

Data Path : Z:\HPCHEM1\BNA G\DATA\BG010918\
 Data File : BG031948.D
 Acq On : 9 Jan 2018 16:26
 Operator : SJ/JU
 Sample : PB105533BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 10 00:21:41 2018
 Quant Method : Z:\HPCHEM1\BNA G\METHODS\8270-BG122117.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 05 15:31:34 2018
 Response via : Initial Calibration

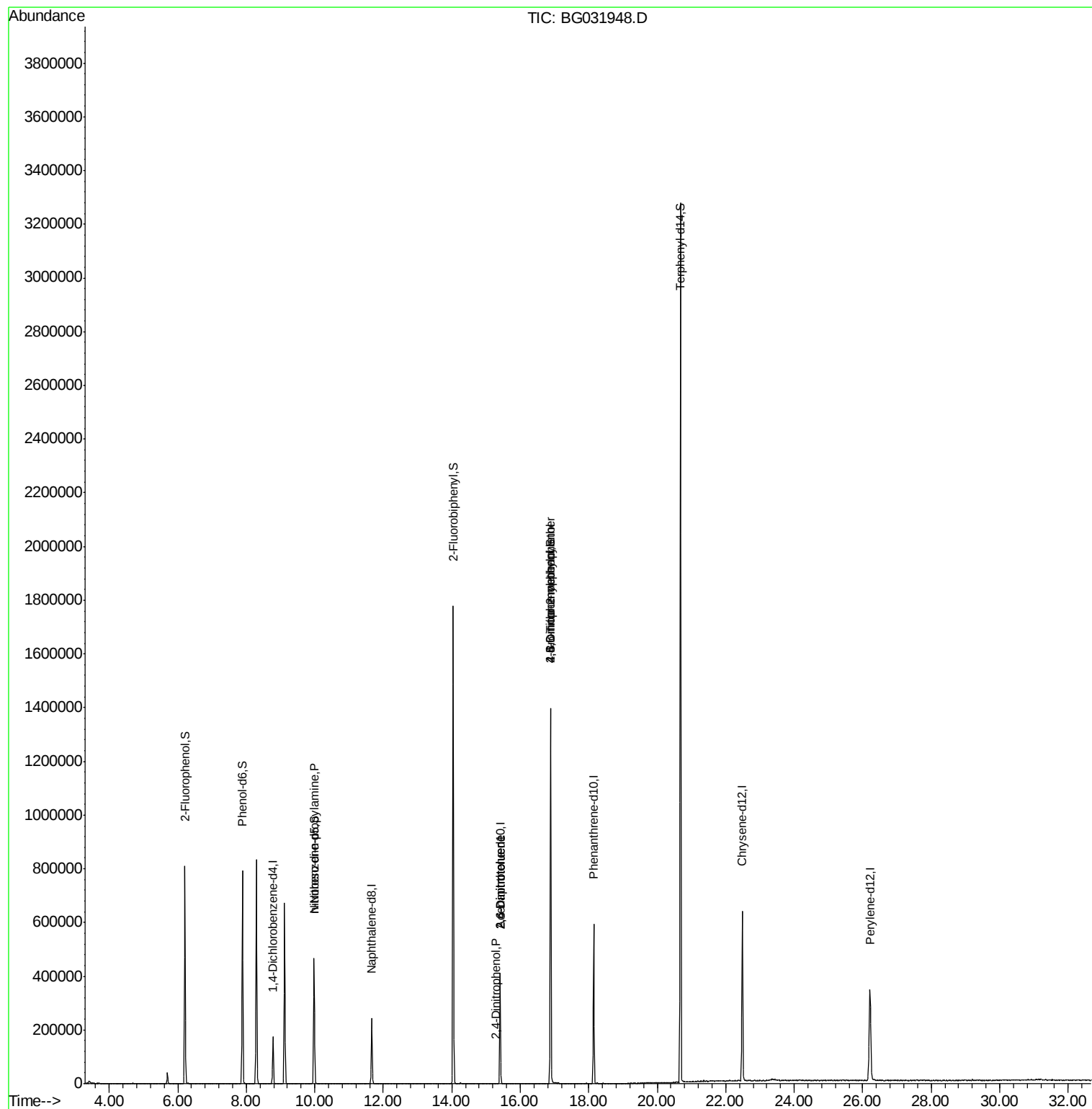
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	59681	20.00	ng	0.00
21) Naphthalene-d8	11.67	136	248576	20.00	ng	0.00
38) Acenaphthene-d10	15.41	164	164743	20.00	ng	-0.02
63) Phenanthrene-d10	18.14	188	430130	20.00	ng	-0.02
75) Chrysene-d12	22.48	240	488432	20.00	ng	-0.04
86) Perylene-d12	26.21	264	485815	20.00	ng	-0.09
System Monitoring Compounds						
5) 2-Fluorophenol	6.21	112	429386	131.04	ng	0.00
7) Phenol-d6	7.89	99	542208	127.45	ng	0.00
23) Nitrobenzene-d5	9.98	82	303392	92.16	ng	0.00
41) 2,4,6-Tribromophenol	16.88	330	332523	132.28	ng	-0.02
44) 2-Fluorobiphenyl	14.04	172	1078700	82.18	ng	-0.01
78) Terphenyl-d14	20.68	244	1813327	84.82	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.98	70	38882	13.383	ng	# 69
50) 2,6-Dinitrotoluene	15.41	165	21587	8.085	ng	# 21
53) 2,4-Dinitrophenol	15.30	184	66	7.686	ng	# 1
56) 2,4-Dinitrotoluene	15.41	165	21587	6.288	ng	# 19
64) 4,6-Dinitro-2-methylphenol	16.89	198	985	8.695	ng	# 44
66) 4-Bromophenyl-phenylether	16.88	248	27607	4.438	ng	# 1

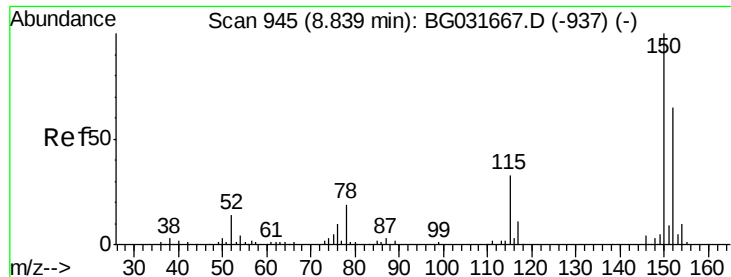
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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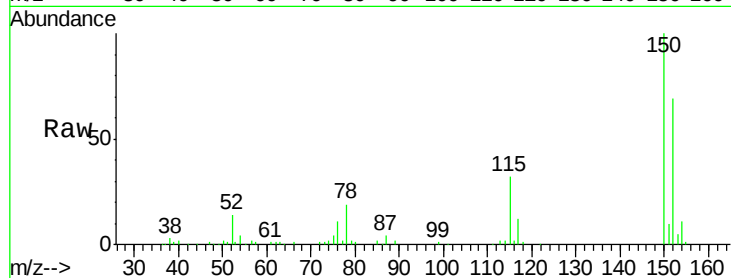


