

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102519\
 Data File : BG043342.D
 Acq On : 25 Oct 2019 16:45
 Operator : JU
 Sample : K5145-06
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 HD-02-102319

Quant Time: Oct 25 17:41:27 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG102119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 21 16:37:43 2019
 Response via : Initial Calibration

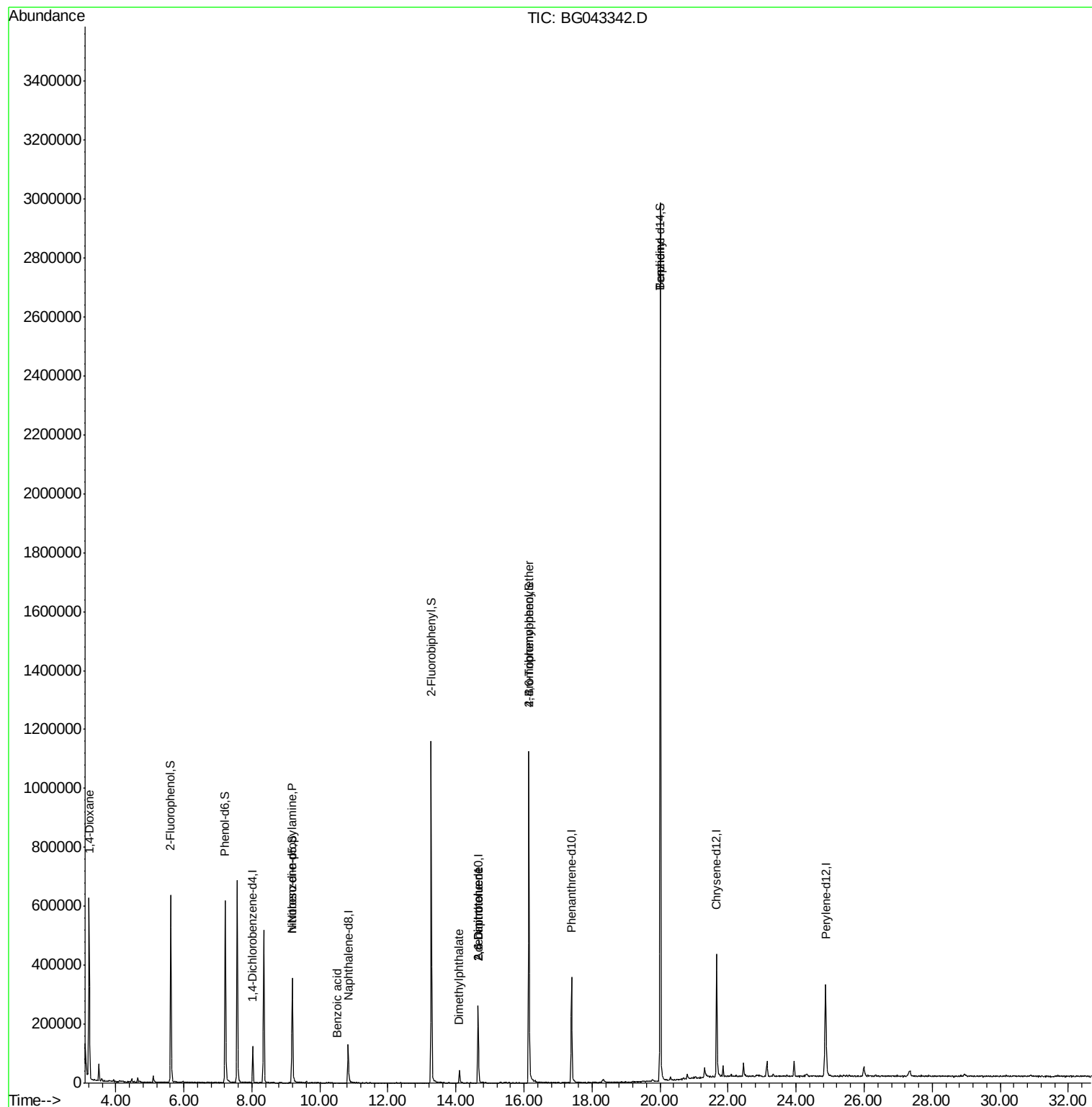
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.03	152	37696	20.00	ng	0.00
21) Naphthalene-d8	10.83	136	128767	20.00	ng	0.00
39) Acenaphthene-d10	14.65	164	101794	20.00	ng	0.00
64) Phenanthrene-d10	17.40	188	255293	20.00	ng	0.00
76) Chrysene-d12	21.66	240	293422	20.00	ng	0.00
87) Perylene-d12	24.87	264	340849	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.62	112	288517	140.25	ng	0.01
7) Phenol-d6	7.22	99	396126	133.84	ng	0.01
23) Nitrobenzene-d5	9.19	82	239937	96.06	ng	0.00
42) 2,4,6-Tribromophenol	16.15	330	277389	143.19	ng	0.00
45) 2-Fluorobiphenyl	13.27	172	676844	91.88	ng	0.00
79) Terphenyl-d14	20.01	244	1510685	96.59	ng	0.00
Target Compounds						
2) 1,4-Dioxane	3.22	88	6844	8.537	ng	# 1
19) n-Nitroso-di-n-propylamine	9.19	70	33817	17.682	ng	# 77
32) Benzoic acid	10.51	122	65	9.091	ng	# 1
50) Dimethylphthalate	14.10	163	39313	4.986	ng	# 98
51) 2,6-Dinitrotoluene	14.65	165	13357	7.798	ng	# 26
57) 2,4-Dinitrotoluene	14.65	165	13357	5.456	ng	# 27
67) 4-Bromophenyl-phenylether	16.14	248	17937	5.221	ng	# 1
77) Benzidine	20.01	184	22703	3.845	ng	# 90

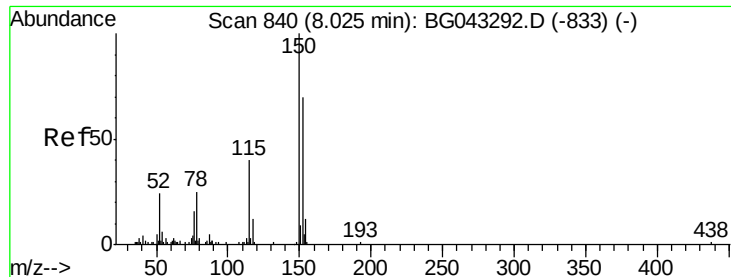
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG102519\
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QLast Update : Mon Oct 21 16:37:43 2019
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.03 min Scan# 840

