

Data File : BG043984.D
Acq On : 9 Jan 2020 3:13
Operator : JU
Sample : K6456-04
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-04

Quant Time: Jan 09 06:17:58 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

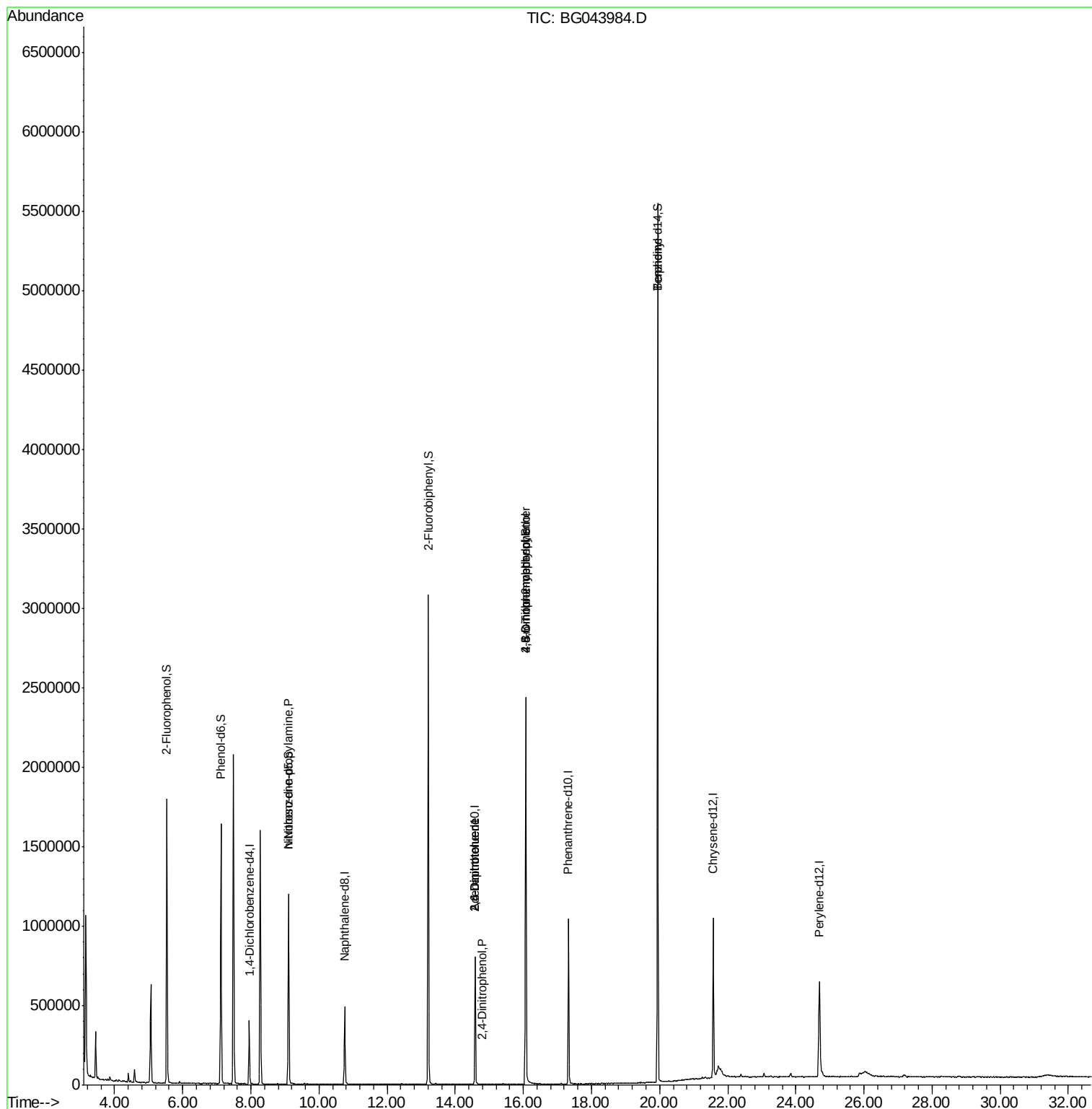
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.95	152	117102	20.00	ng	-0.01
21) Naphthalene-d8	10.76	136	464953	20.00	ng	-0.01
39) Acenaphthene-d10	14.59	164	298510	20.00	ng	-0.01
64) Phenanthrene-d10	17.32	188	666417	20.00	ng	-0.01
76) Chrysene-d12	21.57	240	583232	20.00	ng	-0.02
87) Perylene-d12	24.69	264	628926	20.00	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	841541	131.95	ng	0.00
7) Phenol-d6	7.12	99	1026735	115.17	ng	0.00
23) Nitrobenzene-d5	9.10	82	779629	89.70	ng	-0.02
42) 2,4,6-Tribromophenol	16.07	330	478301	153.11	ng	-0.01
45) 2-Fluorobiphenyl	13.21	172	1644501	99.81	ng	-0.01
79) Terphenyl-d14	19.94	244	2404180	105.69	ng	-0.01
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.10	70	104323	15.714	ng	# 82
51) 2,6-Dinitrotoluene	14.58	165	38704	8.079	ng	# 26
54) 2,4-Dinitrophenol	14.79	184	56	5.504	ng	# 20
57) 2,4-Dinitrotoluene	14.58	165	38704	5.937	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.07	198	1492	4.785	ng	# 1
67) 4-Bromophenyl-phenylether	16.07	248	34989	4.668	ng	# 1
77) Benzidine	19.94	184	48626	3.317	ng	# 91

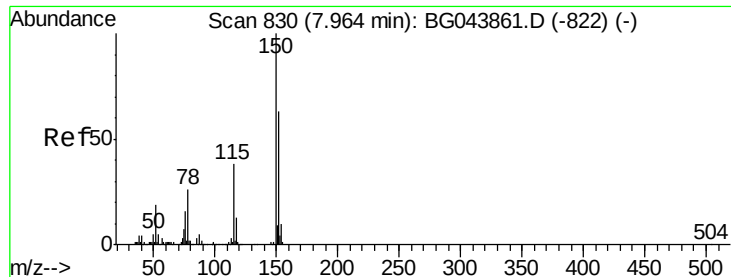
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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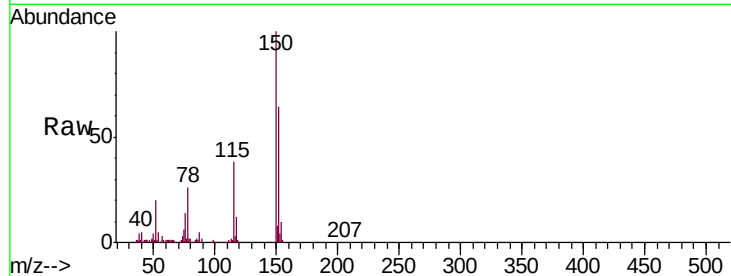


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.95 min Scan# 828
Delta R.T. -0.01 min
Lab File: BG043984.D
Acq: 9 Jan 2020 3:13

