

Data Path : Z:\HPCHEM1\BNA G\DATA\BG122117\
 Data File : BG031677.D
 Acq On : 21 Dec 2017 17:28
 Operator : SJ/JU
 Sample : PB105239BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Dec 22 03:14:50 2017
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 14:09:19 2017
 Response via : Initial Calibration

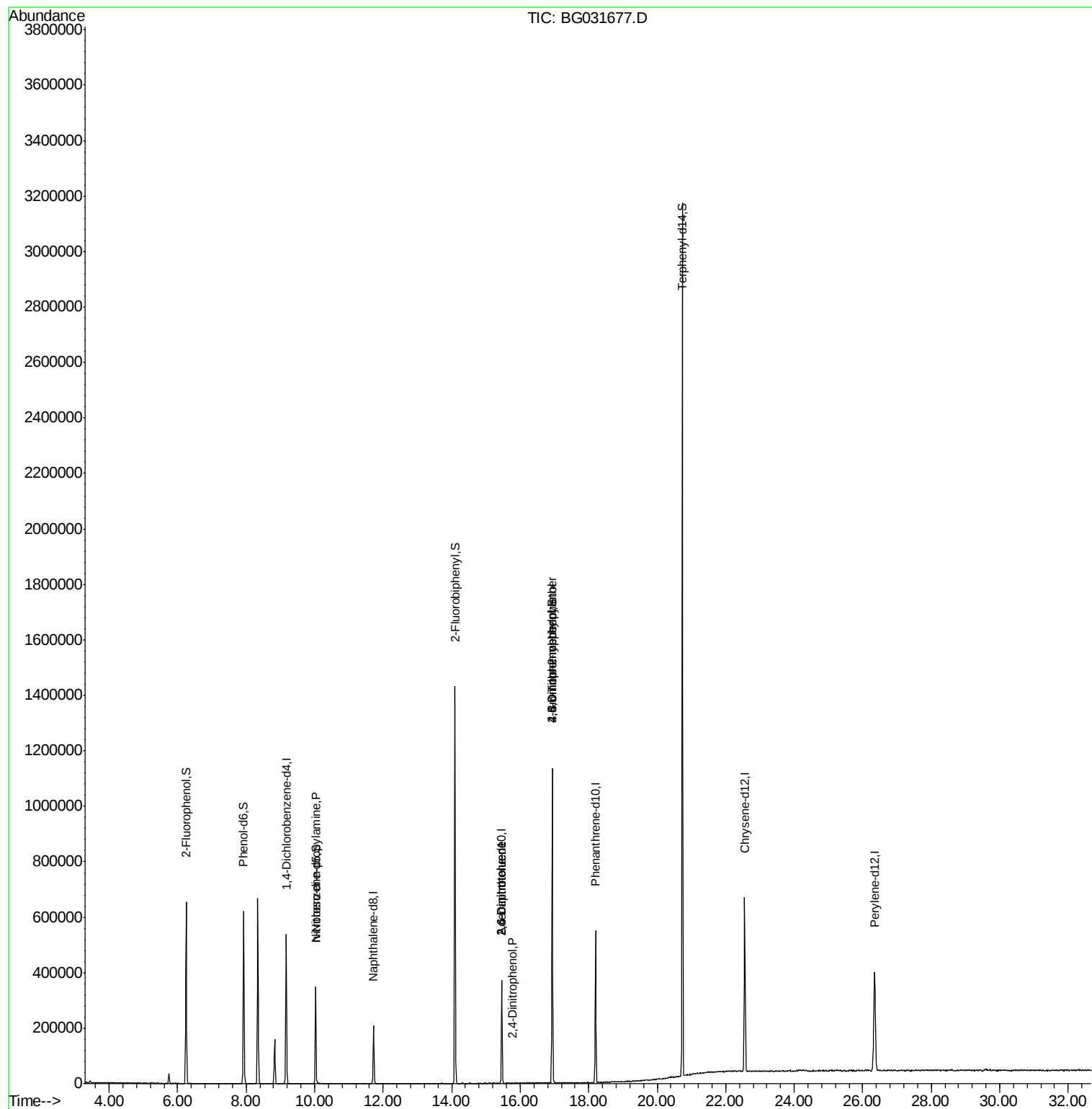
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	9.17	152	197259	20.00	ng	0.33
21) Naphthalene-d8	11.72	136	213855	20.00	ng	0.00
38) Acenaphthene-d10	15.46	164	146391	20.00	ng	0.00
63) Phenanthrene-d10	18.20	188	392884	20.00	ng	0.00
75) Chrysene-d12	22.56	240	492396	20.00	ng	-0.01
86) Perylene-d12	26.35	264	505521	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	6.25	112	358955	33.14	ng	0.00
7) Phenol-d6	7.93	99	438559	31.19	ng	0.00
23) Nitrobenzene-d5	10.03	82	221739	78.30	ng	0.00
41) 2,4,6-Tribromophenol	16.94	330	273003	122.22	ng	0.00
44) 2-Fluorobiphenyl	14.09	172	857966	73.56	ng	0.00
78) Terphenyl-d14	20.73	244	1696557	78.72	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	10.03	70	28216	2.938	ng	# 74
50) 2,6-Dinitrotoluene	15.46	165	18700	7.882	ng	# 20
53) 2,4-Dinitrophenol	15.78	184	64	7.690	ng	# 1
56) 2,4-Dinitrotoluene	15.46	165	18700	6.130	ng	# 18
64) 4,6-Dinitro-2-methylphenol	16.93	198	466	8.507	ng	# 1
66) 4-Bromophenyl-phenylether	16.94	248	21958	3.865	ng	# 1

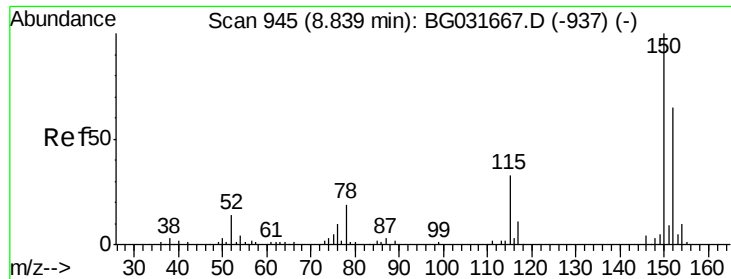
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 9.17 min Scan# 1000

Delta R.T. 0.33 min

Lab File: BG031677.D

Acq: 21 Dec 2017 17:28

Instrument :

BNA_G

ClientSampleId :