Delta R.T. 0.00 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

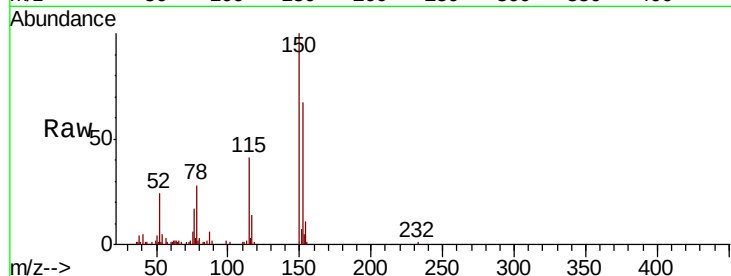
Tot Ion:152 Resp: 37696

Ion Ratio Lower Upper

152 100

150 149.8 113.6 170.4

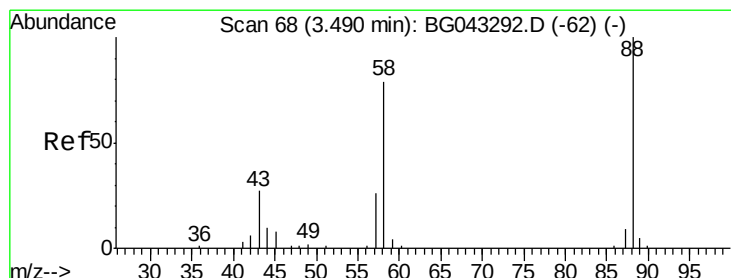
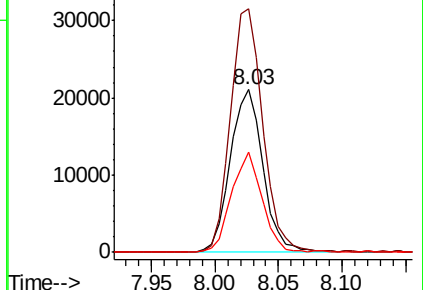
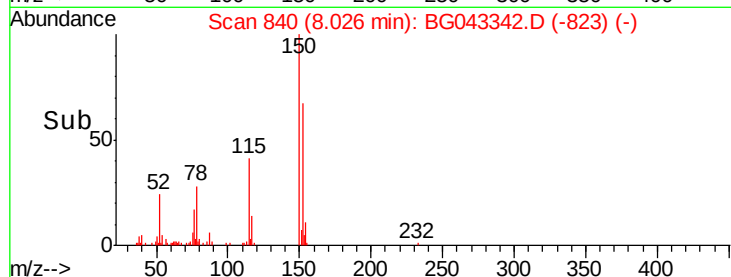
115 61.9 45.9 68.9



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: 8.537 ng

RT: 3.22 min Scan# 22

Delta R.T. -0.27 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

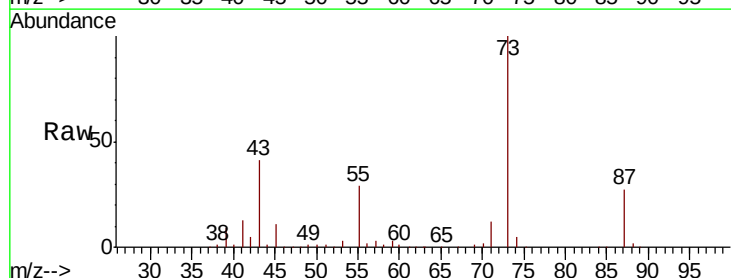
Tgt Ion: 88 Resp: 6844

Ion Ratio Lower Upper

88 100

58 42.5 60.2 90.2#

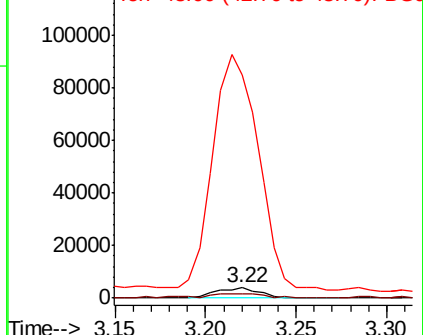
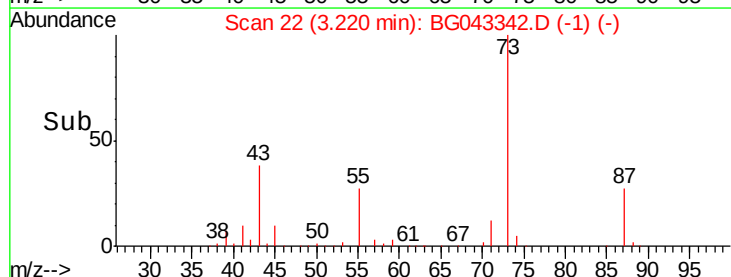
43 2273.8 22.7 34.1#

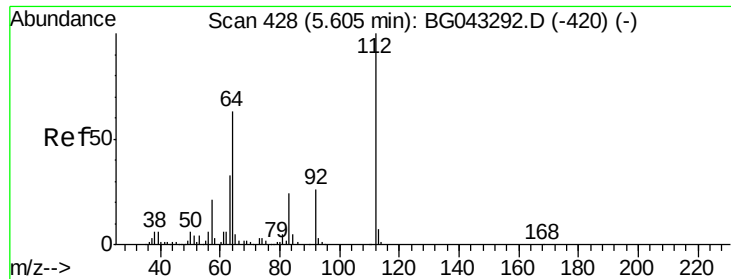


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 140.252 ng

RT: 5.62 min Scan# 430

Delta R.T. 0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

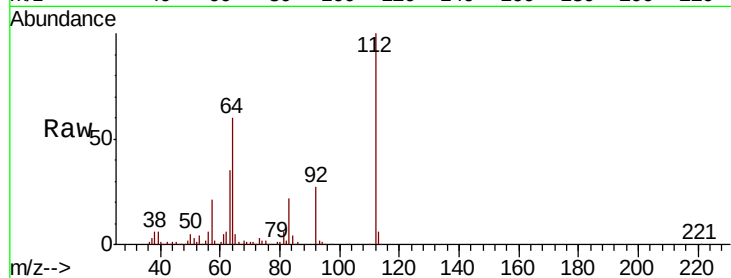
Tot Ion:112 Resp: 288517

Ion Ratio Lower Upper

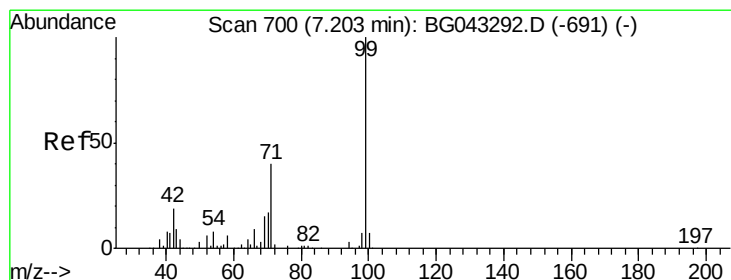
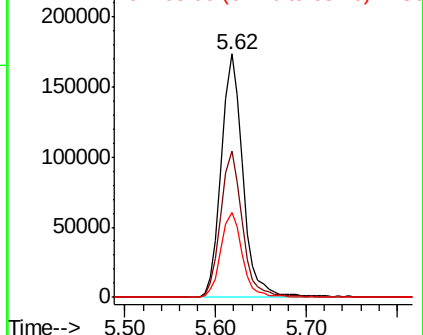
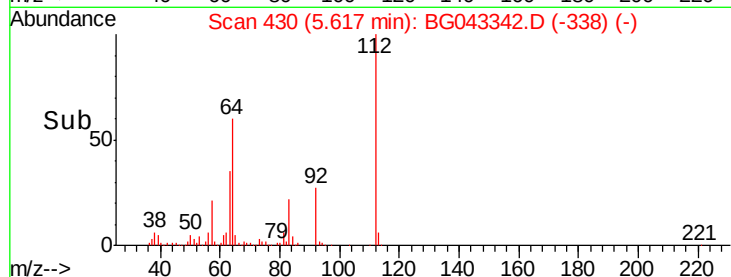
112 100

