

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG101619\
 Data File : BG043262.D
 Acq On : 17 Oct 2019 2:02
 Operator : JU
 Sample : K5355-03
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-32

Quant Time: Oct 17 03:15:56 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG092519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 09 01:11:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	58235	20.00	ng	0.00
21) Naphthalene-d8	10.85	136	209519	20.00	ng	0.00
39) Acenaphthene-d10	14.68	164	151044	20.00	ng	0.00
64) Phenanthrene-d10	17.42	188	321181	20.00	ng	0.00
76) Chrysene-d12	21.70	240	346991	20.00	ng	0.00
87) Perylene-d12	24.92	264	415166	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.64	112	219197	67.17	ng	0.00
7) Phenol-d6	7.22	99	345873	73.60	ng	0.00
23) Nitrobenzene-d5	9.21	82	218783	50.75	ng	0.00
42) 2,4,6-Tribromophenol	16.16	330	134027	51.60	ng	0.00
45) 2-Fluorobiphenyl	13.30	172	530351	50.90	ng	0.00
79) Terphenyl-d14	20.03	244	892421	54.80	ng	0.00

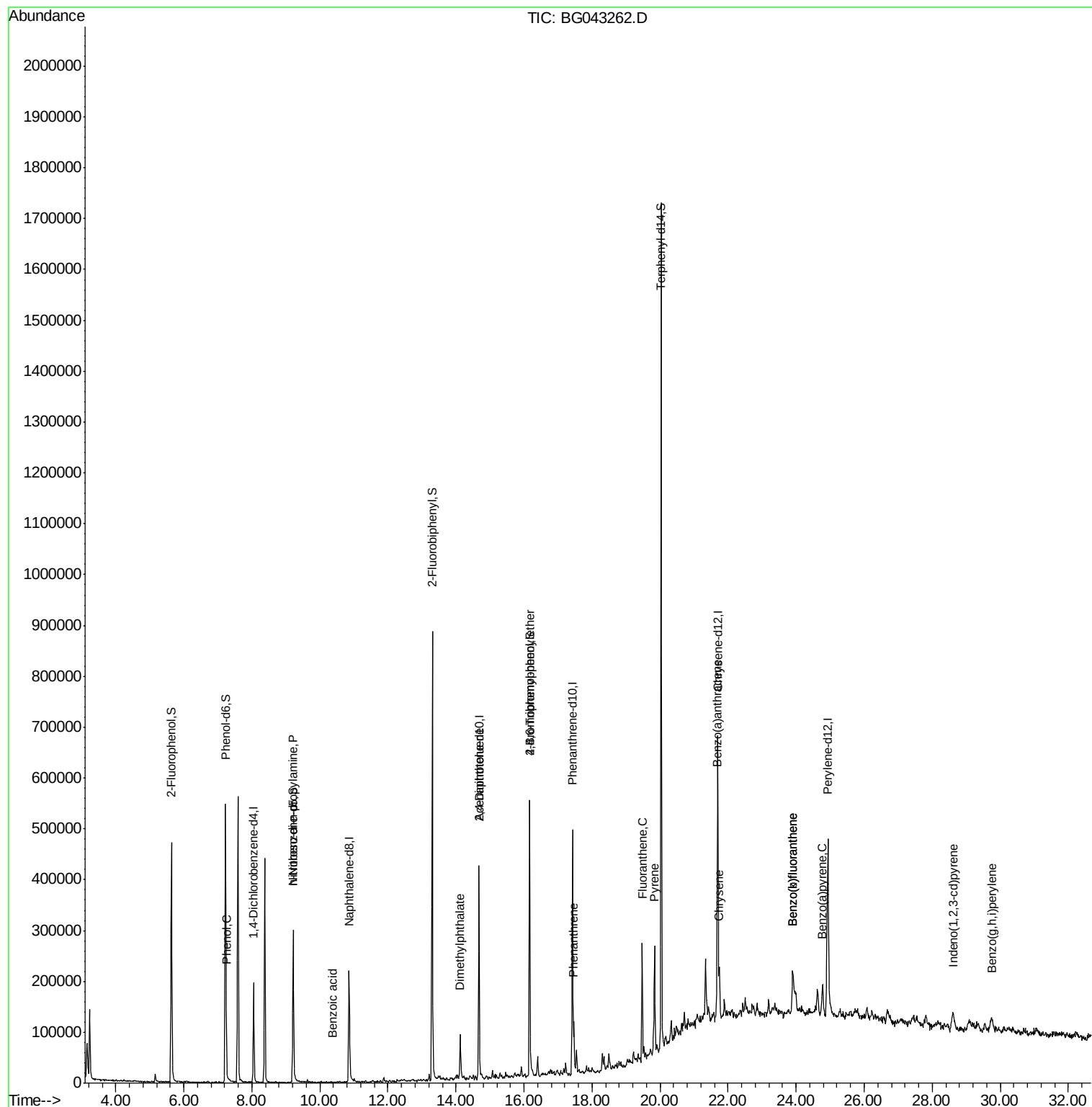
Target Compounds				Qvalue		
10) Phenol	7.25	94	13691	3.176	ng	# 70
19) n-Nitroso-di-n-propylamine	9.21	70	30912	10.018	ng	# 65
32) Benzoic acid	10.39	122	54	2.827	ng	# 1
50) Dimethylphthalate	14.13	163	63708	5.629	ng	96
57) 2,4-Dinitrotoluene	14.68	165	21899	6.205	ng	# 24
67) 4-Bromophenyl-phenylether	16.16	248	8489	2.106	ng	# 1
71) Phenanthrene	17.46	178	62089	3.960	ng	95
75) Fluoranthene	19.47	202	162793	7.849	ng	96
78) Pyrene	19.84	202	149021	7.195	ng	95
81) Benzo(a)anthracene	21.68	228	85037	3.933	ng	99
83) Chrysene	21.74	228	76155	3.630	ng	95
86) Indeno(1,2,3-cd)pyrene	28.61	276	60153	2.303	ng	# 58
88) Benzo(b)fluoranthene	23.90	252	111762	4.758	ng	99
89) Benzo(k)fluoranthene	23.90	252	111762	4.809	ng	# 97
90) Benzo(a)pyrene	24.78	252	80194	3.618	ng	# 96
92) Benzo(g,h,i)perylene	29.75	276	57936	2.631	ng	# 91

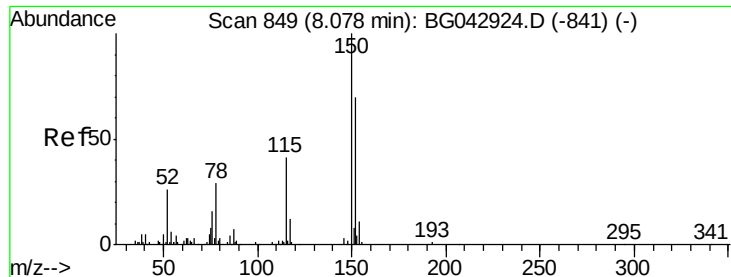
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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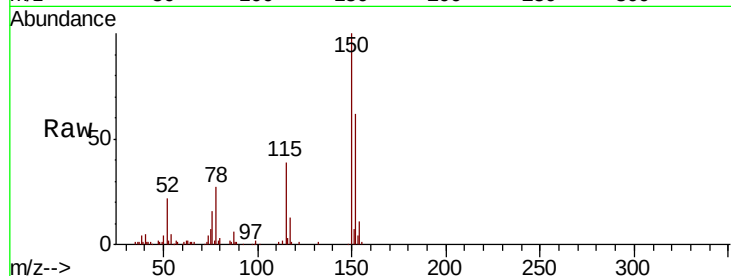


#1

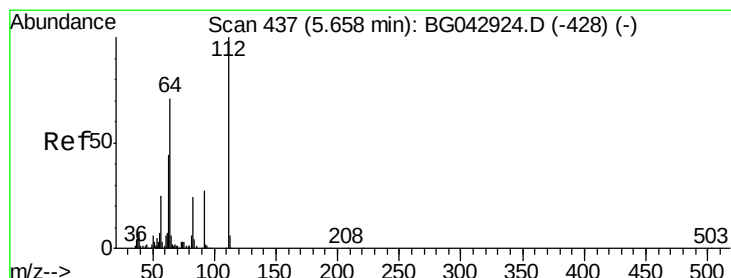
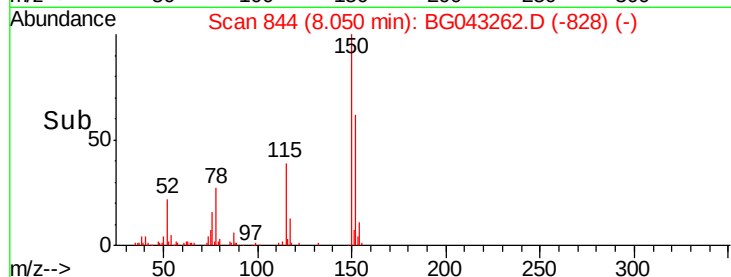
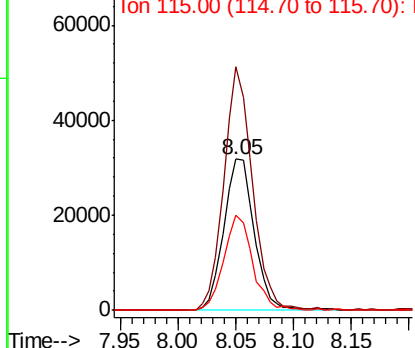
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG043262.D
Acq: 17 Oct 2019 2:02

Instrument :
BNA_G
ClientSampleId :
COMP-32

Tot Ion	Ratio	Lower	Upper
152	100		
150	161.1	115.0	172.4
115	63.0	47.0	70.6



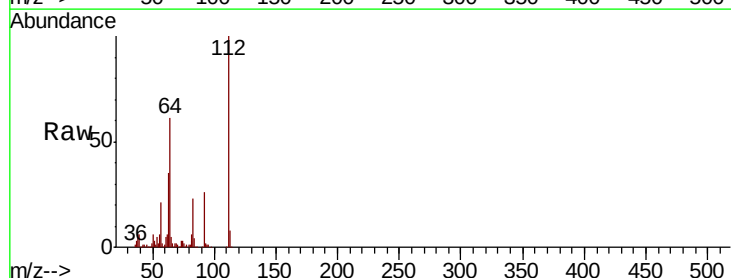
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



