

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG103019\
 Data File : BG043400.D
 Acq On : 30 Oct 2019 14:04
 Operator : JU
 Sample : DFTPP
 Misc :
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Oct 31 05:06:56 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

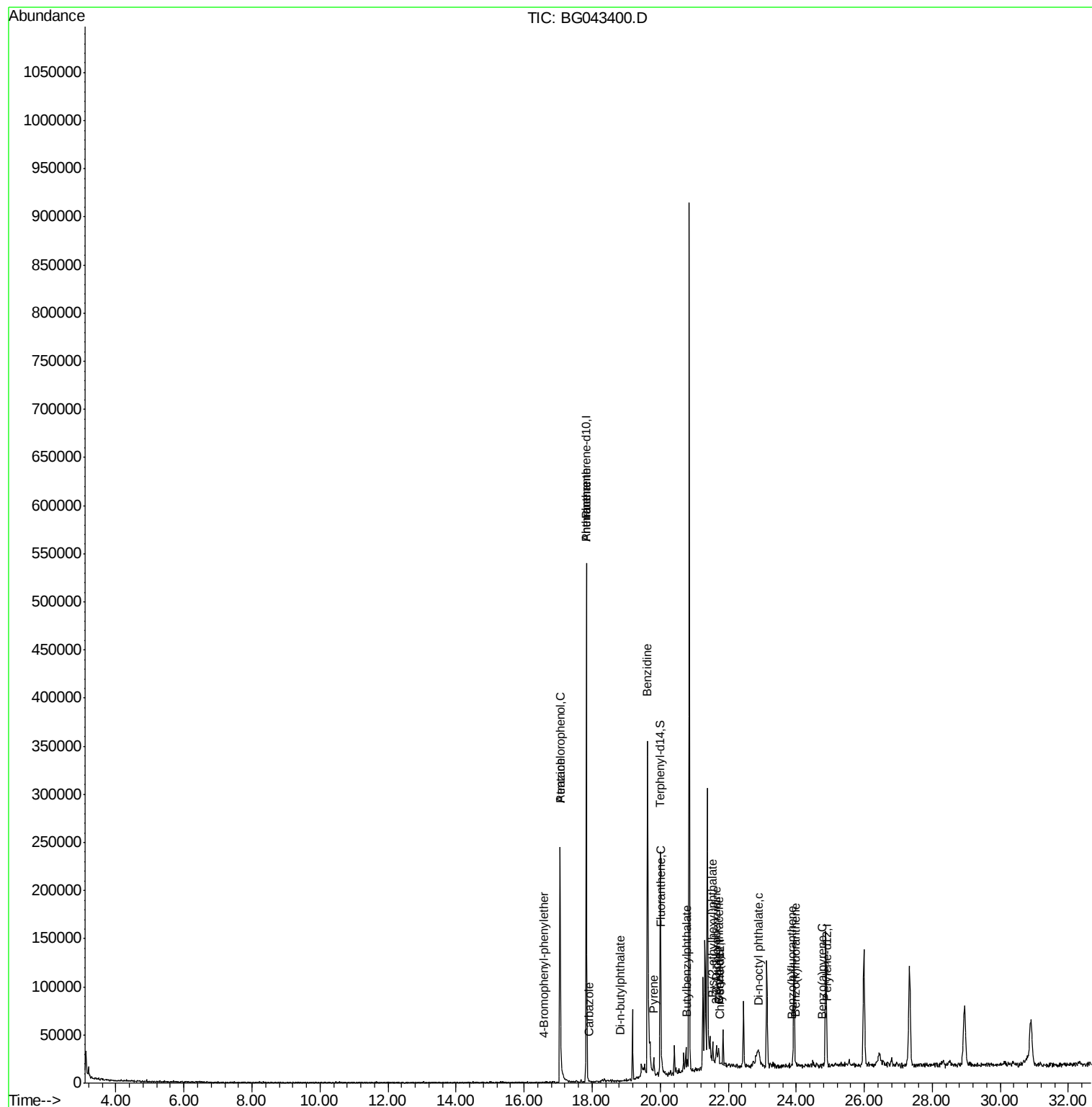
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	0.00	152	0	0.00	ng	-8.03
21) Naphthalene-d8	0.00	136	0	0.00	ng	-10.83
39) Acenaphthene-d10	0.00	164	0	0.00	ng	-14.65
64) Phenanthrene-d10	17.82	188	272	20.00	ng	0.42
76) Chrysene-d12	21.77	240	135	20.00	ng	0.10
87) Perylene-d12	24.91	264	125	20.00	ng	0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	55	0.00	ng	-0.30
7) Phenol-d6	0.00	99	0	0.00	ng	
23) Nitrobenzene-d5	0.00	82	0	0.00	ng	
42) 2,4,6-Tribromophenol	16.16	330	55	0.00	ng	0.00
45) 2-Fluorobiphenyl	0.00	172	0	0.00	ng	
79) Terphenyl-d14	20.00	244	153600	21345.36	ng	0.00
Target Compounds						
67) 4-Bromophenyl-phenylether	16.58	248	69	18.850	ng	# 8
69) Atrazine	17.05	200	11498	4308.987	ng	# 37
70) Pentachlorophenol	17.05	266	66415	34688.605	ng	# 96
71) Phenanthrene	17.82	178	267	19.169	ng	# 1
72) Anthracene	17.82	178	267	19.160	ng	# 1
73) Carbazole	17.92	167	348	27.576	ng	# 58
74) Di-n-butylphthalate	18.82	149	124	8.098	ng	# 77
75) Fluoranthene	20.02	202	914	50.335	ng	# 65
77) Benzidine	19.63	184	313014	115209.254	ng	# 99
78) Pyrene	19.81	202	12854	1538.234	ng	# 90
80) Butylbenzylphthalate	20.77	149	639	201.839	ng	# 54
81) Benzo(a)anthracene	21.71	228	11519	1362.179	ng	# 95
82) 3,3'-Dichlorobenzidine	21.64	252	62	18.956	ng	# 23
83) Chrysene	21.71	228	11519	1370.986	ng	# 97
84) Bis(2-ethylhexyl)phthalate	21.55	149	11651	2590.734	ng	# 81
85) Di-n-octyl phthalate	22.89	149	353	46.266	ng	# 1
88) Benzo(b)fluoranthene	23.88	252	2064	291.542	ng	# 60
89) Benzo(k)fluoranthene	23.98	252	133	18.661	ng	# 60
90) Benzo(a)pyrene	24.76	252	401	59.315	ng	# 61

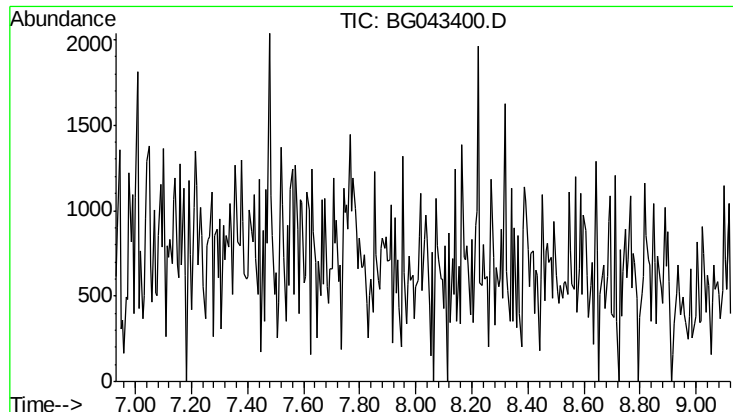
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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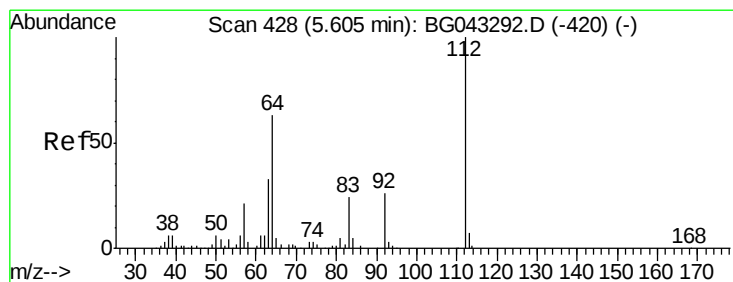
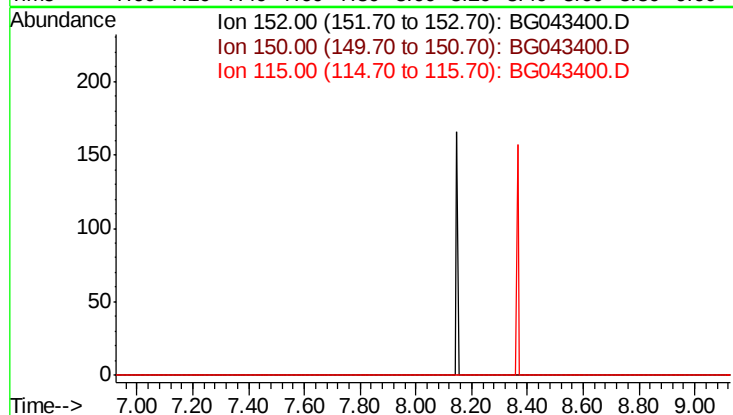




#1
 1,4-Dichlorobenzene-d4
 Concen: 0.000 ng
 Expected RT: 8.03 min
 Lab File: BG043400.D
 Acq: 30 Oct 2019 14:04

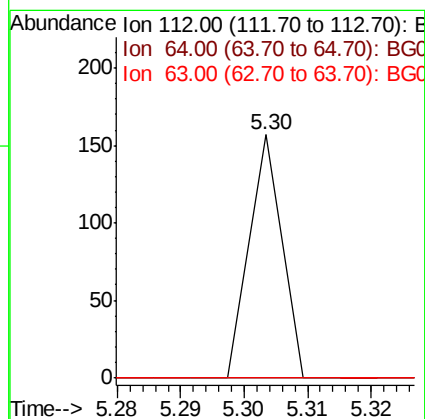
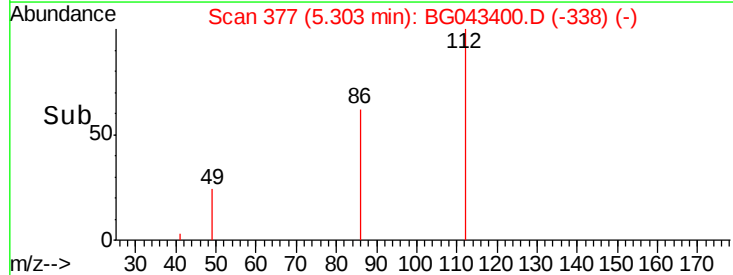
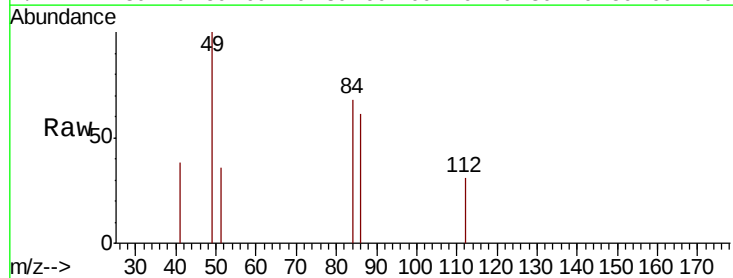
Instrument :
 BNA_G
 ClientSampleId :

