

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG081219\
 Data File : BG042183.D
 Acq On : 13 Aug 2019 16:33
 Operator : HP/JU
 Sample : K4215-15
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ETOC8

Quant Time: Aug 14 05:03:07 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_G\METHODS\SOM-EPA-BG080319MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Aug 14 02:56:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.02	152	78585	20.00	ng/ul	0.00
18) Naphthalene-d8	10.85	136	326132	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.69	164	222151	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.44	188	447605	20.00	ng/ul	0.00
77) Chrysene-d12	21.73	240	450008	20.00	ng/ul	0.00
85) Perylene-d12	25.01	264	553353	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.41	96	5370	2.99	ng/uL	0.00
5) Phenol-d5	7.18	99	122284	19.83	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.34	67	63708	18.47	ng/ul	0.00
9) 2-Chlorophenol-d4	7.55	132	117544	22.29	ng/ul	0.00
13) 4-Methylphenol-d8	8.73	113	106113	20.49	ng/ul	0.00
19) Nitrobenzene-d5	9.19	128	59561	24.26	ng/ul	0.00
22) 2-Nitrophenol-d4	9.92	143	75372	26.44	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.47	165	144891	25.18	ng/ul	0.00
29) 4-Chloroaniline-d4	10.98	131	137542	21.54	ng/ul	0.00
43) Dimethylphthalate-d6	14.09	166	439458	25.51	ng/ul	0.00
46) Acenaphthylene-d8	14.38	160	517907	26.31	ng/ul	0.00
51) 4-Nitrophenol-d4	14.89	143	41908	14.49	ng/ul	0.00
57) Fluorene-d10	15.68	176	394566	25.74	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.80	200	40373	14.06	ng/ul	0.00
70) Anthracene-d10	17.54	188	600078	27.94	ng/ul	0.00
78) Pyrene-d10	19.83	212	678118	27.00	ng/ul	0.00
89) Benzo(a)pyrene-d12	24.79	264	797227	27.58	ng/ul	0.02

Target Compounds

					Ovalue	
6) Phenol	7.21	94	16210	2.546	ng/ul	97
16) 4-Methylphenol	8.80	108	8328	1.510	ng/ul	97
28) Naphthalene	10.90	128	135649	8.136	ng/ul	97
30) 4-Chloroaniline	10.90	127	19203	2.992	ng/ul#	30
34) 2-Methylnaphthalene	12.51	142	58653	4.426	ng/ul	95
40) 1,1'-Biphenyl	13.52	154	23240	1.439	ng/ul	95
44) Dimethylphthalate	14.13	163	142785	8.347	ng/ul	98
47) Acenaphthylene	14.41	152	191977	9.664	ng/ul	99
49) Acenaphthene	14.75	153	138979	10.006	ng/ul	98
53) Dibenzofuran	15.09	168	241583	11.654	ng/ul	97
58) Fluorene	15.74	166	304218	18.220	ng/ul	98
60) 4-Nitroaniline	15.74	138	3750	1.134	ng/ul#	27
69) Phenanthrene	17.58	178	867162	35.388	ng/ul	99
71) Anthracene	17.58	178	867162	34.891	ng/ul	99
74) Carbazole	17.84	167	522201	25.366	ng/ul	99
76) Fluoranthene	19.50	202	3018389	106.609	ng/ul#	92
79) Pyrene	19.86	202	2668929	88.170	ng/ul#	92
82) Benzo(a)anthracene	21.71	228	1776607	56.940	ng/ul	92
84) Chrysene	21.71	228	1776607	61.007	ng/ul	95
87) Benzo(b)fluoranthene	23.98	252	2451923	70.608	ng/ul	96
88) Benzo(k)fluoranthene	23.98	252	2451923	73.436	ng/ul	96
90) Benzo(a)pyrene	24.86	252	1910533	57.736	ng/ul	94
91) Indeno(1,2,3-cd)pyrene	28.76	276	1381939	35.805	ng/ul	96

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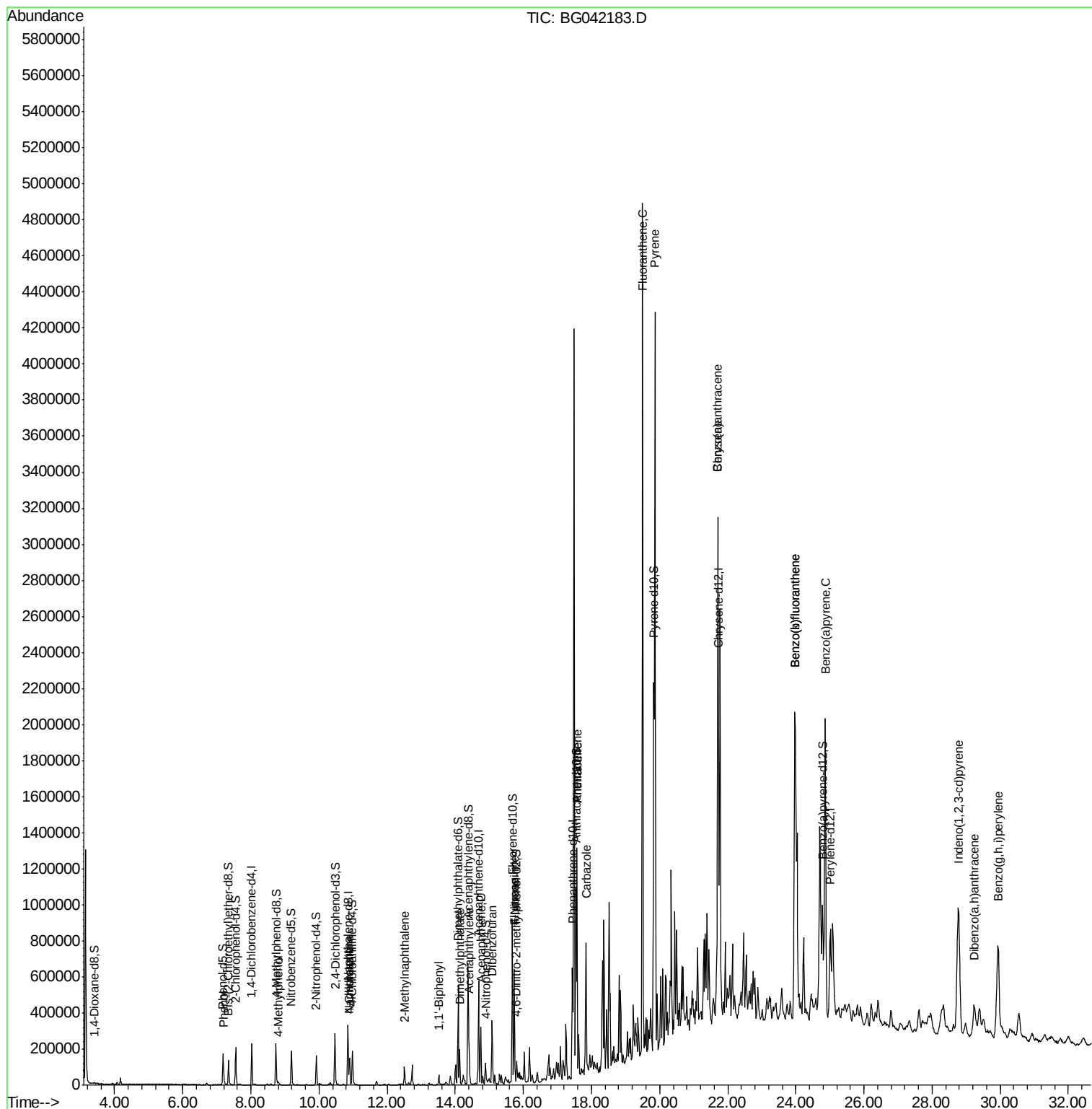
Quant Time: Aug 14 05:03:07 2019
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Quant Title : SVOA CALIBRATION
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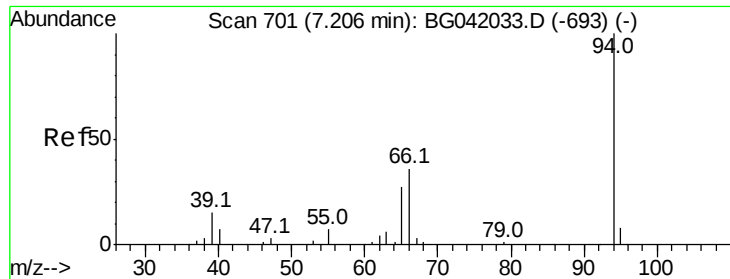
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
92) Dibenzo(a,h)anthracene	29.23	278	276382	8.779	ng/ul	94
93) Benzo(q,h,i)perylene	29.93	276	1168169	36.251	ng/ul	98

