

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033921.D
 Acq On : 23 Apr 2018 15:16
 Operator : SJ/JU
 Sample : J2492-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 03:18:54 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

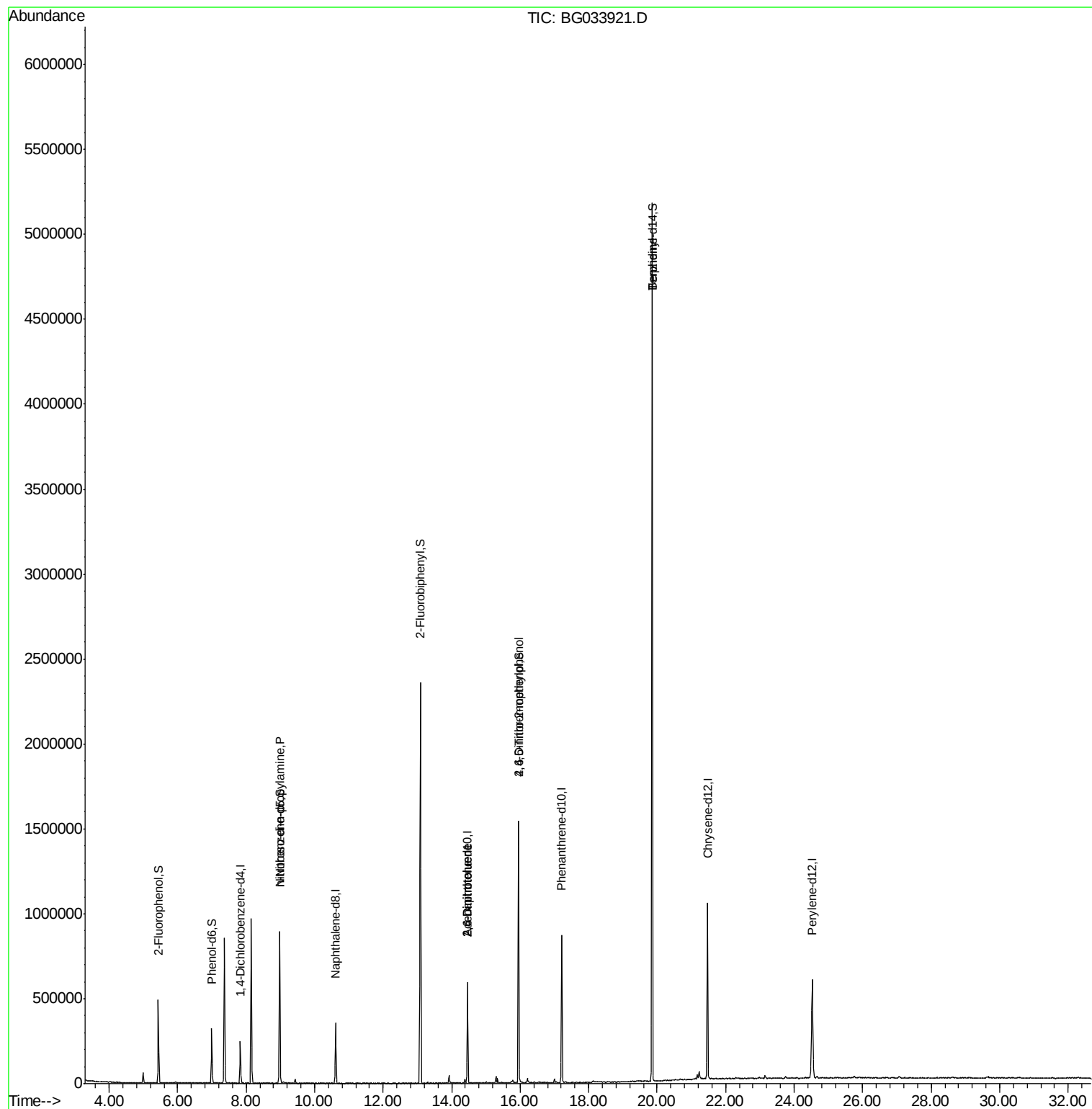
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	69399	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	300466	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	202701	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	555251	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	576319	20.00	ng	-0.02
86) Perylene-d12	24.53	264	584705	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	209831	48.27	ng	0.00
7) Phenol-d6	6.99	99	179327	28.28	ng	0.00
23) Nitrobenzene-d5	8.98	82	529105	100.21	ng	0.00
41) 2,4,6-Tribromophenol	15.95	330	278531	117.78	ng	-0.02
44) 2-Fluorobiphenyl	13.09	172	1234448	89.46	ng	-0.02
78) Terphenyl-d14	19.85	244	2308171	89.98	ng	0.00
Target Compounds						
9) Benzaldehyde	6.99	77	500	Below Cal		Qvalue # 27
19) n-Nitroso-di-n-propylamine	8.98	70	74020	13.696	ng	# 79
50) 2,6-Dinitrotoluene	14.46	165	26641	7.884	ng	# 21
56) 2,4-Dinitrotoluene	14.46	165	26641	5.929	ng	# 19
64) 4,6-Dinitro-2-methylphenol	15.96	198	2071	7.159	ng	# 69
76) Benzidine	19.85	184	39351	2.529	ng	# 92

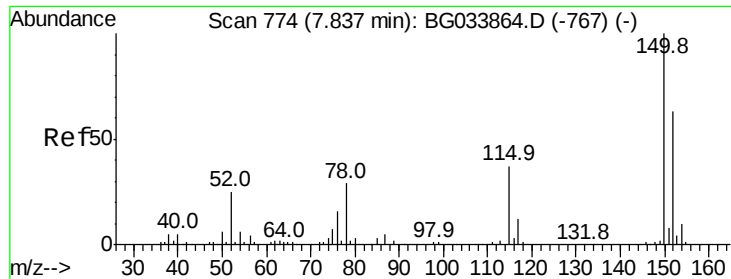
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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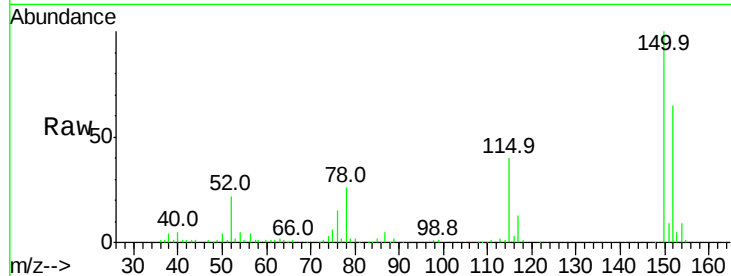