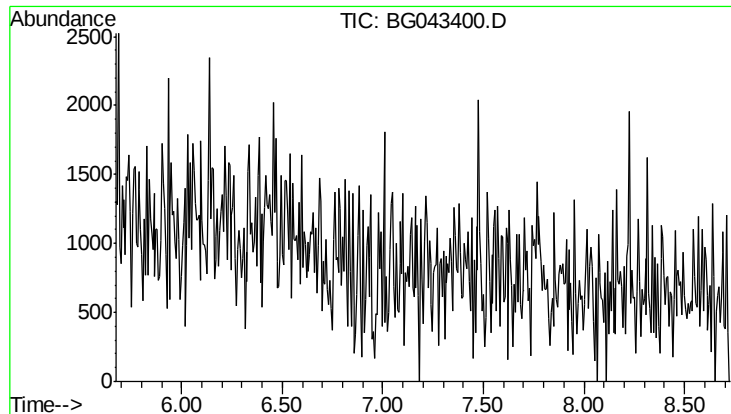
Tot Ion: 152
 Sig Exp Ratio
 152 100
 150 142.0
 115 57.4



#5
 2-Fluorophenol
 Concen: 0.000 ng
 RT: 5.30 min Scan# 377
 Delta R.T. -0.30 min
 Lab File: BG043400.D
 Acq: 30 Oct 2019 14:04

Tgt Ion: 112 Resp: 55
 Ion Ratio Lower Upper
 112 100
 64 0.0 50.2 75.2#
 63 0.0 26.7 40.1#





#7

Phenol-d6

Concen: 0.000 ng

Expected RT: 7.20 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

Instrument :

BNA_G

ClientSampleId :

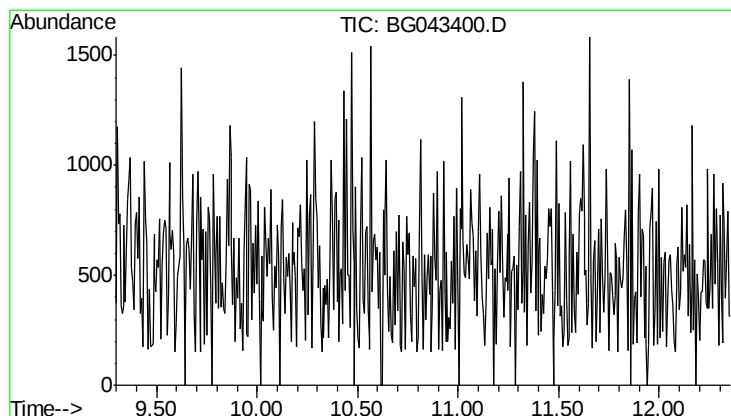
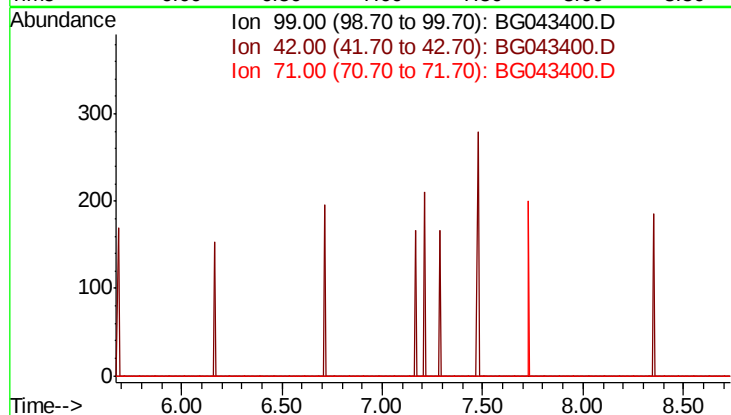
Tot Ion: 99

Sig Exp Ratio

99 100

42 18.6

71 40.2



#21

Naphthalene-d8

Concen: 0.000 ng

Expected RT: 10.83 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

Tgt Ion: 136

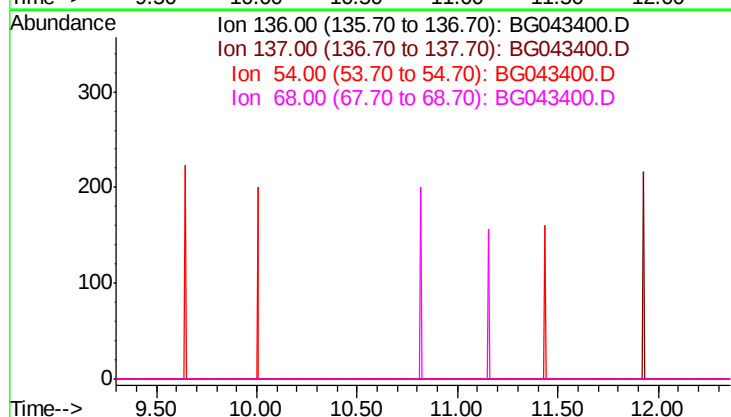
Sig Exp Ratio

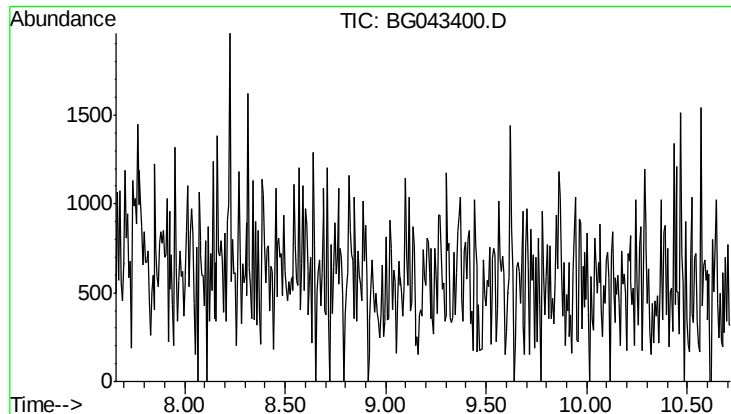
136 100

137 10.2

54 6.8

68 4.1

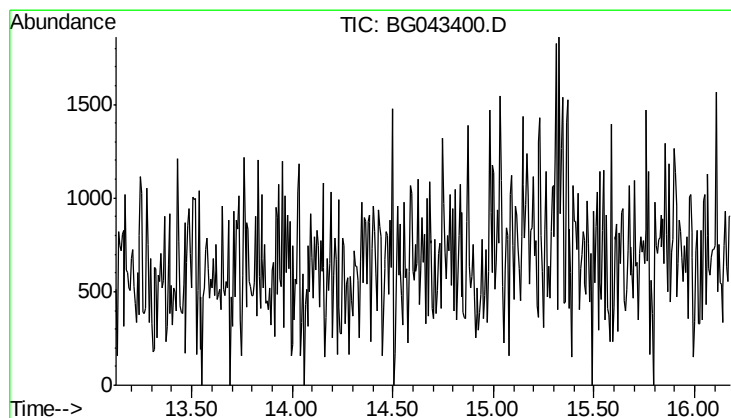
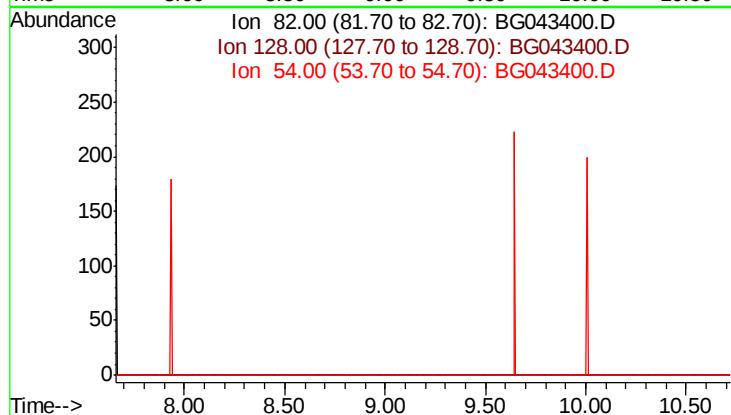




#23
 Nitrobenzene-d5
 Concen: 0.000 ng
 Expected RT: 9.19 min
 Lab File: BG043400.D
 Acq: 30 Oct 2019 14:04

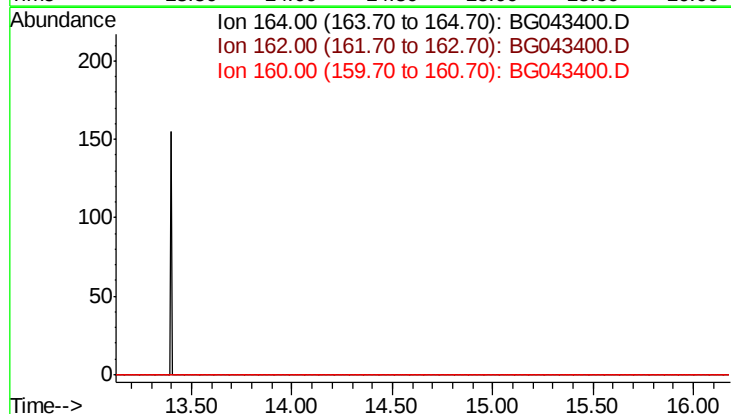
Instrument :
 BNA_G
 ClientSampleId :

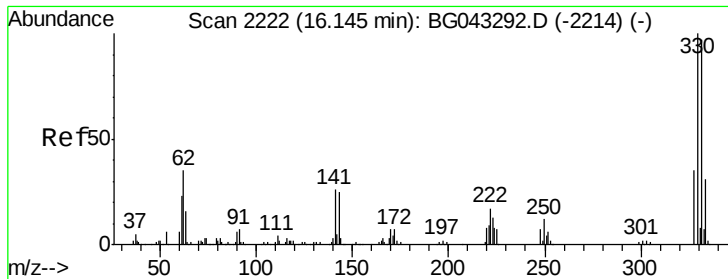
Tot Ion: 82
 Sig Exp Ratio
 82 100
 128 44.1
 54 52.9



#39
 Acenaphthene-d10
 Concen: 0.000 ng
 Expected RT: 14.65 min
 Lab File: BG043400.D
 Acq: 30 Oct 2019 14:04

Tgt Ion: 164
 Sig Exp Ratio
 164 100
 162 108.7
 160 44.4





#42

2,4,6-Tribromophenol

Concen: 0.000 ng

RT: 16.16 min Scan# 2224

Delta R.T. 0.01 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

Instrument :

BNA_G

ClientSampleId :