#1

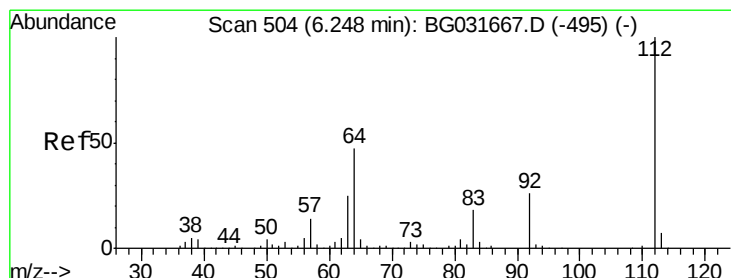
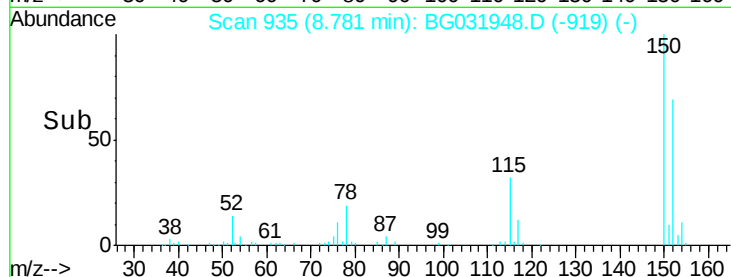
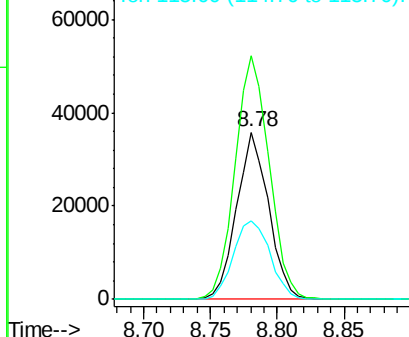
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: BG031948.D
Acq: 9 Jan 2018 16:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 59681
Ion Ratio Lower Upper
152 100
150 145.4 126.6 189.8
115 46.5 53.0 79.4#



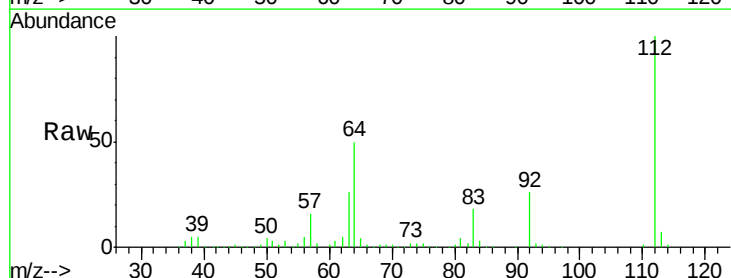
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



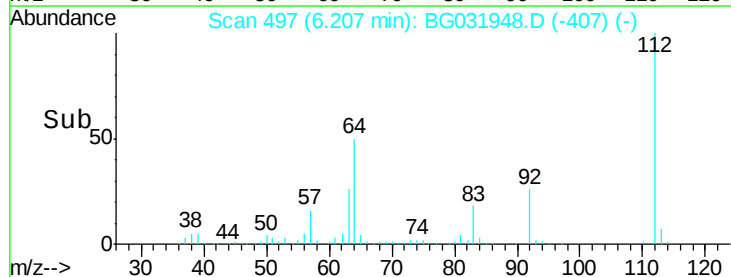
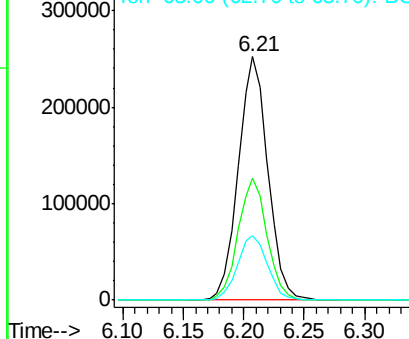
#5

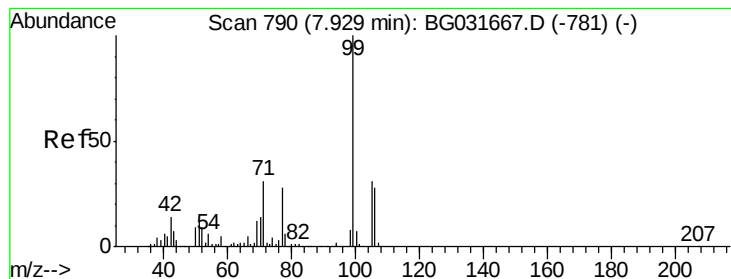
2-Fluorophenol
Concen: 131.043 ng
RT: 6.21 min Scan# 497
Delta R.T. -0.00 min
Lab File: BG031948.D
Acq: 9 Jan 2018 16:26

Tgt Ion:112 Resp: 429386
Ion Ratio Lower Upper
112 100
64 50.0 56.3 84.5#
63 26.4 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: 127.452 ng

RT: 7.89 min Scan# 783

Delta R.T. -0.00 min

Lab File: BG031948.D

Acq: 9 Jan 2018 16:26

Instrument :

BNA_G

ClientSampleId :

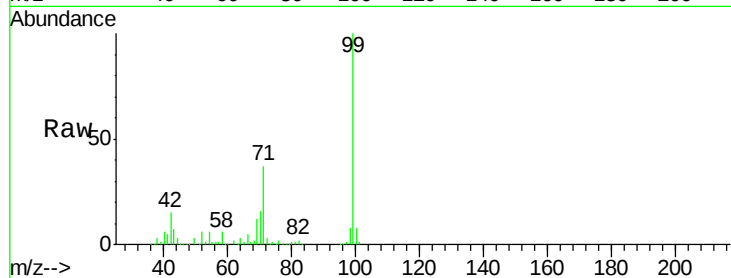
Tot Ion: 99 Resp: 542208

Ion Ratio Lower Upper

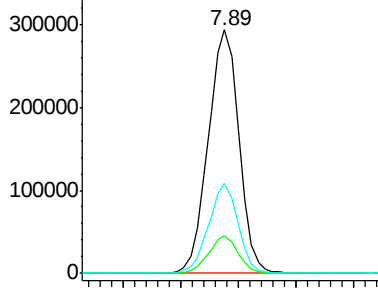
99 100

42 15.3 14.1 21.1

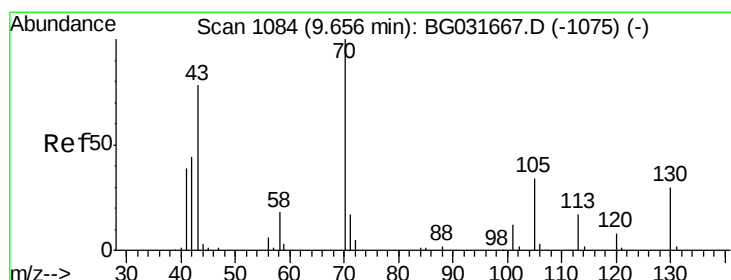
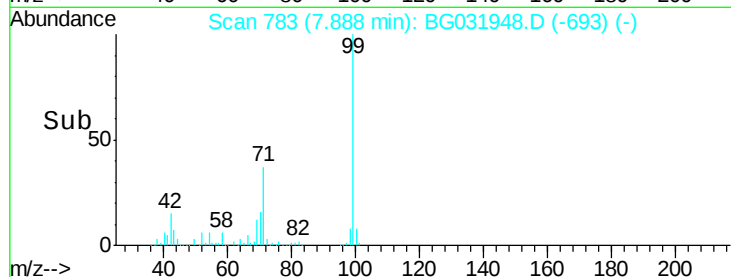
71 37.2 26.1 39.1



