

Data Path : U:\HPCHEM1\BNA G\DATA\BG011818\
 Data File : BG032149.D
 Acq On : 18 Jan 2018 23:16
 Operator : SJ/JU
 Sample : J1187-04
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 19 00:33:21 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG011218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jan 18 10:13:16 2018
 Response via : Initial Calibration

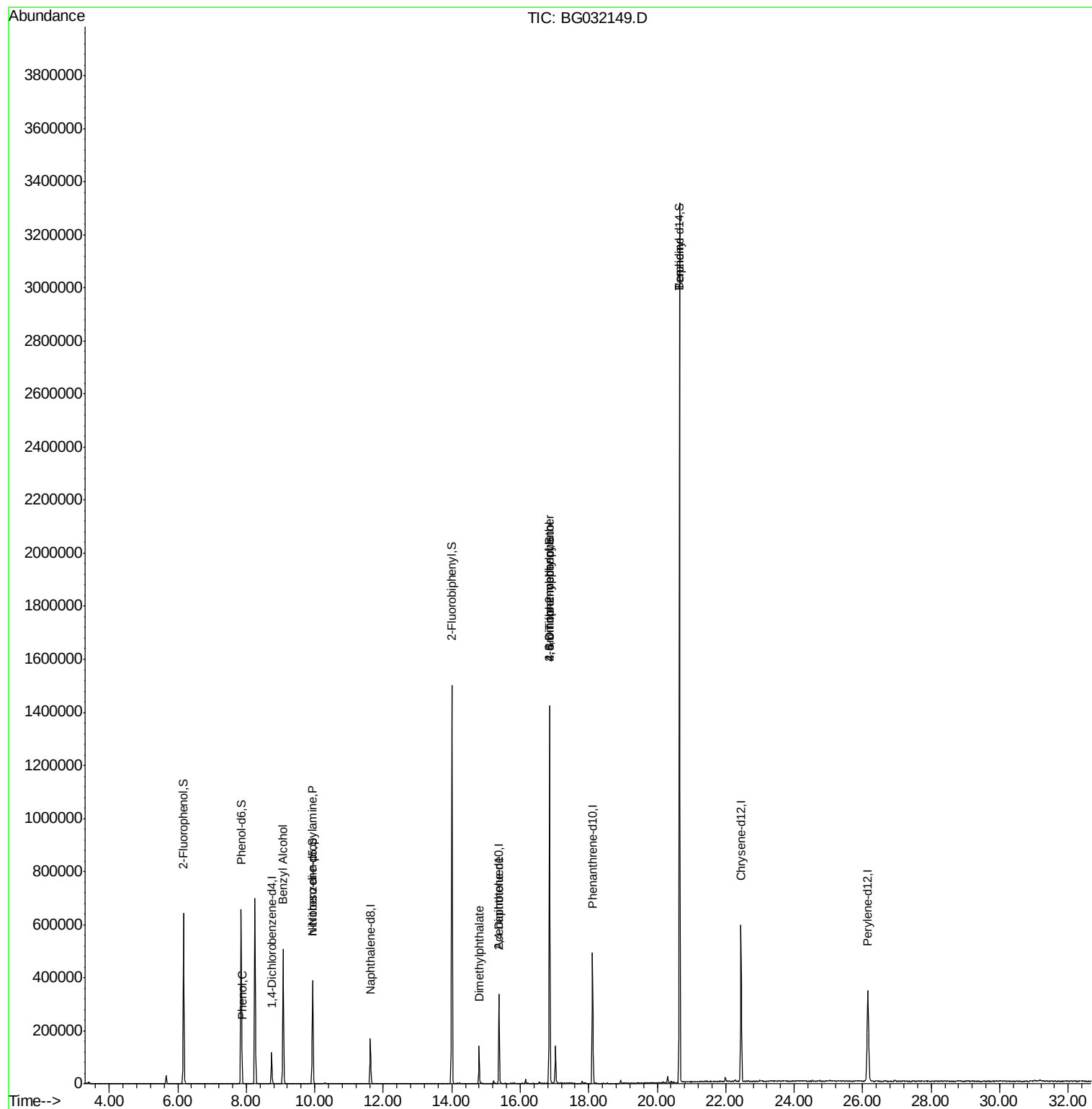
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	37832	20.00	ng	0.00
21) Naphthalene-d8	11.63	136	169134	20.00	ng	0.00
38) Acenaphthene-d10	15.38	164	124952	20.00	ng	0.00
63) Phenanthrene-d10	18.11	188	339902	20.00	ng	0.00
75) Chrysene-d12	22.45	240	447474	20.00	ng	0.00
86) Perylene-d12	26.15	264	457933	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.17	112	322870	156.09	ng	0.00
7) Phenol-d6	7.85	99	419069	160.86	ng	0.00
23) Nitrobenzene-d5	9.94	82	246425	98.57	ng	0.00
41) 2,4,6-Tribromophenol	16.85	330	321834	155.65	ng	0.00
44) 2-Fluorobiphenyl	14.01	172	887438	88.06	ng	0.00
78) Terphenyl-d14	20.65	244	1733474	85.54	ng	0.00
Target Compounds						
10) Phenol	7.88	94	15959	6.219	ng	90
15) Benzyl Alcohol	9.08	79	3833	2.025	ng	# 36
19) n-Nitroso-di-n-propylamine	9.94	70	34847	21.558	ng	# 73
49) Dimethylphthalate	14.80	163	104714	9.577	ng	99
56) 2,4-Dinitrotoluene	15.38	165	15899	5.203	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.85	198	929	5.268	ng	# 4
66) 4-Bromophenyl-phenylether	16.85	248	26557	5.491	ng	# 1
76) Benzidine	20.65	184	24691	2.207	ng	# 91

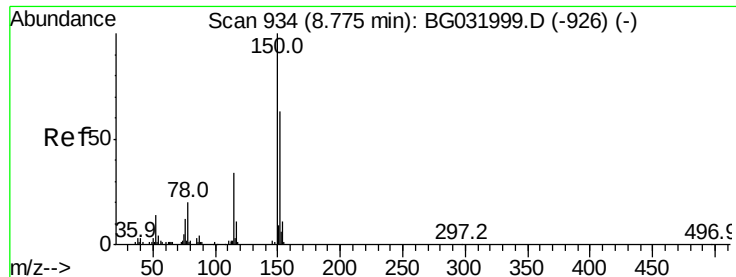
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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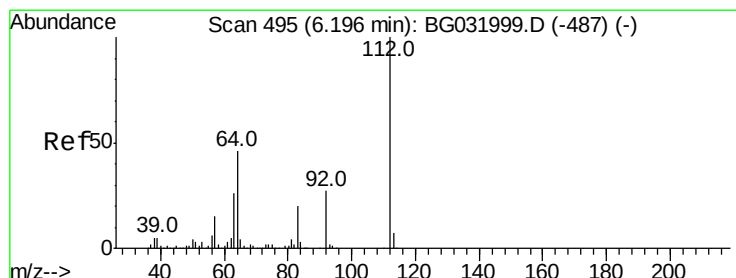
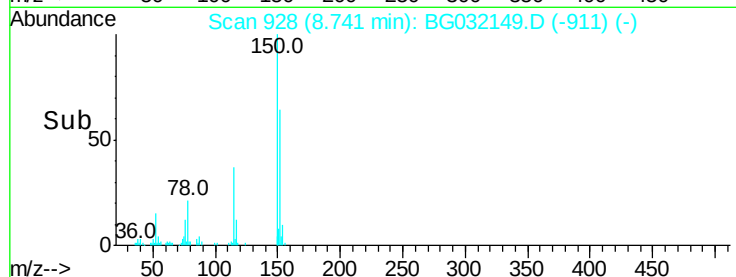
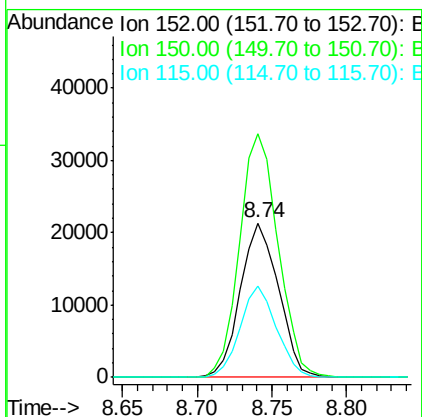
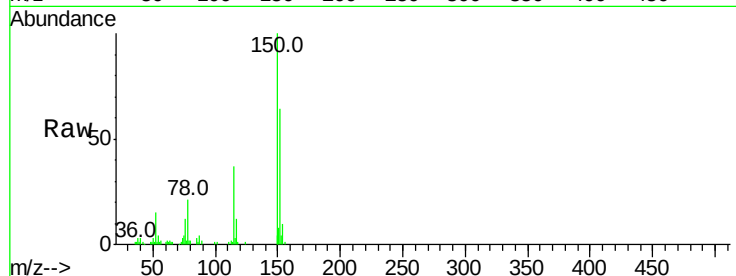