#1

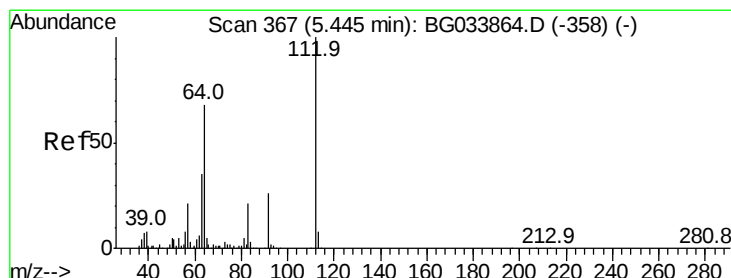
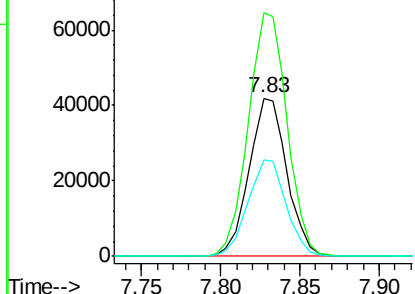
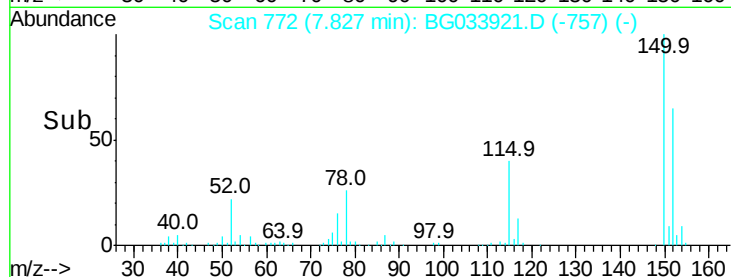
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 772
Delta R.T. -0.01 min
Lab File: BG033921.D
Acq: 23 Apr 2018 15:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 69399
Ion Ratio Lower Upper
152 100
150 154.2 126.6 189.8
115 61.4 53.0 79.4



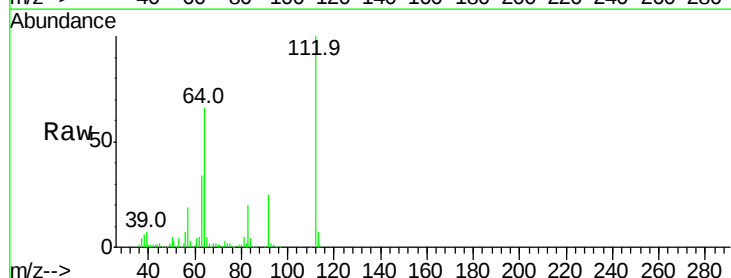
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



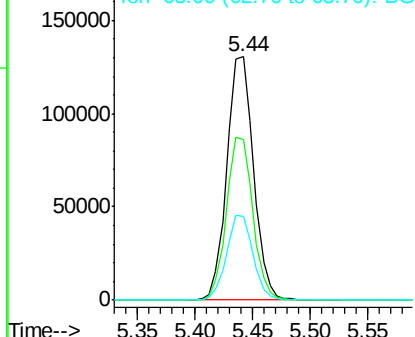
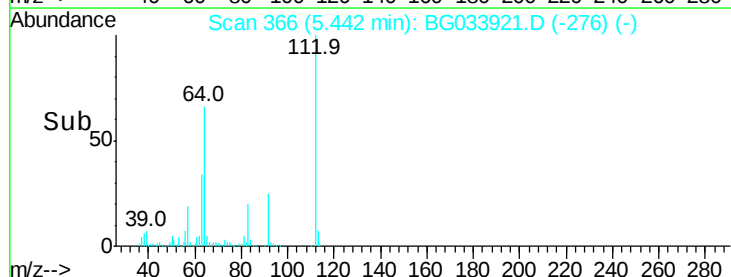
#5

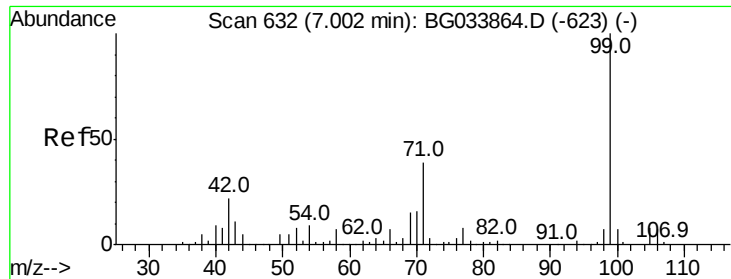
2-Fluorophenol
Concen: 48.272 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.00 min
Lab File: BG033921.D
Acq: 23 Apr 2018 15:16

Tgt Ion:112 Resp: 209831
Ion Ratio Lower Upper
112 100
64 65.9 56.3 84.5
63 34.2 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: 28.284 ng

RT: 6.99 min Scan# 630

Delta R.T. -0.01 min

Lab File: BG033921.D

Acq: 23 Apr 2018 15:16

Instrument :

BNA_G

ClientSampled :

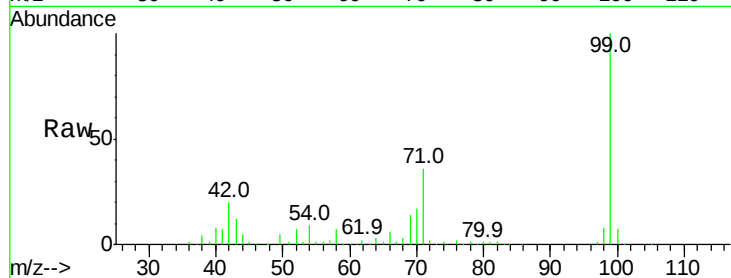
Tot Ion: 99 Resp: 179327

Ion Ratio Lower Upper

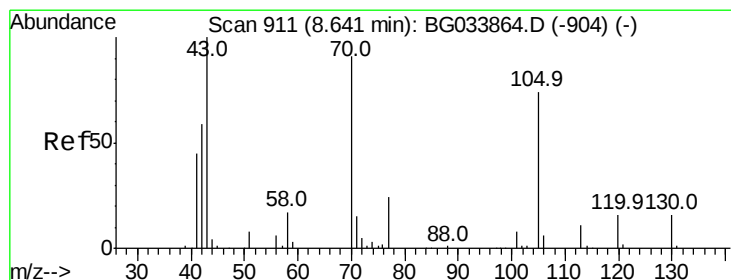
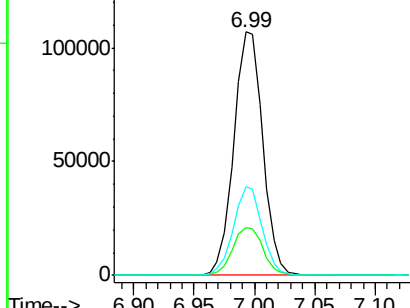
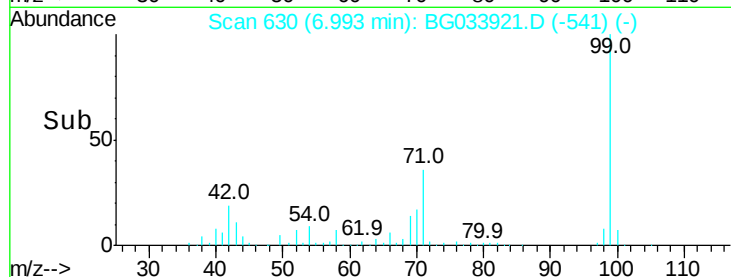
99 100