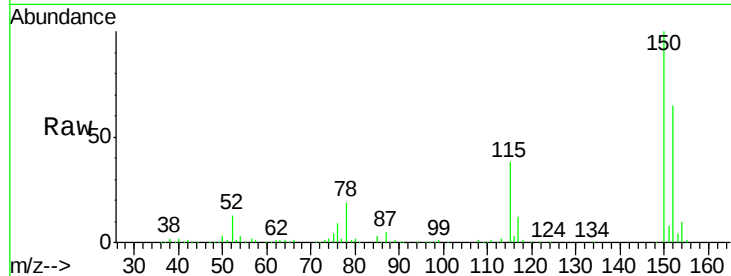
Tot Ion:152 Resp: 197259

Ion Ratio Lower Upper

152 100

150 153.1 126.6 189.8

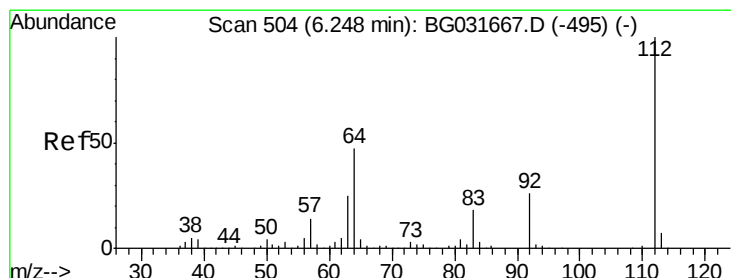
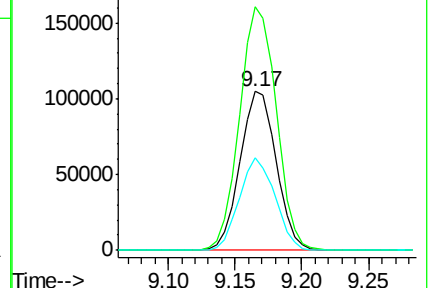
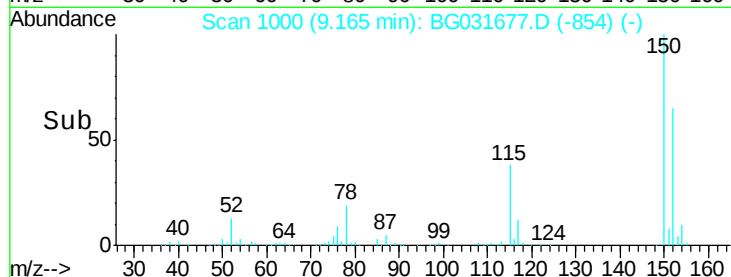
115 58.1 53.0 79.4



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



#5

2-Fluorophenol

Concen: 33.144 ng

RT: 6.25 min Scan# 503

Delta R.T. -0.00 min

Lab File: BG031677.D

Acq: 21 Dec 2017 17:28

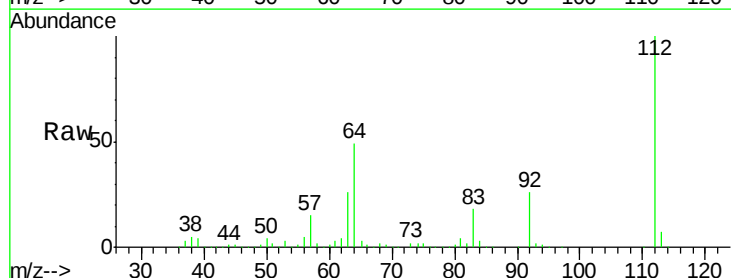
Tgt Ion:112 Resp: 358955

Ion Ratio Lower Upper

112 100

64 49.4 56.3 84.5#

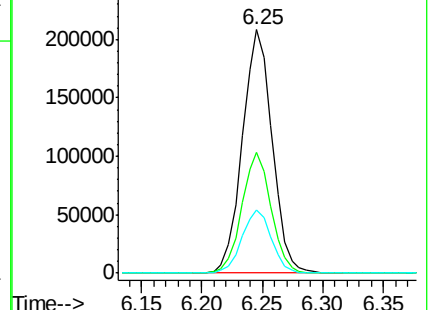
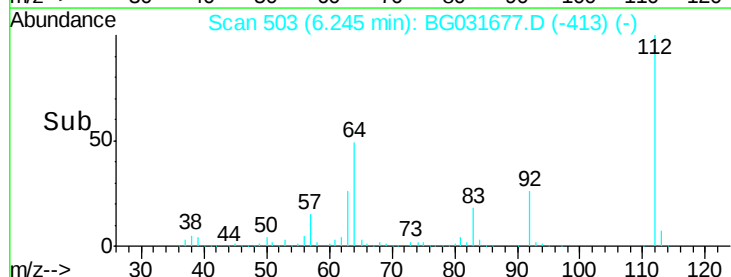
63 26.2 30.1 45.1#

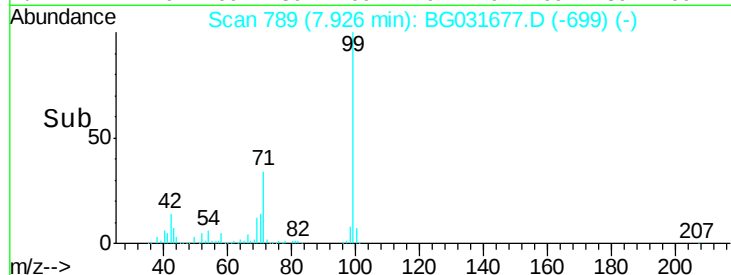
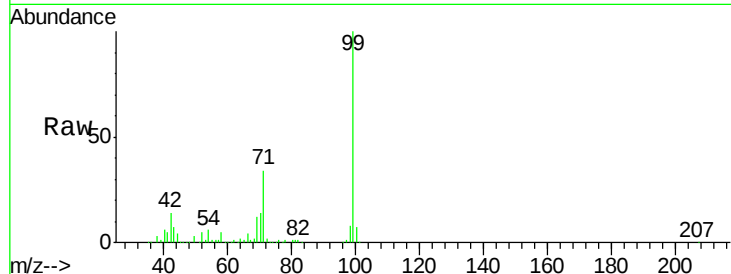


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 31.189 ng

RT: 7.93 min Scan# 789

Delta R.T. -0.00 min

Lab File: BG031677.D

Acq: 21 Dec 2017 17:28

Instrument :

BNA_G

ClientSampleId :