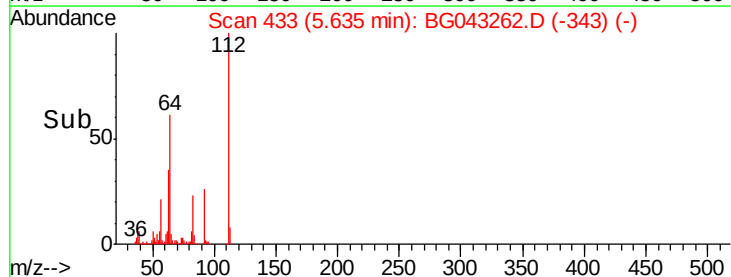
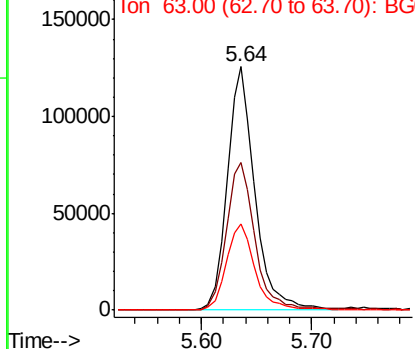
#5

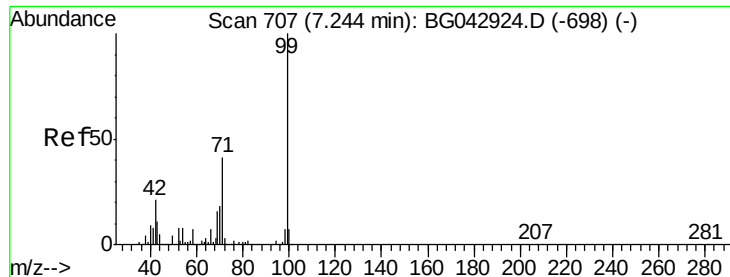
2-Fluorophenol
Concen: 67.173 ng
RT: 5.64 min Scan# 433
Delta R.T. -0.00 min
Lab File: BG043262.D
Acq: 17 Oct 2019 2:02

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.7	56.6	84.8
63	35.2	35.1	52.7



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: 73.604 ng

RT: 7.22 min Scan# 703

Delta R.T. -0.01 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

Instrument :

BNA_G

ClientSampleId :

COMP-32

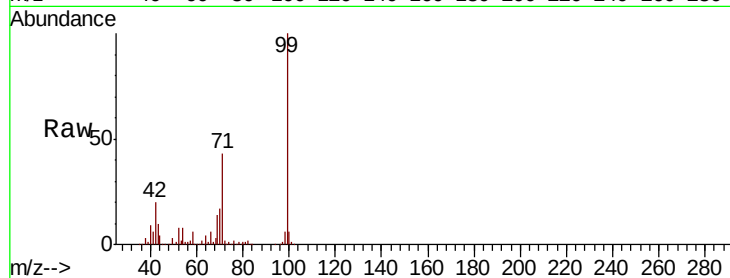
Tot Ion: 99 Resp: 345873

Ion Ratio Lower Upper

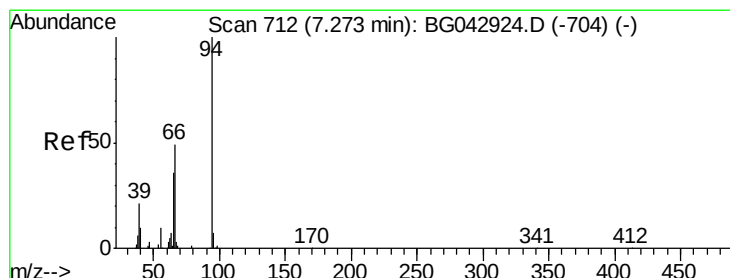
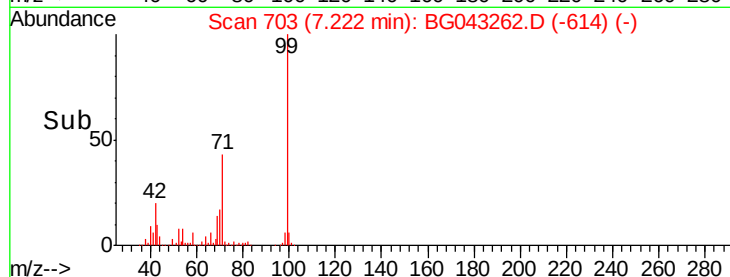
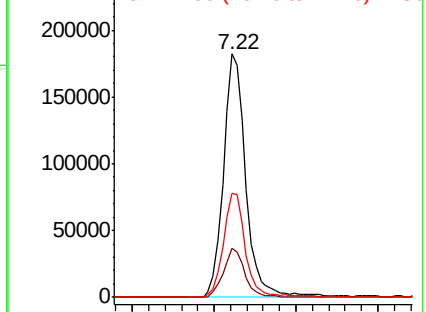
99 100

42 20.0 17.2 25.8

71 42.6 33.1 49.7



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: 3.176 ng

RT: 7.25 min Scan# 708

Delta R.T. -0.00 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

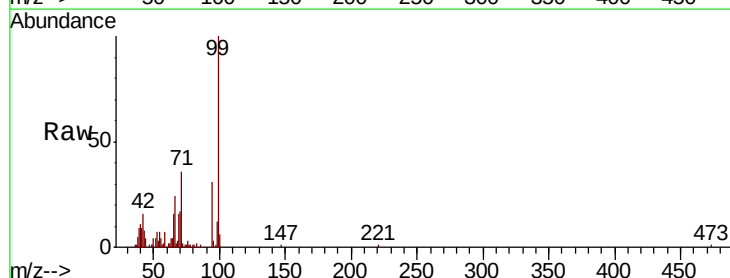
Tgt Ion: 94 Resp: 13691

Ion Ratio Lower Upper

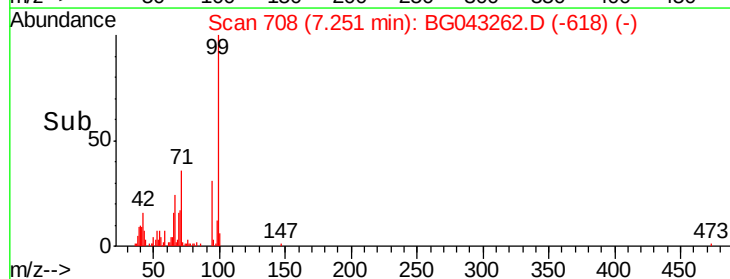
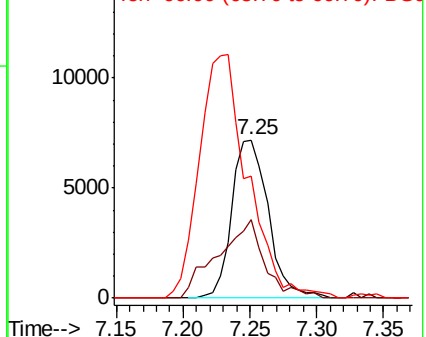
94 100

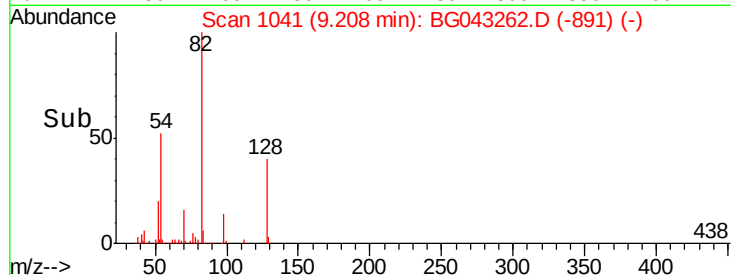
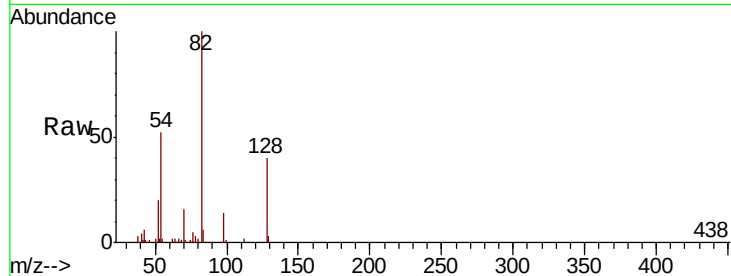
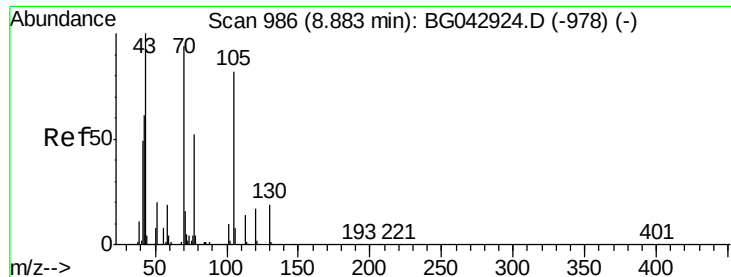
65 49.6 16.6 56.6

66 77.1 32.4 72.4#



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

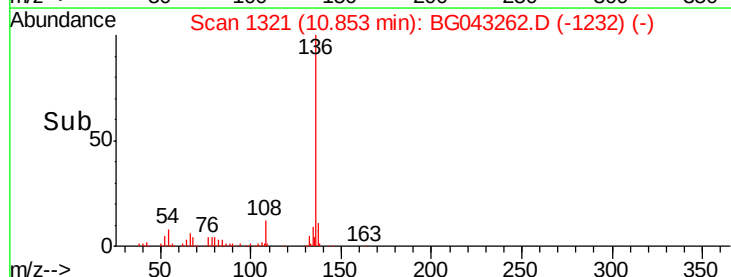
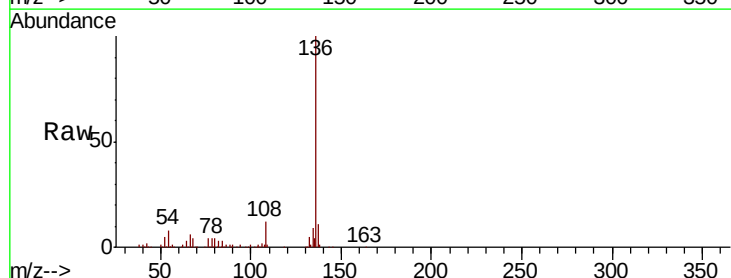
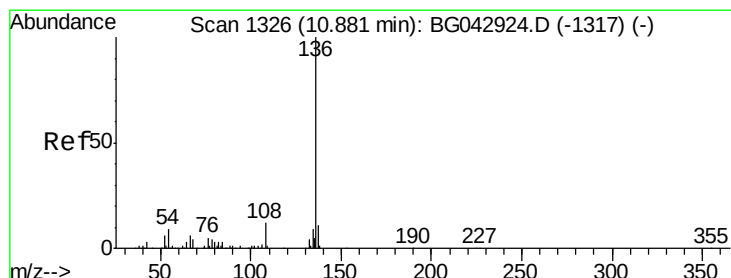
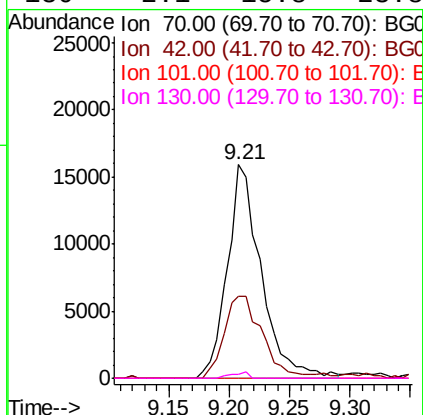




