

Data File : BG044004.D
Acq On : 10 Jan 2020 16:14
Operator : JU
Sample : L1070-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
RBR-200030

Quant Time: Jan 11 04:15:00 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Dec 31 13:32:23 2019
Response via : Initial Calibration

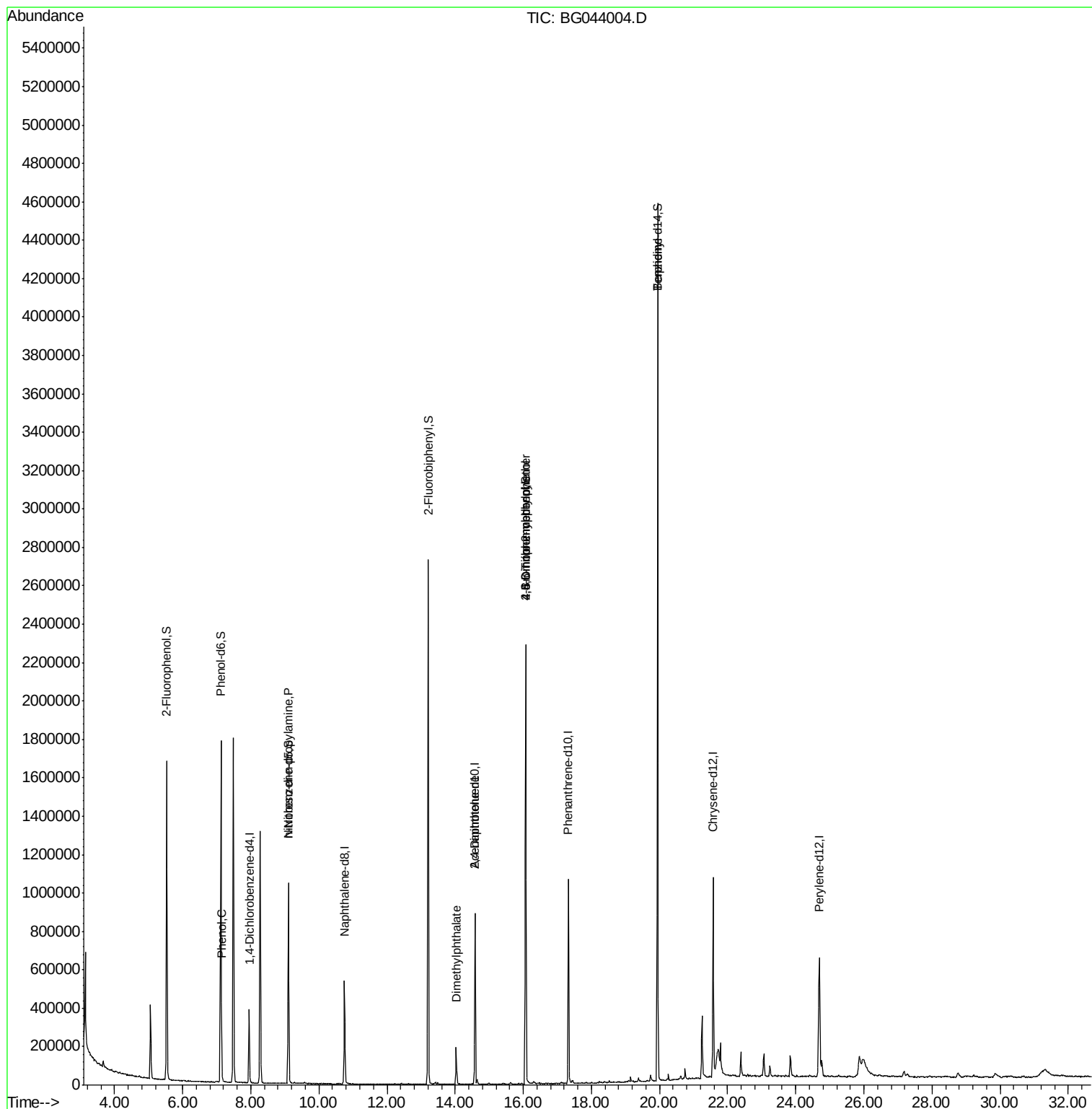
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	115360	20.00	ng	0.00
21) Naphthalene-d8	10.75	136	484421	20.00	ng	-0.02
39) Acenaphthene-d10	14.58	164	315497	20.00	ng	-0.02
64) Phenanthrene-d10	17.33	188	667136	20.00	ng	0.00
76) Chrysene-d12	21.57	240	578393	20.00	ng	-0.02
87) Perylene-d12	24.69	264	636823	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	798013	127.02	ng	0.00
7) Phenol-d6	7.12	99	1117579	127.25	ng	0.00
23) Nitrobenzene-d5	9.11	82	654590	72.29	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	413428	125.22	ng	-0.02
45) 2-Fluorobiphenyl	13.21	172	1445644	83.02	ng	-0.02
79) Terphenyl-d14	19.94	244	2046646	85.43	ng	-0.02
Target Compounds						
10) Phenol	7.14	94	31156	3.443	ng	95
19) n-Nitroso-di-n-propylamine	9.11	70	85192	13.026	ng	# 78
50) Dimethylphthalate	14.04	163	144310	6.442	ng	98
57) 2,4-Dinitrotoluene	14.58	165	41546	6.030	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.06	198	1077	4.674	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	30292	4.037	ng	# 1
77) Benzidine	19.94	184	38491	2.648	ng	# 90

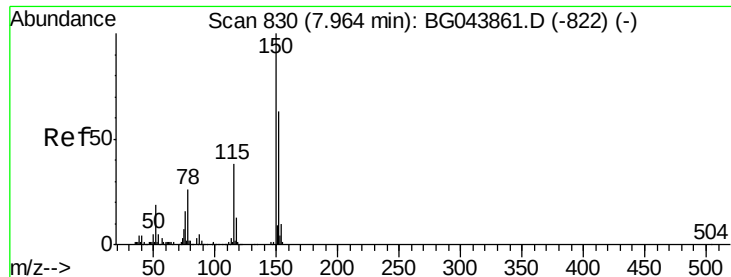
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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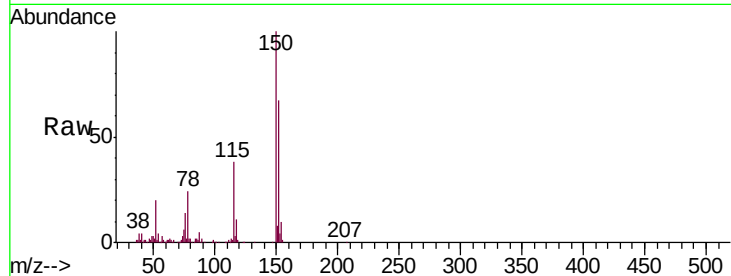


