

Data File : BG044158.D
Acq On : 22 Jan 2020 15:03
Operator : JU
Sample : L1216-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
SB-01-COMP

Quant Time: Jan 23 07:51:28 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	7.93	152	80295	20.00	ng	-0.03
21) Naphthalene-d8	10.73	136	351521	20.00	ng	-0.04
39) Acenaphthene-d10	14.57	164	242597	20.00	ng	-0.03
64) Phenanthrene-d10	17.31	188	497125	20.00	ng	-0.03
76) Chrysene-d12	21.56	240	432485	20.00	ng	-0.03
87) Perylene-d12	24.66	264	474822	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.51	112	470990	107.70	ng	-0.03
7) Phenol-d6	7.10	99	659297	107.86	ng	-0.03
23) Nitrobenzene-d5	9.08	82	405262	61.67	ng	-0.04
42) 2,4,6-Tribromophenol	16.05	330	252564	99.48	ng	-0.03
45) 2-Fluorobiphenyl	13.19	172	979551	73.16	ng	-0.03
79) Terphenyl-d14	19.92	244	1431462	78.06	ng	-0.03
Target Compounds						
10) Phenol	7.13	94	20957	3.328	ng	97
19) n-Nitroso-di-n-propylamine	9.08	70	51535	11.321	ng	# 83
50) Dimethylphthalate	14.02	163	209660	12.172	ng	# 96
57) 2,4-Dinitrotoluene	14.57	165	31202	5.890	ng	# 27
65) 4,6-Dinitro-2-methylphenol	16.05	198	789	4.670	ng	# 1
67) 4-Bromophenyl-phenylether	16.05	248	18404	3.292	ng	# 1
77) Benizidine	19.92	184	23457	2.158	ng	# 88

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

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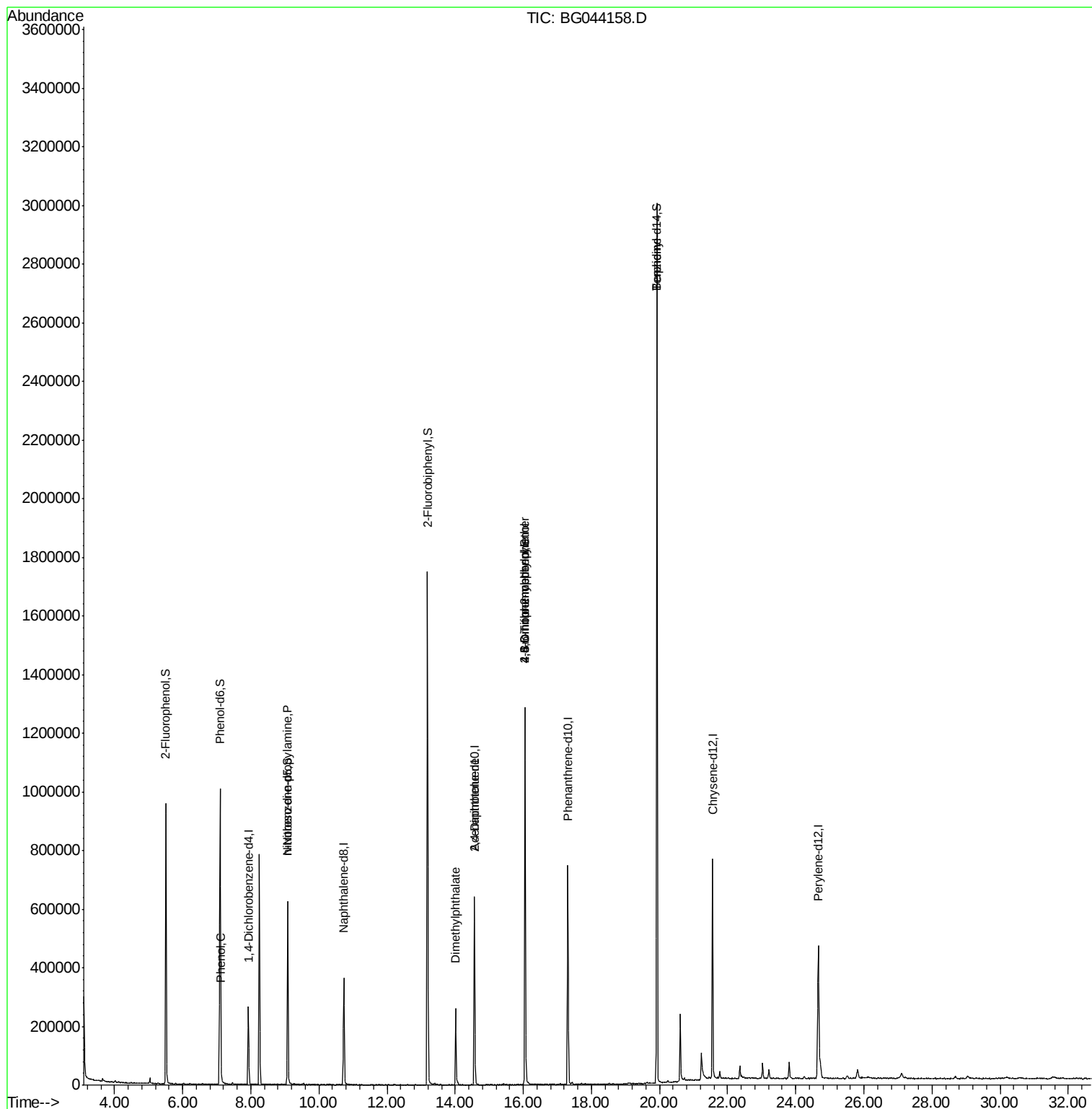
Quant Time: Jan 23 07:51:28 2020

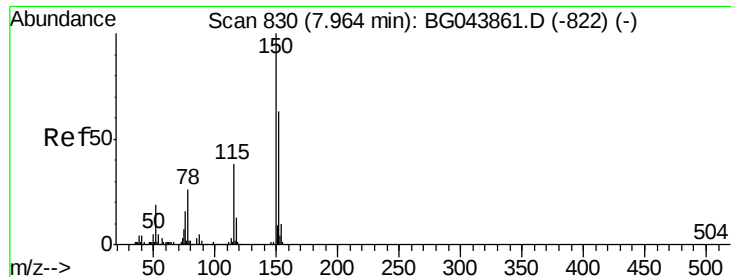
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\8270-BG123019.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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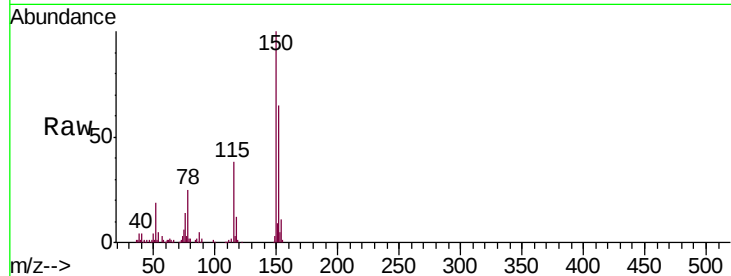