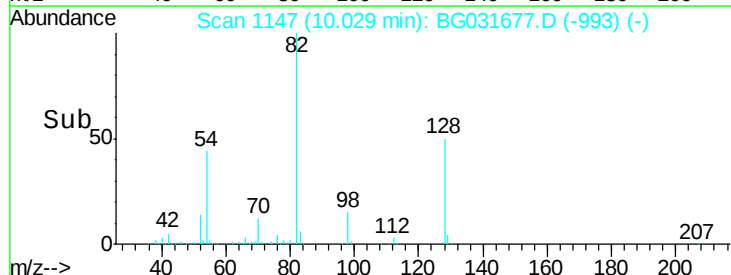
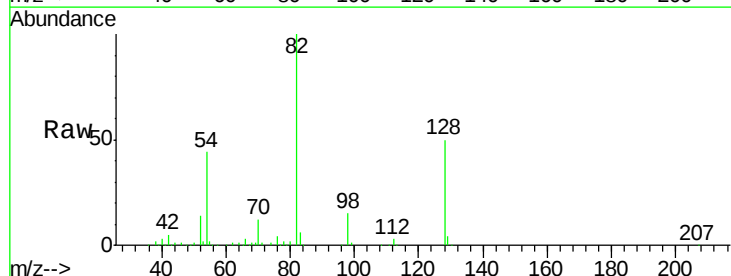
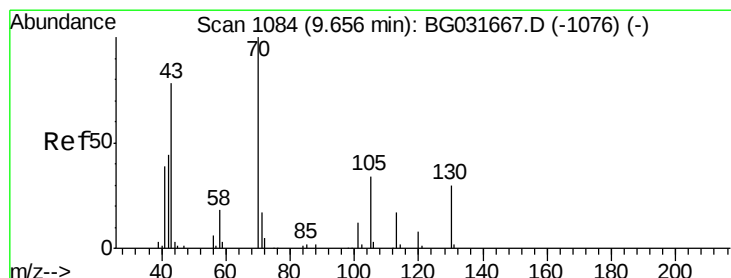
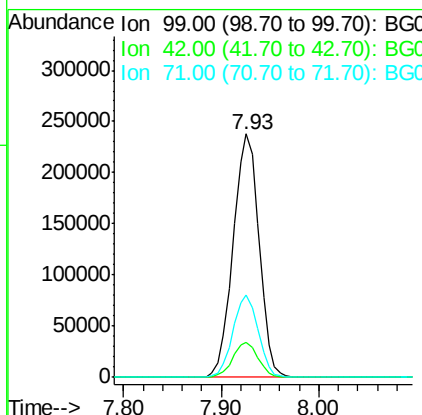
Tot Ion: 99 Resp: 438559

Ion Ratio Lower Upper

99 100

42 14.2 14.1 21.1

71 33.9 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 2.938 ng

RT: 10.03 min Scan# 1147

Delta R.T. 0.37 min

Lab File: BG031677.D

Acq: 21 Dec 2017 17:28

Tgt Ion: 70 Resp: 28216

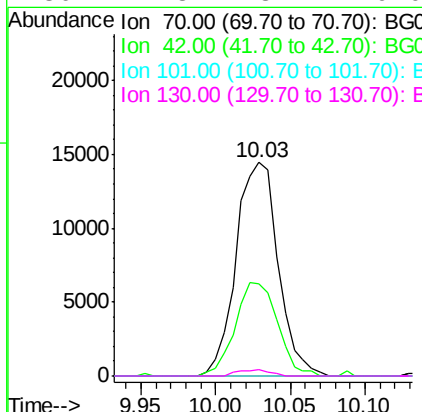
Ion Ratio Lower Upper

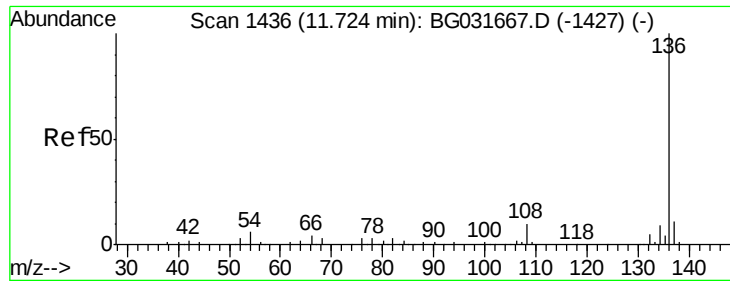
70 100

42 42.9 49.1 73.7#

101 0.0 8.5 12.7#

130 2.8 13.4 20.0#

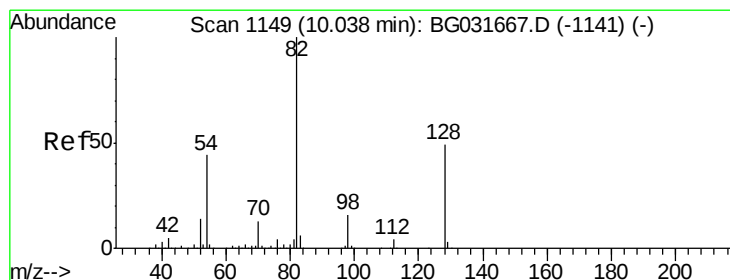
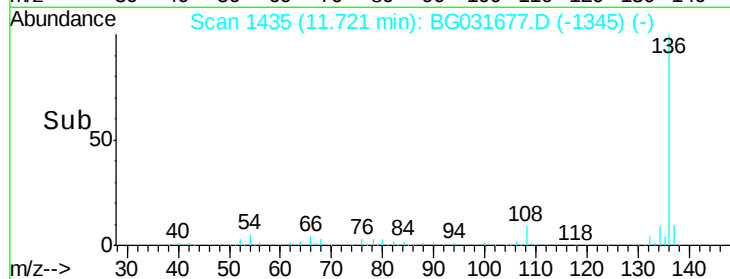
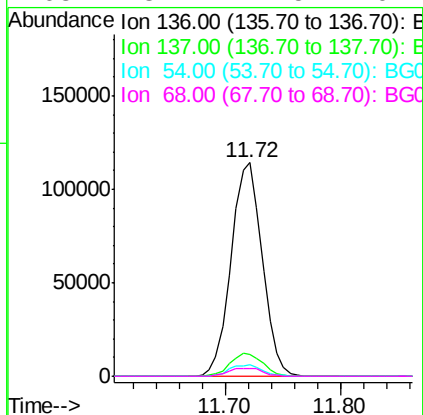
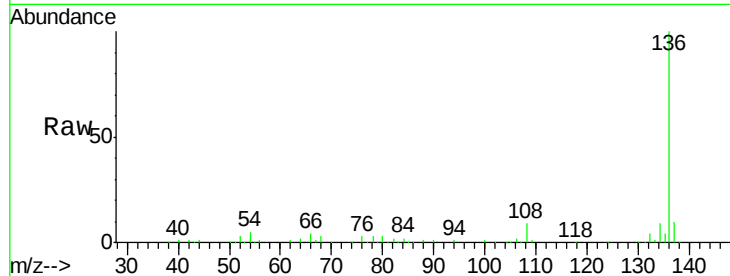




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.72 min Scan# 1435
Delta R.T. -0.00 min
Lab File: BG031677.D
Acq: 21 Dec 2017 17:28

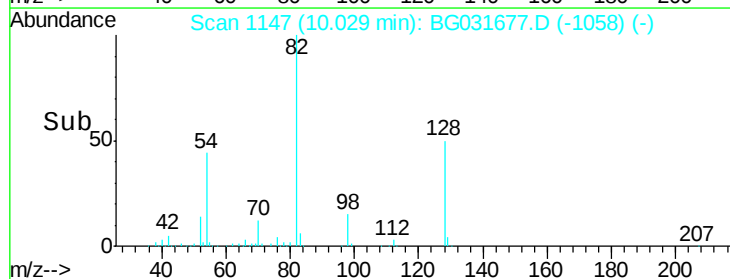
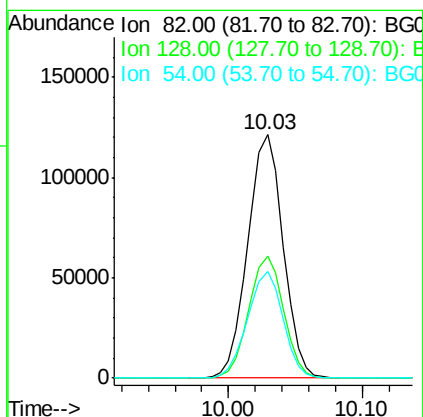
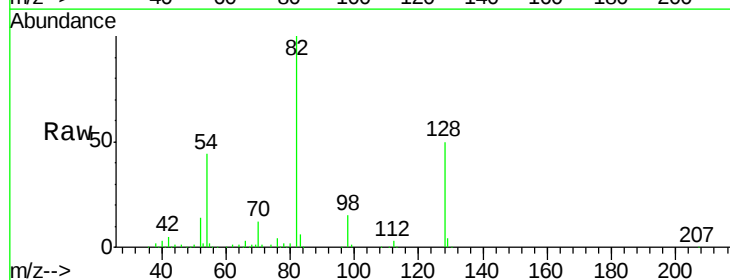
Instrument :
BNA_G
ClientSampleId :