#19
n-Nitroso-di-n-propylamine
Concen: 10.018 ng
RT: 9.21 min Scan# 1041
Delta R.T. 0.35 min
Lab File: BG043262.D
Acq: 17 Oct 2019 2:02

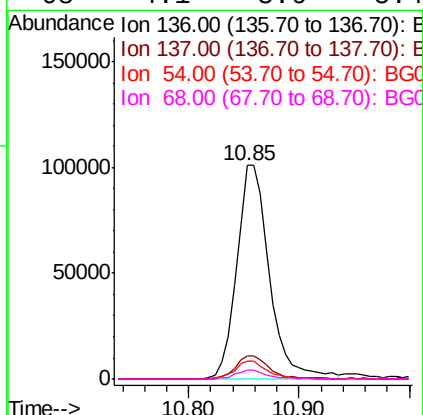
Instrument :
BNA_G
ClientSampleId :
COMP-32

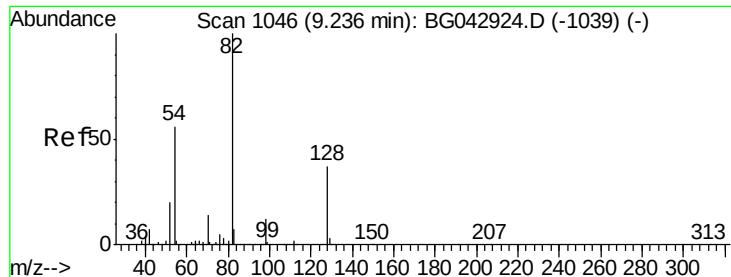
Tot Ion: 70 Resp: 30912
Ion Ratio Lower Upper
70 100
42 38.6 52.6 79.0#
101 0.0 8.7 13.1#
130 2.1 15.8 23.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.85 min Scan# 1321
Delta R.T. -0.01 min
Lab File: BG043262.D
Acq: 17 Oct 2019 2:02

Tgt Ion: 136 Resp: 209519
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 8.2 7.4 11.2
68 4.1 3.6 5.4





#23

Nitrobenzene-d5

Concen: 50.754 ng

RT: 9.21 min Scan# 1042

Delta R.T. -0.00 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

Instrument :

BNA_G

ClientSampleId :

COMP-32

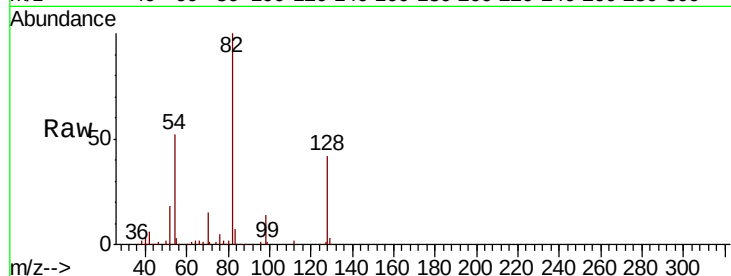
Tot Ion: 82 Resp: 218783

Ion Ratio Lower Upper

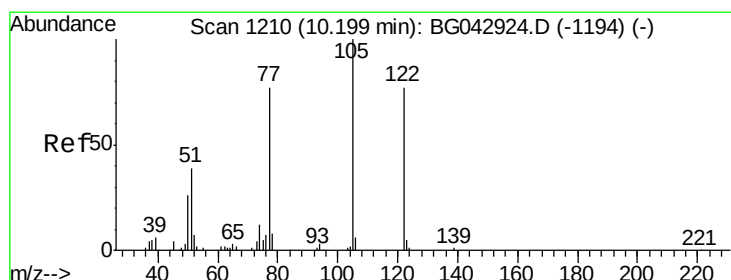
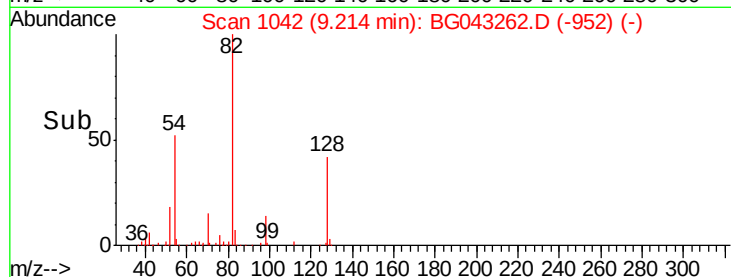
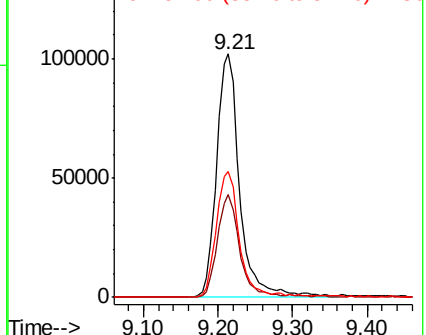
82 100

128 42.2 29.5 44.3

54 51.9 44.6 67.0



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: 2.827 ng

RT: 10.39 min Scan# 1242

Delta R.T. 0.21 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

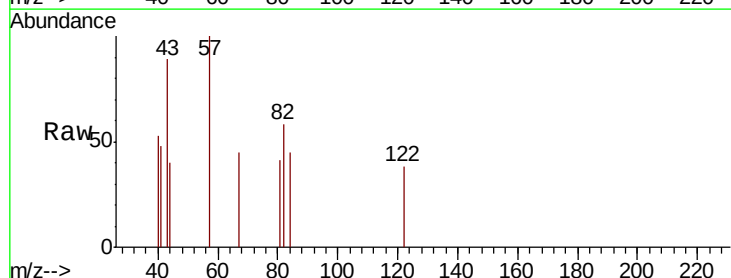
Tgt Ion: 122 Resp: 54

Ion Ratio Lower Upper

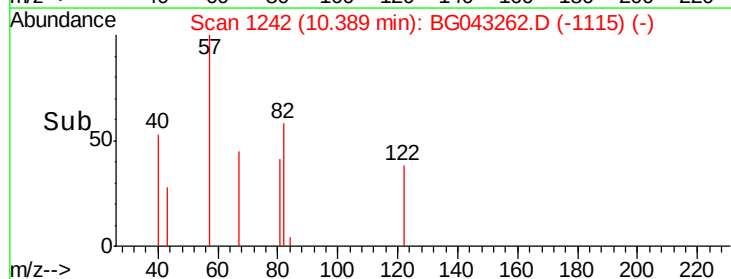
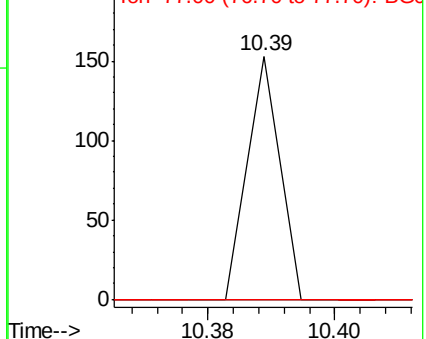
122 100

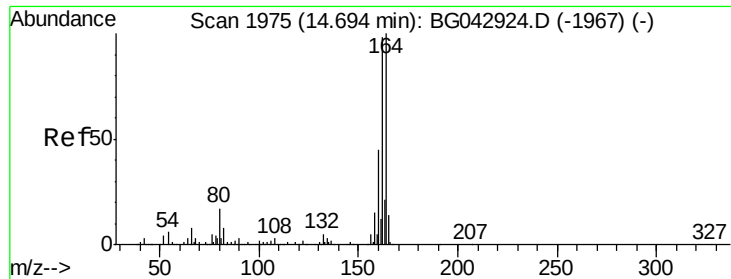
105 0.0 107.5 147.5#

77 0.0 79.8 119.8#



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: 14.68 min Scan# 1972

Delta R.T. -0.00 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

Instrument :

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ClientSampleId :

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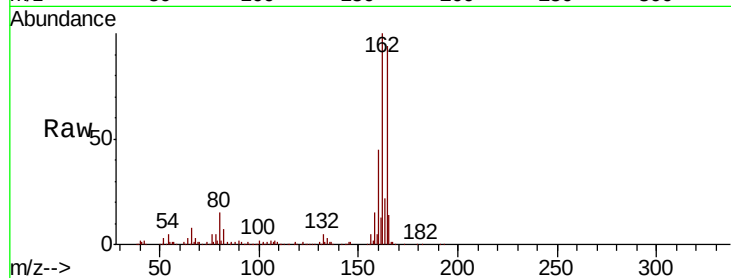
Tot Ion:164 Resp: 151044

Ion Ratio Lower Upper

164 100

162 106.2 78.5 117.7

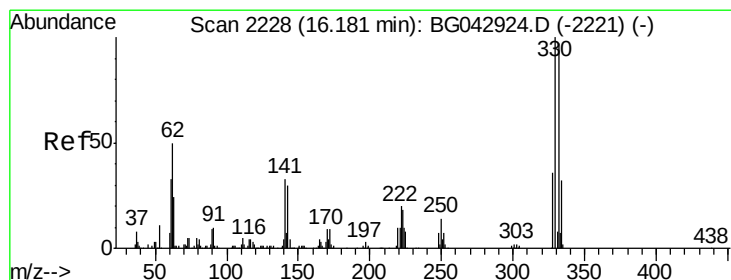
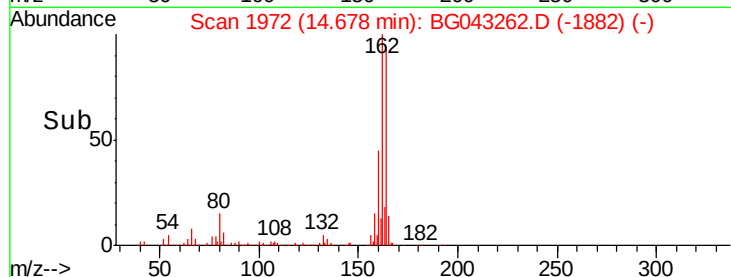
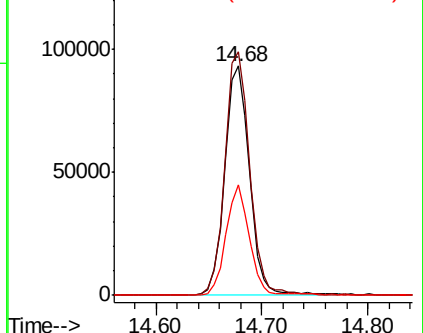
160 48.1 35.9 53.9



