

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042518\
 Data File : BG034011.D
 Acq On : 26 Apr 2018 7:17
 Operator : SJ/JU
 Sample : J2156-04
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 26 15:05:35 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG041918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 19 13:56:22 2018
 Response via : Initial Calibration

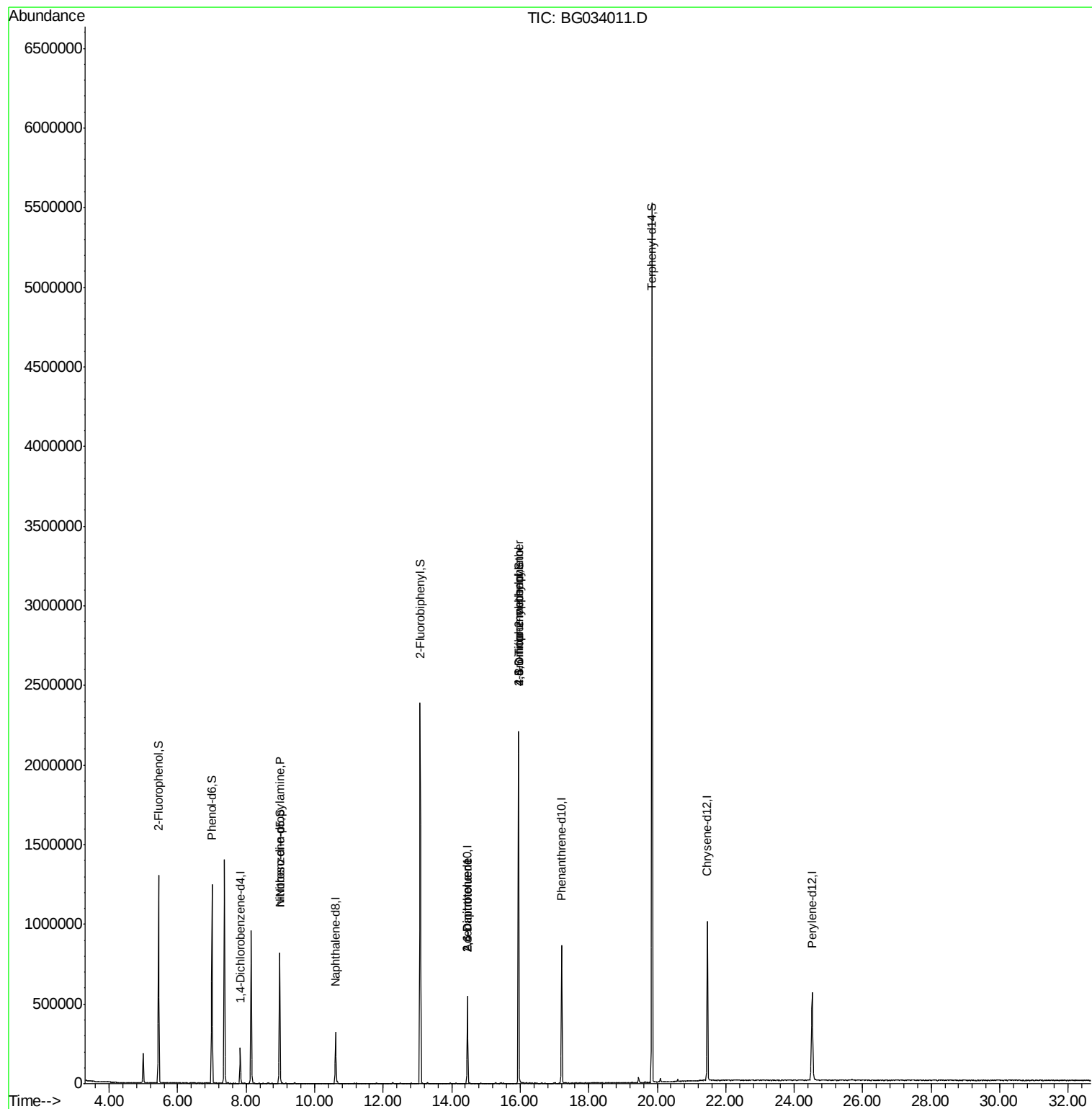
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	61267	20.00	ng	-0.01
21) Naphthalene-d8	10.61	136	275376	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	193635	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	532701	20.00	ng	-0.02
75) Chrysene-d12	21.46	240	592070	20.00	ng	-0.03
86) Perylene-d12	24.52	264	586728	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	546497	142.41	ng	0.00
7) Phenol-d6	7.00	99	686550	122.66	ng	0.00
23) Nitrobenzene-d5	8.98	82	493689	102.03	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	411969	182.36	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1294665	98.22	ng	-0.02
78) Terphenyl-d14	19.85	244	2482079	94.18	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.00	77	1186	Below Cal	Qvalue	
19) n-Nitroso-di-n-propylamine	8.98	70	67965	14.245 ng	#	5
50) 2,6-Dinitrotoluene	14.46	165	24710	7.655 ng	#	83
56) 2,4-Dinitrotoluene	14.46	165	24710	5.757 ng	#	20
64) 4,6-Dinitro-2-methylphenol	15.96	198	2391	7.295 ng	#	18
66) 4-Bromophenyl-phenylether	15.95	248	18600	3.179 ng	#	74
					#	1

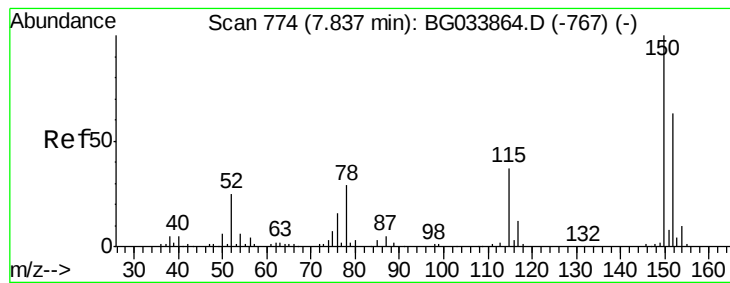
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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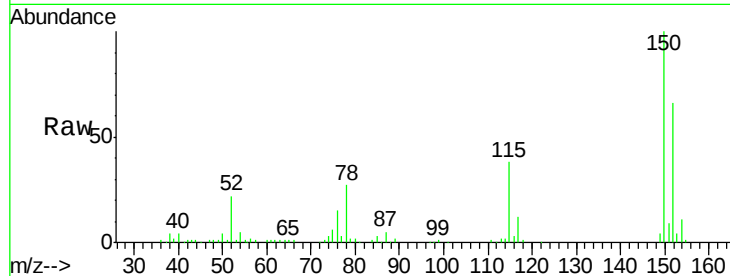