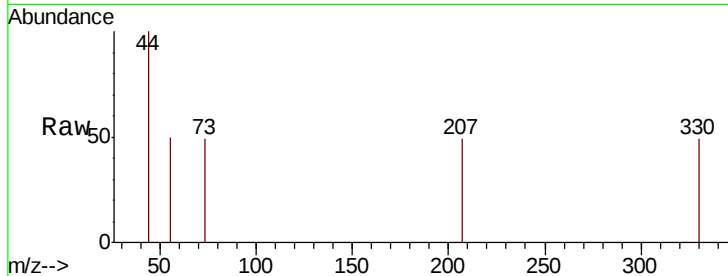
Tot Ion: 330 Resp: 55

Ion Ratio Lower Upper

330 100

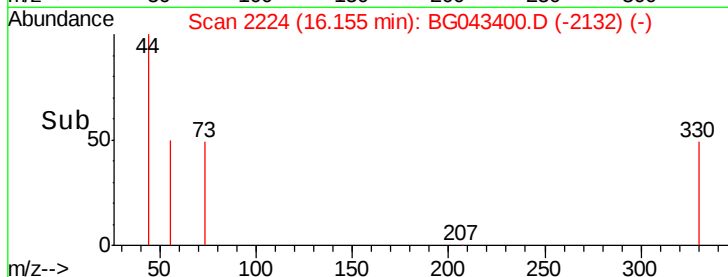
332 0.0 76.4 114.6#

141 0.0 21.4 32.0#

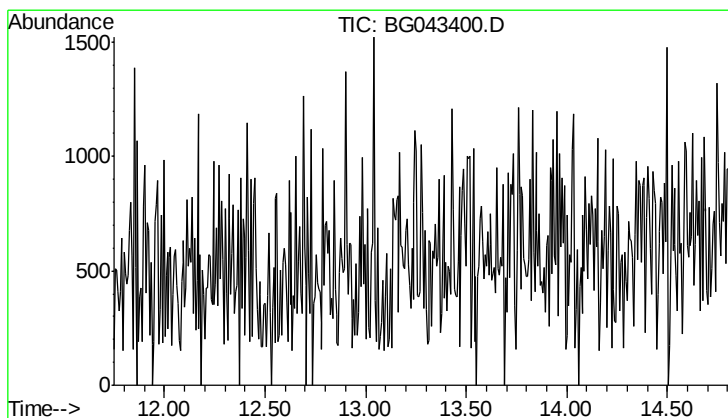


Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E

16.16



Time-->



#45

2-Fluorobiphenyl

Concen: 0.000 ng

Expected RT: 13.28 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

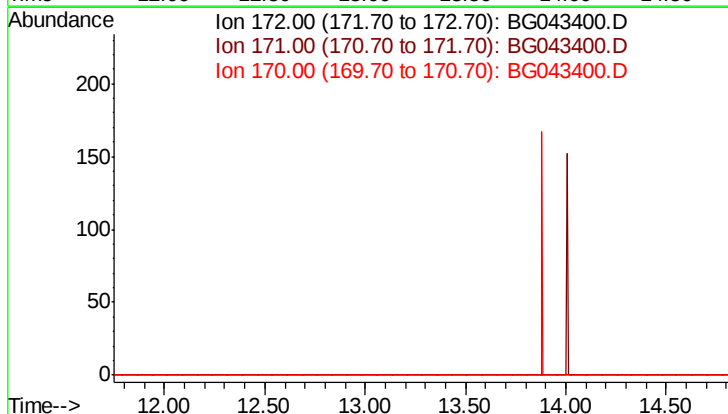
Tgt Ion: 172

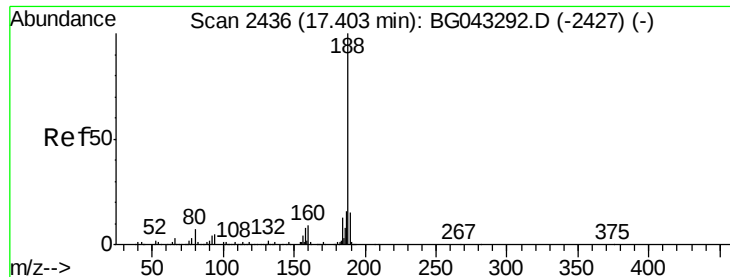
Sig Exp Ratio

172 100

171 35.6

170 23.5





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.82 min Scan# 2508

Delta R.T. 0.42 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

Instrument :

BNA_G

ClientSampleId :

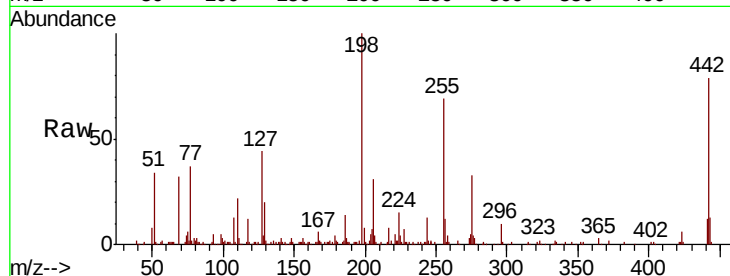
Tot Ion:188 Resp: 272

Ion Ratio Lower Upper

188 100

94 46.2 4.2 6.2#

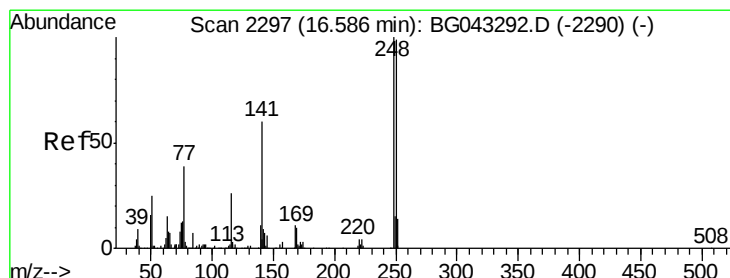
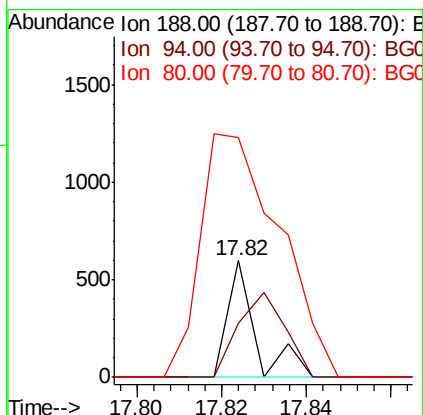
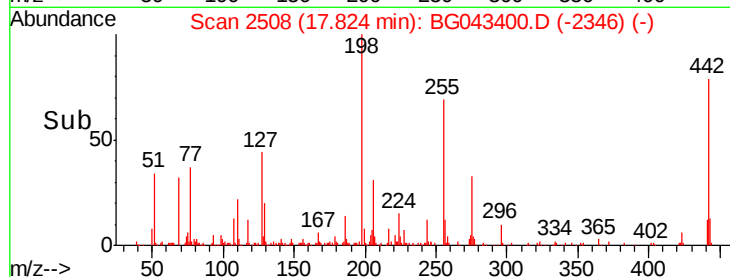
80 205.7 5.2 7.8#



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: 18.850 ng

RT: 16.58 min Scan# 2297

Delta R.T. -0.00 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

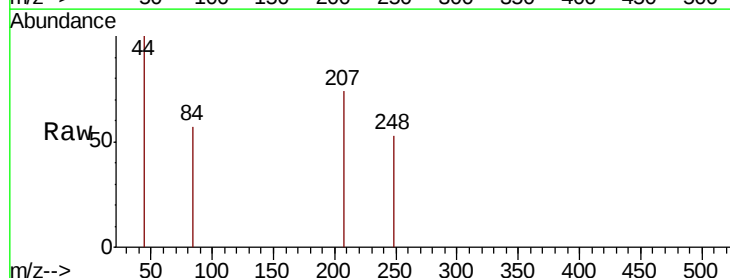
Tgt Ion:248 Resp: 69

Ion Ratio Lower Upper

248 100

250 0.0 79.3 118.9#

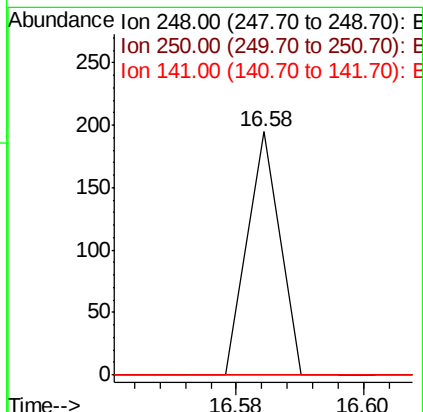
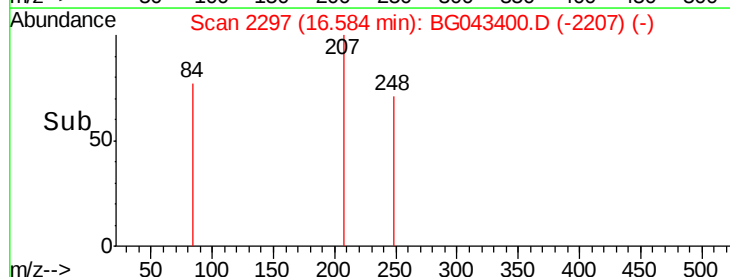
141 0.0 47.9 71.9#

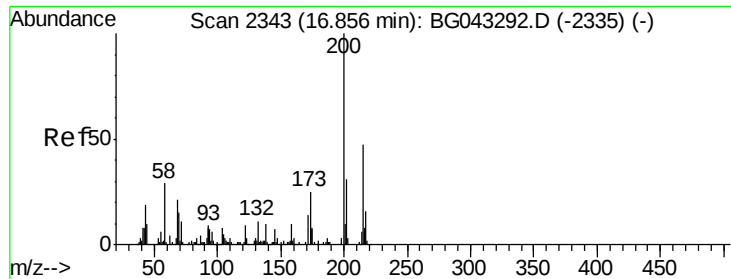


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

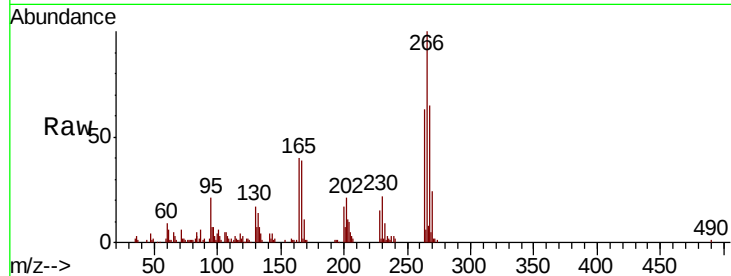




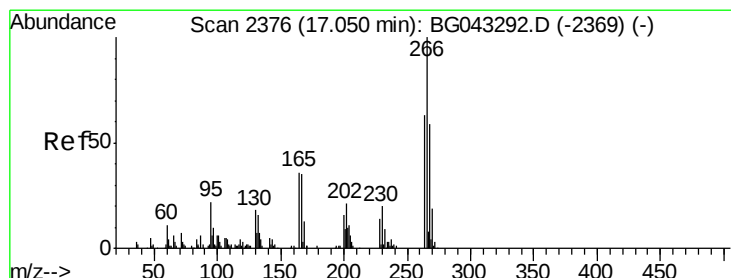
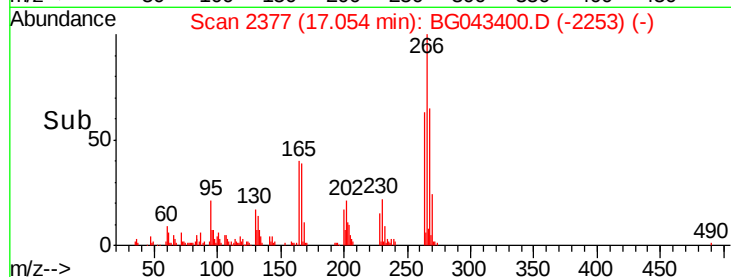
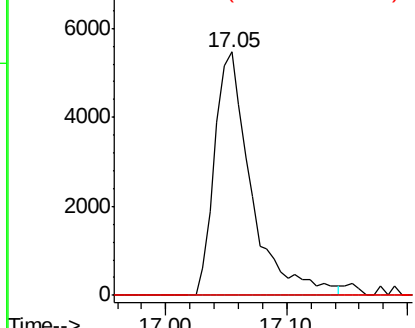
#69
Atrazine
Concen: 4308.987 ng
RT: 17.05 min Scan# 2377
Delta R.T. 0.20 min
Lab File: BG043400.D
Acq: 30 Oct 2019 14:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
200	100		
173	0.0	5.1	45.1#
215	0.0	26.6	66.6#

