

Data Path : Z:\HPCHEM1\BNA G\DATA\BG042518\
 Data File : BG033990.D
 Acq On : 25 Apr 2018 17:14
 Operator : SJ/JU
 Sample : J2541-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Apr 26 06:25:41 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

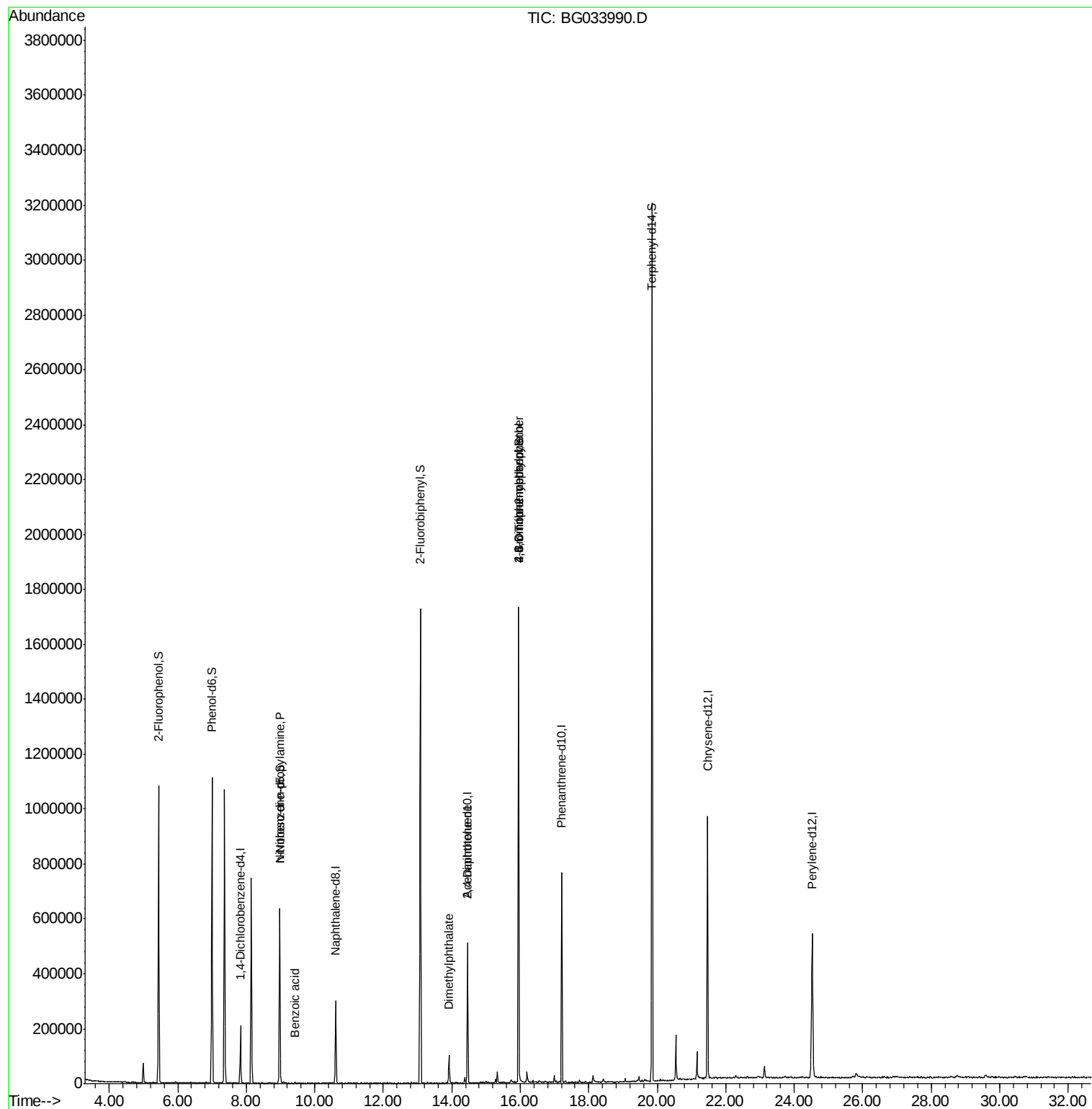
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	55693	20.00	ng	0.00
21) Naphthalene-d8	10.61	136	263295	20.00	ng	-0.02
38) Acenaphthene-d10	14.46	164	184900	20.00	ng	-0.02
63) Phenanthrene-d10	17.21	188	485455	20.00	ng	-0.02
75) Chrysene-d12	21.47	240	559048	20.00	ng	-0.03
86) Perylene-d12	24.52	264	544302	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	451024	129.29	ng	0.00
7) Phenol-d6	7.00	99	627955	123.42	ng	0.00
23) Nitrobenzene-d5	8.97	82	383555	82.90	ng	-0.01
41) 2,4,6-Tribromophenol	15.95	330	310048	143.73	ng	-0.02
44) 2-Fluorobiphenyl	13.08	172	898340	71.37	ng	-0.02
78) Terphenyl-d14	19.84	244	1496226	60.13	ng	-0.02
Target Compounds						
9) Benzaldehyde	7.00	77	1163	Below Cal	Qvalue	# 5
19) n-Nitroso-di-n-propylamine	8.97	70	51295	11.827 ng	#	80
32) Benzoic acid	9.42	122	54	5.097 ng	#	1
49) Dimethylphthalate	13.92	163	71690	4.408 ng	#	97
56) 2,4-Dinitrotoluene	14.46	165	24120	5.885 ng	#	16
64) 4,6-Dinitro-2-methylphenol	15.95	198	2149	7.284 ng	#	69
66) 4-Bromophenyl-phenylether	15.95	248	14947	2.804 ng	#	1

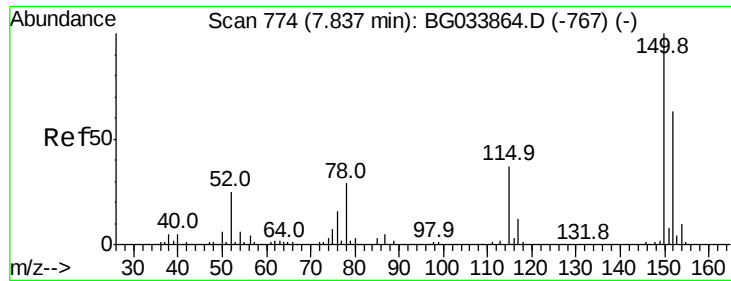
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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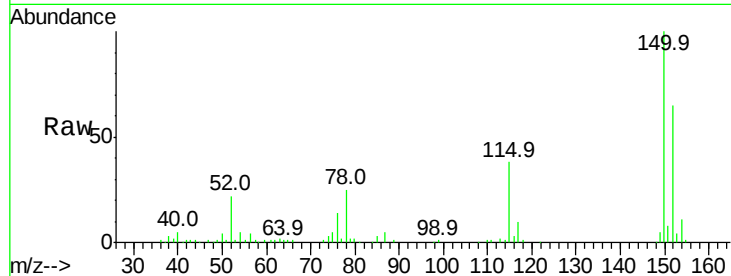