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

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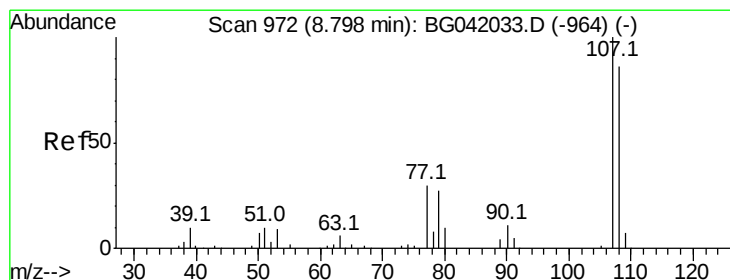
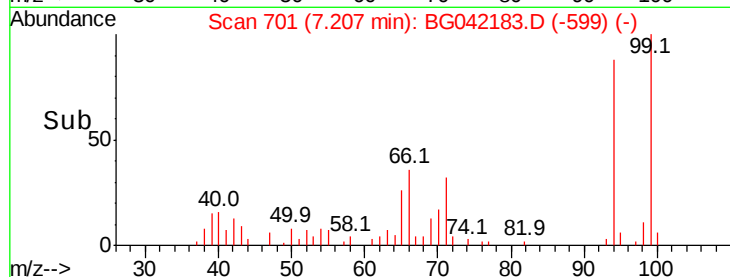
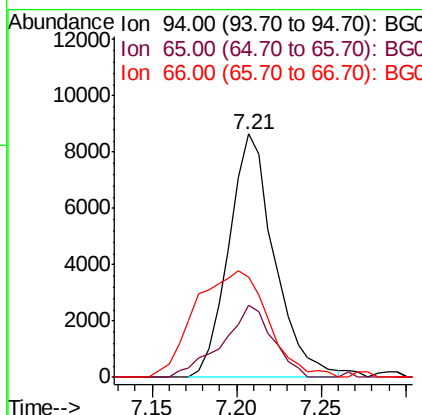
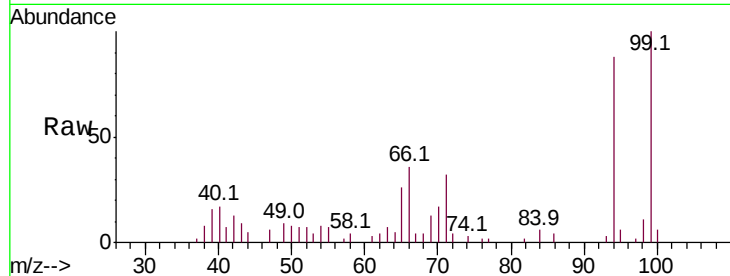
#6

Phenol

Concen: 2.546 ng/ul
 RT: 7.21 min Scan# 701
 Delta R.T. -0.00 min
 Lab File: BG042183.D
 Acq: 13 Aug 2019 16:33

Instrument :
 BNA_G
 ClientSampleId :
 ETOC8

Tot Ion: 94 Resp: 16210
 Ion Ratio Lower Upper
 94 100
 65 29.6 25.8 38.6
 66 41.4 31.8 47.8

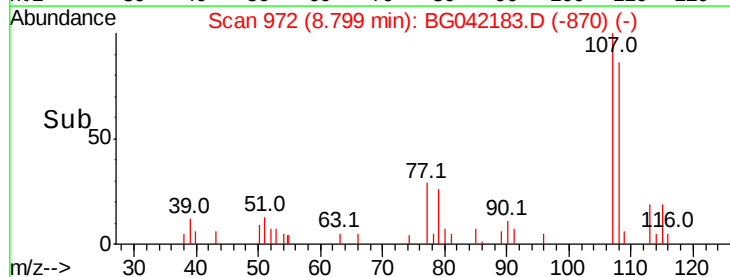
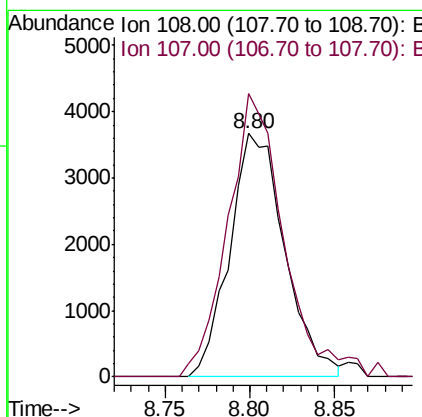
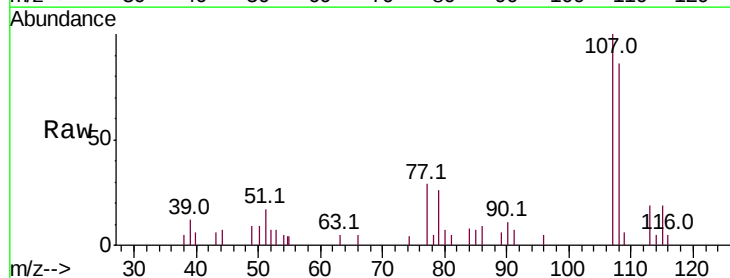