Instrument :
BNA_G
ClientSampleId :
SB-04

Tgt Ion	Ratio	Lower	Upper
152	100		
150	156.0	127.0	190.4
115	59.3	47.8	71.8

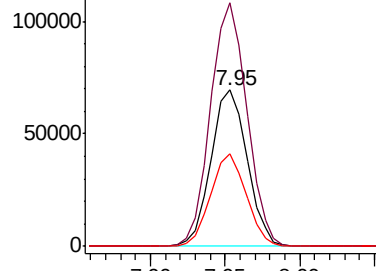


Abundance

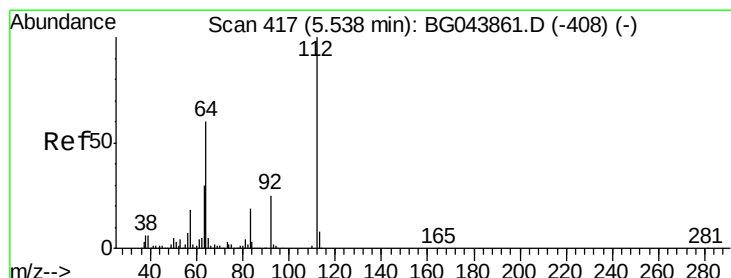
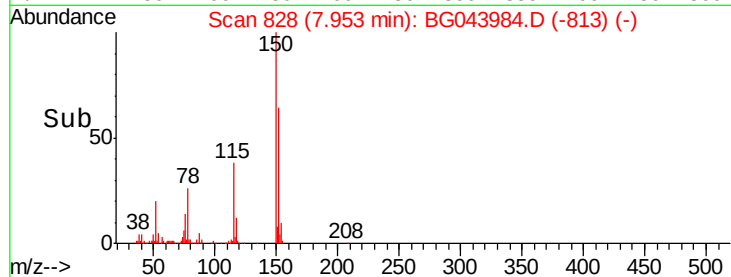
Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



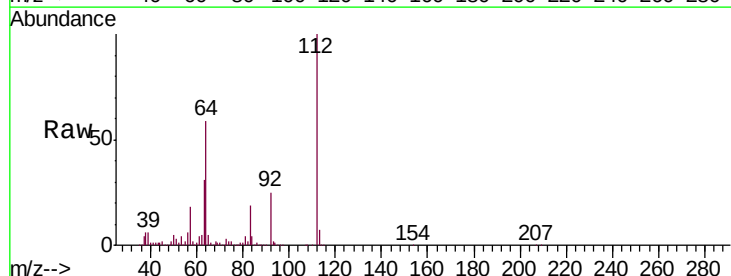
Time-->



#5

2-Fluorophenol
Concen: 131.951 ng
RT: 5.53 min Scan# 416
Delta R.T. -0.01 min
Lab File: BG043984.D
Acq: 9 Jan 2020 3:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	59.3	47.8	71.6
63	31.3	24.3	36.5

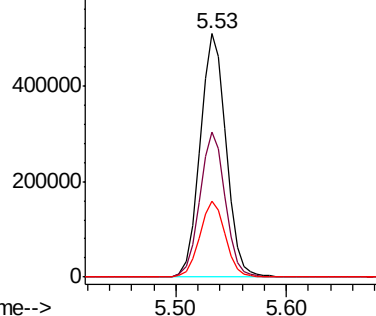


Abundance

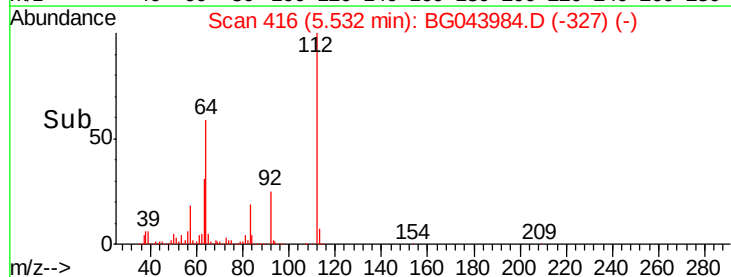
Ion 112.00 (111.70 to 112.70): E

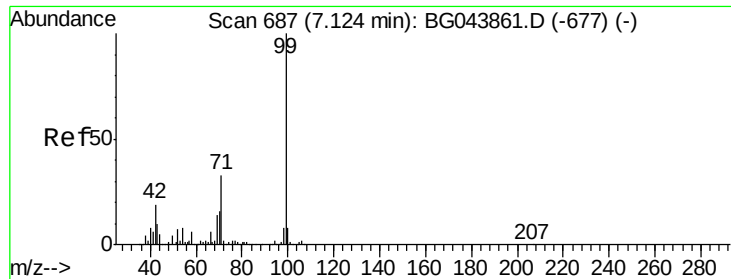
Ion 64.00 (63.70 to 64.70): BG

Ion 63.00 (62.70 to 63.70): BG



Time-->





#7

Phenol-d6

Concen: 115.171 ng

RT: 7.12 min Scan# 686

Delta R.T. -0.01 min

Lab File: BG043984.D

Acq: 9 Jan 2020 3:13

Instrument :

BNA_G

ClientSampleId :

SB-04

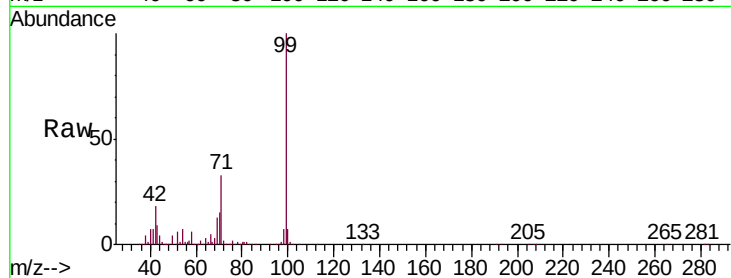
Tgt Ion: 99 Resp: 1026735

Ion Ratio Lower Upper

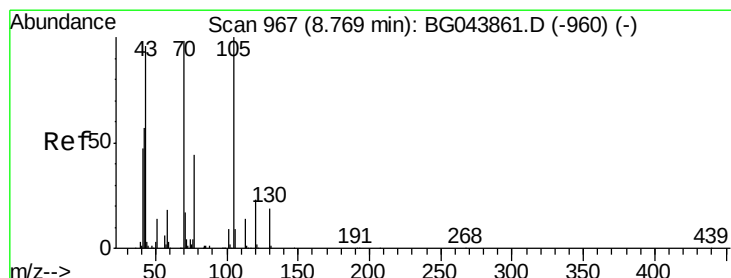
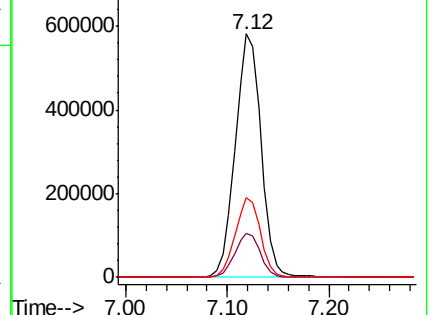
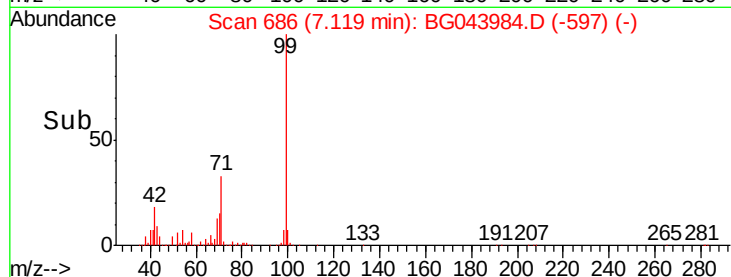
99 100