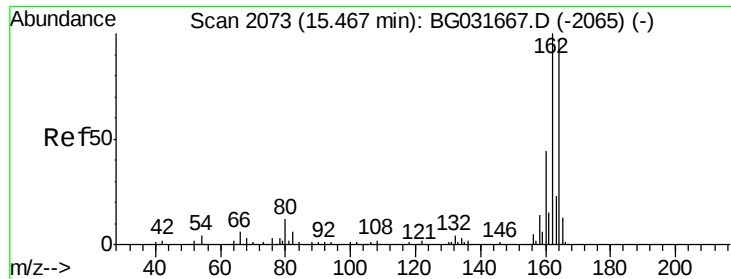
Tot Ion:136	Resp:	213855
Ion Ratio	Lower	Upper
136	100	
137	10.1	9.2 13.8
54	5.5	10.3 15.5#
68	3.4	4.5 6.7#



#23
Nitrobenzene-d5
Concen: 78.296 ng
RT: 10.03 min Scan# 1147
Delta R.T. -0.01 min
Lab File: BG031677.D
Acq: 21 Dec 2017 17:28

Tgt Ion: 82	Resp:	221739
Ion Ratio	Lower	Upper
82	100	
128	50.2	29.7 44.5#
54	44.0	43.1 64.7

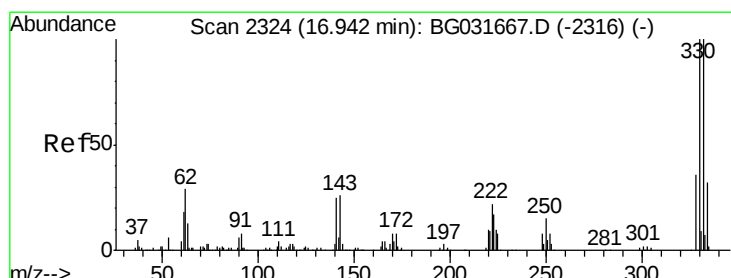
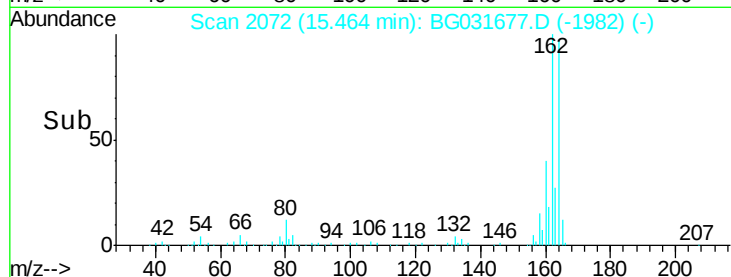
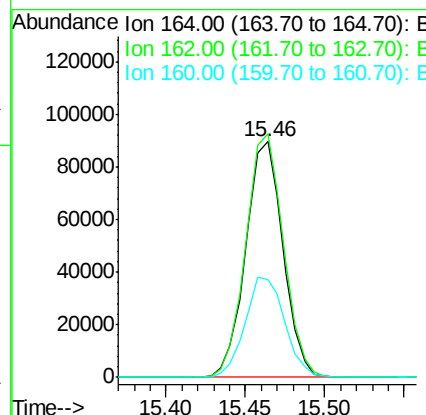
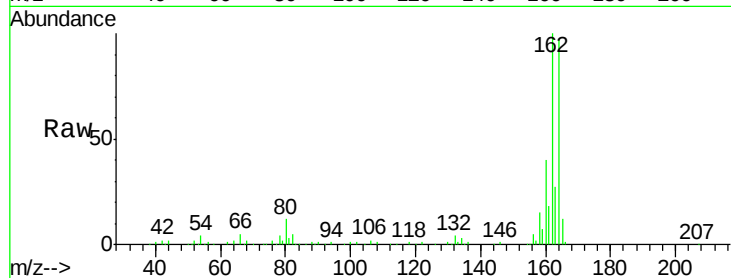




#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.46 min Scan# 2072
Delta R.T. -0.00 min
Lab File: BG031677.D
Acq: 21 Dec 2017 17:28

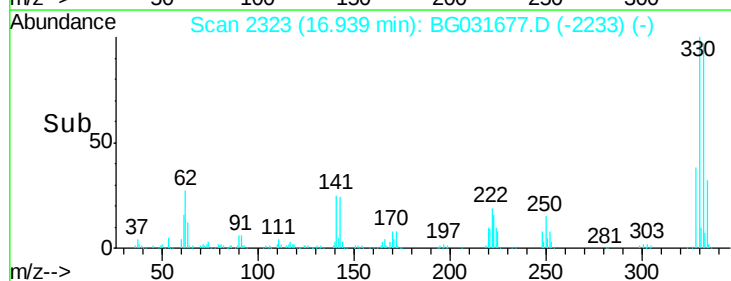
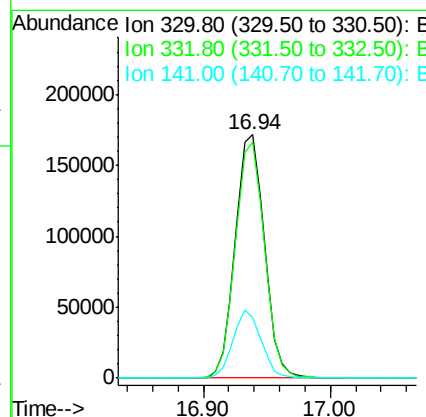
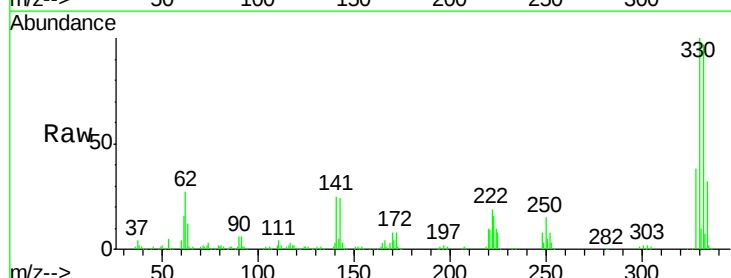
Instrument :
BNA_G
ClientSampleId :