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



Time-->



#19

n-Nitroso-di-n-propylamine

Concen: 13.383 ng

RT: 9.98 min Scan# 1139

Delta R.T. 0.37 min

Lab File: BG031948.D

Acq: 9 Jan 2018 16:26

Tgt Ion: 70 Resp: 38882

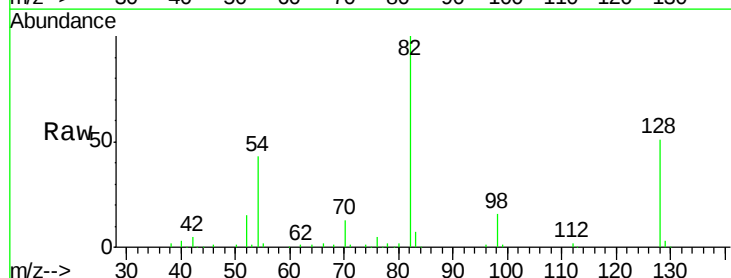
Ion Ratio Lower Upper

70 100

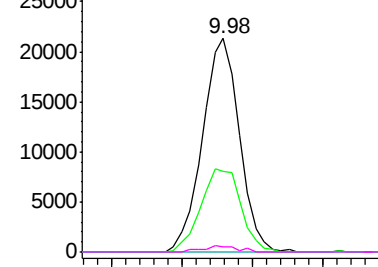
42 38.0 49.1 73.7#

101 0.0 8.5 12.7#

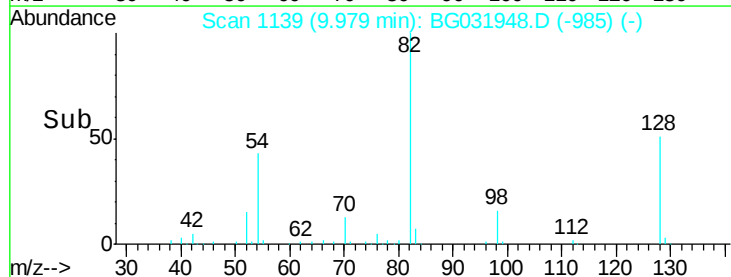
130 2.6 13.4 20.0#

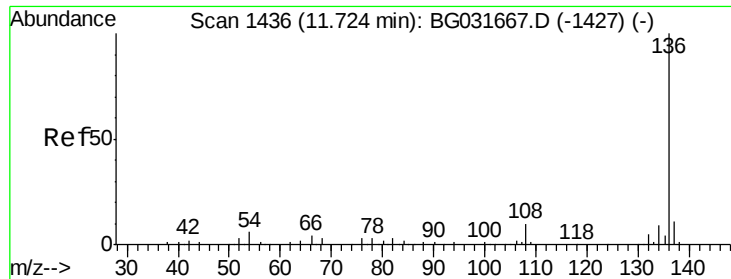


Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC



Time-->

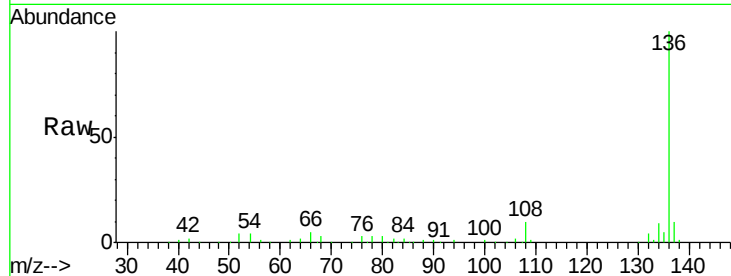




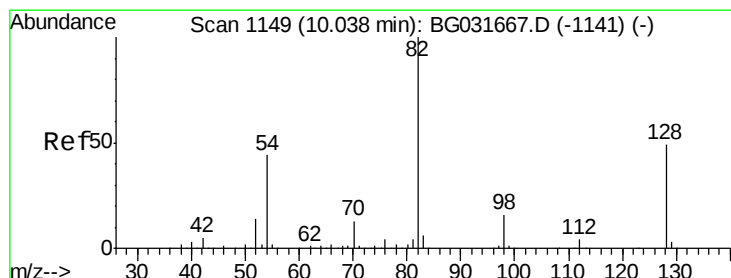
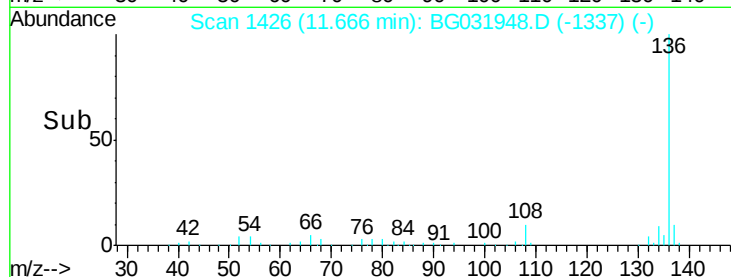
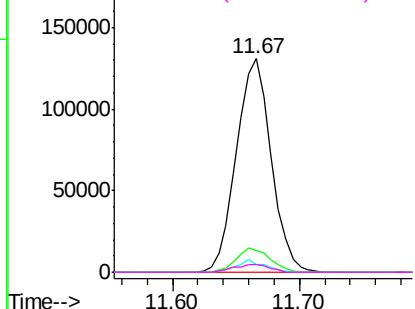
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.67 min Scan# 1426
Delta R.T. -0.01 min
Lab File: BG031948.D
Acq: 9 Jan 2018 16:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp:	248576
Ion Ratio	Lower	Upper
136	100	
137	10.4	9.2 13.8
54	3.8	10.3 15.5#
68	3.5	4.5 6.7#

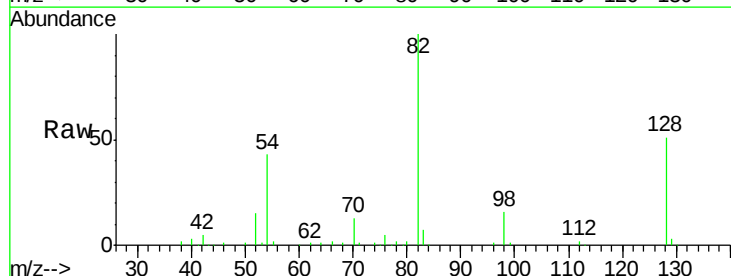


Abundance Ion 136.00 (135.70 to 136.70): BGC
Ion 137.00 (136.70 to 137.70): BGC
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