#1

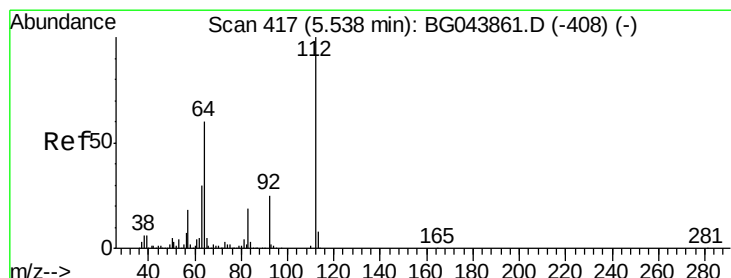
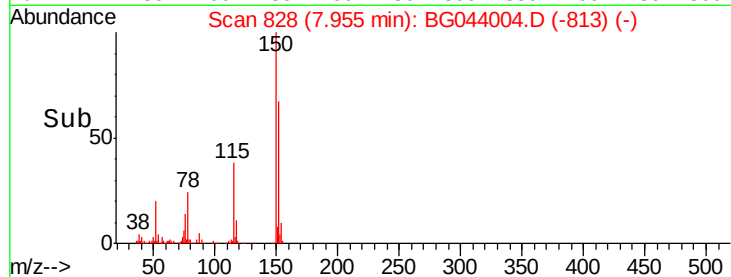
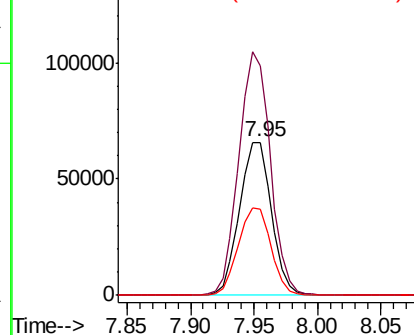
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG044004.D
Acq: 10 Jan 2020 16:14

Instrument :
BNA_G
ClientSampleId :
RBR-200030

Tgt Ion	Ratio	Lower	Upper
152	100		
150	149.9	127.0	190.4
115	56.6	47.8	71.8



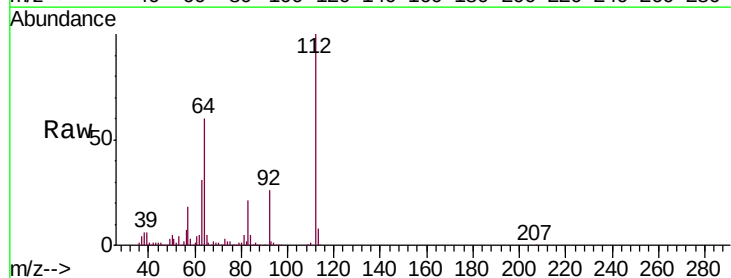
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



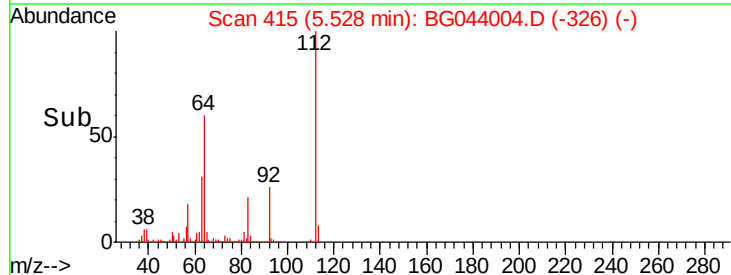
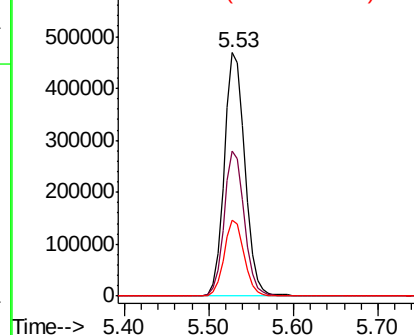
#5

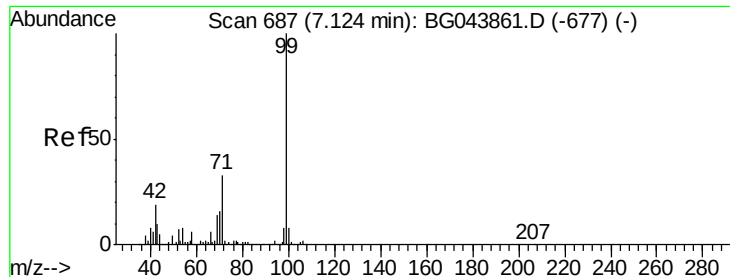
2-Fluorophenol
Concen: 127.015 ng
RT: 5.53 min Scan# 415
Delta R.T. -0.01 min
Lab File: BG044004.D
Acq: 10 Jan 2020 16:14

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.8	47.8	71.6
63	31.1	24.3	36.5



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: 127.255 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.00 min

Lab File: BG044004.D

Acq: 10 Jan 2020 16:14

Instrument :

BNA_G

ClientSampleId :

RBR-200030

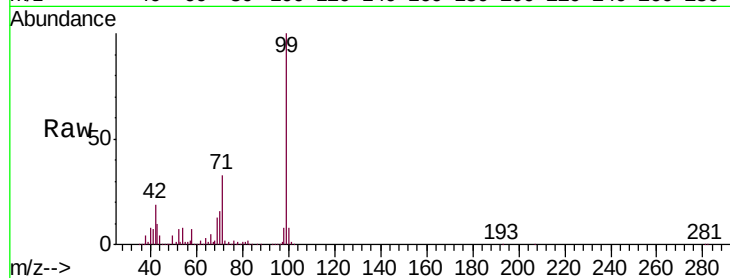
Tgt Ion: 99 Resp: 1117579

Ion Ratio Lower Upper

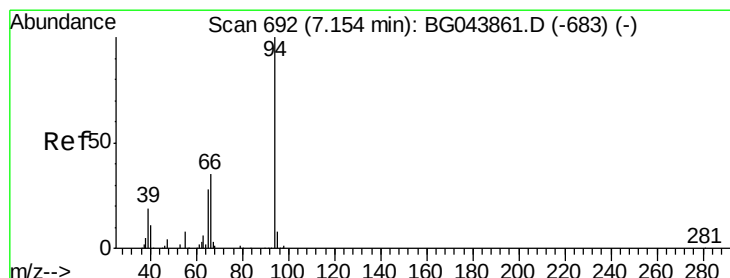
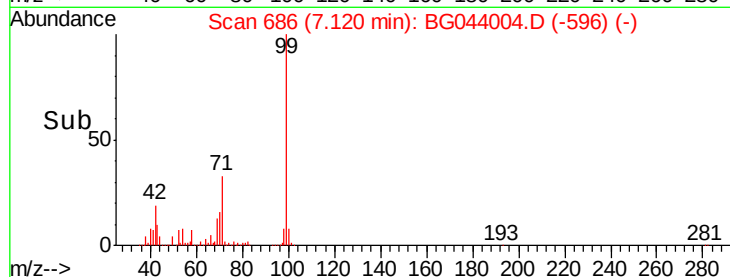
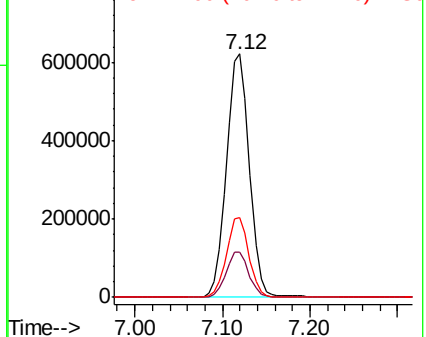
99 100