64 60.2 50.2 75.2

63 35.0 26.7 40.1



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: 133.838 ng

RT: 7.22 min Scan# 702

Delta R.T. 0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

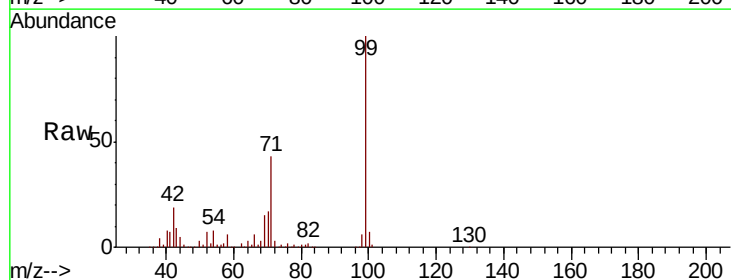
Tgt Ion: 99 Resp: 396126

Ion Ratio Lower Upper

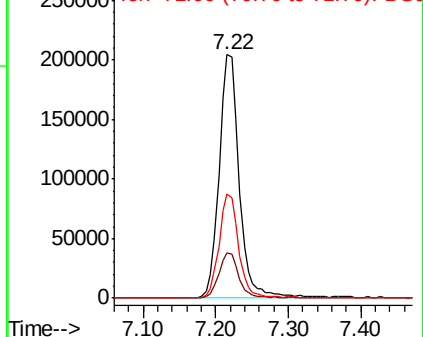
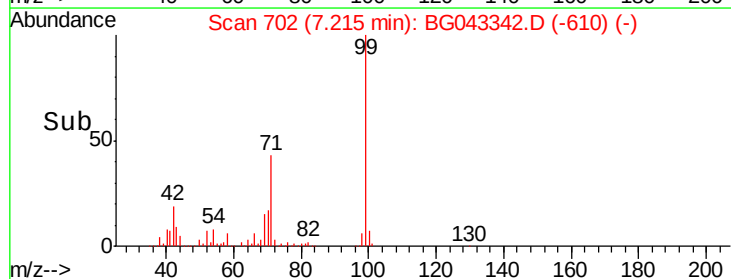
99 100

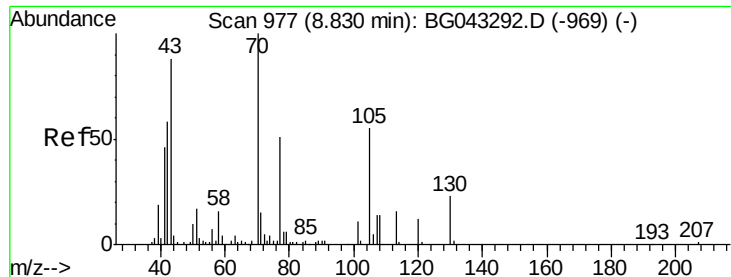
42 18.8 14.9 22.3

71 42.7 32.2 48.2



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

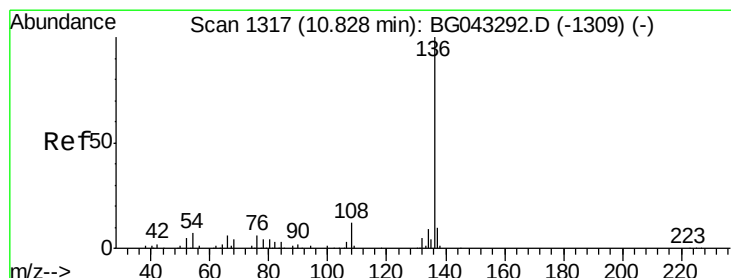
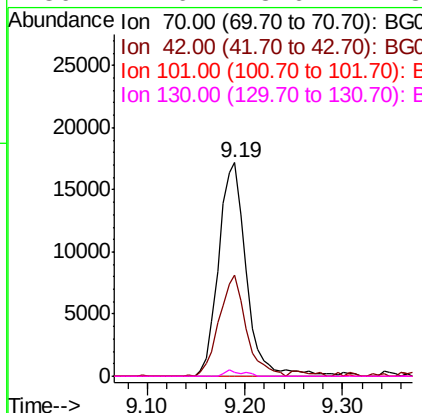
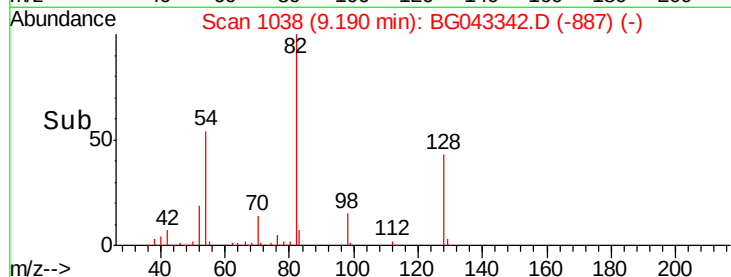
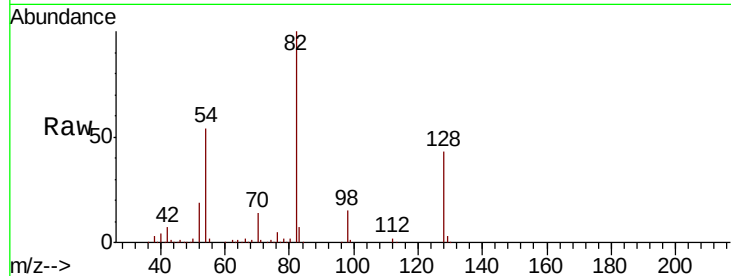




#19
 n-Nitroso-di-n-propylamine
 Concen: 17.682 ng
 RT: 9.19 min Scan# 1038
 Delta R.T. 0.36 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

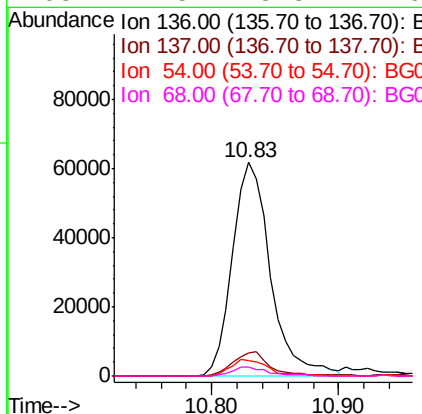
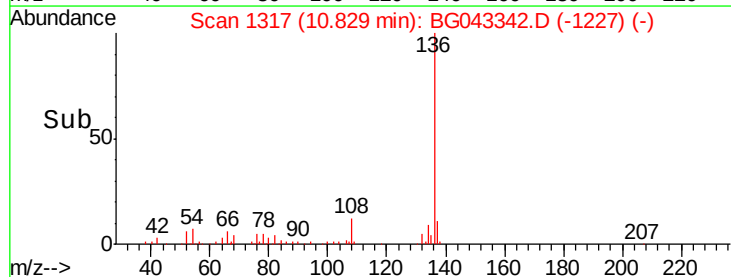
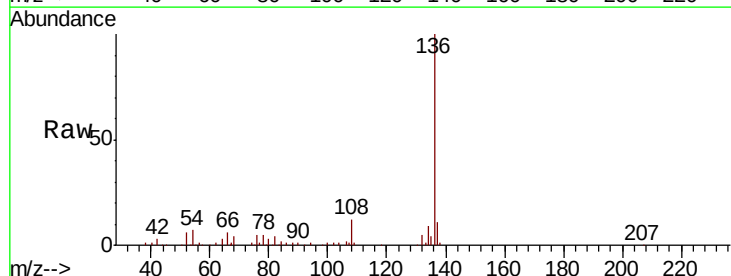
Instrument :
 BNA_G
 ClientSampleId :
 HD-02-102319

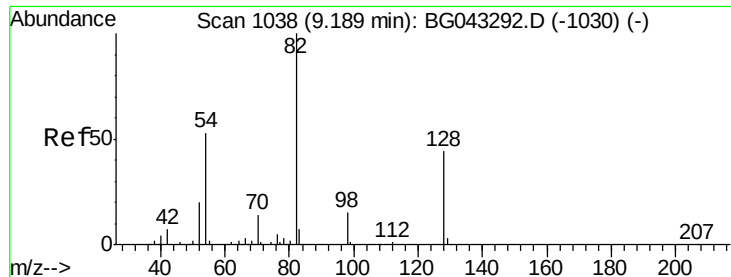
Tot Ion: 70 Resp: 33817
 Ion Ratio Lower Upper
 70 100
 42 47.3 46.2 69.2
 101 0.0 8.6 13.0#
 130 1.6 18.6 27.8#