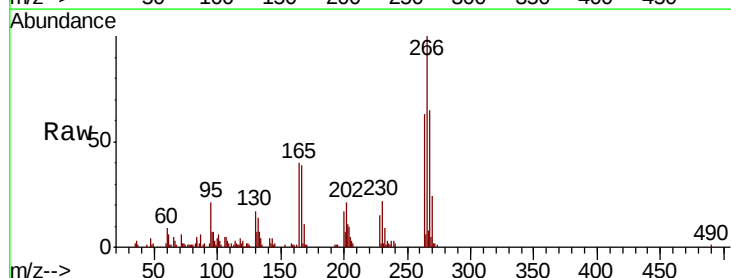


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

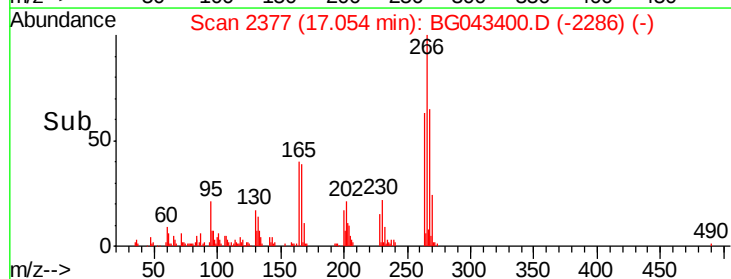
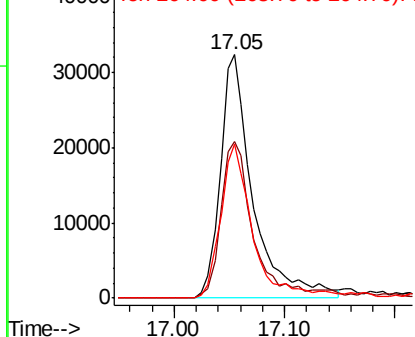


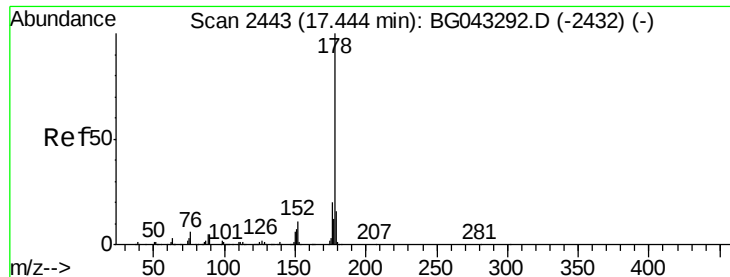
#70
Pentachlorophenol
Concen: 34688.605 ng
RT: 17.05 min Scan# 2377
Delta R.T. 0.00 min
Lab File: BG043400.D
Acq: 30 Oct 2019 14:04

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.5	47.1	70.7
264	63.3	50.4	75.6



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

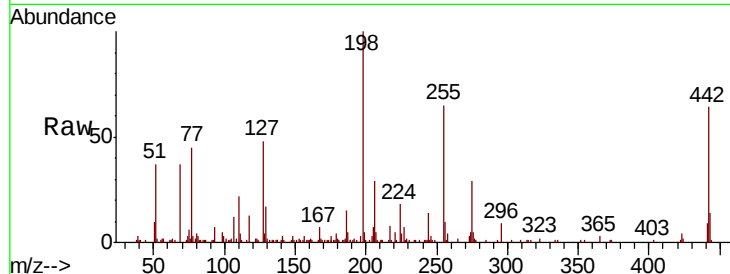




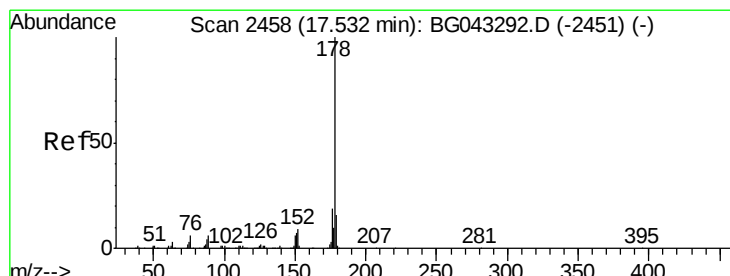
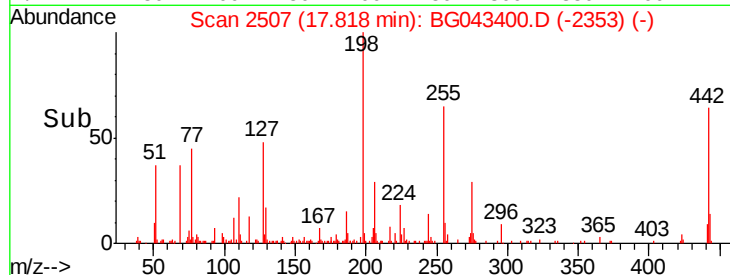
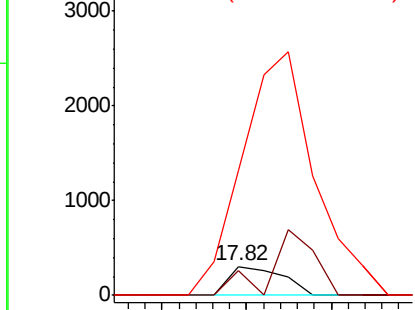
#71
Phenanthrene
Concen: 19.169 ng
RT: 17.82 min Scan# 2507
Delta R.T. 0.37 min
Lab File: BG043400.D
Acq: 30 Oct 2019 14:04

Instrument :
BNA_G
ClientSampleId :

Tot Ion:178 Resp: 267
Ion Ratio Lower Upper
178 100
176 87.5 15.8 23.8#
179 435.0 13.1 19.7#

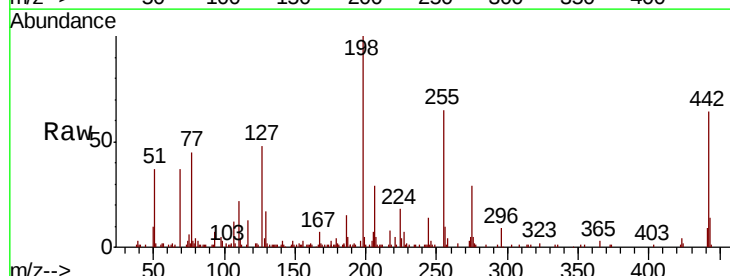


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

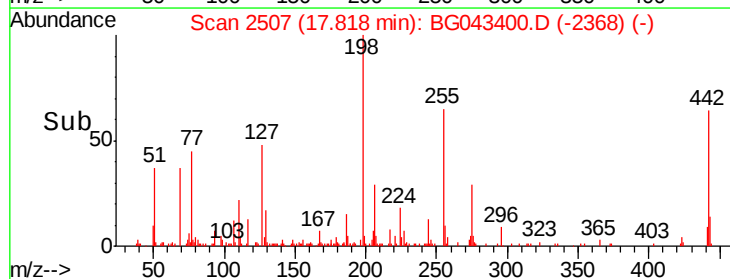
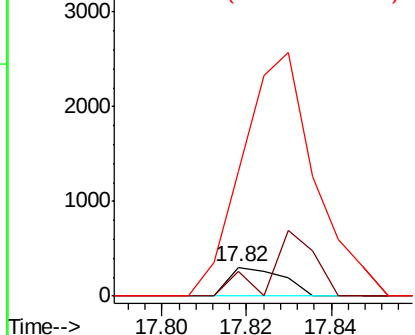


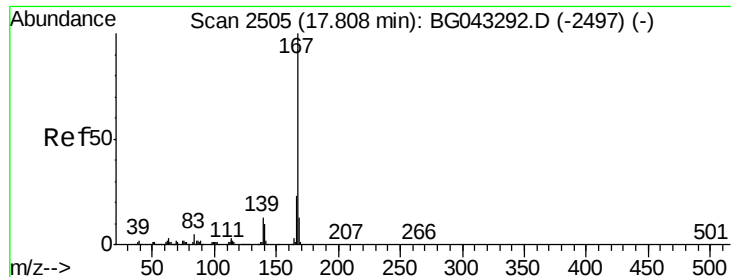
#72
Anthracene
Concen: 19.160 ng
RT: 17.82 min Scan# 2507
Delta R.T. 0.29 min
Lab File: BG043400.D
Acq: 30 Oct 2019 14:04

Tgt Ion:178 Resp: 267
Ion Ratio Lower Upper
178 100
176 87.5 15.1 22.7#
179 435.0 13.0 19.6#



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

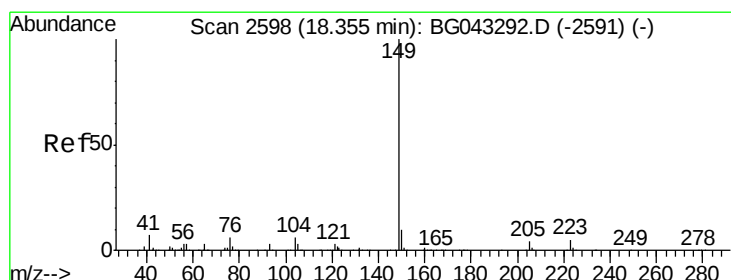
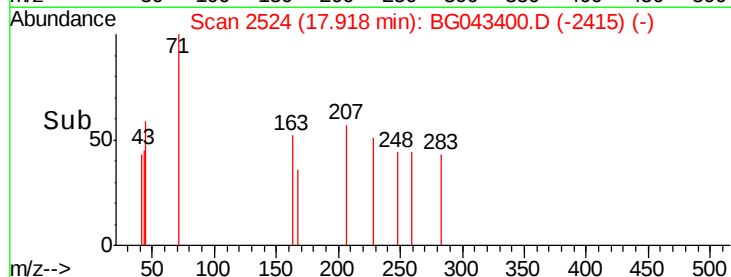
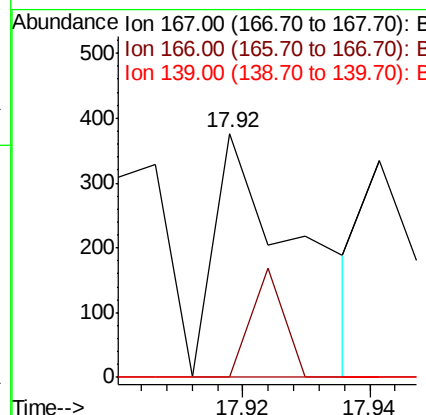
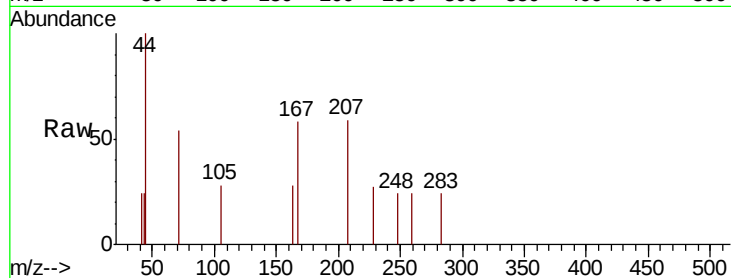