#1

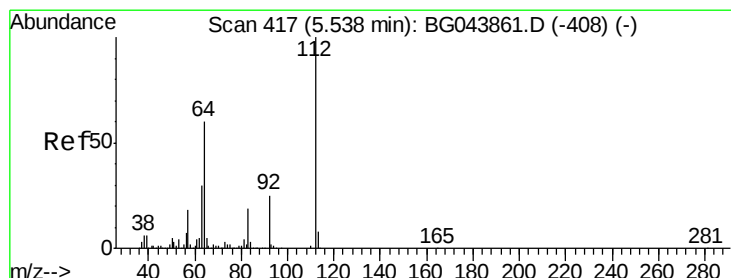
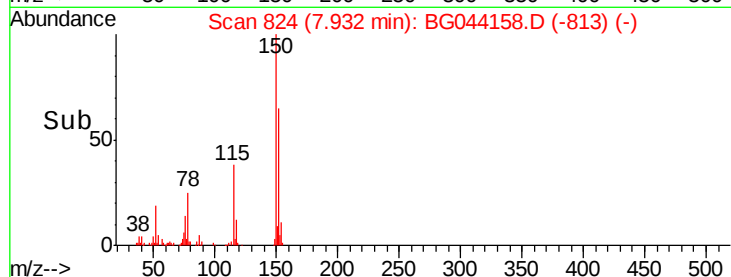
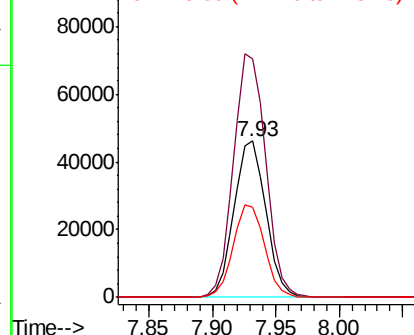
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.93 min Scan# 824
Delta R.T. -0.03 min
Lab File: BG044158.D
Acq: 22 Jan 2020 15:03

Instrument :
BNA_G
ClientSampleId :
SB-01-COMP

Tgt Ion	Ratio	Lower	Upper
152	100		
150	152.8	127.0	190.4
115	57.7	47.8	71.8



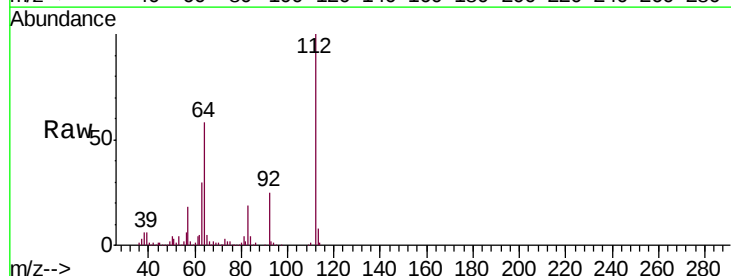
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



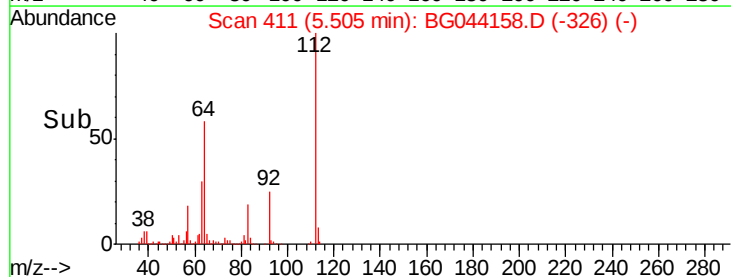
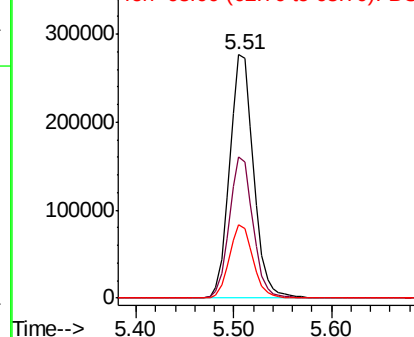
#5

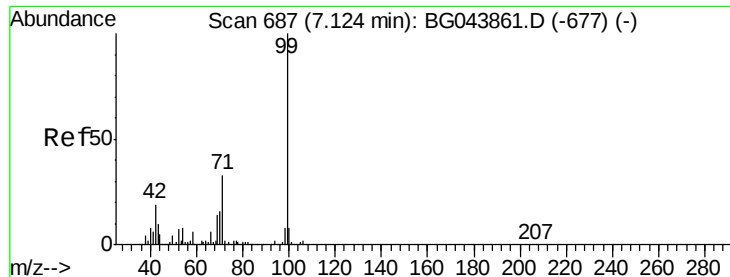
2-Fluorophenol
Concen: 107.702 ng
RT: 5.51 min Scan# 411
Delta R.T. -0.03 min
Lab File: BG044158.D
Acq: 22 Jan 2020 15:03

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.8	71.6
63	30.2	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





#7

Phenol-d6

Concen: 107.856 ng

RT: 7.10 min Scan# 682

Delta R.T. -0.03 min

Lab File: BG044158.D

Acq: 22 Jan 2020 15:03

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

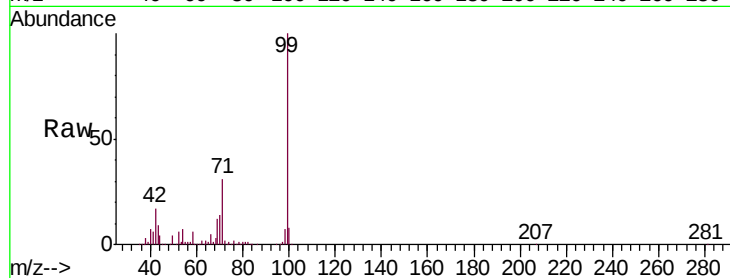
Tgt Ion: 99 Resp: 659297

Ion Ratio Lower Upper

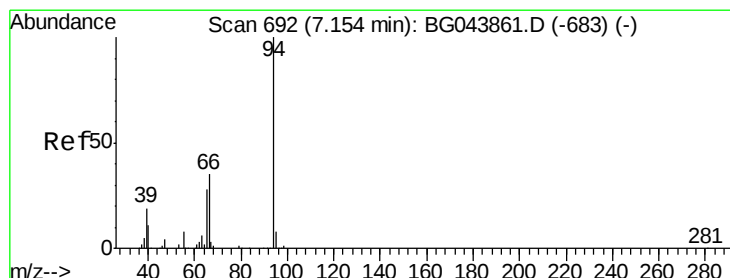
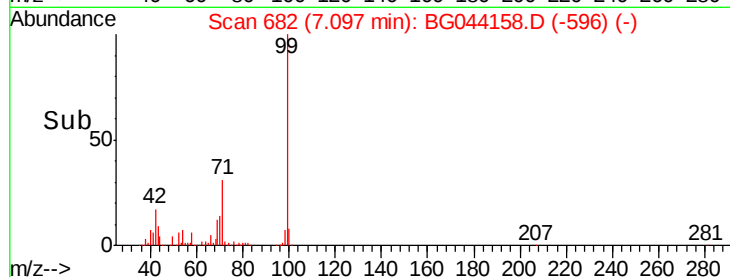
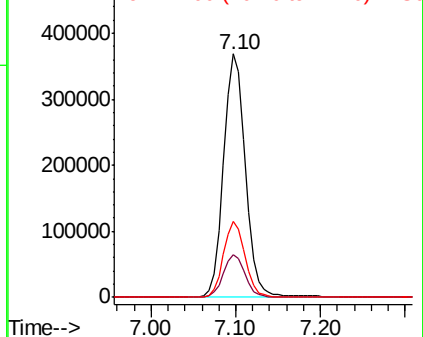
99 100

