

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG091219\
 Data File : BG042808.D
 Acq On : 13 Sep 2019 8:57
 Operator : HP/JU
 Sample : K4825-17
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Sep 13 13:07:20 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG091219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Sep 12 14:06:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.12	152	83672	20.00	ng	0.00
21) Naphthalene-d8	10.93	136	320840	20.00	ng	0.00
39) Acenaphthene-d10	14.73	164	213082	20.00	ng	0.00
64) Phenanthrene-d10	17.48	188	504757	20.00	ng	0.00
76) Chrysene-d12	21.75	240	532546	20.00	ng	-0.01
87) Perylene-d12	25.02	264	579271	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.68	112	639479	132.87	ng	0.00
7) Phenol-d6	7.27	99	852425	123.40	ng	0.00
23) Nitrobenzene-d5	9.27	82	660014	107.10	ng	0.00
42) 2,4,6-Tribromophenol	16.22	330	426300	150.38	ng	0.00
45) 2-Fluorobiphenyl	13.36	172	1388310	103.13	ng	0.00
79) Terphenyl-d14	20.09	244	2366911	98.50	ng	0.00

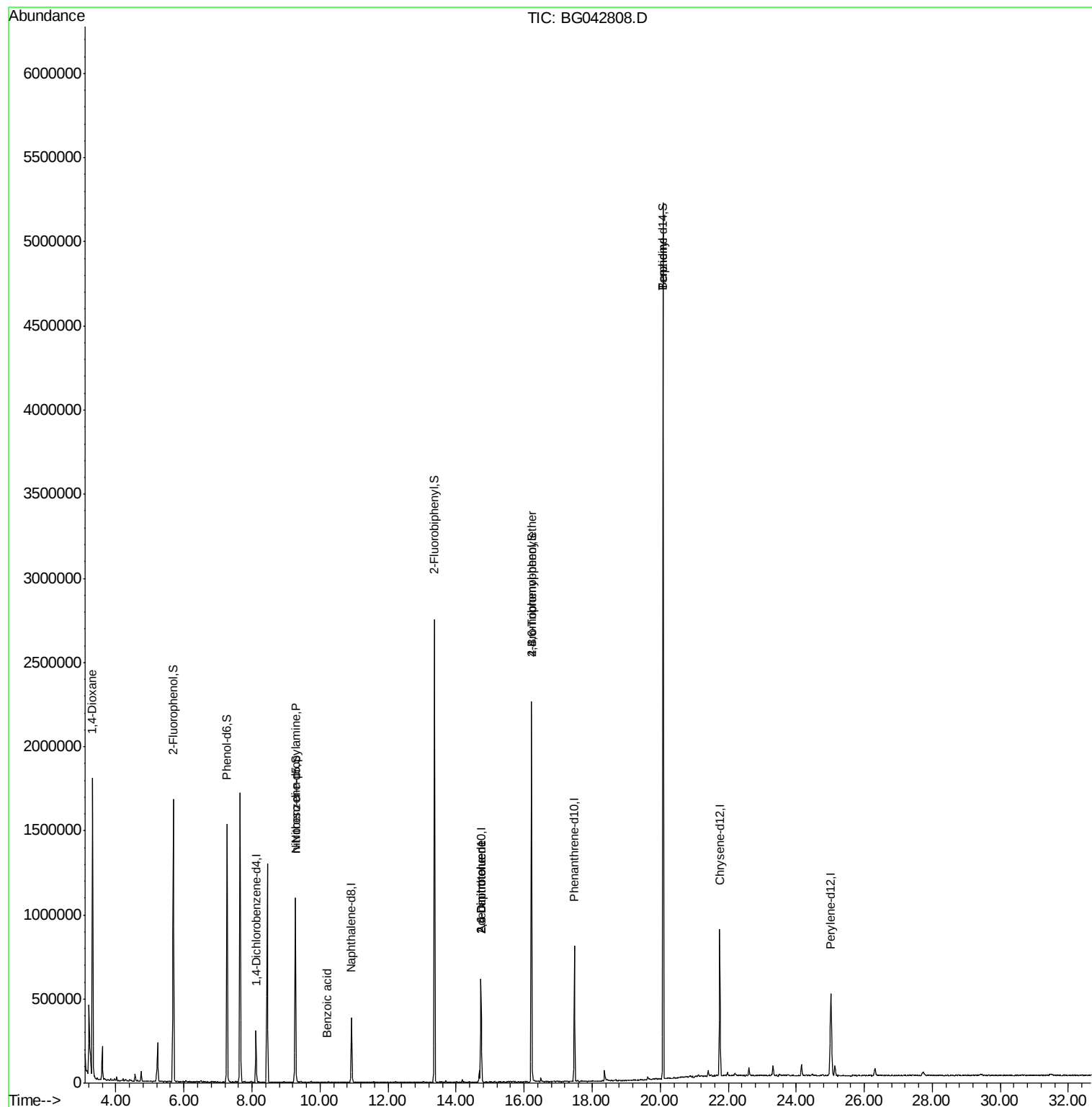
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.31	88	15734	7.163	ng	# 1
19) n-Nitroso-di-n-propylamine	9.27	70	91459	17.968	ng	# 72
32) Benzoic acid	10.20	122	81	5.984	ng	# 1
51) 2,6-Dinitrotoluene	14.73	165	29719	9.074	ng	# 20
57) 2,4-Dinitrotoluene	14.73	165	29719	6.807	ng	# 24
67) 4-Bromophenyl-phenylether	16.21	248	29337	4.802	ng	# 1
77) Benzidine	20.09	184	42804	2.877	ng	# 91

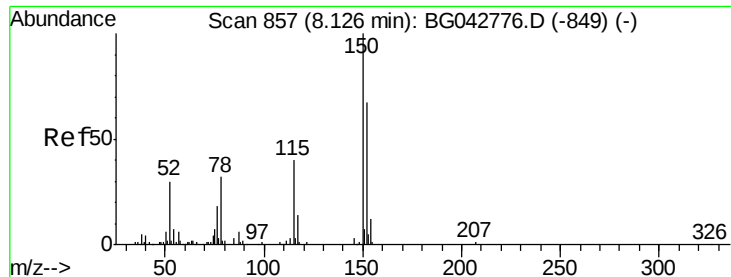
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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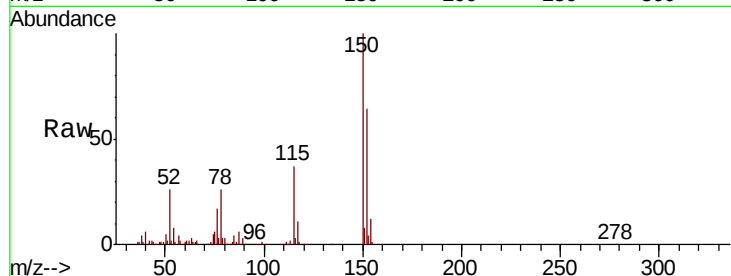


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.12 min Scan# 856
Delta R.T. -0.01 min
Lab File: BG042808.D
Acq: 13 Sep 2019 8:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.4	118.9	178.3
115	58.0	47.4	71.2