#21
 Naphthalene-d8
 Concen: 20.000 ng
 RT: 10.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Tgt Ion: 136 Resp: 128767
 Ion Ratio Lower Upper
 136 100
 137 10.8 8.2 12.2
 54 7.4 5.4 8.2
 68 4.5 3.3 4.9





#23

Nitrobenzene-d5

Concen: 96.064 ng

RT: 9.19 min Scan# 1038

Delta R.T. 0.00 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

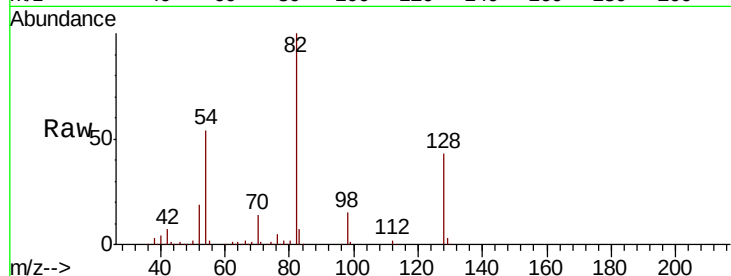
Tot Ion: 82 Resp: 239937

Ion Ratio Lower Upper

82 100

128 43.4 35.3 52.9

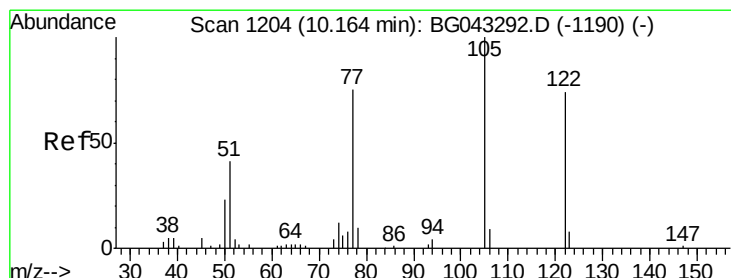
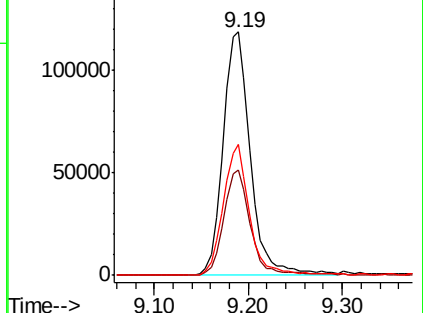
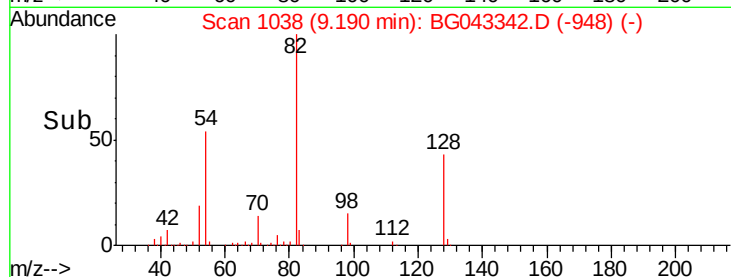
54 54.0 42.3 63.5



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



#32

Benzoic acid

Concen: 9.091 ng

RT: 10.51 min Scan# 1262

Delta R.T. 0.34 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

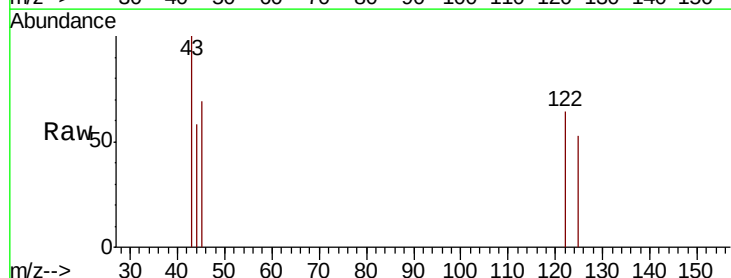
Tgt Ion: 122 Resp: 65

Ion Ratio Lower Upper

122 100

105 0.0 112.4 152.4#

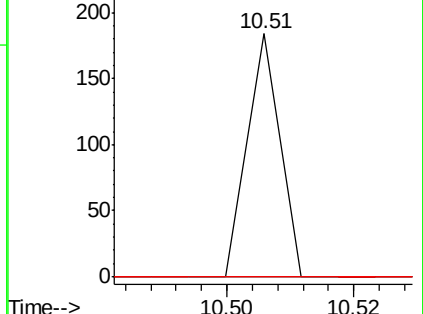
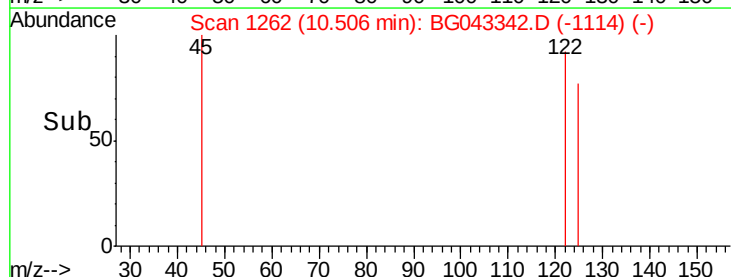
77 0.0 82.7 122.7#