42 17.4 14.9 22.3

71 31.0 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: 3.328 ng

RT: 7.13 min Scan# 687

Delta R.T. -0.03 min

Lab File: BG044158.D

Acq: 22 Jan 2020 15:03

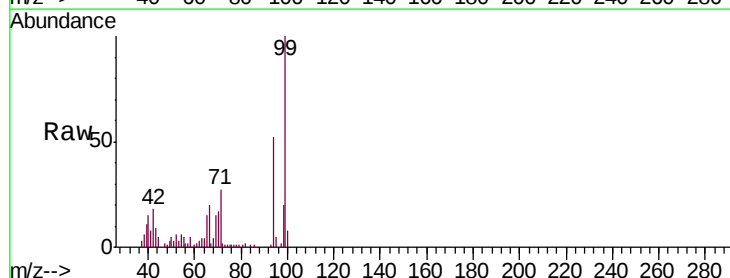
Tgt Ion: 94 Resp: 20957

Ion Ratio Lower Upper

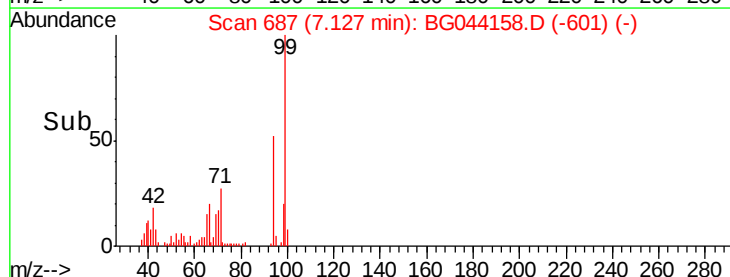
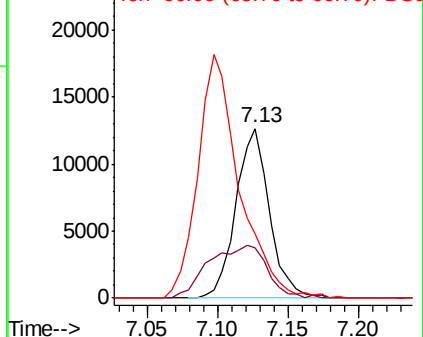
94 100

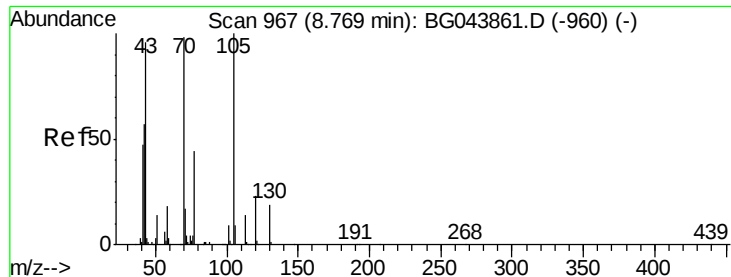
65 29.4 8.1 48.1

66 38.0 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

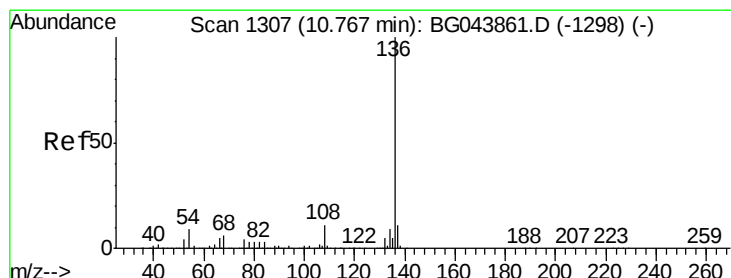
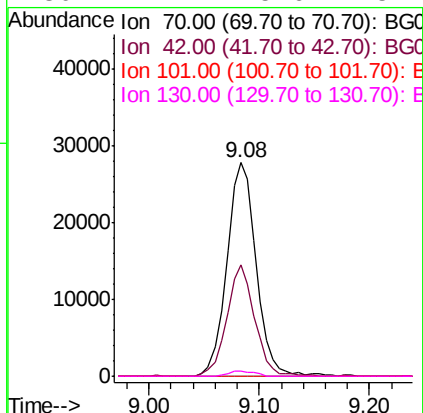
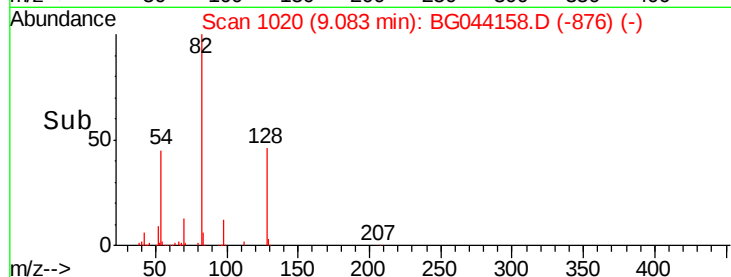
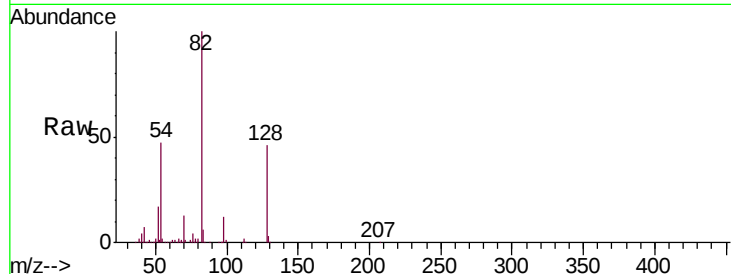




#19
n-Nitroso-di-n-propylamine
Concen: 11.321 ng
RT: 9.08 min Scan# 1020
Delta R.T. 0.31 min
Lab File: BG044158.D
Acq: 22 Jan 2020 15:03

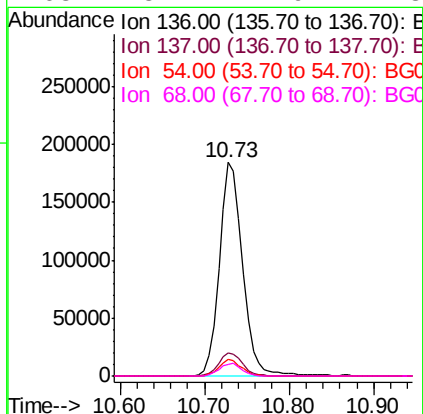
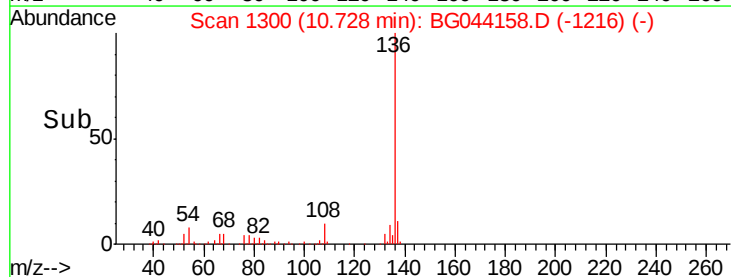
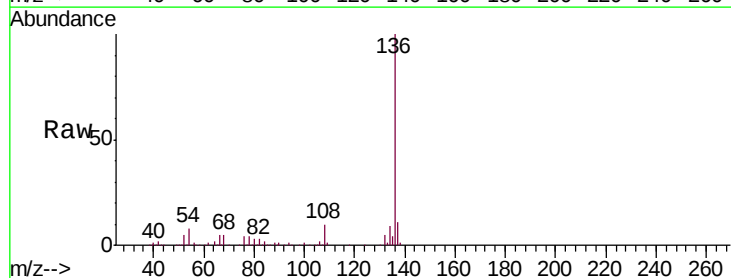
Instrument :
BNA_G
ClientSampleId :
SB-01-COMP