42 18.3 14.9 22.3

71 32.7 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



#19

n-Nitroso-di-n-propylamine

Concen: 15.714 ng

RT: 9.10 min Scan# 1024

Delta R.T. 0.34 min

Lab File: BG043984.D

Acq: 9 Jan 2020 3:13

Tgt Ion: 70 Resp: 104323

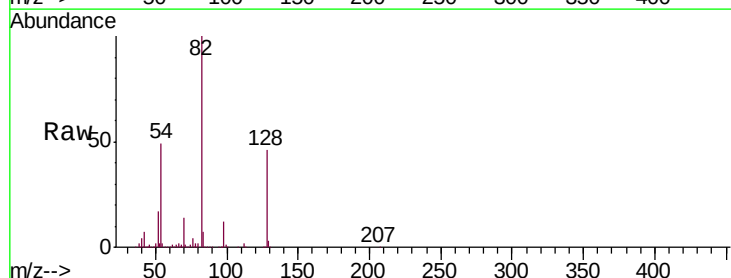
Ion Ratio Lower Upper

70 100

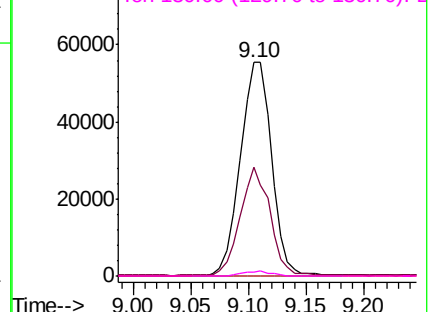
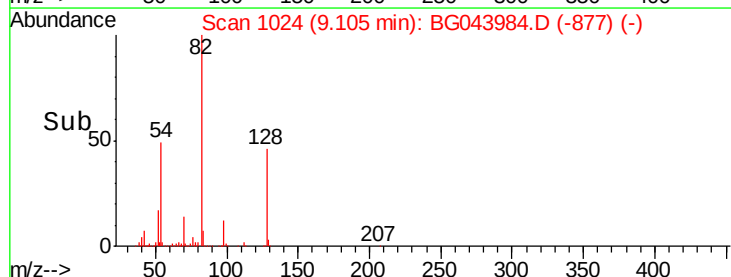
42 50.7 47.0 70.4

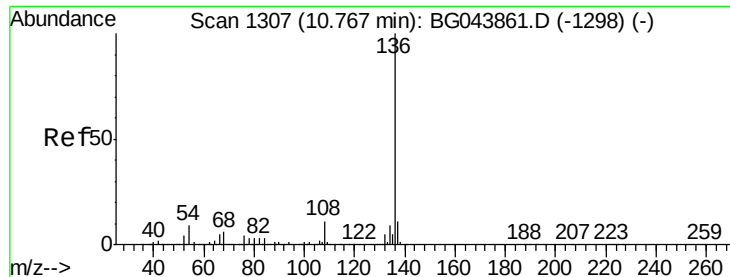
101 0.0 7.2 10.8#

130 2.0 15.6 23.4#



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

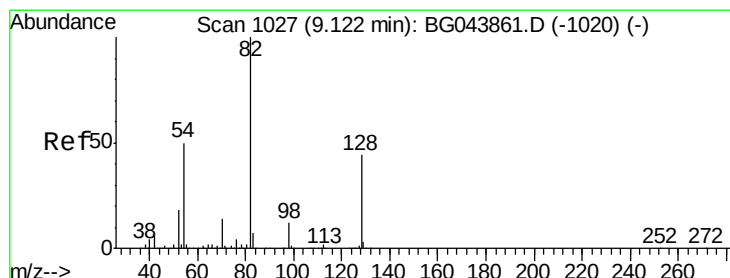
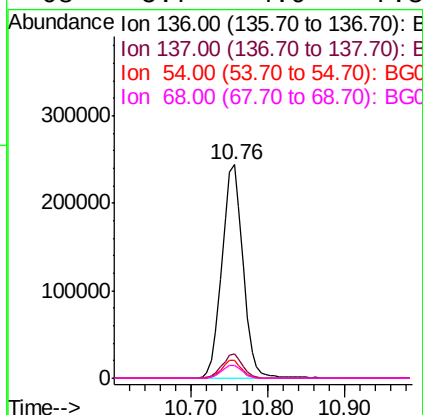
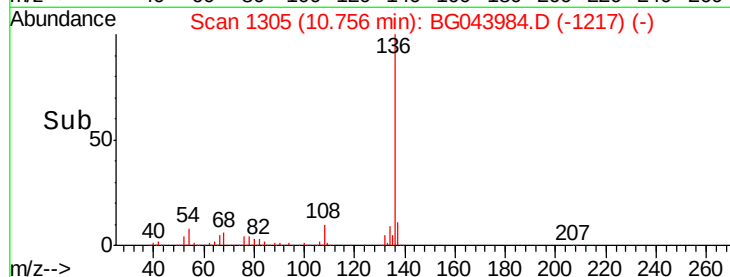
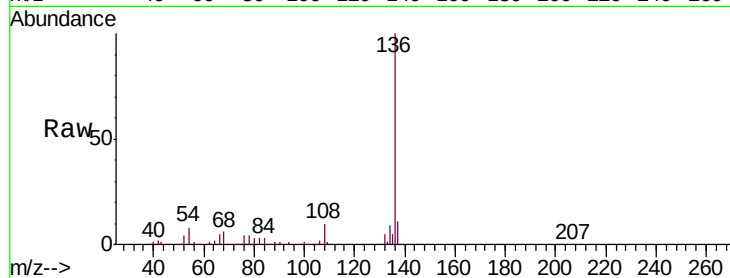




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BG043984.D
Acq: 9 Jan 2020 3:13

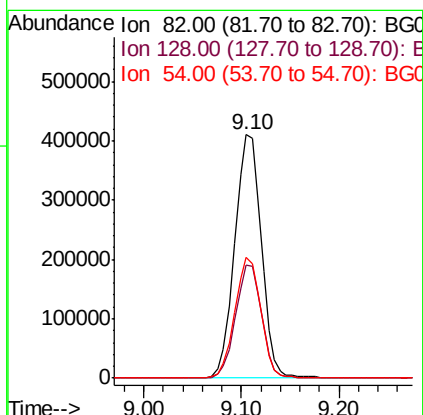
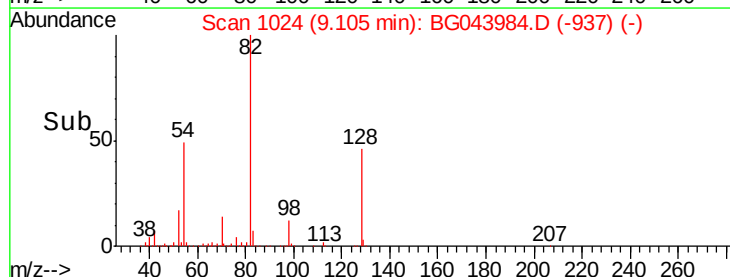
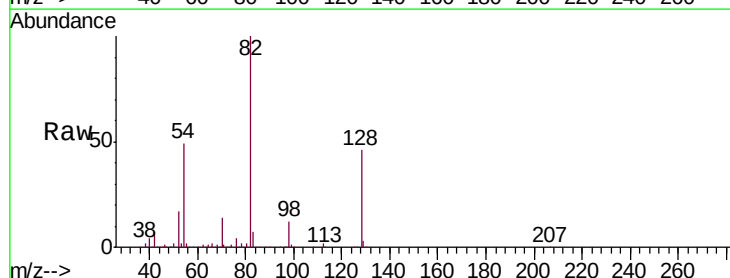
Instrument :
BNA_G
ClientSampleId :
SB-04