42 19.6 14.1 21.1

71 36.2 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



#19

n-Nitroso-di-n-propylamine

Concen: 13.696 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.34 min

Lab File: BG033921.D

Acq: 23 Apr 2018 15:16

Tgt Ion: 70 Resp: 74020

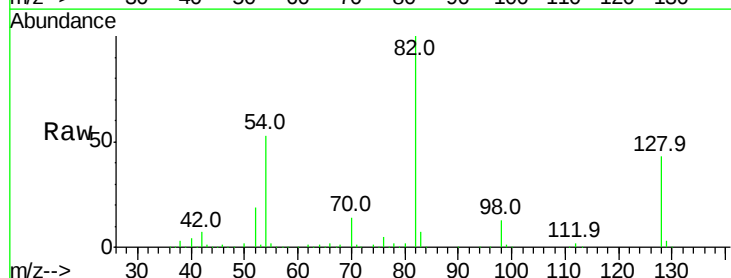
Ion Ratio Lower Upper

70 100

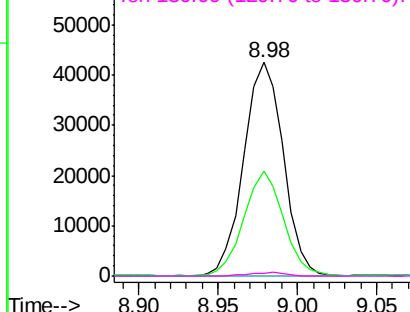
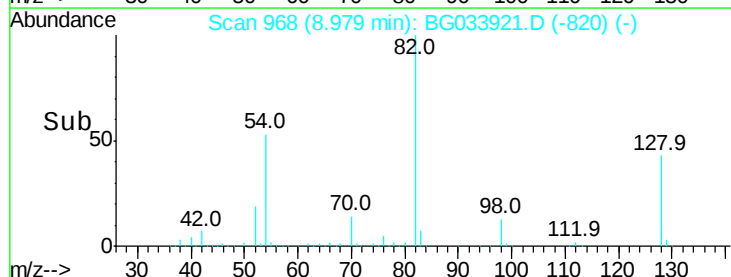
42 49.2 49.1 73.7

101 0.0 8.5 12.7#

130 1.3 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

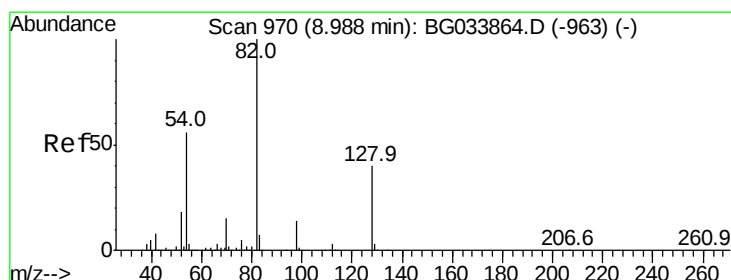
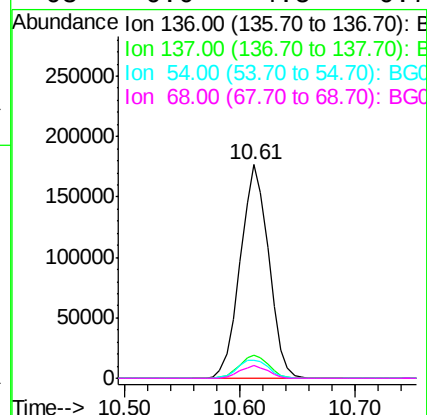
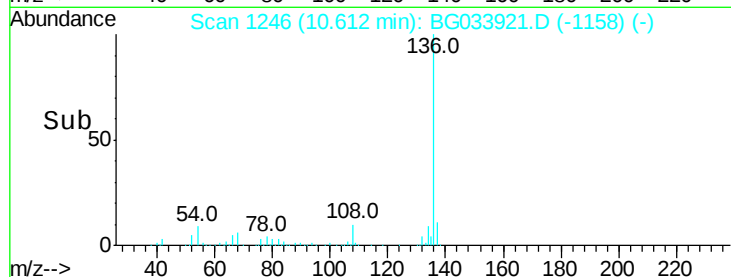
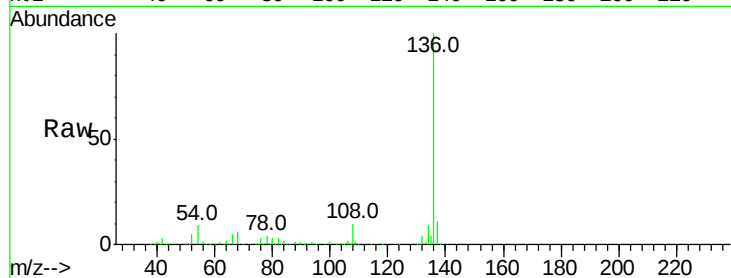




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033921.D
Acq: 23 Apr 2018 15:16

