

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042318\
 Data File : BG033931.D
 Acq On : 23 Apr 2018 21:38
 Operator : SJ/JU
 Sample : PB108464BL
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 24 03:23:41 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

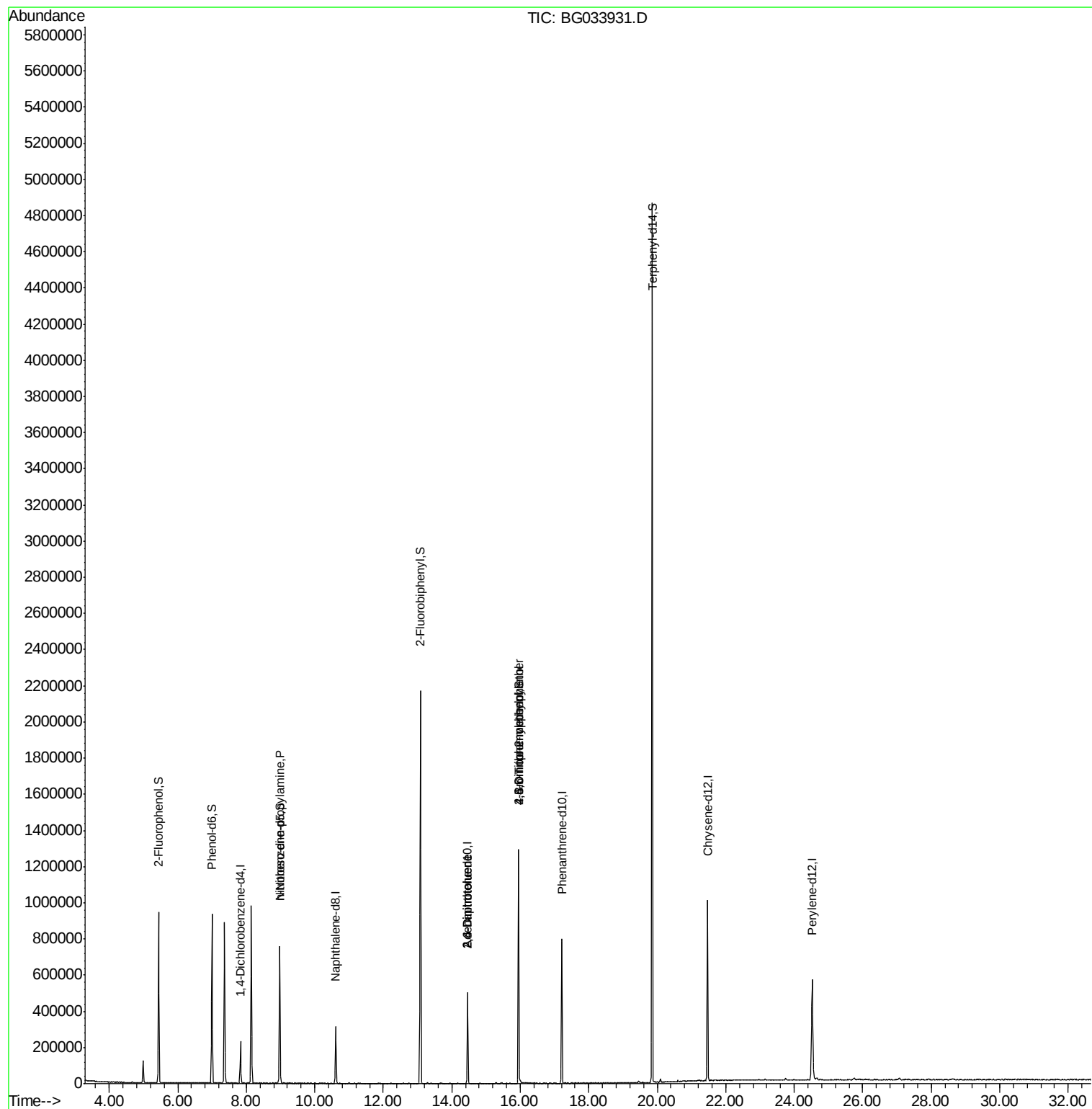
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	64160	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	267113	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	179513	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	504730	20.00	ng	-0.01
75) Chrysene-d12	21.47	240	564480	20.00	ng	-0.02
86) Perylene-d12	24.52	264	567161	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	392015	97.55	ng	0.00
7) Phenol-d6	7.00	99	514271	87.74	ng	0.00
23) Nitrobenzene-d5	8.98	82	454332	96.80	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	229494	109.58	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	1119432	91.61	ng	-0.02
78) Terphenyl-d14	19.85	244	2172545	86.47	ng	-0.01
Target Compounds						
9) Benzaldehyde	7.00	77	1170	Below Cal	#	5
19) n-Nitroso-di-n-propylamine	8.98	70	64234	12.856 ng	#	78
50) 2,6-Dinitrotoluene	14.46	165	24065	8.042 ng	#	19
56) 2,4-Dinitrotoluene	14.46	165	24065	6.047 ng	#	17
64) 4,6-Dinitro-2-methylphenol	15.96	198	808	6.777 ng	#	79
66) 4-Bromophenyl-phenylether	15.94	248	17000	3.067 ng	#	1

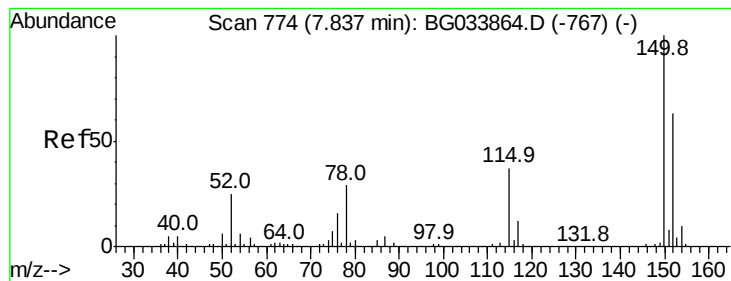
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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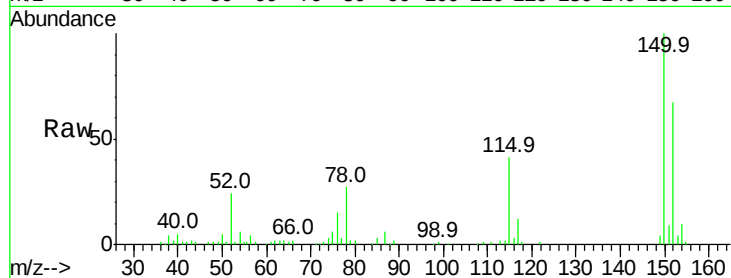