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.74 min Scan# 928
Delta R.T. -0.00 min
Lab File: BG032149.D
Acq: 18 Jan 2018 23:16

Instrument :
BNA_G
ClientSampleId :

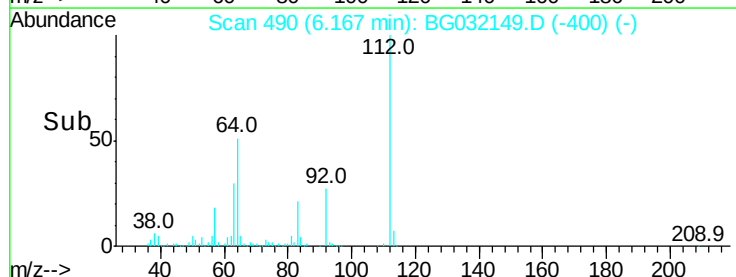
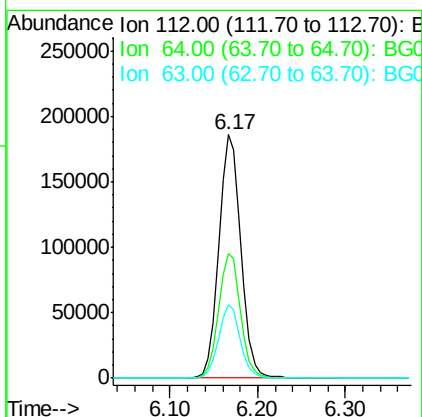
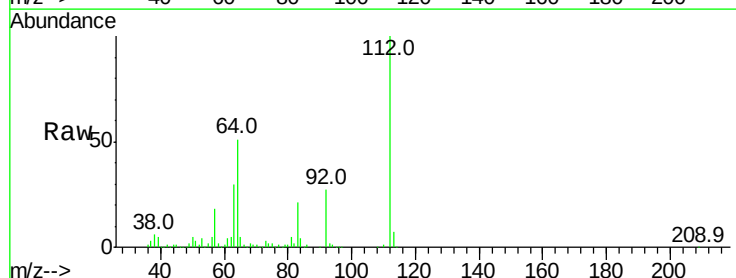
Tot Ion:152 Resp: 37832
Ion Ratio Lower Upper
152 100
150 157.4 126.6 189.8
115 58.8 53.0 79.4

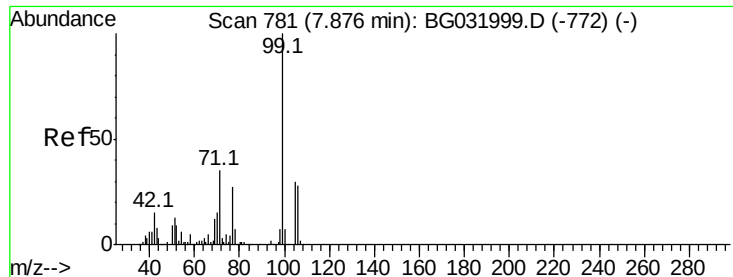


#5

2-Fluorophenol
Concen: 156.087 ng
RT: 6.17 min Scan# 490
Delta R.T. -0.00 min
Lab File: BG032149.D
Acq: 18 Jan 2018 23:16

Tgt Ion:112 Resp: 322870
Ion Ratio Lower Upper
112 100
64 51.3 56.3 84.5#
63 29.9 30.1 45.1#





#7

Phenol-d6

Concen: 160.860 ng

RT: 7.85 min Scan# 776

Delta R.T. -0.00 min

Lab File: BG032149.D

Acq: 18 Jan 2018 23:16

Instrument :

BNA_G

ClientSampled :

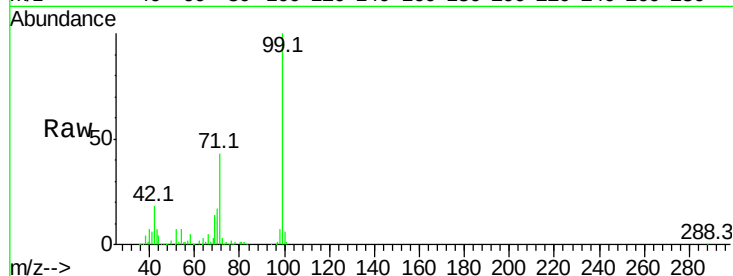
Tot Ion: 99 Resp: 419069

Ion Ratio Lower Upper

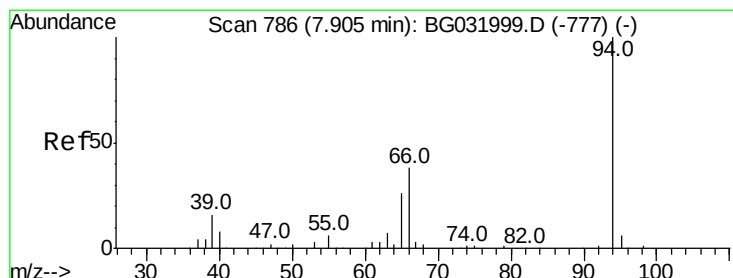
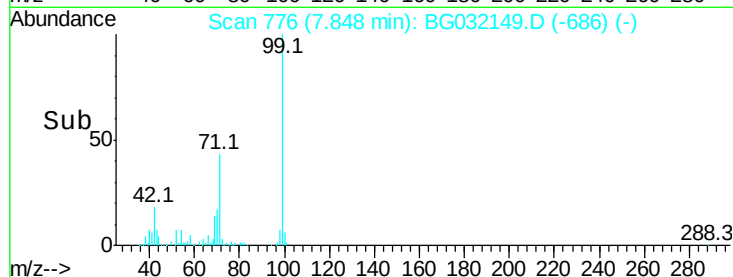
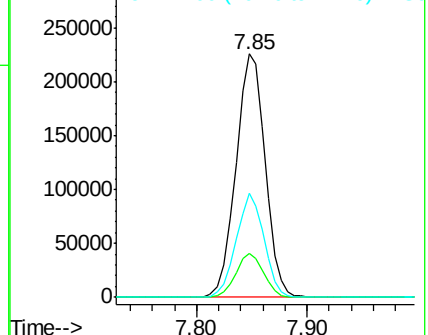
99 100