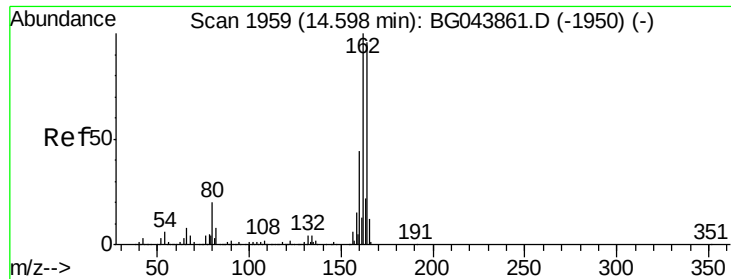
Tgt Ion:	136	Resp:	464953
Ion	Ratio	Lower	Upper
136	100		
137	11.3	8.8	13.2
54	8.2	7.0	10.4
68	5.7	4.9	7.3



#23
Nitrobenzene-d5
Concen: 89.701 ng
RT: 9.10 min Scan# 1024
Delta R.T. -0.02 min
Lab File: BG043984.D
Acq: 9 Jan 2020 3:13

Tgt Ion:	82	Resp:	779629
Ion	Ratio	Lower	Upper
82	100		
128	46.4	35.1	52.7
54	49.4	40.1	60.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.59 min Scan# 1957

Delta R.T. -0.01 min

Lab File: BG043984.D

Acq: 9 Jan 2020 3:13

Instrument :

BNA_G

ClientSampleId :

SB-04

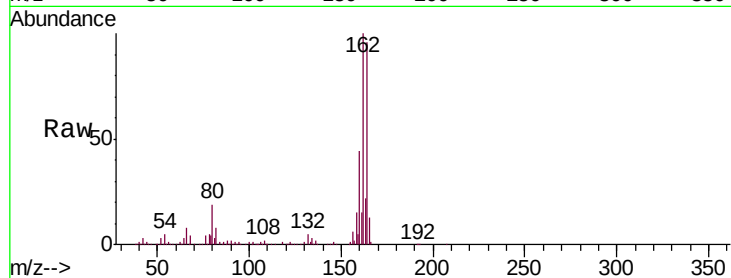
Tgt Ion:164 Resp: 298510

Ion Ratio Lower Upper

164 100

162 104.6 83.0 124.4

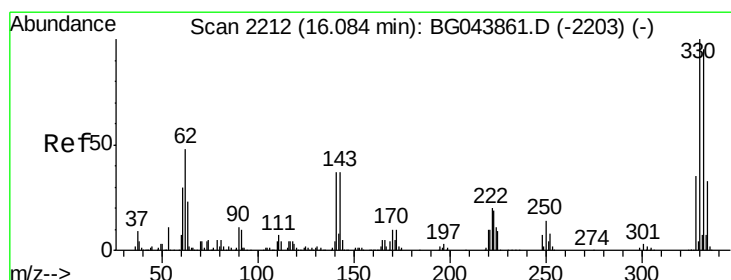
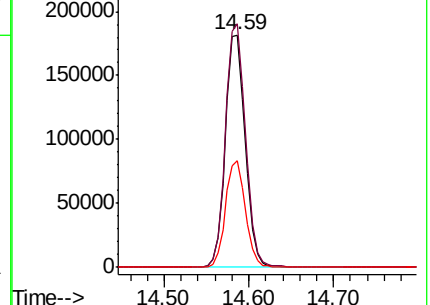
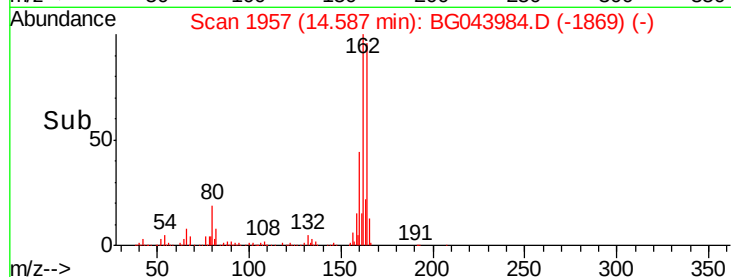
160 45.8 36.1 54.1



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



#42

2,4,6-Tribromophenol

Concen: 153.113 ng

RT: 16.07 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BG043984.D

Acq: 9 Jan 2020 3:13

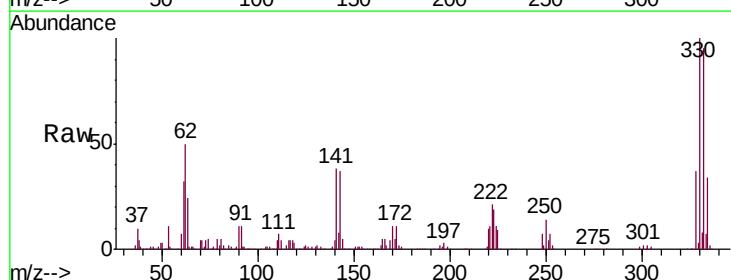
Tgt Ion:330 Resp: 478301

Ion Ratio Lower Upper

330 100

332 95.3 77.2 115.8

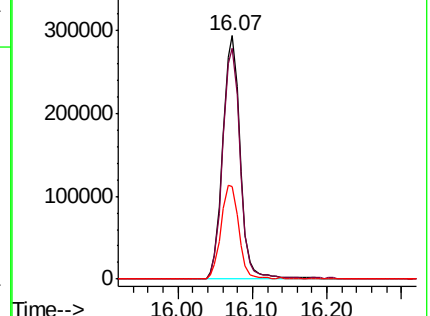
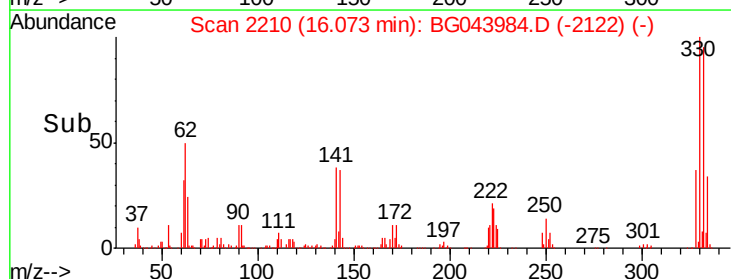
141 39.9 33.1 49.7