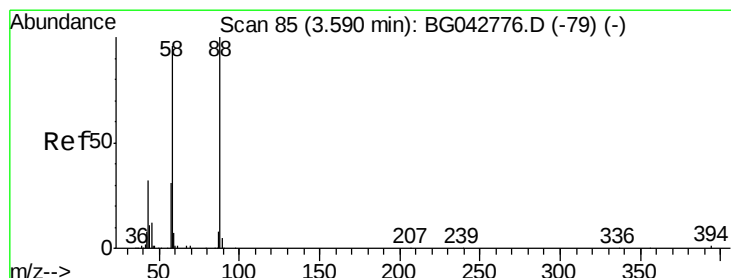
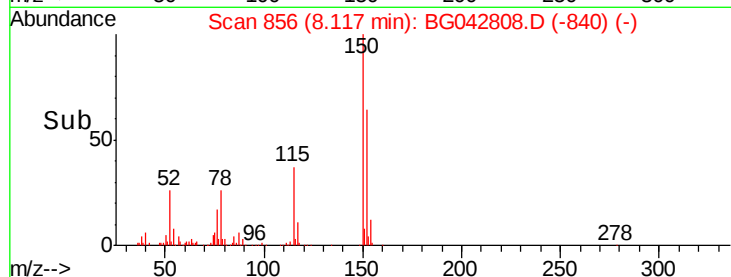
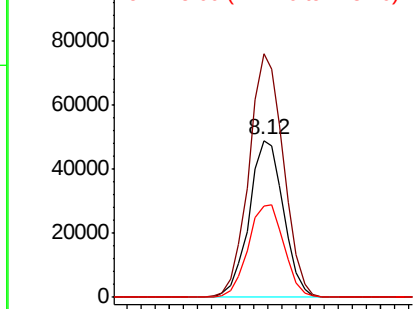


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

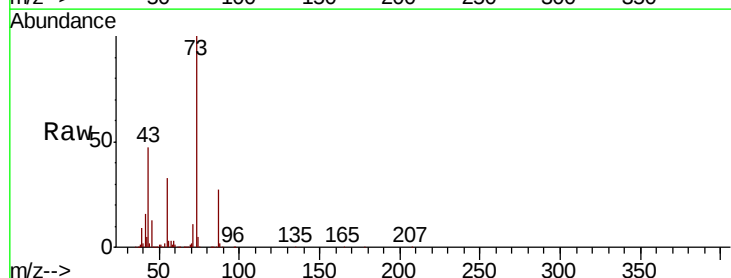
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 7.163 ng
RT: 3.31 min Scan# 38
Delta R.T. -0.28 min
Lab File: BG042808.D
Acq: 13 Sep 2019 8:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	42.3	79.1	118.7#
43	2897.0	30.4	45.6#

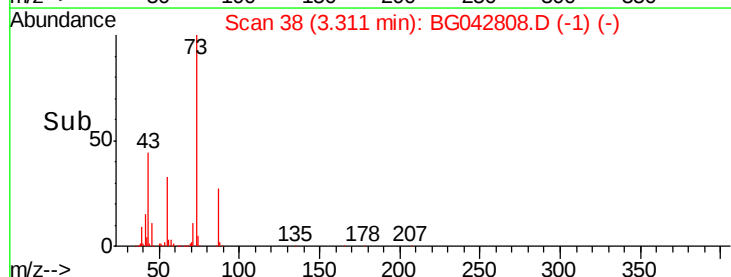
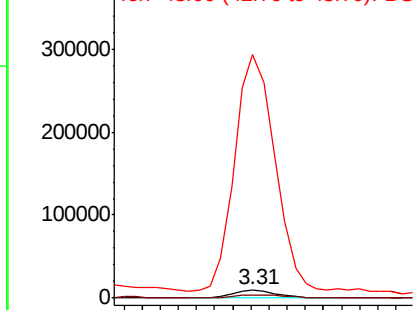


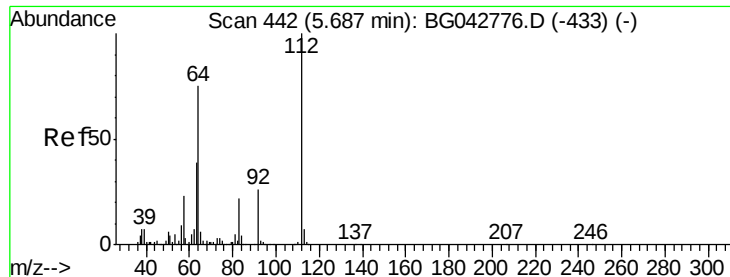
Abundance

Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 132.872 ng

RT: 5.68 min Scan# 442

Delta R.T. -0.00 min

Lab File: BG042808.D

Acq: 13 Sep 2019 8:57

Instrument :

BNA_G

ClientSampleId :

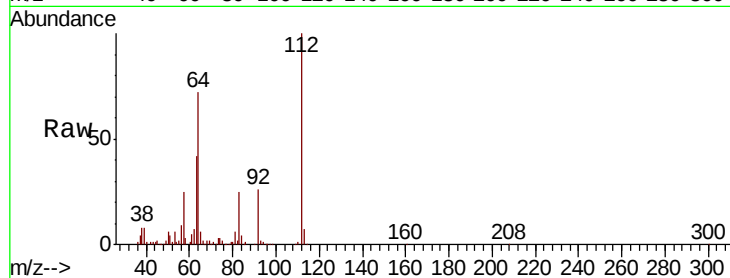
Tot Ion:112 Resp: 639479

Ion Ratio Lower Upper

112 100

64 71.9 60.2 90.2

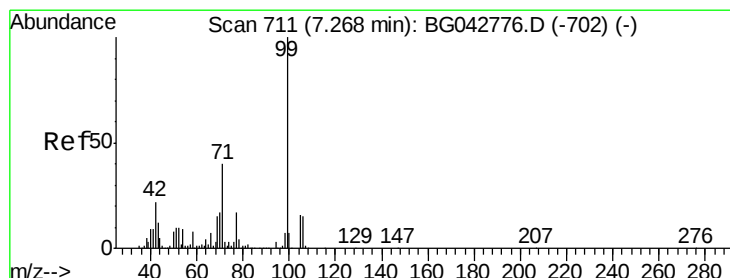
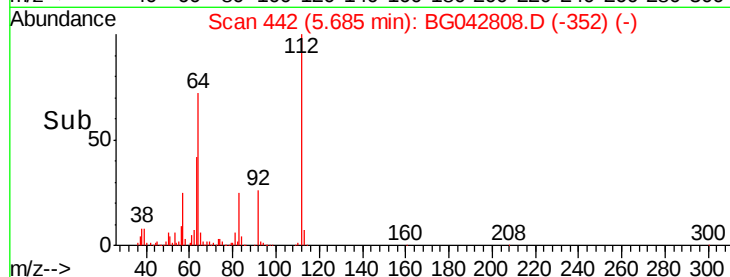
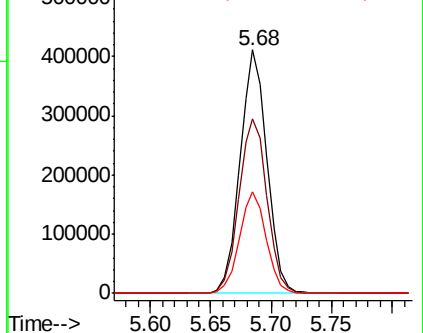
63 41.7 31.2 46.8