42 17.9 14.1 21.1

71 42.9 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: 6.219 ng

RT: 7.88 min Scan# 782

Delta R.T. 0.00 min

Lab File: BG032149.D

Acq: 18 Jan 2018 23:16

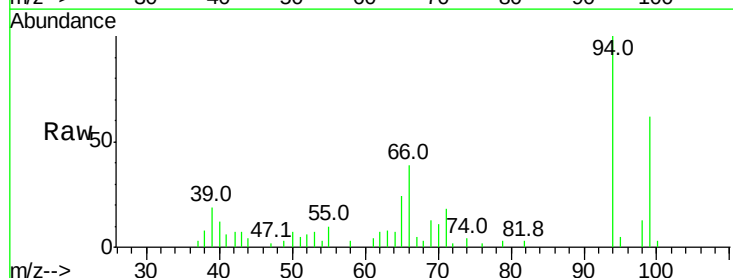
Tgt Ion: 94 Resp: 15959

Ion Ratio Lower Upper

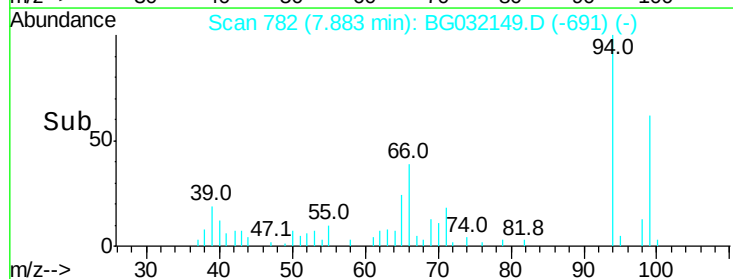
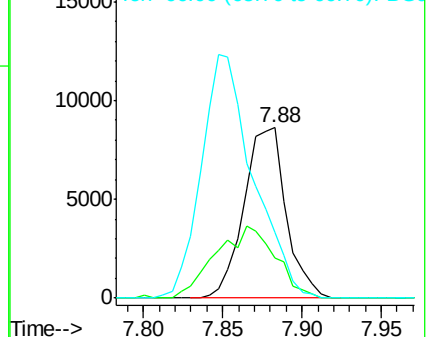
94 100

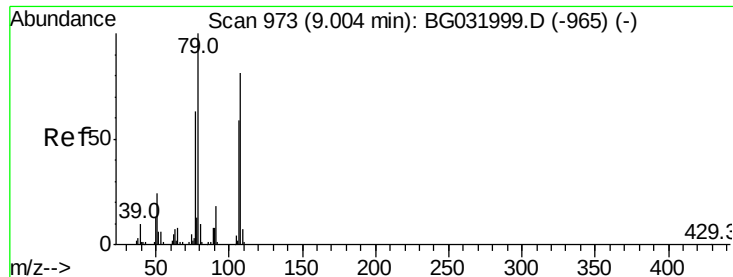
65 23.5 11.9 51.9

66 38.8 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





#15

Benzyl Alcohol

Concen: 2.025 ng

RT: 9.08 min Scan# 985

Delta R.T. 0.10 min

Lab File: BG032149.D

Acq: 18 Jan 2018 23:16

Instrument :

BNA_G

ClientSampleId :

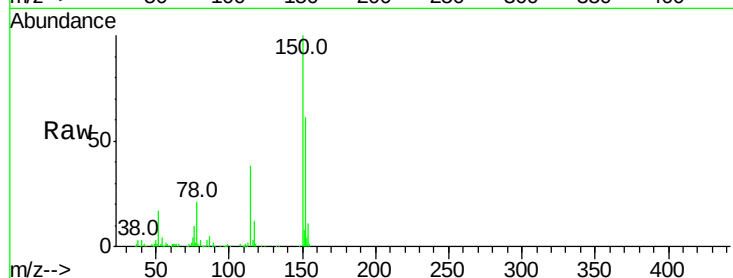
Tot Ion: 79 Resp: 3833

Ion Ratio Lower Upper

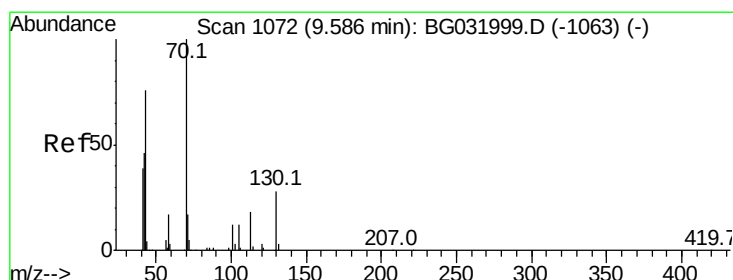
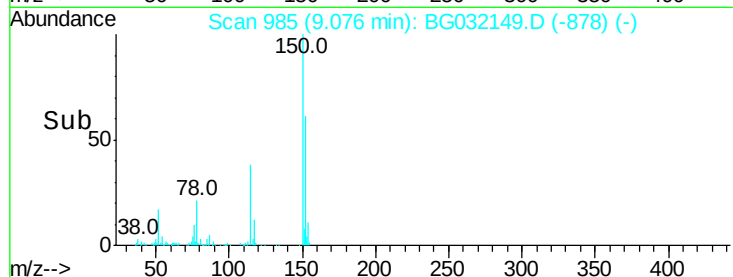
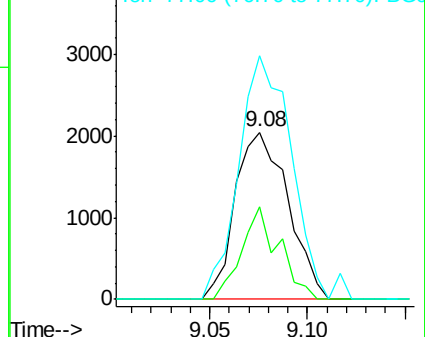
79 100

108 55.5 57.2 85.8#

77 145.4 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: 21.558 ng

RT: 9.94 min Scan# 1132

Delta R.T. 0.38 min

Lab File: BG032149.D

Acq: 18 Jan 2018 23:16

Tgt Ion: 70 Resp: 34847

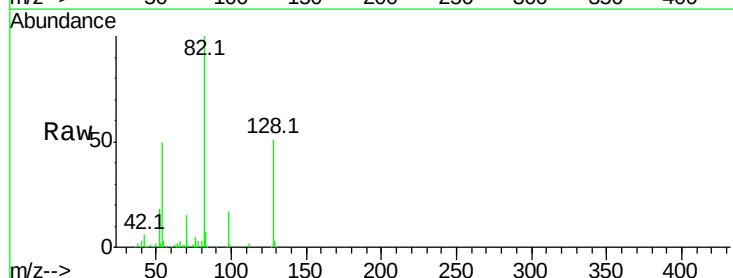
Ion Ratio Lower Upper

70 100

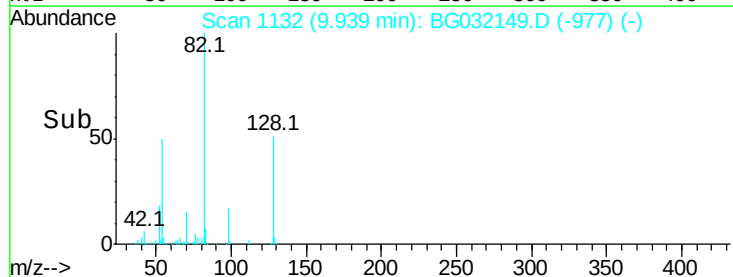
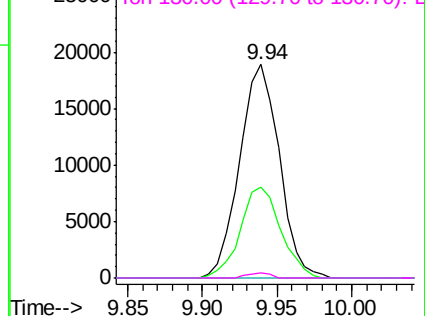
42 42.7 49.1 73.7#