#73
 Carbazole
 Concen: 27.576 ng
 RT: 17.92 min Scan# 2524
 Delta R.T. 0.11 min
 Lab File: BG043400.D
 Acq: 30 Oct 2019 14:04

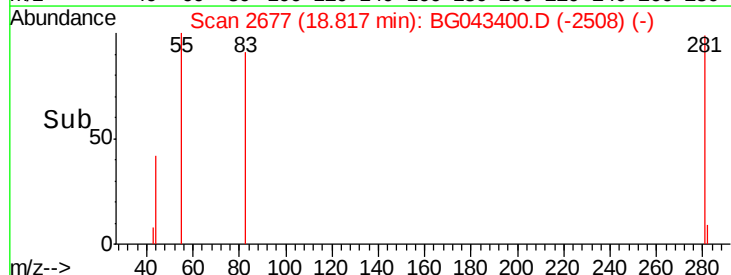
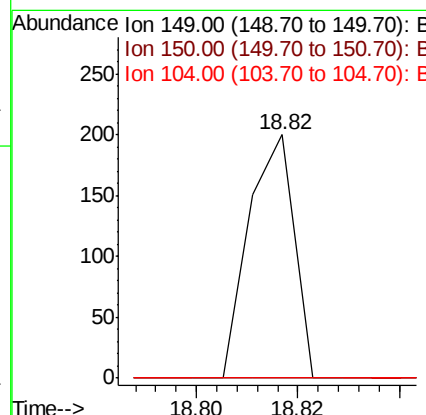
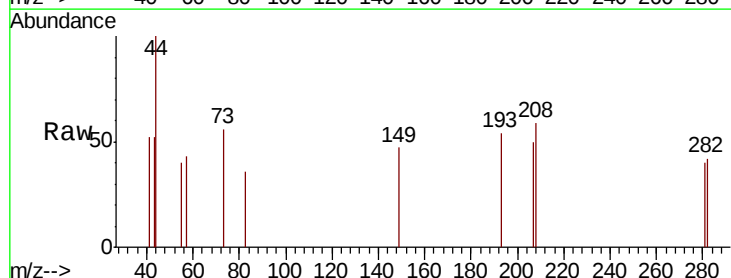
Instrument :
 BNA_G
 ClientSampleId :

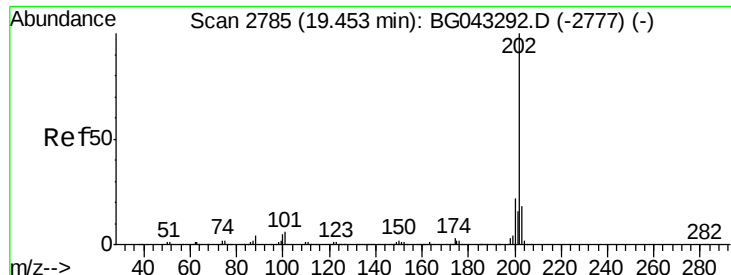
Tot Ion	Ratio	Lower	Upper
167	100		
166	0.0	18.4	27.6#
139	0.0	10.2	15.4#



#74
 Di-n-butylphthalate
 Concen: 8.098 ng
 RT: 18.82 min Scan# 2677
 Delta R.T. 0.46 min
 Lab File: BG043400.D
 Acq: 30 Oct 2019 14:04

Tgt Ion	Ratio	Lower	Upper
149	100		
150	0.0	8.0	12.0#
104	0.0	4.7	7.1#





#75

Fluoranthene

Concen: 50.335 ng

RT: 20.02 min Scan# 2882

Delta R.T. 0.57 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

Instrument :

BNA_G

ClientSampleId :

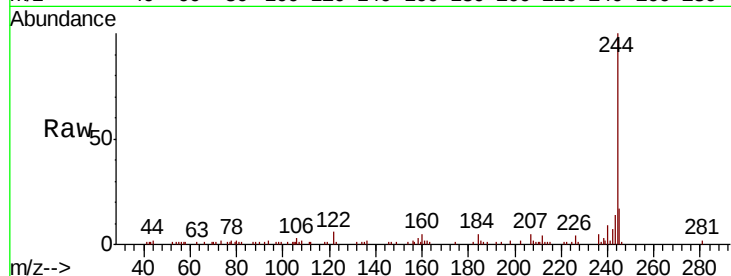
Tot Ion:202 Resp: 914

Ion Ratio Lower Upper

202 100

101 0.0 0.0 26.0

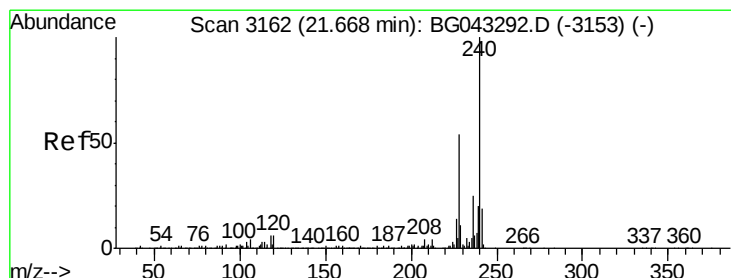
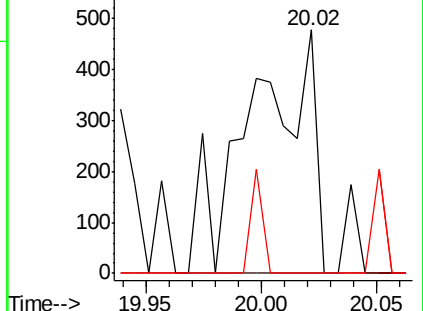
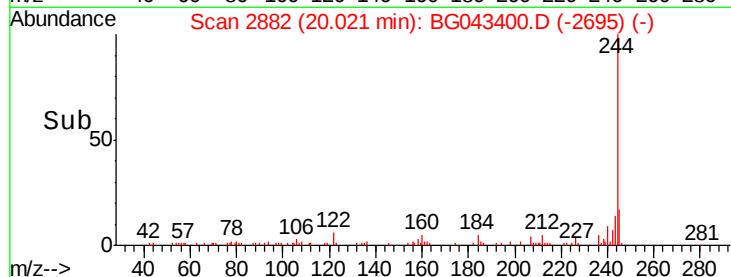
203 0.0 0.0 38.2



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: 21.77 min Scan# 3180

Delta R.T. 0.10 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

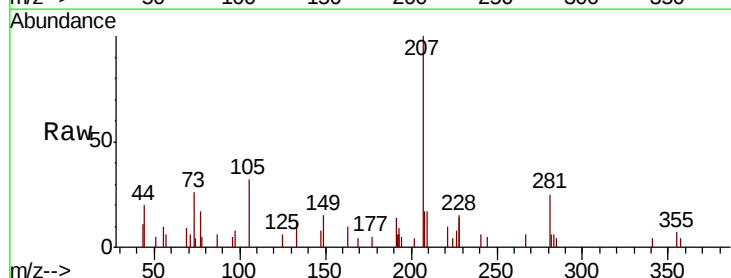
Tgt Ion:240 Resp: 135

Ion Ratio Lower Upper

240 100

120 0.0 4.6 7.0#

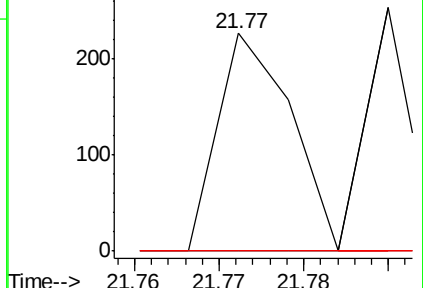
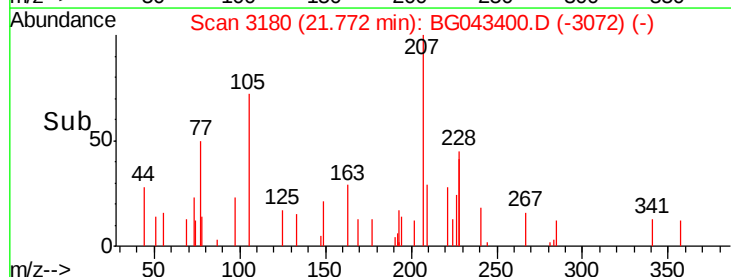
236 0.0 20.2 30.4#

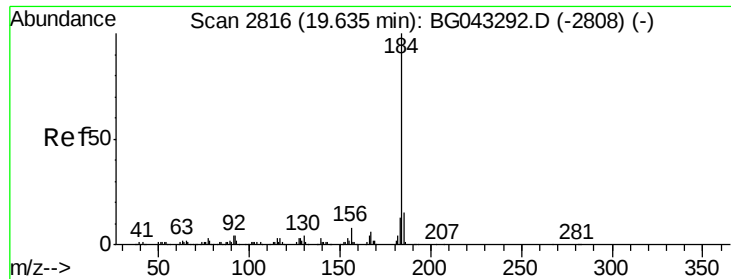


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 115209.254 ng

RT: 19.63 min Scan# 2815

Delta R.T. -0.01 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

Instrument :

BNA_G

ClientSampleId :