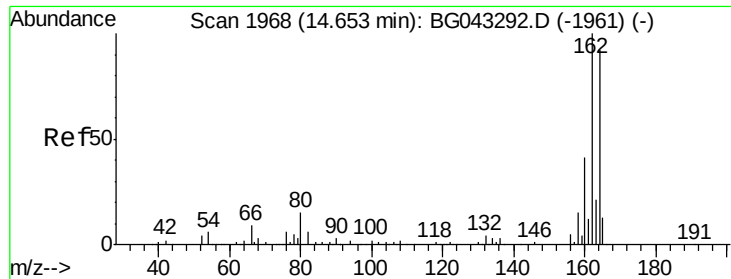


Abundance Ion 122.00 (121.70 to 122.70): BGC

Ion 105.00 (104.70 to 105.70): BGC

Ion 77.00 (76.70 to 77.70): BGC





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.65 min Scan# 1967

Delta R.T. -0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

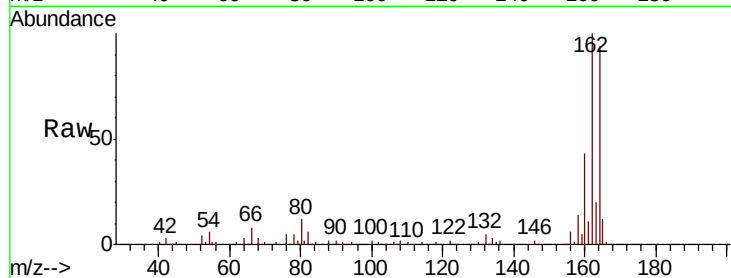
Tot Ion:164 Resp: 101794

Ion Ratio Lower Upper

164 100

162 106.2 87.0 130.4

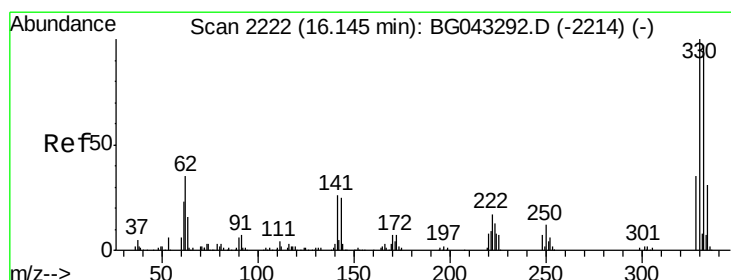
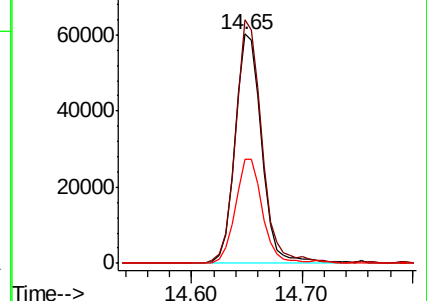
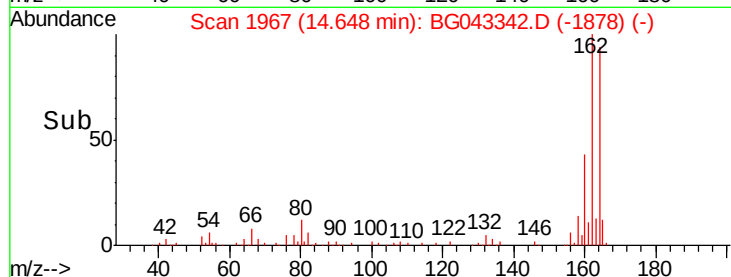
160 45.6 35.5 53.3



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: 143.195 ng

RT: 16.15 min Scan# 2222

Delta R.T. 0.00 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

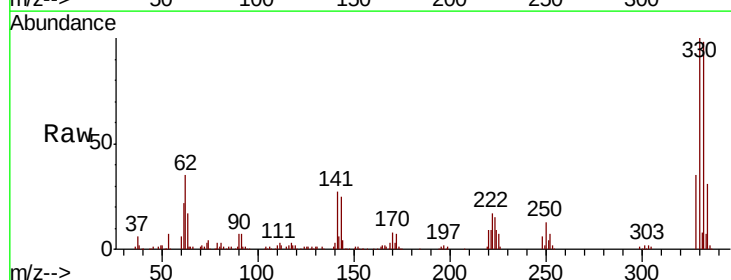
Tgt Ion:330 Resp: 277389

Ion Ratio Lower Upper

330 100

332 100.1 76.4 114.6

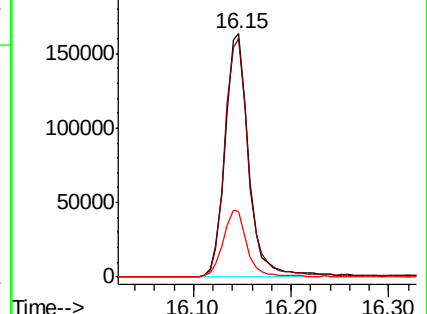
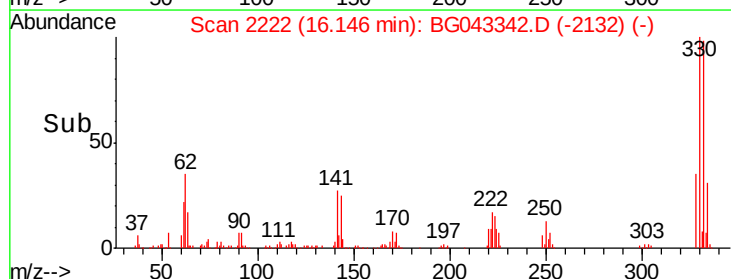
141 28.1 21.4 32.0

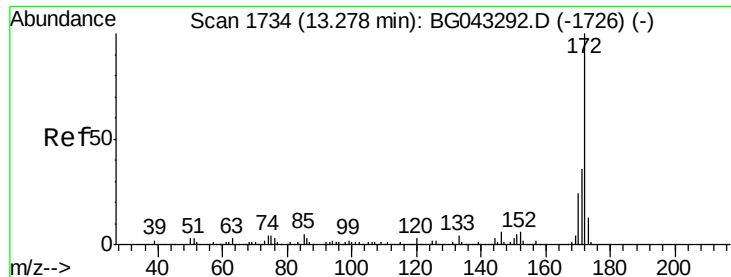


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

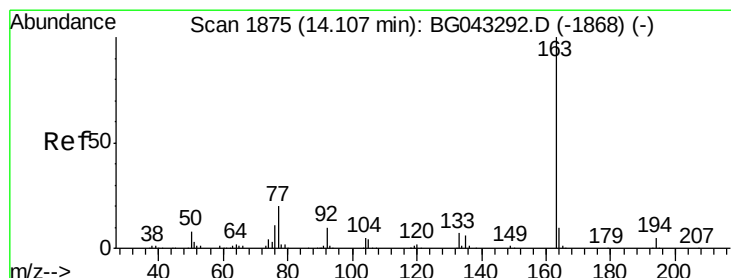
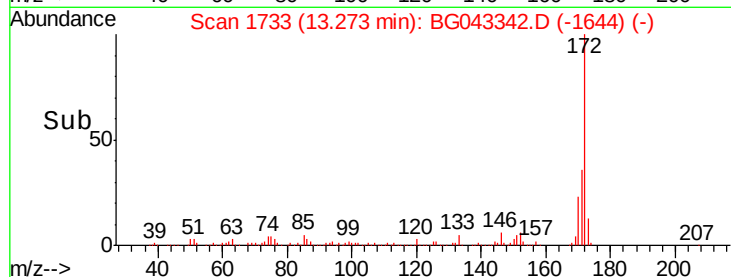
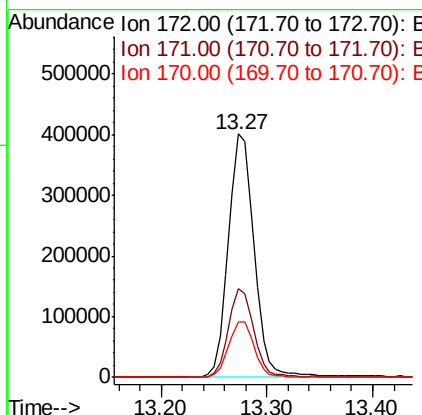
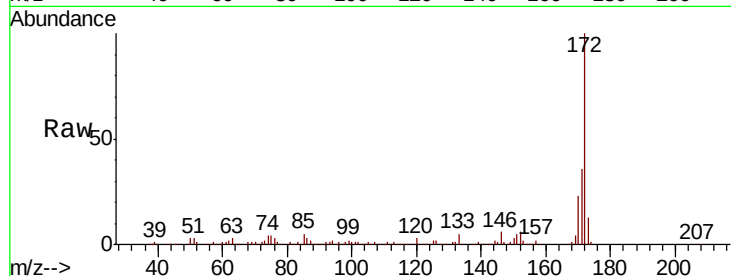




#45
 2-Fluorobiphenyl
 Concen: 91.878 ng
 RT: 13.27 min Scan# 1733
 Delta R.T. -0.01 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