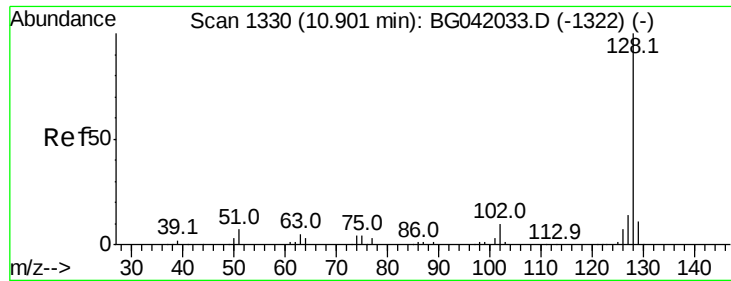
#16

4-Methylphenol

Concen: 1.510 ng/ul
 RT: 8.80 min Scan# 972
 Delta R.T. -0.00 min
 Lab File: BG042183.D
 Acq: 13 Aug 2019 16:33

Tgt Ion: 108 Resp: 8328
 Ion Ratio Lower Upper
 108 100
 107 116.4 96.2 144.2

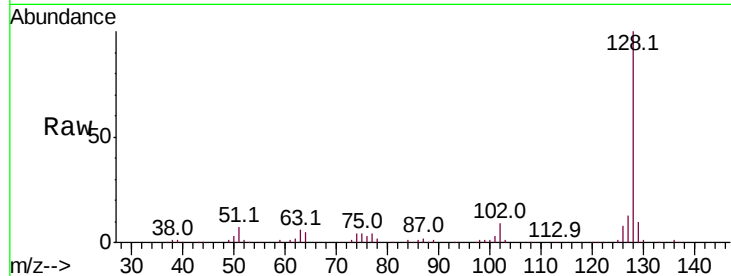




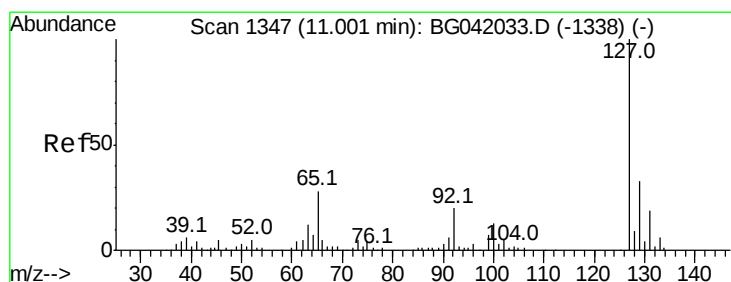
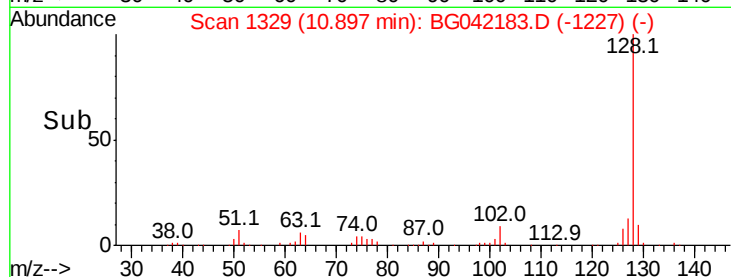
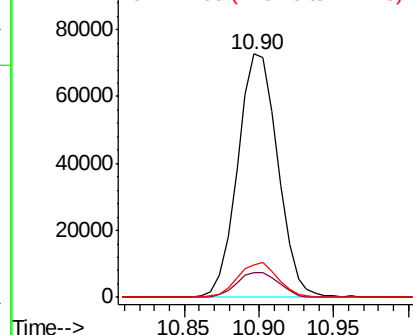
#28
Naphthalene
Concen: 8.136 ng/ul
RT: 10.90 min Scan# 1329
Delta R.T. -0.00 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Instrument :
BNA_G
ClientSampleId :
ETOC8

Tot Ion:128 Resp: 135649
Ion Ratio Lower Upper
128 100
129 10.2 9.5 14.3
127 13.5 11.4 17.0

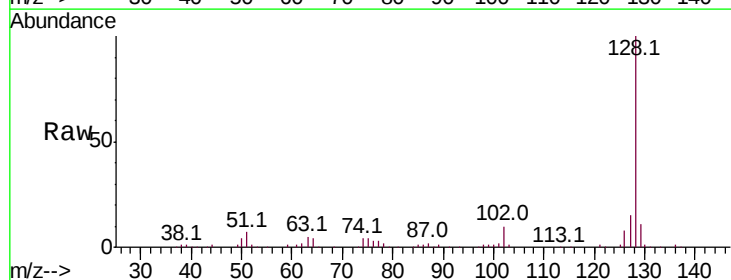


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

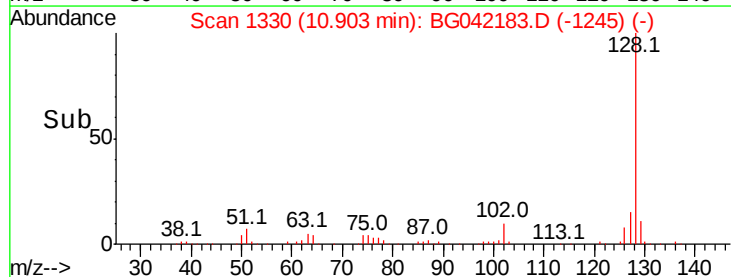
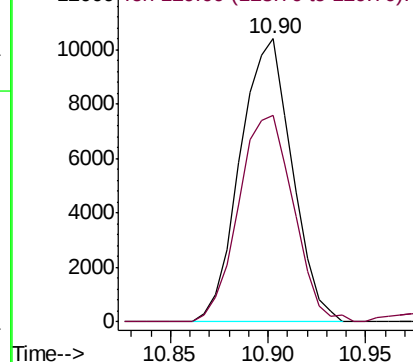