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: 51.602 ng

RT: 16.16 min Scan# 2225

Delta R.T. -0.00 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

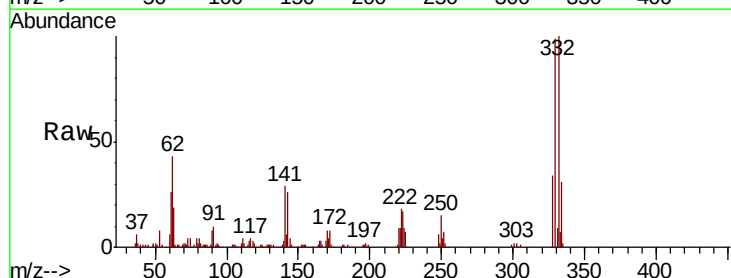
Tgt Ion:330 Resp: 134027

Ion Ratio Lower Upper

330 100

332 95.3 78.2 117.2

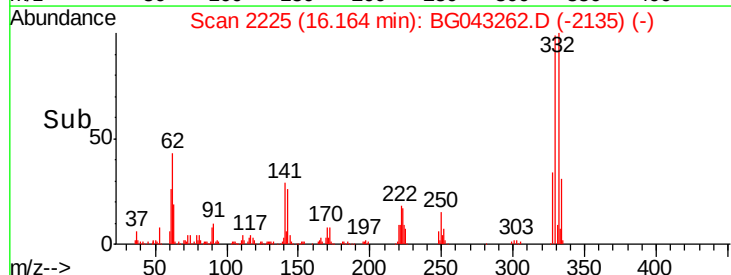
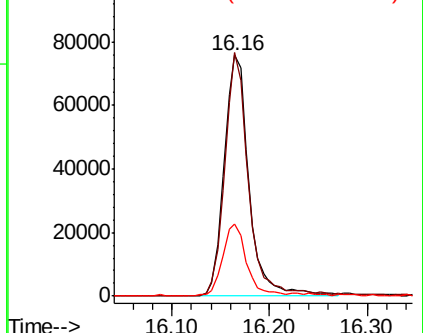
141 28.8 26.0 39.0

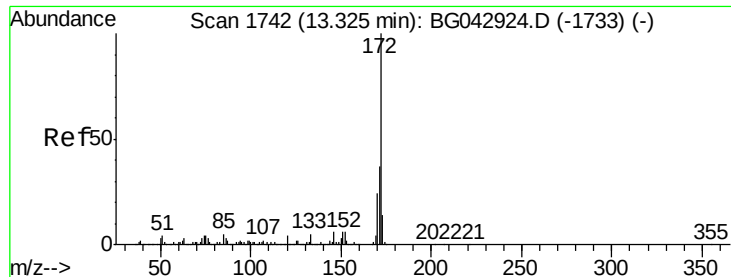


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

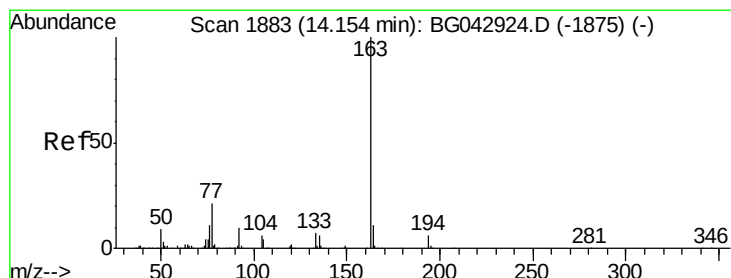
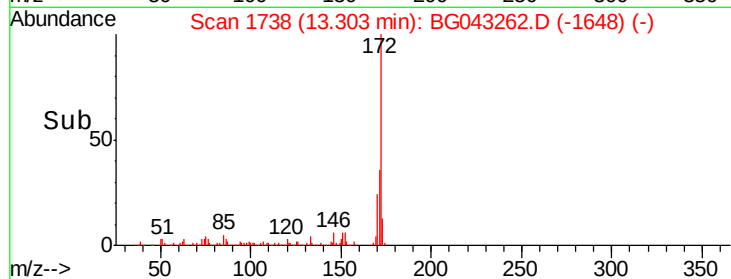
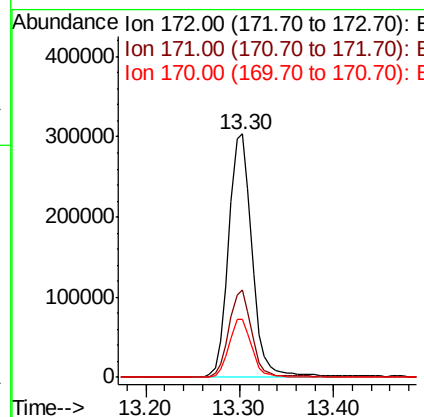
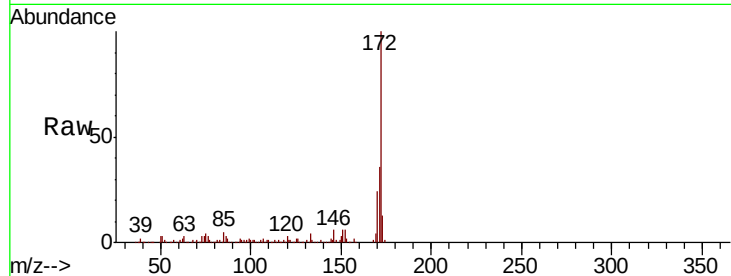




#45
2-Fluorobiphenyl
Concen: 50.902 ng
RT: 13.30 min Scan# 1738
Delta R.T. -0.00 min
Lab File: BG043262.D
Acq: 17 Oct 2019 2:02

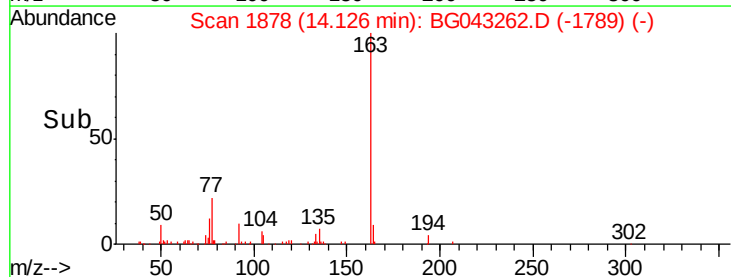
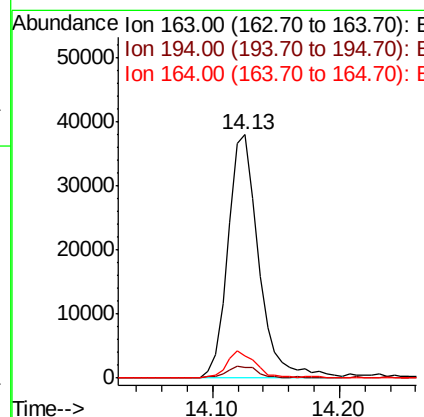
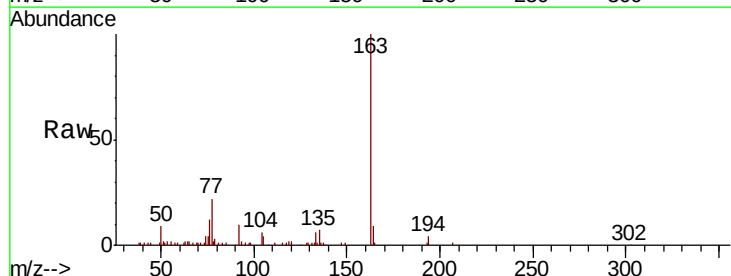
Instrument :
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COMP-32

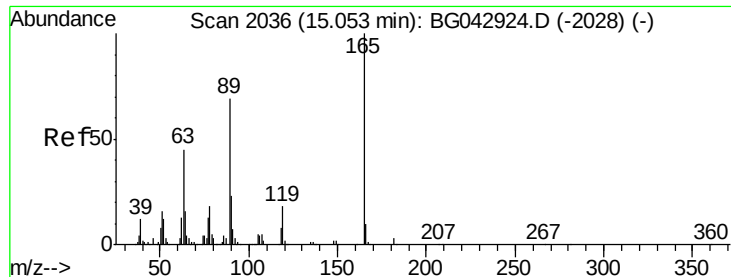
Tot Ion	Ratio	Lower	Upper
172	100		
171	35.8	29.6	44.4
170	23.9	19.6	29.4



#50
Dimethylphthalate
Concen: 5.629 ng
RT: 14.13 min Scan# 1878
Delta R.T. -0.01 min
Lab File: BG043262.D
Acq: 17 Oct 2019 2:02

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.5	4.4	6.6
164	8.9	8.6	12.8

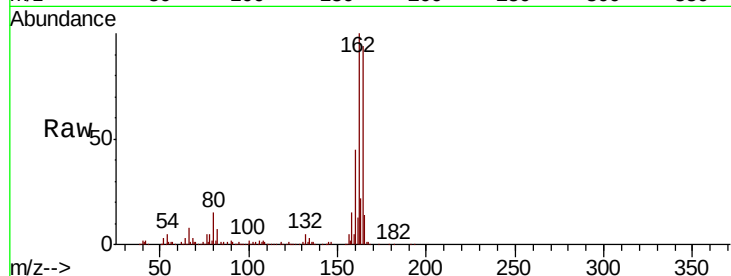




#57
 2,4-Dinitrotoluene
 Concen: 6.205 ng
 RT: 14.68 min Scan# 1972
 Delta R.T. -0.36 min
 Lab File: BG043262.D
 Acq: 17 Oct 2019 2:02

Instrument :
 BNA_G
 ClientSampleId :
 COMP-32

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.8	36.5	54.7#
89	0.0	55.5	83.3#
182	1.3	2.4	3.6#