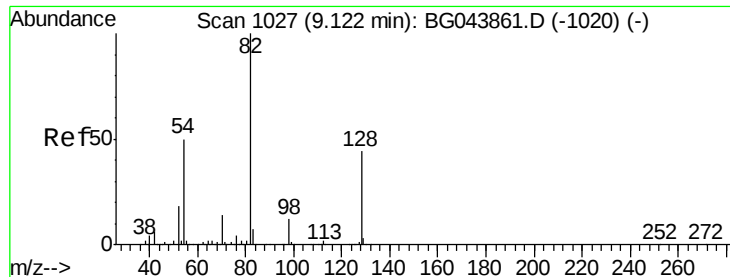
Tgt Ion: 70 Resp: 51535
Ion Ratio Lower Upper
70 100
42 52.2 47.0 70.4
101 0.0 7.2 10.8#
130 2.4 15.6 23.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.73 min Scan# 1300
Delta R.T. -0.04 min
Lab File: BG044158.D
Acq: 22 Jan 2020 15:03

Tgt Ion: 136 Resp: 351521
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.5 7.0 10.4
68 5.4 4.9 7.3





#23

Nitrobenzene-d5

Concen: 61.674 ng

RT: 9.08 min Scan# 1020

Delta R.T. -0.04 min

Lab File: BG044158.D

Acq: 22 Jan 2020 15:03

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

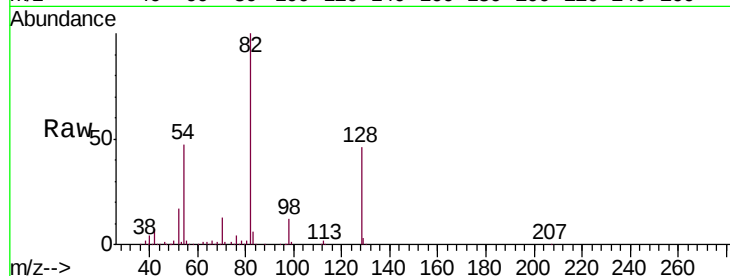
Tgt Ion: 82 Resp: 405262

Ion Ratio Lower Upper

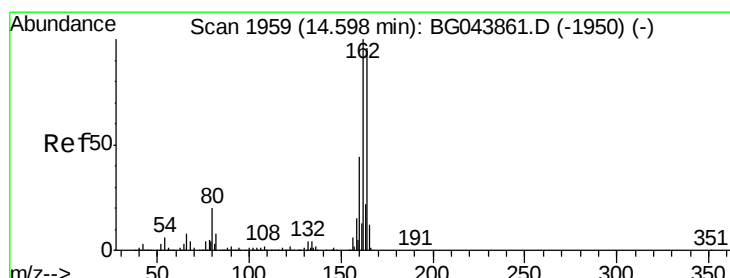
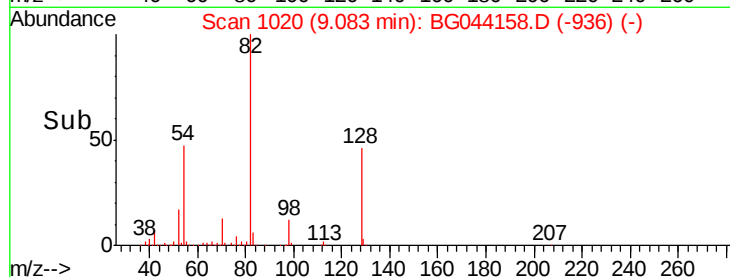
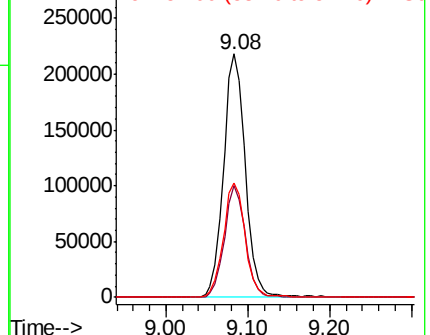
82 100

128 46.1 35.1 52.7

54 46.8 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: 14.57 min Scan# 1953

Delta R.T. -0.03 min

Lab File: BG044158.D

Acq: 22 Jan 2020 15:03

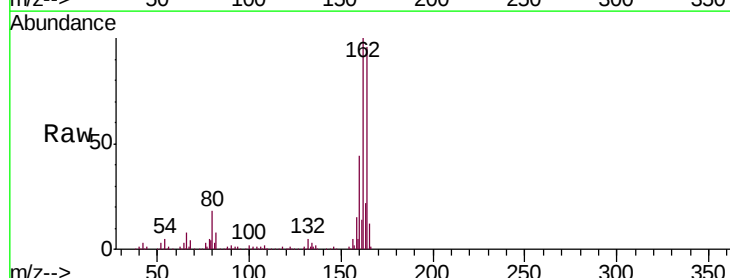
Tgt Ion: 164 Resp: 242597

Ion Ratio Lower Upper

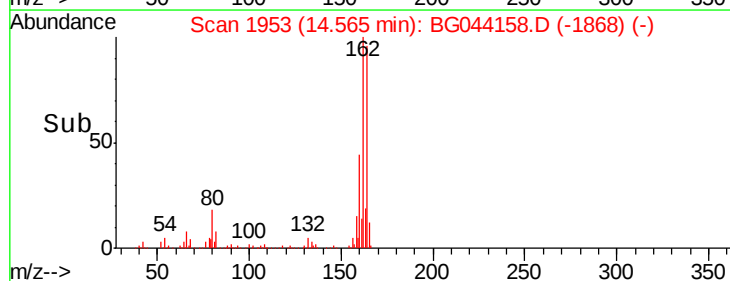
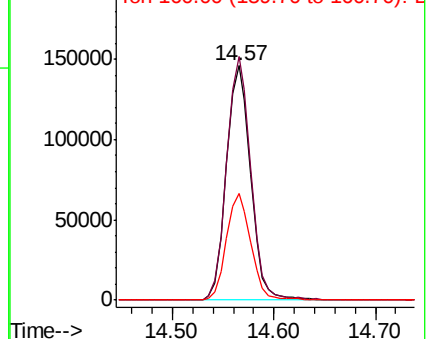
164 100