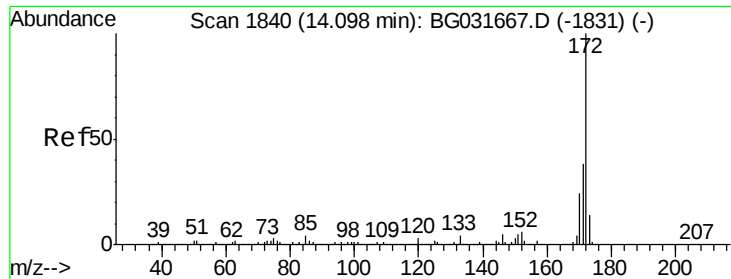
Tot Ion	Ratio	Lower	Upper
164	100		
162	103.3	78.8	118.2
160	41.7	35.4	53.0



#41
2,4,6-Tribromophenol
Concen: 122.219 ng
RT: 16.94 min Scan# 2323
Delta R.T. -0.00 min
Lab File: BG031677.D
Acq: 21 Dec 2017 17:28

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	26.8	25.2	37.8

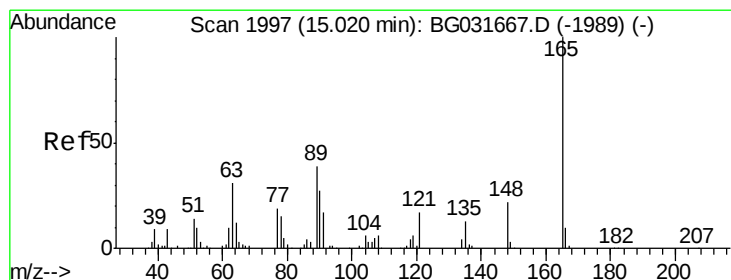
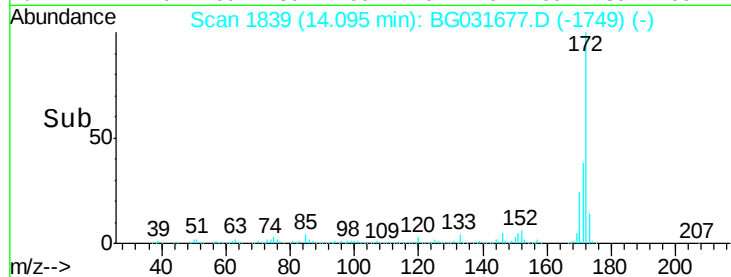
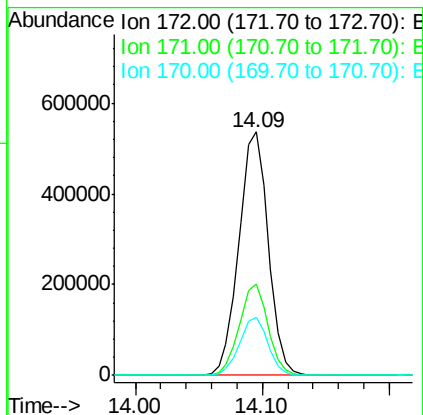
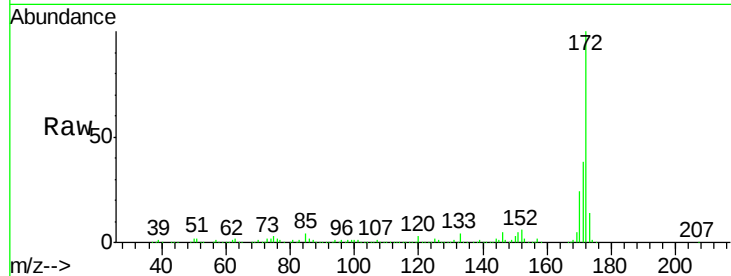




#44
2-Fluorobiphenyl
Concen: 73.561 ng
RT: 14.09 min Scan# 1839
Delta R.T. -0.00 min
Lab File: BG031677.D
Acq: 21 Dec 2017 17:28

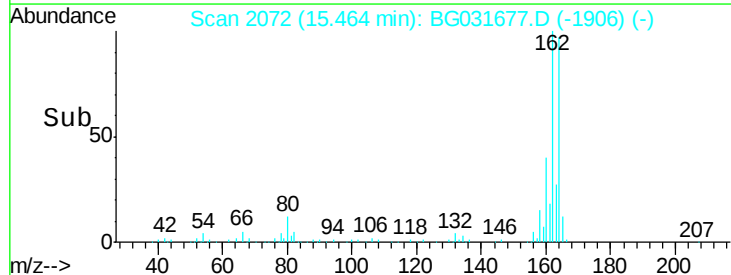
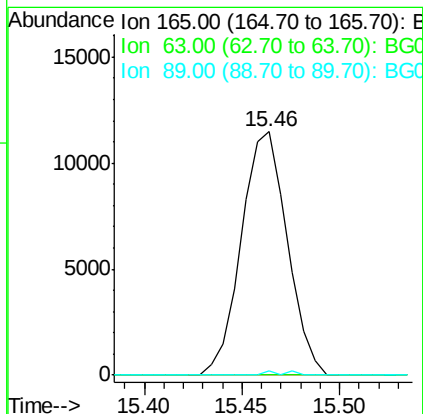
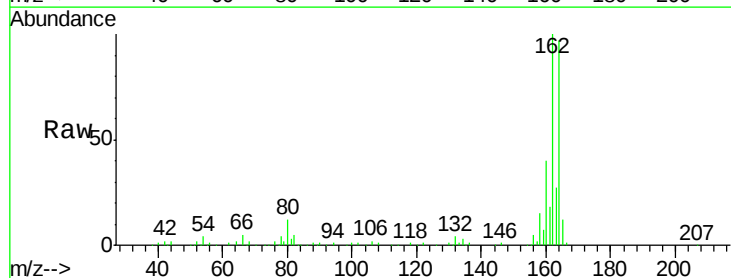
Instrument :
BNA_G
ClientSampleId :

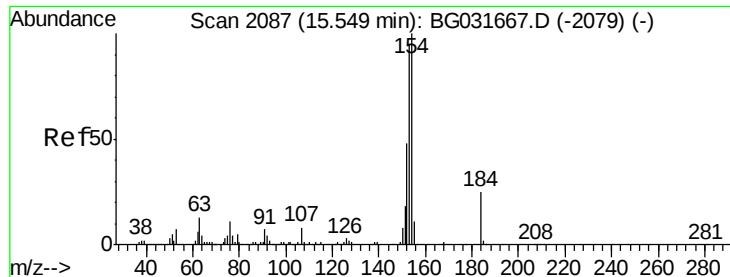
Tot Ion:172 Resp: 857966
Ion Ratio Lower Upper
172 100
171 37.7 30.0 45.0
170 23.6 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.882 ng
RT: 15.46 min Scan# 2072
Delta R.T. 0.44 min
Lab File: BG031677.D
Acq: 21 Dec 2017 17:28

Tgt Ion:165 Resp: 18700
Ion Ratio Lower Upper
165 100
63 0.0 52.7 79.1#
89 2.0 49.2 73.8#