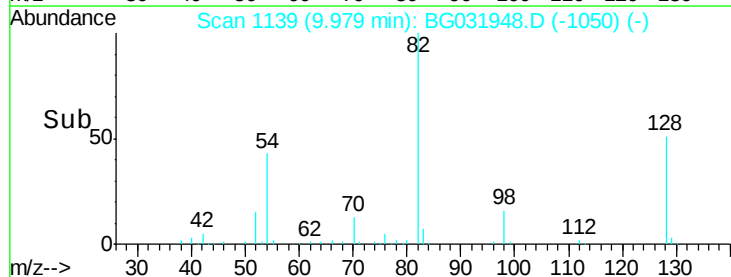
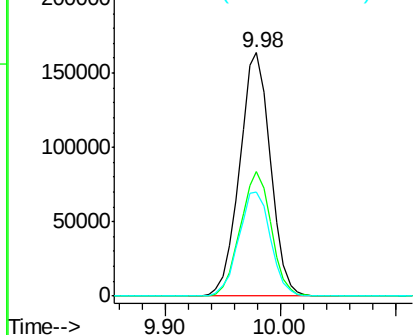


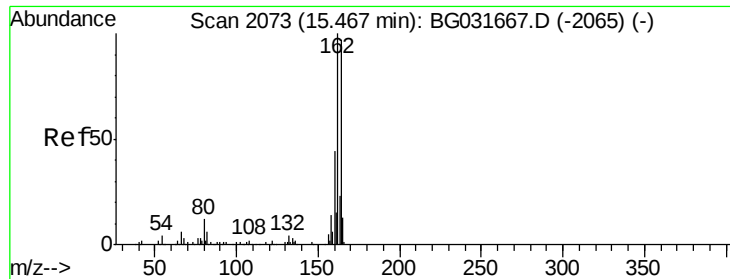
#23
Nitrobenzene-d5
Concen: 92.164 ng
RT: 9.98 min Scan# 1139
Delta R.T. -0.01 min
Lab File: BG031948.D
Acq: 9 Jan 2018 16:26

Tgt Ion: 82	Resp:	303392
Ion Ratio	Lower	Upper
82	100	
128	51.3	29.7 44.5#
54	42.9	43.1 64.7#



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

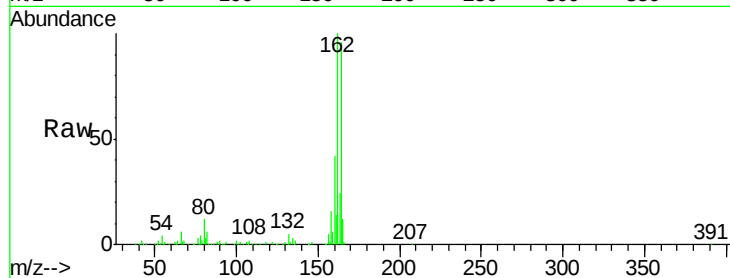




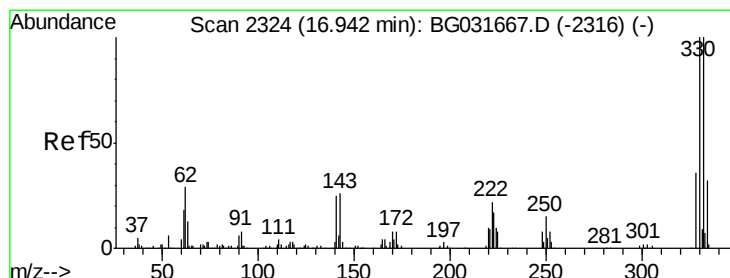
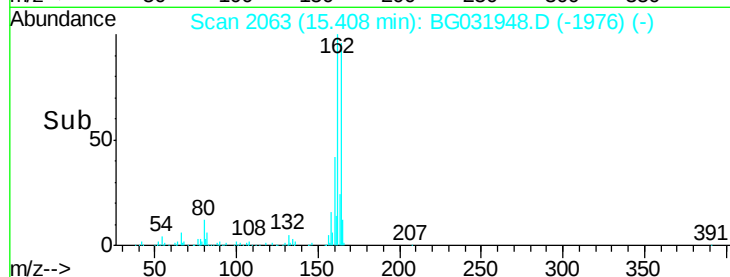
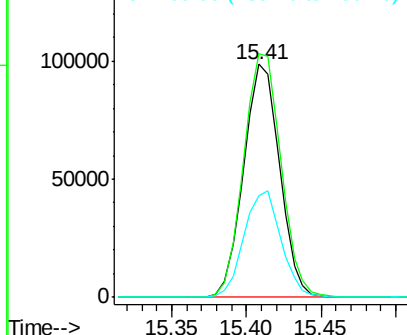
#38
Acenaphthene-d10
Concen: 20.000 ng
RT: 15.41 min Scan# 2063
Delta R.T. -0.02 min
Lab File: BG031948.D
Acq: 9 Jan 2018 16:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 164743
Ion Ratio Lower Upper
164 100
162 104.6 78.8 118.2
160 43.8 35.4 53.0

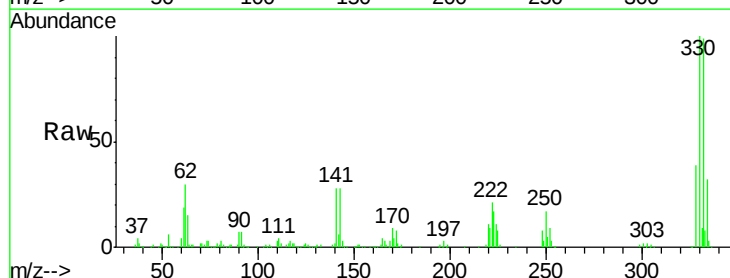


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

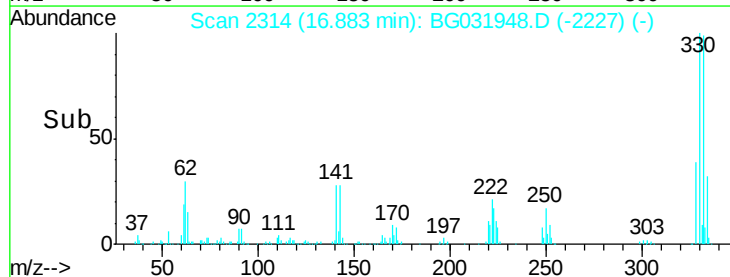
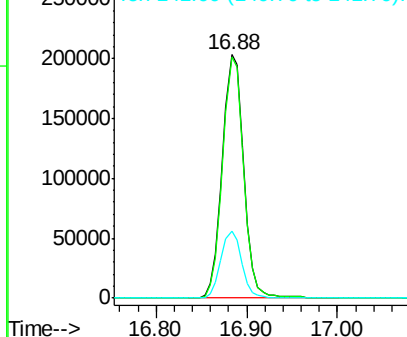


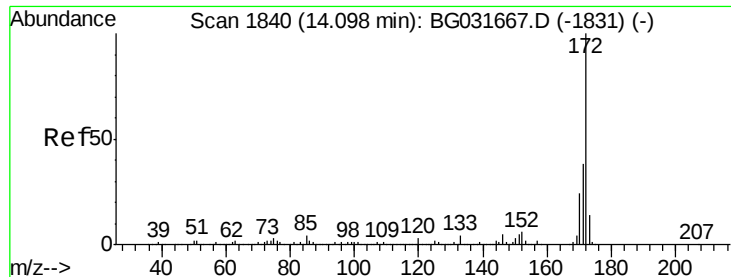
#41
2,4,6-Tribromophenol
Concen: 132.282 ng
RT: 16.88 min Scan# 2314
Delta R.T. -0.02 min
Lab File: BG031948.D
Acq: 9 Jan 2018 16:26