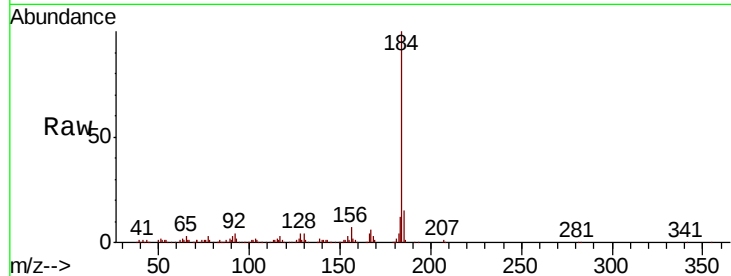
Tot Ion:184 Resp: 313014

Ion Ratio Lower Upper

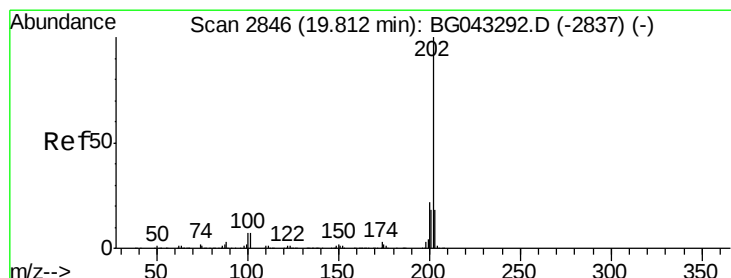
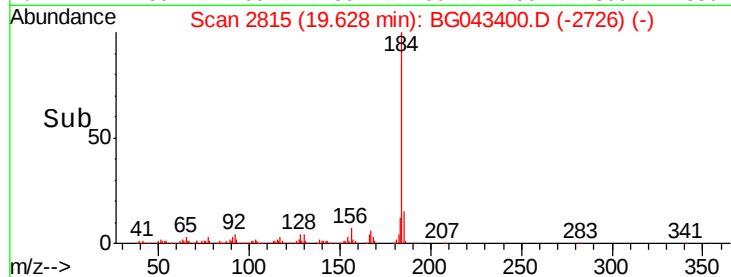
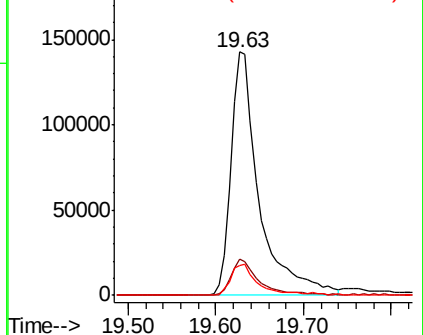
184 100

185 14.9 11.8 17.6

183 12.3 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



#78

Pyrene

Concen: 1538.234 ng

RT: 19.81 min Scan# 2846

Delta R.T. -0.00 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

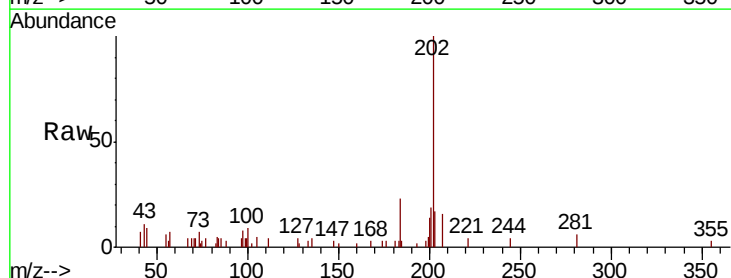
Tgt Ion:202 Resp: 12854

Ion Ratio Lower Upper

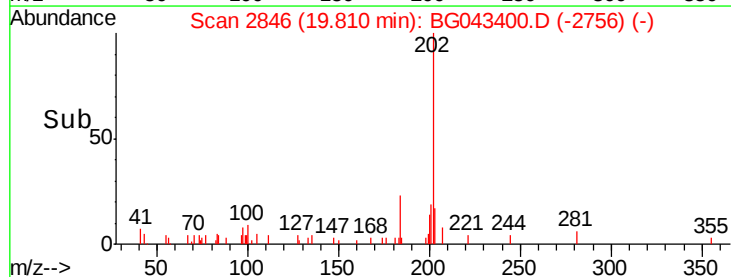
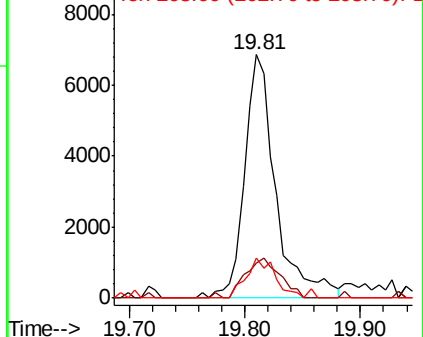
202 100

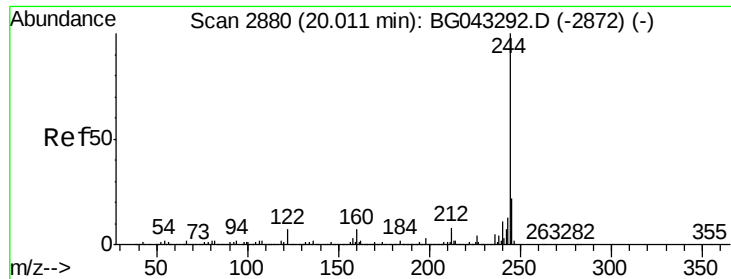
200 14.3 17.3 25.9#

203 16.7 14.5 21.7



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: 21345.356 ng

RT: 20.00 min Scan# 2879

Delta R.T. -0.01 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

Instrument :

BNA_G

ClientSampleId :

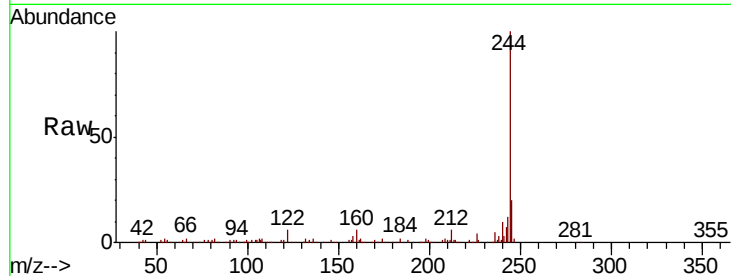
Tot Ion:244 Resp: 153600

Ion Ratio Lower Upper

244 100

212 6.0 6.4 9.6#

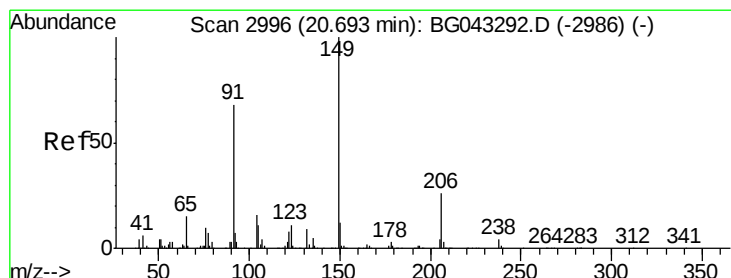
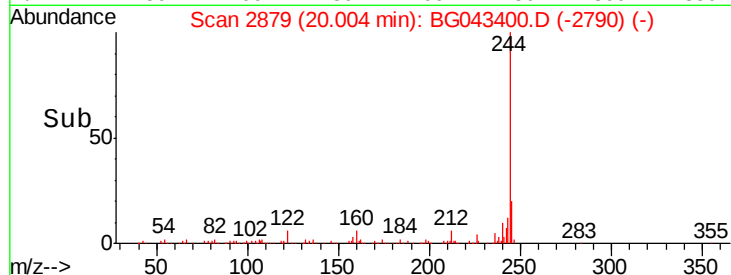
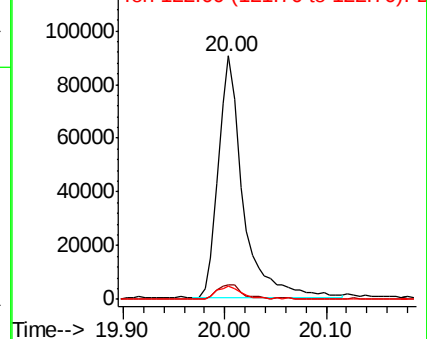
122 5.6 5.3 7.9



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



#80

Butylbenzylphthalate

Concen: 201.839 ng

RT: 20.77 min Scan# 3010

Delta R.T. 0.08 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

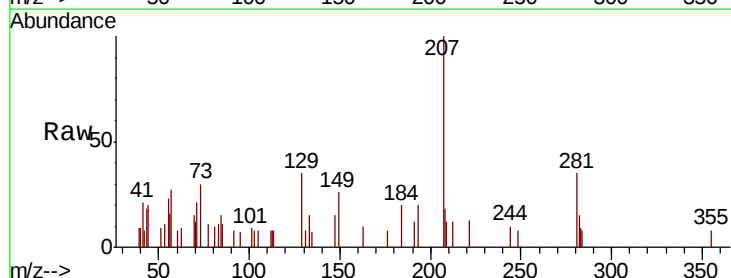
Tgt Ion:149 Resp: 639

Ion Ratio Lower Upper

149 100

91 32.1 54.6 82.0#

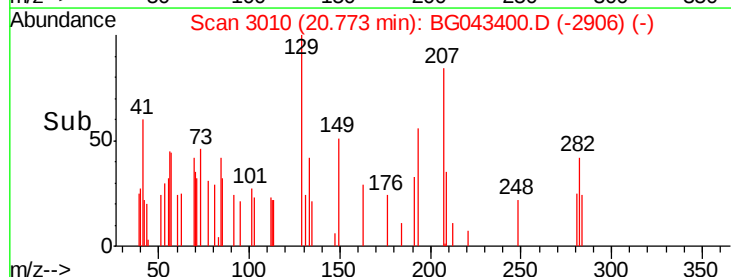
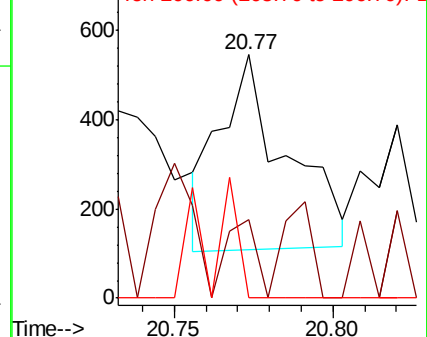
206 0.0 20.5 30.7#

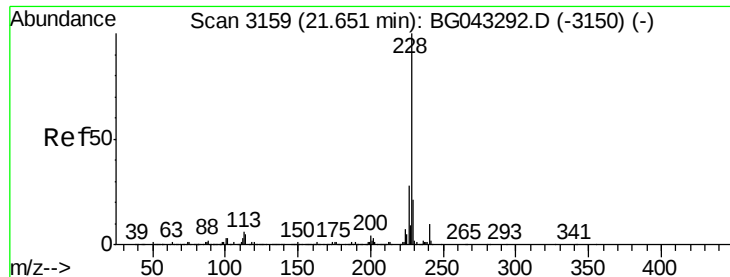


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BG

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 1362.179 ng

RT: 21.71 min Scan# 3170

Delta R.T. 0.06 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

Instrument :

BNA_G

ClientSampleId :