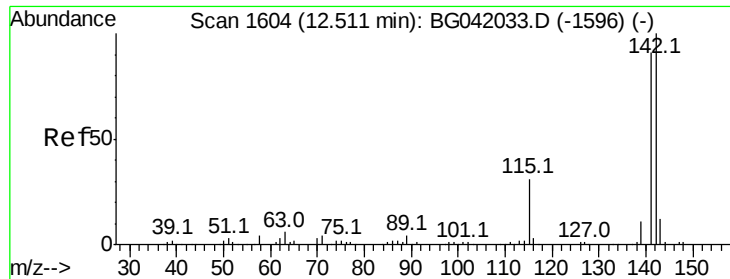
#30
4-Chloroaniline
Concen: 2.992 ng/ul
RT: 10.90 min Scan# 1330
Delta R.T. -0.10 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Tgt Ion:127 Resp: 19203
Ion Ratio Lower Upper
127 100
129 72.8 26.5 39.7#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E

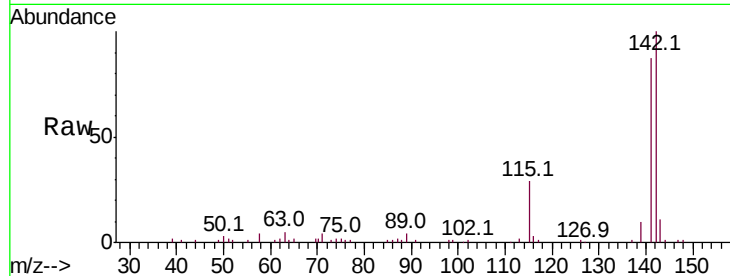




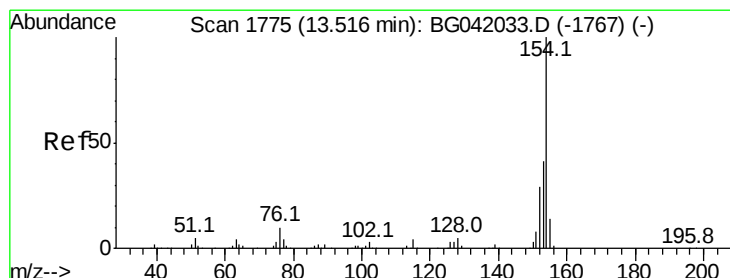
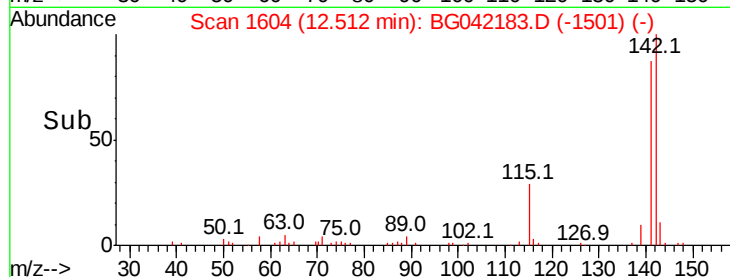
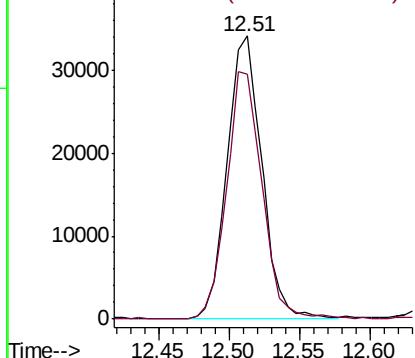
#34
 2-Methylnaphthalene
 Concen: 4.426 ng/ul
 RT: 12.51 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: BG042183.D
 Acq: 13 Aug 2019 16:33

Instrument :
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 ClientSampleId :
 ETOC8

Tot Ion:142 Resp: 58653
 Ion Ratio Lower Upper
 142 100
 141 86.7 72.9 109.3

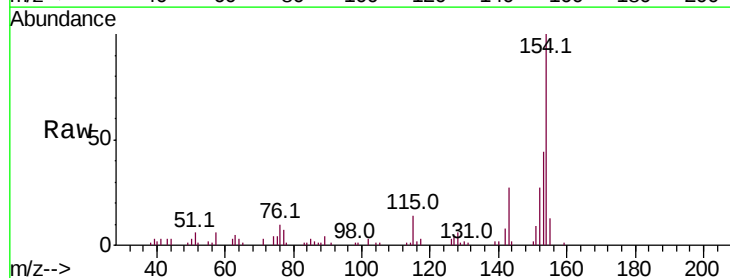


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E

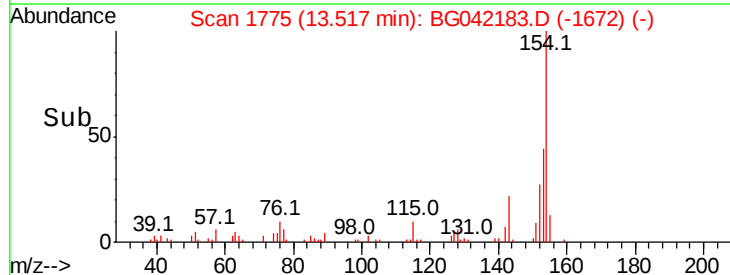
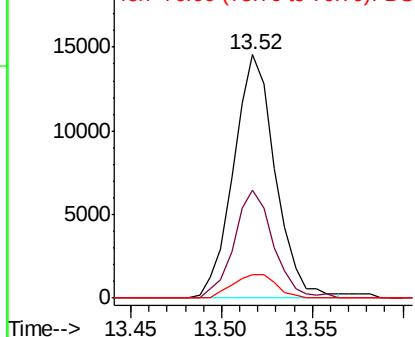


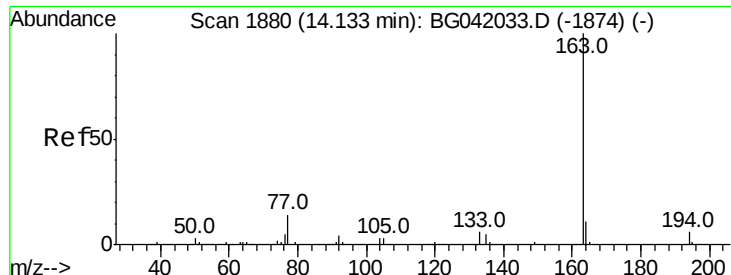
#40
 1,1'-Biphenyl
 Concen: 1.439 ng/ul
 RT: 13.52 min Scan# 1775
 Delta R.T. 0.00 min
 Lab File: BG042183.D
 Acq: 13 Aug 2019 16:33