#1

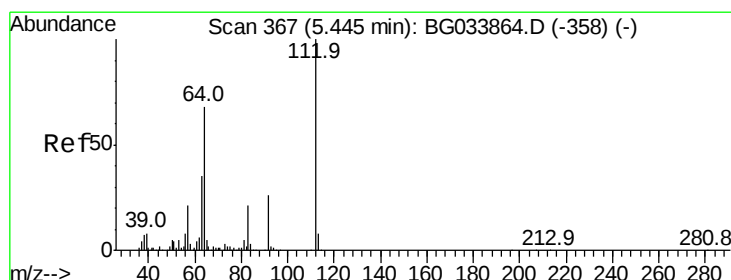
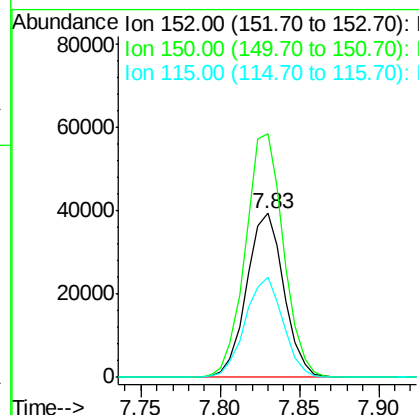
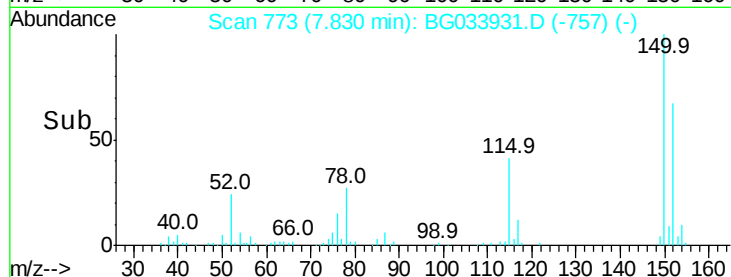
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.83 min Scan# 773
 Delta R.T. -0.01 min
 Lab File: BG033931.D
 Acq: 23 Apr 2018 21:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	148.7	126.6	189.8
115	61.2	53.0	79.4



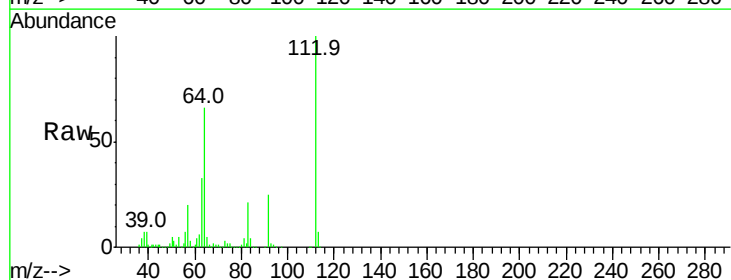
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



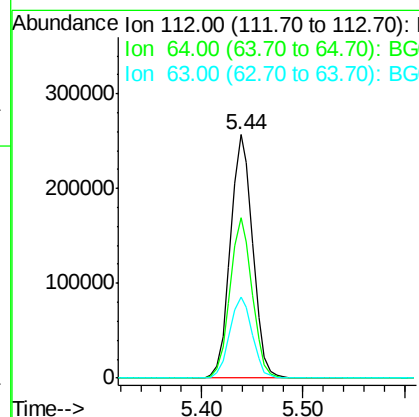
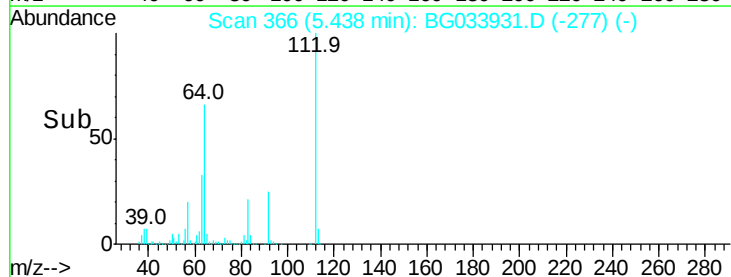
#5

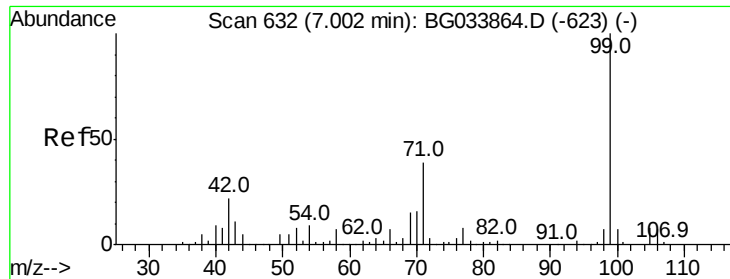
2-Fluorophenol
 Concen: 97.548 ng
 RT: 5.44 min Scan# 366
 Delta R.T. -0.01 min
 Lab File: BG033931.D
 Acq: 23 Apr 2018 21:38

Tgt Ion	Ratio	Lower	Upper
112	100		
64	65.8	56.3	84.5
63	33.2	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: 87.737 ng

RT: 7.00 min Scan# 631

Delta R.T. -0.01 min

Lab File: BG033931.D

Acq: 23 Apr 2018 21:38

Instrument :

BNA_G

ClientSampleId :