#1

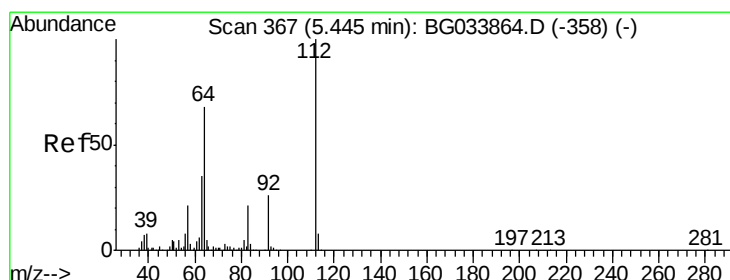
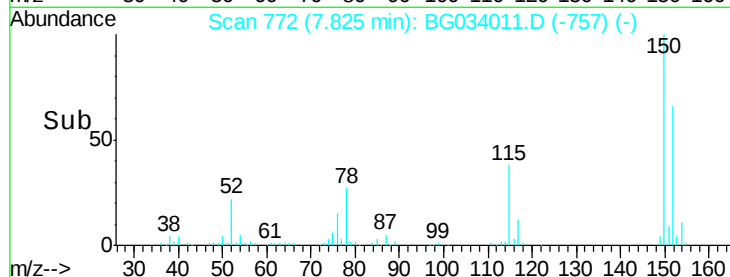
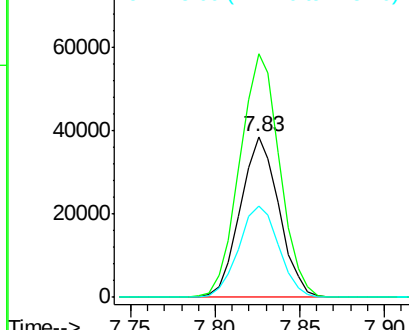
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 772
Delta R.T. -0.01 min
Lab File: BG034011.D
Acq: 26 Apr 2018 7:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.4	126.6	189.8
115	57.1	53.0	79.4



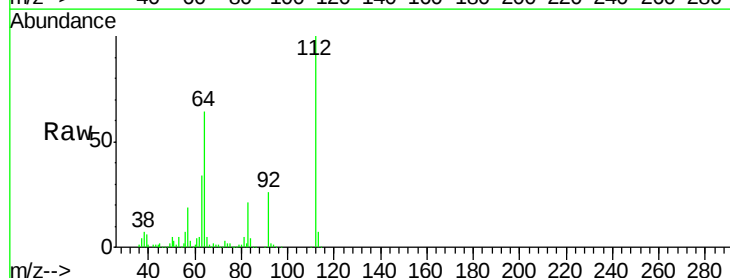
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



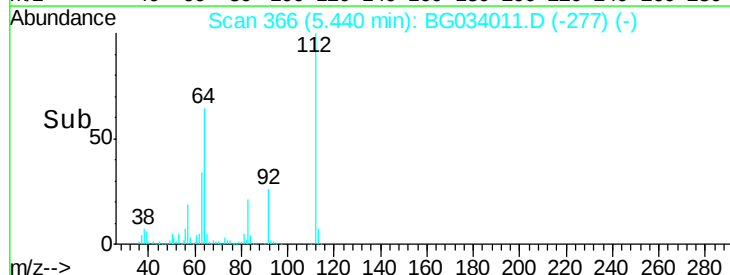
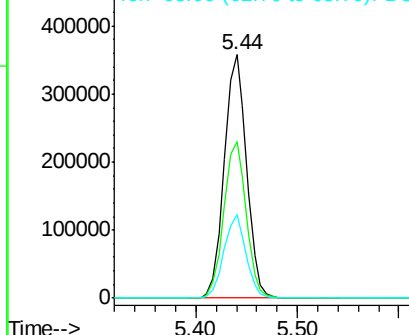
#5

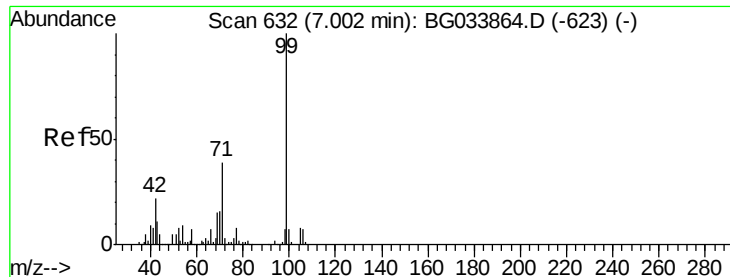
2-Fluorophenol
Concen: 142.410 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG034011.D
Acq: 26 Apr 2018 7:17

Tgt Ion	Ratio	Lower	Upper
112	100		
64	64.1	56.3	84.5
63	34.1	30.1	45.1



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BG0
Ion 63.00 (62.70 to 63.70): BG0





#7

Phenol-d6

Concen: 122.659 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG034011.D

Acq: 26 Apr 2018 7:17

Instrument :

BNA_G

ClientSampled :

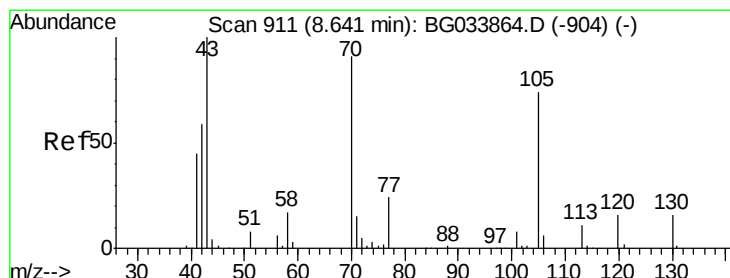
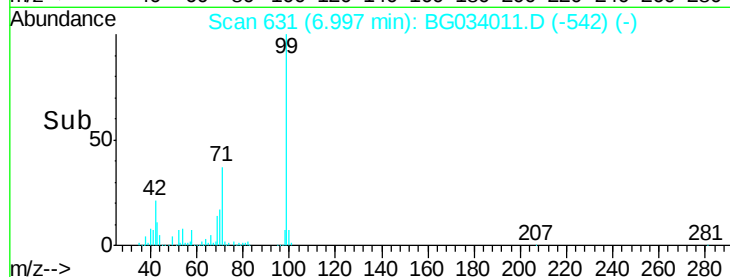
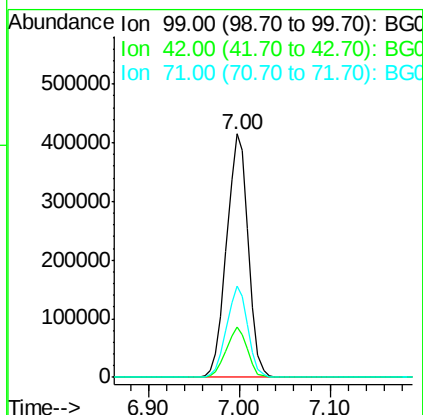
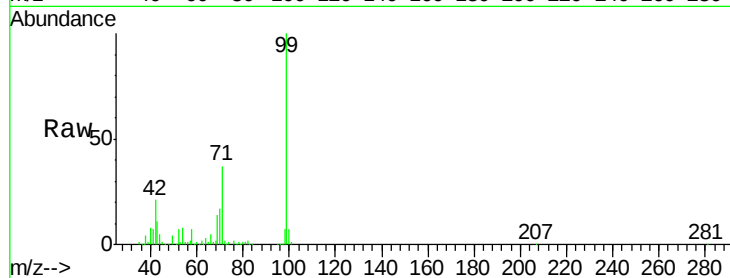
Tot Ion: 99 Resp: 686550