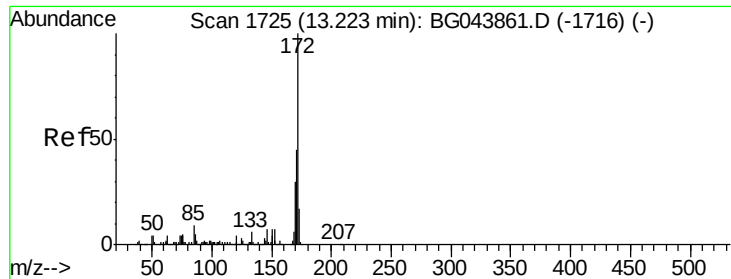


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

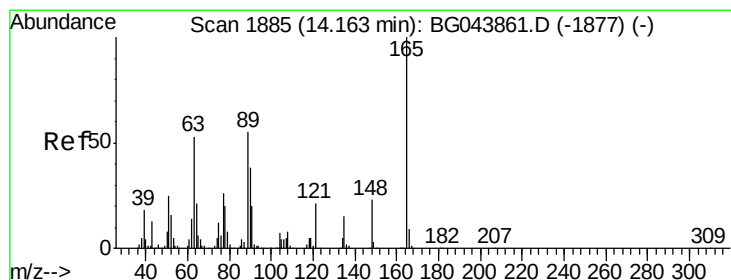
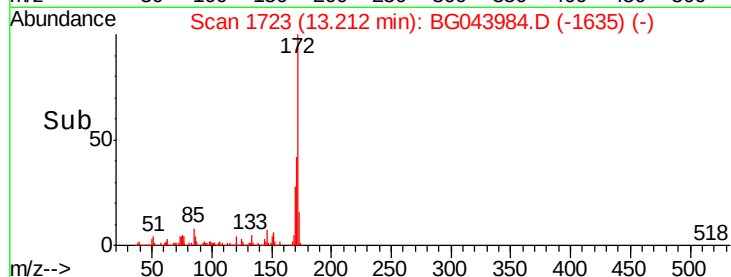
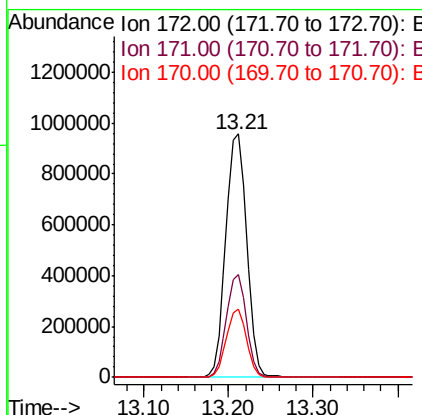
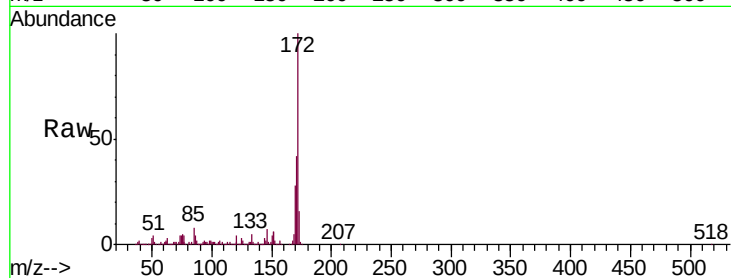




#45
2-Fluorobiphenyl
Concen: 99.811 ng
RT: 13.21 min Scan# 1723
Delta R.T. -0.01 min
Lab File: BG043984.D
Acq: 9 Jan 2020 3:13

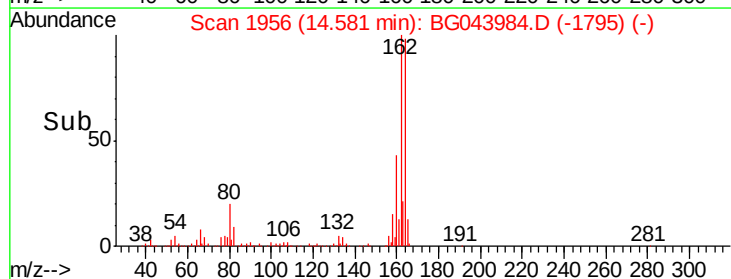
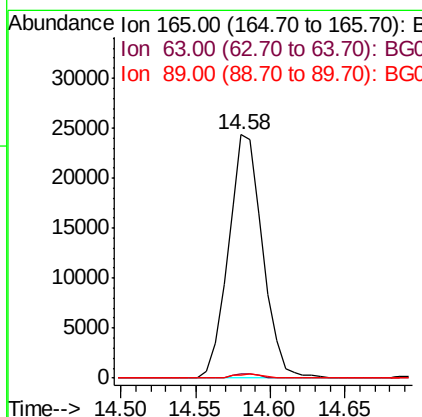
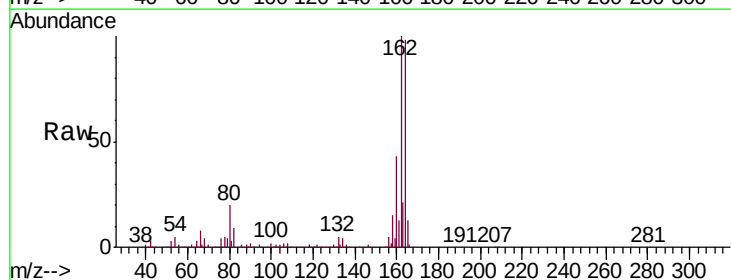
Instrument :
BNA_G
ClientSampleId :
SB-04

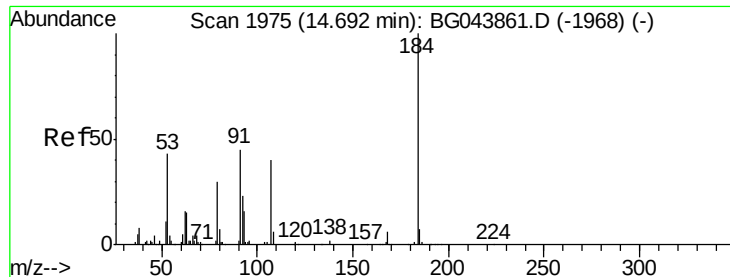
Tgt Ion:172 Resp: 1644501
Ion Ratio Lower Upper
172 100
171 42.1 35.8 53.8
170 28.3 24.2 36.4



#51
2,6-Dinitrotoluene
Concen: 8.079 ng
RT: 14.58 min Scan# 1956
Delta R.T. 0.42 min
Lab File: BG043984.D
Acq: 9 Jan 2020 3:13

Tgt Ion:165 Resp: 38704
Ion Ratio Lower Upper
165 100
63 1.7 43.1 64.7#
89 1.2 43.8 65.6#





#54

2,4-Dinitrophenol

Concen: 5.504 ng

RT: 14.79 min Scan# 1991

Delta R.T. 0.10 min

Lab File: BG043984.D

Acq: 9 Jan 2020 3:13

Instrument :

BNA_G

ClientSampleId :