#1

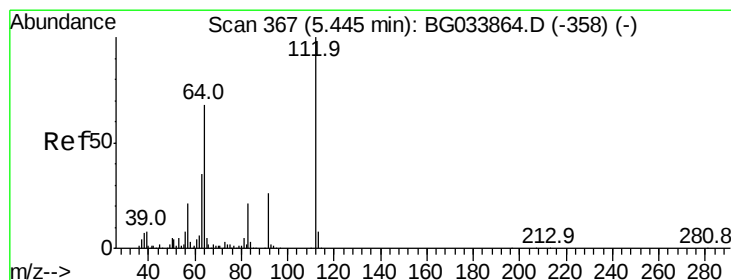
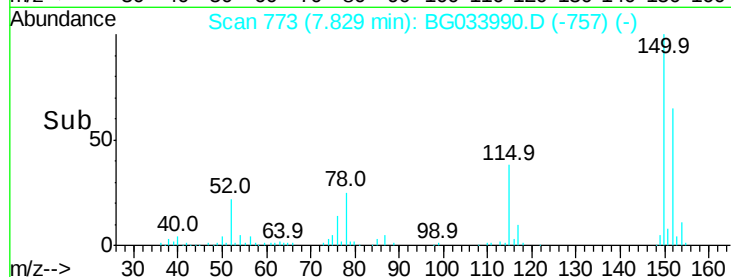
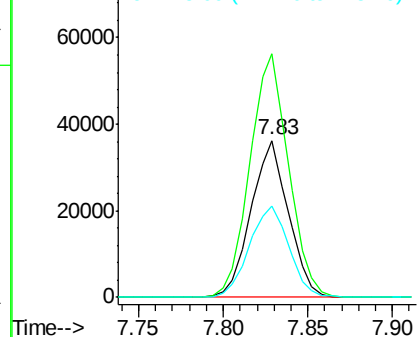
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.83 min Scan# 773
Delta R.T. -0.01 min
Lab File: BG033990.D
Acq: 25 Apr 2018 17:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 55693
Ion Ratio Lower Upper
152 100
150 155.0 126.6 189.8
115 58.3 53.0 79.4



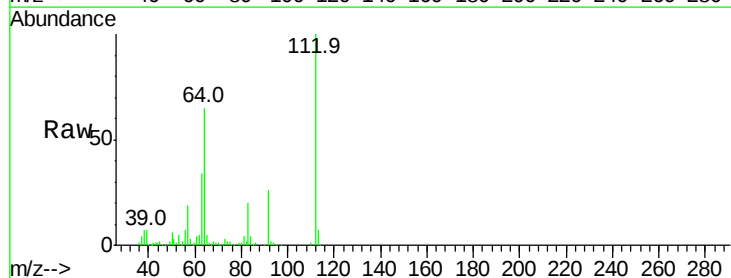
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



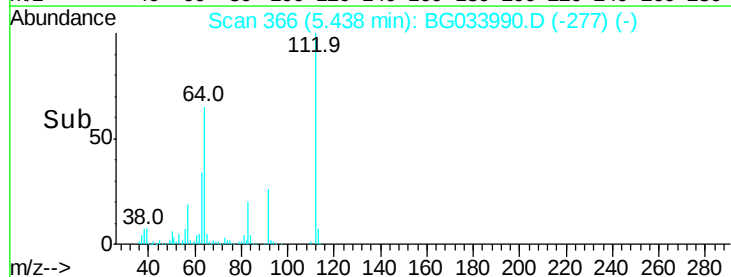
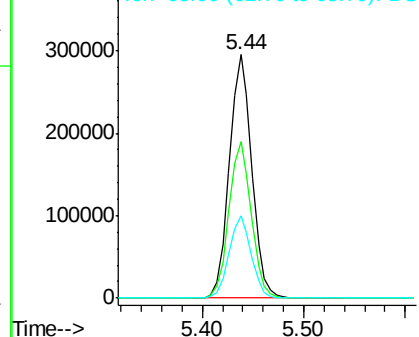
#5

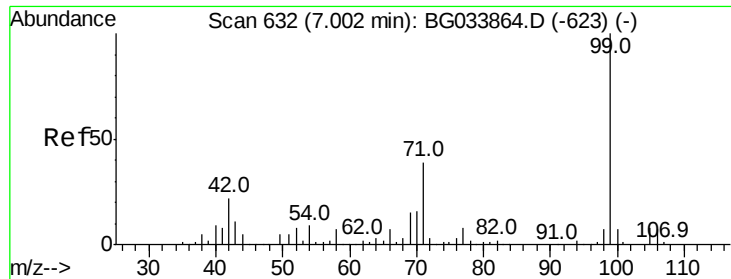
2-Fluorophenol
Concen: 129.294 ng
RT: 5.44 min Scan# 366
Delta R.T. -0.01 min
Lab File: BG033990.D
Acq: 25 Apr 2018 17:14

Tgt Ion:112 Resp: 451024
Ion Ratio Lower Upper
112 100
64 64.5 56.3 84.5
63 34.0 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: 123.419 ng

RT: 7.00 min Scan# 632

Delta R.T. -0.00 min

Lab File: BG033990.D

Acq: 25 Apr 2018 17:14

Instrument :

BNA_G

ClientSampled :