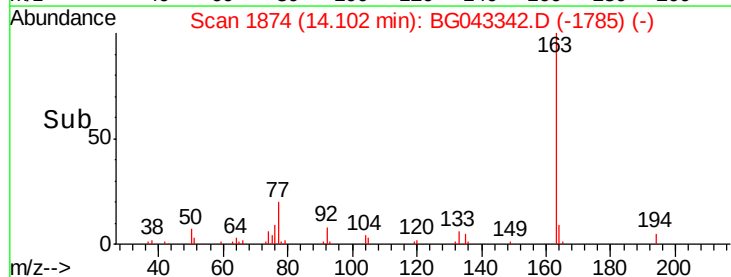
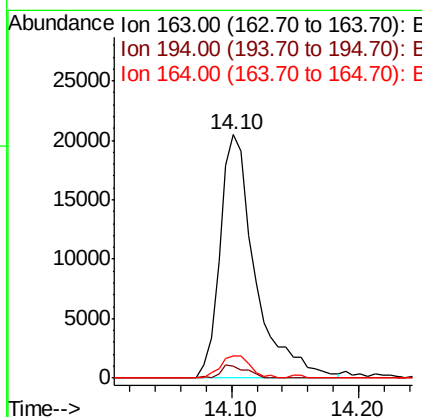
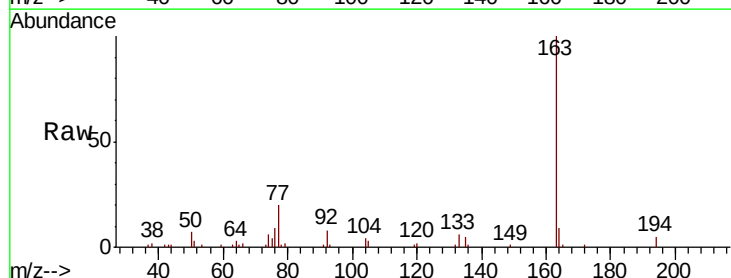
Instrument :
 BNA_G
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 HD-02-102319

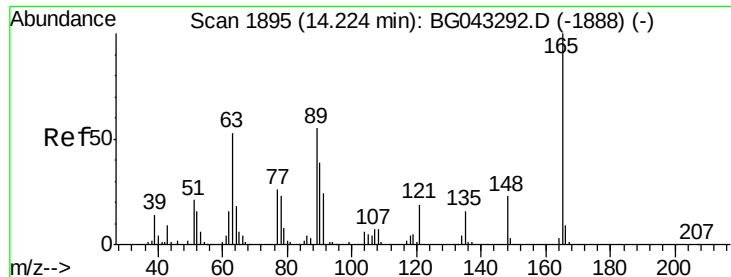
Tot Ion:172 Resp: 676844
 Ion Ratio Lower Upper
 172 100
 171 36.4 28.5 42.7
 170 22.9 18.8 28.2



#50
 Dimethylphthalate
 Concen: 4.986 ng
 RT: 14.10 min Scan# 1874
 Delta R.T. -0.01 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Tgt Ion:163 Resp: 39313
 Ion Ratio Lower Upper
 163 100
 194 4.8 3.7 5.5
 164 9.3 8.1 12.1

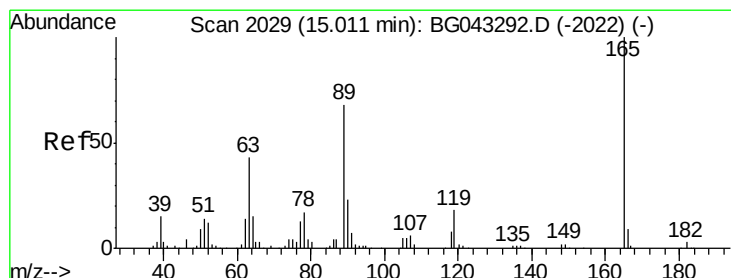
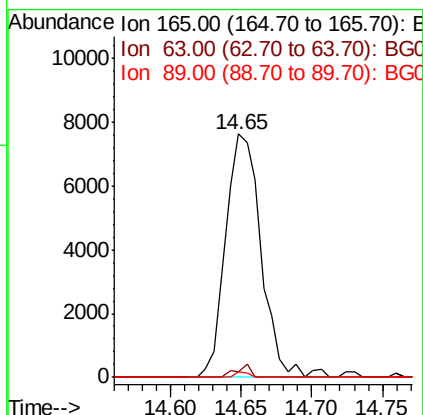
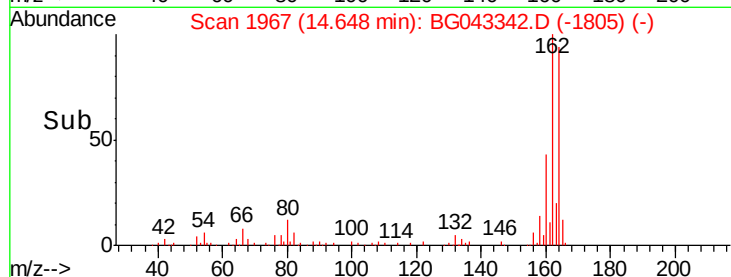
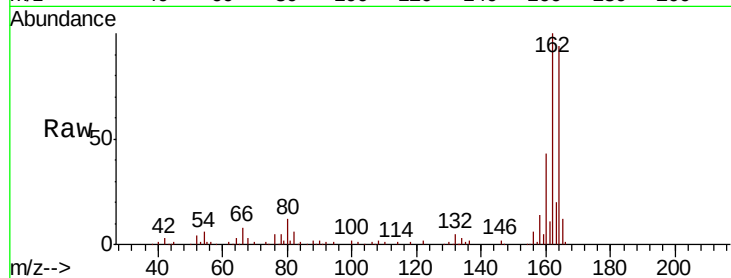




#51
 2,6-Dinitrotoluene
 Concen: 7.798 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. 0.42 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

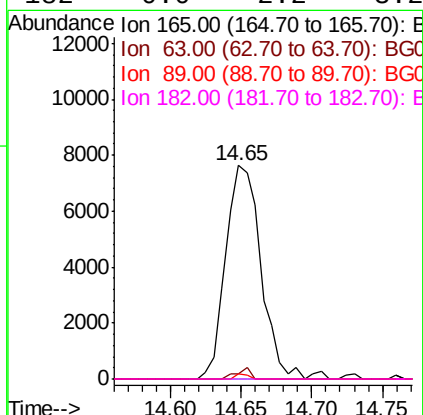
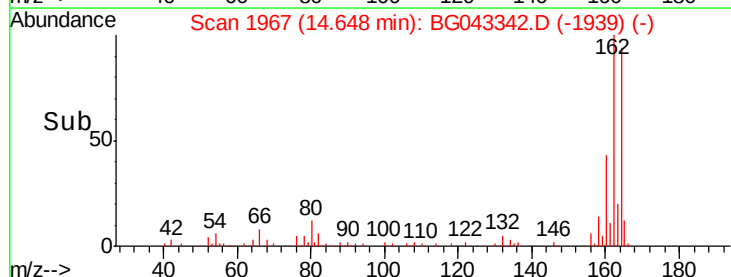
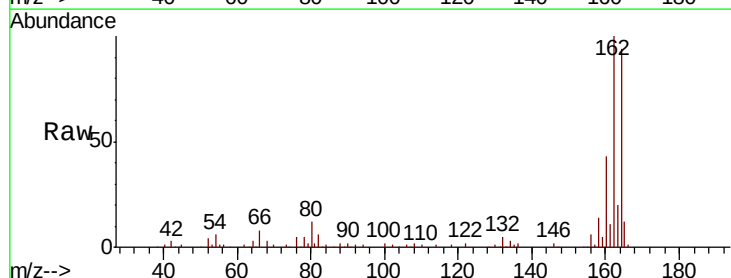
Instrument :
 BNA_G
 ClientSampleId :
 HD-02-102319