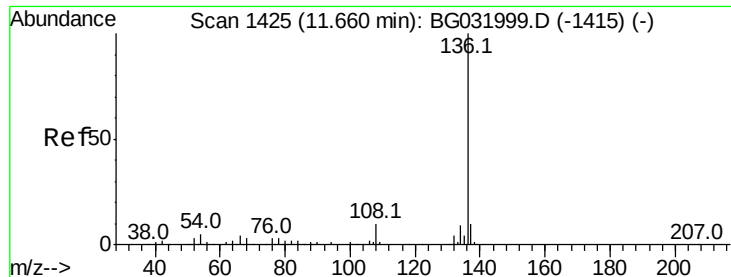
101 0.0 8.5 12.7#

130 2.2 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

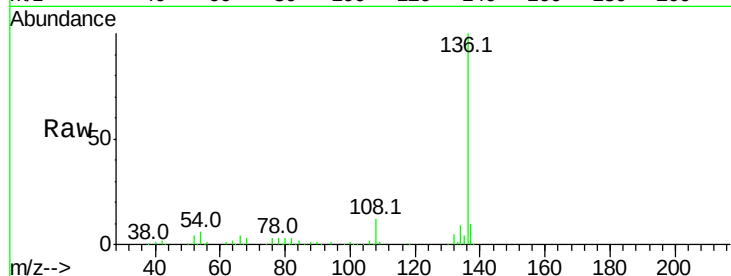




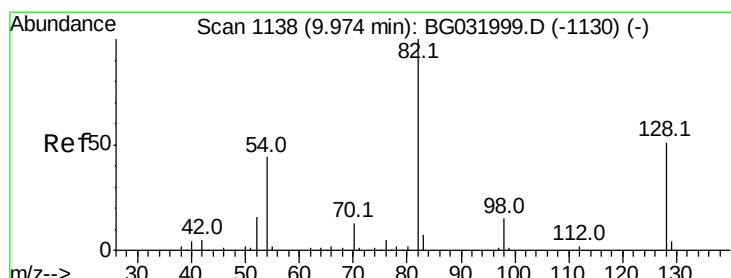
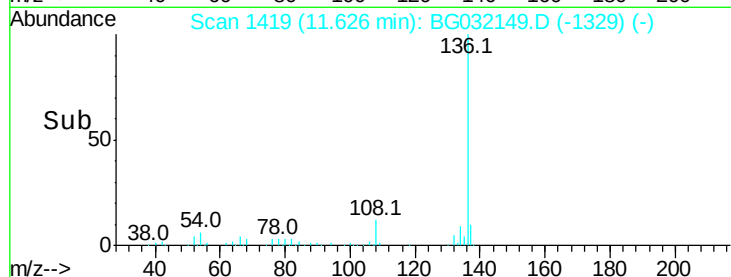
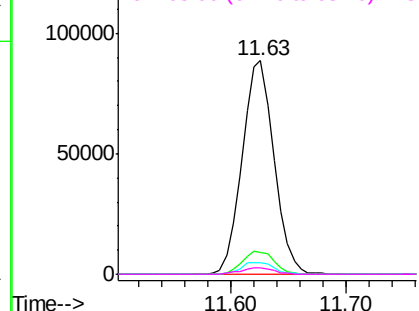
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.63 min Scan# 1419
Delta R.T. -0.00 min
Lab File: BG032149.D
Acq: 18 Jan 2018 23:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	169134
Ion	Ratio	Lower	Upper
136	100		
137	10.1	9.2	13.8
54	5.6	10.3	15.5#
68	3.3	4.5	6.7#

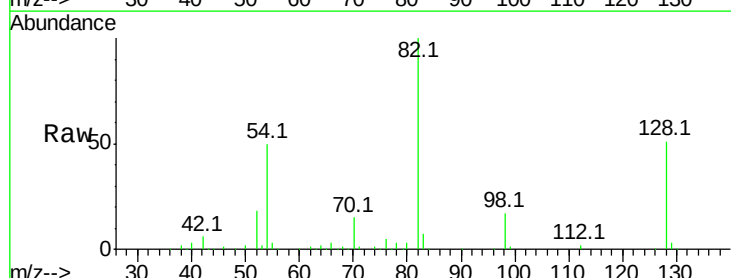


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

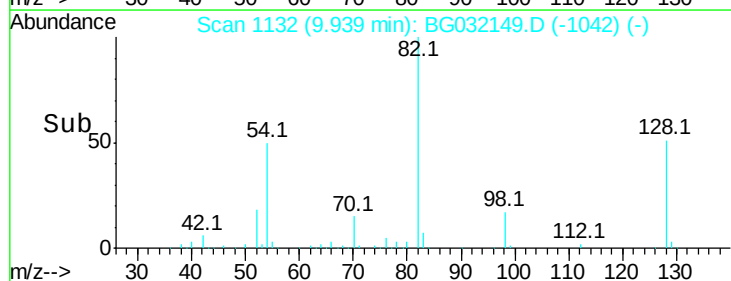
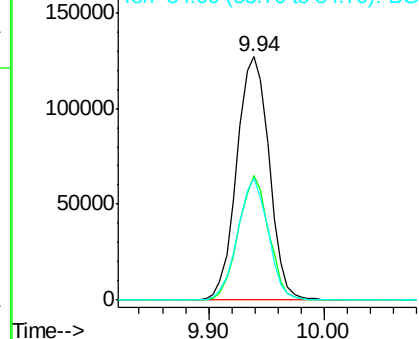


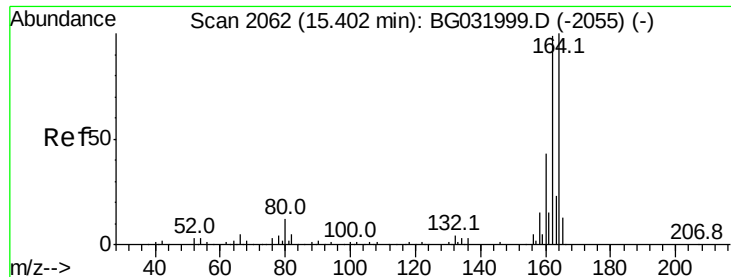
#23
Nitrobenzene-d5
Concen: 98.571 ng
RT: 9.94 min Scan# 1132
Delta R.T. -0.00 min
Lab File: BG032149.D
Acq: 18 Jan 2018 23:16

Tgt Ion:	82	Resp:	246425
Ion	Ratio	Lower	Upper
82	100		
128	51.2	29.7	44.5#
54	50.3	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





#38

Acenaphthene-d10

Concen: 20.000 ng

RT: 15.38 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BG032149.D

Acq: 18 Jan 2018 23:16

Instrument :

BNA_G

ClientSampleId :