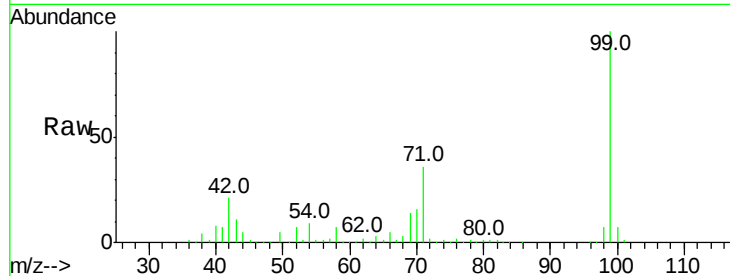
Tot Ion: 99 Resp: 514271

Ion Ratio Lower Upper

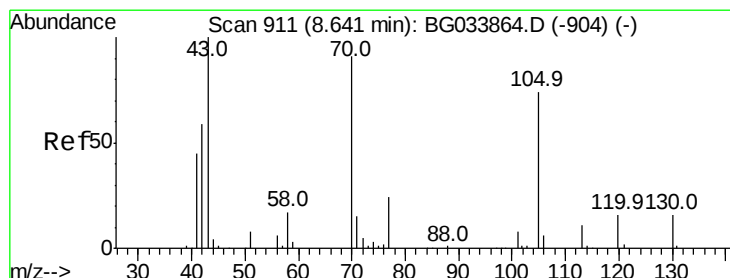
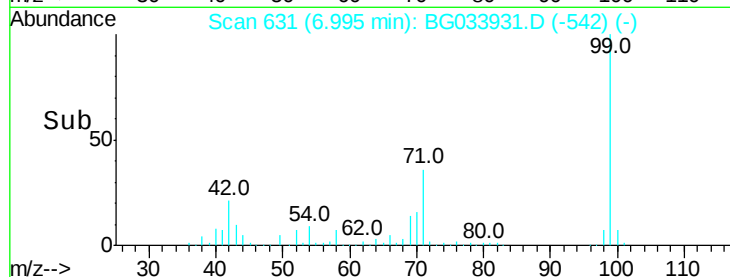
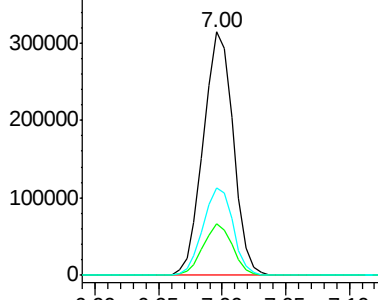
99 100

42 21.2 14.1 21.1#

71 36.0 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: 12.856 ng

RT: 8.98 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033931.D

Acq: 23 Apr 2018 21:38

Tgt Ion: 70 Resp: 64234

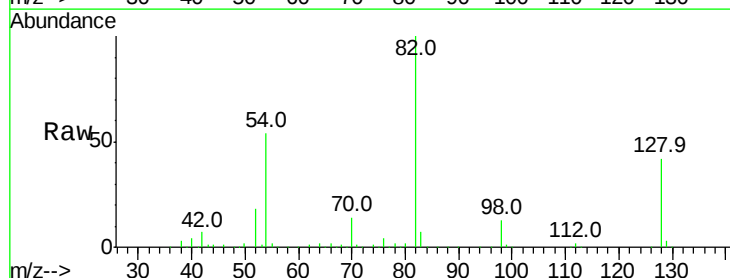
Ion Ratio Lower Upper

70 100

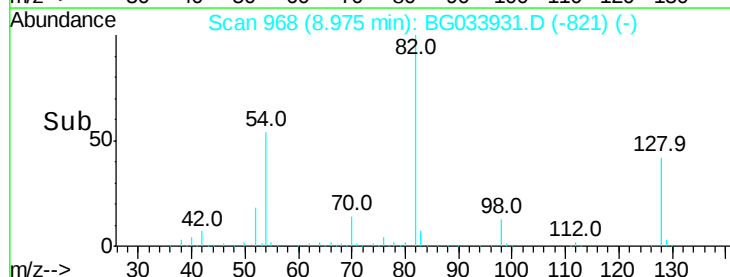
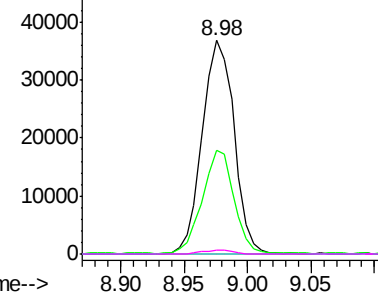
42 48.5 49.1 73.7#

101 0.0 8.5 12.7#

130 1.6 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

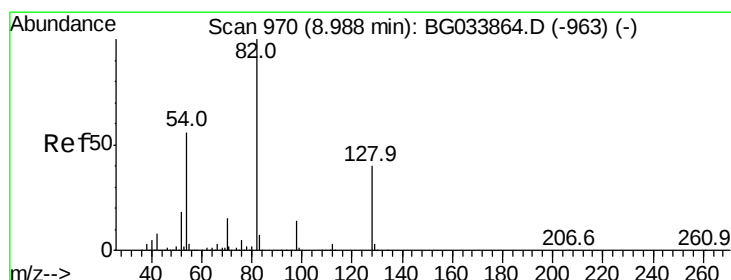
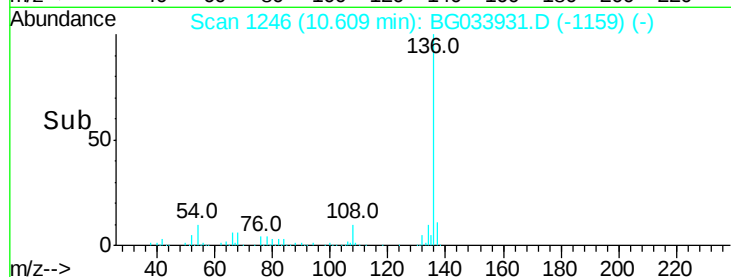
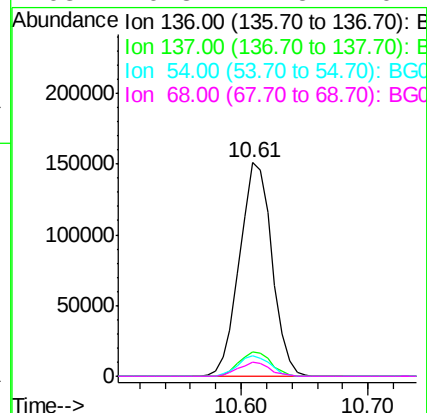
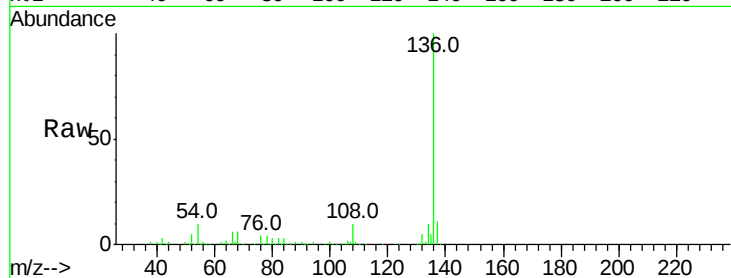




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033931.D
Acq: 23 Apr 2018 21:38