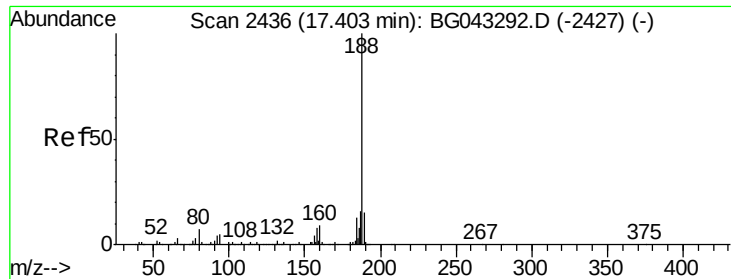
Tot Ion	Ratio	Lower	Upper
165	100		
63	2.4	47.1	70.7#
89	2.2	43.7	65.5#



#57
 2,4-Dinitrotoluene
 Concen: 5.456 ng
 RT: 14.65 min Scan# 1967
 Delta R.T. -0.36 min
 Lab File: BG043342.D
 Acq: 25 Oct 2019 16:45

Tgt Ion	Ratio	Lower	Upper
165	100		
63	2.4	35.0	52.6#
89	2.2	54.1	81.1#
182	0.0	2.2	3.2#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.40 min Scan# 2435

Delta R.T. -0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

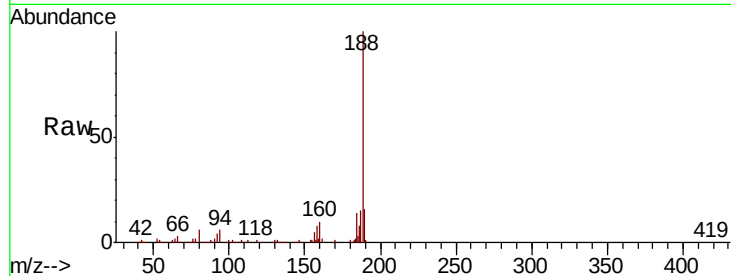
Tot Ion:188 Resp: 255293

Ion Ratio Lower Upper

188 100

94 5.8 4.2 6.2

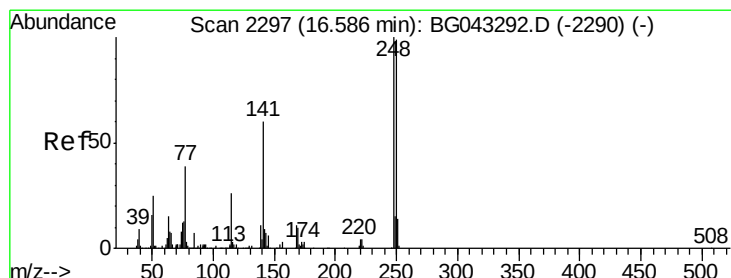
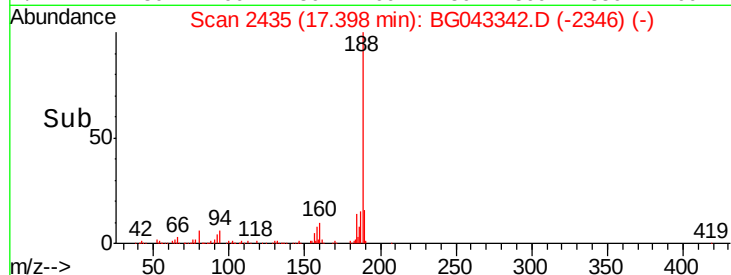
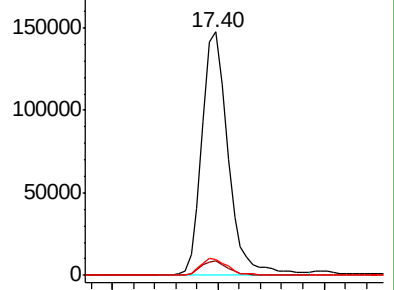
80 6.4 5.2 7.8



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BG

Ion 80.00 (79.70 to 80.70): BG



#67

4-Bromophenyl-phenylether

Concen: 5.221 ng

RT: 16.14 min Scan# 2221

Delta R.T. -0.45 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

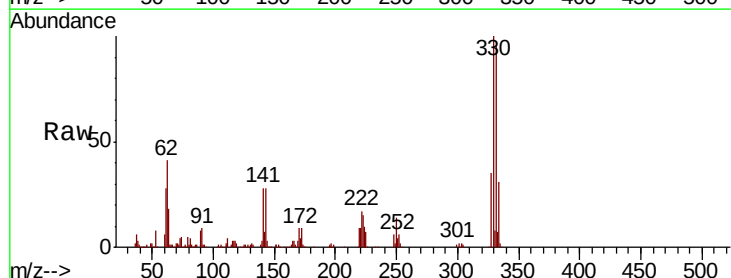
Tgt Ion:248 Resp: 17937

Ion Ratio Lower Upper

248 100

250 212.0 79.3 118.9#

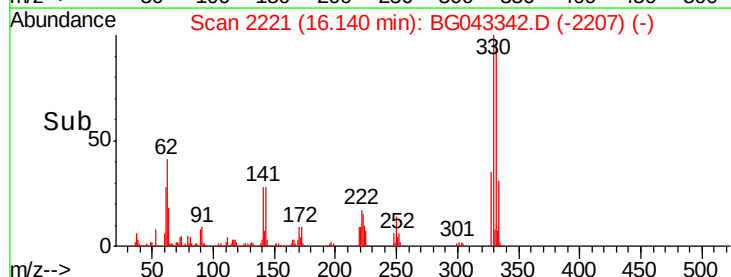
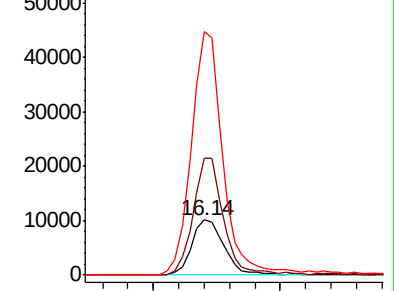
141 439.8 47.9 71.9#

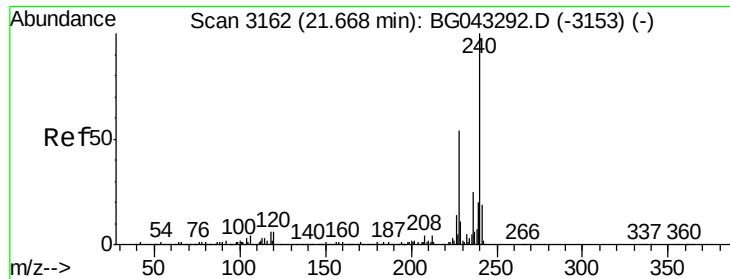


Abundance Ion 248.00 (247.70 to 248.70): E

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: 21.66 min Scan# 3161

Delta R.T. -0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

BNA_G

ClientSampleId :