42 18.6 14.9 22.3

71 32.8 26.4 39.6



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



#10

Phenol

Concen: 3.443 ng

RT: 7.14 min Scan# 690

Delta R.T. -0.01 min

Lab File: BG044004.D

Acq: 10 Jan 2020 16:14

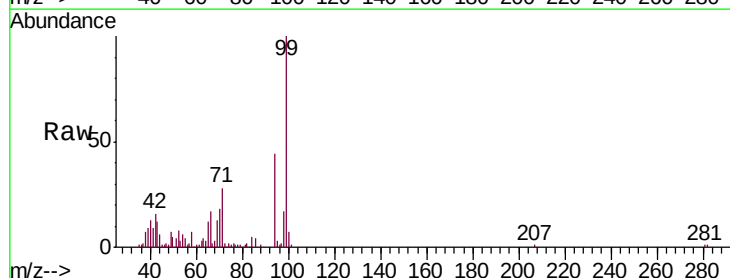
Tgt Ion: 94 Resp: 31156

Ion Ratio Lower Upper

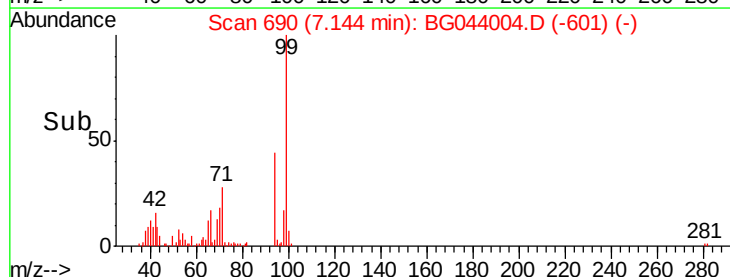
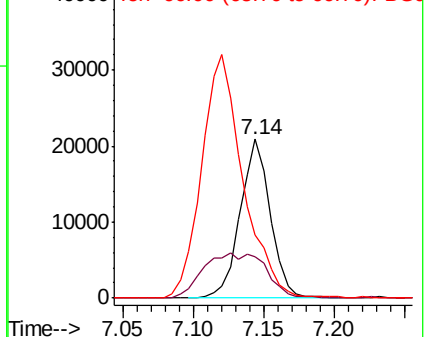
94 100

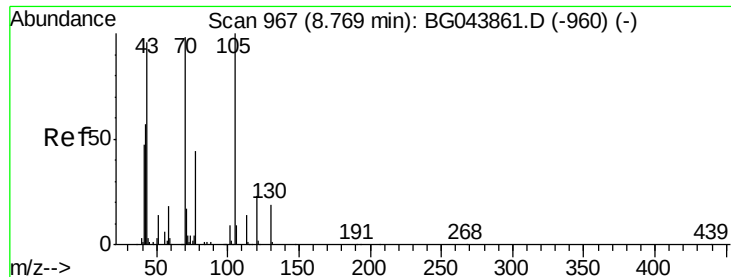
65 26.2 8.1 48.1

66 39.6 15.6 55.6



Abundance Ion 94.00 (93.70 to 94.70): BGC
Ion 65.00 (64.70 to 65.70): BGC
Ion 66.00 (65.70 to 66.70): BGC

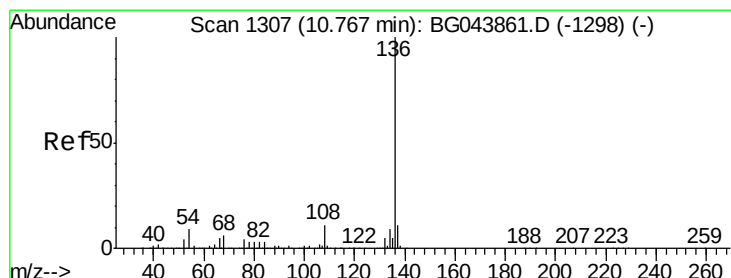
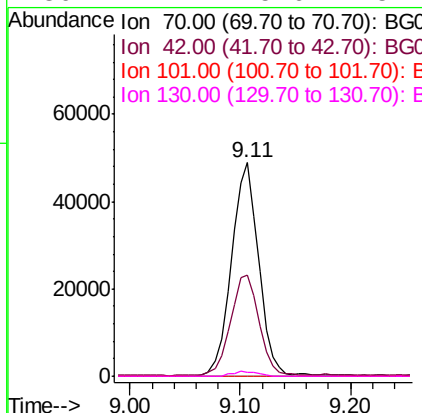
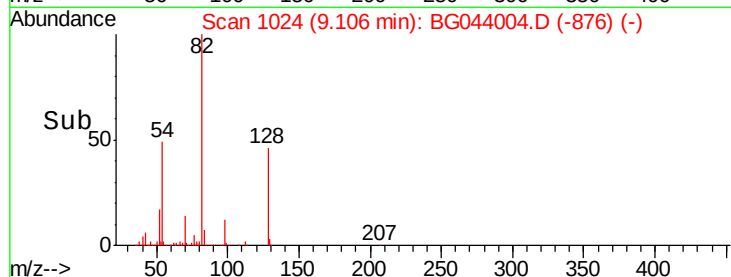
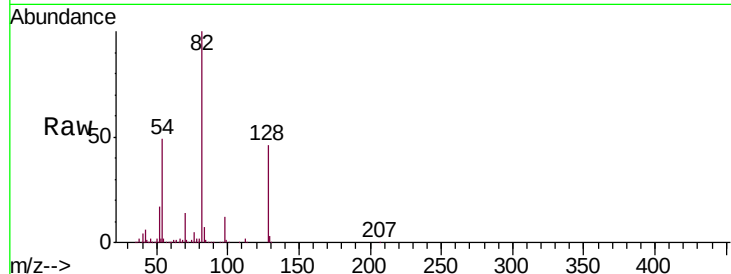




#19
n-Nitroso-di-n-propylamine
Concen: 13.026 ng
RT: 9.11 min Scan# 1024
Delta R.T. 0.34 min
Lab File: BG044004.D
Acq: 10 Jan 2020 16:14

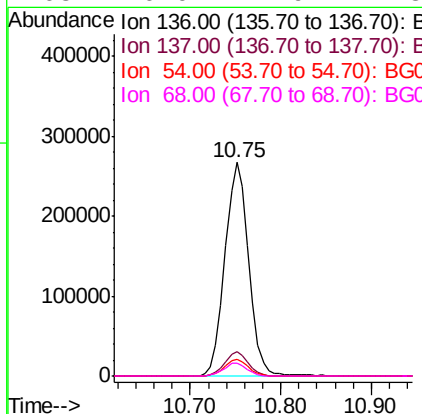
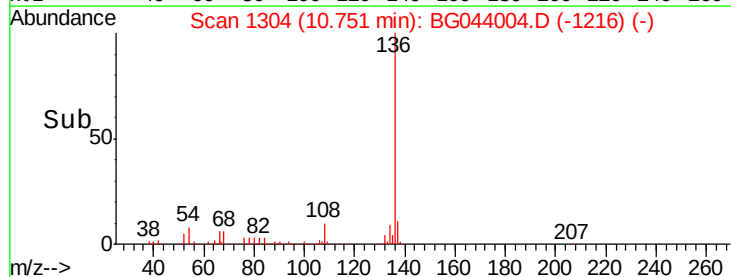
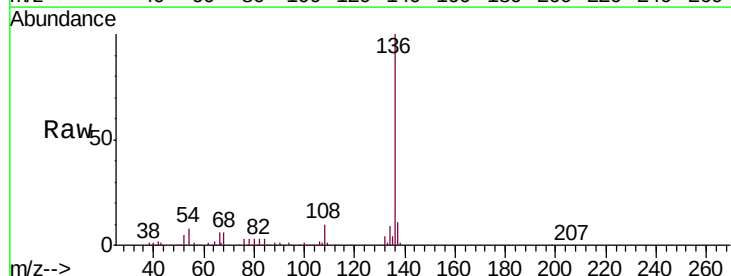
Instrument :
BNA_G
ClientSampleId :
RBR-200030