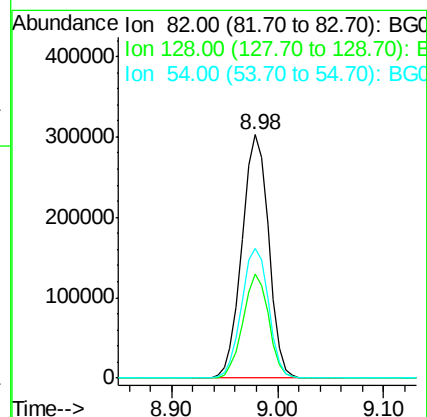
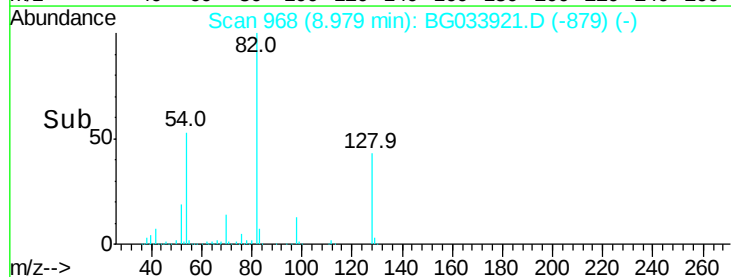
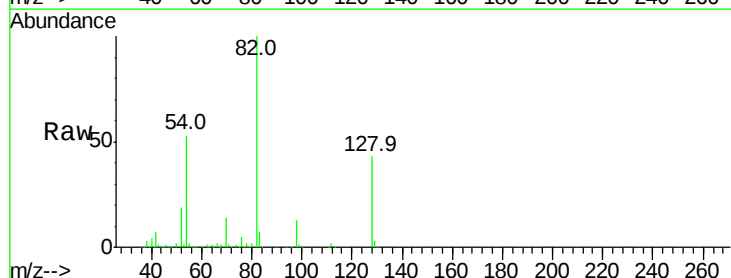
Instrument :
BNA_G
ClientSampleId :

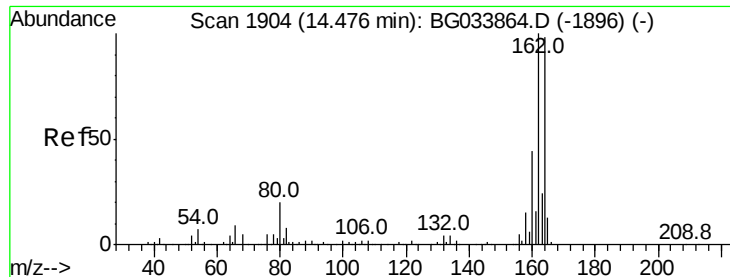
Tot Ion:136	Resp:	300466
Ion Ratio	Lower	Upper
136	100	
137	11.1	9.2 13.8
54	8.5	10.3 15.5#
68	6.0	4.5 6.7



#23
Nitrobenzene-d5
Concen: 100.215 ng
RT: 8.98 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033921.D
Acq: 23 Apr 2018 15:16

Tgt Ion: 82	Resp:	529105
Ion Ratio	Lower	Upper
82	100	
128	42.6	29.7 44.5
54	53.1	43.1 64.7

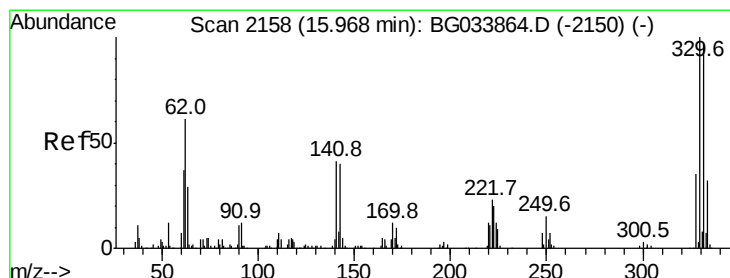
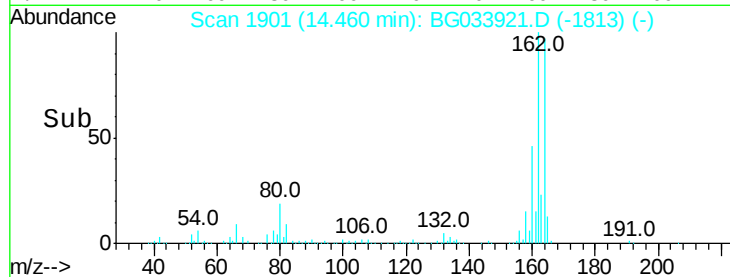
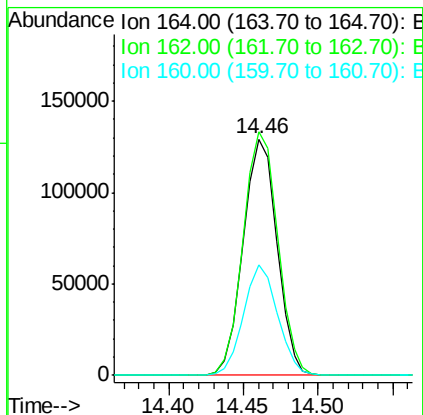
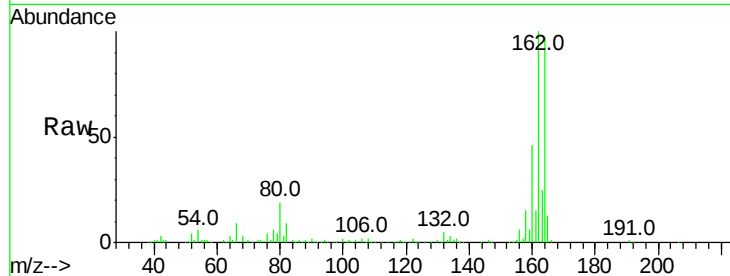




#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.02 min
 Lab File: BG033921.D
 Acq: 23 Apr 2018 15:16

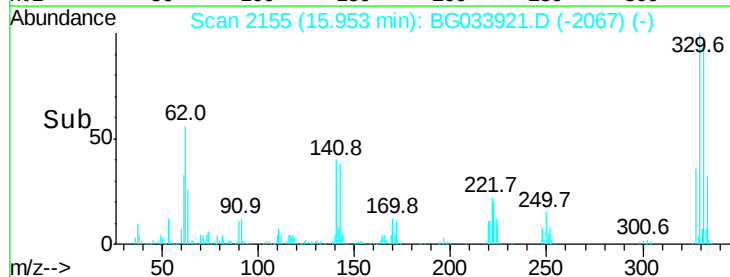
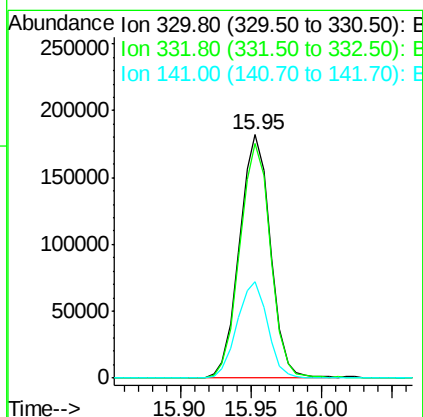
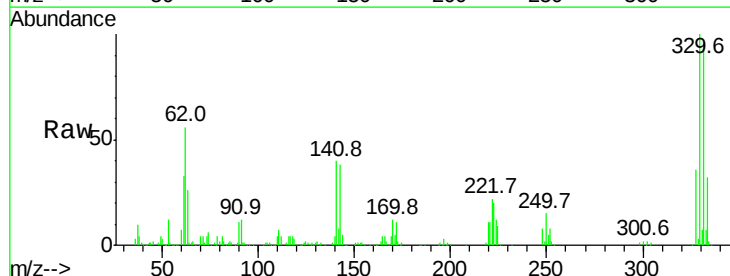
Instrument :
 BNA_G
 ClientSampleId :