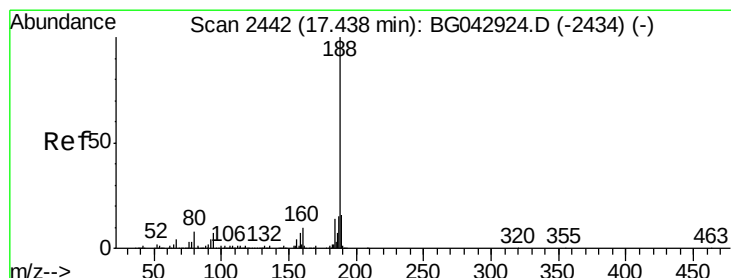
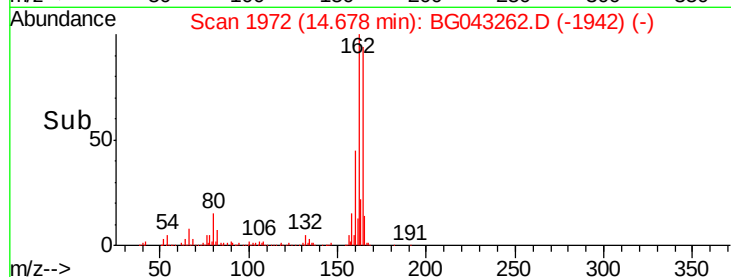
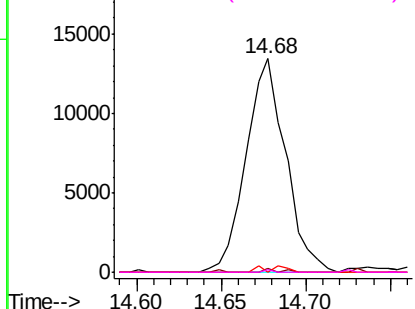
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BGC

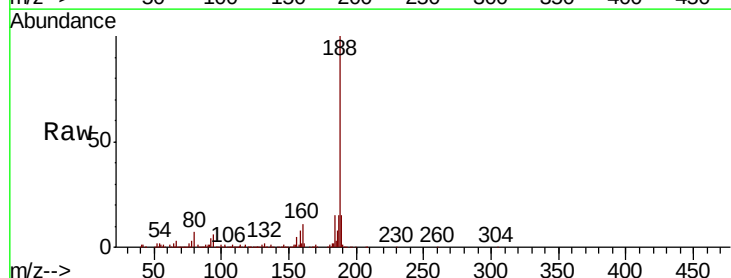
Ion 89.00 (88.70 to 89.70): BGC

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.42 min Scan# 2439
 Delta R.T. 0.00 min
 Lab File: BG043262.D
 Acq: 17 Oct 2019 2:02

Tgt Ion	Ratio	Lower	Upper
188	100		
94	5.8	5.7	8.5
80	7.2	6.5	9.7

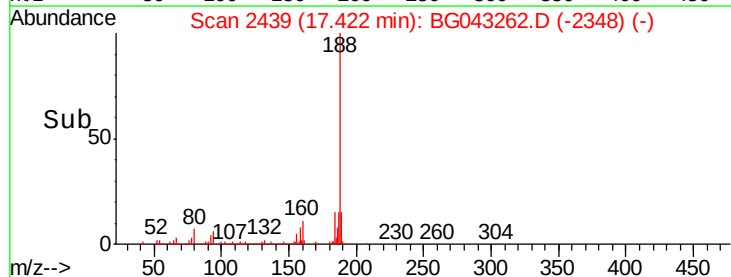
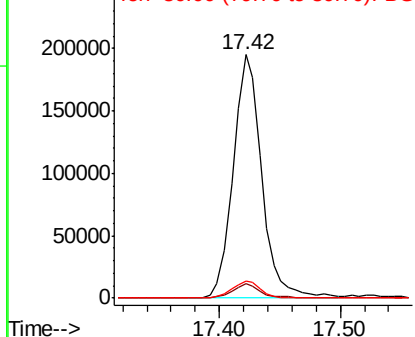


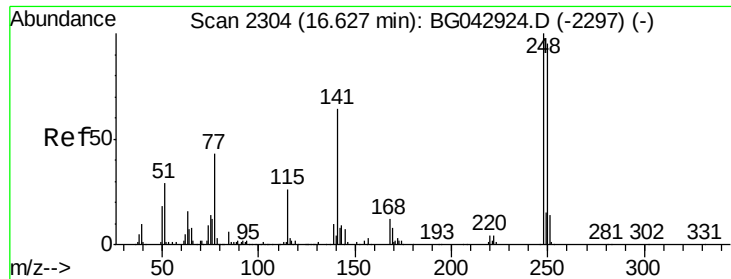
Abundance

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

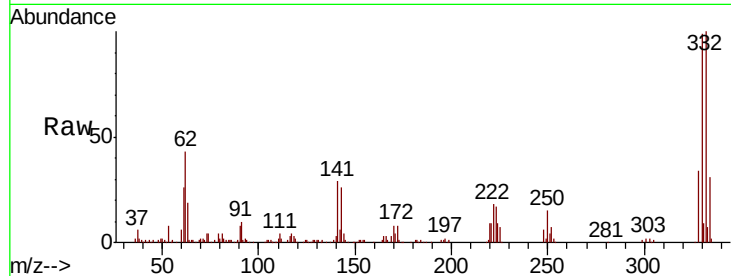




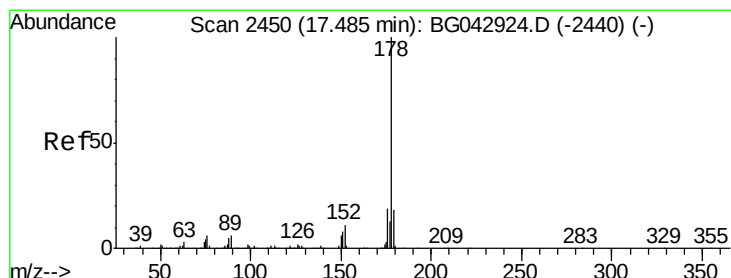
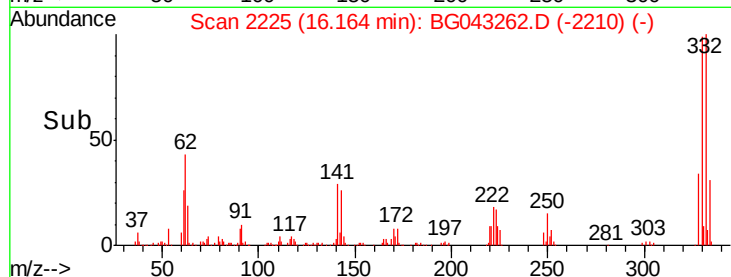
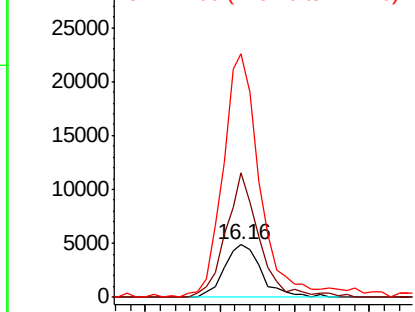
#67
 4-Bromophenyl-phenylether
 Concen: 2.106 ng
 RT: 16.16 min Scan# 2225
 Delta R.T. -0.44 min
 Lab File: BG043262.D
 Acq: 17 Oct 2019 2:02

Instrument :
 BNA_G
 ClientSampleId :
 COMP-32

Tot Ion:248 Resp: 8489
 Ion Ratio Lower Upper
 248 100
 250 236.7 75.8 113.8#
 141 462.3 51.1 76.7#

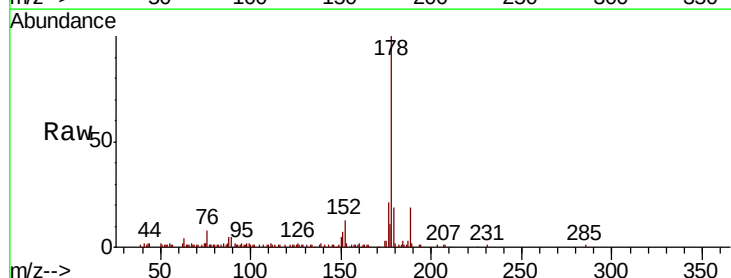


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

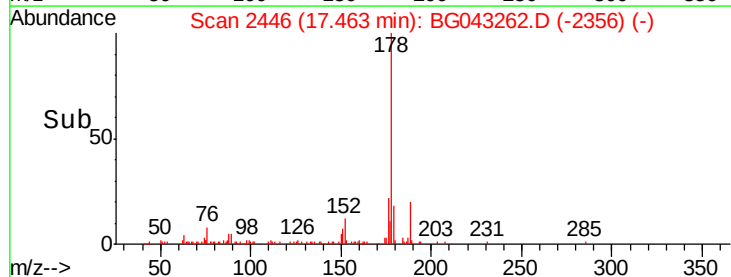
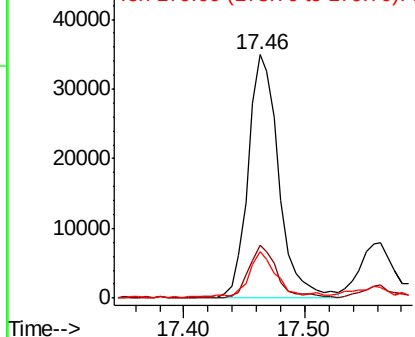


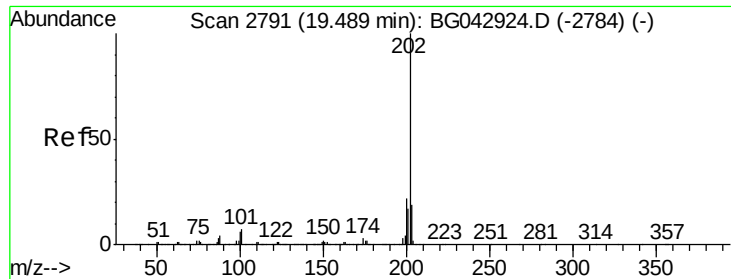
#71
 Phenanthrene
 Concen: 3.960 ng
 RT: 17.46 min Scan# 2446
 Delta R.T. -0.00 min
 Lab File: BG043262.D
 Acq: 17 Oct 2019 2:02

Tgt Ion:178 Resp: 62089
 Ion Ratio Lower Upper
 178 100
 176 21.5 15.1 22.7
 179 19.4 14.1 21.1



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 7.849 ng

RT: 19.47 min Scan# 2788

Delta R.T. 0.00 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

Instrument :

BNA_G

ClientSampled :