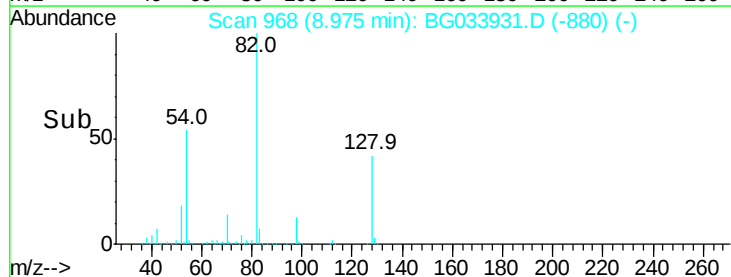
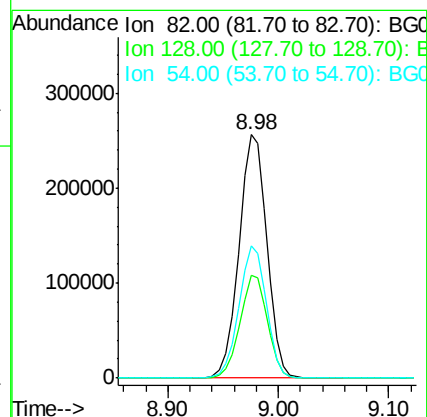
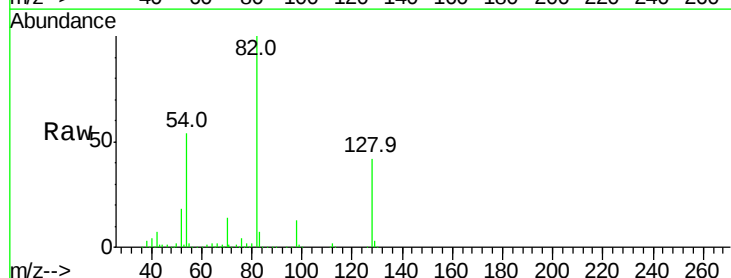
Instrument :
BNA_G
ClientSampleId :

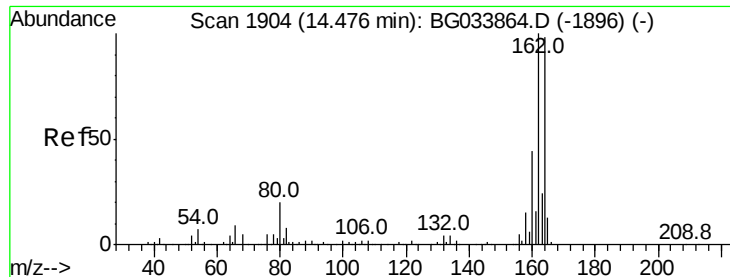
Tot Ion:136	Resp:	267113
Ion Ratio	Lower	Upper
136	100	
137	11.4	9.2 13.8
54	9.5	10.3 15.5
68	6.3	4.5 6.7



#23
Nitrobenzene-d5
Concen: 96.797 ng
RT: 8.98 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033931.D
Acq: 23 Apr 2018 21:38

Tgt Ion: 82	Resp:	454332
Ion Ratio	Lower	Upper
82	100	
128	42.0	29.7 44.5
54	54.3	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: BG033931.D

Acq: 23 Apr 2018 21:38

Instrument :

BNA_G

ClientSampleId :

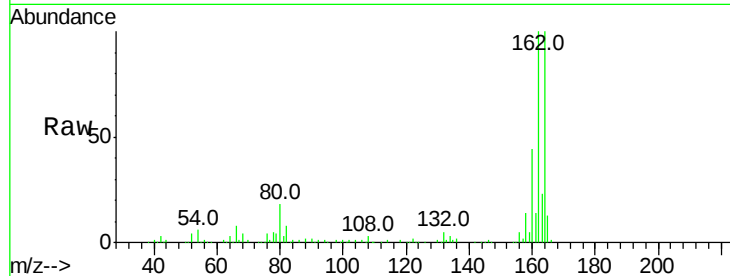
Tot Ion:164 Resp: 179513

Ion Ratio Lower Upper

164 100

162 99.7 78.8 118.2

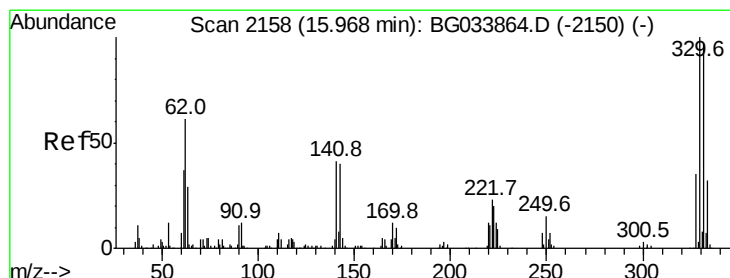
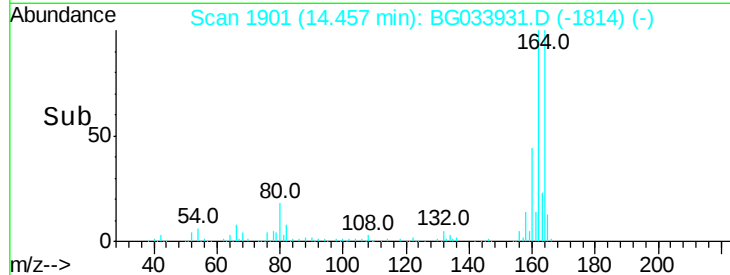
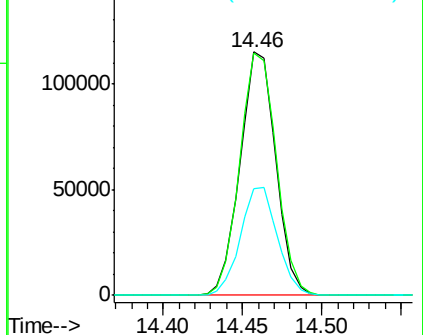
160 43.7 35.4 53.0