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 123.398 ng

RT: 7.27 min Scan# 711

Delta R.T. -0.00 min

Lab File: BG042808.D

Acq: 13 Sep 2019 8:57

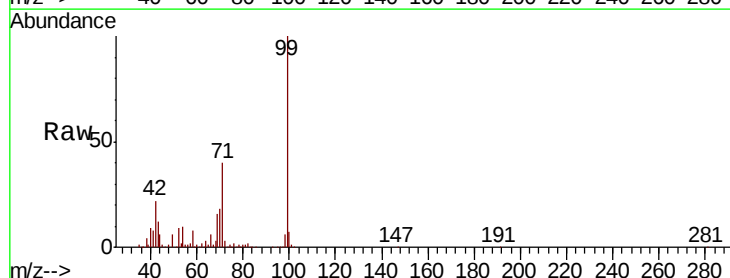
Tgt Ion: 99 Resp: 852425

Ion Ratio Lower Upper

99 100

42 22.4 17.5 26.3

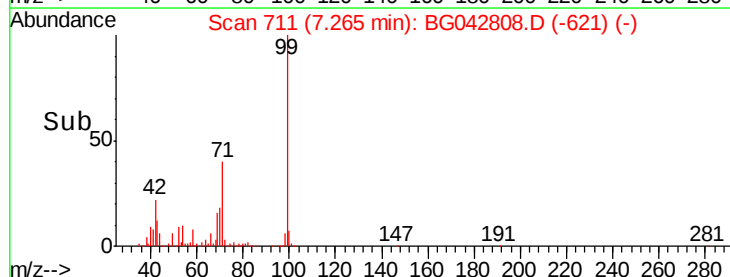
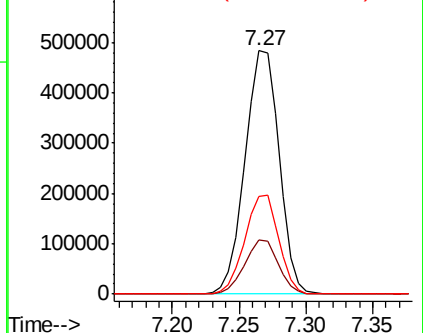
71 40.3 32.0 48.0

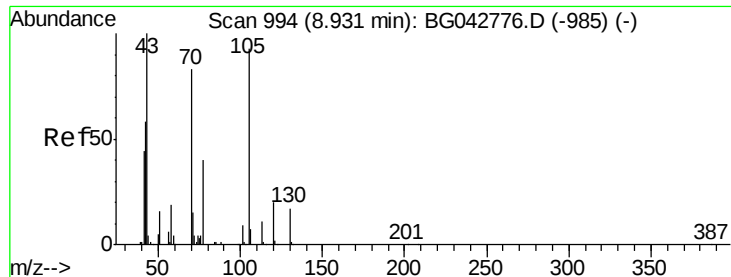


Abundance Ion 99.00 (98.70 to 99.70): BGC

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: 17.968 ng

RT: 9.27 min Scan# 1053

Delta R.T. 0.34 min

Lab File: BG042808.D

Acq: 13 Sep 2019 8:57

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 70 Resp: 91459

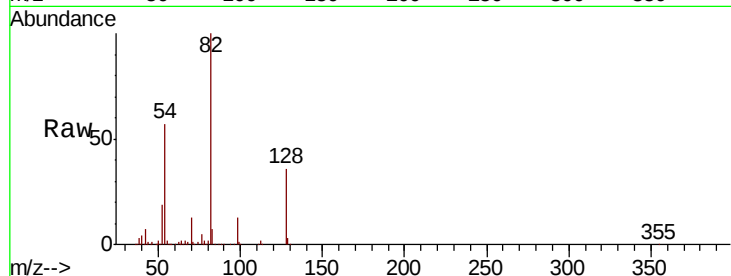
Ion Ratio Lower Upper

70 100

42 51.4 57.0 85.6#

101 0.0 8.4 12.6#

130 1.7 16.1 24.1#

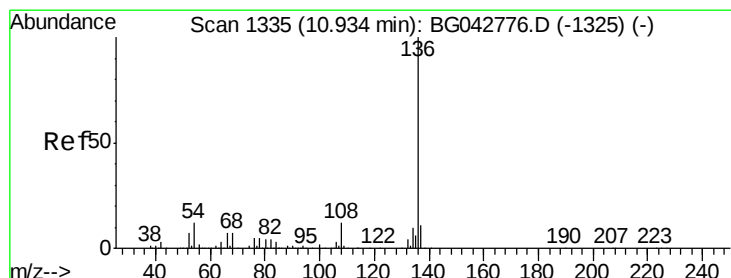
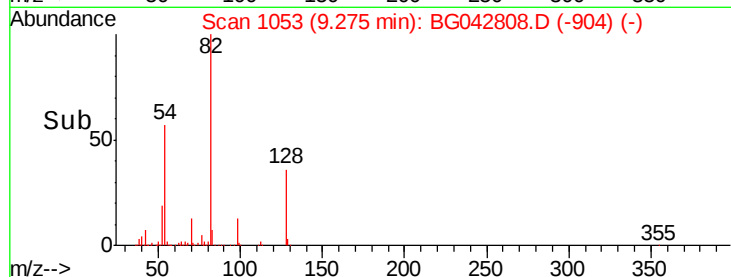
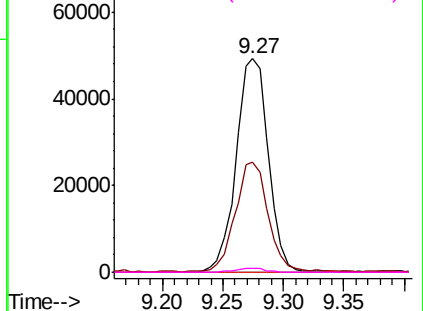


Abundance Ion 70.00 (69.70 to 70.70): BGC

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: 10.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BG042808.D

Acq: 13 Sep 2019 8:57

Tgt Ion: 136 Resp: 320840

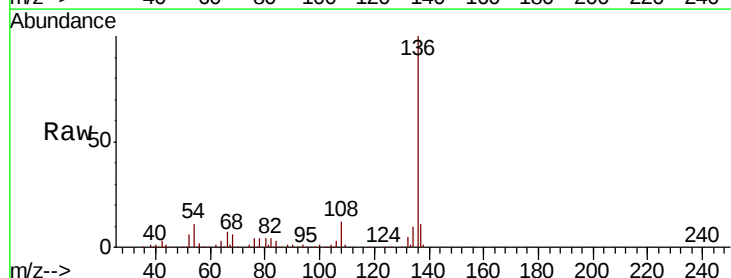
Ion Ratio Lower Upper

136 100

137 11.2 9.0 13.6

54 11.4 9.4 14.0

68 6.4 5.4 8.2

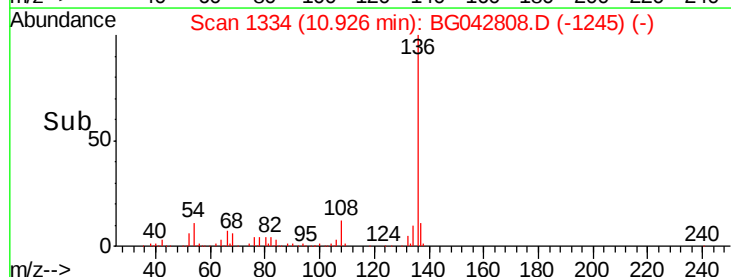
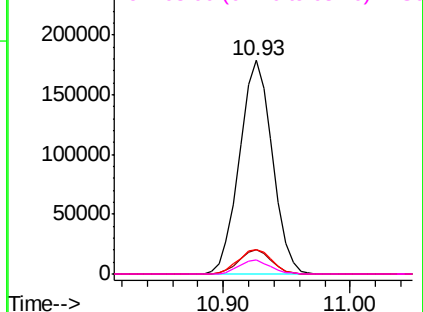