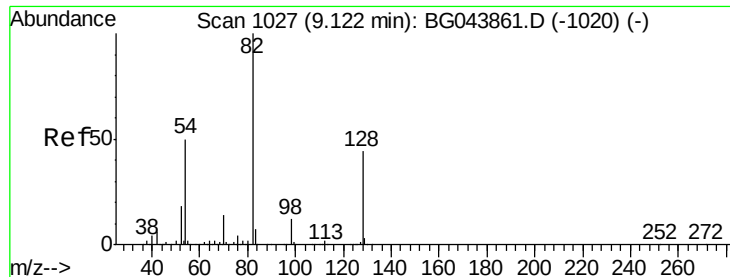
Tgt Ion: 70 Resp: 85192
Ion Ratio Lower Upper
70 100
42 47.2 47.0 70.4
101 0.0 7.2 10.8#
130 1.7 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.75 min Scan# 1304
Delta R.T. -0.02 min
Lab File: BG044004.D
Acq: 10 Jan 2020 16:14

Tgt Ion: 136 Resp: 484421
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 7.7 7.0 10.4
68 6.0 4.9 7.3

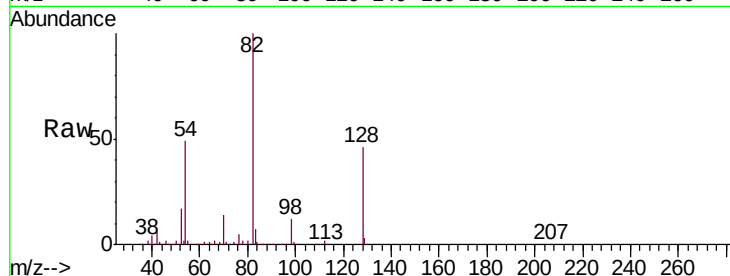




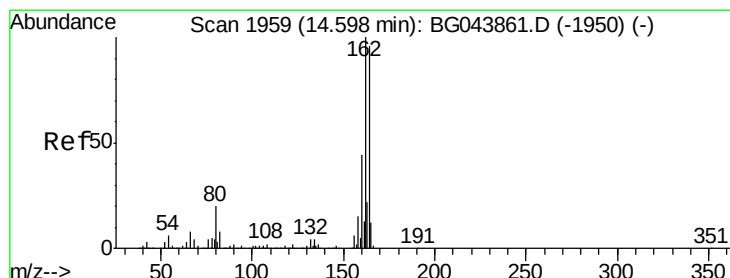
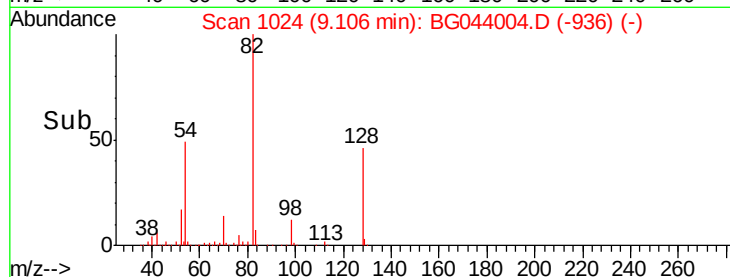
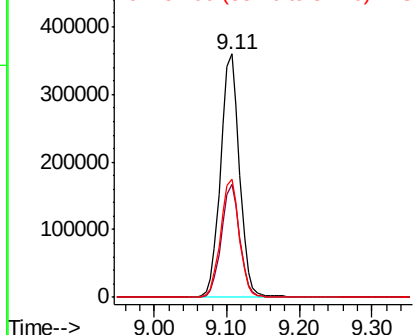
#23
Nitrobenzene-d5
Concen: 72.288 ng
RT: 9.11 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG044004.D
Acq: 10 Jan 2020 16:14

Instrument :
BNA_G
ClientSampleId :
RBR-200030

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.4	35.1	52.7
54	48.8	40.1	60.1

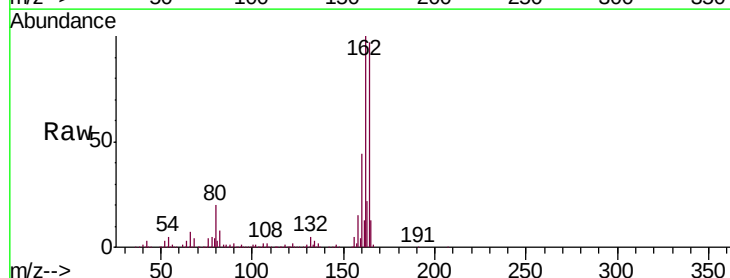


Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): BGC
Ion 54.00 (53.70 to 54.70): BGC

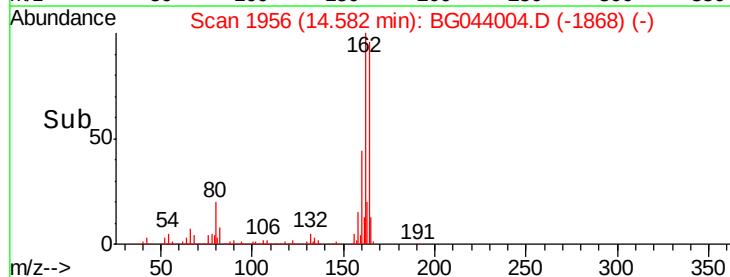
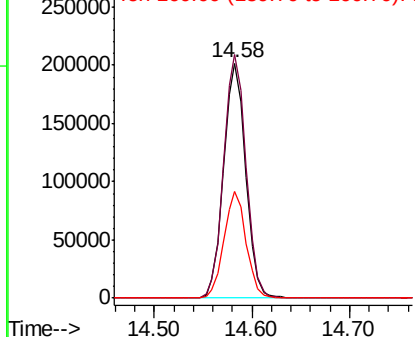


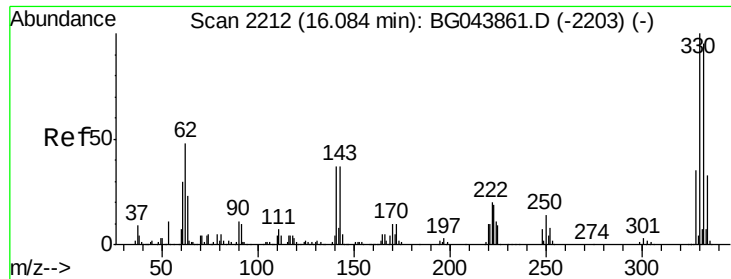
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.58 min Scan# 1956
Delta R.T. -0.02 min
Lab File: BG044004.D
Acq: 10 Jan 2020 16:14