COMP-32

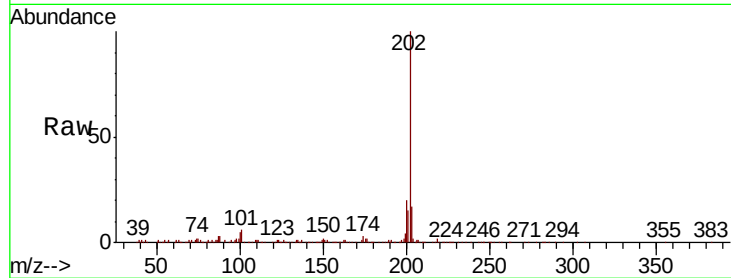
Tot Ion:202 Resp: 162793

Ion Ratio Lower Upper

202 100

101 6.0 0.0 27.3

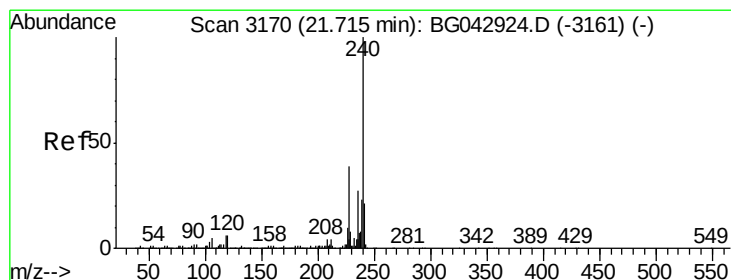
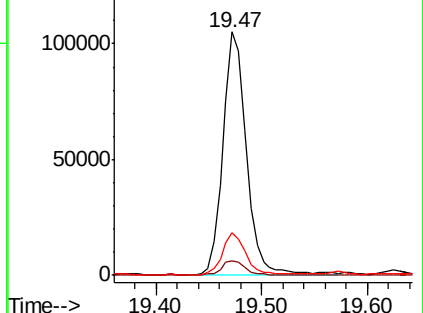
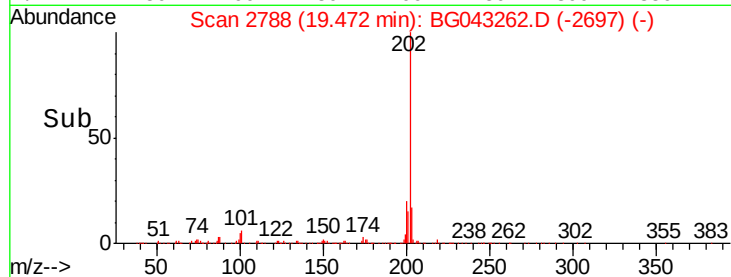
203 17.3 0.0 39.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.70 min Scan# 3167

Delta R.T. 0.01 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

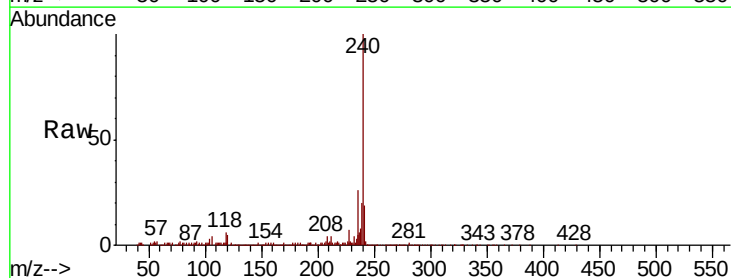
Tgt Ion:240 Resp: 346991

Ion Ratio Lower Upper

240 100

120 5.4 4.8 7.2

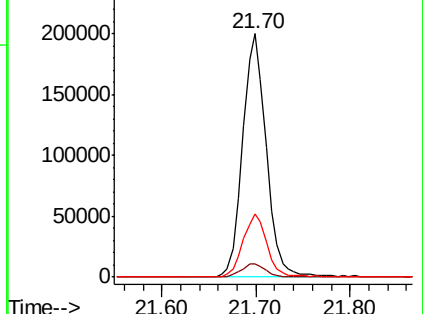
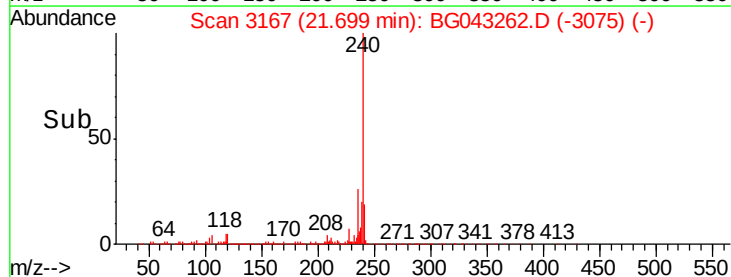
236 25.8 21.4 32.0

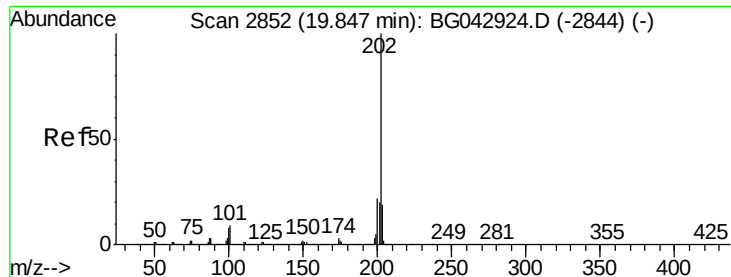


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.195 ng

RT: 19.84 min Scan# 2850

Delta R.T. 0.00 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

Instrument :

BNA_G

ClientSampleId :

COMP-32

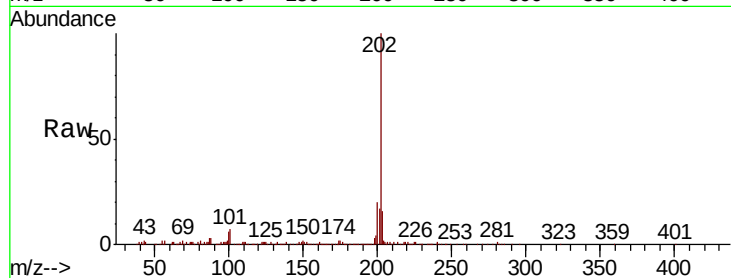
Tot Ion:202 Resp: 149021

Ion Ratio Lower Upper

202 100

200 20.5 17.6 26.4

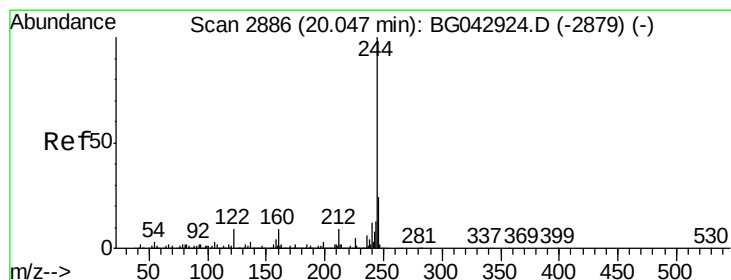
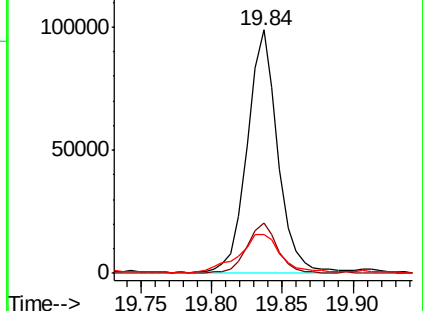
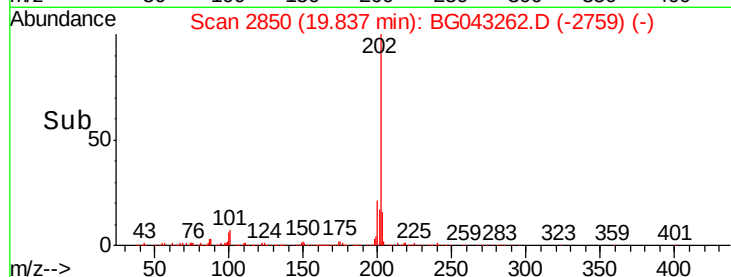
203 16.1 15.2 22.8



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79

Terphenyl-d14

Concen: 54.804 ng

RT: 20.03 min Scan# 2883

Delta R.T. 0.00 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

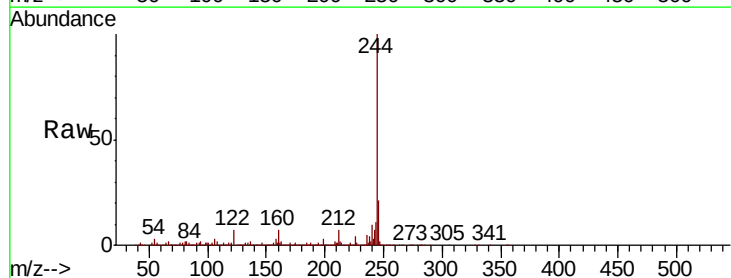
Tgt Ion:244 Resp: 892421

Ion Ratio Lower Upper

244 100

212 7.2 7.4 11.0#

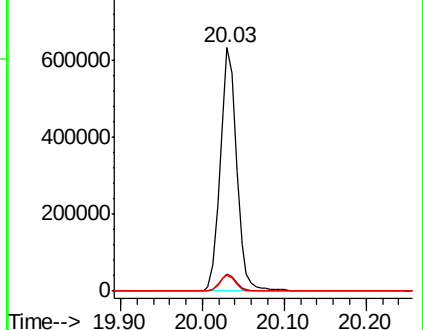
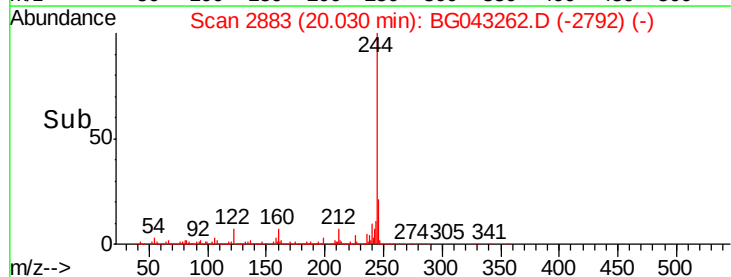
122 6.7 7.0 10.4#