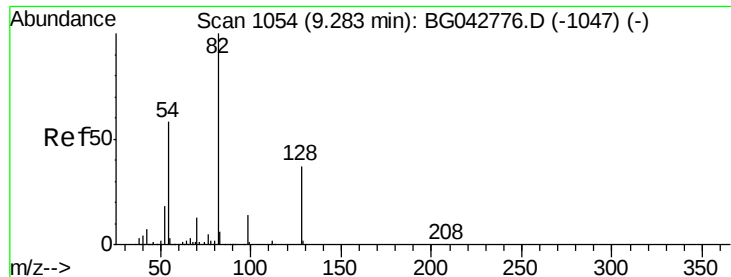
Abundance Ion 136.00 (135.70 to 136.70): BGC

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

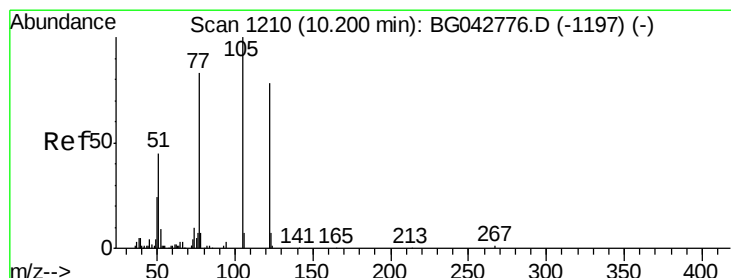
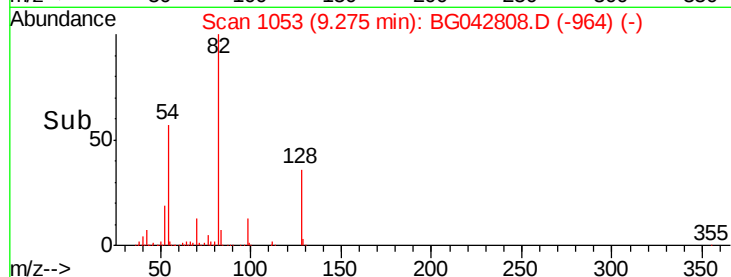
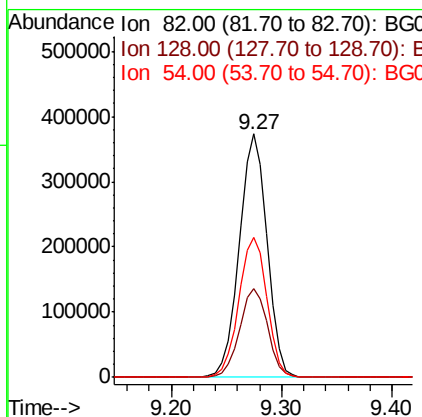
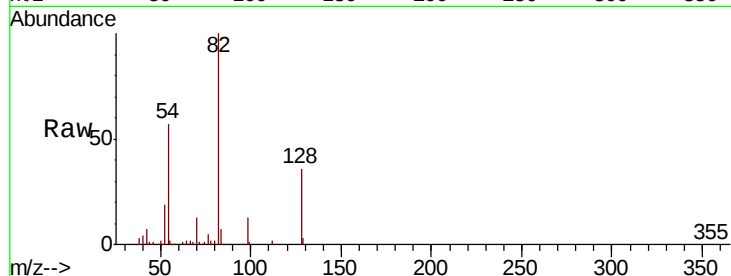




#23
 Nitrobenzene-d5
 Concen: 107.100 ng
 RT: 9.27 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: BG042808.D
 Acq: 13 Sep 2019 8:57

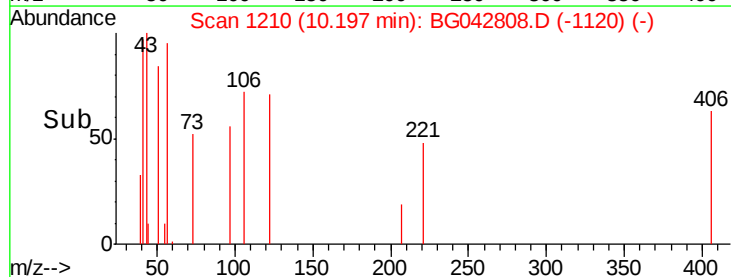
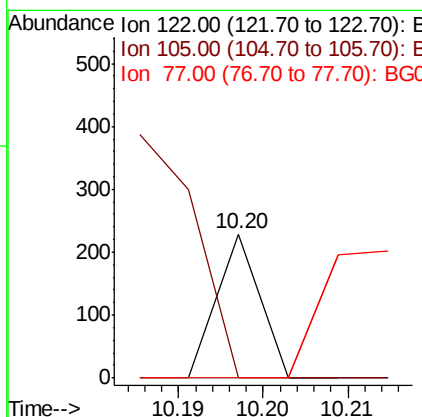
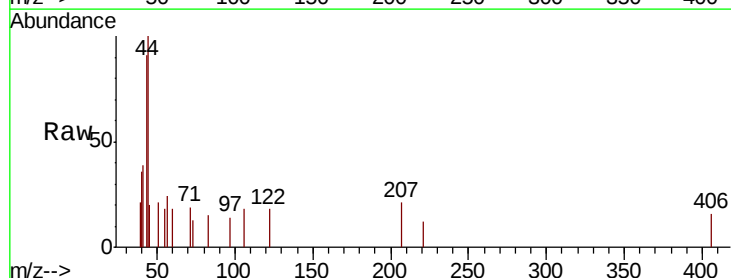
Instrument :
 BNA_G
 ClientSampleId :

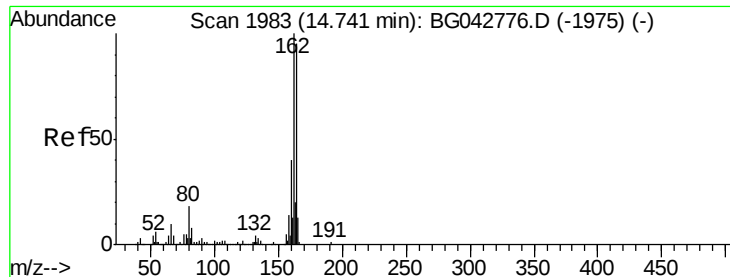
Tot Ion	82	Resp	660014
Ion Ratio	Lower	Upper	
82	100		
128	36.4	29.8	44.8
54	57.5	46.1	69.1



#32
 Benzoic acid
 Concen: 5.984 ng
 RT: 10.20 min Scan# 1210
 Delta R.T. -0.00 min
 Lab File: BG042808.D
 Acq: 13 Sep 2019 8:57

Tgt Ion	122	Resp	81
Ion Ratio	Lower	Upper	
122	100		
105	0.0	104.0	144.0#
77	0.0	84.2	124.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BG042808.D

Acq: 13 Sep 2019 8:57

Instrument :

BNA_G

ClientSampleId :