Tgt Ion	Ratio	Lower	Upper
164	100		
162	103.6	83.0	124.4
160	45.1	36.1	54.1



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

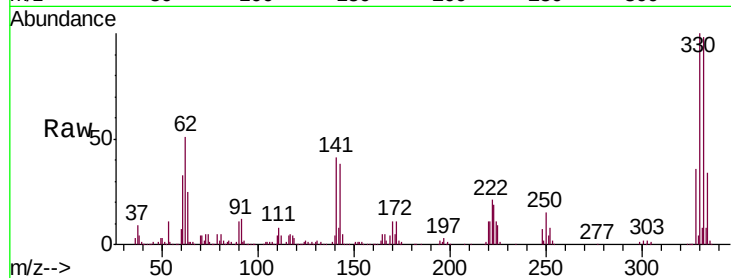




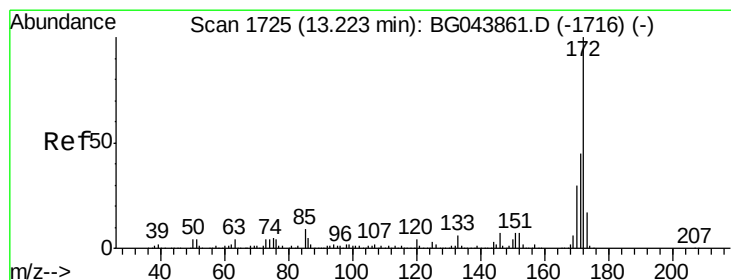
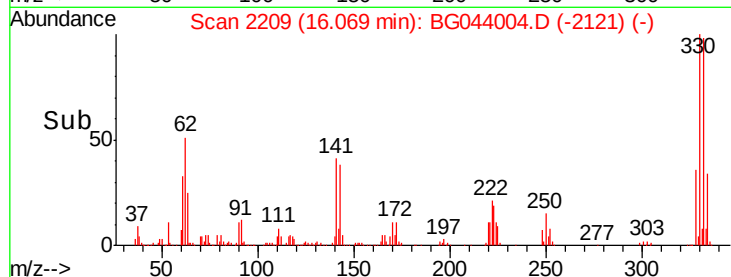
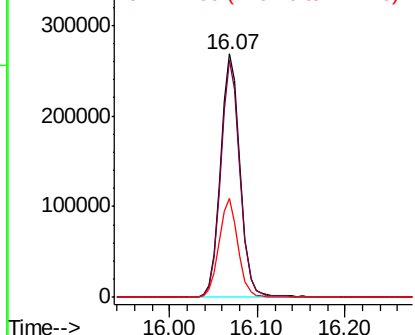
#42
 2,4,6-Tribromophenol
 Concen: 125.220 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.02 min
 Lab File: BG044004.D
 Acq: 10 Jan 2020 16:14

Instrument :
 BNA_G
 ClientSampleId :
 RBR-200030

Tgt Ion:330 Resp: 413428
 Ion Ratio Lower Upper
 330 100
 332 96.4 77.2 115.8
 141 39.4 33.1 49.7

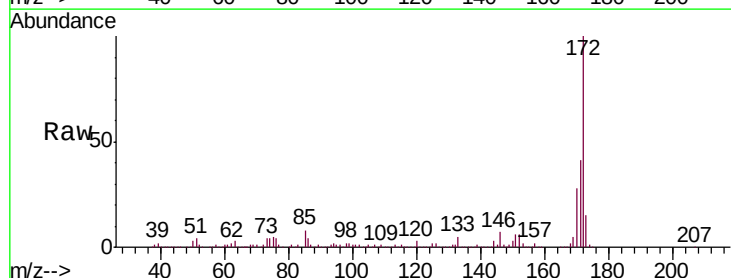


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

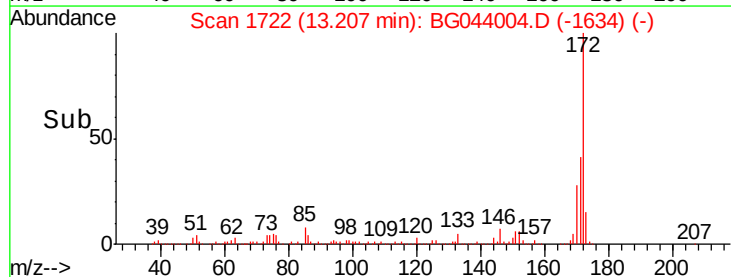
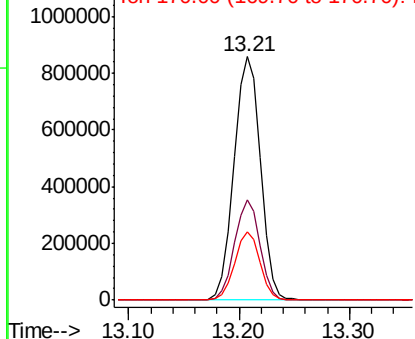


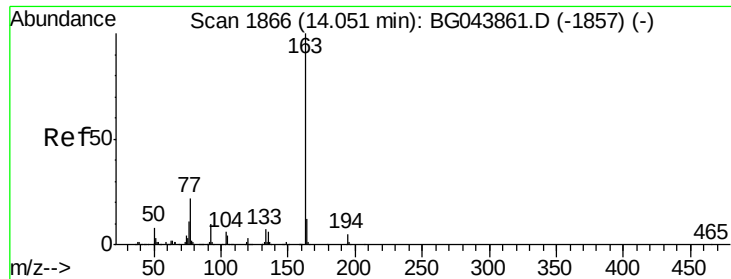
#45
 2-Fluorobiphenyl
 Concen: 83.017 ng
 RT: 13.21 min Scan# 1722
 Delta R.T. -0.02 min
 Lab File: BG044004.D
 Acq: 10 Jan 2020 16:14

Tgt Ion:172 Resp: 1445644
 Ion Ratio Lower Upper
 172 100
 171 41.2 35.8 53.8
 170 27.9 24.2 36.4



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





#50

Dimethylphthalate

Concen: 6.442 ng

RT: 14.04 min Scan# 1863

Delta R.T. -0.02 min

Lab File: BG044004.D

Acq: 10 Jan 2020 16:14

Instrument :

BNA_G

ClientSampleId :