HD-02-102319

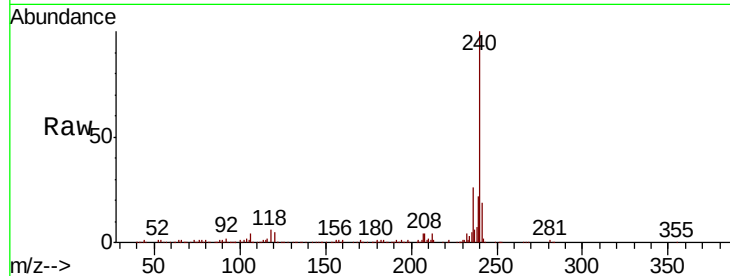
Tot Ion:240 Resp: 293422

Ion Ratio Lower Upper

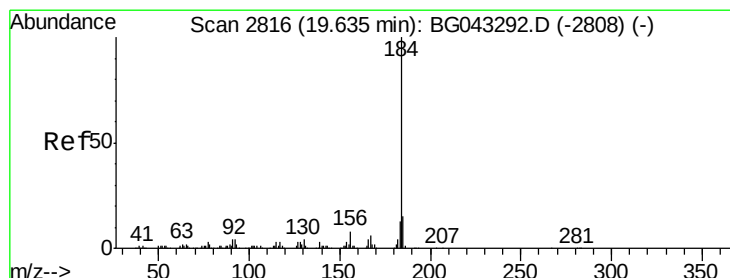
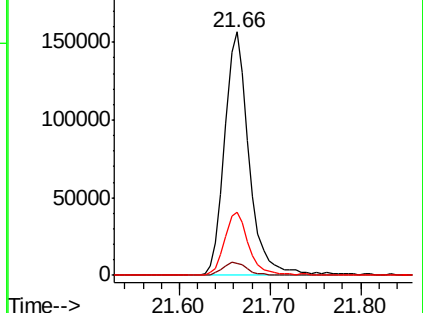
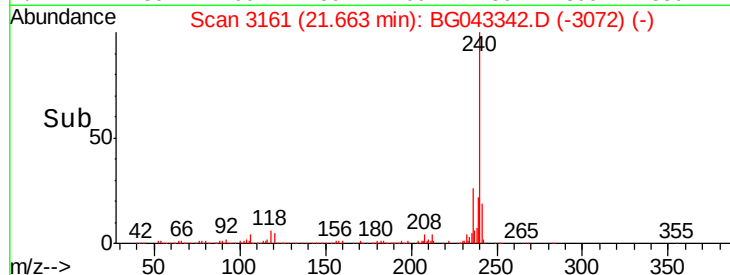
240 100

120 5.0 4.6 7.0

236 26.0 20.2 30.4



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: 3.845 ng

RT: 20.01 min Scan# 2879

Delta R.T. 0.37 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

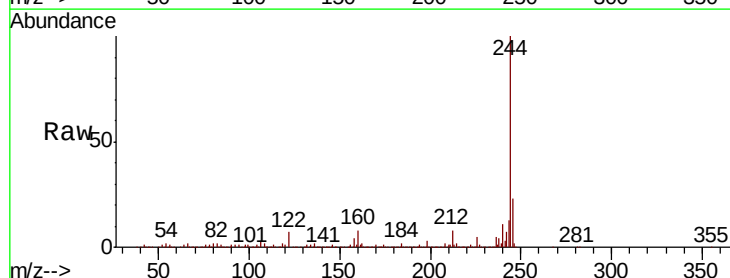
Tgt Ion:184 Resp: 22703

Ion Ratio Lower Upper

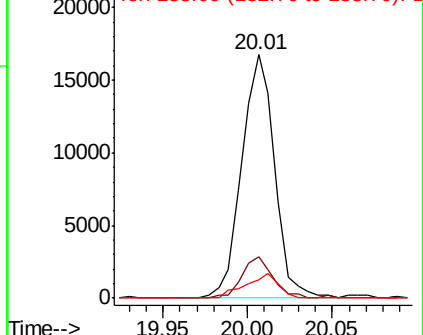
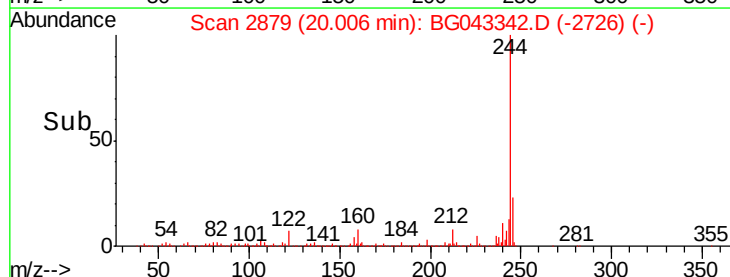
184 100

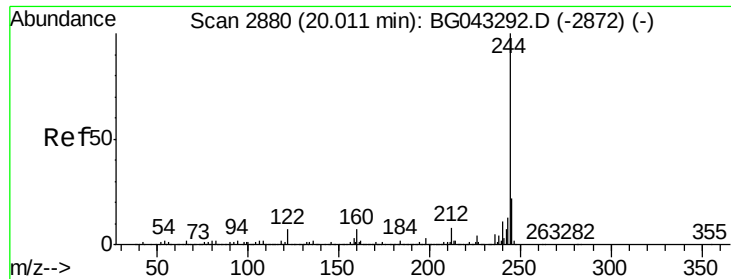
185 17.0 11.8 17.6

183 7.4 10.6 16.0#



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: 96.589 ng

RT: 20.01 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Instrument :

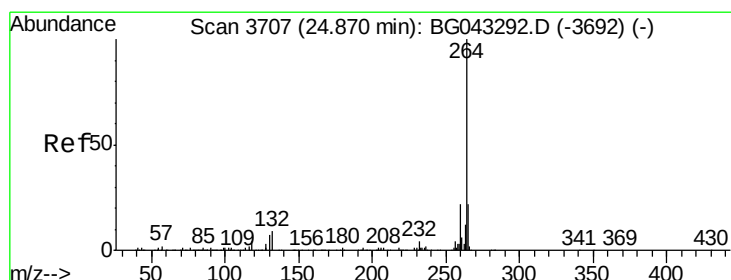
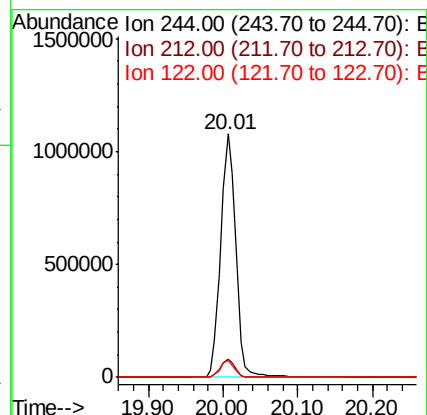
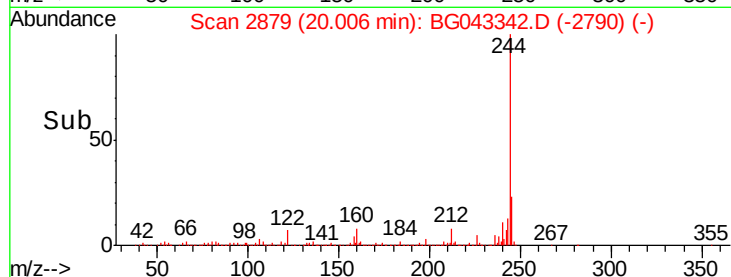
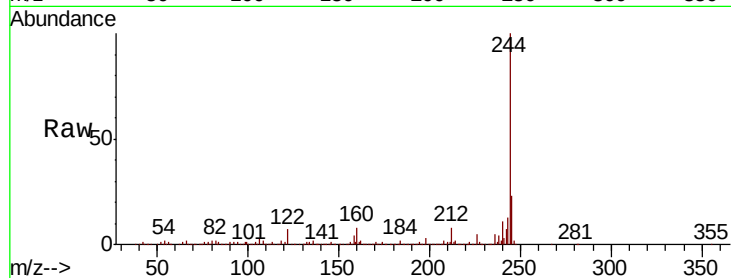
BNA_G

ClientSampleId :

HD-02-102319

Tot Ion:244 Resp: 1510685

Ion	Ratio	Lower	Upper
244	100		
212	7.6	6.4	9.6
122	7.2	5.3	7.9



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.87 min Scan# 3706

Delta R.T. -0.01 min

Lab File: BG043342.D

Acq: 25 Oct 2019 16:45

Tgt Ion:264 Resp: 340849

Ion	Ratio	Lower	Upper
264	100		
260	23.4	17.9	26.9
265	22.0	17.4	26.2