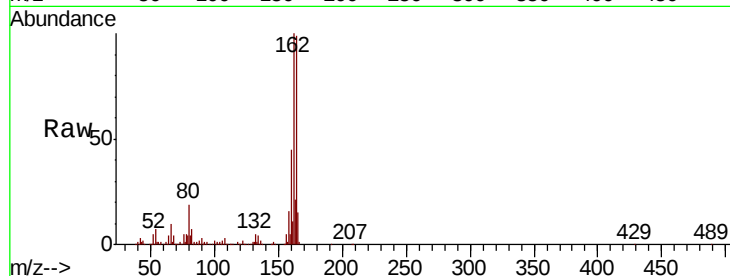
Tot Ion:164 Resp: 213082

Ion Ratio Lower Upper

164 100

162 101.5 84.6 126.8

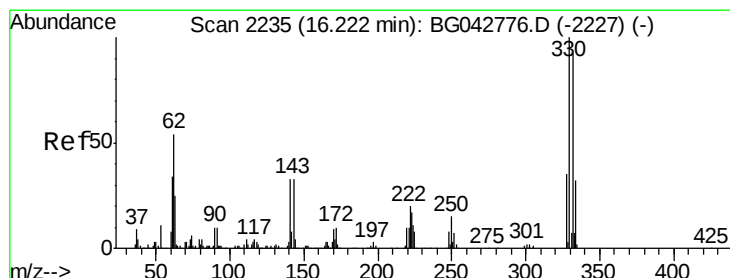
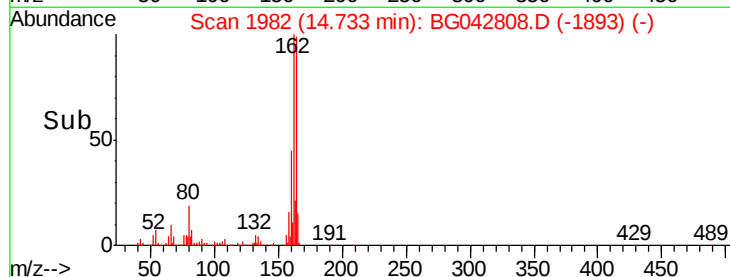
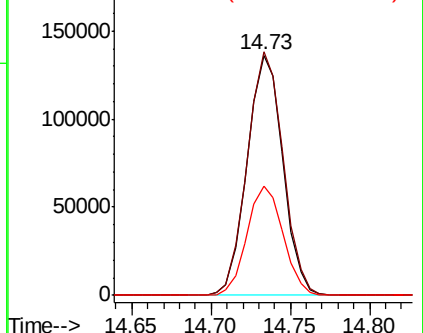
160 45.5 34.2 51.2



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: 150.376 ng

RT: 16.22 min Scan# 2235

Delta R.T. -0.00 min

Lab File: BG042808.D

Acq: 13 Sep 2019 8:57

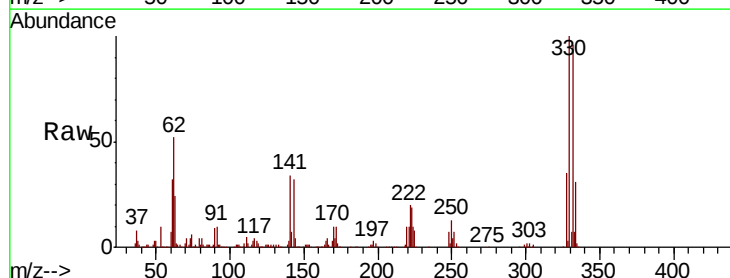
Tgt Ion:330 Resp: 426300

Ion Ratio Lower Upper

330 100

332 97.0 76.7 115.1

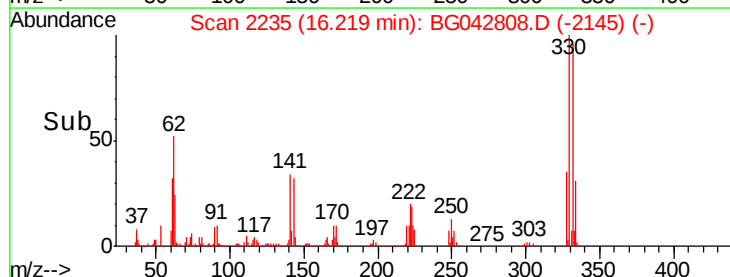
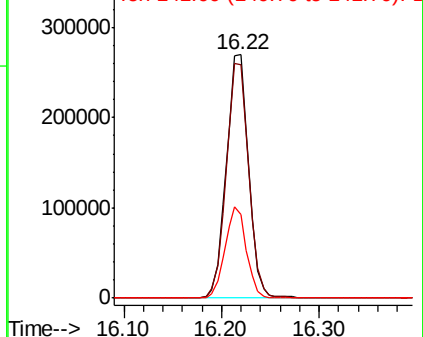
141 35.9 27.0 40.6

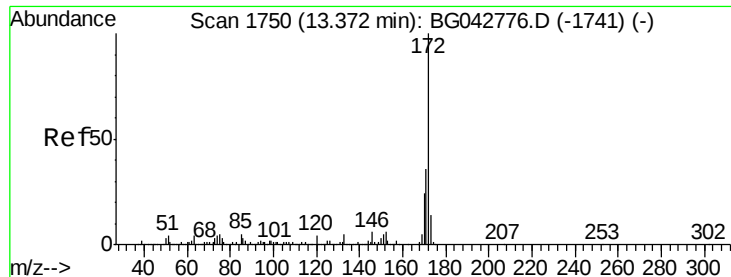


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

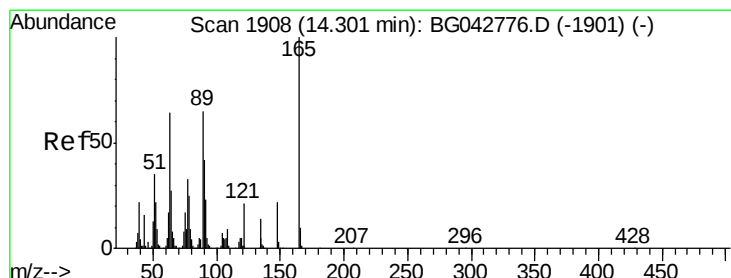
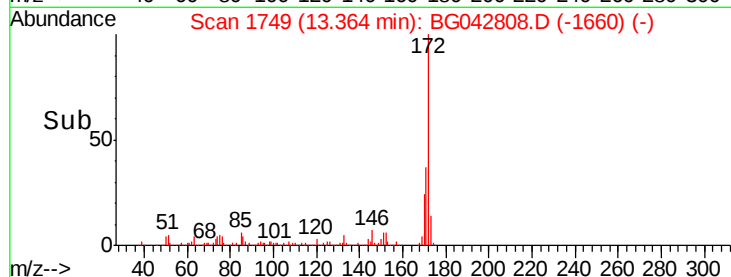
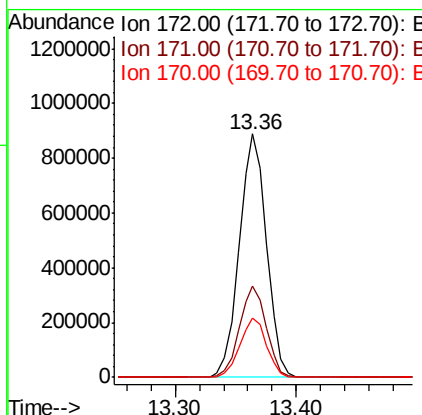
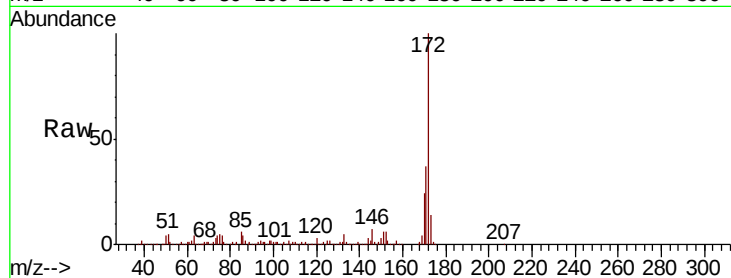