RBR-200030

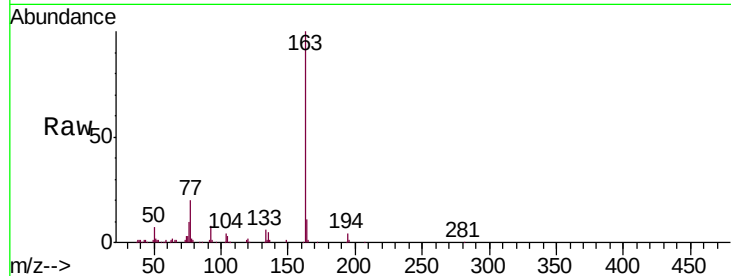
Tgt Ion:163 Resp: 144310

Ion Ratio Lower Upper

163 100

194 4.2 3.7 5.5

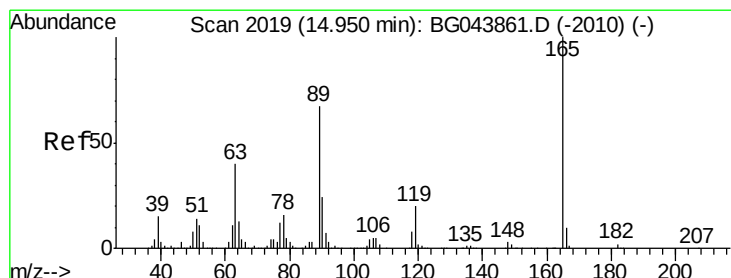
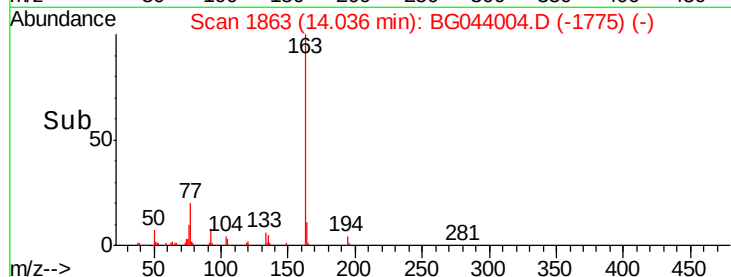
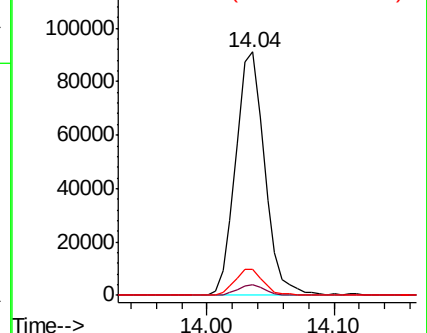
164 10.9 9.3 13.9



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



#57

2,4-Dinitrotoluene

Concen: 6.030 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.37 min

Lab File: BG044004.D

Acq: 10 Jan 2020 16:14

Tgt Ion:165 Resp: 41546

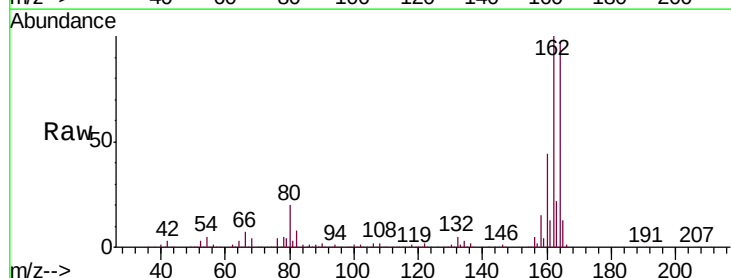
Ion Ratio Lower Upper

165 100

63 1.1 31.9 47.9#

89 1.7 53.8 80.6#

182 0.0 2.0 3.0#

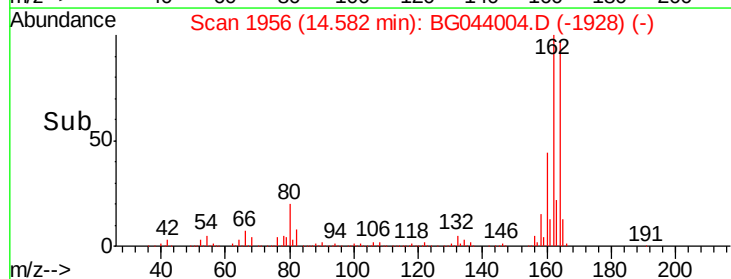
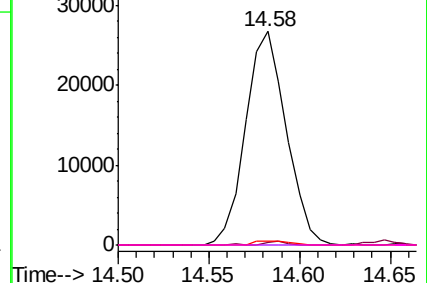


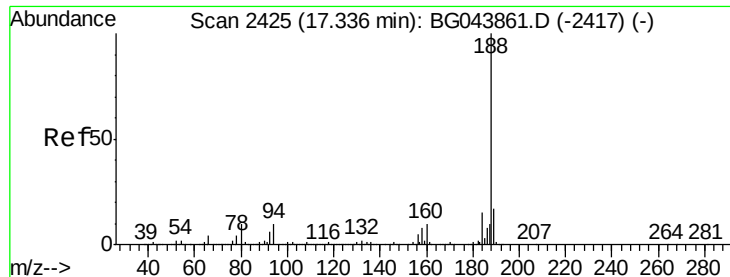
Abundance Ion 165.00 (164.70 to 165.70): E

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





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.33 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG044004.D

Acq: 10 Jan 2020 16:14

Instrument :

BNA_G

ClientSampleId :

RBR-200030

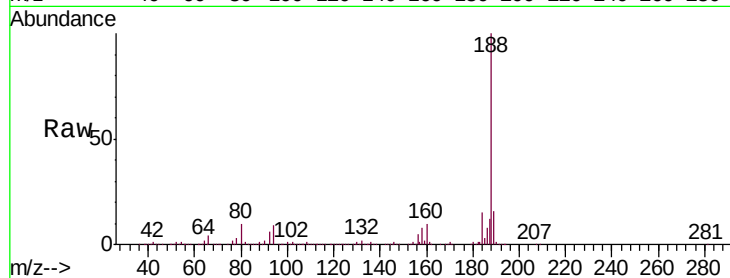
Tgt Ion:188 Resp: 667136

Ion Ratio Lower Upper

188 100

94 8.9 7.9 11.9

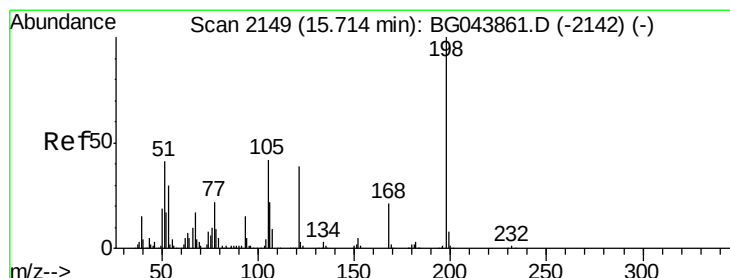
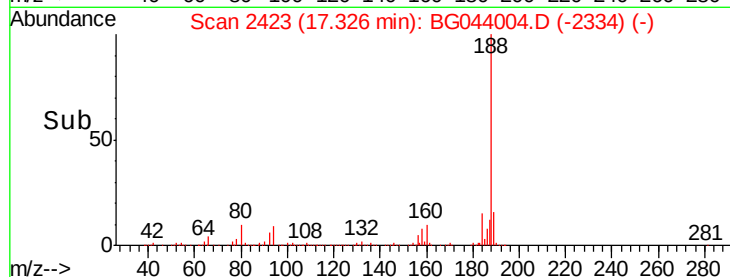
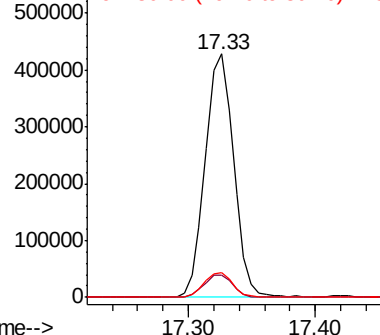
80 10.1 8.2 12.4