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: 109.580 ng

RT: 15.95 min Scan# 2155

Delta R.T. -0.02 min

Lab File: BG033931.D

Acq: 23 Apr 2018 21:38

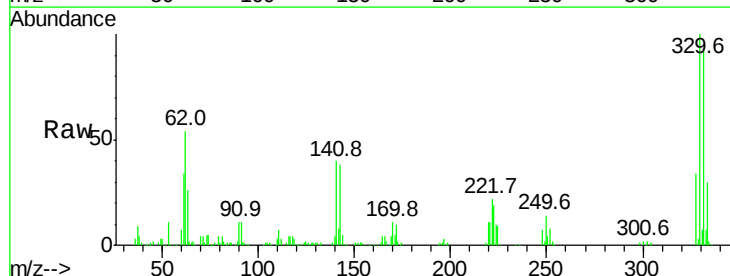
Tgt Ion:330 Resp: 229494

Ion Ratio Lower Upper

330 100

332 95.1 77.0 115.6

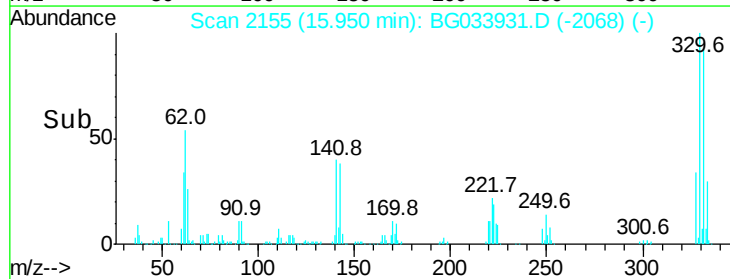
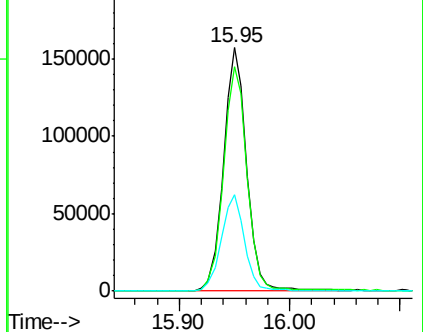
141 40.0 25.2 37.8#

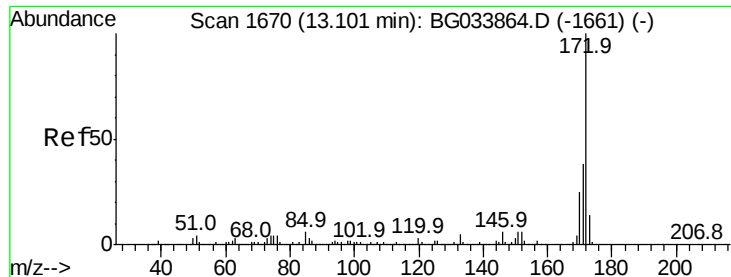


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

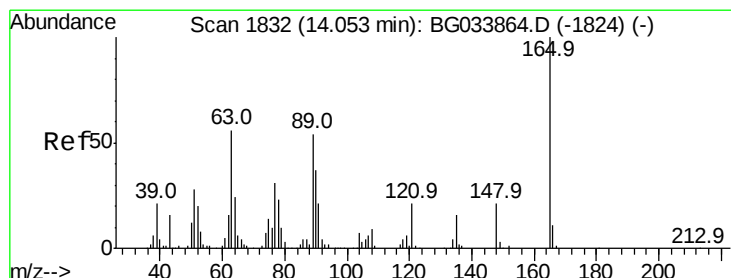
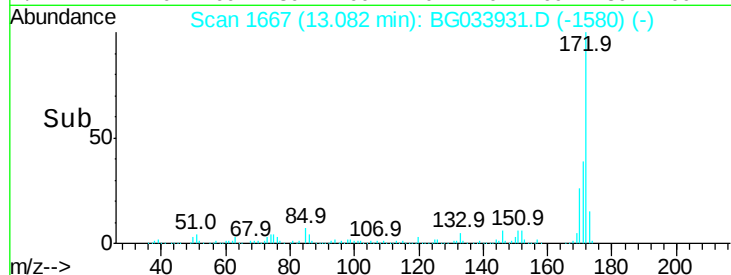
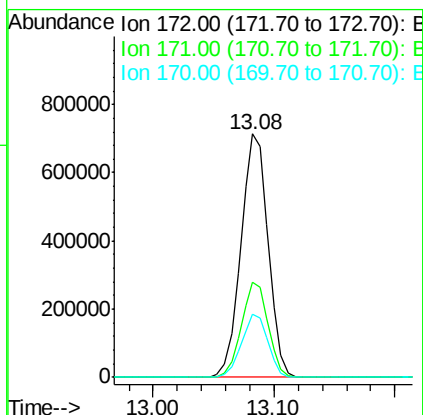
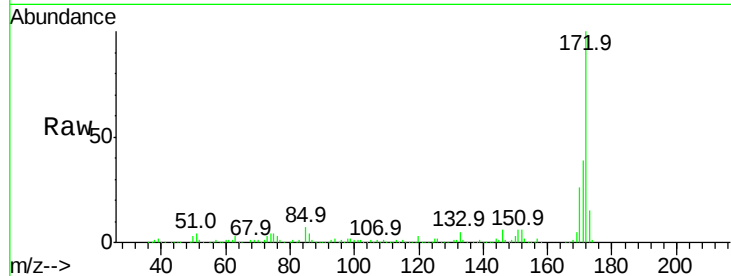




#44
 2-Fluorobiphenyl
 Concen: 91.607 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033931.D
 Acq: 23 Apr 2018 21:38

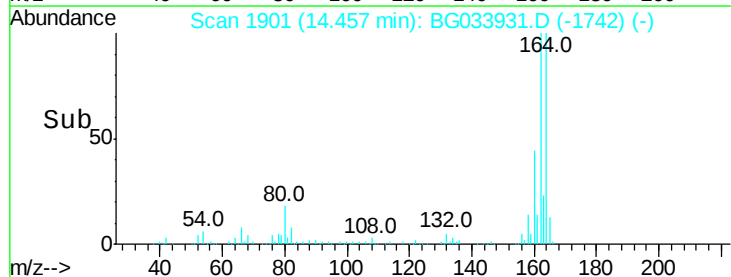
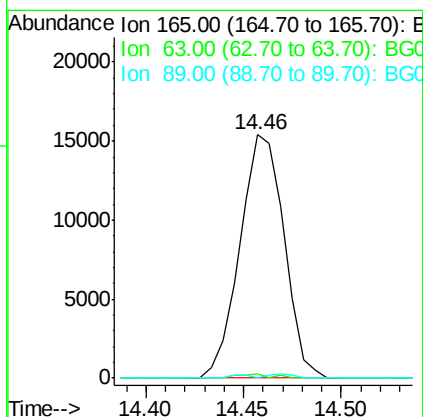
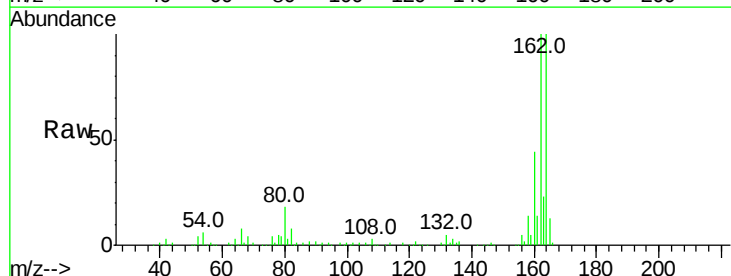
Instrument :
 BNA_G
 ClientSampled :