Ion Ratio Lower Upper

99 100

42 20.6 14.1 21.1

71 37.4 26.1 39.1



#19

n-Nitroso-di-n-propylamine

Concen: 14.245 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.34 min

Lab File: BG034011.D

Acq: 26 Apr 2018 7:17

Tgt Ion: 70 Resp: 67965

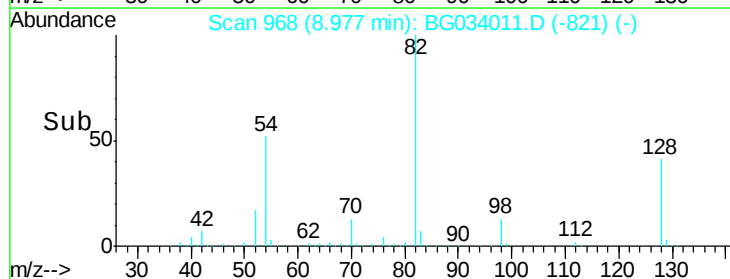
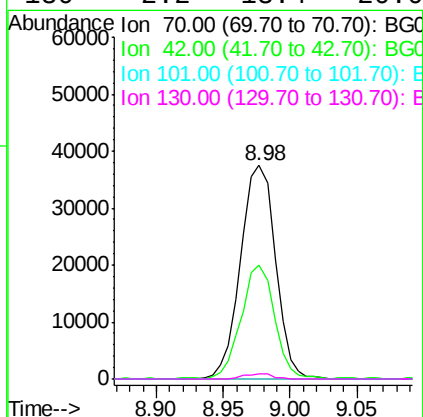
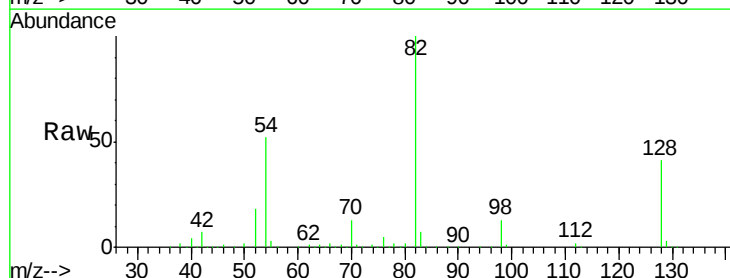
Ion Ratio Lower Upper

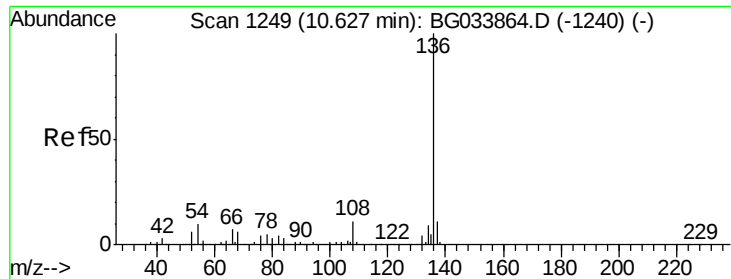
70 100

42 53.2 49.1 73.7

101 0.0 8.5 12.7#

130 2.2 13.4 20.0#

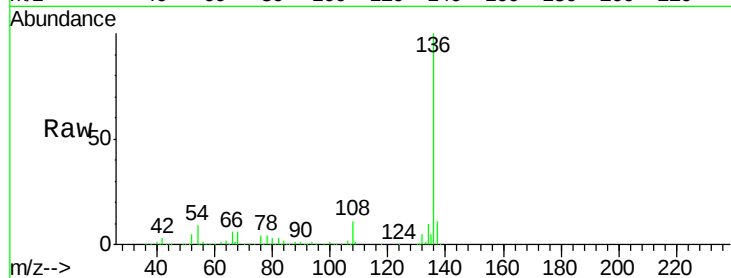




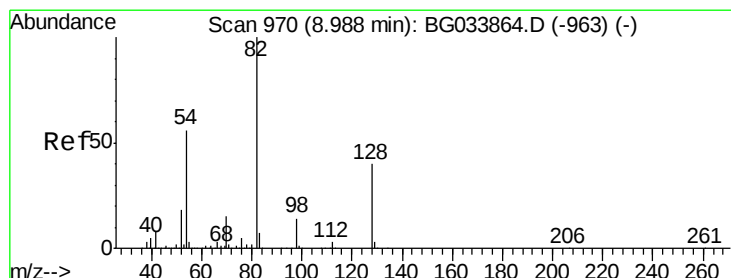
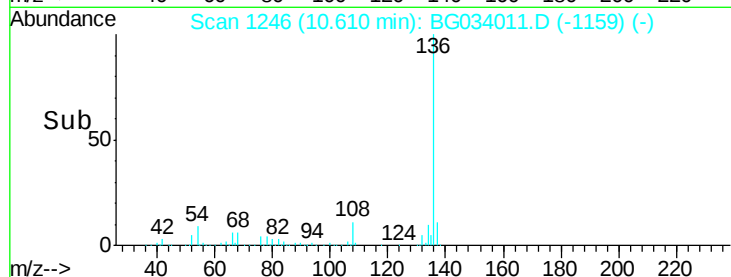
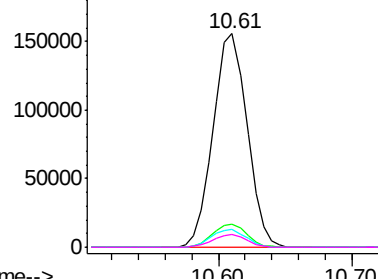
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG034011.D
Acq: 26 Apr 2018 7:17

Instrument :
BNA_G
ClientSampled :

Tot Ion:136	Resp:	275376
Ion Ratio	Lower	Upper
136	100	
137	10.9	9.2 13.8
54	9.0	10.3 15.5#
68	5.9	4.5 6.7