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



#65

4,6-Dinitro-2-methylphenol

Concen: 4.674 ng

RT: 16.06 min Scan# 2208

Delta R.T. 0.35 min

Lab File: BG044004.D

Acq: 10 Jan 2020 16:14

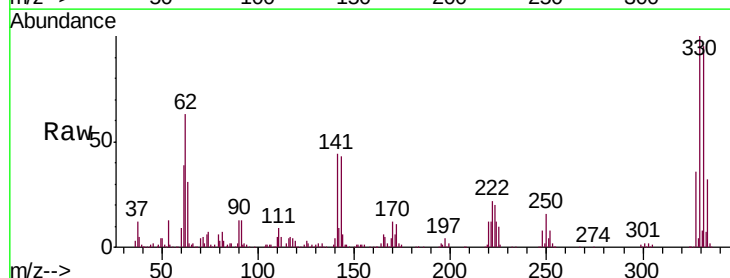
Tgt Ion:198 Resp: 1077

Ion Ratio Lower Upper

198 100

51 155.5 22.5 62.5#

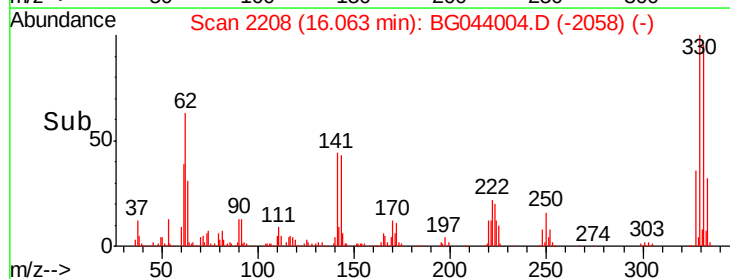
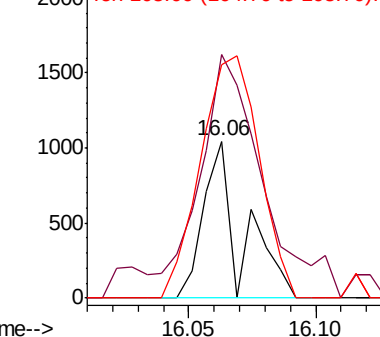
105 148.9 22.3 62.3#

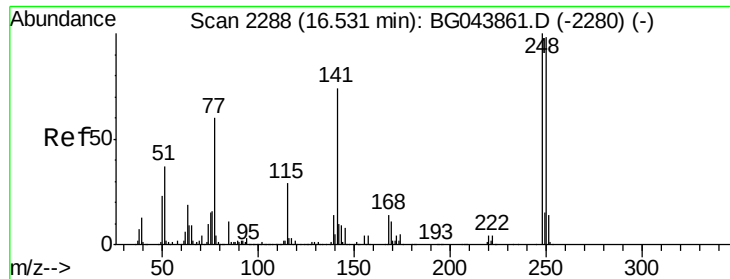


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

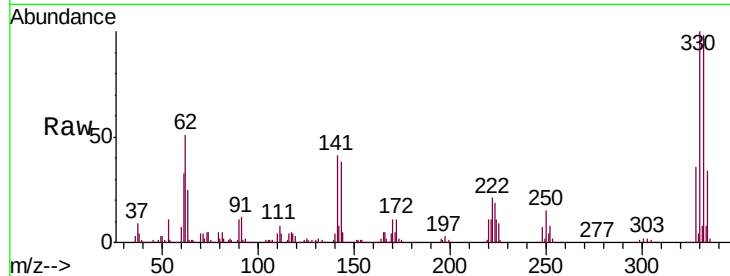




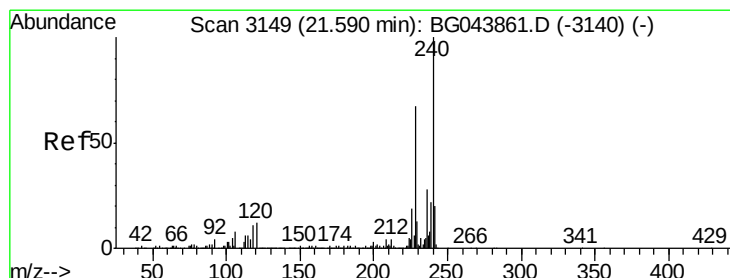
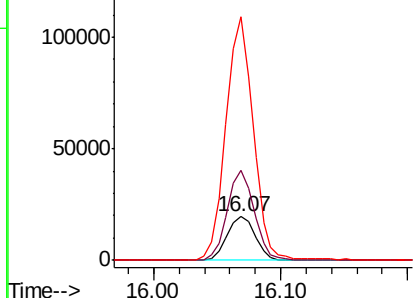
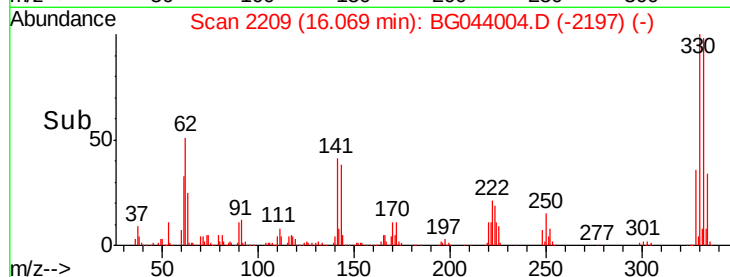
#67
 4-Bromophenyl-phenylether
 Concen: 4.037 ng
 RT: 16.07 min Scan# 2209
 Delta R.T. -0.46 min
 Lab File: BG044004.D
 Acq: 10 Jan 2020 16:14

Instrument :
 BNA_G
 ClientSampleId :
 RBR-200030

Tgt Ion:248 Resp: 30292
 Ion Ratio Lower Upper
 248 100
 250 207.4 78.2 117.2#
 141 557.9 59.3 88.9#

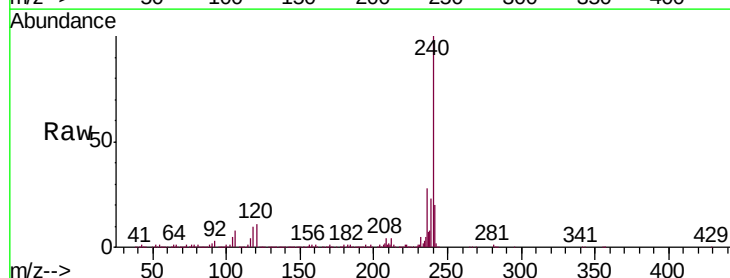


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

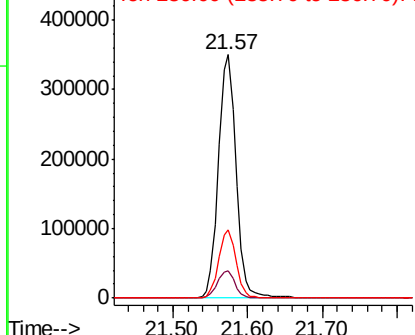
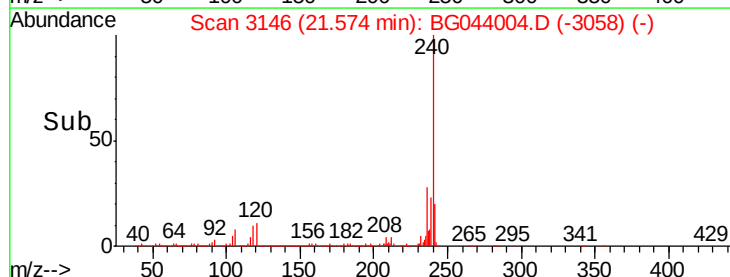