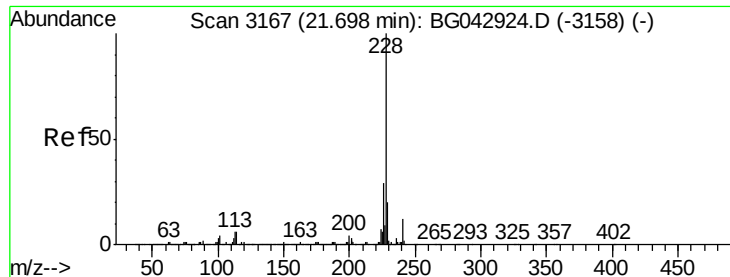


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 3.933 ng

RT: 21.68 min Scan# 3164

Delta R.T. 0.01 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

Instrument :

BNA_G

ClientSampleId :

COMP-32

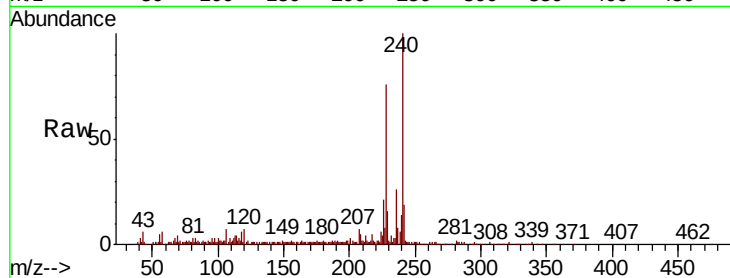
Tot Ion:228 Resp: 85037

Ion Ratio Lower Upper

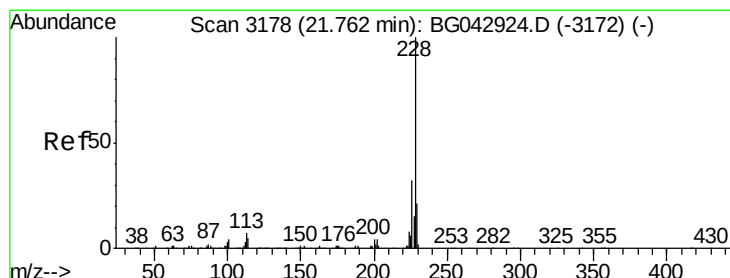
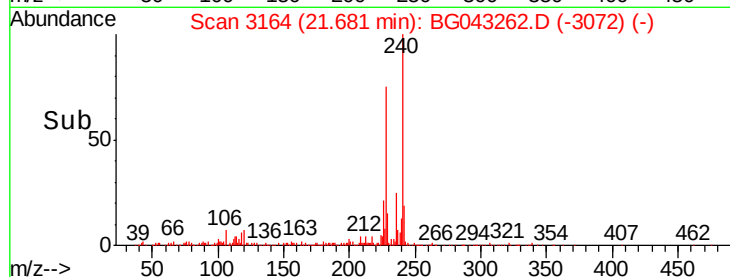
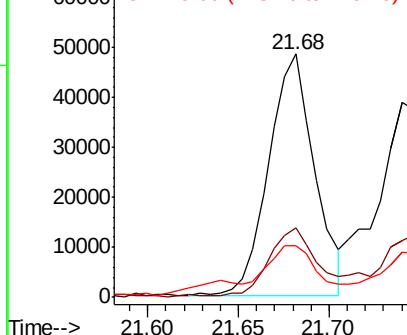
228 100

226 28.3 23.0 34.4

229 21.2 16.3 24.5



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.630 ng

RT: 21.74 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

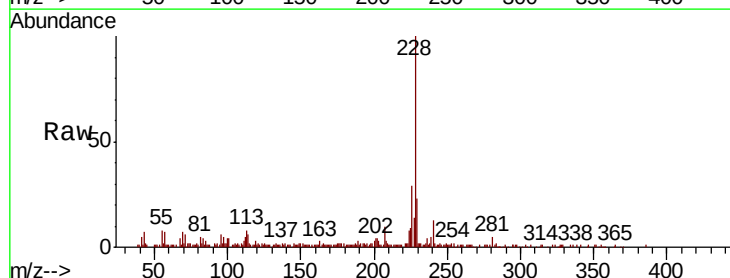
Tgt Ion:228 Resp: 76155

Ion Ratio Lower Upper

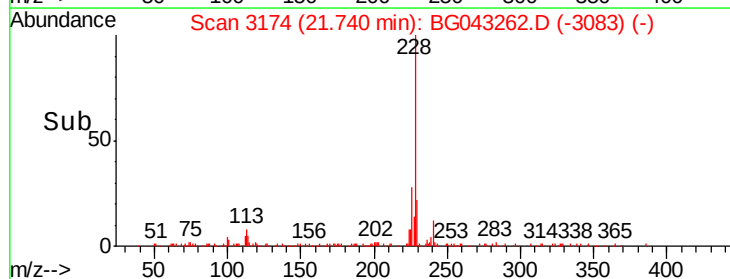
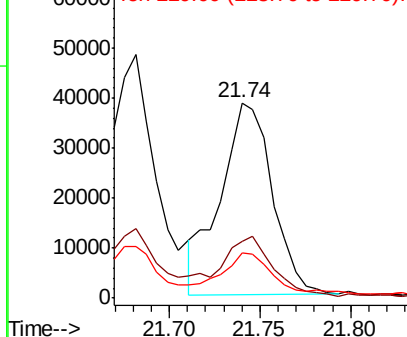
228 100

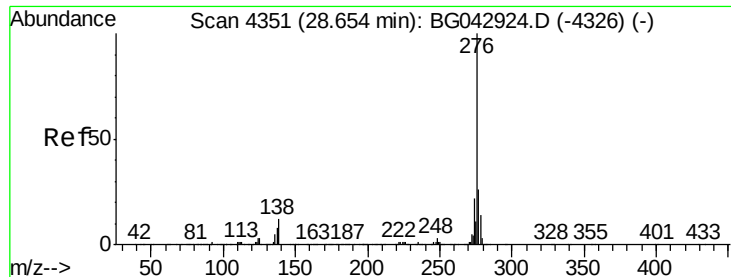
226 28.8 25.6 38.4

229 23.3 16.9 25.3



Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

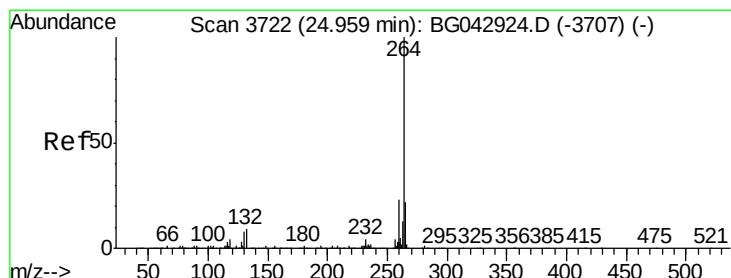
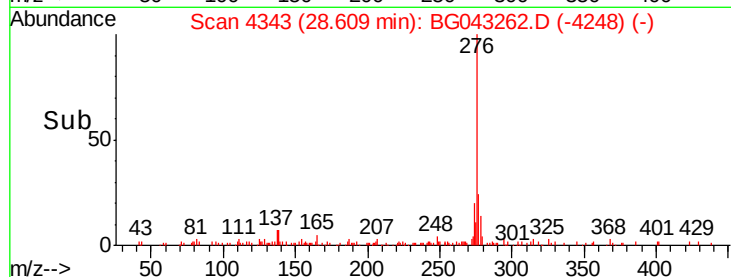
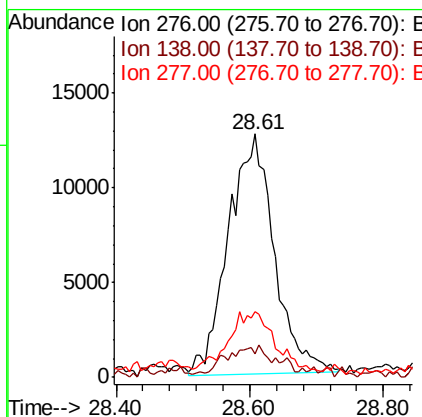
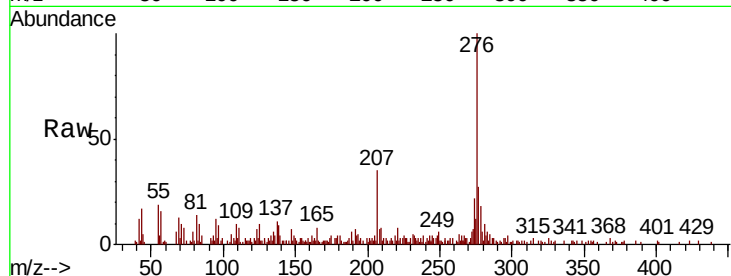




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.303 ng
 RT: 28.61 min Scan# 4343
 Delta R.T. 0.03 min
 Lab File: BG043262.D
 Acq: 17 Oct 2019 2:02

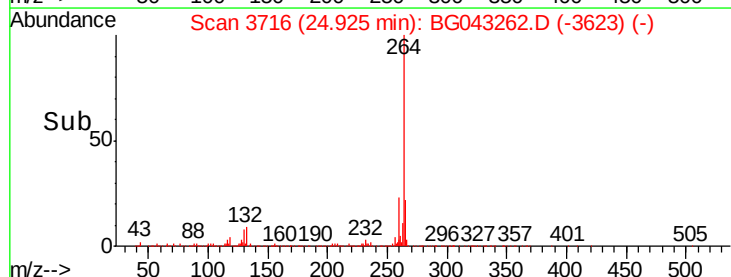
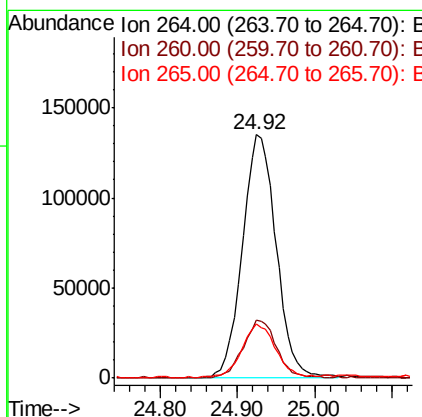
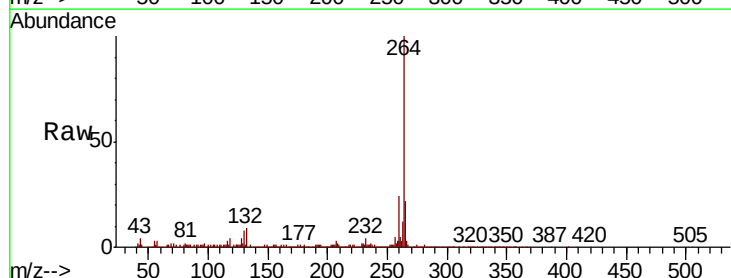
Instrument :
 BNA_G
 ClientSampleId :
 COMP-32