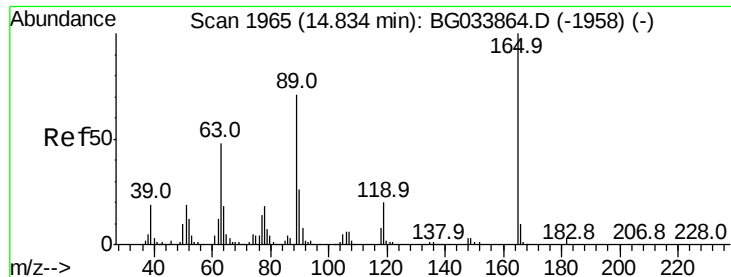
Tot Ion:172 Resp: 1119432
 Ion Ratio Lower Upper
 172 100
 171 38.9 30.0 45.0
 170 25.8 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.042 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. 0.40 min
 Lab File: BG033931.D
 Acq: 23 Apr 2018 21:38

Tgt Ion:165 Resp: 24065
 Ion Ratio Lower Upper
 165 100
 63 1.6 52.7 79.1#
 89 0.0 49.2 73.8#

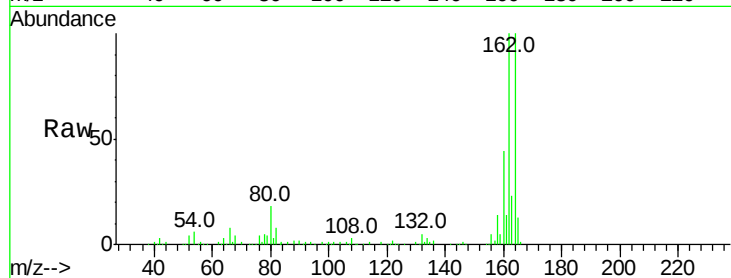




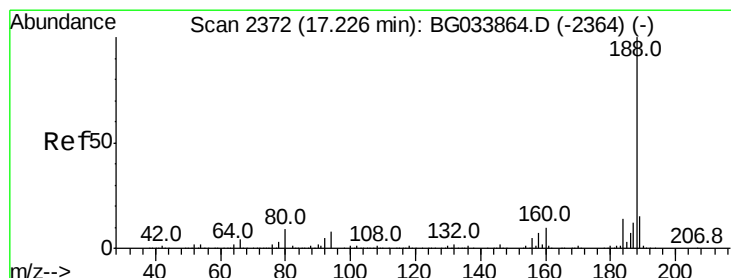
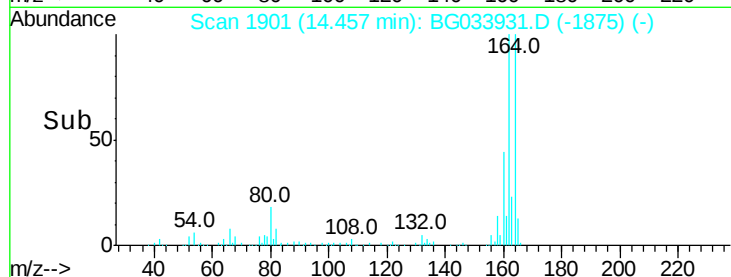
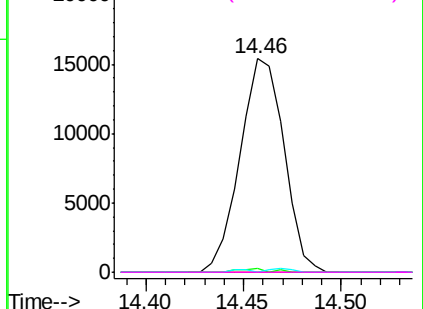
#56
 2,4-Dinitrotoluene
 Concen: 6.047 ng
 RT: 14.46 min Scan# 1901
 Delta R.T. -0.38 min
 Lab File: BG033931.D
 Acq: 23 Apr 2018 21:38

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 24065
 Ion Ratio Lower Upper
 165 100
 63 1.6 42.0 63.0#
 89 0.0 66.9 100.3#
 182 0.0 2.6 3.8#

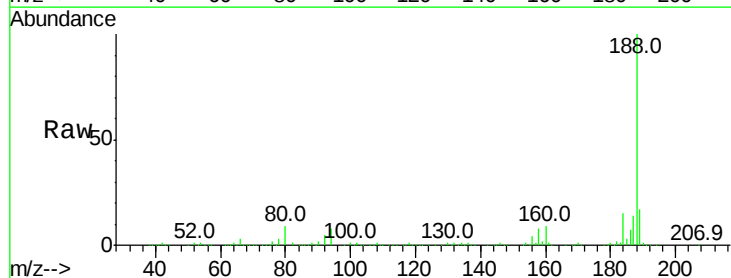


Abundance Ion 165.00 (164.70 to 165.70): E

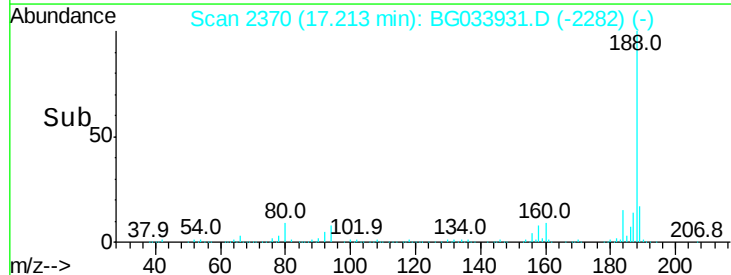
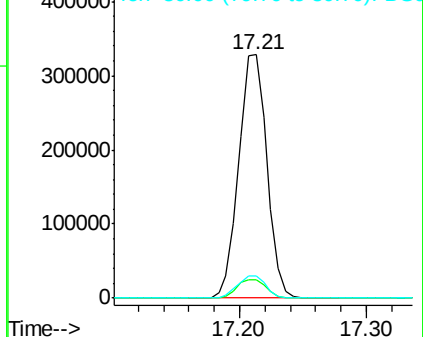