Tgt Ion:330 Resp: 332523
Ion Ratio Lower Upper
330 100
332 97.7 77.0 115.6
141 27.0 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

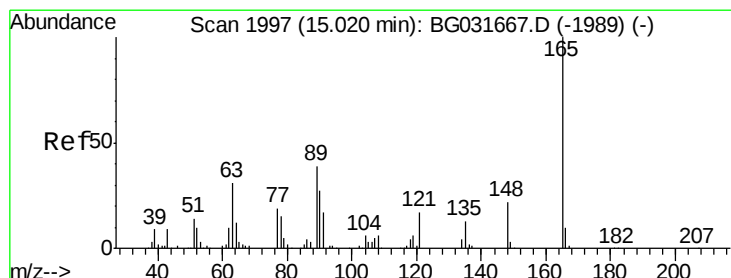
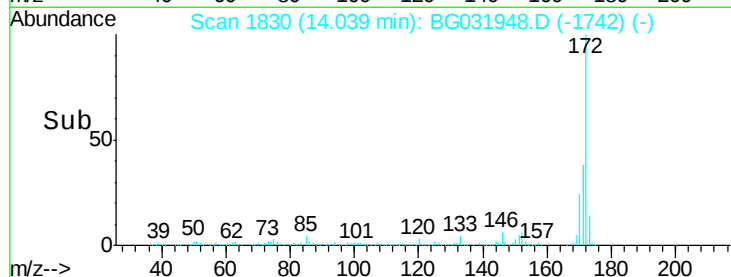
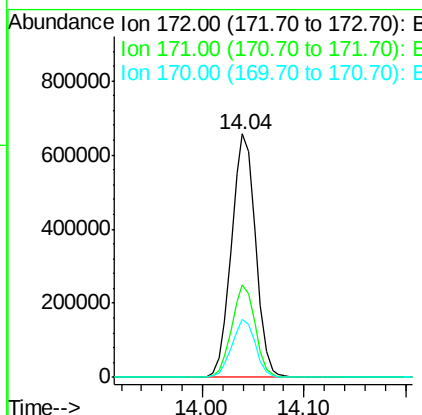
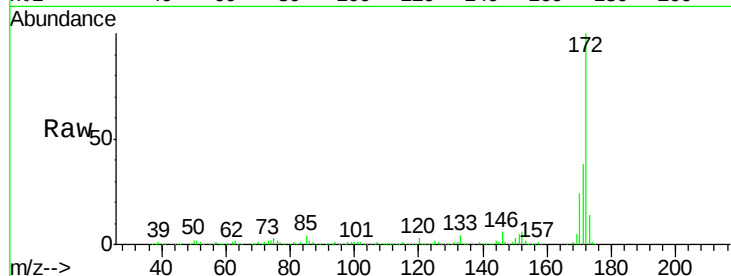




#44
 2-Fluorobiphenyl
 Concen: 82.183 ng
 RT: 14.04 min Scan# 1830
 Delta R.T. -0.01 min
 Lab File: BG031948.D
 Acq: 9 Jan 2018 16:26

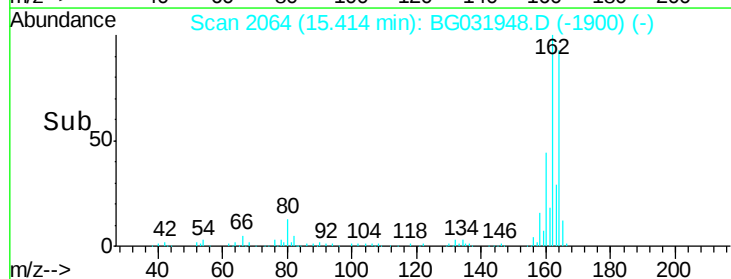
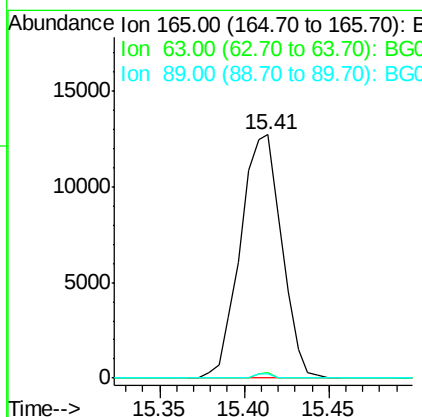
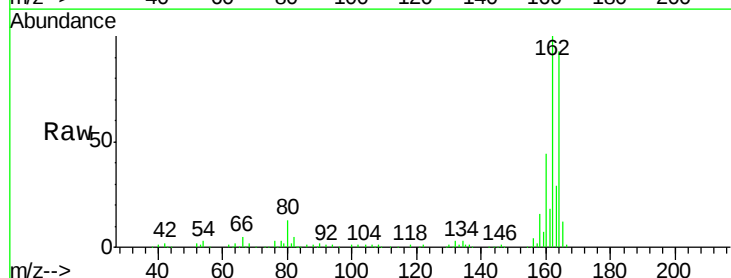
Instrument :
 BNA_G
 ClientSampleId :

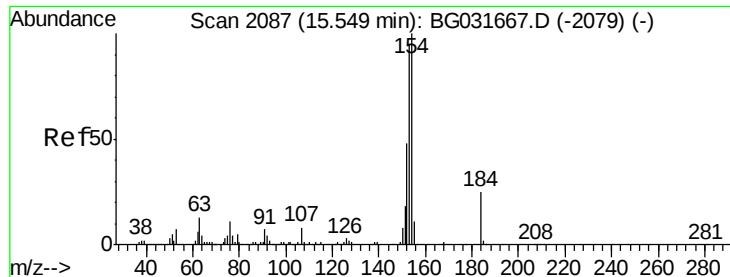
Tot Ion:172 Resp: 1078700
 Ion Ratio Lower Upper
 172 100
 171 37.8 30.0 45.0
 170 23.9 19.5 29.3



#50
 2,6-Dinitrotoluene
 Concen: 8.085 ng
 RT: 15.41 min Scan# 2064
 Delta R.T. 0.43 min
 Lab File: BG031948.D
 Acq: 9 Jan 2018 16:26

Tgt Ion:165 Resp: 21587
 Ion Ratio Lower Upper
 165 100
 63 2.1 52.7 79.1#
 89 1.9 49.2 73.8#