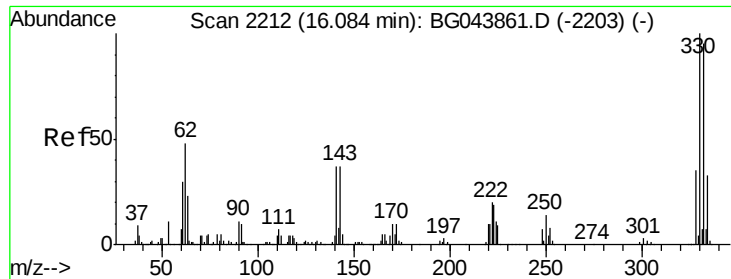
162 104.0 83.0 124.4

160 45.7 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: 99.484 ng

RT: 16.05 min Scan# 2206

Delta R.T. -0.03 min

Lab File: BG044158.D

Acq: 22 Jan 2020 15:03

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

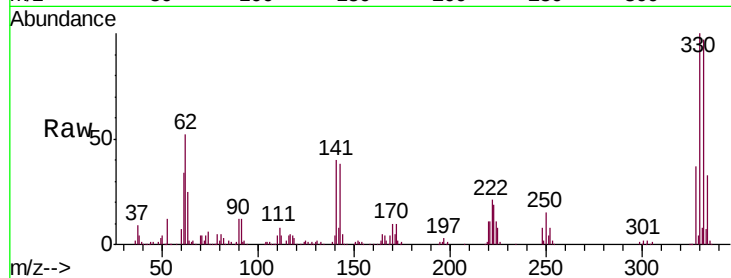
Tgt Ion:330 Resp: 252564

Ion Ratio Lower Upper

330 100

332 95.7 77.2 115.8

141 39.5 33.1 49.7

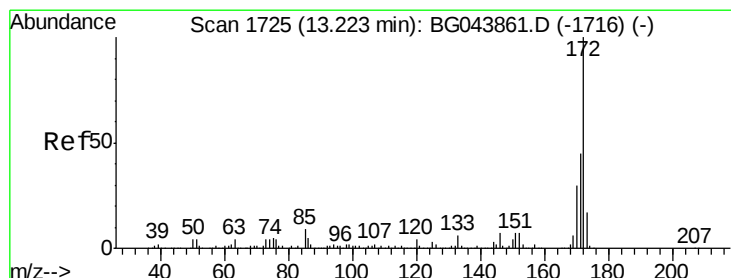
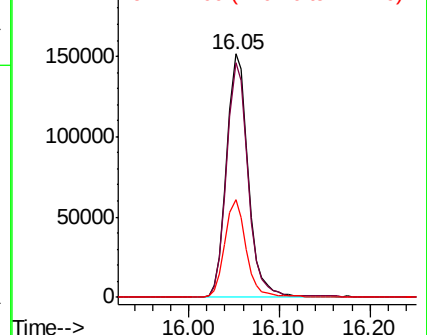
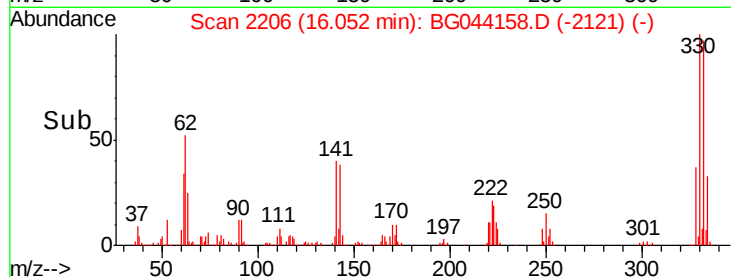


Abundance

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: 73.155 ng

RT: 13.19 min Scan# 1719

Delta R.T. -0.03 min

Lab File: BG044158.D

Acq: 22 Jan 2020 15:03

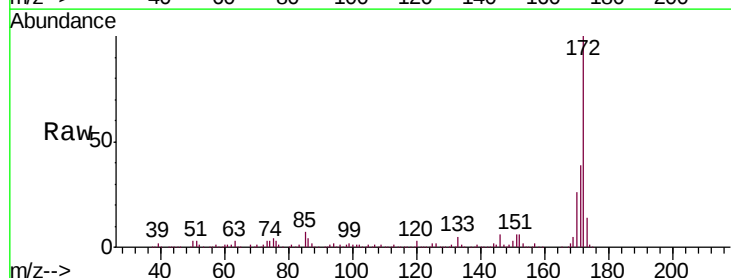
Tgt Ion:172 Resp: 979551

Ion Ratio Lower Upper

172 100

171 39.1 35.8 53.8

170 25.9 24.2 36.4

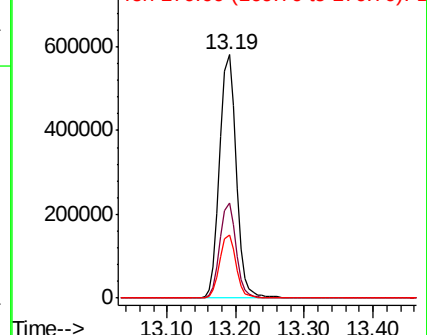
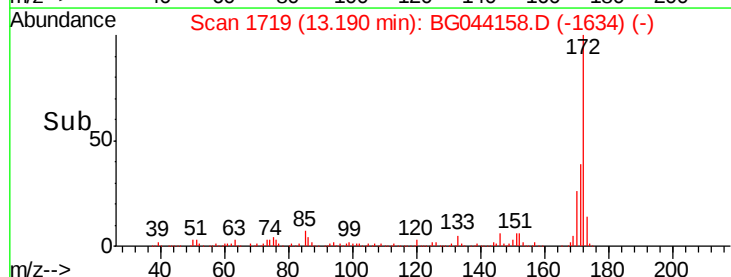


