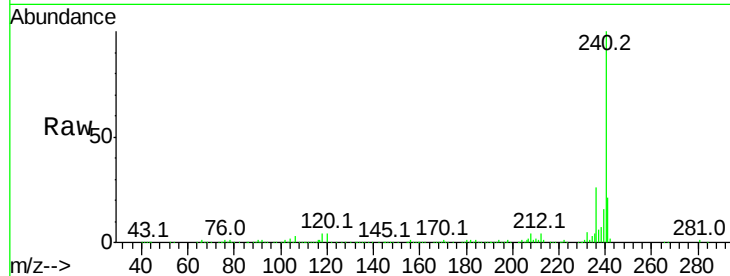
Tot Ion:240 Resp: 393512

Ion Ratio Lower Upper

240 100

120 3.9 6.8 10.2#

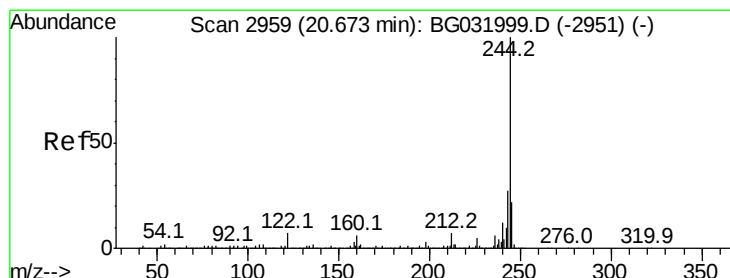
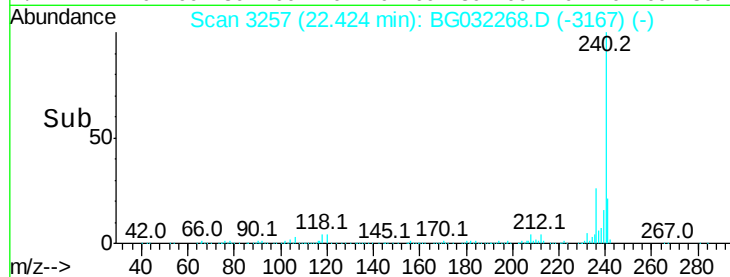
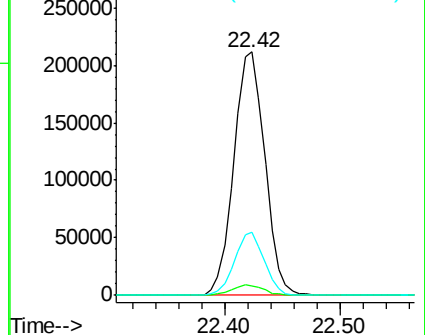
236 25.9 20.9 31.3



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



#78

Terphenyl-d14

Concen: 56.860 ng

RT: 20.63 min Scan# 2952

Delta R.T. -0.00 min

Lab File: BG032268.D

Acq: 24 Jan 2018 19:40

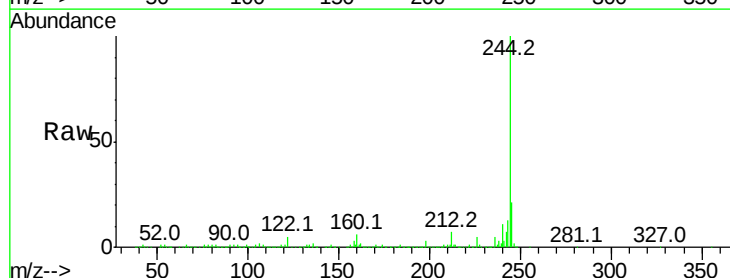
Tgt Ion:244 Resp: 1013345

Ion Ratio Lower Upper

244 100

212 7.1 5.8 8.8

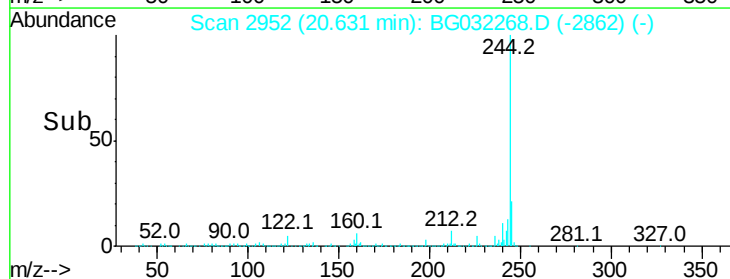
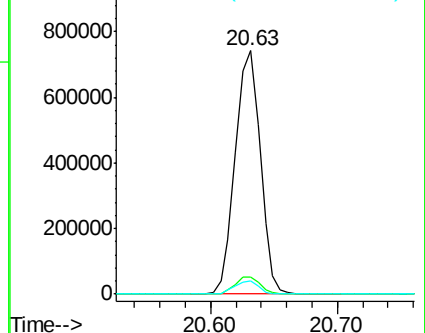
122 5.3 7.0 10.4#

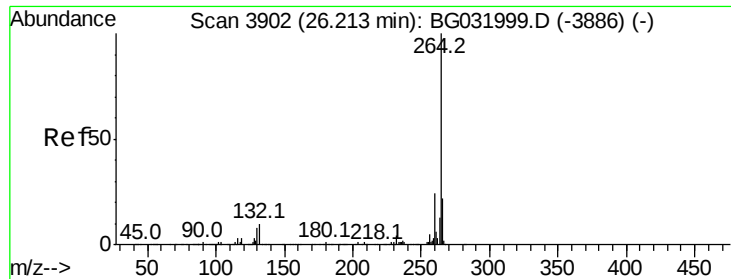


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

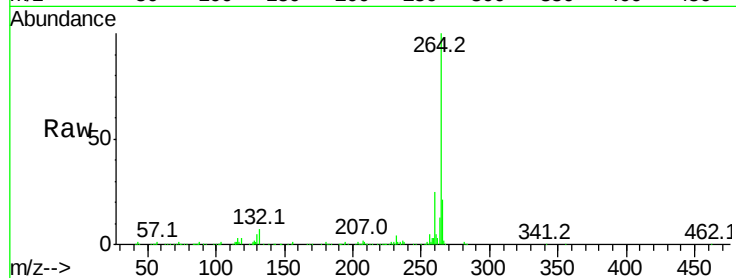




#86
 Pervlene-d12
 Concen: 20.000 ng
 RT: 26.11 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: BG032268.D
 Acq: 24 Jan 2018 19:40

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	17.4	26.0
265	20.9	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