#53

2,4-Dinitrophenol

Concen: 7.690 ng

RT: 15.78 min Scan# 2125

Delta R.T. 0.23 min

Lab File: BG031677.D

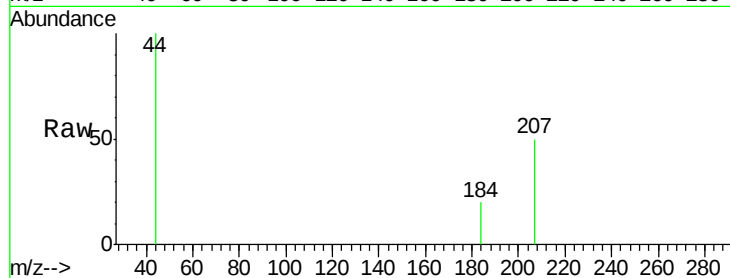
Acq: 21 Dec 2017 17:28

Instrument :

BNA_G

ClientSampleId :

Tot Ion	Ratio	Lower	Upper
184	100		
63	0.0	59.8	89.8#
154	0.0	101.8	152.8#

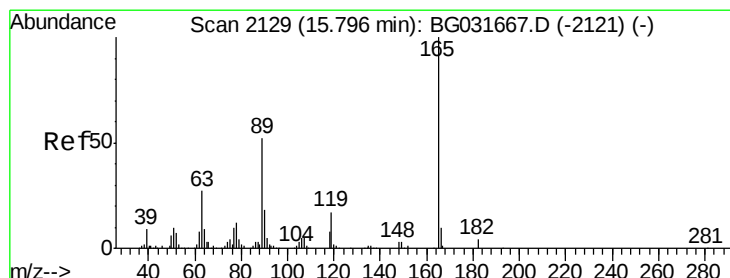
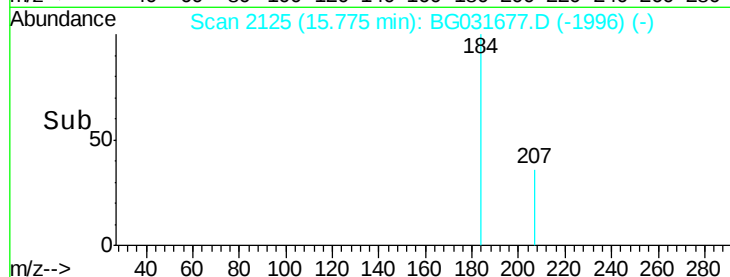
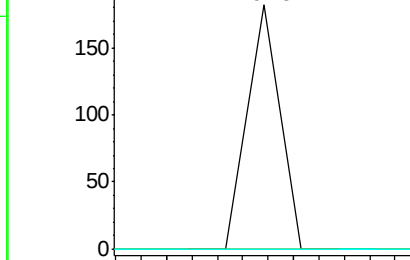


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BGC

Ion 154.00 (153.70 to 154.70): E

15.78



#56

2,4-Dinitrotoluene

Concen: 6.130 ng

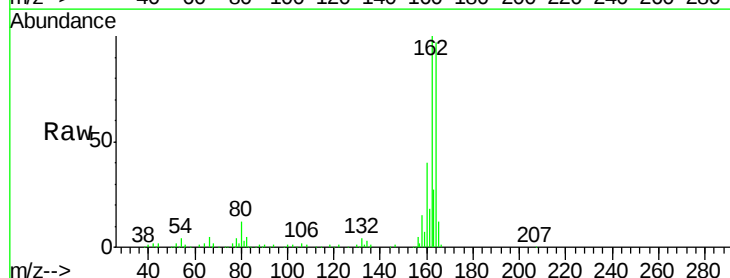
RT: 15.46 min Scan# 2072

Delta R.T. -0.33 min

Lab File: BG031677.D

Acq: 21 Dec 2017 17:28

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	42.0	63.0#
89	2.0	66.9	100.3#
182	0.0	2.6	3.8#



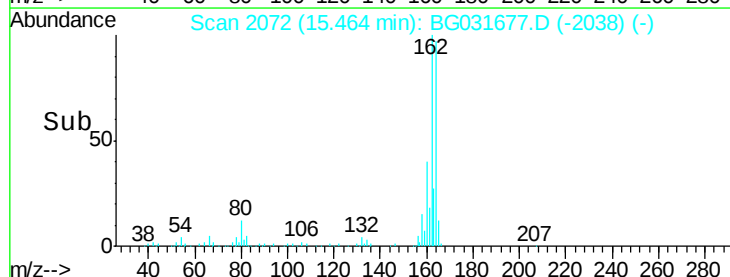
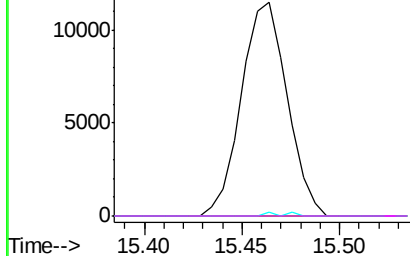
Abundance Ion 165.00 (164.70 to 165.70): E

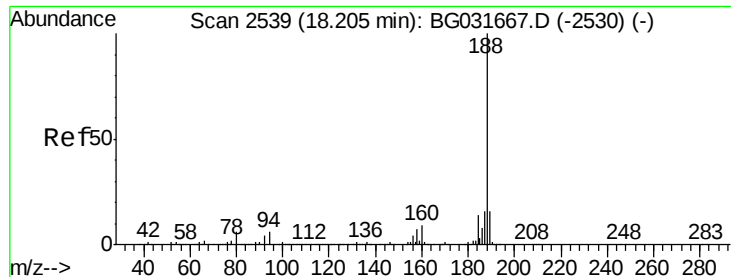
Ion 63.00 (62.70 to 63.70): BGC

Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E

15.46

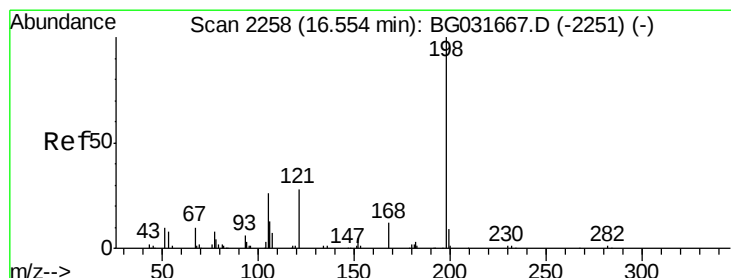
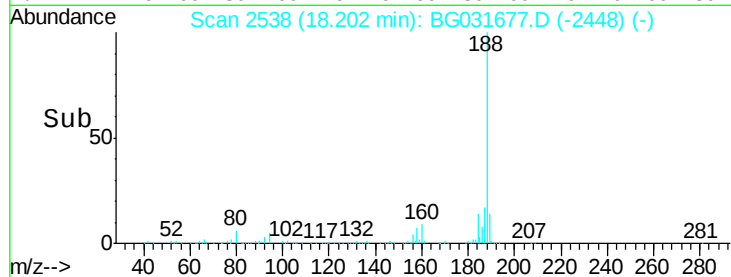
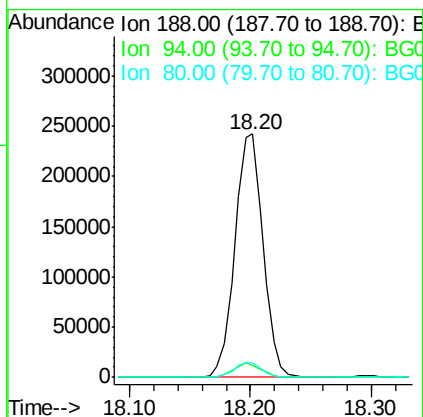
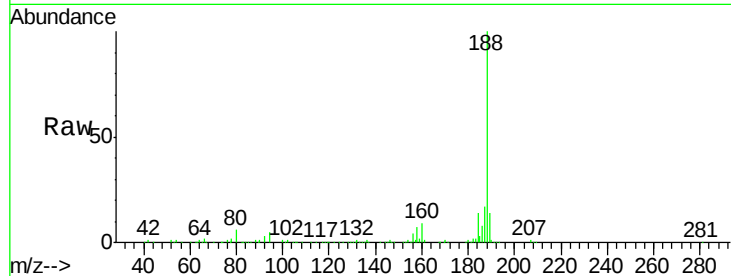