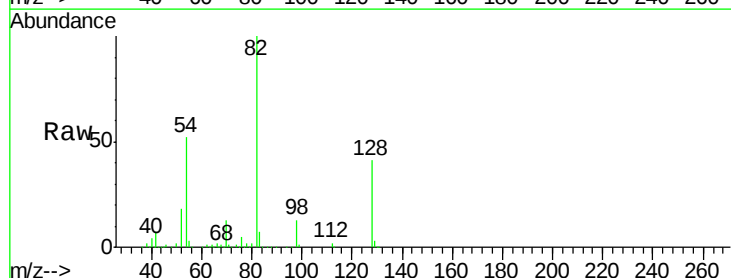


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

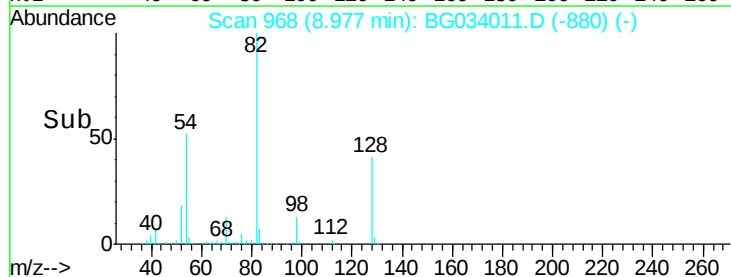
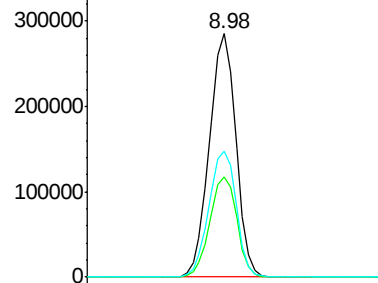


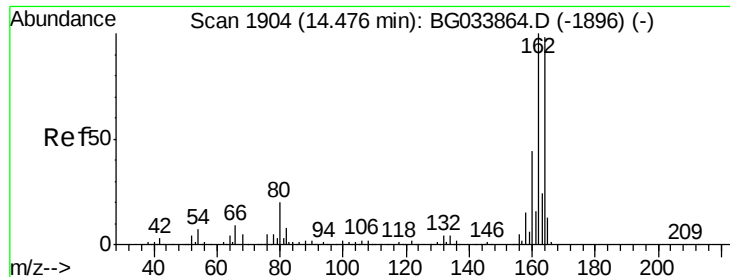
#23
Nitrobenzene-d5
Concen: 102.027 ng
RT: 8.98 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG034011.D
Acq: 26 Apr 2018 7:17

Tgt Ion: 82	Resp:	493689
Ion Ratio	Lower	Upper
82	100	
128	40.9	29.7 44.5
54	51.8	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: 14.46 min Scan# 1901

Delta R.T. -0.02 min

Lab File: BG034011.D

Acq: 26 Apr 2018 7:17

Instrument :

BNA_G

ClientSampleId :

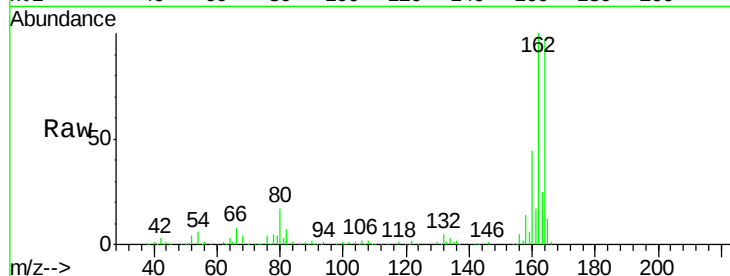
Tot Ion:164 Resp: 193635

Ion Ratio Lower Upper

164 100

162 103.2 78.8 118.2

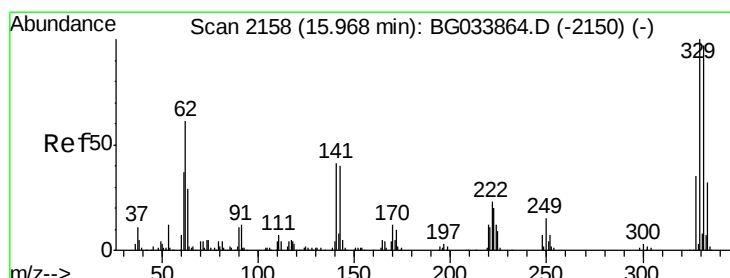
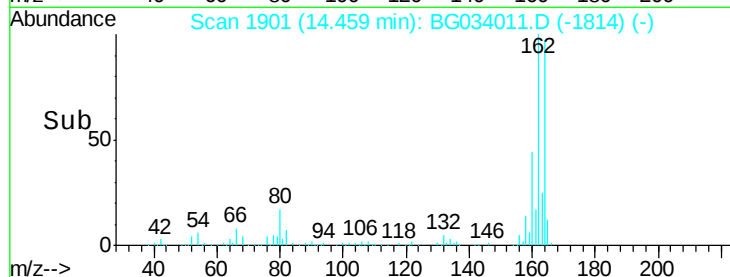
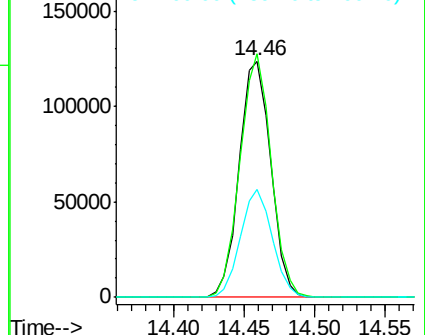
160 45.8 35.4 53.0



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: 182.363 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG034011.D