SB-04

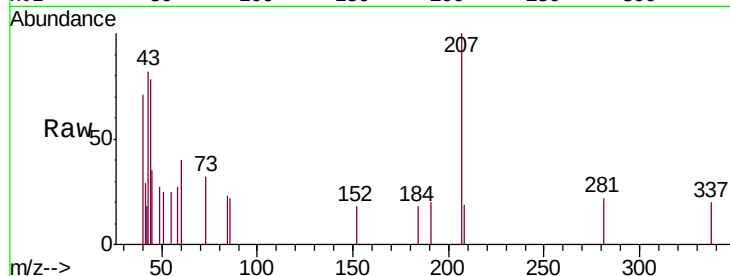
Tgt Ion:184 Resp: 56

Ion Ratio Lower Upper

184 100

63 0.0 46.6 70.0#

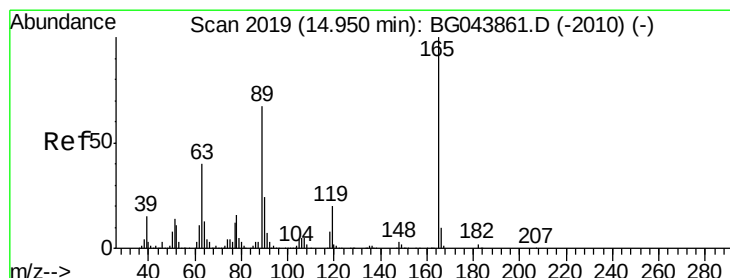
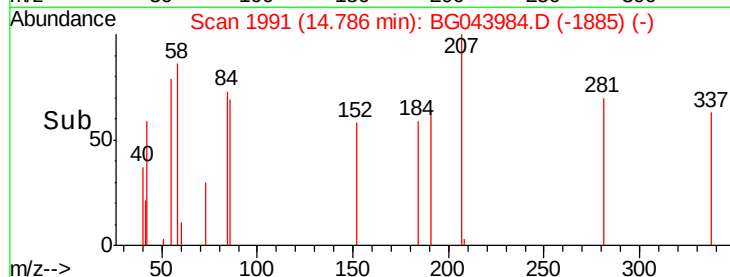
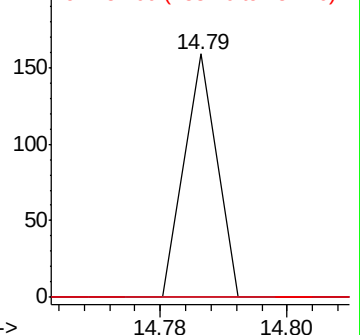
154 0.0 50.2 75.4#



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



#57

2,4-Dinitrotoluene

Concen: 5.937 ng

RT: 14.58 min Scan# 1956

Delta R.T. -0.37 min

Lab File: BG043984.D

Acq: 9 Jan 2020 3:13

Tgt Ion:165 Resp: 38704

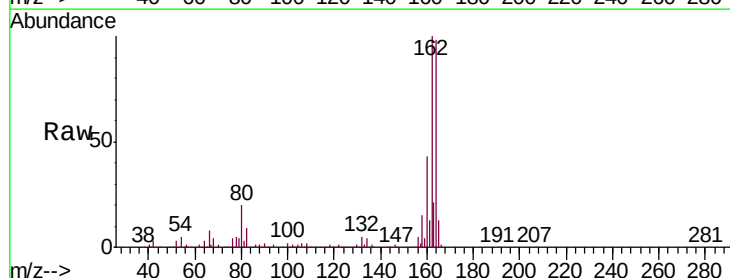
Ion Ratio Lower Upper

165 100

63 1.7 31.9 47.9#

89 1.2 53.8 80.6#

182 0.0 2.0 3.0#

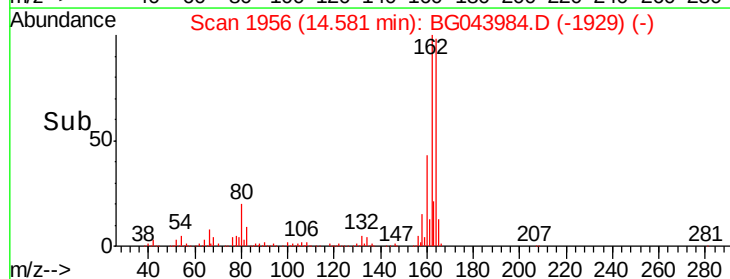
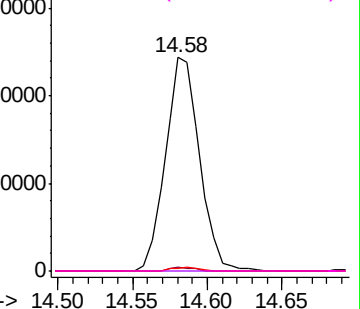


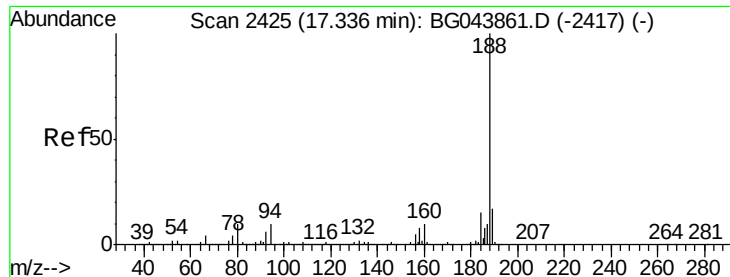
Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.32 min Scan# 2423

Delta R.T. -0.01 min

Lab File: BG043984.D

Acq: 9 Jan 2020 3:13

Instrument :

BNA_G

ClientSampled :

SB-04

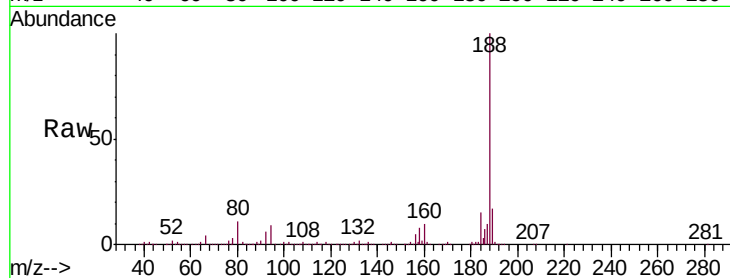
Tgt Ion:188 Resp: 666417

Ion Ratio Lower Upper

188 100

94 9.4 7.9 11.9

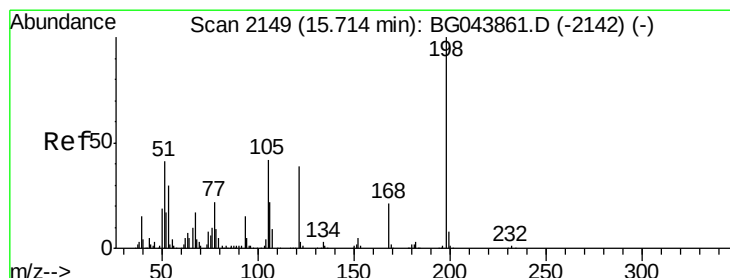
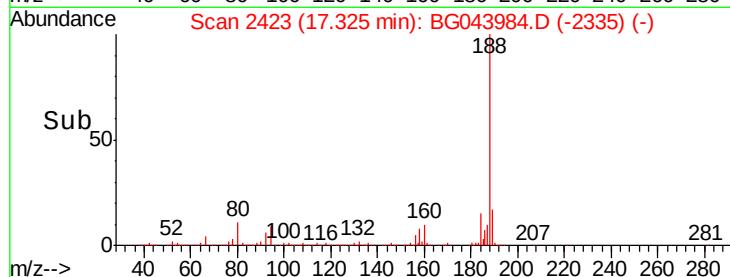
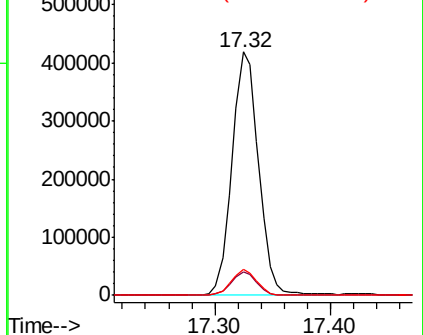
80 10.5 8.2 12.4