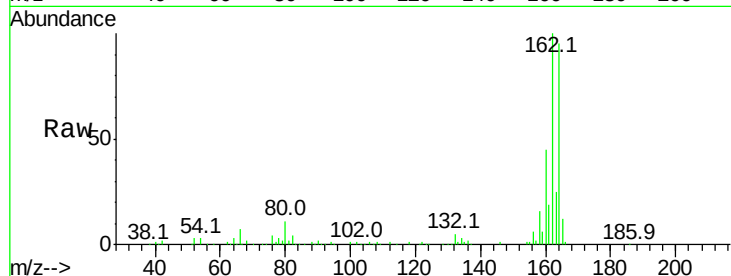
Tot Ion:164 Resp: 124952

Ion Ratio Lower Upper

164 100

162 105.1 78.8 118.2

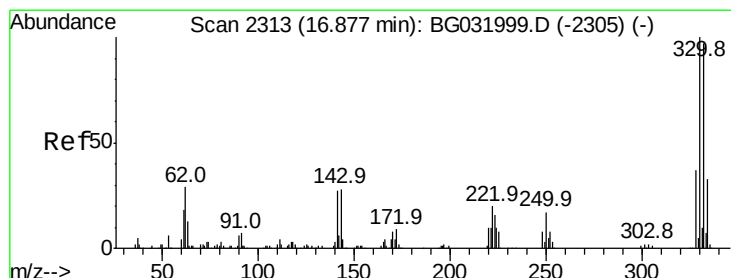
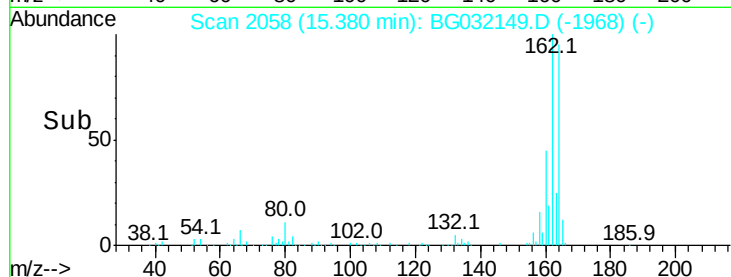
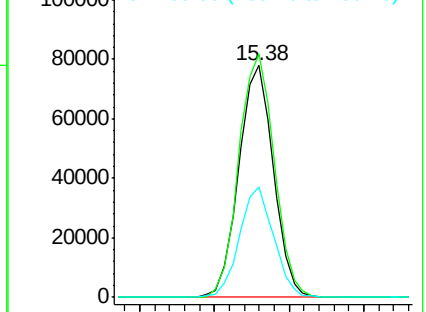
160 47.6 35.4 53.0



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: 155.651 ng

RT: 16.85 min Scan# 2309

Delta R.T. -0.00 min

Lab File: BG032149.D

Acq: 18 Jan 2018 23:16

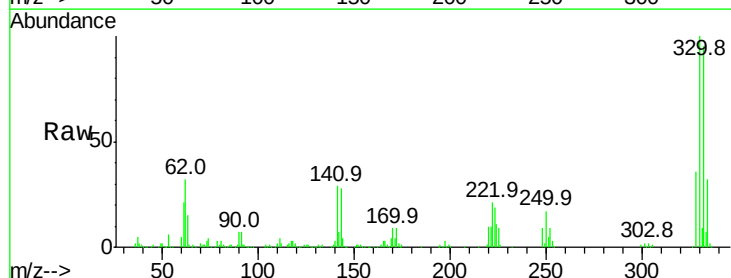
Tgt Ion:330 Resp: 321834

Ion Ratio Lower Upper

330 100

332 97.1 77.0 115.6

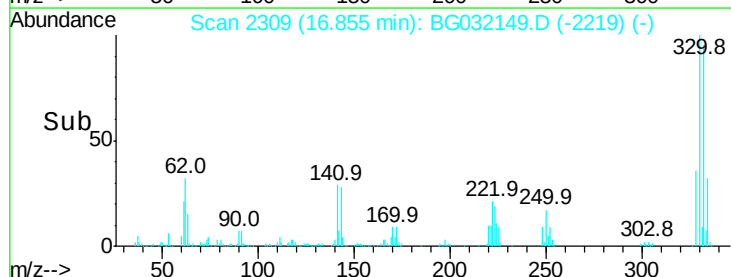
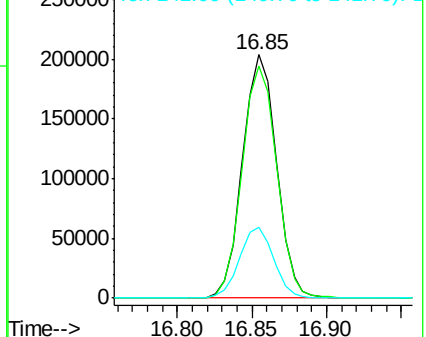
141 29.3 25.2 37.8

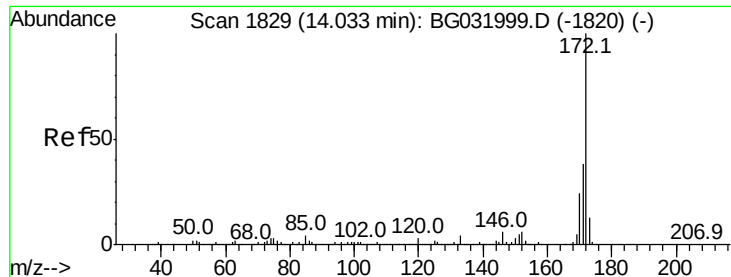


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

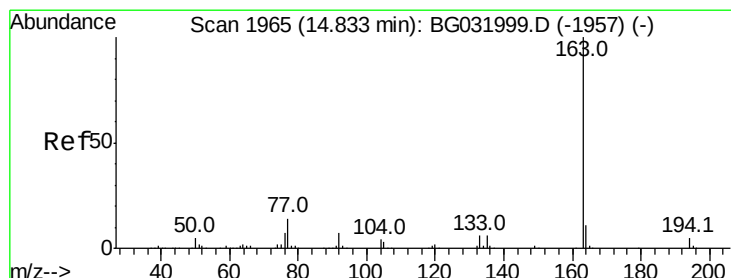
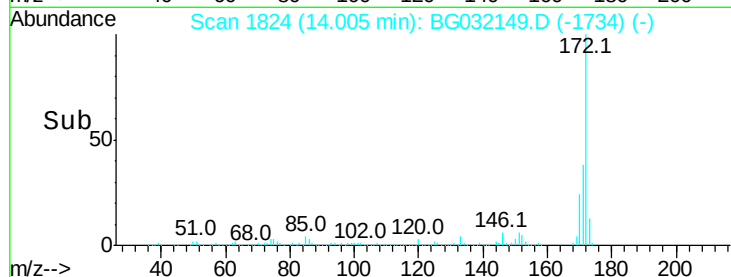
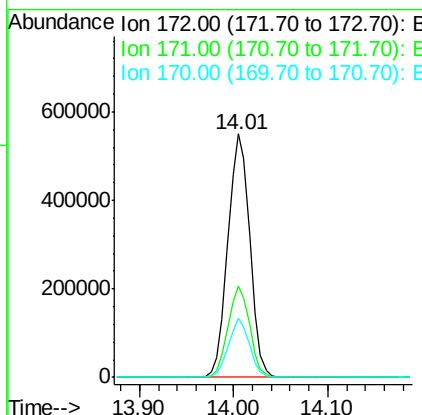
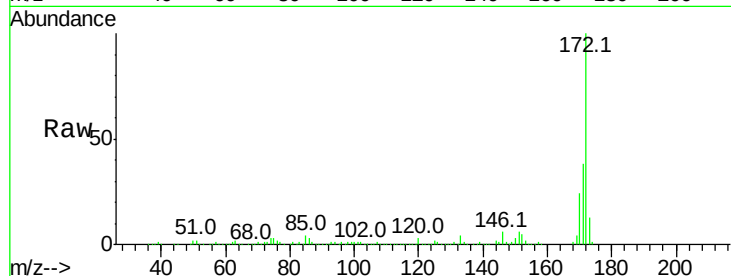




#44
2-Fluorobiphenyl
Concen: 88.064 ng
RT: 14.01 min Scan# 1824
Delta R.T. -0.00 min
Lab File: BG032149.D
Acq: 18 Jan 2018 23:16