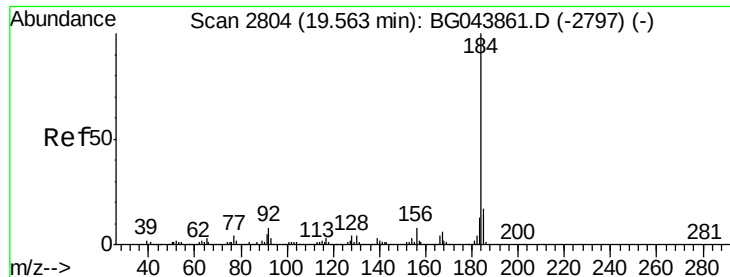
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. -0.02 min
 Lab File: BG044004.D
 Acq: 10 Jan 2020 16:14

Tgt Ion:240 Resp: 578393
 Ion Ratio Lower Upper
 240 100
 120 11.1 9.6 14.4
 236 28.0 22.2 33.2



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





#77

Benzidine

Concen: 2.648 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG044004.D

Acq: 10 Jan 2020 16:14

Instrument :

BNA_G

ClientSampleId :

RBR-200030

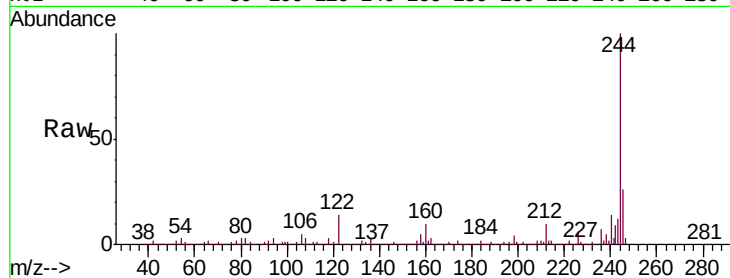
Tgt Ion:184 Resp: 38491

Ion Ratio Lower Upper

184 100

185 14.2 13.4 20.0

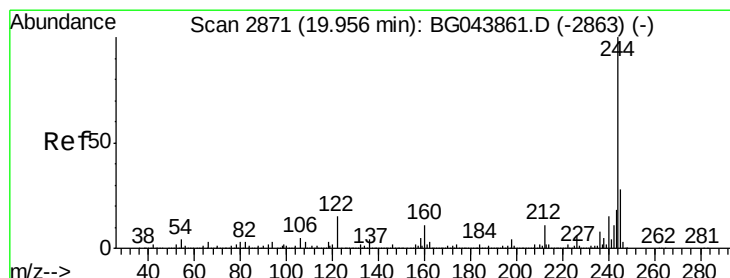
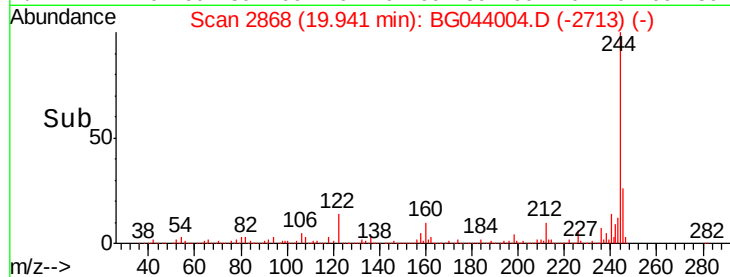
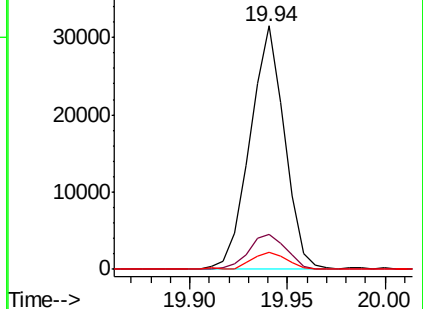
183 6.8 10.6 15.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#79

Terphenyl-d14

Concen: 85.429 ng

RT: 19.94 min Scan# 2868

Delta R.T. -0.02 min

Lab File: BG044004.D

Acq: 10 Jan 2020 16:14

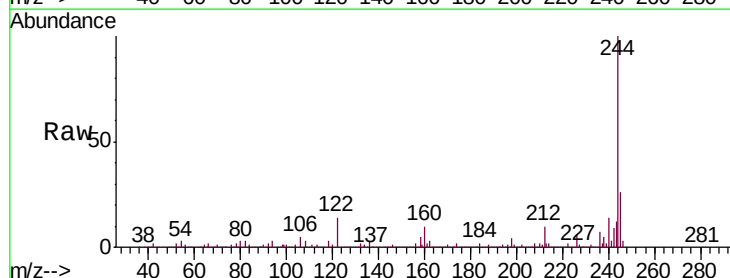
Tgt Ion:244 Resp: 2046646

Ion Ratio Lower Upper

244 100

212 9.9 8.6 13.0

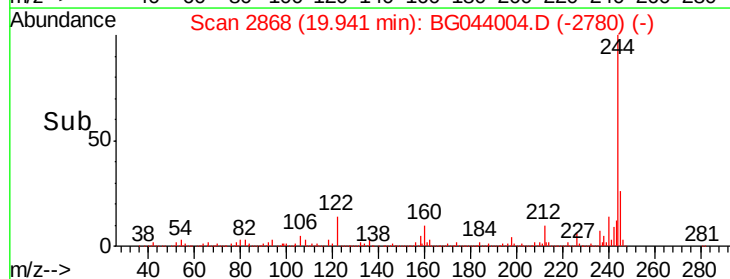
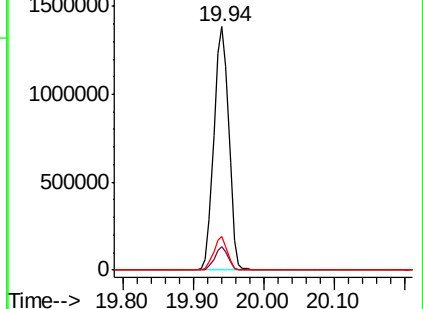
122 13.9 11.9 17.9

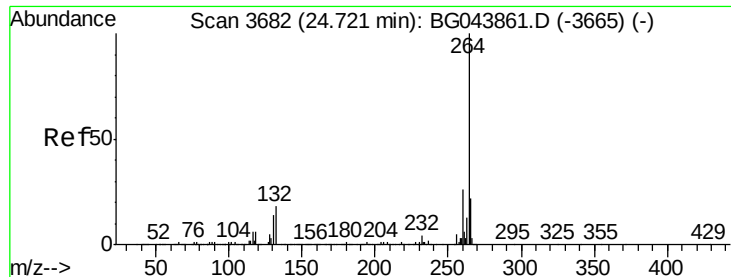


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#87
Perylene-d12
Concen: 20.000 ng
RT: 24.69 min Scan# 3677
Delta R.T. -0.03 min
Lab File: BG044004.D
Acq: 10 Jan 2020 16:14

Instrument :
BNA_G
ClientSampleId :
RBR-200030

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	20.4	30.6
265	21.4	17.4	26.2