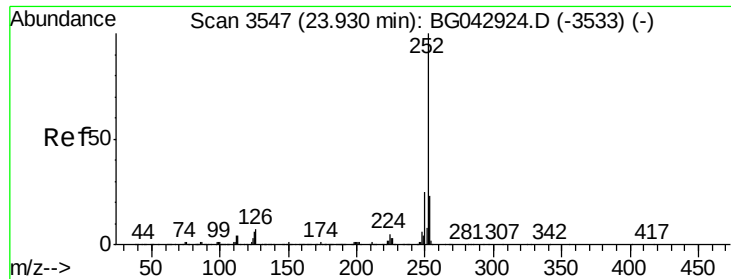
Tot Ion	Ratio	Lower	Upper
276	100		
138	4.1	7.0	10.6#
277	0.0	20.9	31.3#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.92 min Scan# 3716
 Delta R.T. 0.01 min
 Lab File: BG043262.D
 Acq: 17 Oct 2019 2:02

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.1	17.7	26.5





#88

Benzo(b)fluoranthene

Concen: 4.758 ng

RT: 23.90 min Scan# 3542

Delta R.T. 0.01 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

Instrument :

BNA_G

ClientSampleId :

COMP-32

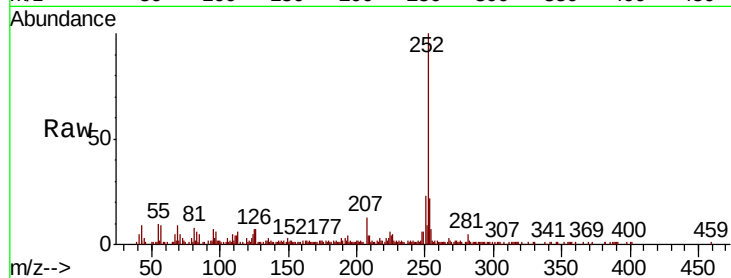
Tot Ion:252 Resp: 111762

Ion Ratio Lower Upper

252 100

253 22.3 18.2 27.2

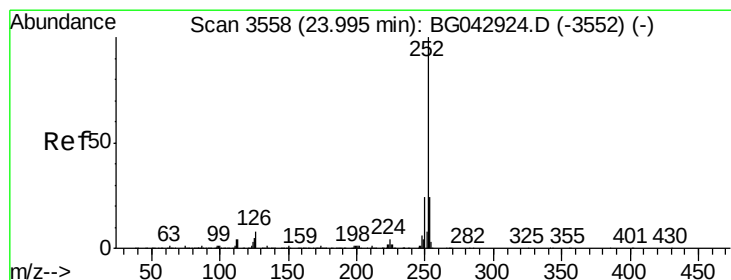
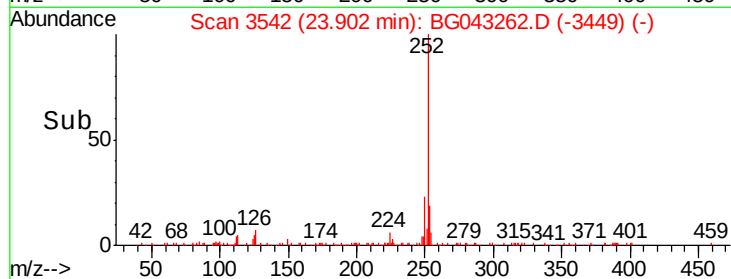
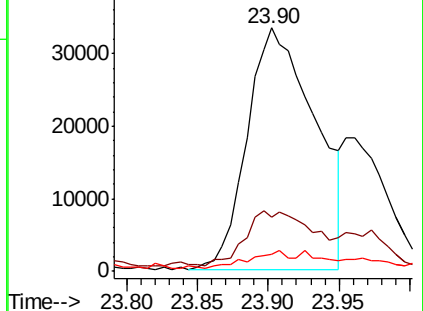
125 6.8 4.6 7.0



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89

Benzo(k)fluoranthene

Concen: 4.809 ng

RT: 23.90 min Scan# 3542

Delta R.T. -0.06 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

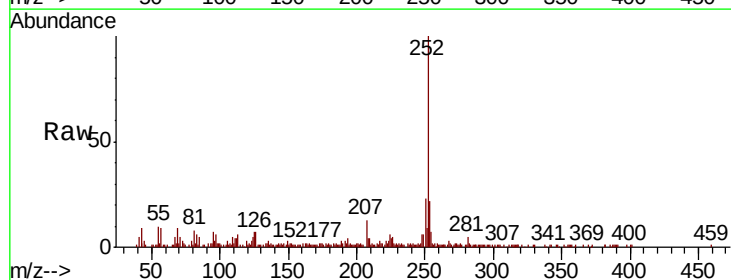
Tgt Ion:252 Resp: 111762

Ion Ratio Lower Upper

252 100

253 22.3 18.9 28.3

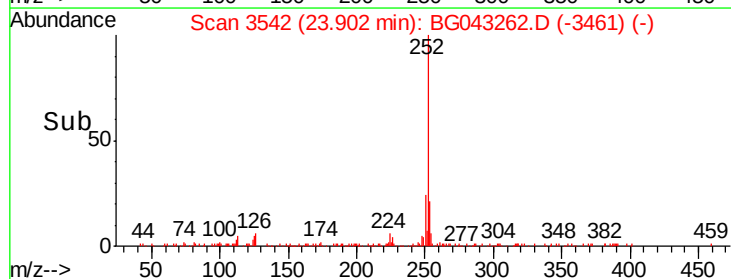
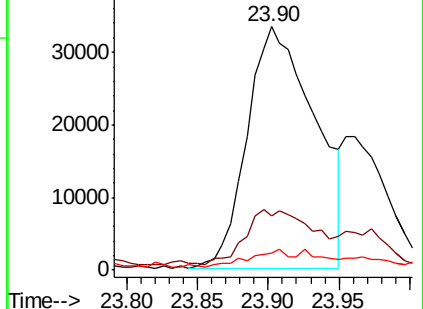
125 6.8 4.5 6.7#

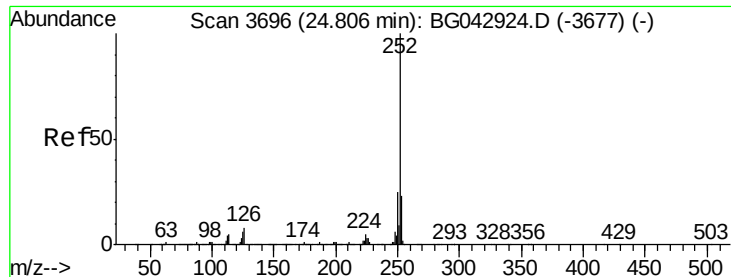


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.618 ng

RT: 24.78 min Scan# 3691

Delta R.T. 0.02 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

Instrument :

BNA_G

ClientSampleId :

COMP-32

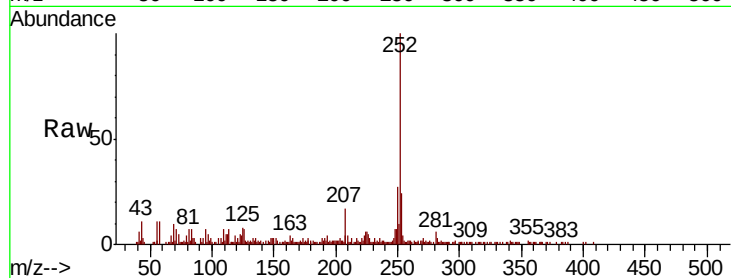
Tot Ion:252 Resp: 80194

Ion Ratio Lower Upper

252 100

253 24.5 18.2 27.4

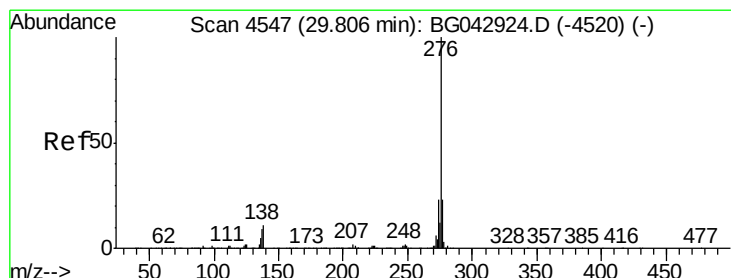
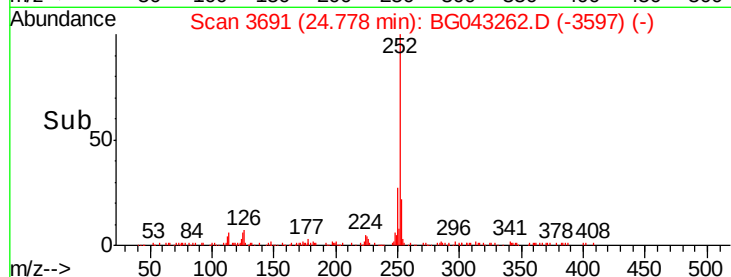
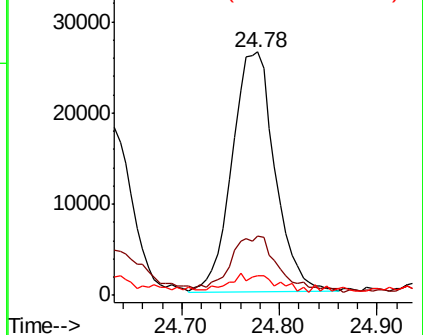
125 8.1 5.0 7.6#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92

Benzo(g,h,i)perylene

Concen: 2.631 ng

RT: 29.75 min Scan# 4538

Delta R.T. 0.03 min

Lab File: BG043262.D

Acq: 17 Oct 2019 2:02

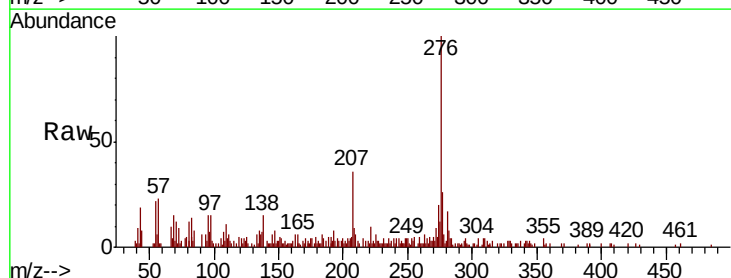
Tgt Ion:276 Resp: 57936

Ion Ratio Lower Upper

276 100

277 26.2 18.4 27.6

138 15.5 8.6 12.8#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