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: 4.785 ng

RT: 16.07 min Scan# 2210

Delta R.T. 0.36 min

Lab File: BG043984.D

Acq: 9 Jan 2020 3:13

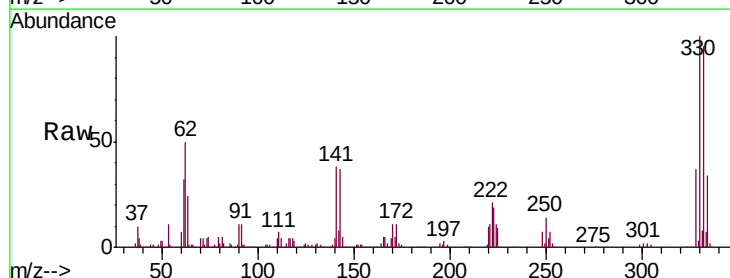
Tgt Ion:198 Resp: 1492

Ion Ratio Lower Upper

198 100

51 129.6 22.5 62.5#

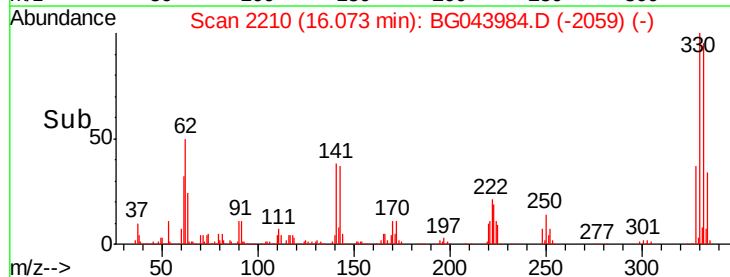
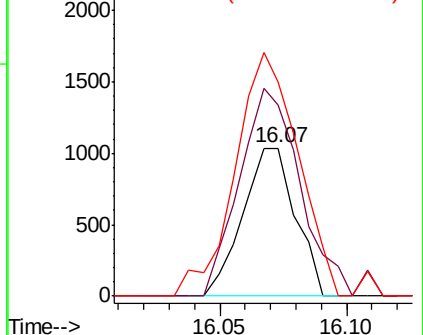
105 144.9 22.3 62.3#

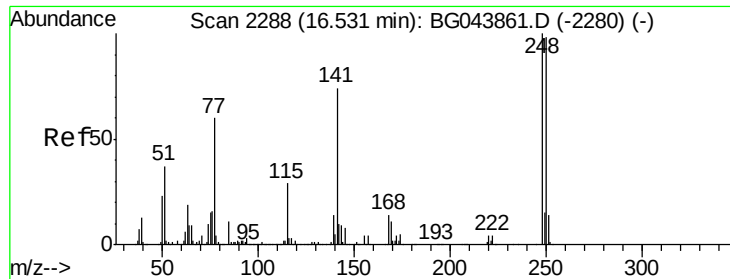


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

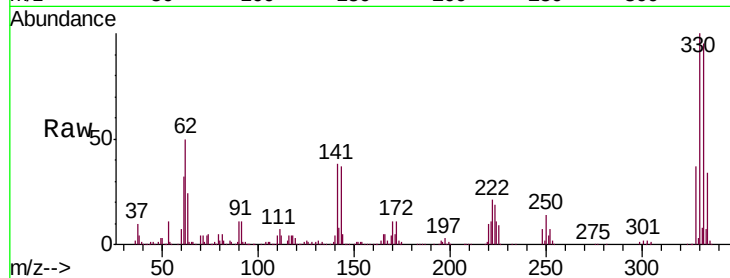




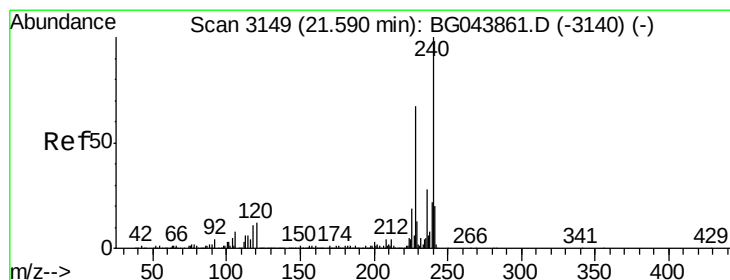
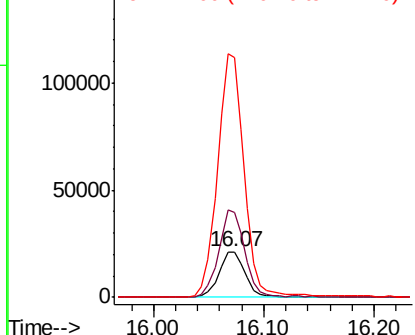
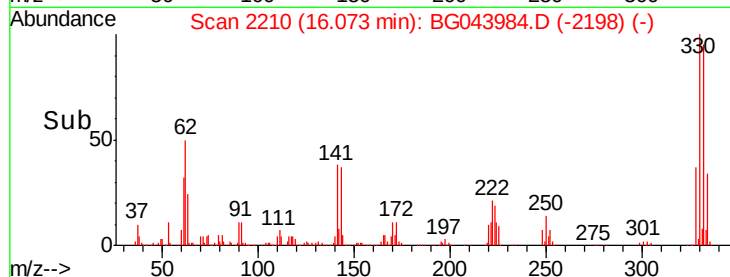
#67
 4-Bromophenyl-phenylether
 Concen: 4.668 ng
 RT: 16.07 min Scan# 2210
 Delta R.T. -0.46 min
 Lab File: BG043984.D
 Acq: 9 Jan 2020 3:13

Instrument :
 BNA_G
 ClientSampled :
 SB-04

Tgt Ion:248 Resp: 34989
 Ion Ratio Lower Upper
 248 100
 250 187.2 78.2 117.2#
 141 526.0 59.3 88.9#

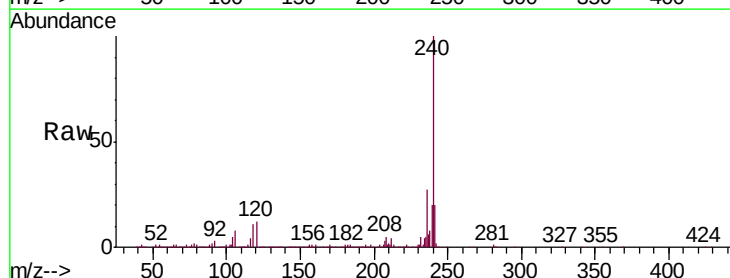


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

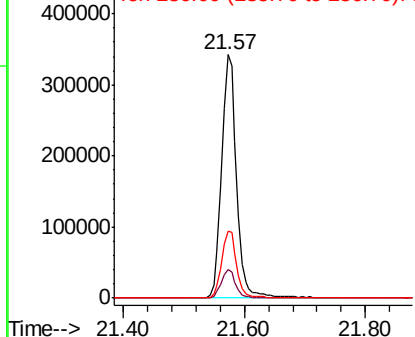
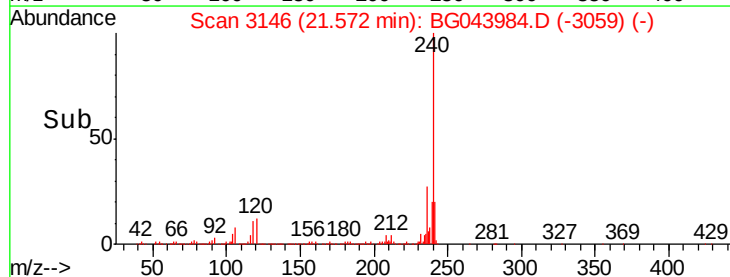