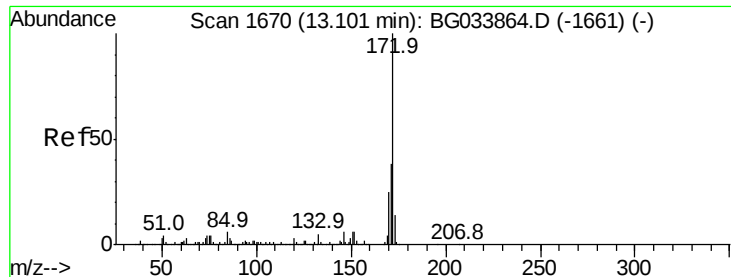
Tot Ion:164 Resp: 202701
 Ion Ratio Lower Upper
 164 100
 162 103.0 78.8 118.2
 160 47.0 35.4 53.0



#41
 2,4,6-Tribromophenol
 Concen: 117.780 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033921.D
 Acq: 23 Apr 2018 15:16

Tgt Ion:330 Resp: 278531
 Ion Ratio Lower Upper
 330 100
 332 95.6 77.0 115.6
 141 39.4 25.2 37.8#

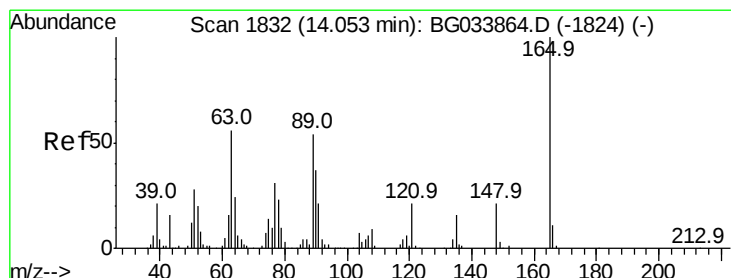
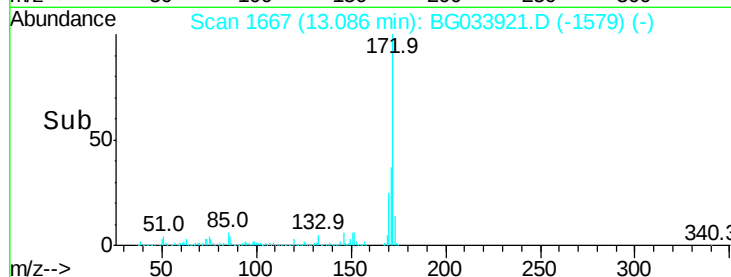
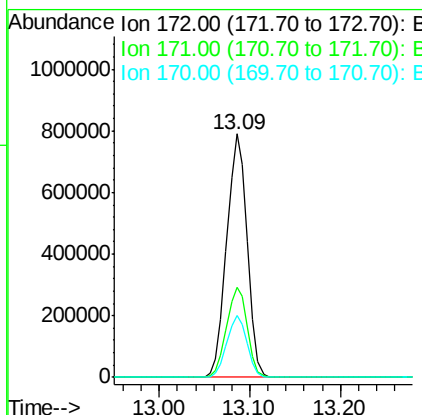
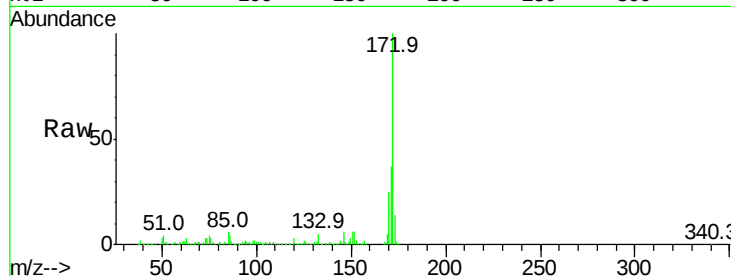




#44
2-Fluorobiphenyl
Concen: 89.463 ng
RT: 13.09 min Scan# 1667
Delta R.T. -0.02 min
Lab File: BG033921.D
Acq: 23 Apr 2018 15:16

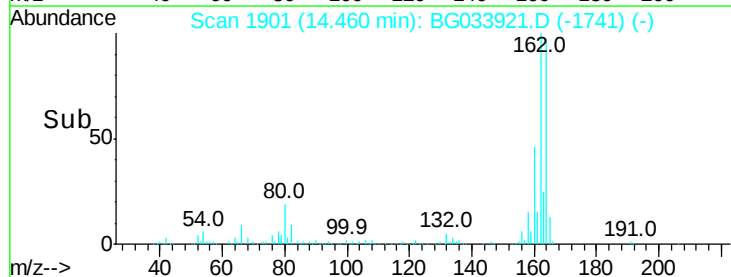
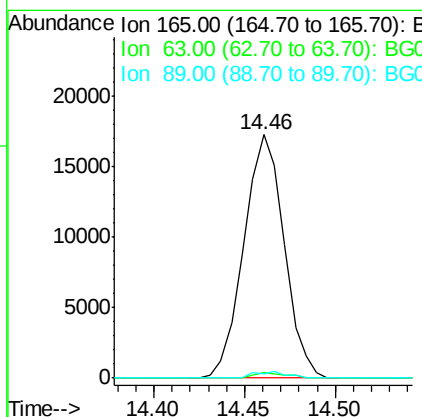
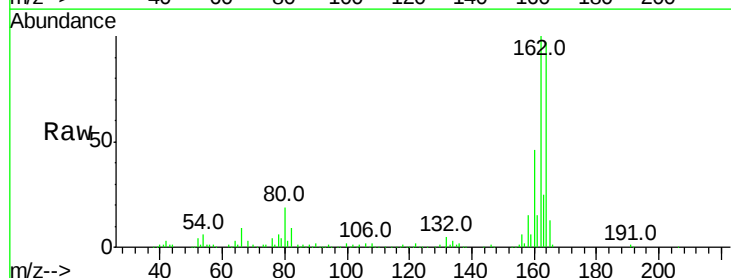
Instrument :
BNA_G
ClientSampleId :