#45
 2-Fluorobiphenyl
 Concen: 103.134 ng
 RT: 13.36 min Scan# 1749
 Delta R.T. -0.01 min
 Lab File: BG042808.D
 Acq: 13 Sep 2019 8:57

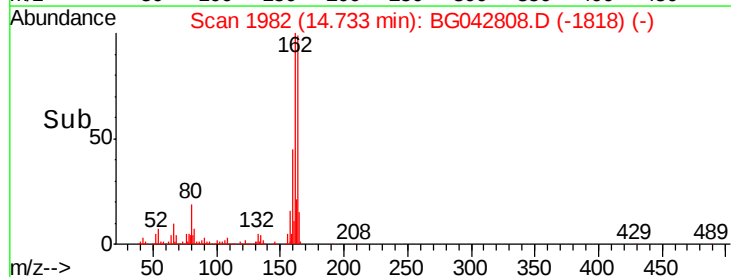
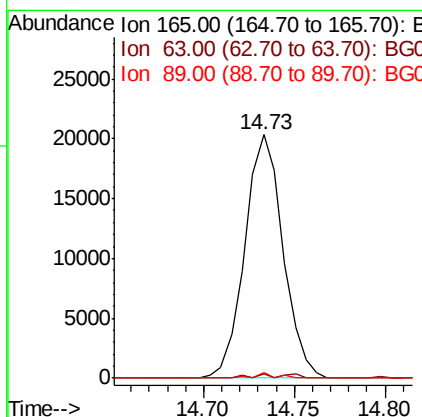
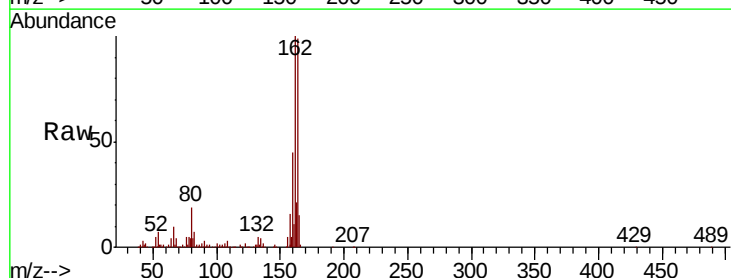
Instrument :
 BNA_G
 ClientSampleId :

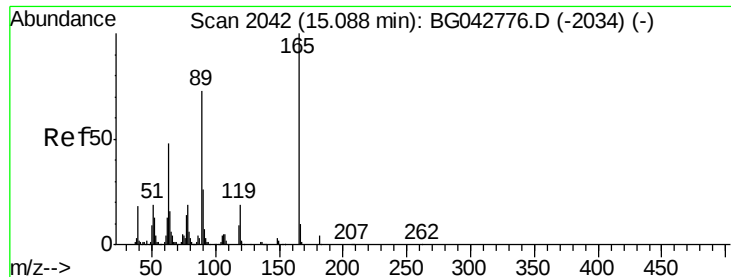
Tot Ion:172 Resp: 1388310
 Ion Ratio Lower Upper
 172 100
 171 37.4 28.9 43.3
 170 24.5 19.1 28.7



#51
 2,6-Dinitrotoluene
 Concen: 9.074 ng
 RT: 14.73 min Scan# 1982
 Delta R.T. 0.43 min
 Lab File: BG042808.D
 Acq: 13 Sep 2019 8:57

Tgt Ion:165 Resp: 29719
 Ion Ratio Lower Upper
 165 100
 63 1.7 52.1 78.1#
 89 2.0 51.7 77.5#





#57

2,4-Dinitrotoluene

Concen: 6.807 ng

RT: 14.73 min Scan# 1982

Delta R.T. -0.36 min

Lab File: BG042808.D

Acq: 13 Sep 2019 8:57

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 29719

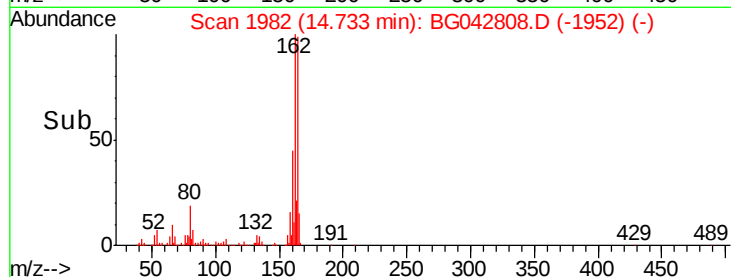
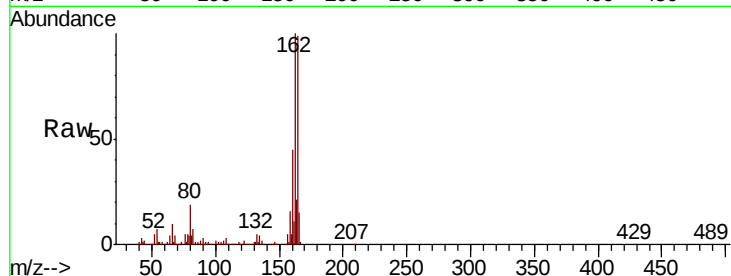
Ion Ratio Lower Upper

165 100

63 1.7 38.3 57.5#

89 2.0 58.4 87.6#

182 0.0 2.9 4.3#

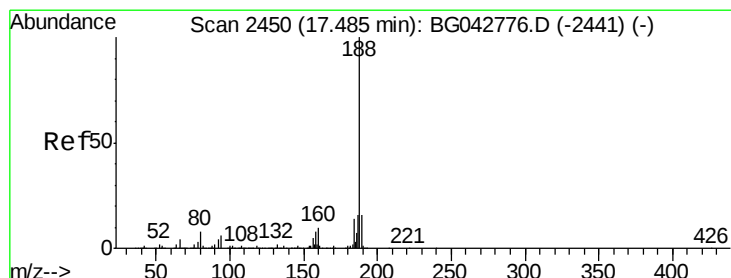
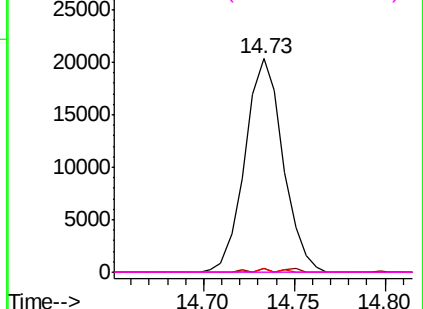