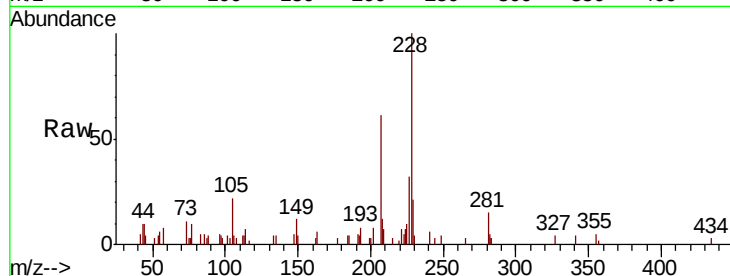
Tot Ion:228 Resp: 11519

Ion Ratio Lower Upper

228 100

226 31.8 22.2 33.4

229 20.9 16.9 25.3

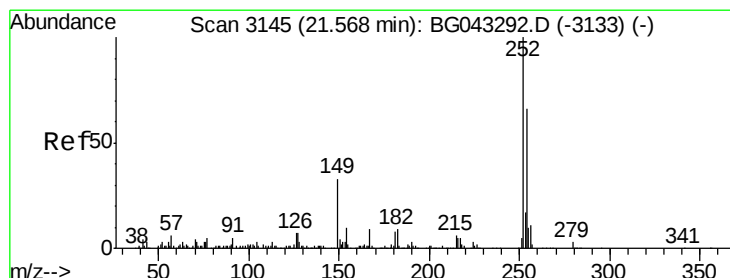
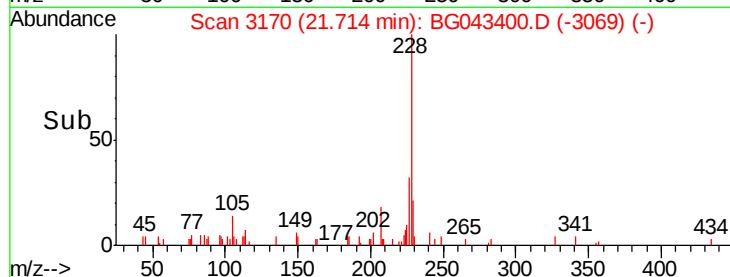
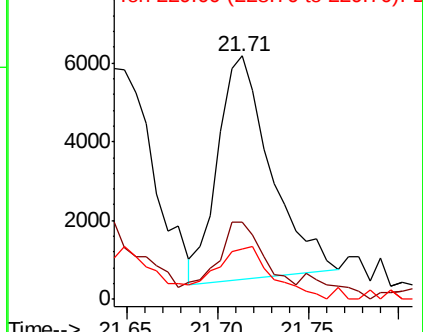


Abundance

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



#82

3,3'-Dichlorobenzidine

Concen: 18.956 ng

RT: 21.64 min Scan# 3158

Delta R.T. 0.07 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

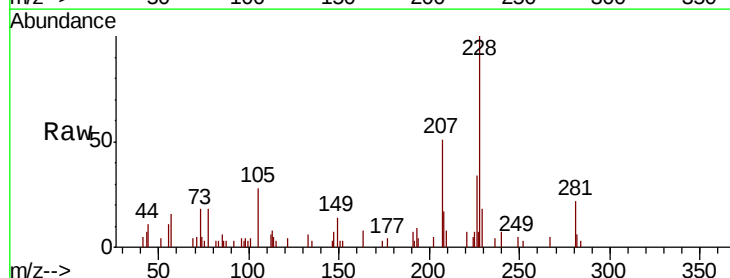
Tgt Ion:252 Resp: 62

Ion Ratio Lower Upper

252 100

254 0.0 52.7 79.1#

126 0.0 5.6 8.4#

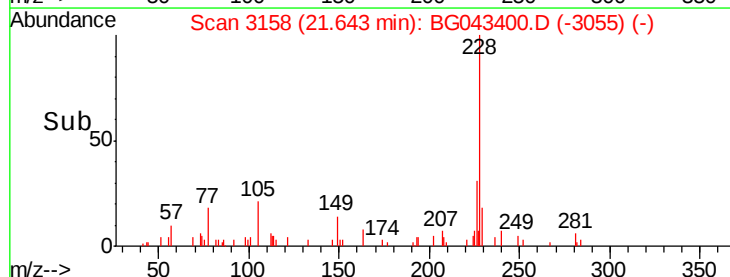
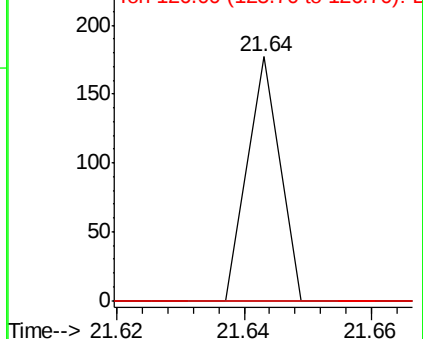


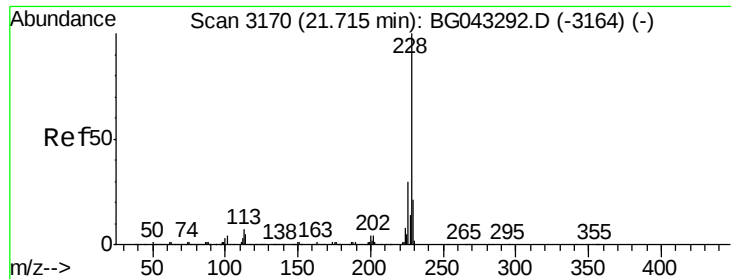
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

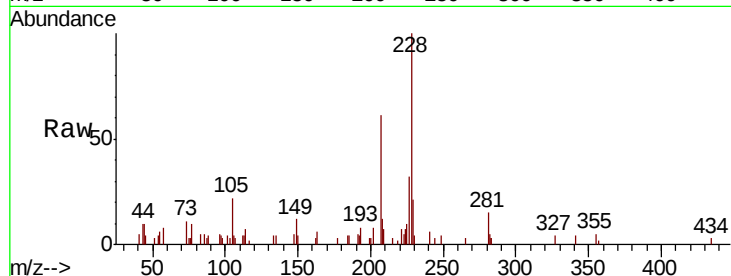




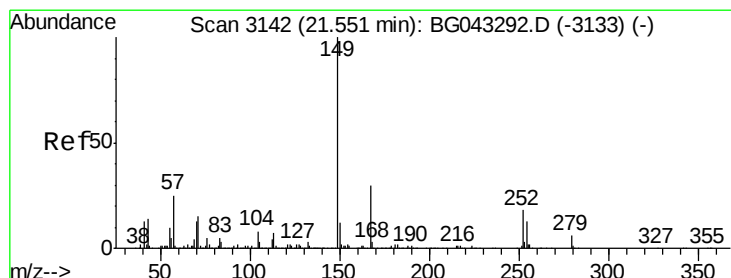
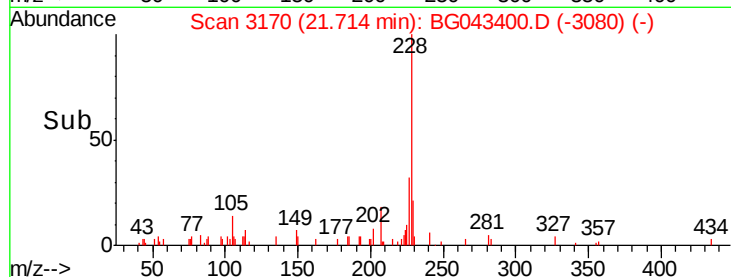
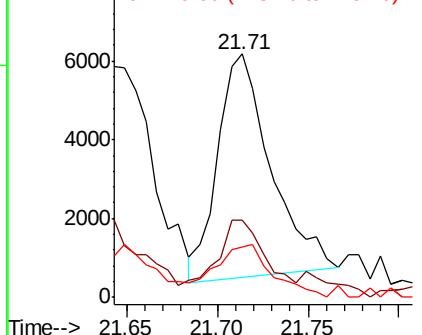
#83
 Chrysene
 Concen: 1370.986 ng
 RT: 21.71 min Scan# 3170
 Delta R.T. -0.00 min
 Lab File: BG043400.D
 Acq: 30 Oct 2019 14:04

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	228	Resp:	11519
Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.8	35.8
229	20.9	16.3	24.5

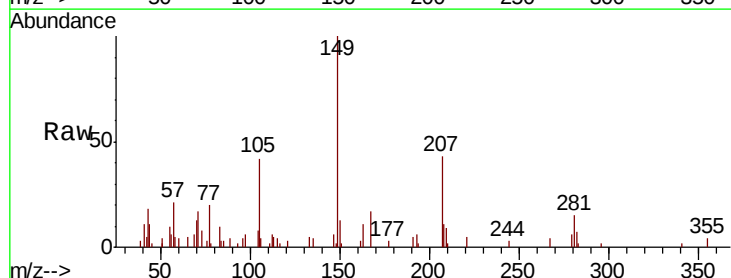


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

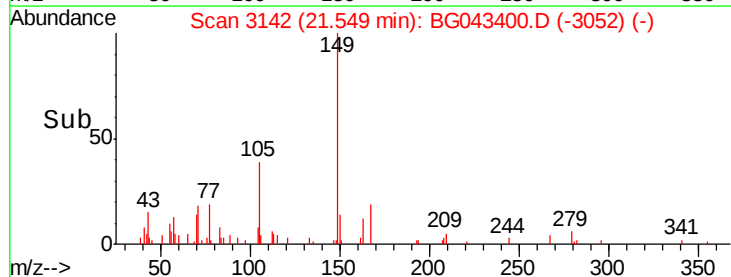
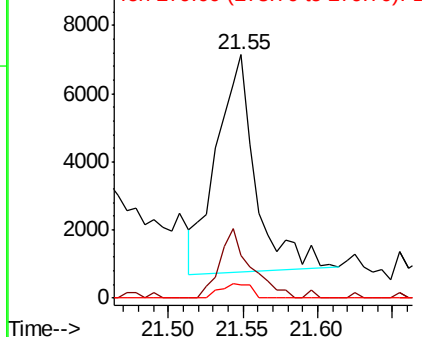


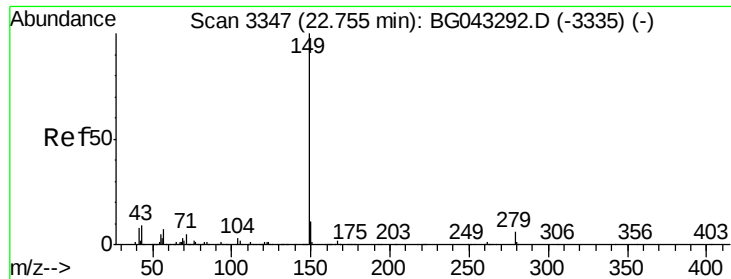
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 2590.734 ng
 RT: 21.55 min Scan# 3142
 Delta R.T. -0.00 min
 Lab File: BG043400.D
 Acq: 30 Oct 2019 14:04

Tgt Ion:	149	Resp:	11651
Ion	Ratio	Lower	Upper
149	100		
167	17.4	23.9	35.9#
279	5.6	4.8	7.2



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 46.266 ng

RT: 22.89 min Scan# 3370

Delta R.T. 0.13 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

Instrument :

BNA_G

ClientSampled :