Tgt Ion:154 Resp: 23240
 Ion Ratio Lower Upper
 154 100
 153 44.2 32.6 48.8
 76 9.8 8.6 13.0



Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BG





#44

Dimethylphthalate

Concen: 8.347 ng/ul

RT: 14.13 min Scan# 1880

Delta R.T. 0.00 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

Instrument :

BNA_G

ClientSampleId :

ETOC8

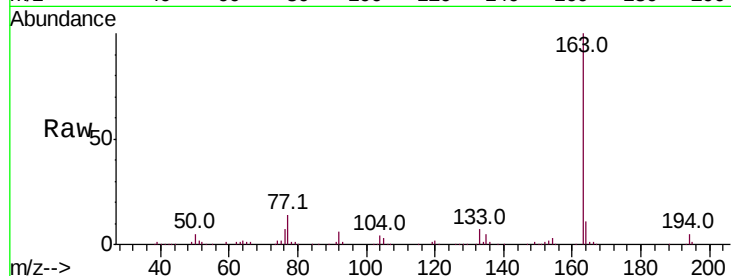
Tot Ion:163 Resp: 142785

Ion Ratio Lower Upper

163 100

194 5.4 4.2 6.2

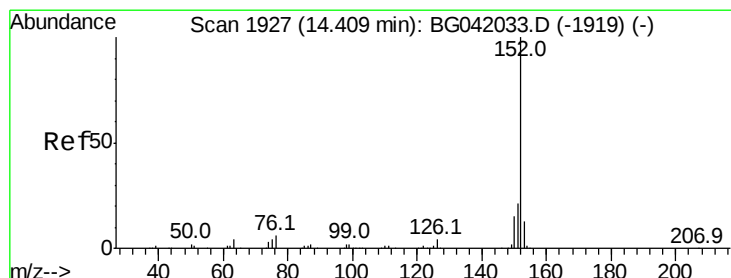
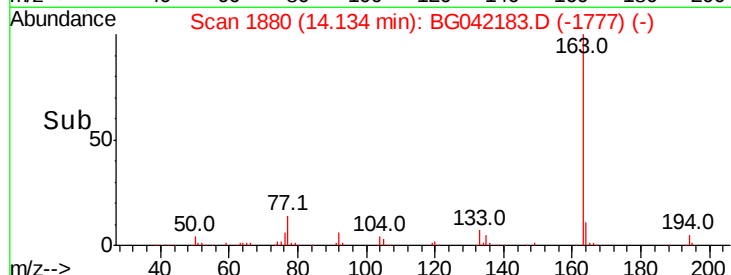
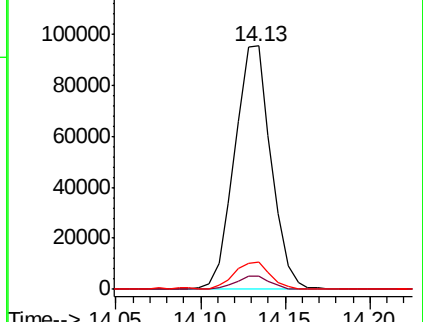
164 11.0 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#47

Acenaphthylene

Concen: 9.664 ng/ul

RT: 14.41 min Scan# 1927

Delta R.T. 0.00 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

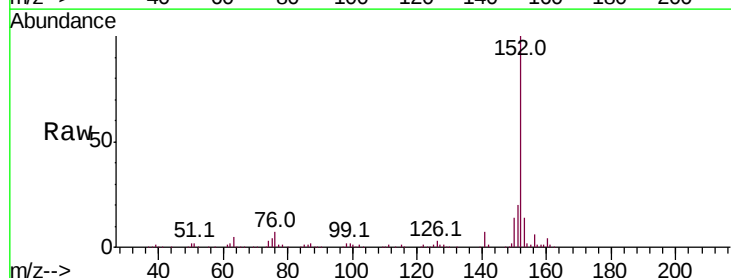
Tgt Ion:152 Resp: 191977

Ion Ratio Lower Upper

152 100

151 20.4 16.8 25.2

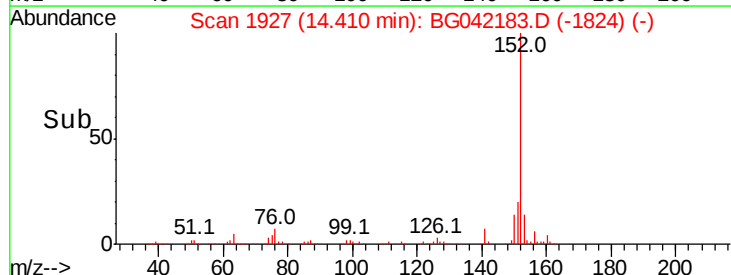
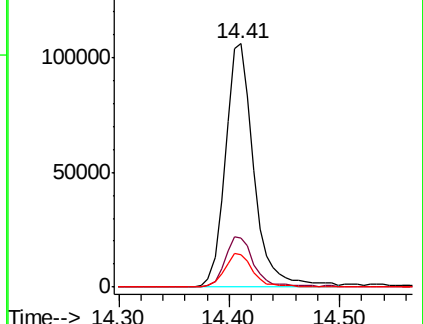
153 13.6 10.3 15.5

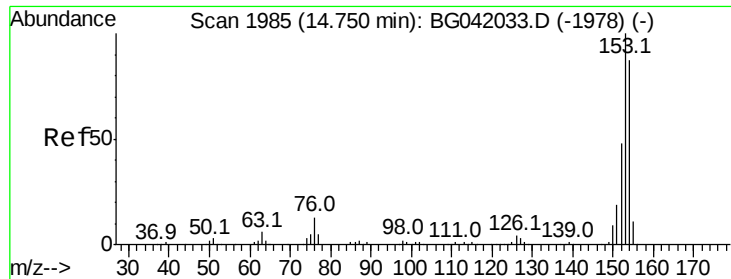


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#49

Acenaphthene

Concen: 10.006 ng/ul

RT: 14.75 min Scan# 1985

Delta R.T. 0.00 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

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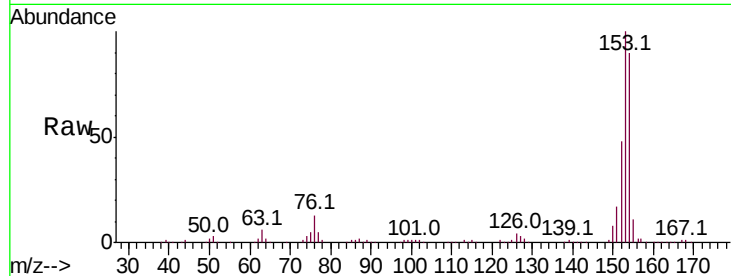
Tot Ion:153 Resp: 138979