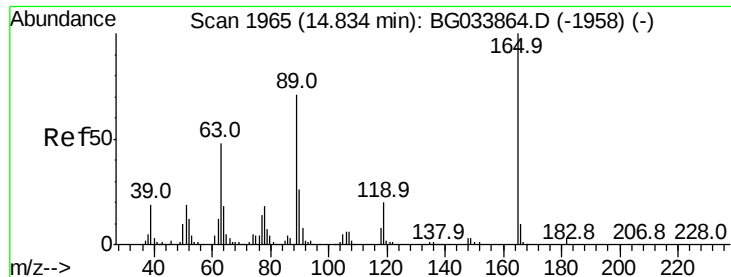
Tot Ion:172 Resp: 1234448
Ion Ratio Lower Upper
172 100
171 37.1 30.0 45.0
170 25.2 19.5 29.3



#50
2,6-Dinitrotoluene
Concen: 7.884 ng
RT: 14.46 min Scan# 1901
Delta R.T. 0.41 min
Lab File: BG033921.D
Acq: 23 Apr 2018 15:16

Tgt Ion:165 Resp: 26641
Ion Ratio Lower Upper
165 100
63 2.2 52.7 79.1#
89 1.9 49.2 73.8#





#56

2,4-Dinitrotoluene

Concen: 5.929 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.37 min

Lab File: BG033921.D

Acq: 23 Apr 2018 15:16

Instrument :

BNA_G

ClientSampled :

Tot Ion:165 Resp: 26641

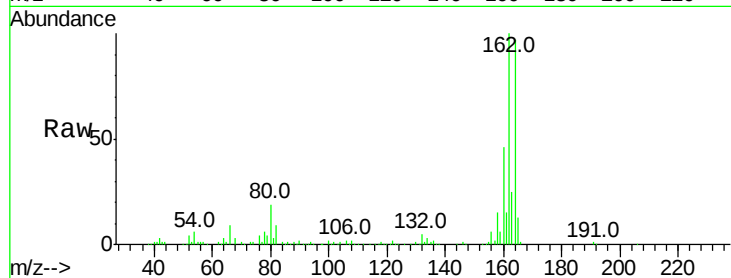
Ion Ratio Lower Upper

165 100

63 2.2 42.0 63.0#

89 1.9 66.9 100.3#

182 0.0 2.6 3.8#

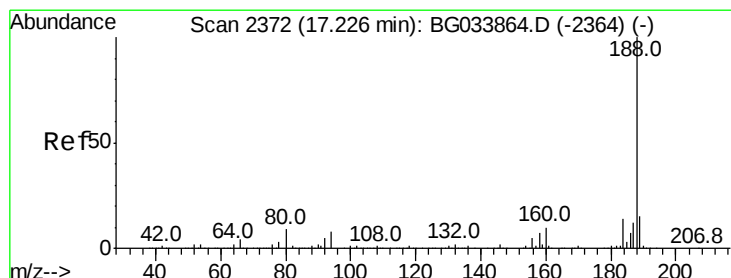
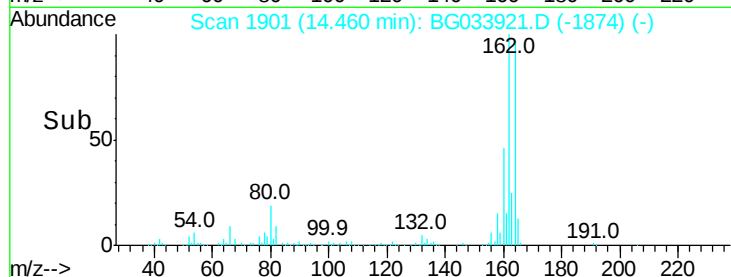
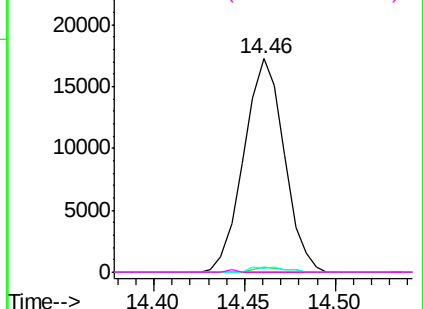


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.21 min Scan# 2369

Delta R.T. -0.02 min

Lab File: BG033921.D

Acq: 23 Apr 2018 15:16

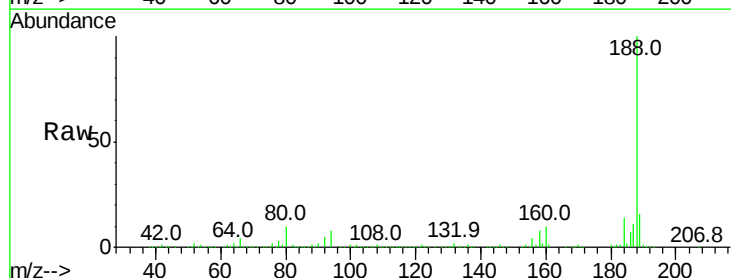
Tgt Ion:188 Resp: 555251

Ion Ratio Lower Upper

188 100

94 7.9 6.9 10.3

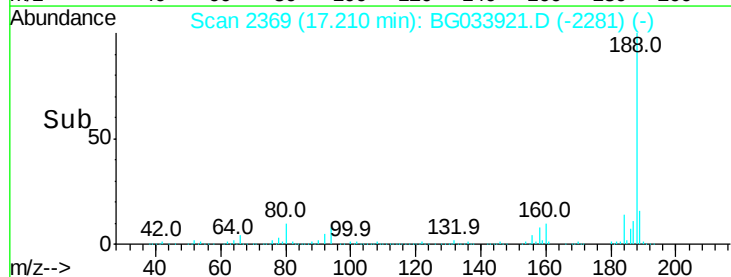
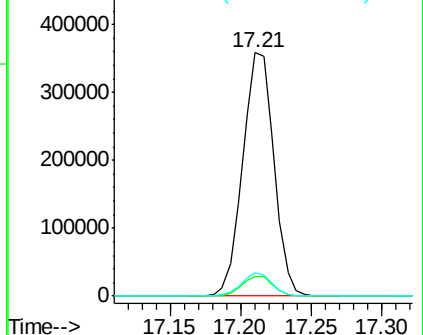
80 9.5 7.7 11.5