Acq: 26 Apr 2018 7:17

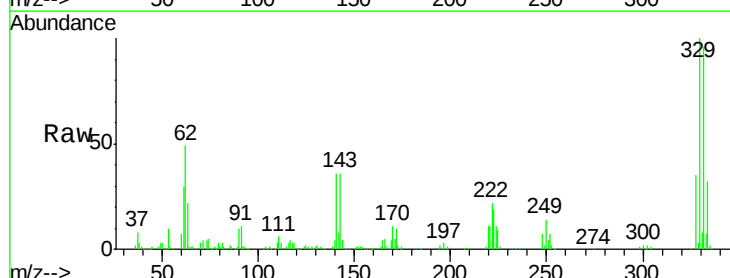
Tgt Ion:330 Resp: 411969

Ion Ratio Lower Upper

330 100

332 95.3 77.0 115.6

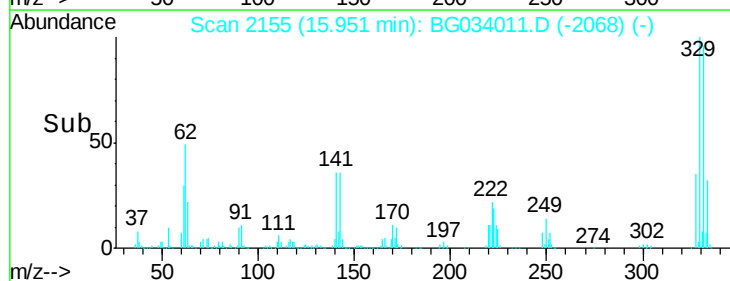
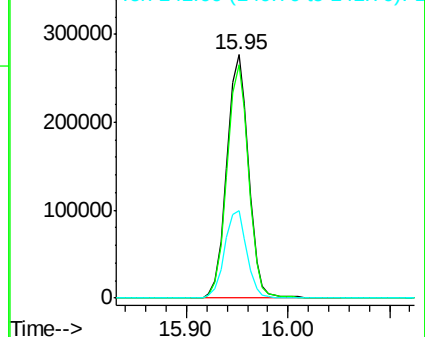
141 36.5 25.2 37.8

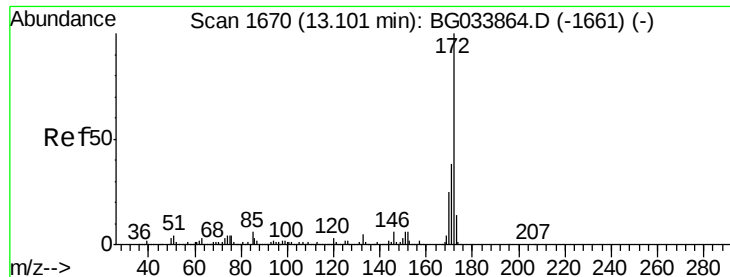


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

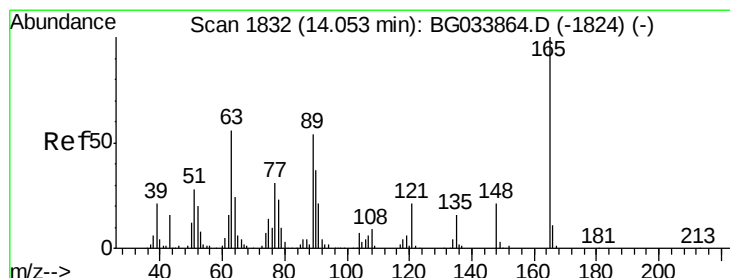
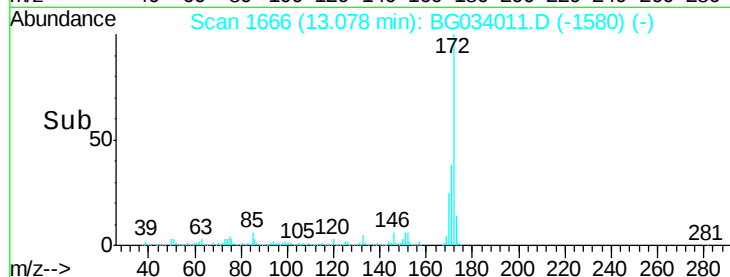
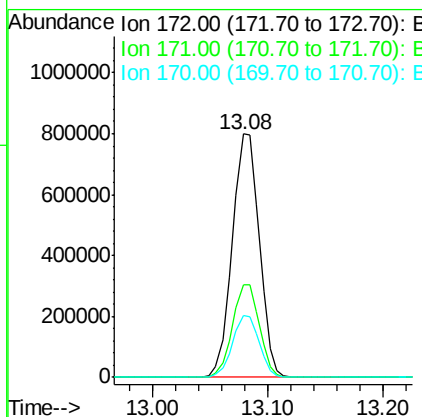
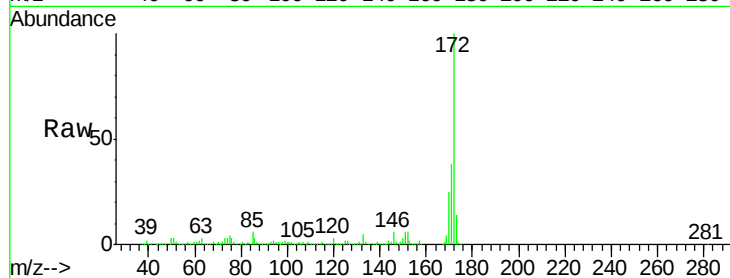




#44
 2-Fluorobiphenyl
 Concen: 98.221 ng
 RT: 13.08 min Scan# 1666
 Delta R.T. -0.02 min
 Lab File: BG034011.D
 Acq: 26 Apr 2018 7:17

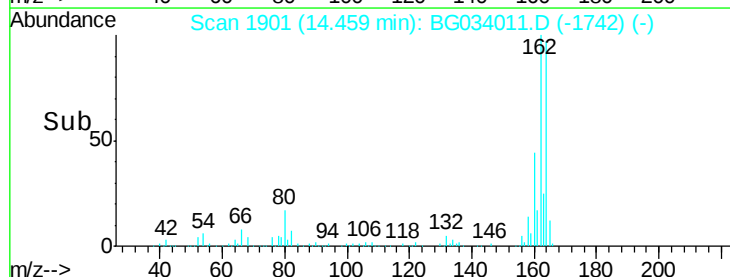
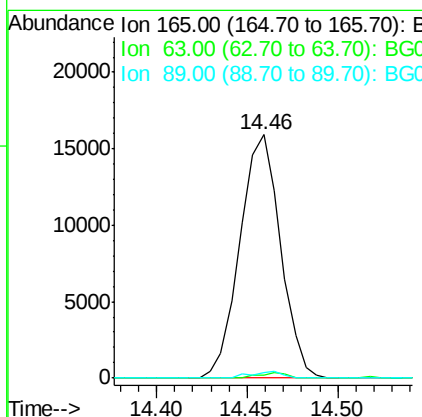
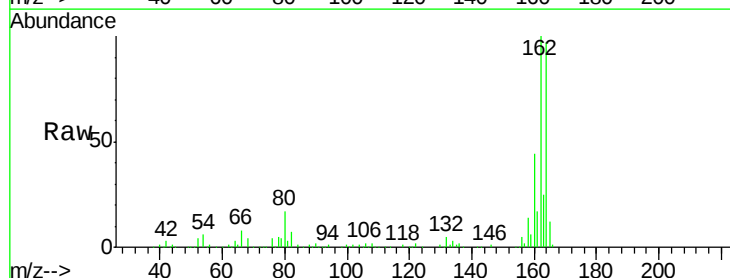
Instrument :
 BNA_G
 ClientSampleId :