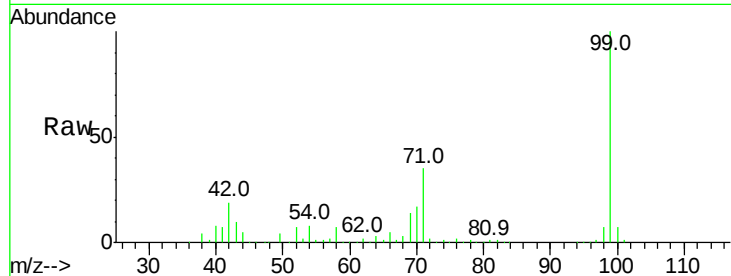
Tot Ion: 99 Resp: 627955

Ion Ratio Lower Upper

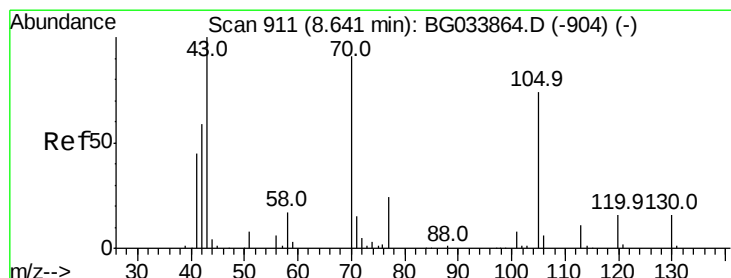
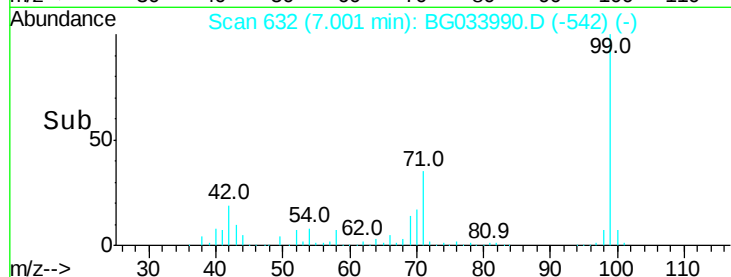
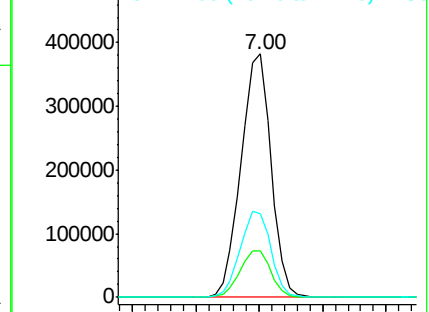
99 100

42 19.1 14.1 21.1

71 34.6 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: 11.827 ng

RT: 8.97 min Scan# 968

Delta R.T. 0.33 min

Lab File: BG033990.D

Acq: 25 Apr 2018 17:14

Tgt Ion: 70 Resp: 51295

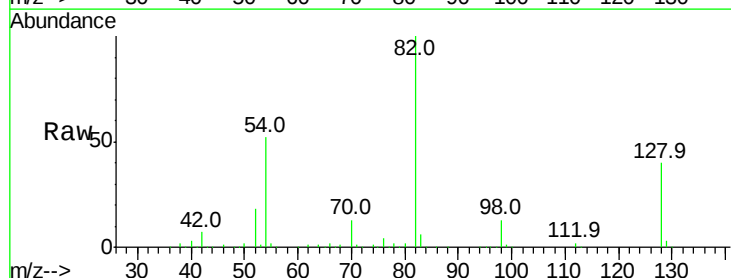
Ion Ratio Lower Upper

70 100

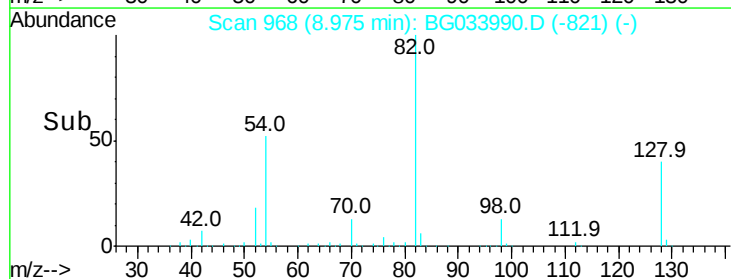
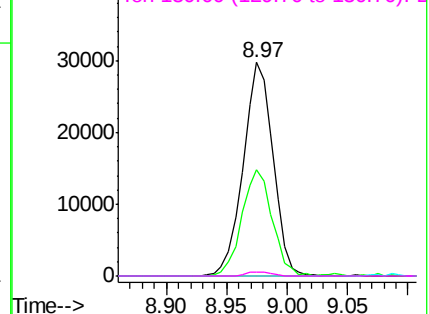
42 50.0 49.1 73.7

101 0.0 8.5 12.7#

130 2.1 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

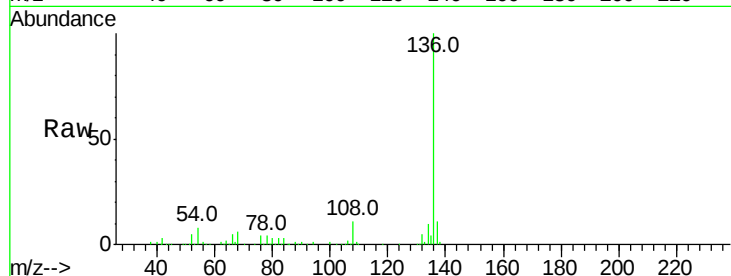




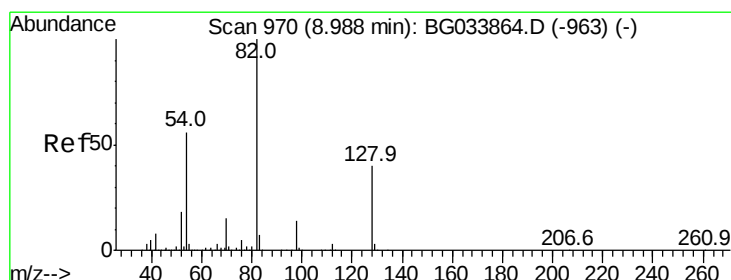
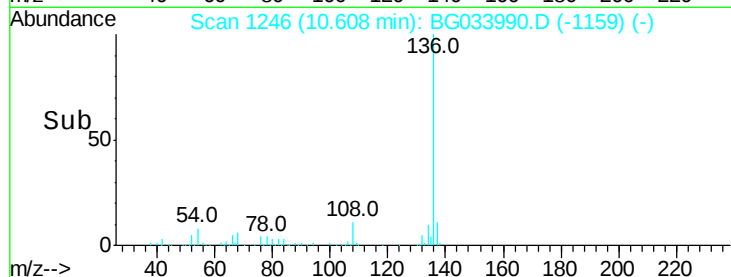
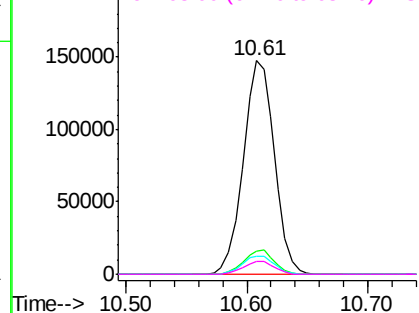
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.61 min Scan# 1246
Delta R.T. -0.02 min
Lab File: BG033990.D
Acq: 25 Apr 2018 17:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 263295
Ion Ratio	Lower Upper
136 100	
137 10.8	9.2 13.8
54 8.3	10.3 15.5
68 6.1	4.5 6.7