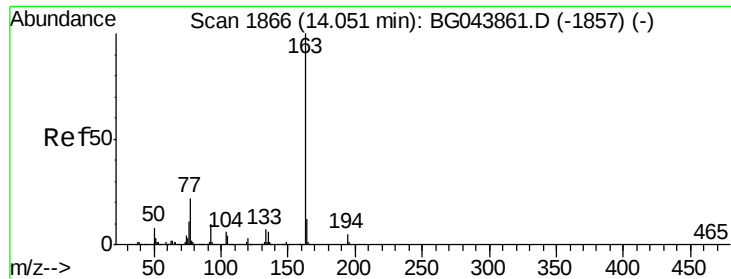
Abundance

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: 12.172 ng

RT: 14.02 min Scan# 1860

Delta R.T. -0.03 min

Lab File: BG044158.D

Acq: 22 Jan 2020 15:03

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

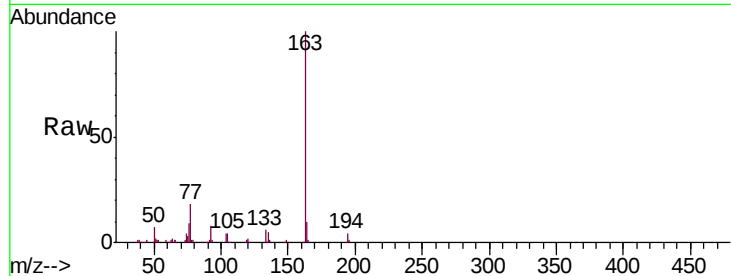
Tgt Ion:163 Resp: 209660

Ion Ratio Lower Upper

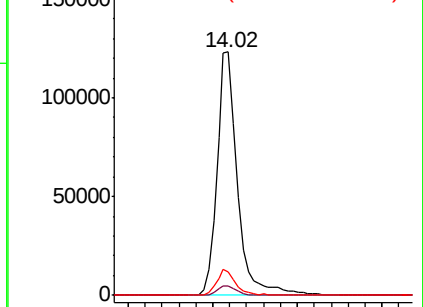
163 100

194 3.7 3.7 5.5#

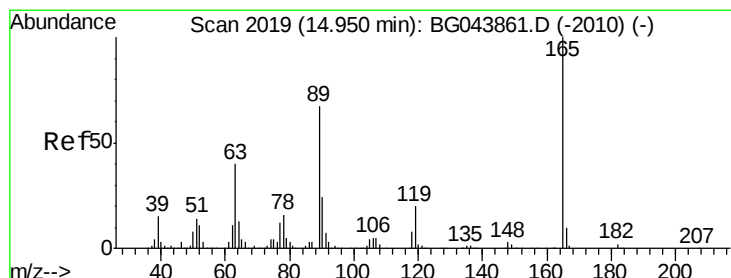
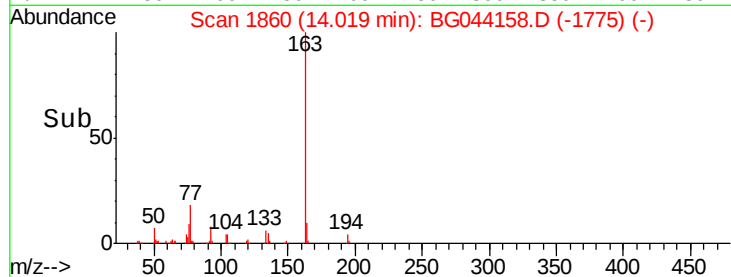
164 9.9 9.3 13.9



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



Time--> 13.90 14.00 14.10 14.20



#57

2,4-Dinitrotoluene

Concen: 5.890 ng

RT: 14.57 min Scan# 1953

Delta R.T. -0.39 min

Lab File: BG044158.D

Acq: 22 Jan 2020 15:03

Tgt Ion:165 Resp: 31202

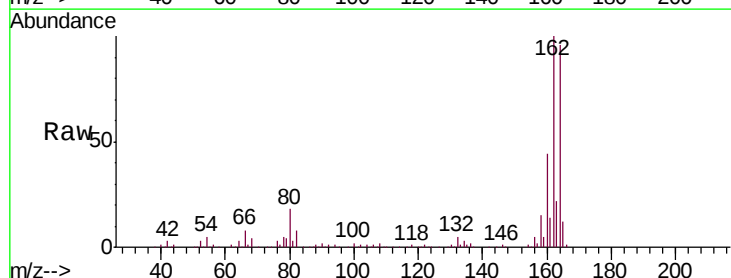
Ion Ratio Lower Upper

165 100

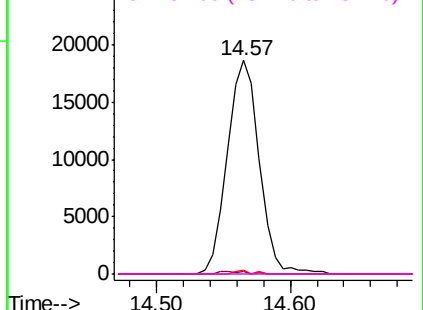
63 1.4 31.9 47.9#

89 1.9 53.8 80.6#

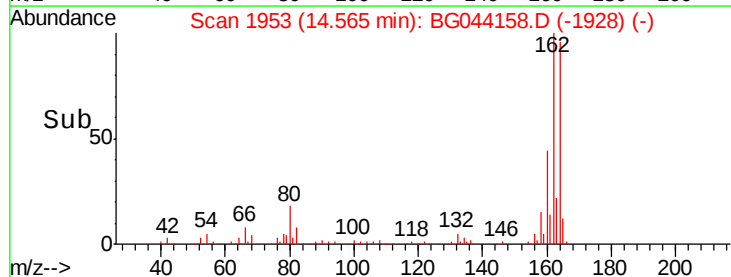
182 0.0 2.0 3.0#

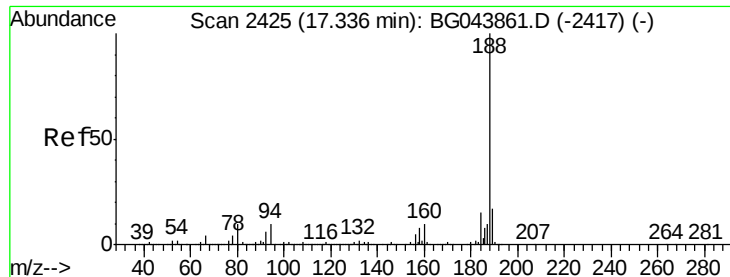


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BGC
Ion 89.00 (88.70 to 89.70): BGC
Ion 182.00 (181.70 to 182.70): E



Time--> 14.50 14.60





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.31 min Scan# 2420

Delta R.T. -0.03 min

Lab File: BG044158.D

Acq: 22 Jan 2020 15:03

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

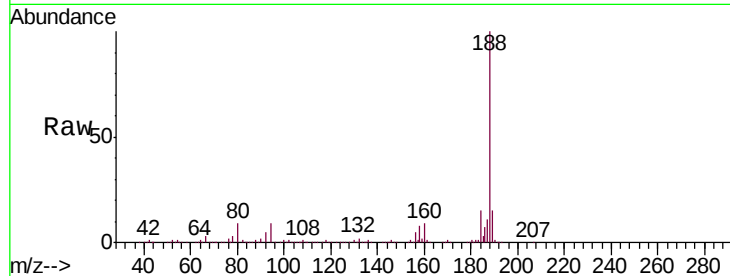
Tgt Ion:188 Resp: 497125

Ion Ratio Lower Upper

188 100

94 9.1 7.9 11.9

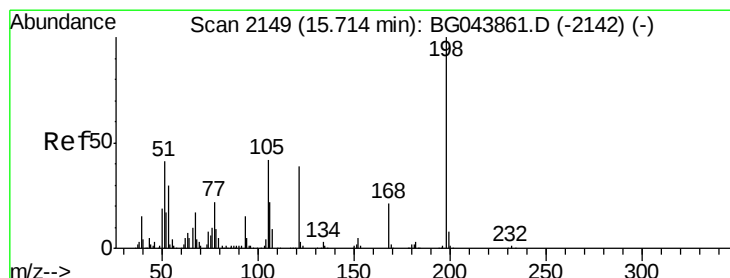
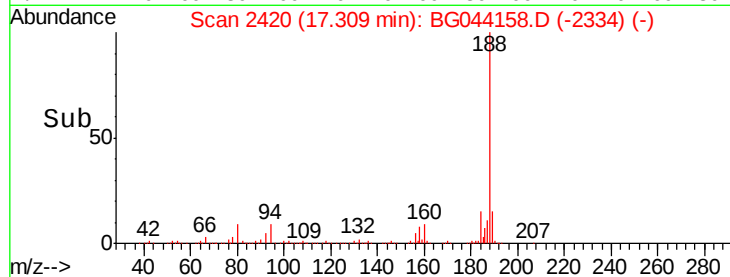
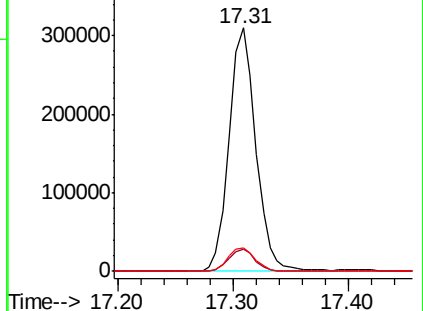
80 9.4 8.2 12.4