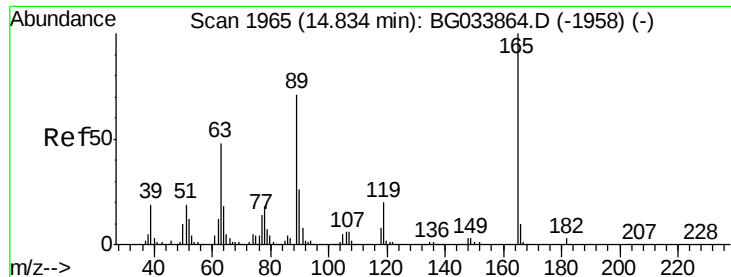
Tot Ion:172 Resp: 1294665
 Ion Ratio Lower Upper
 172 100
 171 37.9 30.0 45.0
 170 25.3 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 7.655 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. 0.41 min
 Lab File: BG034011.D
 Acq: 26 Apr 2018 7:17

Tgt Ion:165 Resp: 24710
 Ion Ratio Lower Upper
 165 100
 63 1.1 52.7 79.1#
 89 2.2 49.2 73.8#

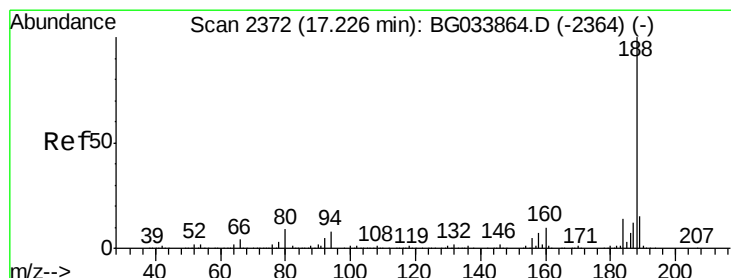
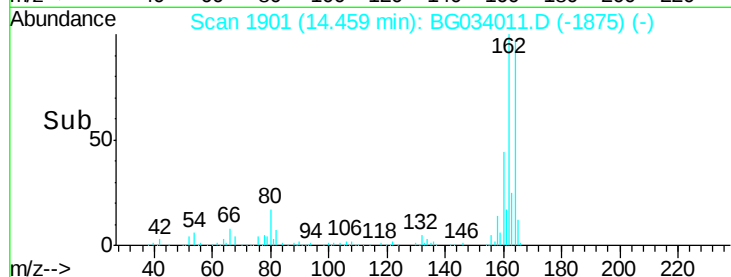
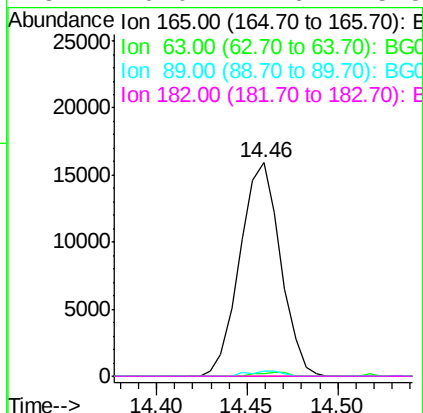
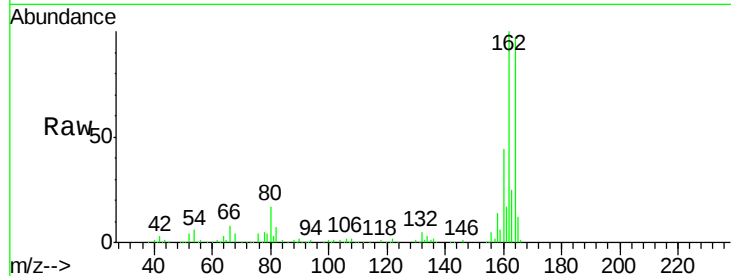




#56
 2,4-Dinitrotoluene
 Concen: 5.757 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG034011.D
 Acq: 26 Apr 2018 7:17

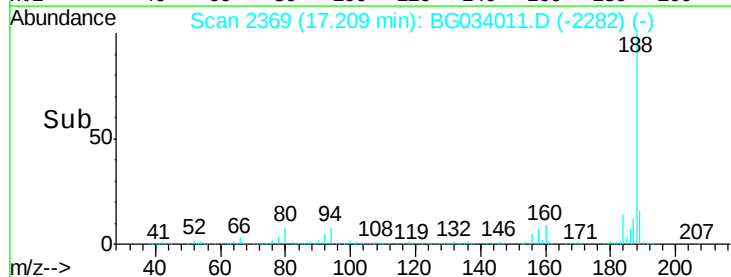
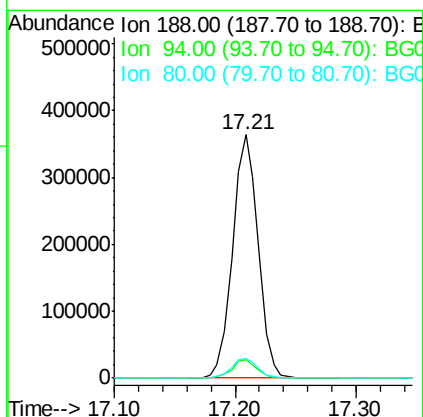
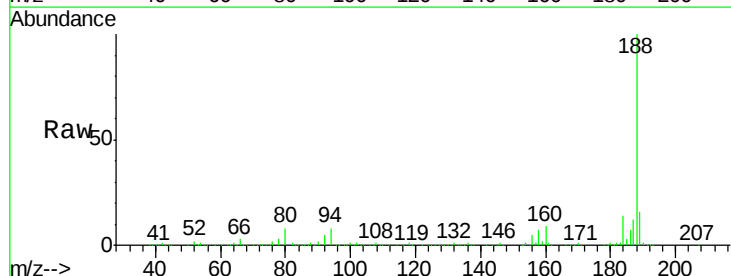
Instrument :
 BNA_G
 ClientSampleId :

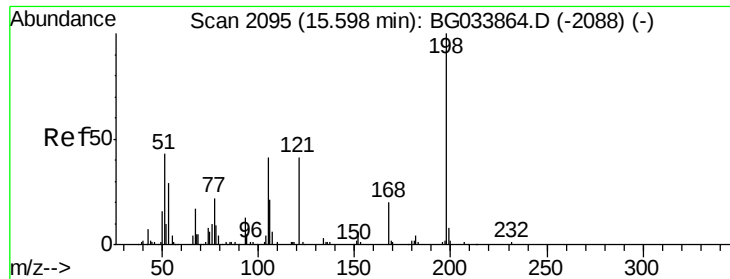
Tot Ion:165 Resp: 24710
 Ion Ratio Lower Upper
 165 100
 63 1.1 42.0 63.0#
 89 2.2 66.9 100.3#
 182 0.0 2.6 3.8#