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 18.20 min Scan# 2538
Delta R.T. -0.00 min
Lab File: BG031677.D
Acq: 21 Dec 2017 17:28

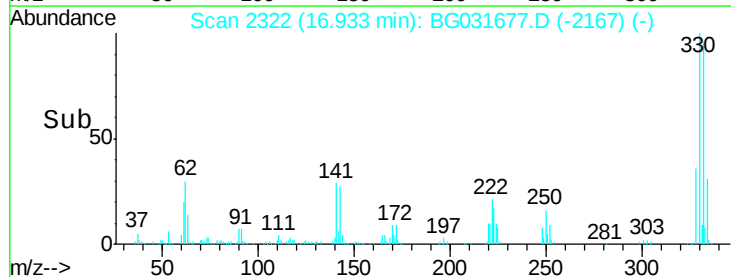
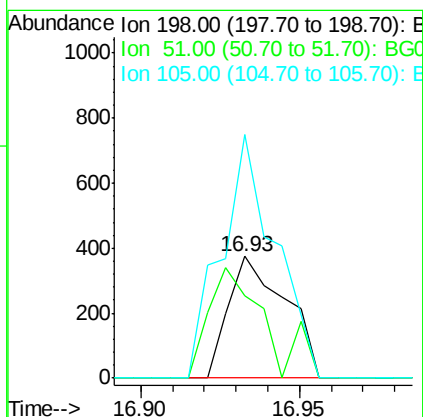
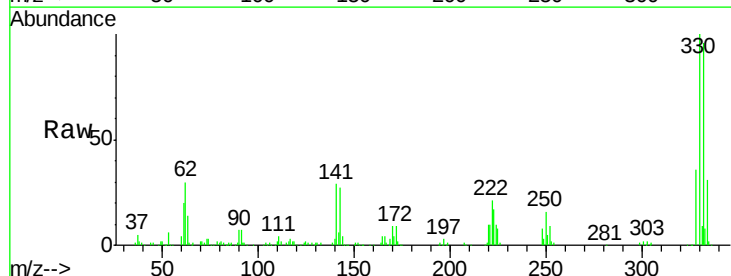
Instrument :
BNA_G
ClientSampleId :

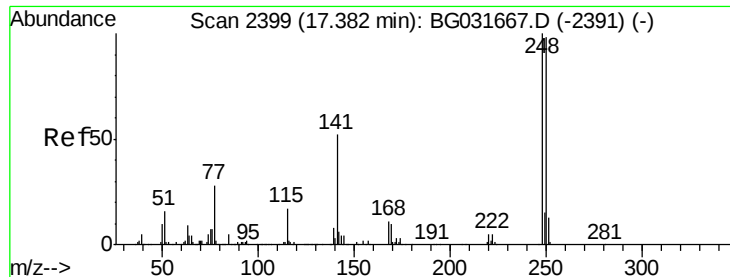
Tot Ion:188 Resp: 392884
Ion Ratio Lower Upper
188 100
94 5.1 6.9 10.3#
80 5.7 7.7 11.5#



#64
4,6-Dinitro-2-methylphenol
Concen: 8.507 ng
RT: 16.93 min Scan# 2322
Delta R.T. 0.38 min
Lab File: BG031677.D
Acq: 21 Dec 2017 17:28

Tgt Ion:198 Resp: 466
Ion Ratio Lower Upper
198 100
51 68.0 30.6 70.6
105 199.7 23.8 63.8#

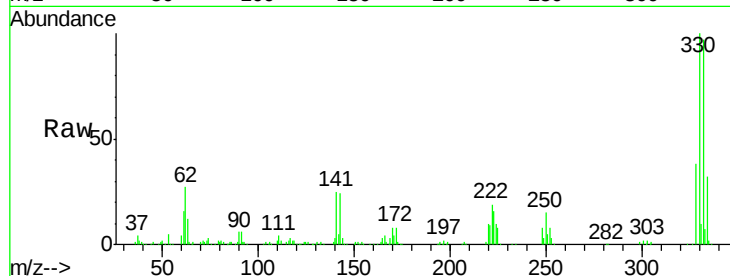




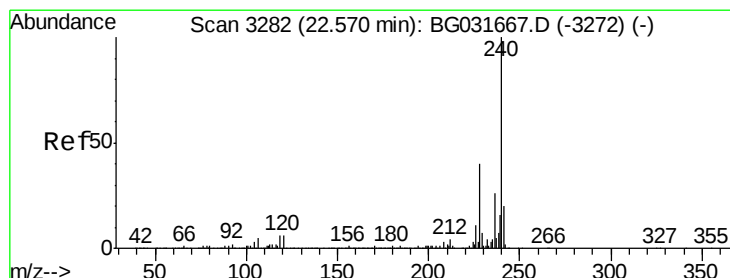
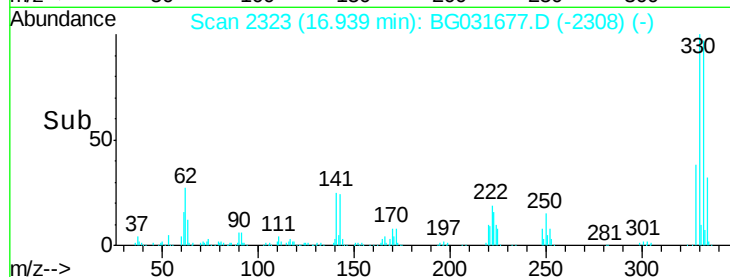
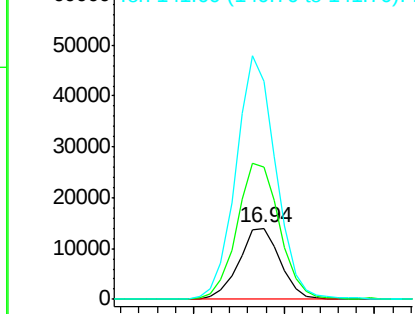
#66
4-Bromophenyl-phenylether
Concen: 3.865 ng
RT: 16.94 min Scan# 2323
Delta R.T. -0.44 min
Lab File: BG031677.D
Acq: 21 Dec 2017 17:28