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: 4.670 ng

RT: 16.05 min Scan# 2206

Delta R.T. 0.34 min

Lab File: BG044158.D

Acq: 22 Jan 2020 15:03

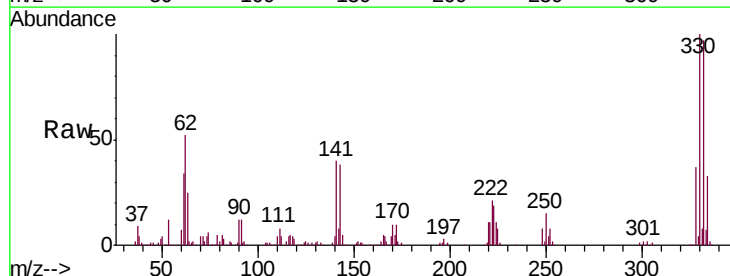
Tgt Ion:198 Resp: 789

Ion Ratio Lower Upper

198 100

51 90.8 22.5 62.5#

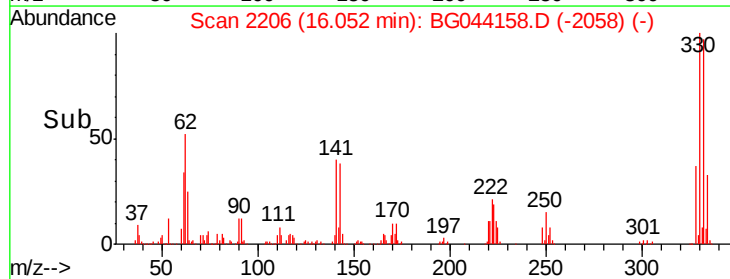
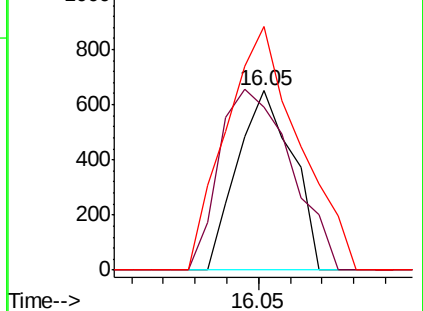
105 135.8 22.3 62.3#

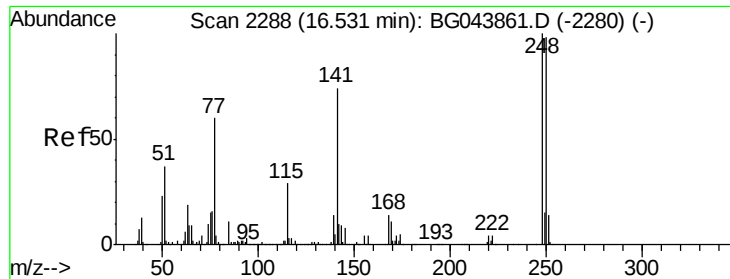


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BGC

Ion 105.00 (104.70 to 105.70): E

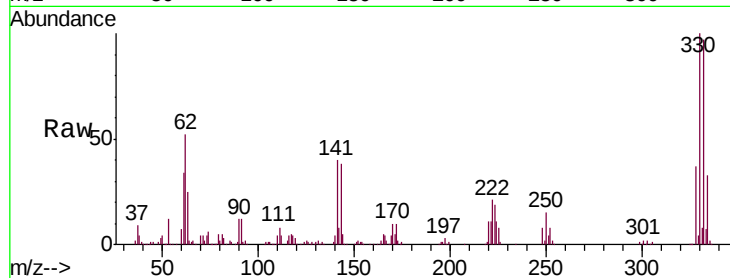




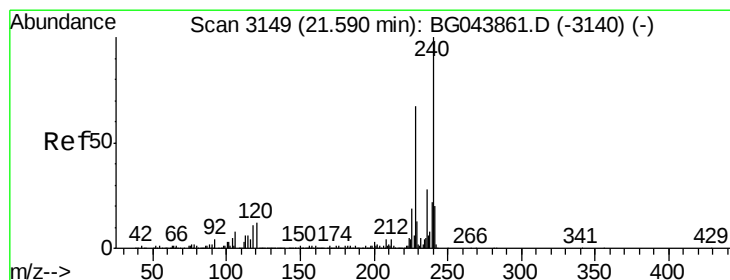
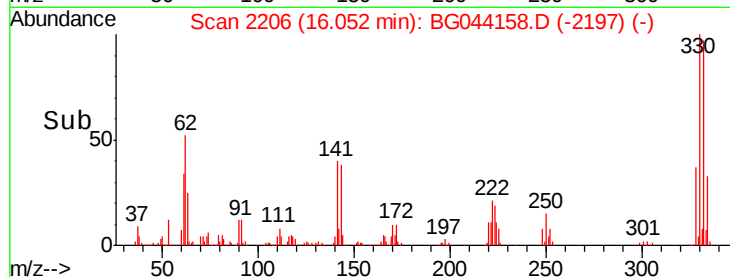
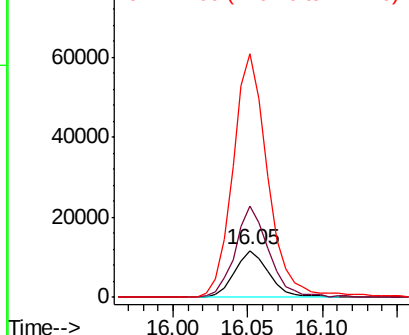
#67
 4-Bromophenyl-phenylether
 Concen: 3.292 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. -0.48 min
 Lab File: BG044158.D
 Acq: 22 Jan 2020 15:03

Instrument :
 BNA_G
 ClientSampleId :
 SB-01-COMP

Tgt Ion:248 Resp: 18404
 Ion Ratio Lower Upper
 248 100
 250 195.1 78.2 117.2#
 141 516.7 59.3 88.9#

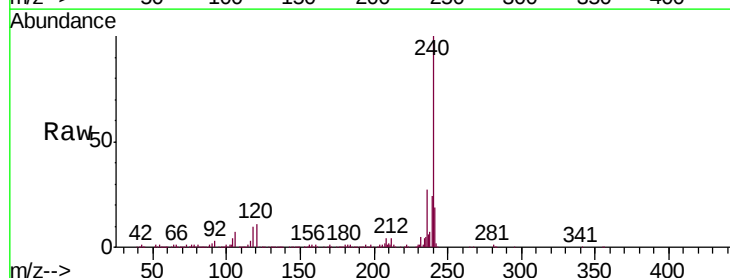


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

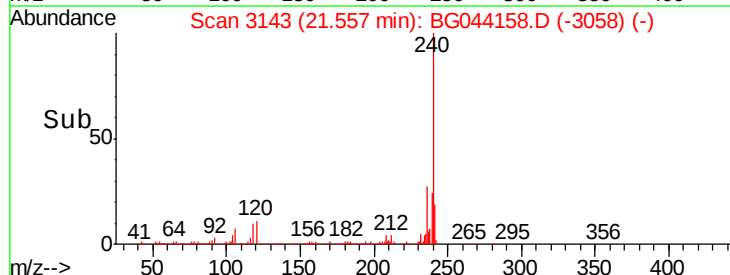
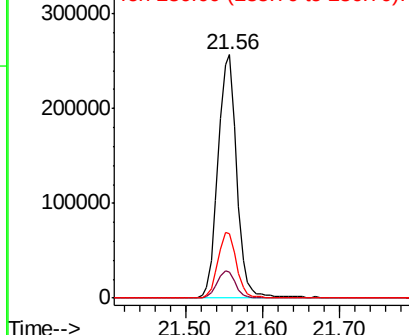