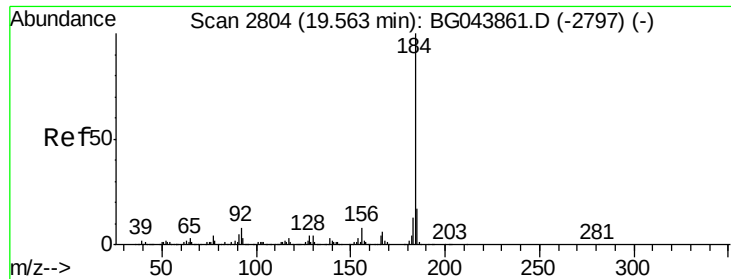
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.57 min Scan# 3146
 Delta R.T. -0.02 min
 Lab File: BG043984.D
 Acq: 9 Jan 2020 3:13

Tgt Ion:240 Resp: 583232
 Ion Ratio Lower Upper
 240 100
 120 11.8 9.6 14.4
 236 27.4 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: 3.317 ng

RT: 19.94 min Scan# 2868

Delta R.T. 0.38 min

Lab File: BG043984.D

Acq: 9 Jan 2020 3:13

Instrument :

BNA_G

ClientSampleId :

SB-04

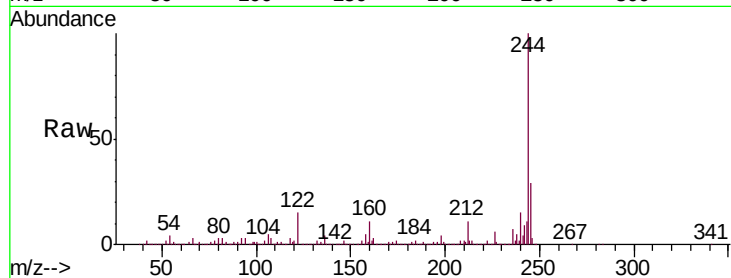
Tgt Ion:184 Resp: 48626

Ion Ratio Lower Upper

184 100

185 14.8 13.4 20.0

183 7.0 10.6 15.8#

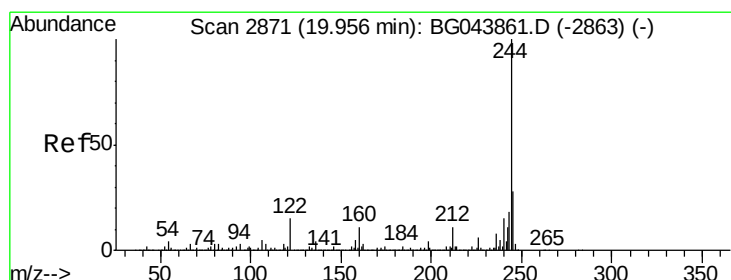
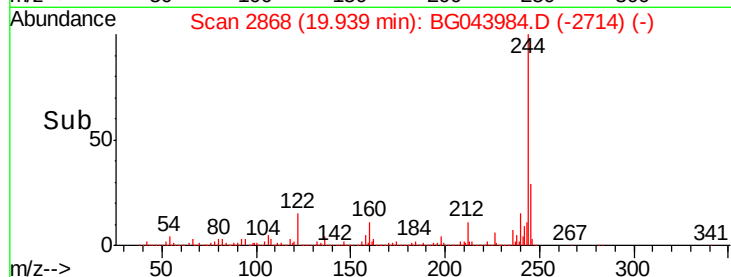
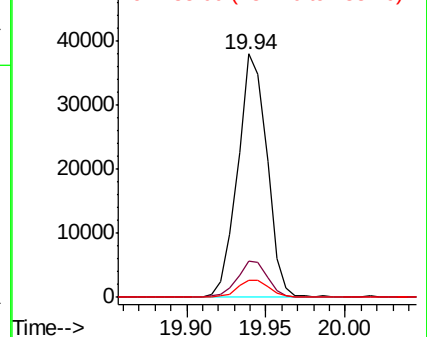


Abundance

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: 105.694 ng

RT: 19.94 min Scan# 2869

Delta R.T. -0.01 min

Lab File: BG043984.D

Acq: 9 Jan 2020 3:13

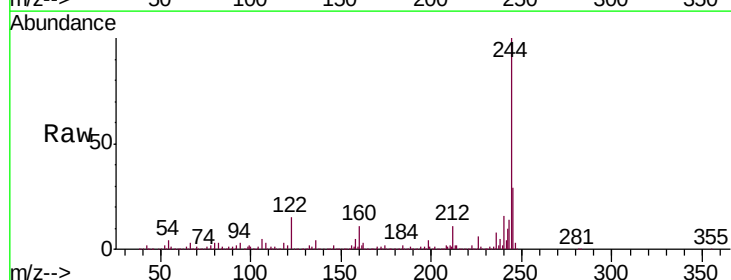
Tgt Ion:244 Resp: 2404180

Ion Ratio Lower Upper

244 100

212 11.3 8.6 13.0

122 15.0 11.9 17.9

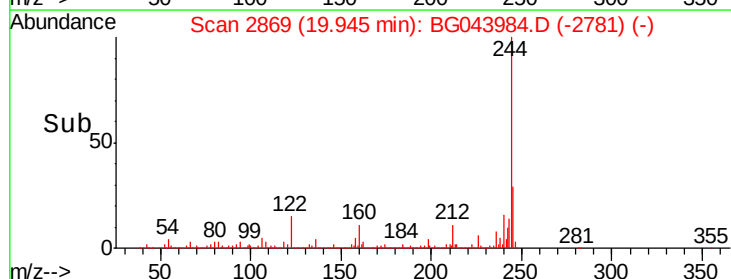
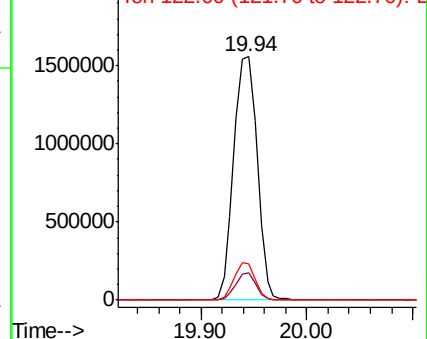


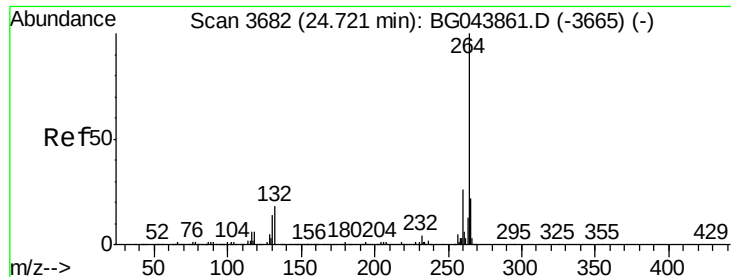
Abundance

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: BG043984.D
Acq: 9 Jan 2020 3:13

Instrument :
BNA_G
ClientSampleId :
SB-04

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.4	30.6
265	22.0	17.4	26.2