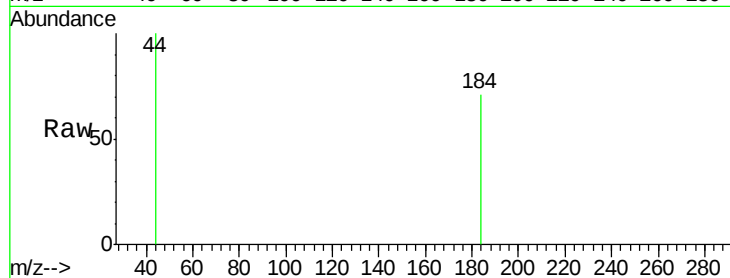




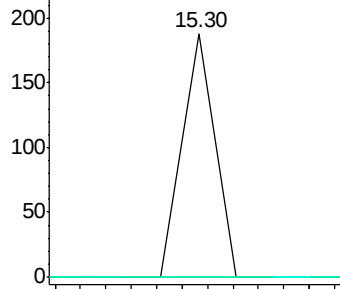
#53
2,4-Dinitrophenol
Concen: 7.686 ng
RT: 15.30 min Scan# 2045
Delta R.T. -0.21 min
Lab File: BG031948.D
Acq: 9 Jan 2018 16:26

Instrument :
BNA_G
ClientSampled :

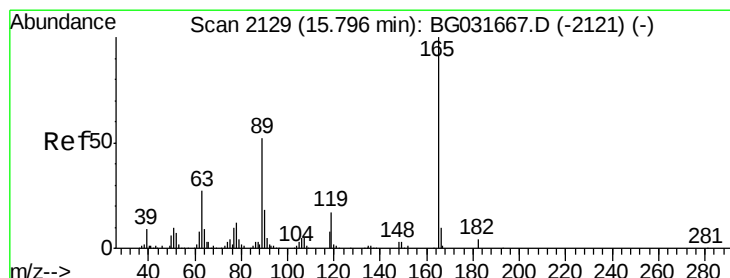
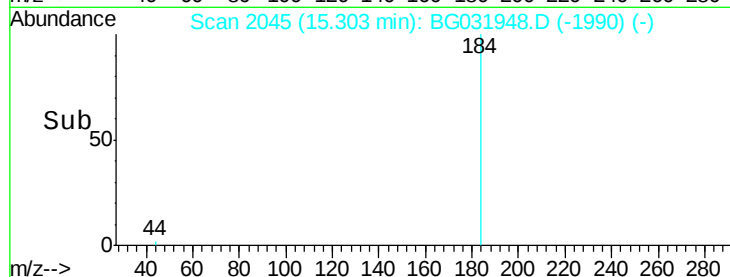
Tot Ion:184 Resp: 66
Ion Ratio Lower Upper
184 100
63 0.0 59.8 89.8#
154 0.0 101.8 152.8#



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

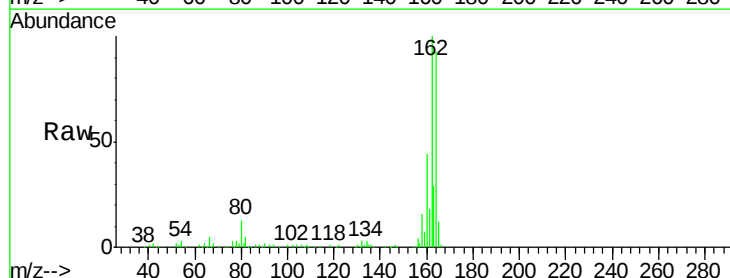


Time--> 15.28 15.30 15.32

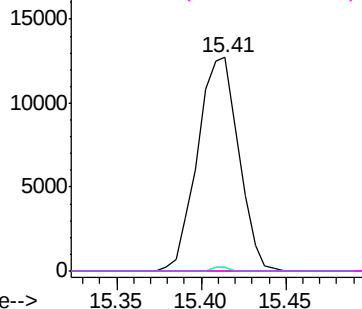


#56
2,4-Dinitrotoluene
Concen: 6.288 ng
RT: 15.41 min Scan# 2064
Delta R.T. -0.34 min
Lab File: BG031948.D
Acq: 9 Jan 2018 16:26

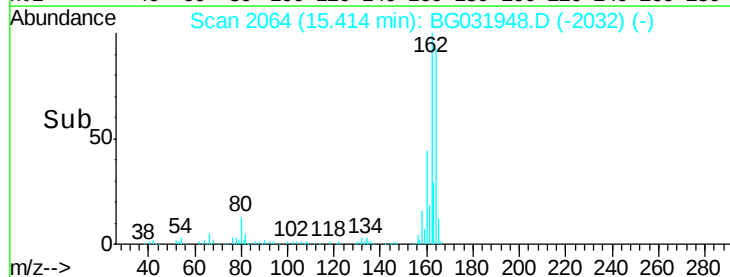
Tgt Ion:165 Resp: 21587
Ion Ratio Lower Upper
165 100
63 2.1 42.0 63.0#
89 1.9 66.9 100.3#
182 0.0 2.6 3.8#

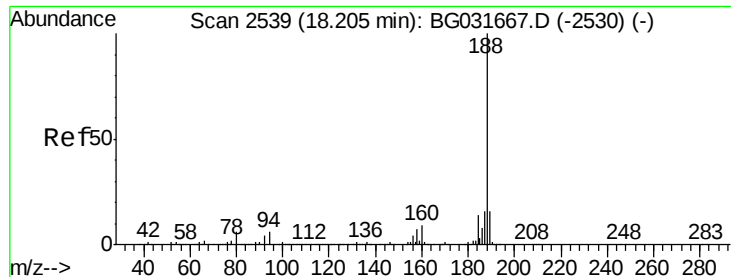


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E



Time--> 15.35 15.40 15.45

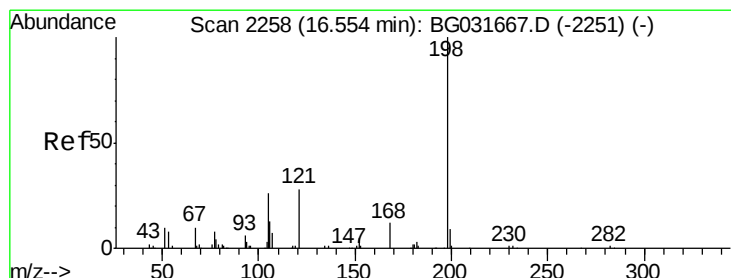
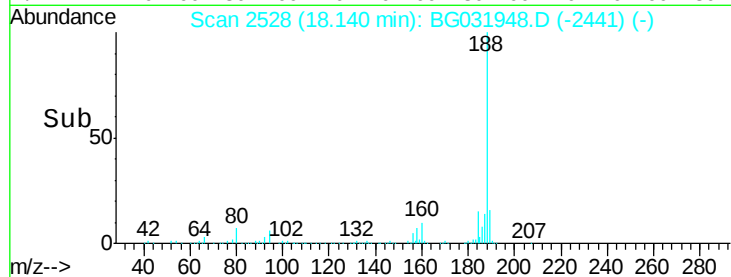
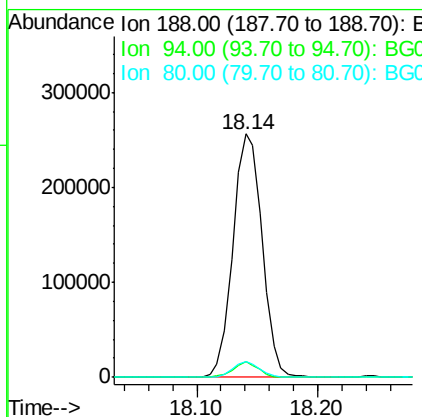
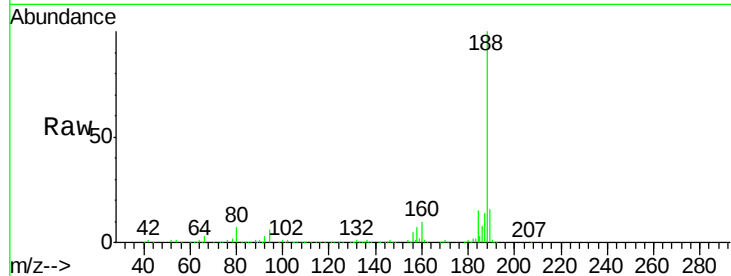