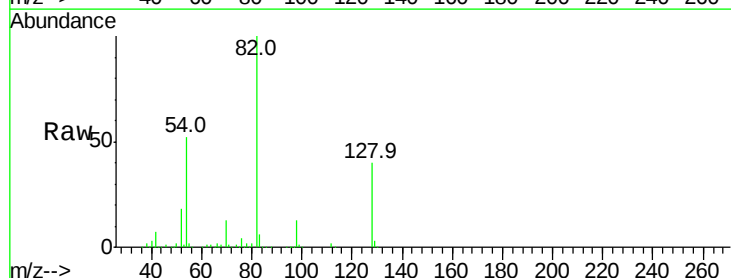


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

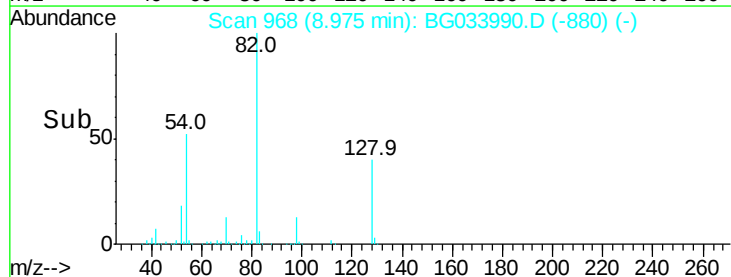
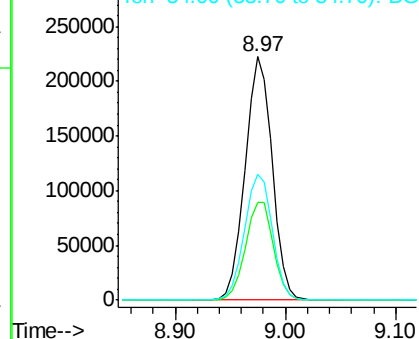


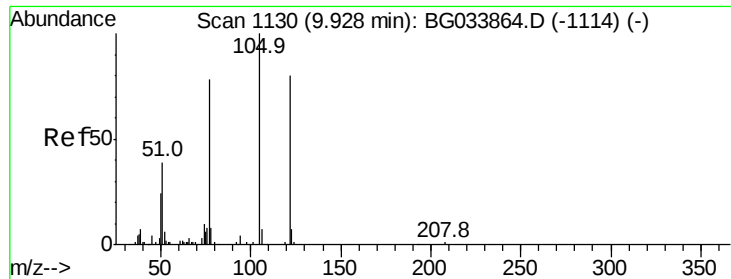
#23
Nitrobenzene-d5
Concen: 82.903 ng
RT: 8.97 min Scan# 968
Delta R.T. -0.01 min
Lab File: BG033990.D
Acq: 25 Apr 2018 17:14

Tgt Ion: 82	Resp: 383555
Ion Ratio	Lower Upper
82 100	
128 40.3	29.7 44.5
54 51.9	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

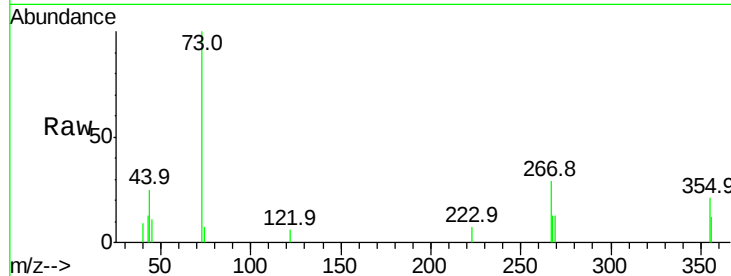




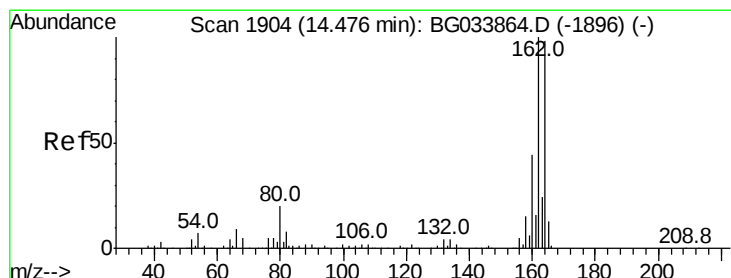
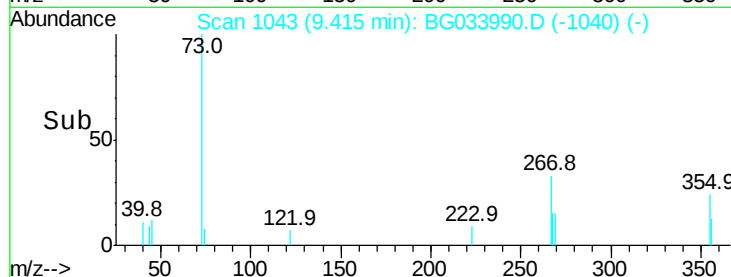
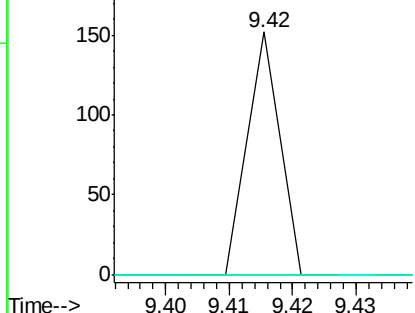
#32
Benzoic acid
Concen: 5.097 ng
RT: 9.42 min Scan# 1043
Delta R.T. -0.51 min
Lab File: BG033990.D
Acq: 25 Apr 2018 17:14

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
122	100		
105	0.0	123.5	163.5#
77	0.0	85.7	125.7#

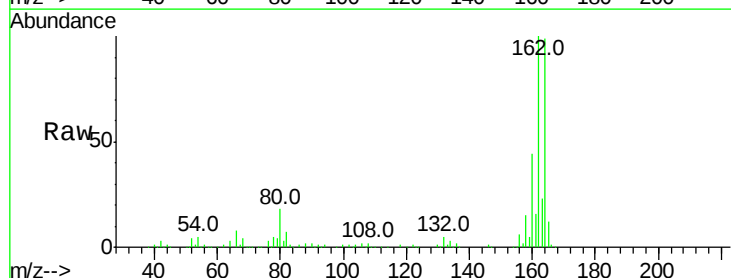


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BGC

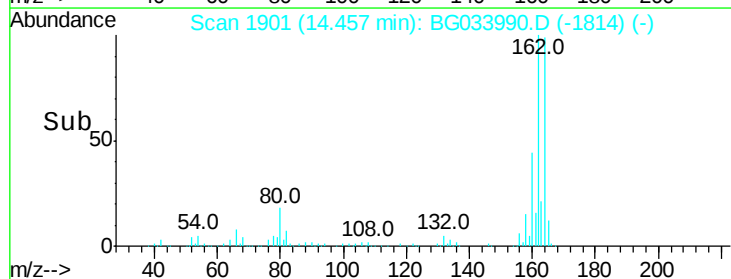
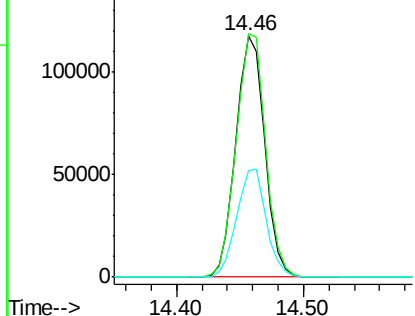