#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2369
 Delta R.T. -0.02 min
 Lab File: BG034011.D
 Acq: 26 Apr 2018 7:17

Tgt Ion:188 Resp: 532701
 Ion Ratio Lower Upper
 188 100
 94 7.5 6.9 10.3
 80 8.1 7.7 11.5

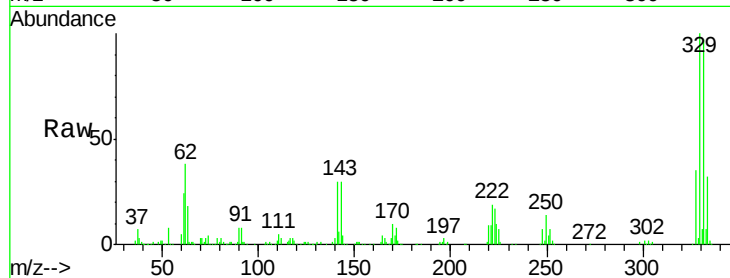




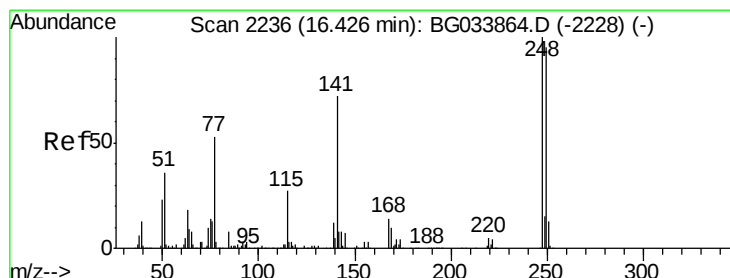
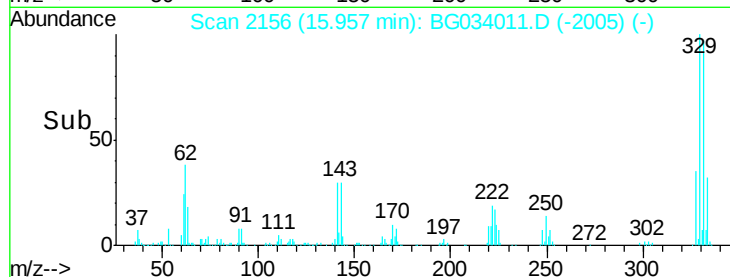
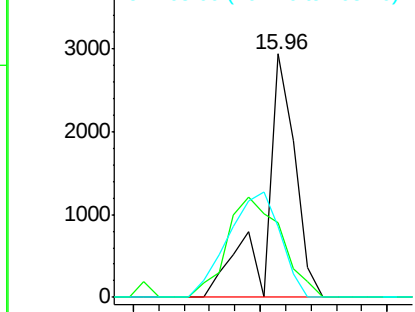
#64
 4,6-Dinitro-2-methylphenol
 Concen: 7.295 ng
 RT: 15.96 min Scan# 2156
 Delta R.T. 0.36 min
 Lab File: BG034011.D
 Acq: 26 Apr 2018 7:17

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ion	Ratio	Resp	Lower	Upper
198	100		2391		
51	30.5	30.6		70.6#	
105	28.9	23.8		63.8	

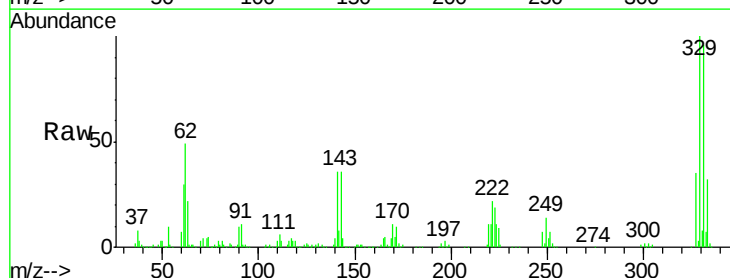


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BGC
 Ion 105.00 (104.70 to 105.70): E

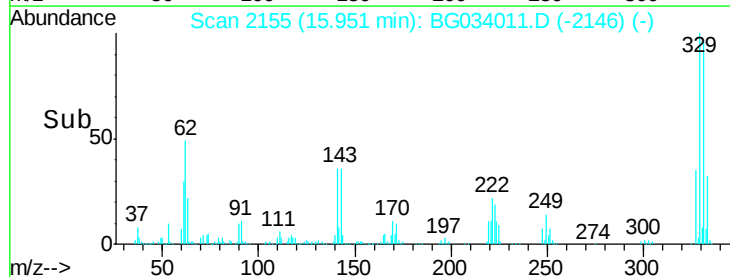
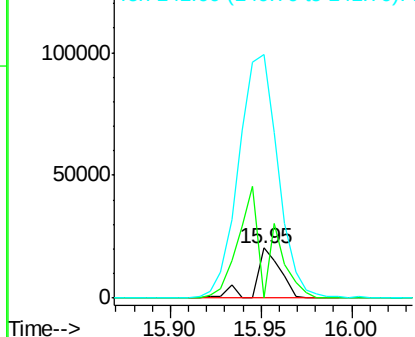


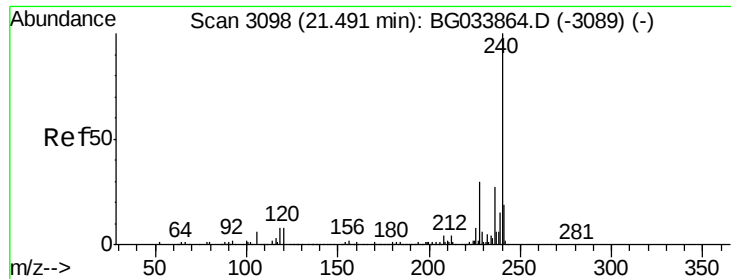
#66
 4-Bromophenyl-phenylether
 Concen: 3.179 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG034011.D
 Acq: 26 Apr 2018 7:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
248	100		18600		
250	44.9	77.1		115.7#	
141	368.6	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: 21.46 min Scan# 3093

Delta R.T. -0.03 min

Lab File: BG034011.D

Acq: 26 Apr 2018 7:17

Instrument :

BNA_G

ClientSampleId :