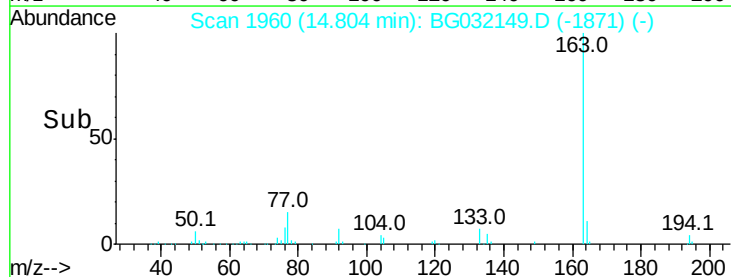
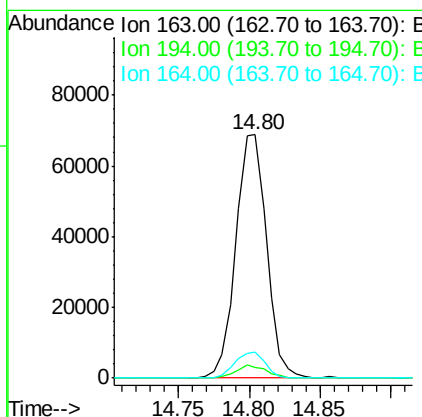
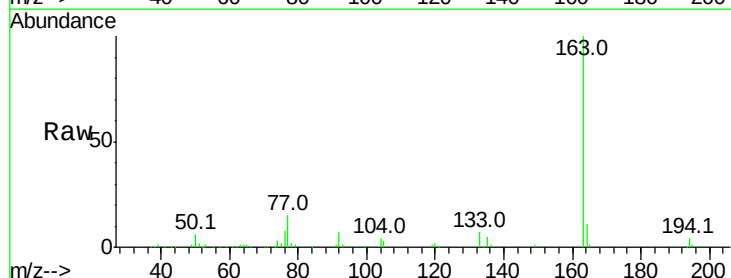
Instrument :
BNA_G
ClientSampleId :

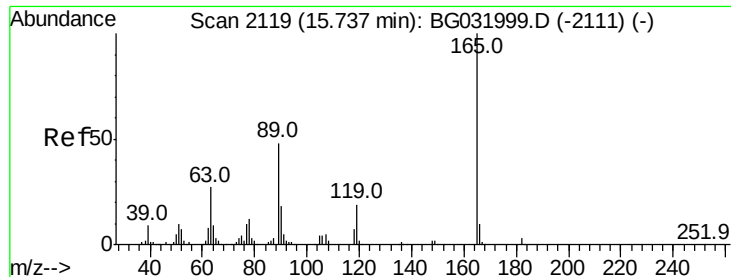
Tot Ion:172 Resp: 887438
Ion Ratio Lower Upper
172 100
171 37.6 30.0 45.0
170 24.1 19.5 29.3



#49
Dimethylphthalate
Concen: 9.577 ng
RT: 14.80 min Scan# 1960
Delta R.T. -0.01 min
Lab File: BG032149.D
Acq: 18 Jan 2018 23:16

Tgt Ion:163 Resp: 104714
Ion Ratio Lower Upper
163 100
194 4.4 3.4 5.2
164 10.8 8.2 12.4

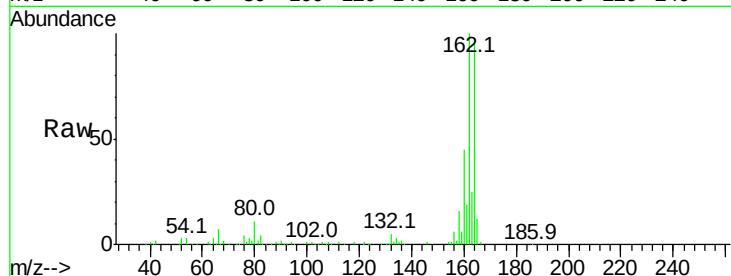




#56
 2,4-Dinitrotoluene
 Concen: 5.203 ng
 RT: 15.38 min Scan# 2058
 Delta R.T. -0.34 min
 Lab File: BG032149.D
 Acq: 18 Jan 2018 23:16

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	42.0	63.0#
89	2.3	66.9	100.3#
182	0.0	2.6	3.8#

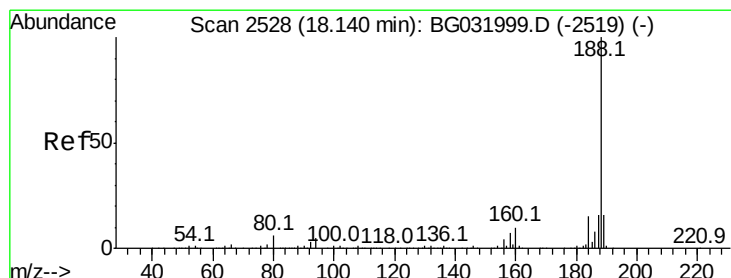
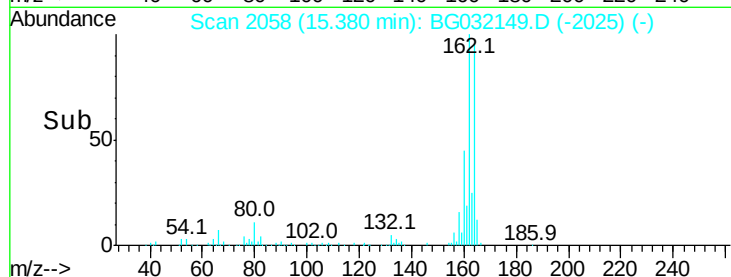
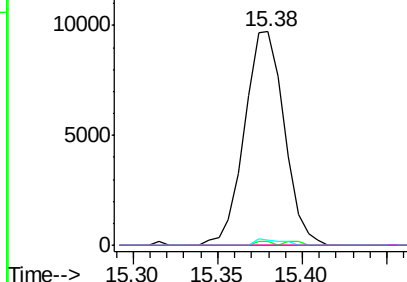


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

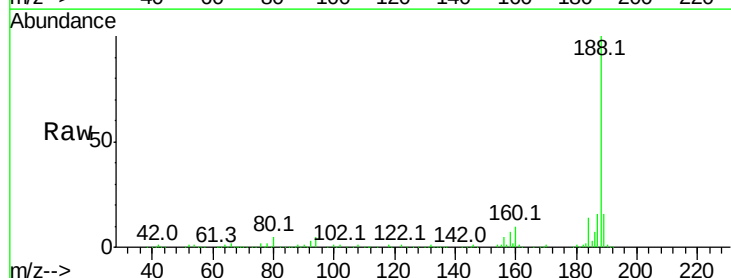
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.11 min Scan# 2523
 Delta R.T. -0.00 min
 Lab File: BG032149.D
 Acq: 18 Jan 2018 23:16

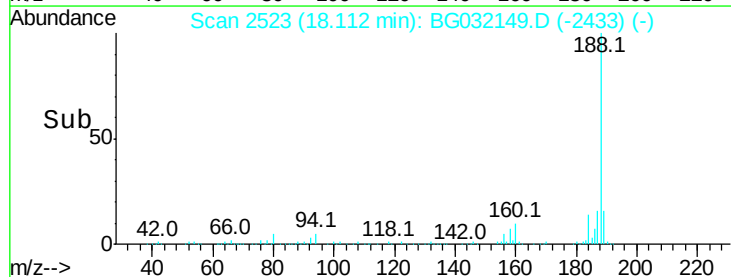
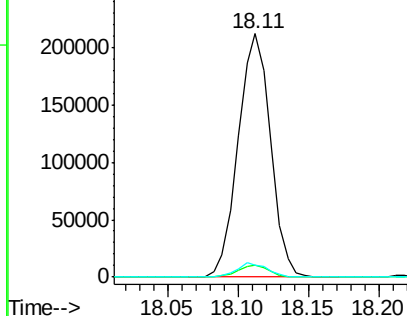
Tgt Ion	Ratio	Lower	Upper
188	100		
94	4.9	6.9	10.3#
80	5.1	7.7	11.5#