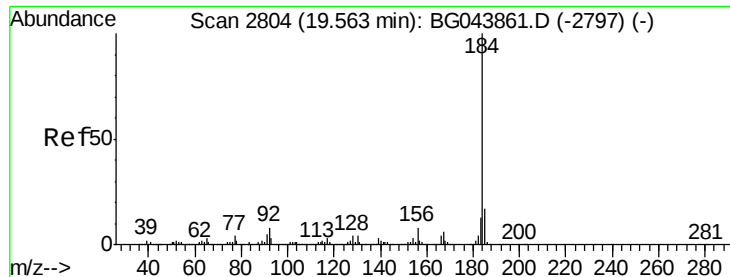
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.56 min Scan# 3143
 Delta R.T. -0.03 min
 Lab File: BG044158.D
 Acq: 22 Jan 2020 15:03

Tgt Ion:240 Resp: 432485
 Ion Ratio Lower Upper
 240 100
 120 10.7 9.6 14.4
 236 26.7 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: 2.158 ng

RT: 19.92 min Scan# 2865

Delta R.T. 0.36 min

Lab File: BG044158.D

Acq: 22 Jan 2020 15:03

Instrument :

BNA_G

ClientSampleId :

SB-01-COMP

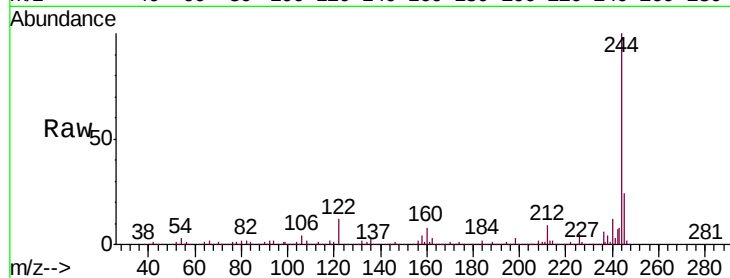
Tgt Ion:184 Resp: 23457

Ion Ratio Lower Upper

184 100

185 13.1 13.4 20.0#

183 6.2 10.6 15.8#

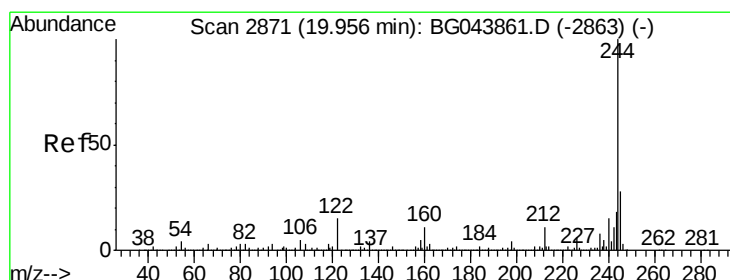
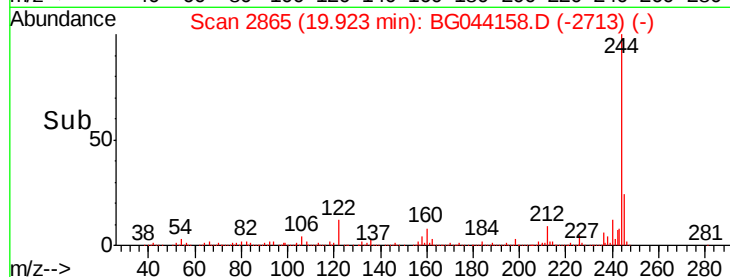
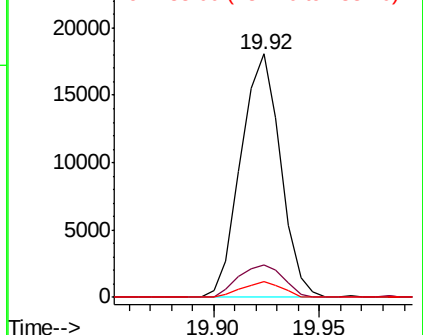


Abundance

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: 78.060 ng

RT: 19.92 min Scan# 2865

Delta R.T. -0.03 min

Lab File: BG044158.D

Acq: 22 Jan 2020 15:03

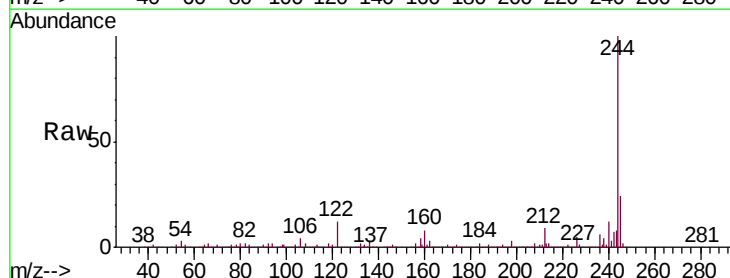
Tgt Ion:244 Resp: 1431462

Ion Ratio Lower Upper

244 100

212 8.7 8.6 13.0

122 11.9 11.9 17.9#

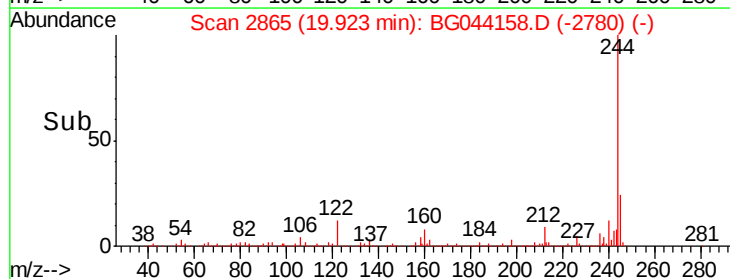
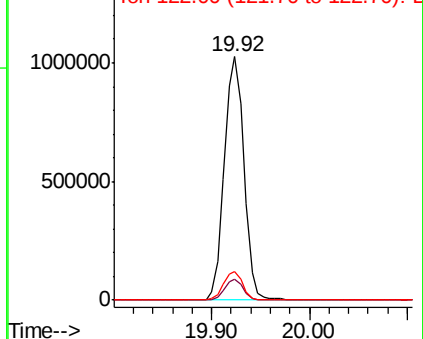


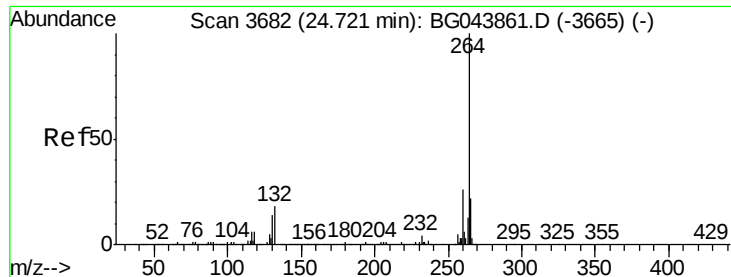
Abundance

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: 24.66 min Scan# 3672
Delta R.T. -0.06 min
Lab File: BG044158.D
Acq: 22 Jan 2020 15:03

Instrument :
BNA_G
ClientSampleId :
SB-01-COMP

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.3	20.4	30.6
265	21.9	17.4	26.2