Ion Ratio Lower Upper

153 100

152 48.0 37.8 56.8

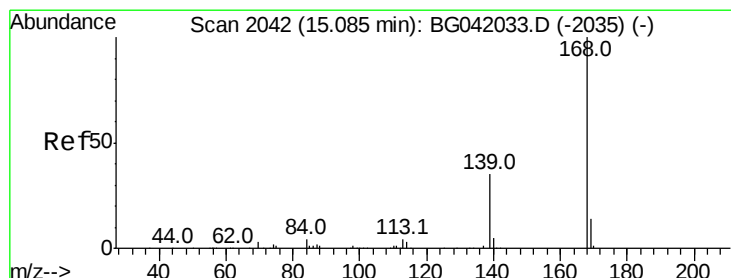
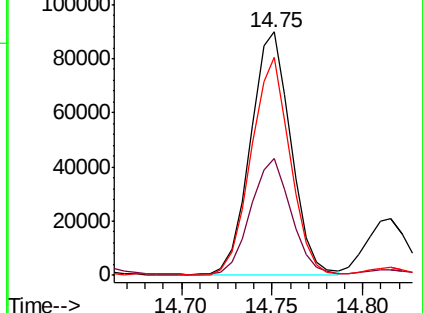
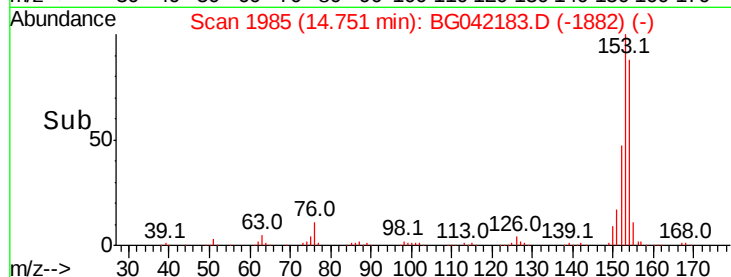
154 89.7 69.4 104.2



Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



#53

Dibenzofuran

Concen: 11.654 ng/ul

RT: 15.09 min Scan# 2042

Delta R.T. 0.00 min

Lab File: BG042183.D

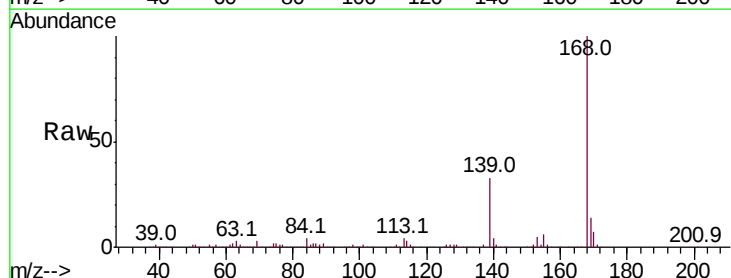
Acq: 13 Aug 2019 16:33

Tgt Ion:168 Resp: 241583

Ion Ratio Lower Upper

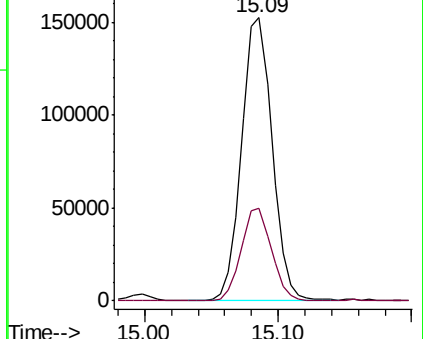
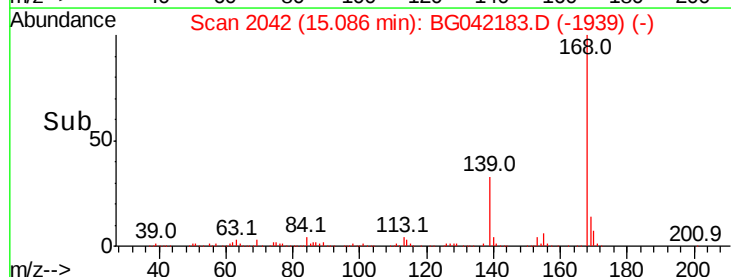
168 100

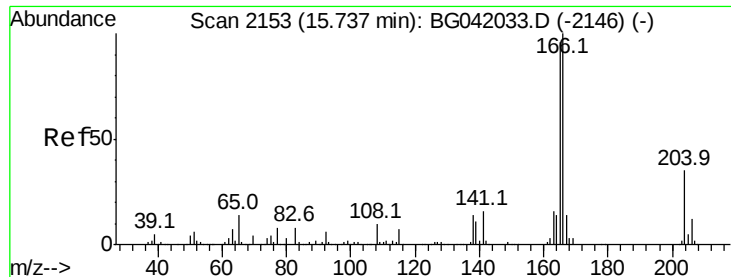
139 32.6 27.3 40.9



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E





#58

Fluorene

Concen: 18.220 ng/ul

RT: 15.74 min Scan# 2153

Delta R.T. 0.00 min

Lab File: BG042183.D

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ClientSampleId :

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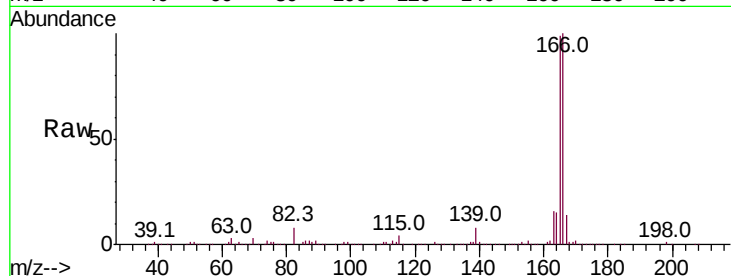
Tot Ion:166 Resp: 304218