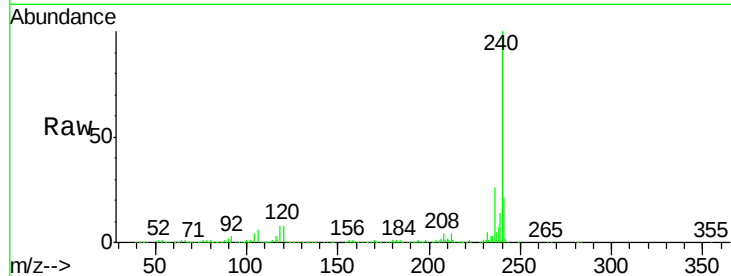
Tot Ion:240 Resp: 592070

Ion Ratio Lower Upper

240 100

120 8.1 6.8 10.2

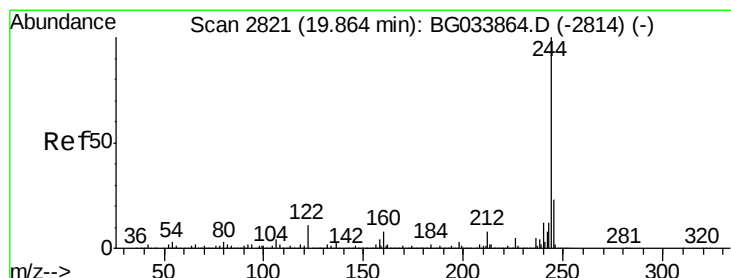
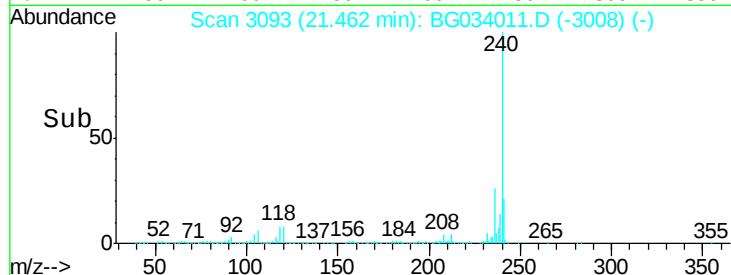
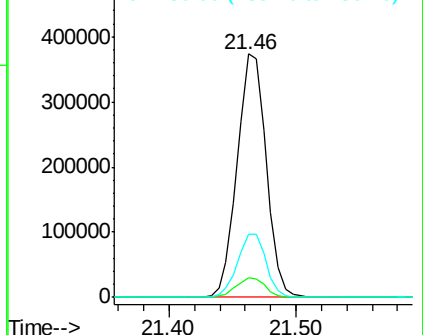
236 26.1 20.9 31.3



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: 94.183 ng

RT: 19.85 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG034011.D

Acq: 26 Apr 2018 7:17

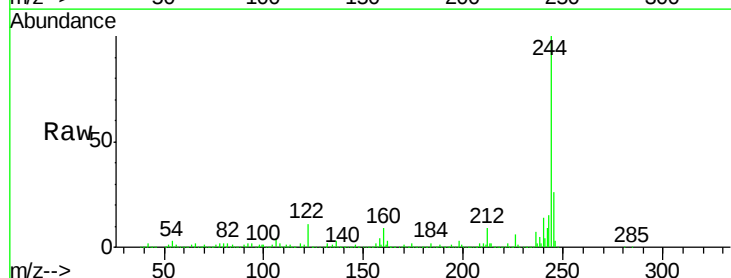
Tgt Ion:244 Resp: 2482079

Ion Ratio Lower Upper

244 100

212 9.3 5.8 8.8#

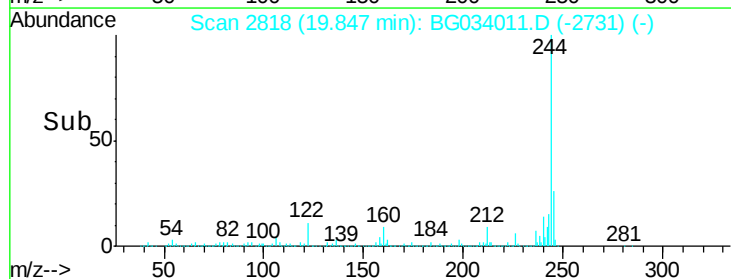
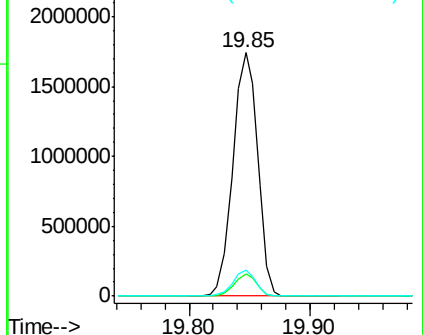
122 10.7 7.0 10.4#

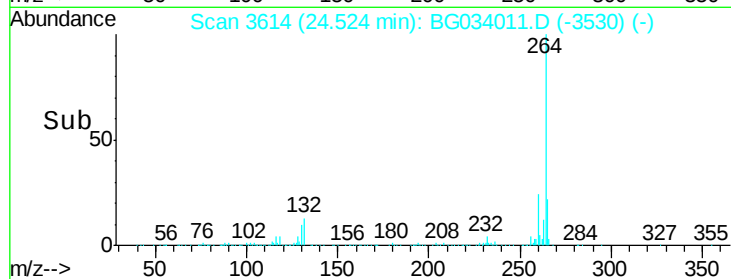
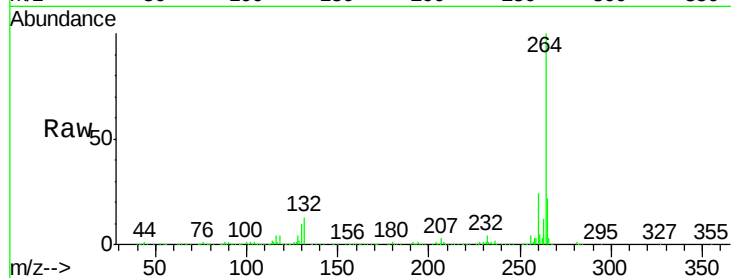
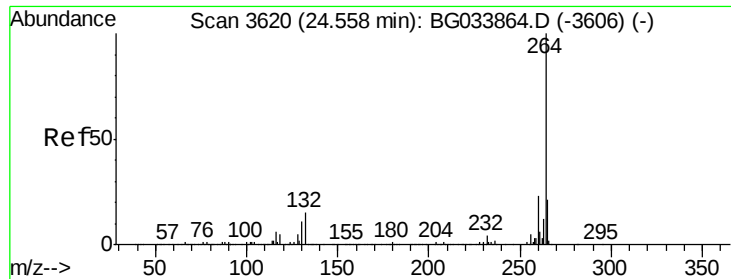


Abundance Ion 244.00 (243.70 to 244.70): E

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: 24.52 min Scan# 3614
Delta R.T. -0.03 min
Lab File: BG034011.D
Acq: 26 Apr 2018 7:17

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	17.4	26.0
265	22.4	17.7	26.5