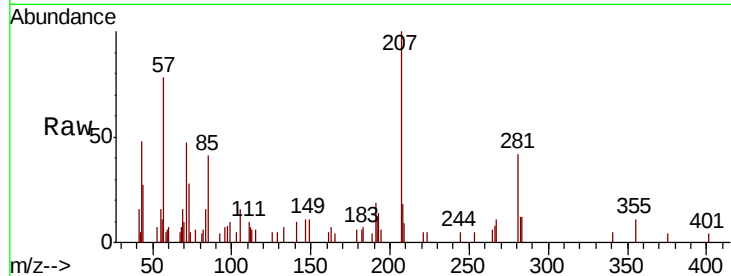
Tot Ion:149 Resp: 353

Ion Ratio Lower Upper

149 100

167 0.0 1.4 2.0#

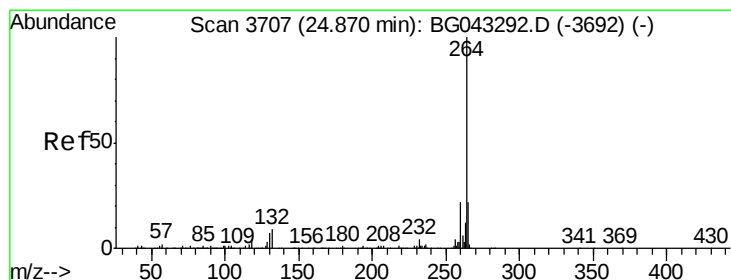
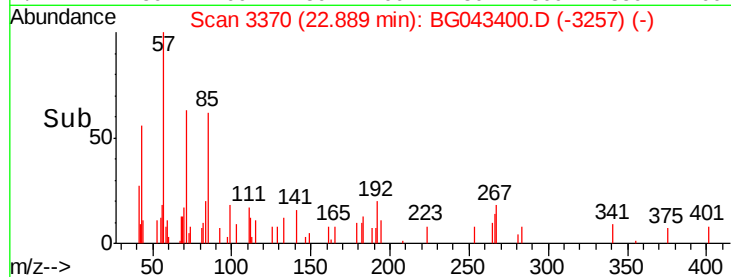
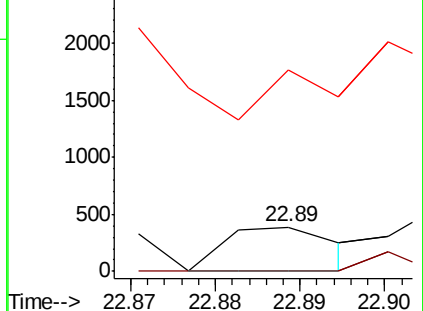
43 423.5 6.9 10.3#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BGC



#87

Perylene-d12

Concen: 20.000 ng

RT: 24.91 min Scan# 3714

Delta R.T. 0.04 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

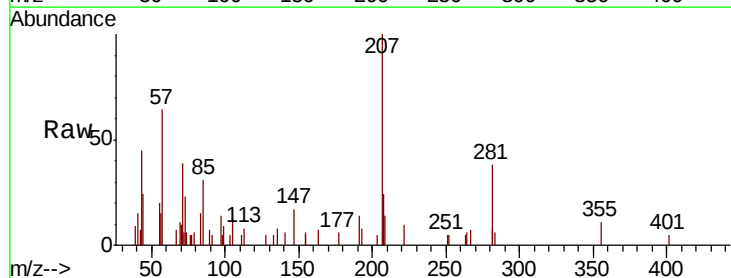
Tgt Ion:264 Resp: 125

Ion Ratio Lower Upper

264 100

260 0.0 17.9 26.9#

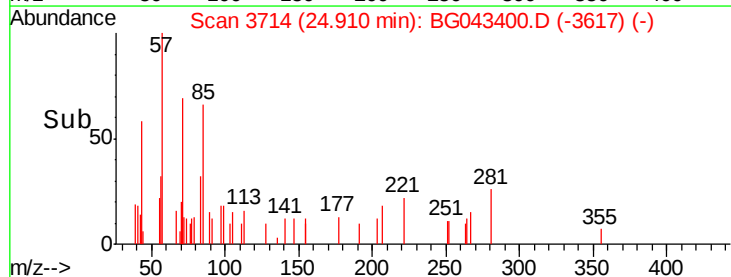
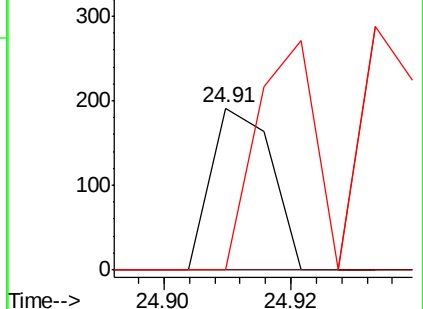
265 0.0 17.4 26.2#

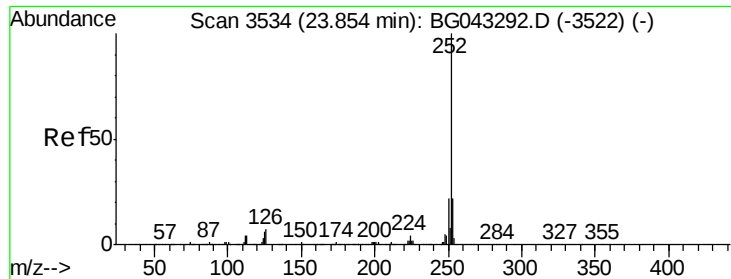


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 291.542 ng

RT: 23.88 min Scan# 3538

Delta R.T. 0.02 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

Instrument :

BNA_G

ClientSampleId :

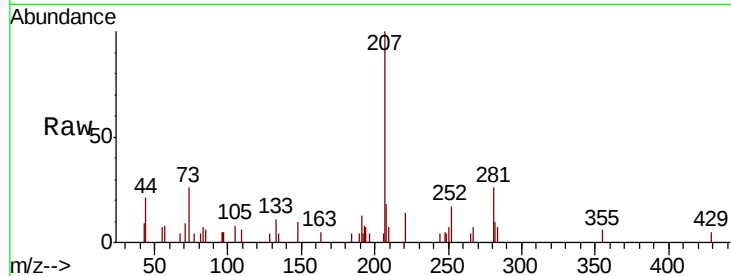
Tot Ion:252 Resp: 2064

Ion Ratio Lower Upper

252 100

253 0.0 17.4 26.2#

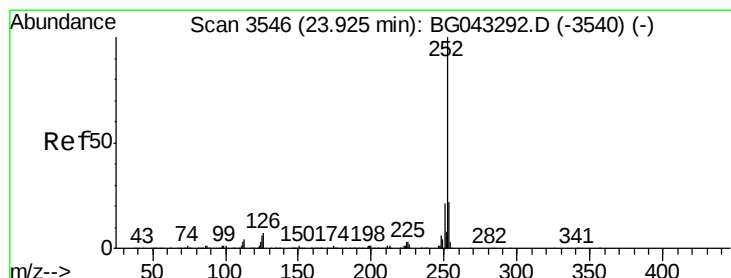
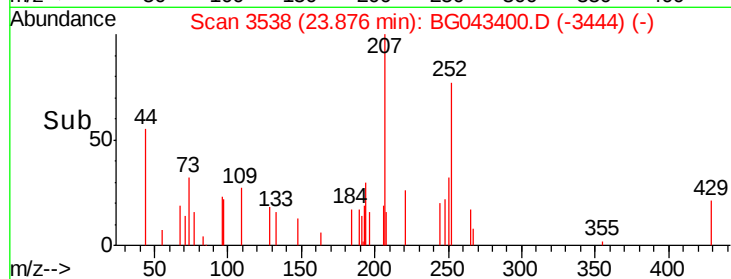
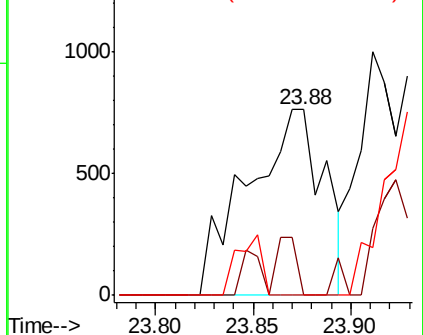
125 0.0 5.0 7.6#



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



#89

Benzo(k)fluoranthene

Concen: 18.661 ng

RT: 23.98 min Scan# 3555

Delta R.T. 0.05 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

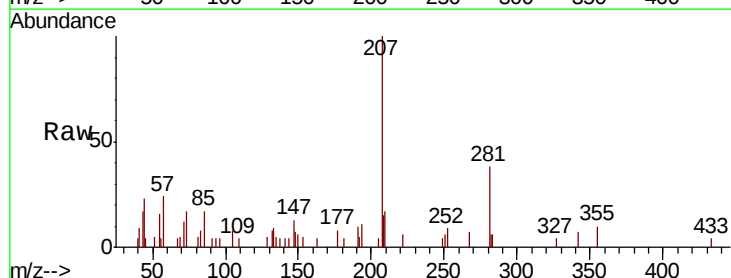
Tgt Ion:252 Resp: 133

Ion Ratio Lower Upper

252 100

253 0.0 17.6 26.4#

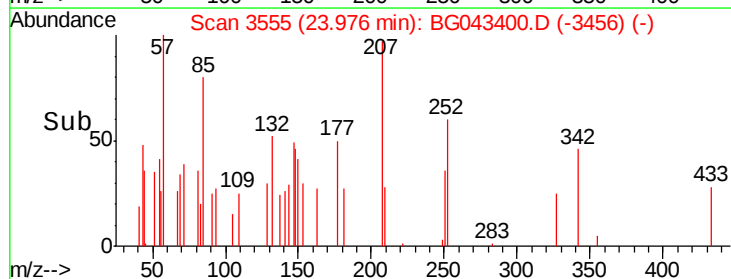
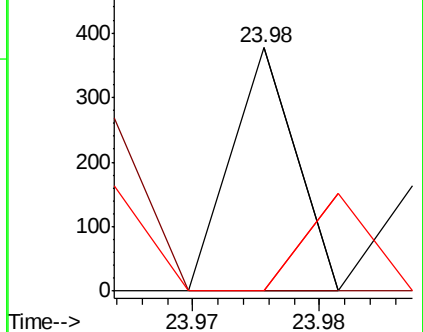
125 0.0 4.5 6.7#

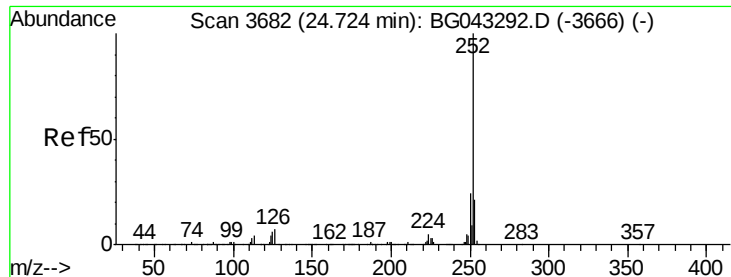


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 59.315 ng

RT: 24.76 min Scan# 3688

Delta R.T. 0.03 min

Lab File: BG043400.D

Acq: 30 Oct 2019 14:04

Instrument :

BNA_G

ClientSampleId :

Tot Ion: 252 Resp: 401

Ion Ratio Lower Upper

252 100

253 0.0 17.2 25.8#

125 0.0 5.0 7.6#