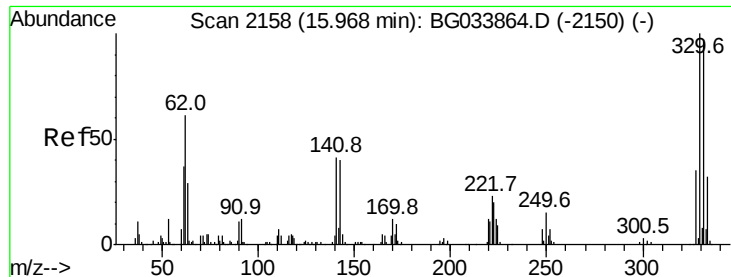
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.46 min Scan# 1901
Delta R.T. -0.02 min
Lab File: BG033990.D
Acq: 25 Apr 2018 17:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.8	78.8	118.2
160	44.2	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

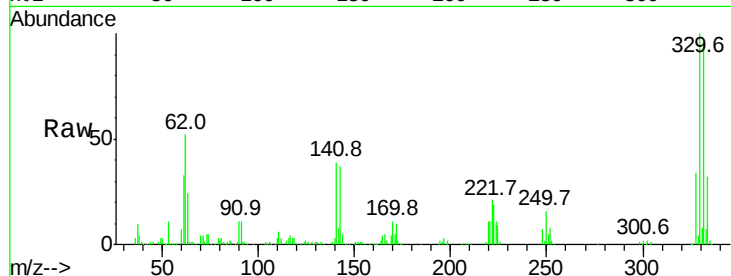




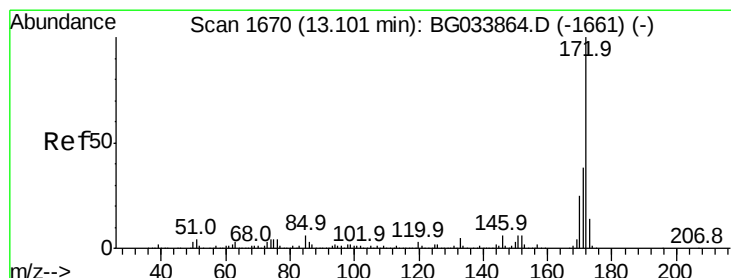
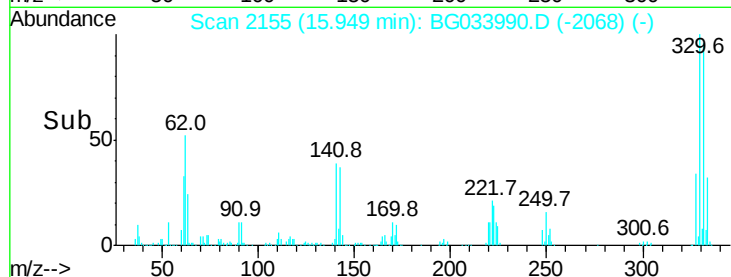
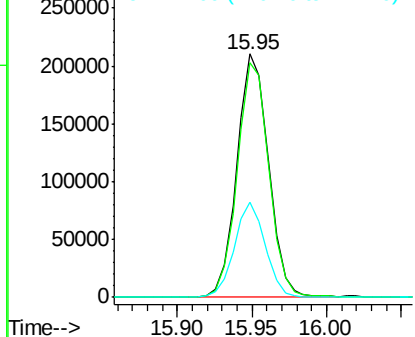
#41
 2,4,6-Tribromophenol
 Concen: 143.730 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.02 min
 Lab File: BG033990.D
 Acq: 25 Apr 2018 17:14

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	77.0	115.6
141	38.3	25.2	37.8#

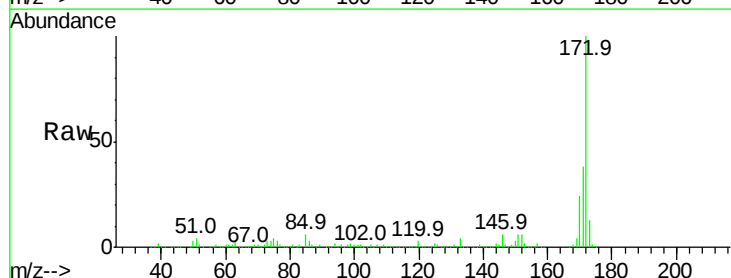


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

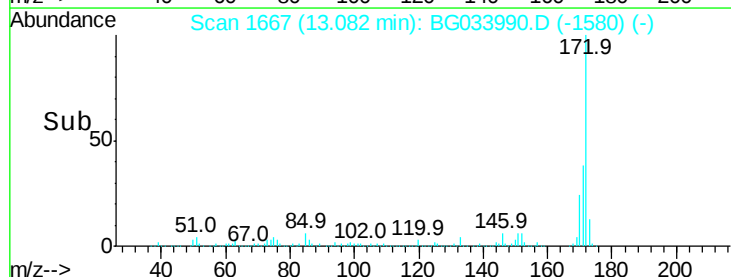
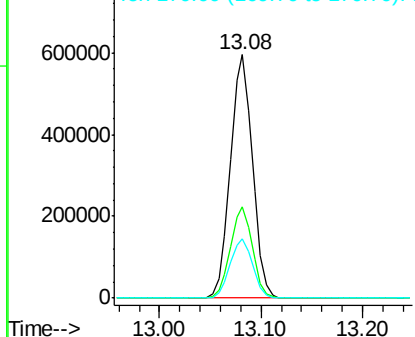


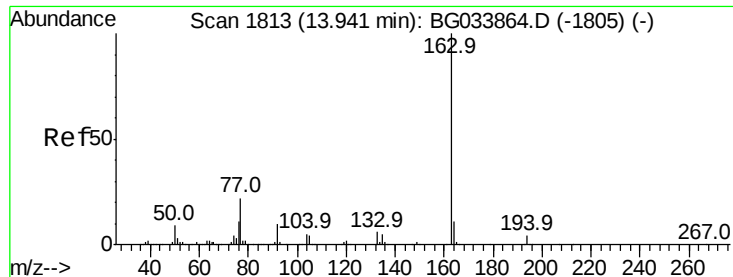
#44
 2-Fluorobiphenyl
 Concen: 71.373 ng
 RT: 13.08 min Scan# 1667
 Delta R.T. -0.02 min
 Lab File: BG033990.D
 Acq: 25 Apr 2018 17:14

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.6	30.0	45.0
170	24.2	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E