Ion Ratio Lower Upper

166 100

165 99.1 81.1 121.7

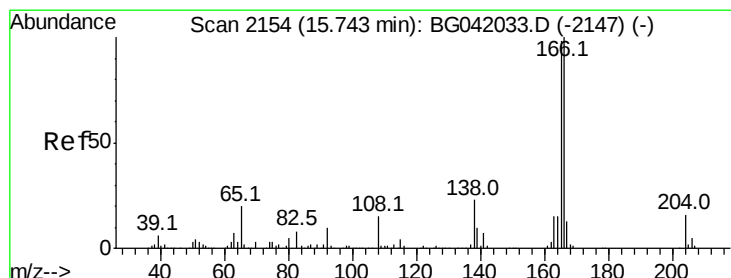
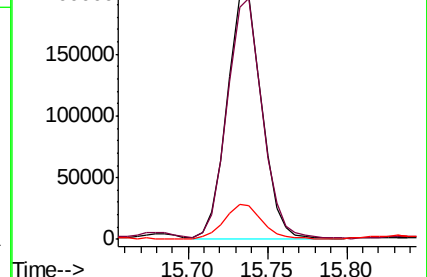
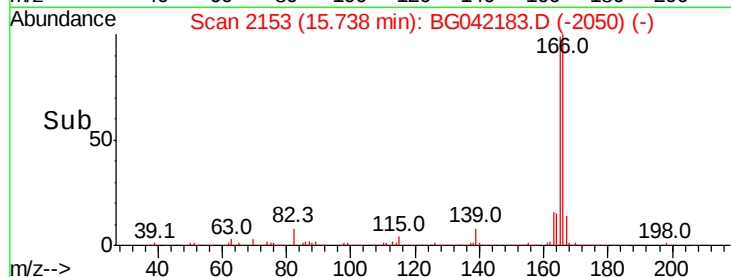
167 13.7 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

4-Nitroaniline

Concen: 1.134 ng/ul

RT: 15.74 min Scan# 2153

Delta R.T. -0.01 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

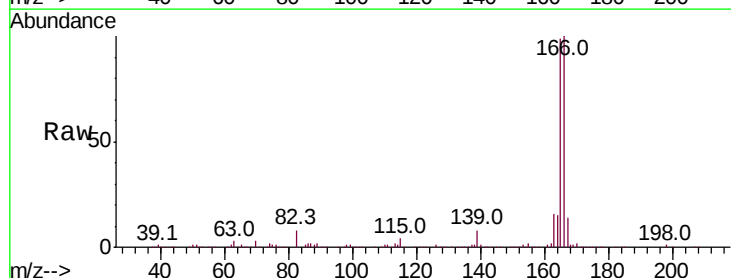
Tgt Ion:138 Resp: 3750

Ion Ratio Lower Upper

138 100

92 7.2 34.6 51.8#

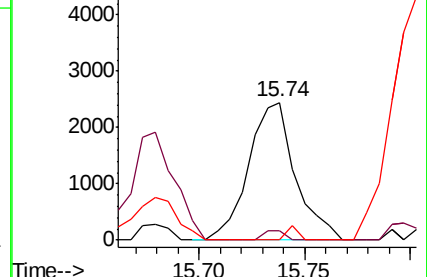
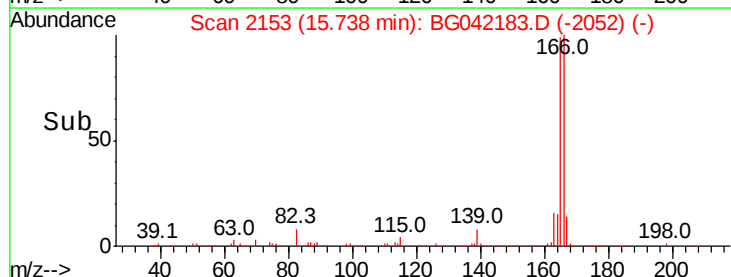
108 0.0 54.2 81.2#

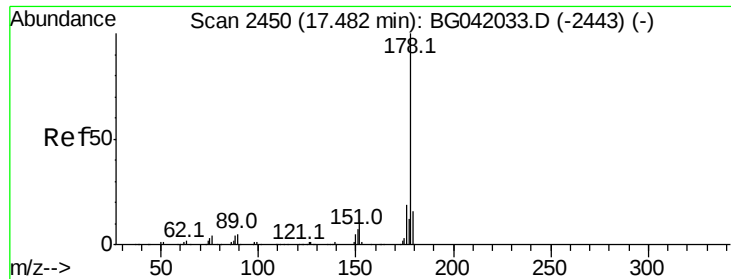


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BG

Ion 108.00 (107.70 to 108.70): E





#69

Phenanthrene

Concen: 35.388 ng/ul

RT: 17.58 min Scan# 2466

Delta R.T. 0.10 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

Instrument :

BNA_G

ClientSampleId :

ETOC8

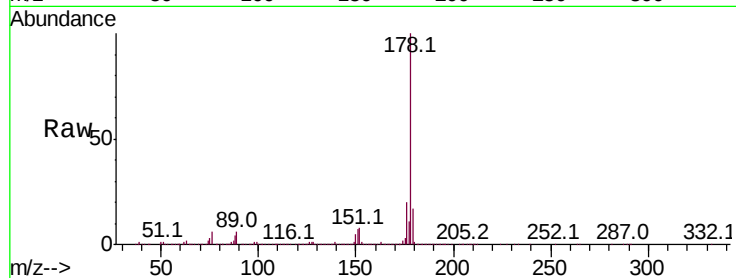
Tot Ion:178 Resp: 867162

Ion Ratio Lower Upper

178 100

179 16.6 12.8 19.2

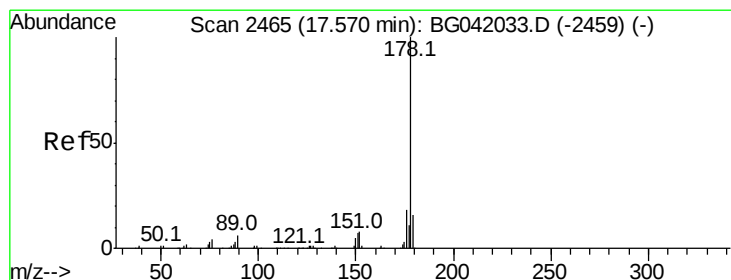
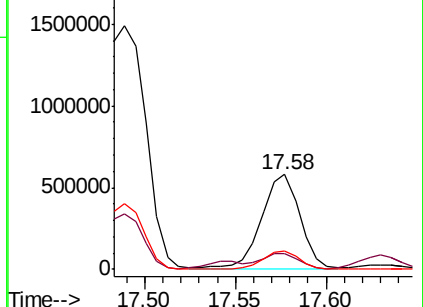
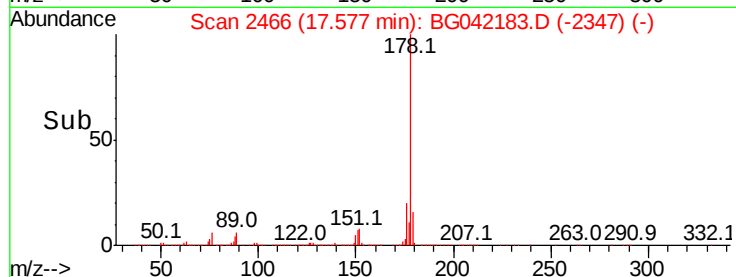
176 19.7 15.4 23.2