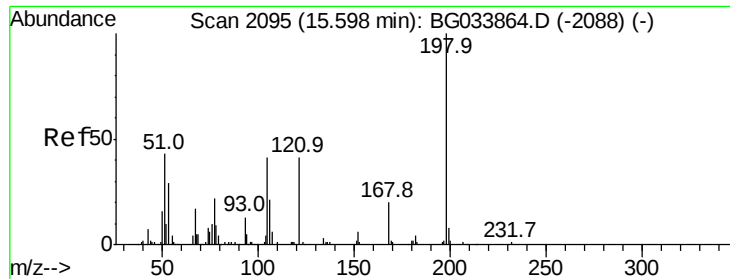
#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.21 min Scan# 2370
 Delta R.T. -0.01 min
 Lab File: BG033931.D
 Acq: 23 Apr 2018 21:38

Tgt Ion:188 Resp: 504730
 Ion Ratio Lower Upper
 188 100
 94 7.7 6.9 10.3
 80 9.2 7.7 11.5



Abundance Ion 188.00 (187.70 to 188.70): E

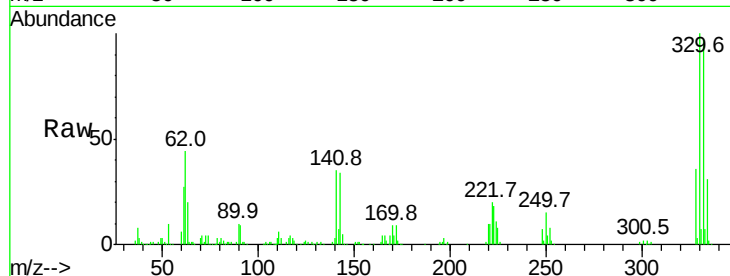




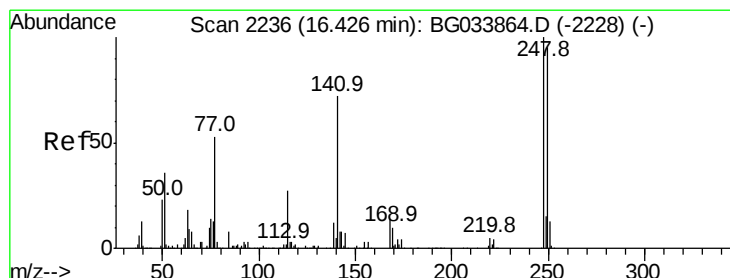
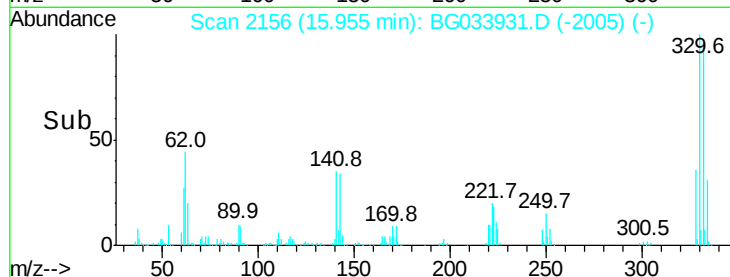
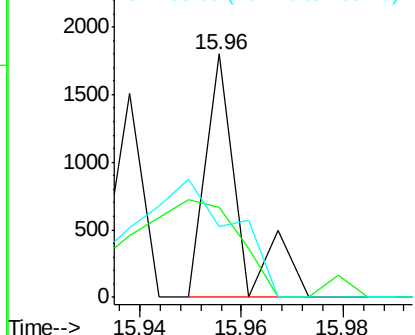
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.777 ng
 RT: 15.96 min Scan# 2156
 Delta R.T. 0.36 min
 Lab File: BG033931.D
 Acq: 23 Apr 2018 21:38

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:198 Resp: 808
 Ion Ratio Lower Upper
 198 100
 51 37.0 30.6 70.6
 105 29.3 23.8 63.8

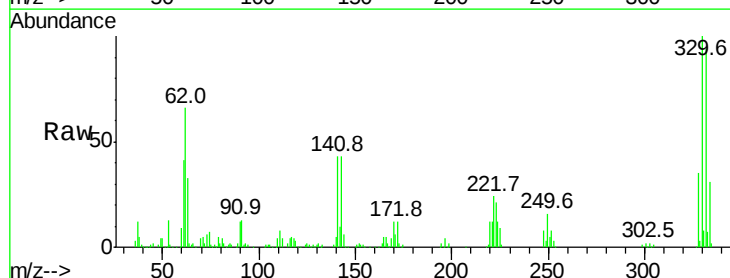


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BG
 Ion 105.00 (104.70 to 105.70): E

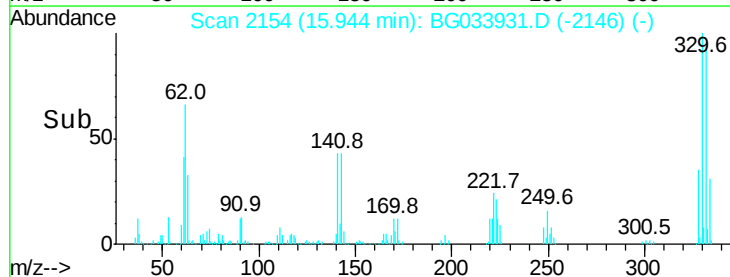
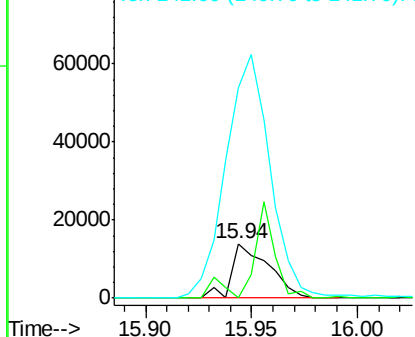


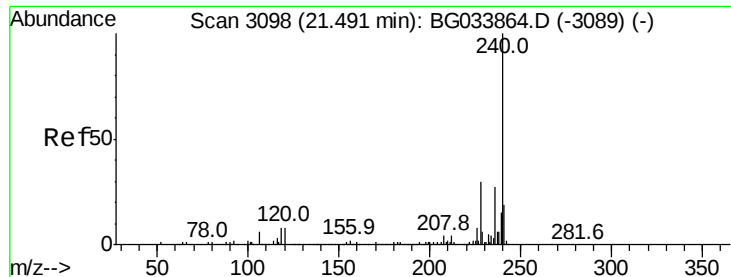
#66
 4-Bromophenyl-phenylether
 Concen: 3.067 ng
 RT: 15.94 min Scan# 2154
 Delta R.T. -0.48 min
 Lab File: BG033931.D
 Acq: 23 Apr 2018 21:38