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 21958
Ion Ratio Lower Upper
248 100
250 186.4 77.1 115.7#
141 305.5 50.8 76.2#

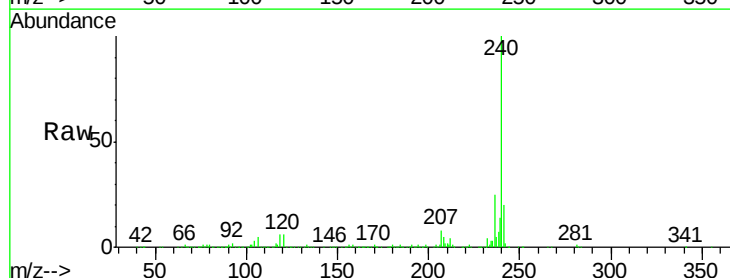


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

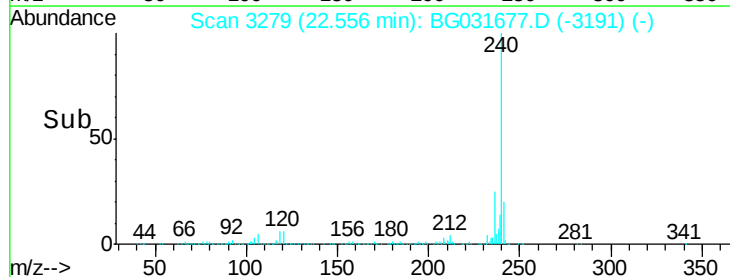
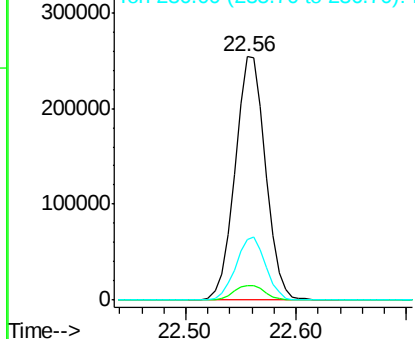


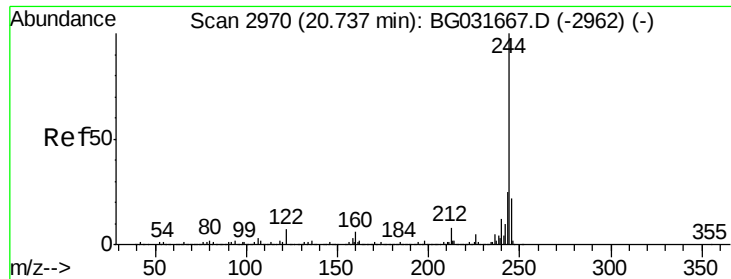
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.56 min Scan# 3279
Delta R.T. -0.01 min
Lab File: BG031677.D
Acq: 21 Dec 2017 17:28

Tgt Ion:240 Resp: 492396
Ion Ratio Lower Upper
240 100
120 6.2 6.8 10.2#
236 25.0 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: 78.718 ng

RT: 20.73 min Scan# 2969

Delta R.T. -0.00 min

Lab File: BG031677.D

Acq: 21 Dec 2017 17:28

Instrument :

BNA_G

ClientSampleId :

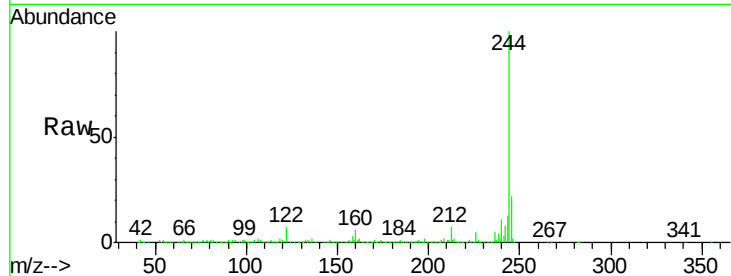
Tot Ion:244 Resp: 1696557

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.8	8.8
122	7.1	7.0	10.4

244 100

212 7.4 5.8 8.8

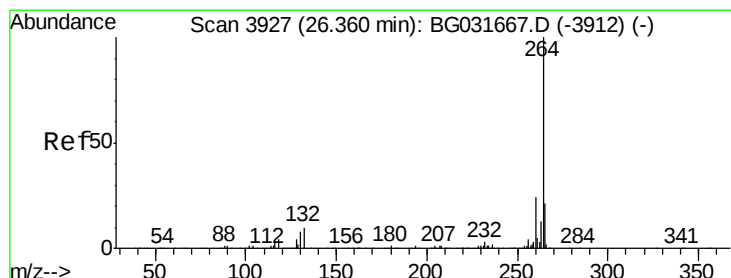
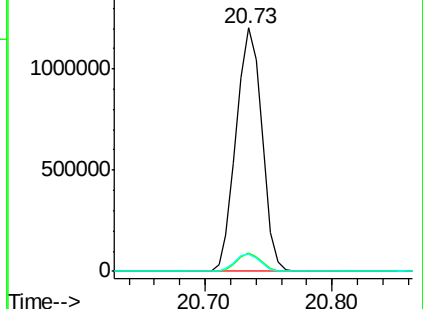
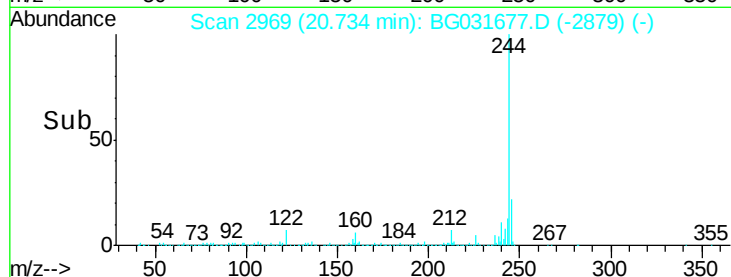
122 7.1 7.0 10.4



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: 26.35 min Scan# 3925

Delta R.T. -0.01 min

Lab File: BG031677.D

Acq: 21 Dec 2017 17:28

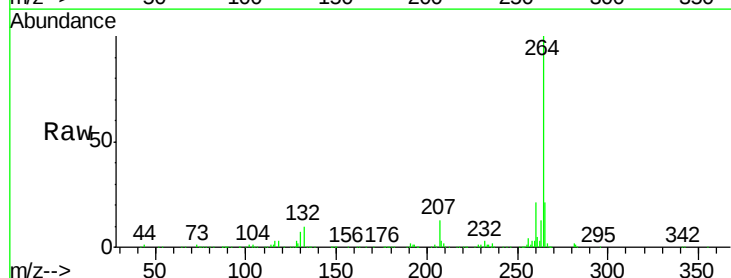
Tgt Ion:264 Resp: 505521

Ion	Ratio	Lower	Upper
264	100		
260	21.2	17.4	26.0
265	20.7	17.7	26.5

264 100

260 21.2 17.4 26.0

265 20.7 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