#63
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 18.14 min Scan# 2528
 Delta R.T. -0.02 min
 Lab File: BG031948.D
 Acq: 9 Jan 2018 16:26

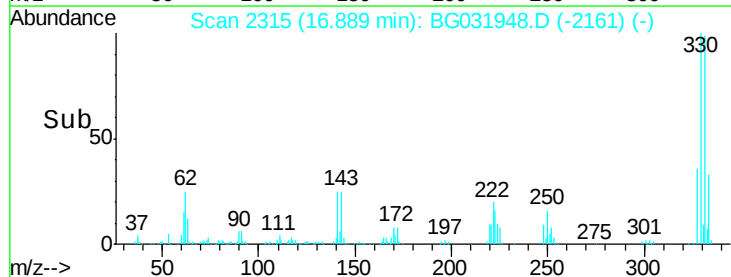
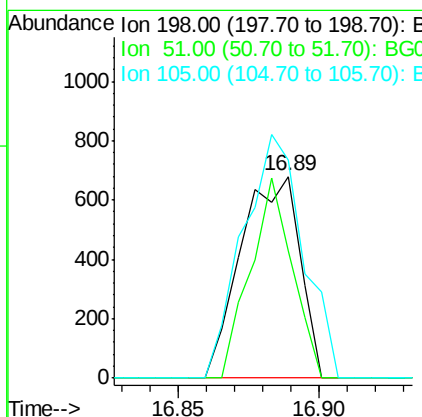
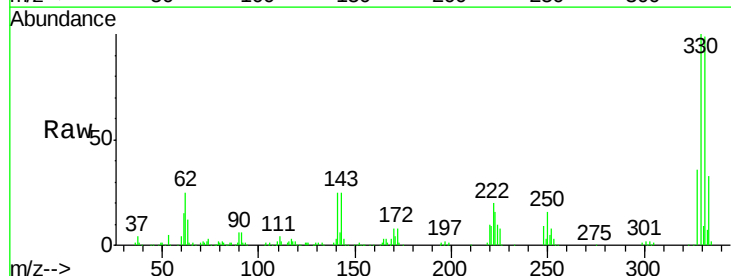
Instrument :
 BNA_G
 ClientSampleId :

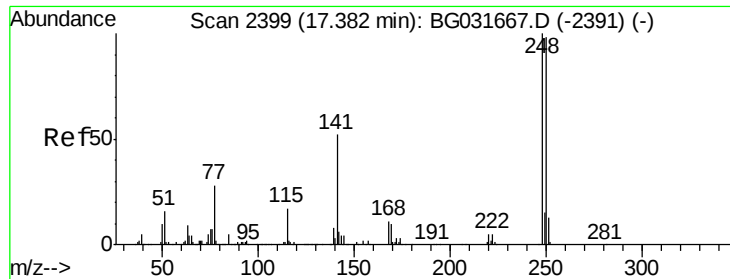
Tot Ion:188 Resp: 430130
 Ion Ratio Lower Upper
 188 100
 94 6.2 6.9 10.3#
 80 6.7 7.7 11.5#



#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.695 ng
 RT: 16.89 min Scan# 2315
 Delta R.T. 0.37 min
 Lab File: BG031948.D
 Acq: 9 Jan 2018 16:26

Tgt Ion:198 Resp: 985
 Ion Ratio Lower Upper
 198 100
 51 63.1 30.6 70.6
 105 107.8 23.8 63.8#

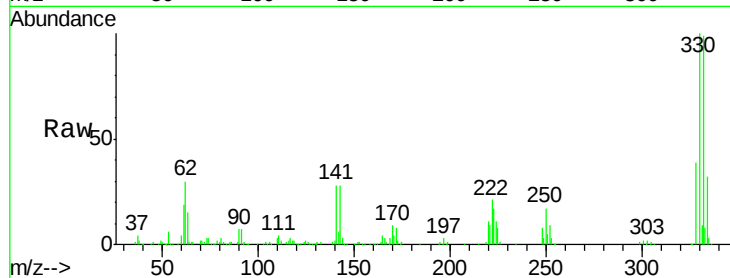




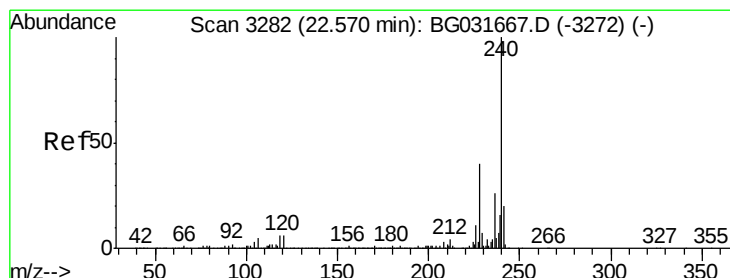
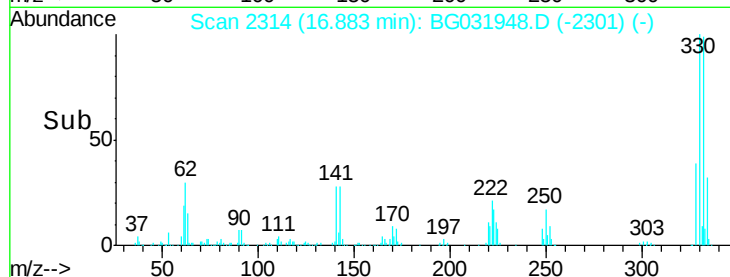
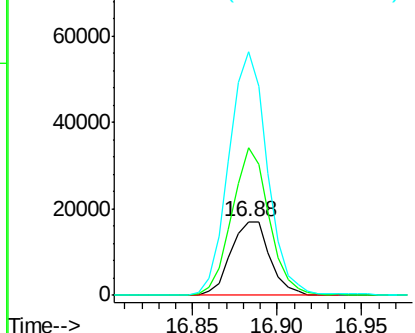
#66
4-Bromophenyl-phenylether
Concen: 4.438 ng
RT: 16.88 min Scan# 2314
Delta R.T. -0.45 min
Lab File: BG031948.D
Acq: 9 Jan 2018 16:26

Instrument :
BNA_G
ClientSampleId :

Tot Ion:248 Resp: 27607
Ion Ratio Lower Upper
248 100
250 199.5 77.1 115.7#
141 330.3 50.8 76.2#