Abundance Ion 165.00 (164.70 to 165.70): E

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: 17.48 min Scan# 2449

Delta R.T. -0.01 min

Lab File: BG042808.D

Acq: 13 Sep 2019 8:57

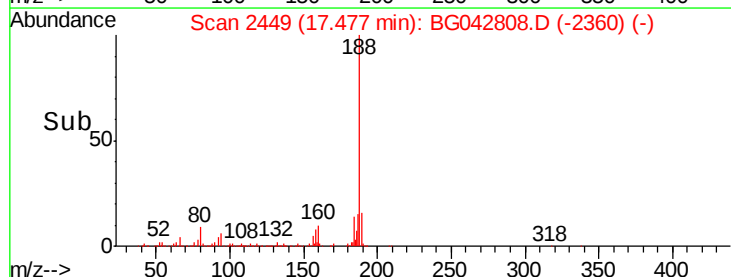
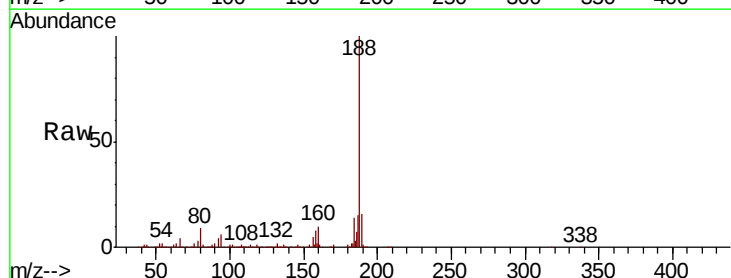
Tgt Ion:188 Resp: 504757

Ion Ratio Lower Upper

188 100

94 6.5 4.8 7.2

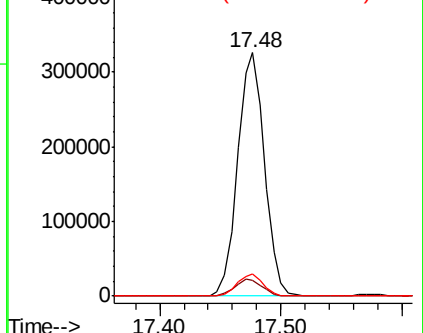
80 9.4 6.6 9.8

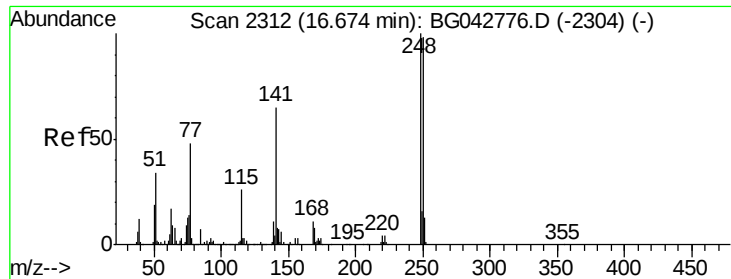


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC

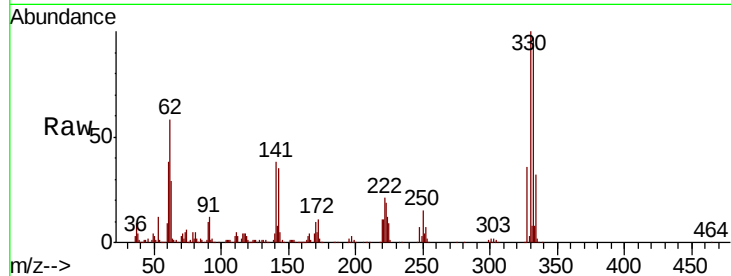




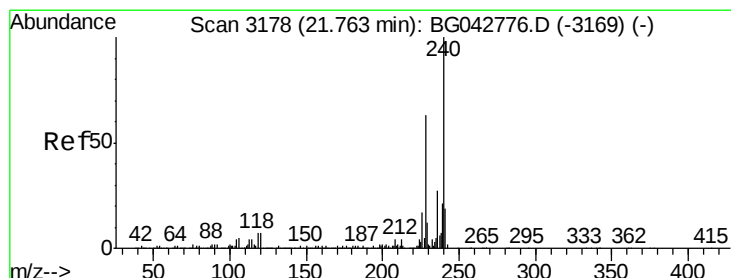
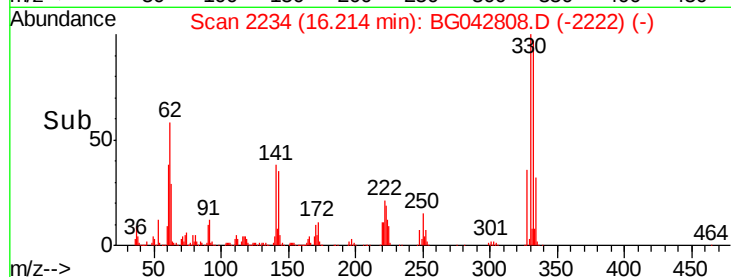
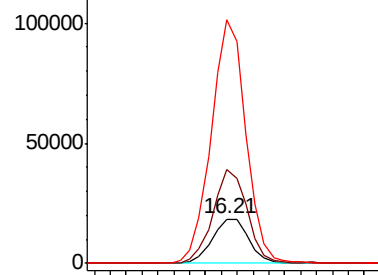
#67
 4-Bromophenyl-phenylether
 Concen: 4.802 ng
 RT: 16.21 min Scan# 2234
 Delta R.T. -0.46 min
 Lab File: BG042808.D
 Acq: 13 Sep 2019 8:57

Instrument :
 BNA_G
 ClientSampled :

Tot Ion:248 Resp: 29337
 Ion Ratio Lower Upper
 248 100
 250 213.9 78.0 117.0#
 141 553.6 51.8 77.6#

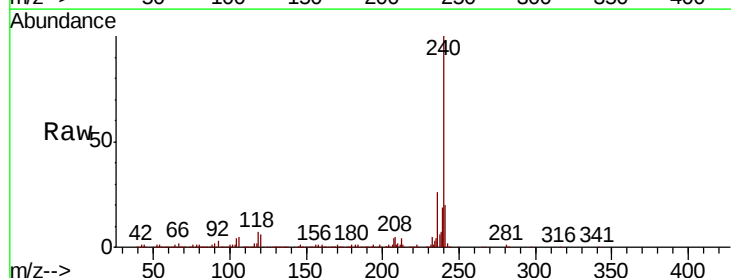


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

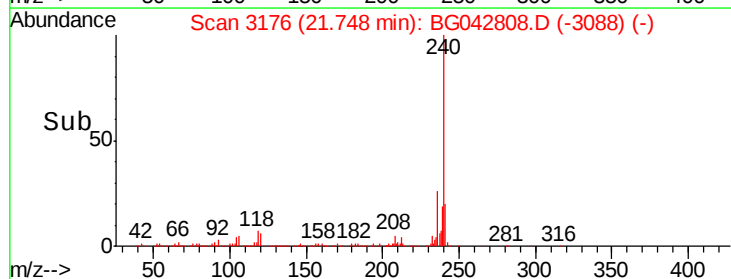
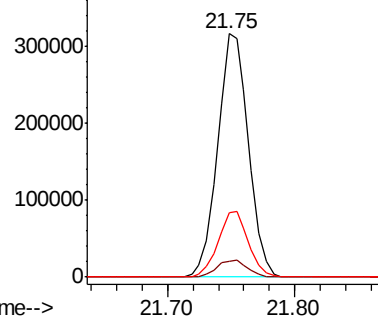