#49

Dimethylphthalate

Concen: 4.408 ng

RT: 13.92 min Scan# 1809

Delta R.T. -0.03 min

Lab File: BG033990.D

Acq: 25 Apr 2018 17:14

Instrument :

BNA_G

ClientSampleId :

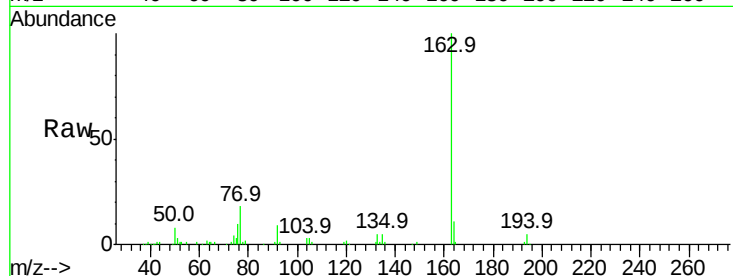
Tot Ion:163 Resp: 71690

Ion Ratio Lower Upper

163 100

194 5.4 3.4 5.2#

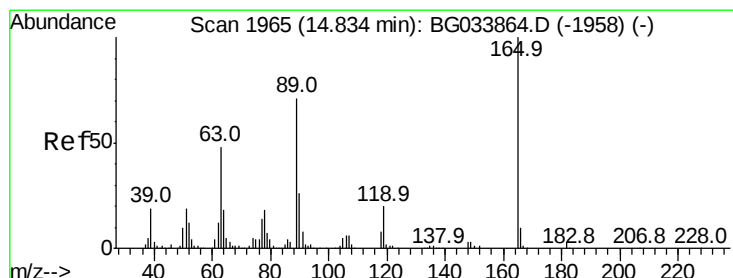
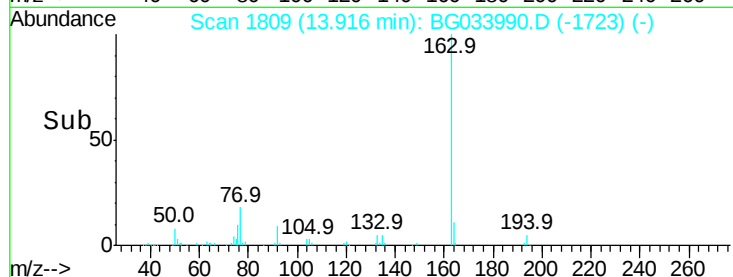
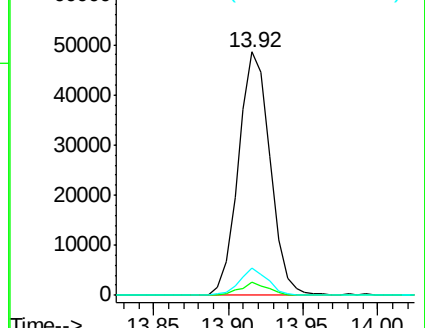
164 11.2 8.2 12.4



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#56

2,4-Dinitrotoluene

Concen: 5.885 ng

RT: 14.46 min Scan# 1901

Delta R.T. -0.38 min

Lab File: BG033990.D

Acq: 25 Apr 2018 17:14

Tgt Ion:165 Resp: 24120

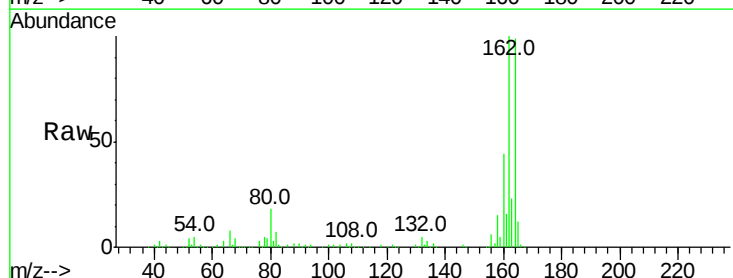
Ion Ratio Lower Upper

165 100

63 0.0 42.0 63.0#

89 0.0 66.9 100.3#

182 0.0 2.6 3.8#

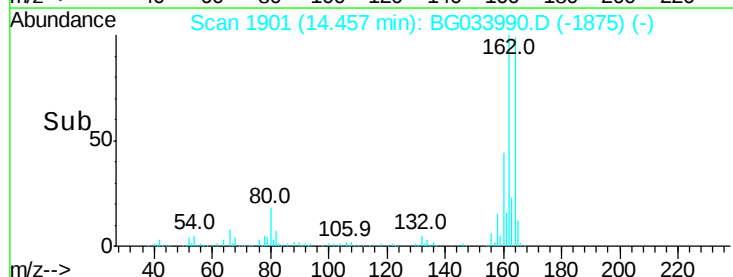
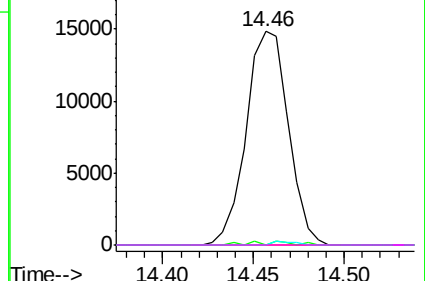


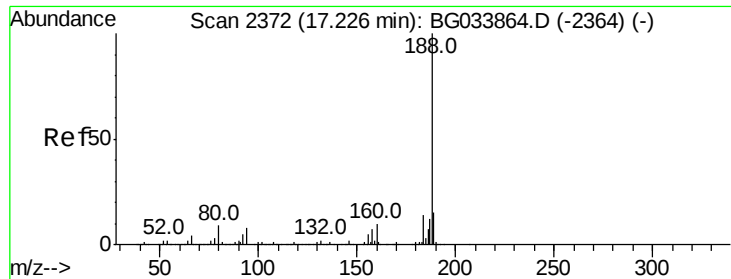
Abundance Ion 165.00 (164.70 to 165.70): E

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: BG033990.D

Acq: 25 Apr 2018 17:14

Instrument :

BNA_G

ClientSampleId :