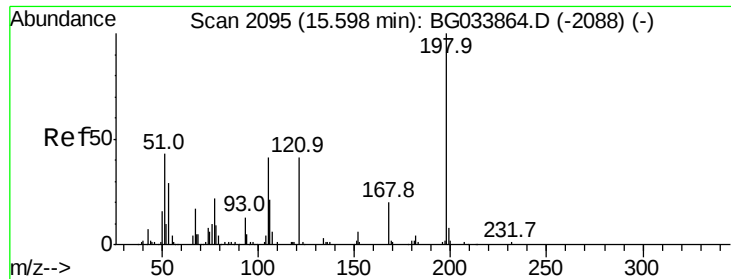


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

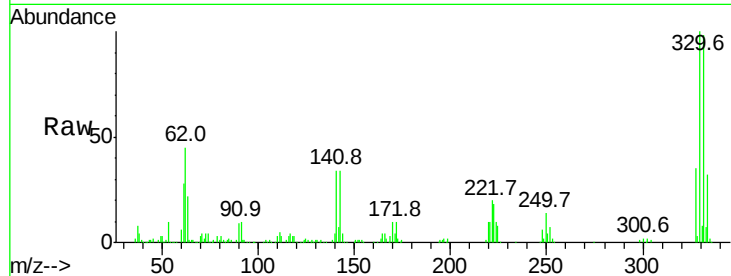




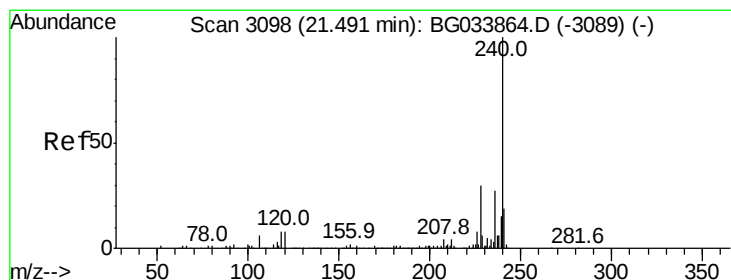
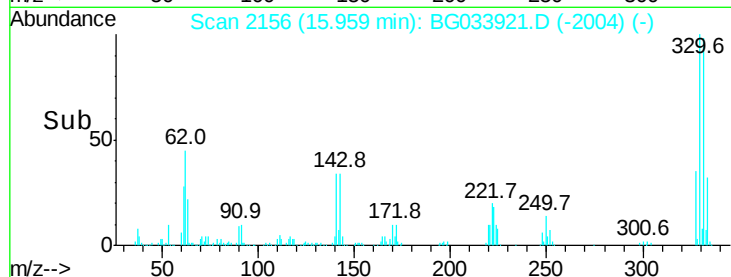
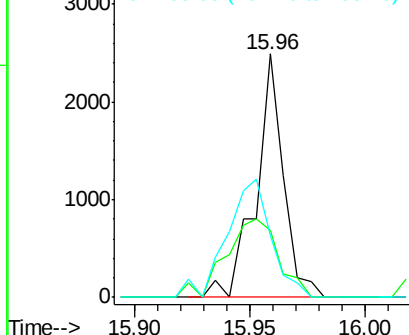
#64
4,6-Dinitro-2-methylphenol
Concen: 7.159 ng
RT: 15.96 min Scan# 2156
Delta R.T. 0.36 min
Lab File: BG033921.D
Acq: 23 Apr 2018 15:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 2071
Ion Ratio Lower Upper
198 100
51 27.6 30.6 70.6#
105 25.2 23.8 63.8

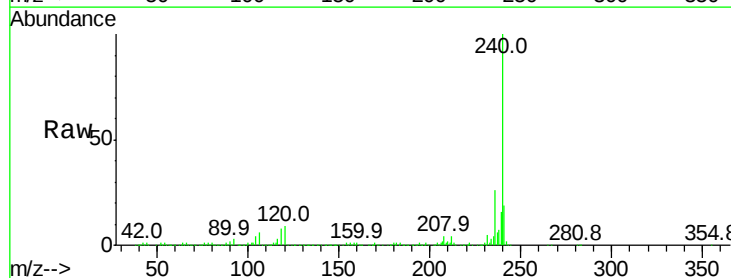


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BG
Ion 105.00 (104.70 to 105.70): E

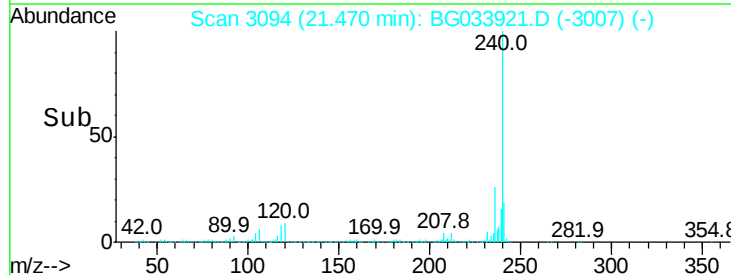
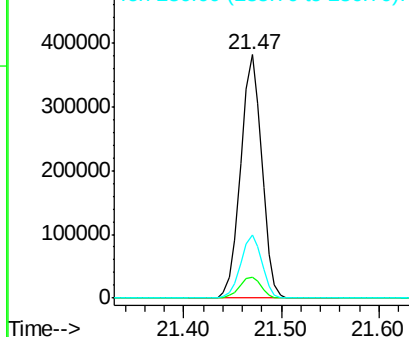


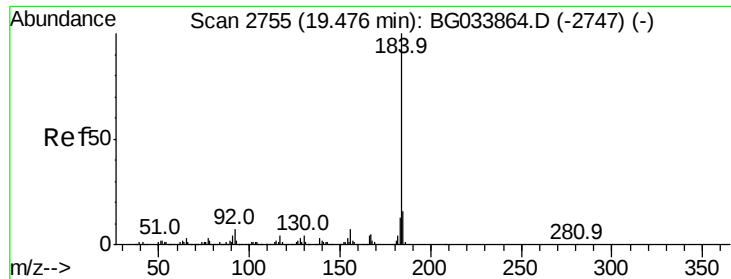
#75
Chrysene-d12
Concen: 20.000 ng
RT: 21.47 min Scan# 3094
Delta R.T. -0.02 min
Lab File: BG033921.D
Acq: 23 Apr 2018 15:16

Tgt Ion:240 Resp: 576319
Ion Ratio Lower Upper
240 100
120 8.6 6.8 10.2
236 25.7 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