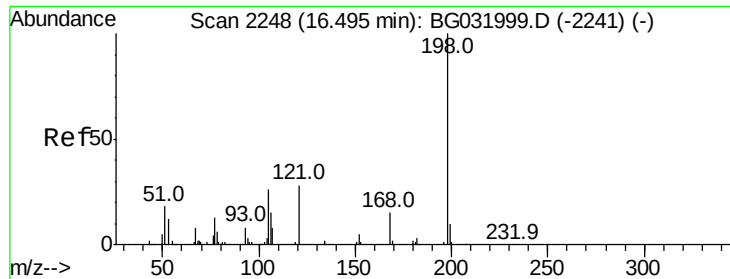


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

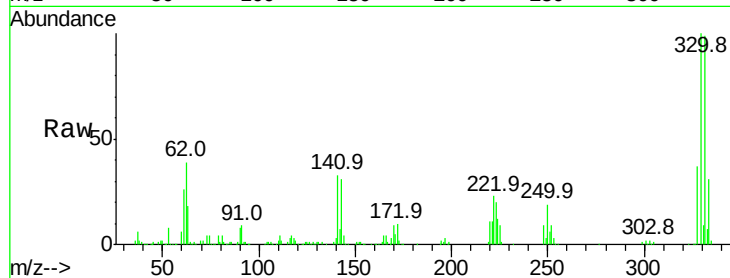




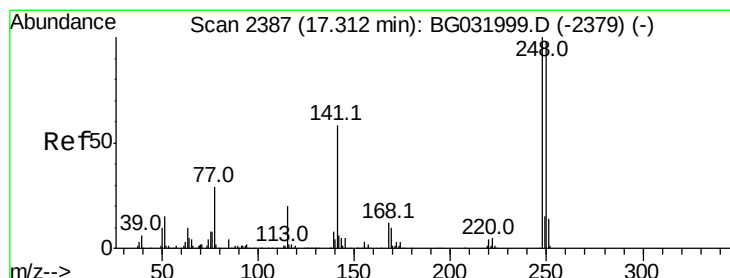
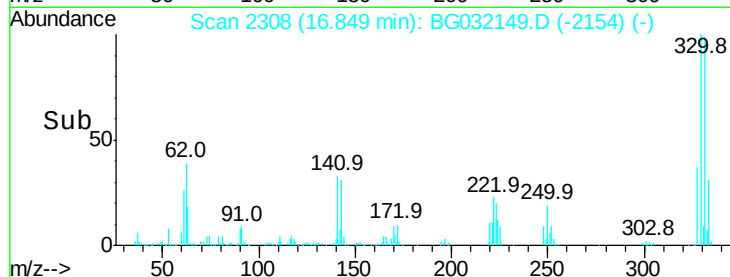
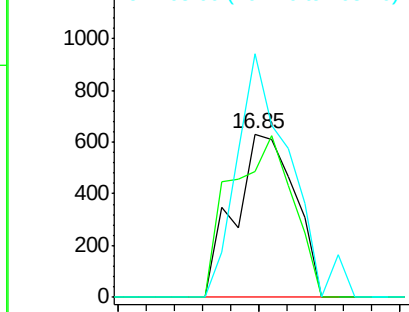
#64
4,6-Dinitro-2-methylphenol
Concen: 5.268 ng
RT: 16.85 min Scan# 2308
Delta R.T. 0.37 min
Lab File: BG032149.D
Acq: 18 Jan 2018 23:16

Instrument :
BNA_G
ClientSampled :

Tot Ion:198 Resp: 929
Ion Ratio Lower Upper
198 100
51 76.7 30.6 70.6#
105 148.9 23.8 63.8#

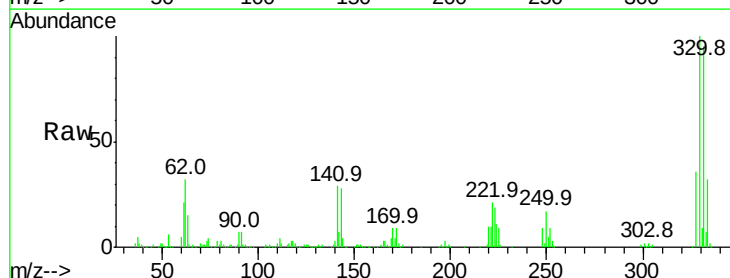


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

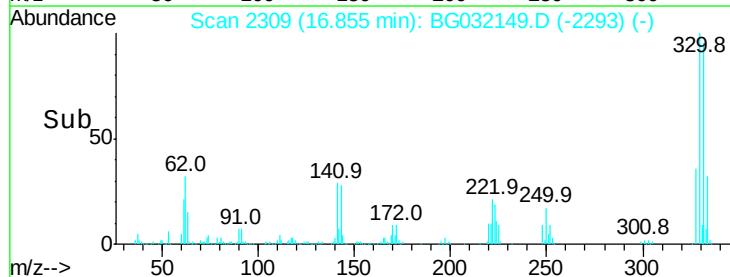
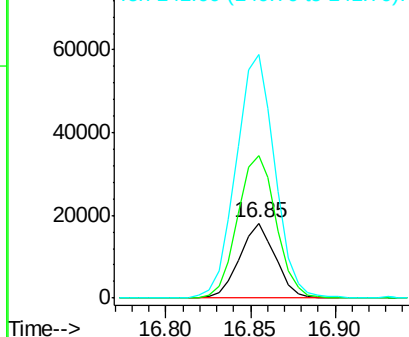


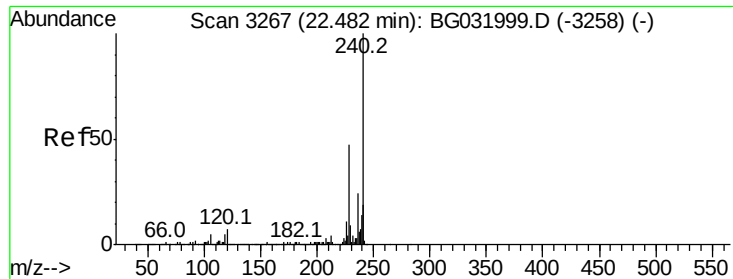
#66
4-Bromophenyl-phenylether
Concen: 5.491 ng
RT: 16.85 min Scan# 2309
Delta R.T. -0.44 min
Lab File: BG032149.D
Acq: 18 Jan 2018 23:16

Tgt Ion:248 Resp: 26557
Ion Ratio Lower Upper
248 100
250 190.7 77.1 115.7#
141 324.5 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: 22.45 min Scan# 3261

Delta R.T. -0.00 min

Lab File: BG032149.D

Acq: 18 Jan 2018 23:16

Instrument :

BNA_G

ClientSampleId :

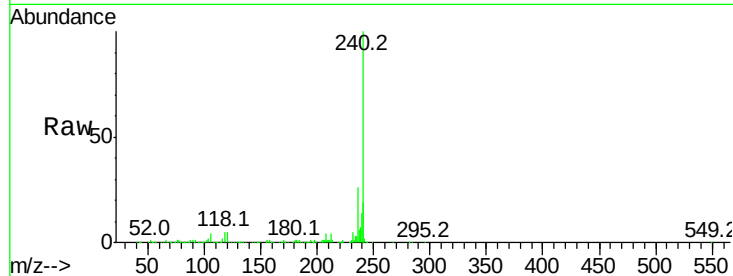
Tot Ion:240 Resp: 447474

Ion Ratio Lower Upper

240 100

120 4.7 6.8 10.2#

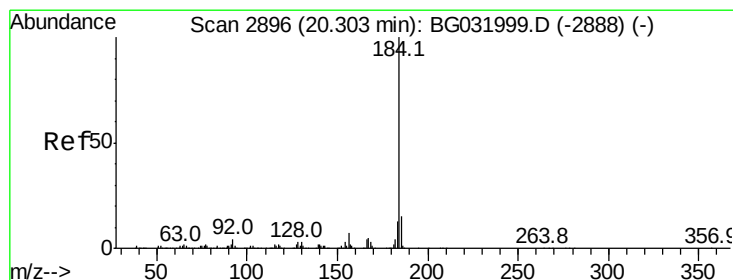
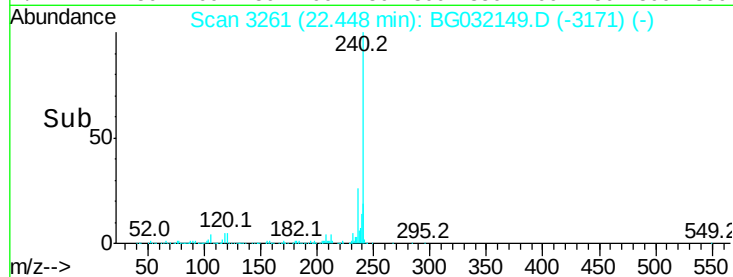
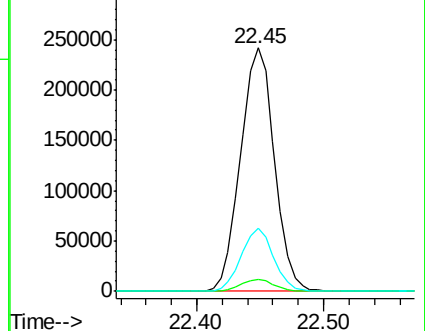
236 25.9 20.9 31.3