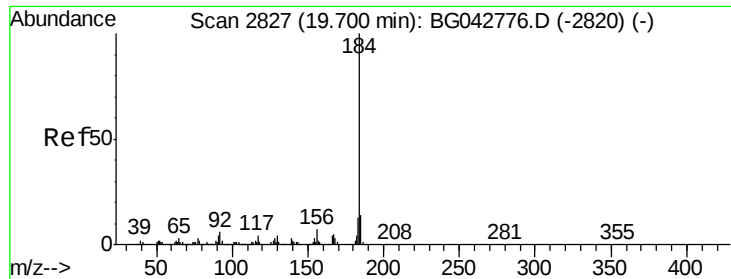
#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.75 min Scan# 3176
 Delta R.T. -0.01 min
 Lab File: BG042808.D
 Acq: 13 Sep 2019 8:57

Tgt Ion:240 Resp: 532546
 Ion Ratio Lower Upper
 240 100
 120 6.4 5.4 8.2
 236 26.4 21.7 32.5



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: 2.877 ng

RT: 20.09 min Scan# 2893

Delta R.T. 0.39 min

Lab File: BG042808.D

Acq: 13 Sep 2019 8:57

Instrument :

BNA_G

ClientSampleId :

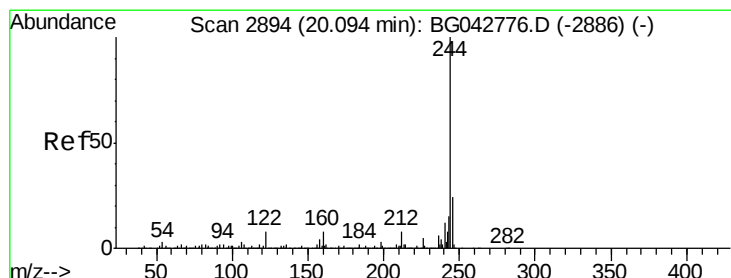
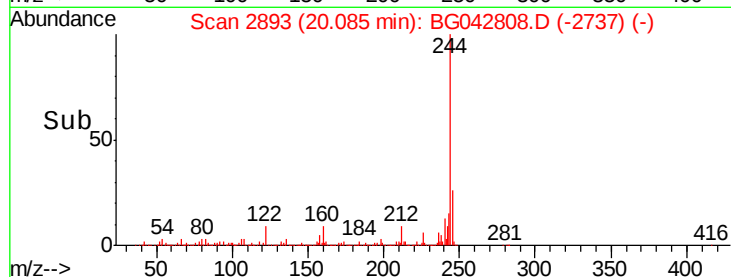
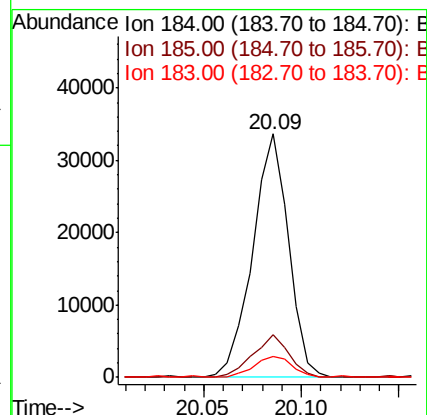
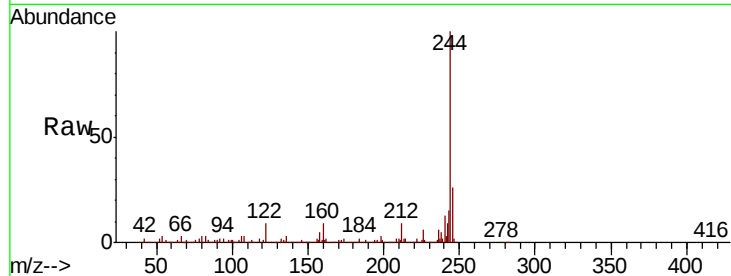
Tot Ion:184 Resp: 42804

Ion Ratio Lower Upper

184 100

185 17.5 11.6 17.4#

183 8.4 10.4 15.6#



#79

Terphenyl-d14

Concen: 98.503 ng

RT: 20.09 min Scan# 2893

Delta R.T. -0.01 min

Lab File: BG042808.D

Acq: 13 Sep 2019 8:57

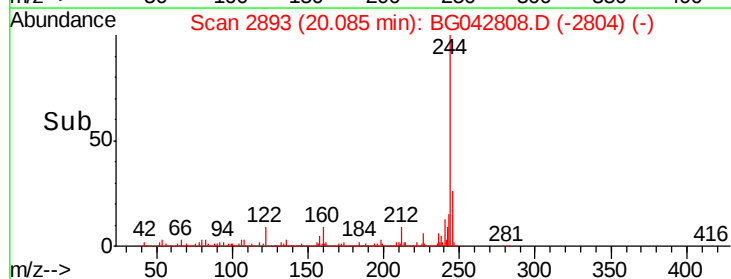
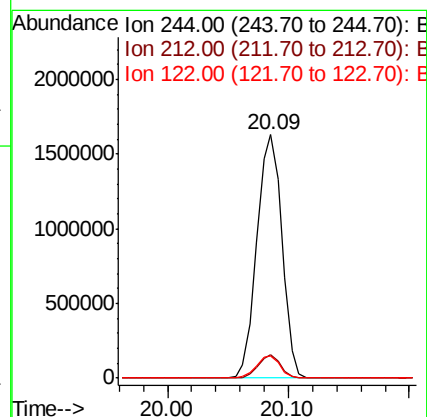
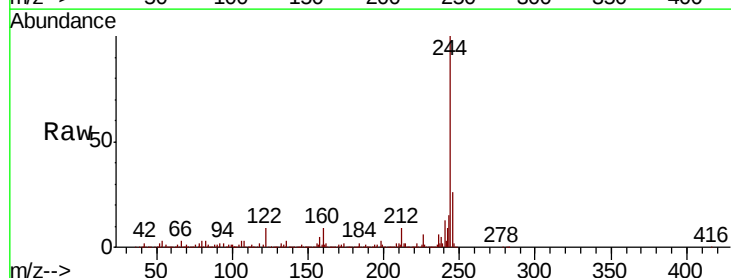
Tgt Ion:244 Resp: 2366911

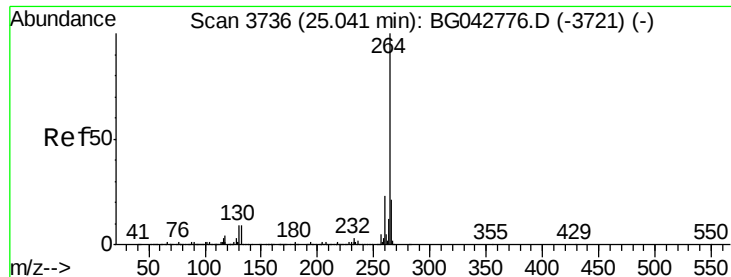
Ion Ratio Lower Upper

244 100

212 9.4 6.6 10.0

122 8.9 6.2 9.4





#87
Pervlene-d12
Concen: 20.000 ng
RT: 25.02 min Scan# 3733
Delta R.T. -0.02 min
Lab File: BG042808.D
Acq: 13 Sep 2019 8:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.2	27.2
265	21.4	16.9	25.3