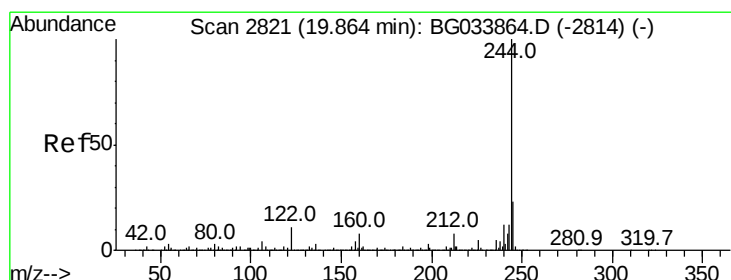
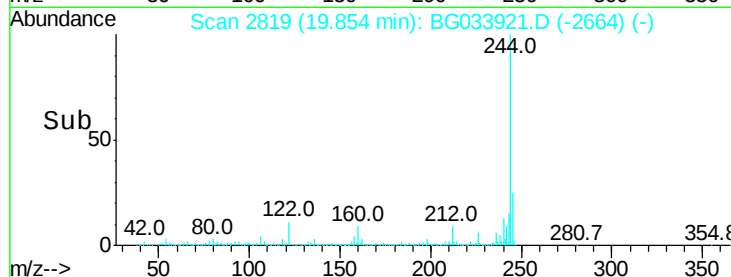
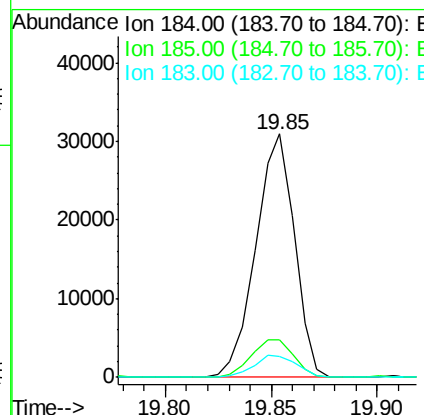
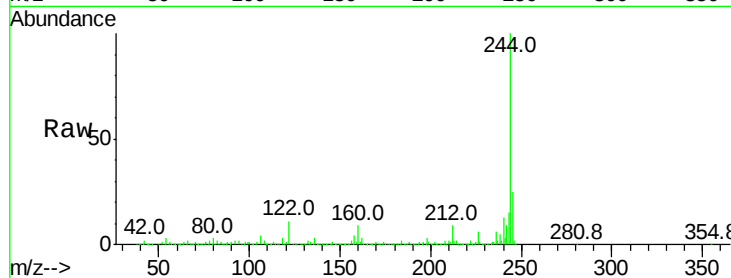




#76
Benzidine
Concen: 2.529 ng
RT: 19.85 min Scan# 2819
Delta R.T. 0.38 min
Lab File: BG033921.D
Acq: 23 Apr 2018 15:16

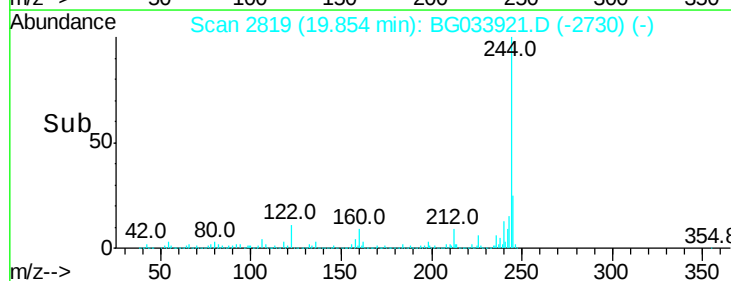
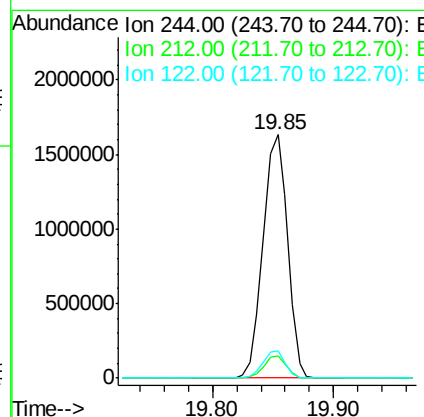
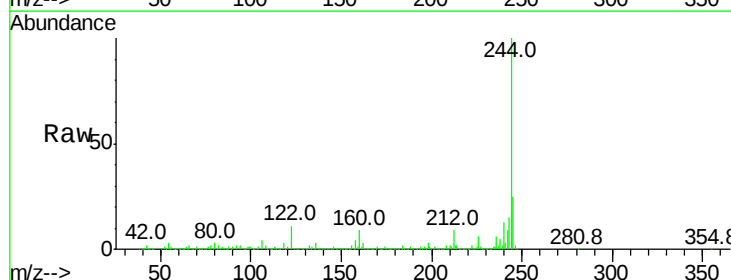
Instrument :
BNA_G
ClientSampleId :

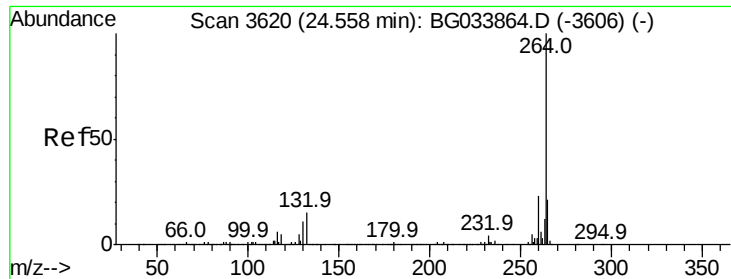
Tot Ion:184 Resp: 39351
Ion Ratio Lower Upper
184 100
185 15.4 11.1 16.7
183 8.5 10.6 16.0#



#78
Terphenyl-d14
Concen: 89.977 ng
RT: 19.85 min Scan# 2819
Delta R.T. -0.01 min
Lab File: BG033921.D
Acq: 23 Apr 2018 15:16

Tgt Ion:244 Resp: 2308171
Ion Ratio Lower Upper
244 100
212 9.3 5.8 8.8#
122 11.3 7.0 10.4#



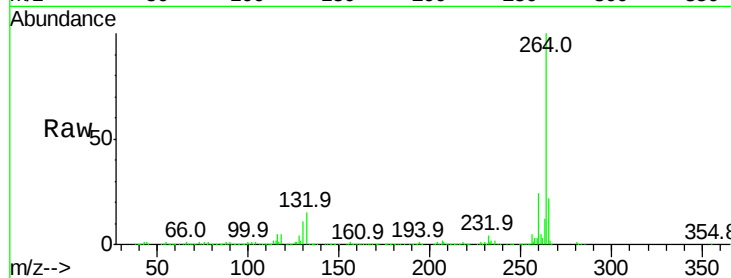


#86
Pervlene-d12
Concen: 20.000 ng
RT: 24.53 min Scan# 3614
Delta R.T. -0.03 min
Lab File: BG033921.D
Acq: 23 Apr 2018 15:16

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 584705

Ion	Ratio	Lower	Upper
264	100		
260	24.5	17.4	26.0
265	22.5	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