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: 2.207 ng

RT: 20.65 min Scan# 2955

Delta R.T. 0.37 min

Lab File: BG032149.D

Acq: 18 Jan 2018 23:16

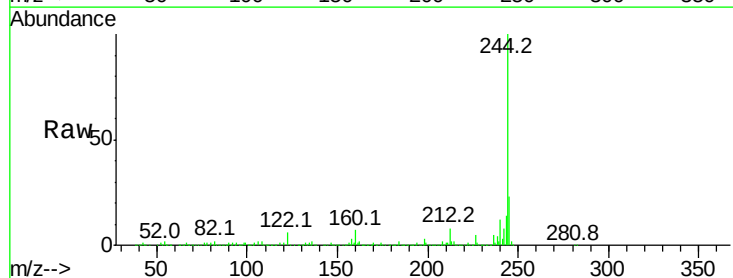
Tgt Ion:184 Resp: 24691

Ion Ratio Lower Upper

184 100

185 17.7 11.1 16.7#

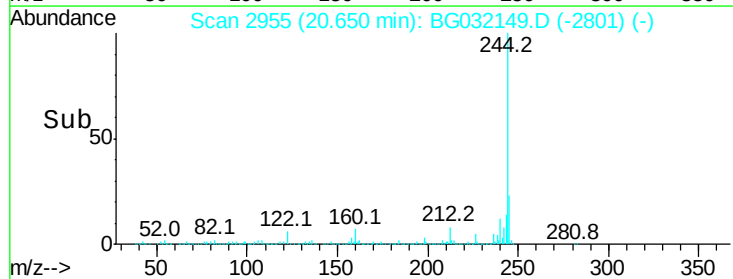
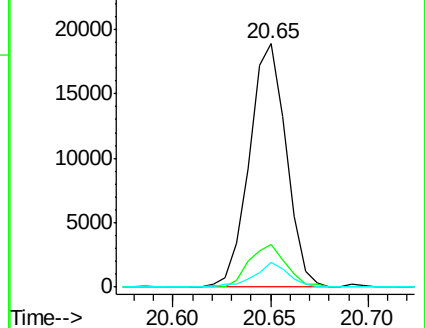
183 10.1 10.6 16.0#

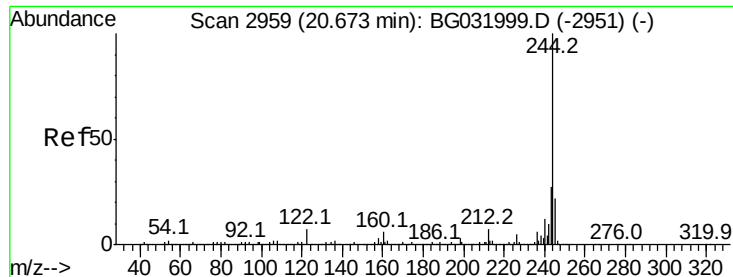


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#78

Terphenyl-d14

Concen: 85.538 ng

RT: 20.65 min Scan# 2955

Delta R.T. -0.00 min

Lab File: BG032149.D

Acq: 18 Jan 2018 23:16

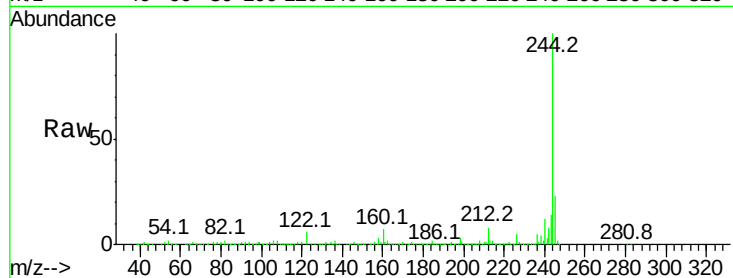
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1733474

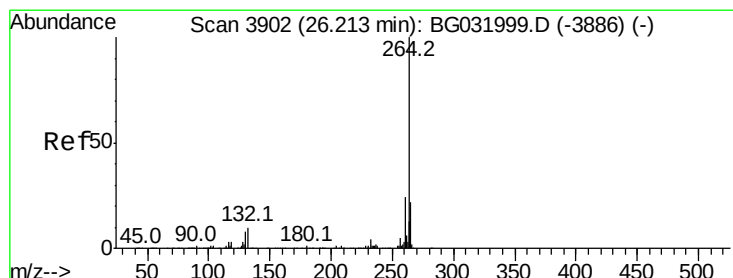
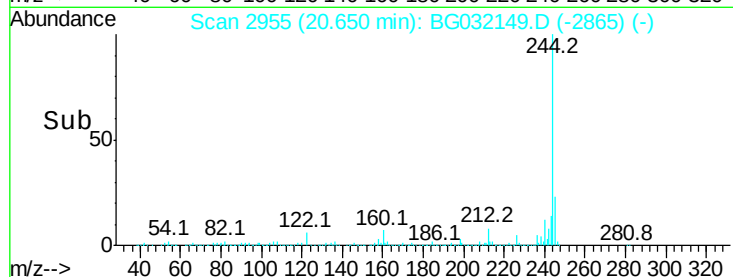
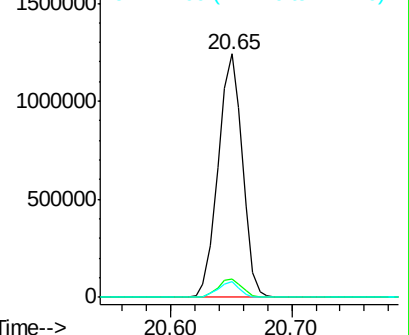
Ion	Ratio	Lower	Upper
244	100		
212	7.7	5.8	8.8
122	6.2	7.0	10.4



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: 26.15 min Scan# 3891

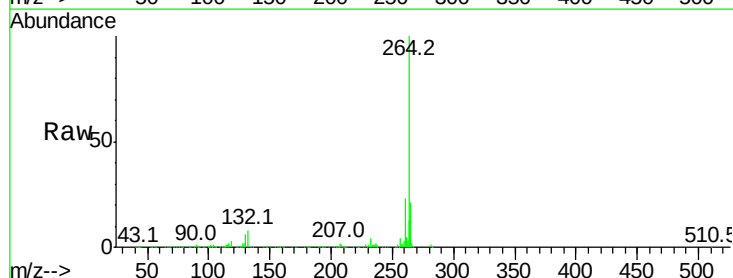
Delta R.T. -0.00 min

Lab File: BG032149.D

Acq: 18 Jan 2018 23:16

Tgt Ion:264 Resp: 457933

Ion	Ratio	Lower	Upper
264	100		
260	22.5	17.4	26.0
265	20.8	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