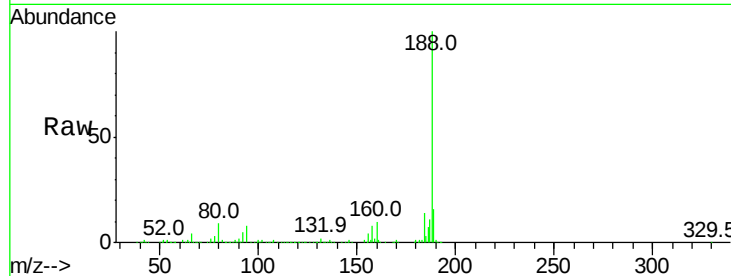
Tot Ion:188 Resp: 485455

Ion	Ratio	Lower	Upper
188	100		
94	8.1	6.9	10.3
80	8.8	7.7	11.5

188 100

94 8.1 6.9 10.3

80 8.8 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

17.21

300000

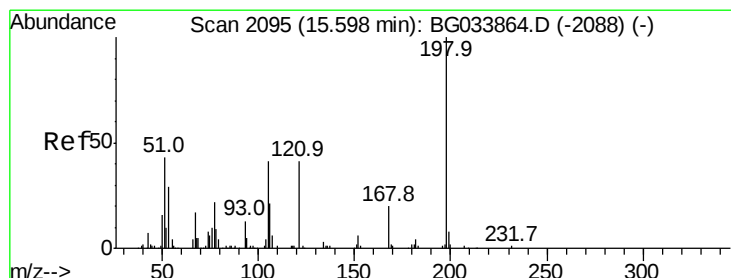
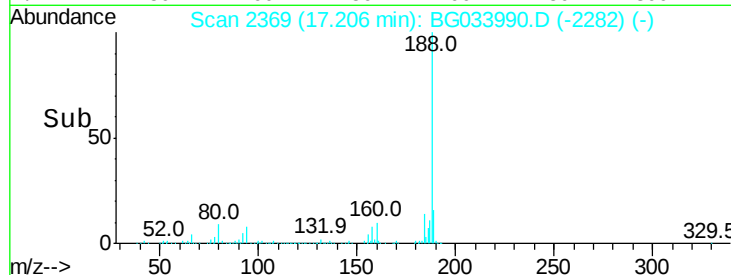
200000

100000

0

Time-->

17.20 17.30



#64

4,6-Dinitro-2-methylphenol

Concen: 7.284 ng

RT: 15.95 min Scan# 2155

Delta R.T. 0.35 min

Lab File: BG033990.D

Acq: 25 Apr 2018 17:14

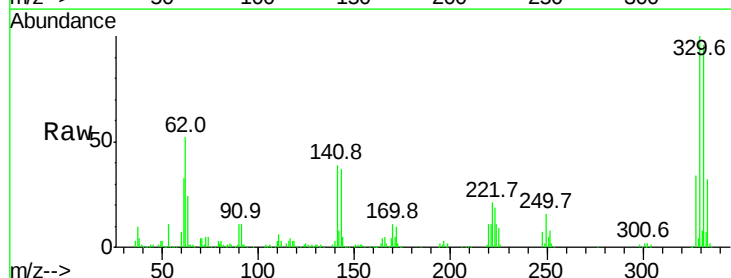
Tgt Ion:198 Resp: 2149

Ion	Ratio	Lower	Upper
198	100		
51	23.9	30.6	70.6#
105	28.7	23.8	63.8

198 100

51 23.9 30.6 70.6#

105 28.7 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

15.95

4000

3000

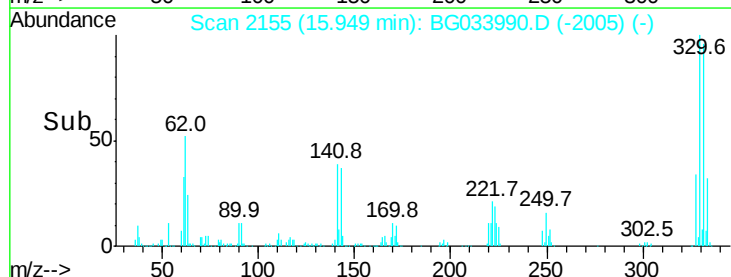
2000

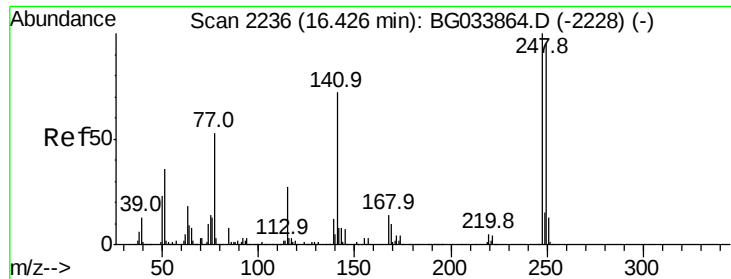
1000

0

Time-->

15.95

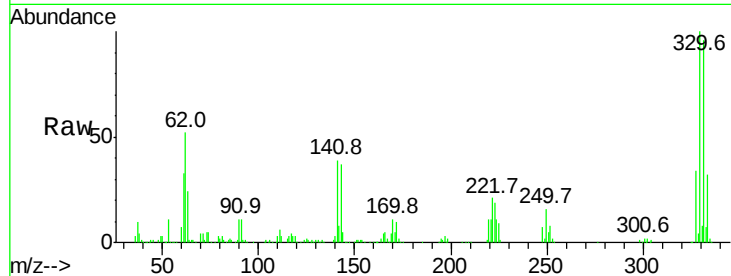




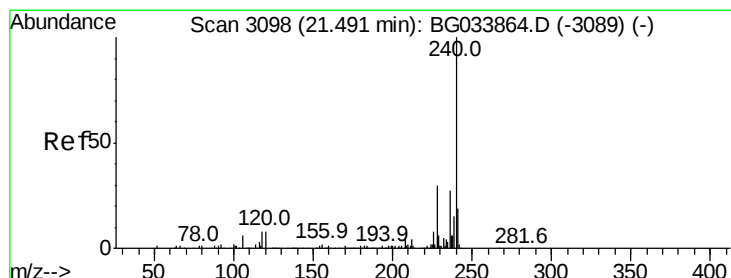
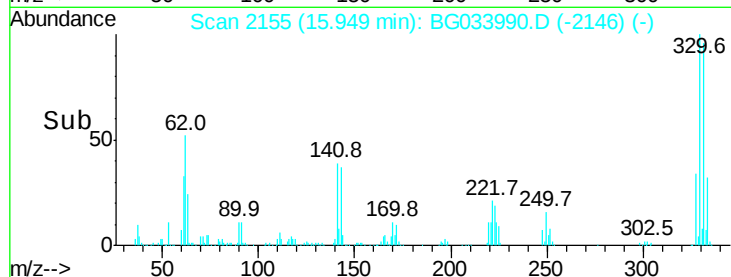
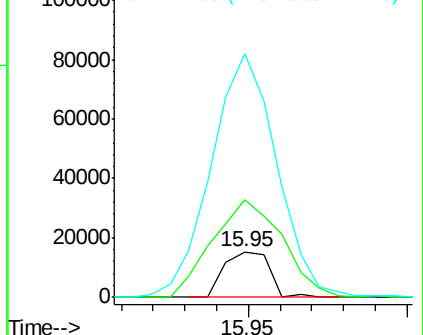
#66
 4-Bromophenyl-phenylether
 Concen: 2.804 ng
 RT: 15.95 min Scan# 2155
 Delta R.T. -0.48 min
 Lab File: BG033990.D
 Acq: 25 Apr 2018 17:14