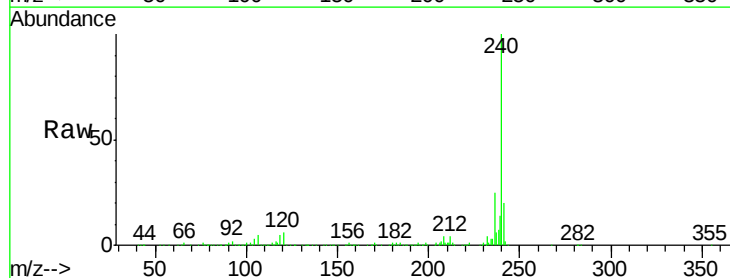


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

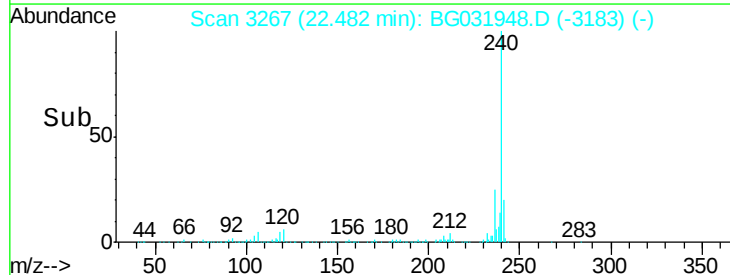
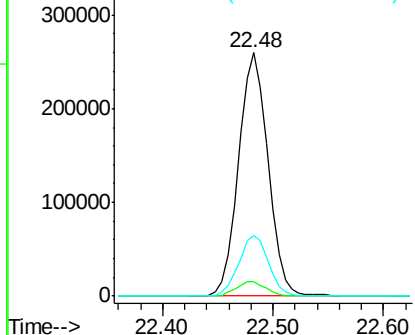


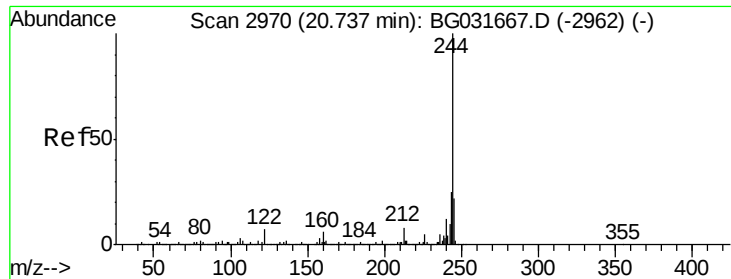
#75
Chrysene-d12
Concen: 20.000 ng
RT: 22.48 min Scan# 3267
Delta R.T. -0.04 min
Lab File: BG031948.D
Acq: 9 Jan 2018 16:26

Tgt Ion:240 Resp: 488432
Ion Ratio Lower Upper
240 100
120 5.7 6.8 10.2#
236 24.9 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: 84.819 ng

RT: 20.68 min Scan# 2960

Delta R.T. -0.02 min

Lab File: BG031948.D

Acq: 9 Jan 2018 16:26

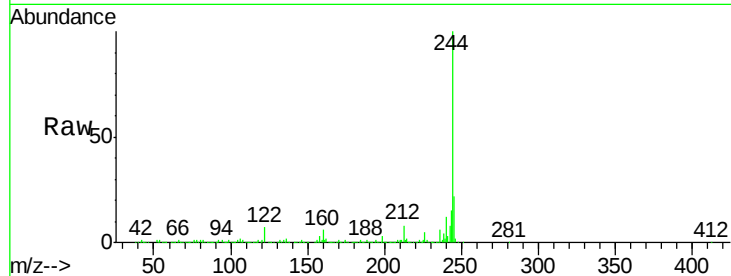
Instrument :

BNA_G

ClientSampleId :

Tot Ion:244 Resp: 1813327

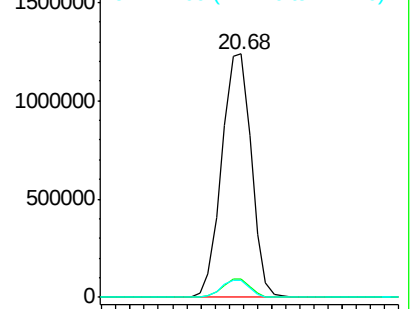
Ion	Ratio	Lower	Upper
244	100		
212	7.8	5.8	8.8
122	7.0	7.0	10.4



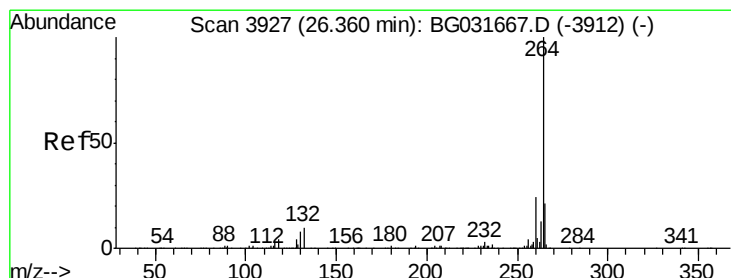
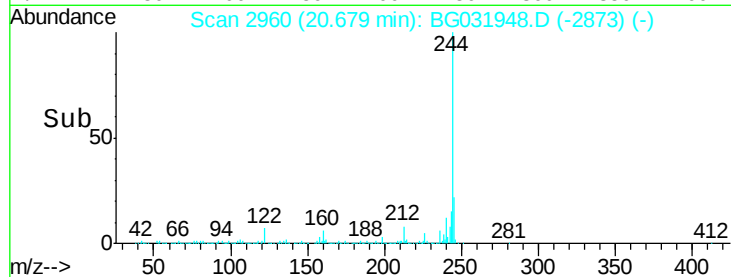
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#86

Perylene-d12

Concen: 20.000 ng

RT: 26.21 min Scan# 3901

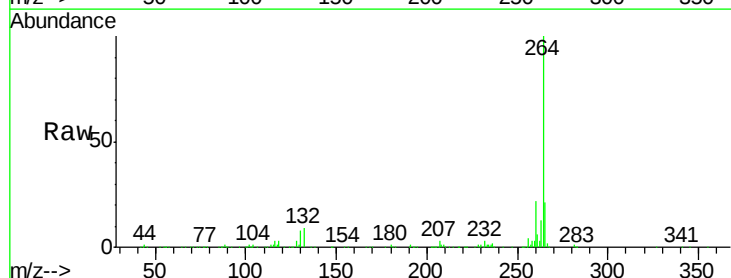
Delta R.T. -0.09 min

Lab File: BG031948.D

Acq: 9 Jan 2018 16:26

Tgt Ion:264 Resp: 485815

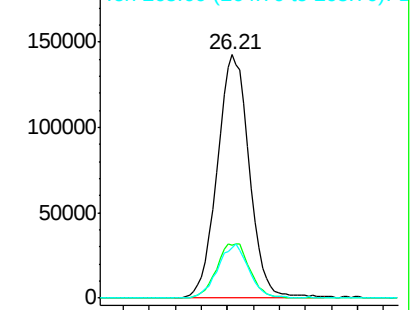
Ion	Ratio	Lower	Upper
264	100		
260	21.8	17.4	26.0
265	20.9	17.7	26.5



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



Time-->