Tgt Ion:248 Resp: 17000
 Ion Ratio Lower Upper
 248 100
 250 42.9 77.1 115.7#
 141 386.2 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





#75

Chrysene-d12

Concen: 20.000 ng

RT: 21.47 min Scan# 3094

Delta R.T. -0.02 min

Lab File: BG033931.D

Acq: 23 Apr 2018 21:38

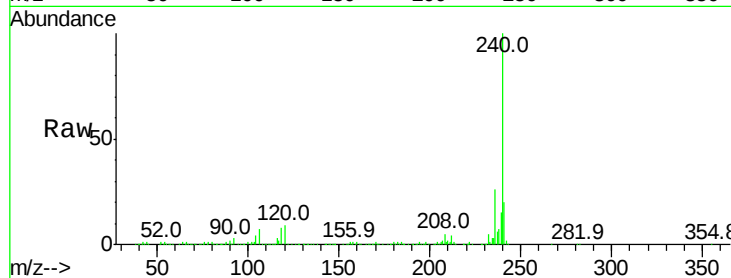
Instrument :

BNA_G

ClientSampled :

Tot Ion:240 Resp: 564480

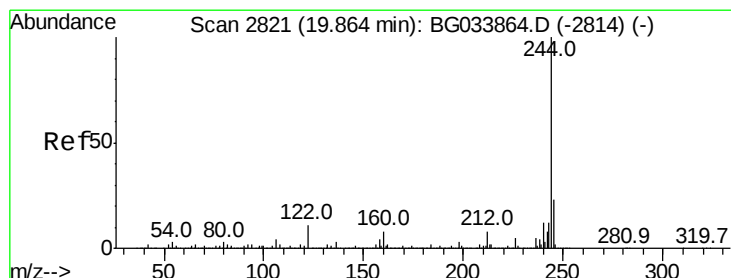
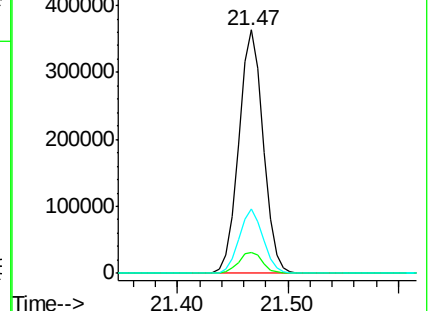
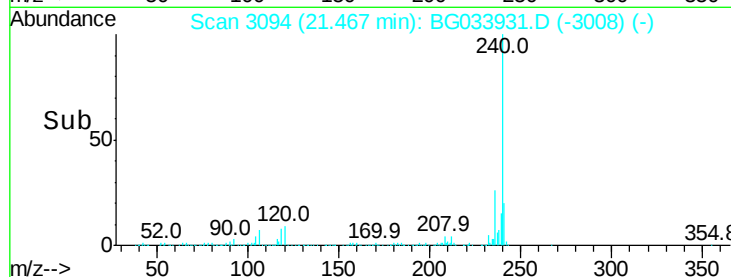
Ion	Ratio	Lower	Upper
240	100		
120	8.5	6.8	10.2
236	26.4	20.9	31.3



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: 86.467 ng

RT: 19.85 min Scan# 2819

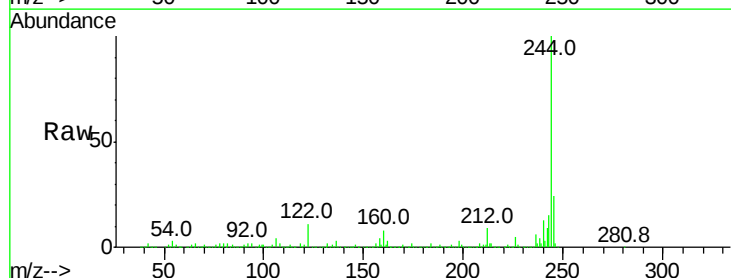
Delta R.T. -0.01 min

Lab File: BG033931.D

Acq: 23 Apr 2018 21:38

Tgt Ion:244 Resp: 2172545

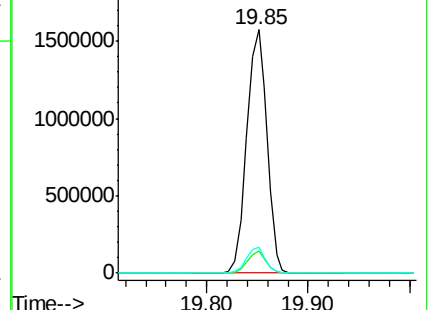
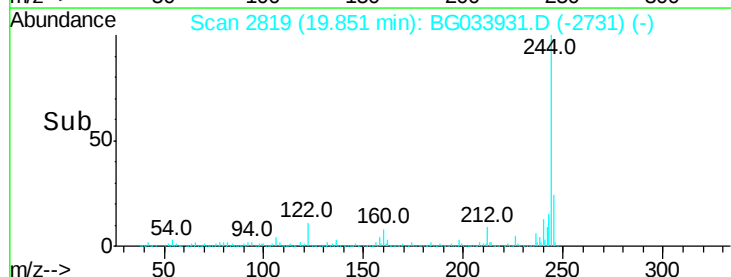
Ion	Ratio	Lower	Upper
244	100		
212	9.2	5.8	8.8#
122	10.8	7.0	10.4#

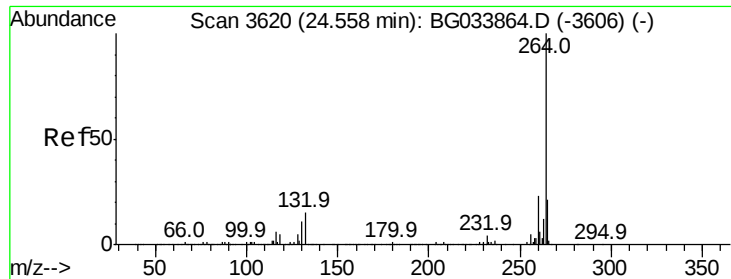


Abundance Ion 244.00 (243.70 to 244.70): E

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. -0.04 min
Lab File: BG033931.D
Acq: 23 Apr 2018 21:38

Instrument :
BNA_G
ClientSampleId :

Tot Ion:264 Resp: 567161

Ion	Ratio	Lower	Upper
264	100		
260	22.7	17.4	26.0
265	21.9	17.7	26.5