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 14947
 Ion Ratio Lower Upper
 248 100
 250 212.3 77.1 115.7#
 141 408.5 50.8 76.2#

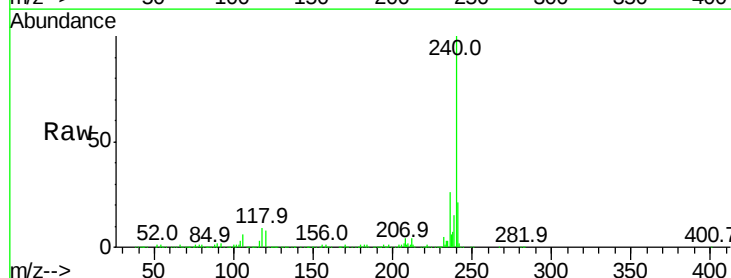


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

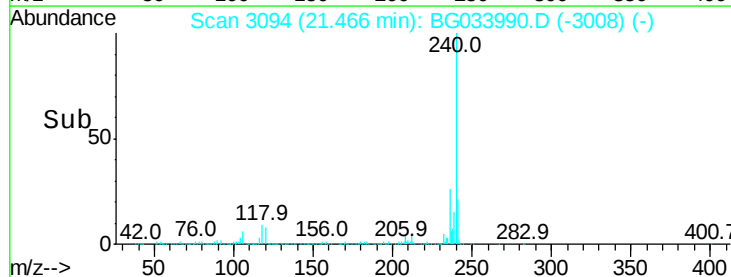
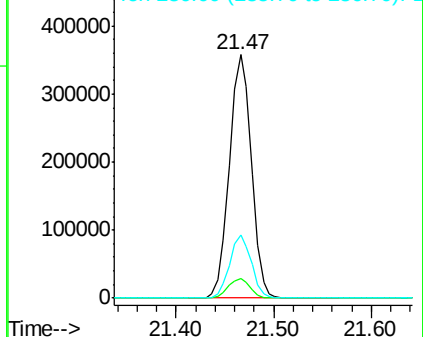


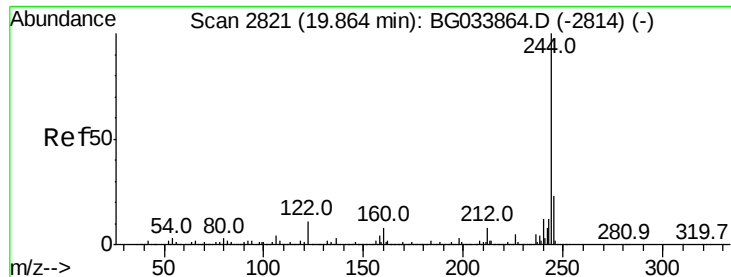
#75
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.47 min Scan# 3094
 Delta R.T. -0.03 min
 Lab File: BG033990.D
 Acq: 25 Apr 2018 17:14

Tgt Ion:240 Resp: 559048
 Ion Ratio Lower Upper
 240 100
 120 8.0 6.8 10.2
 236 26.0 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: 60.128 ng

RT: 19.84 min Scan# 2818

Delta R.T. -0.02 min

Lab File: BG033990.D

Acq: 25 Apr 2018 17:14

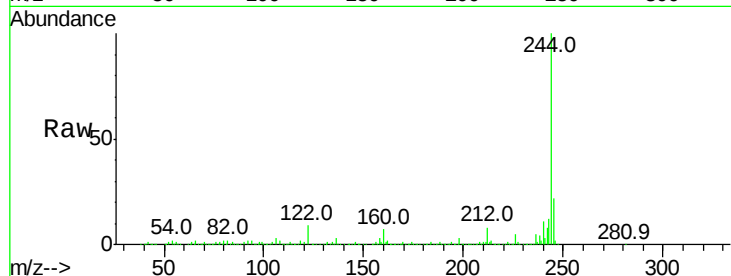
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1496226

Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	8.8	7.0	10.4

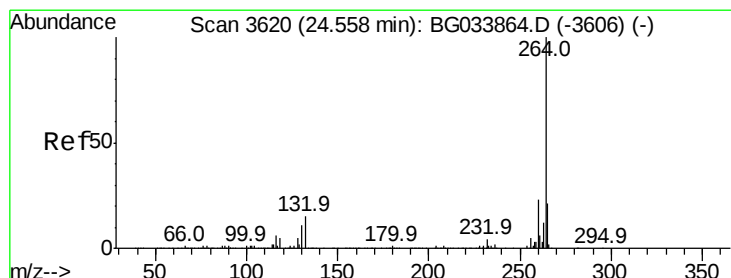
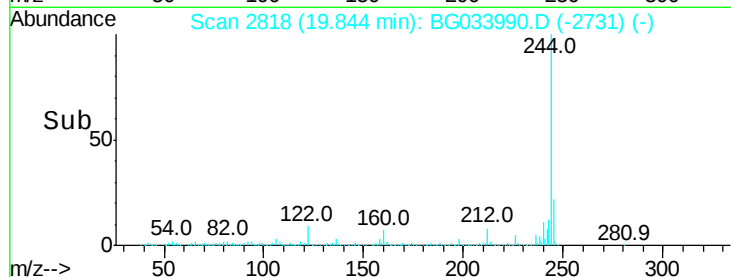
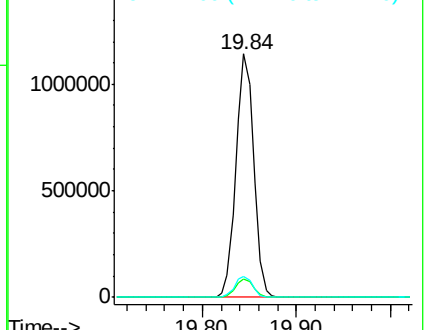


Abundance

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

Perylene-d12

Concen: 20.000 ng

RT: 24.52 min Scan# 3614

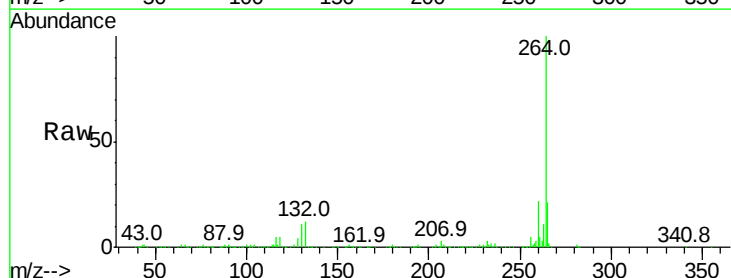
Delta R.T. -0.04 min

Lab File: BG033990.D

Acq: 25 Apr 2018 17:14

Tgt Ion:264 Resp: 544302

Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.4	26.0
265	20.5	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