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



#71

Anthracene

Concen: 34.891 ng/ul

RT: 17.58 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

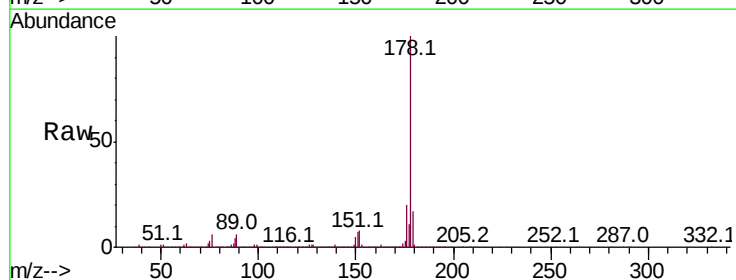
Tgt Ion:178 Resp: 867162

Ion Ratio Lower Upper

178 100

179 16.6 13.4 20.0

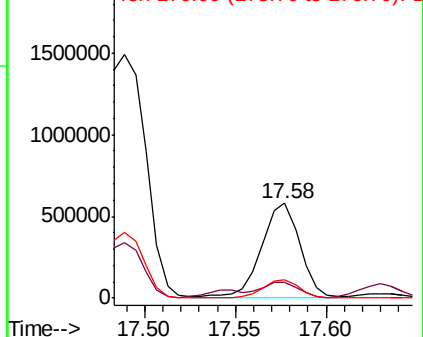
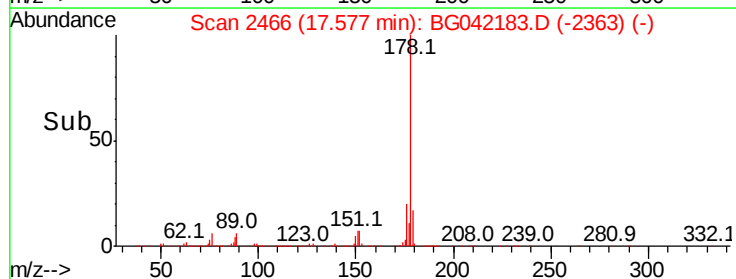
176 19.7 15.4 23.2

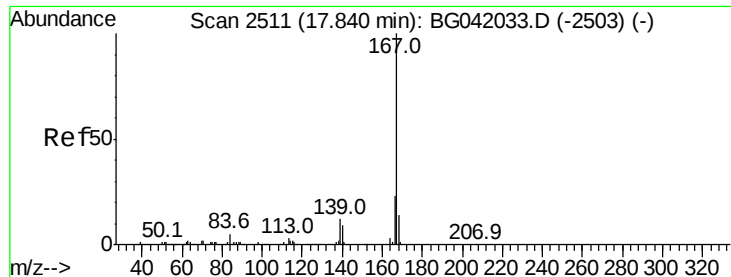


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E

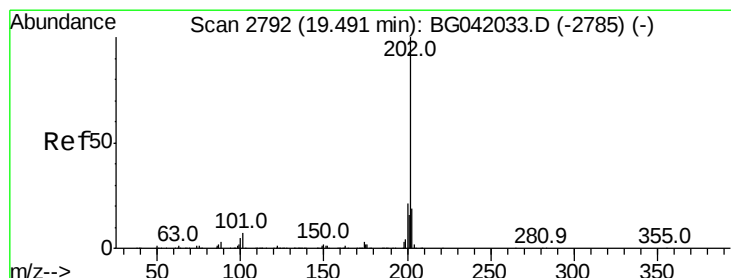
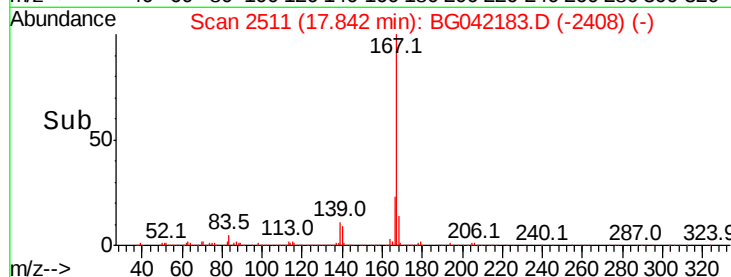
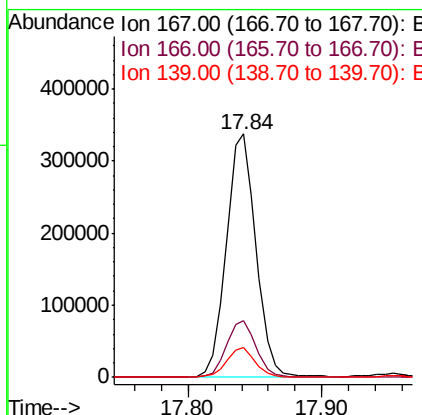
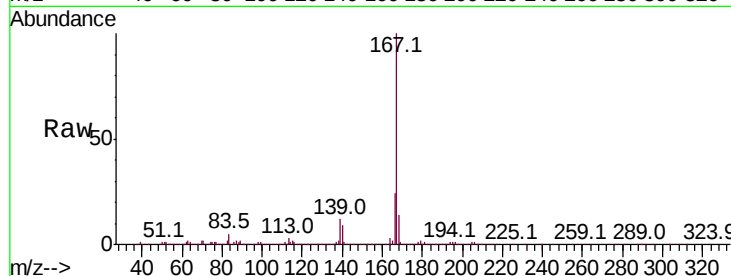




#74
 Carbazole
 Concen: 25.366 ng/ul
 RT: 17.84 min Scan# 2511
 Delta R.T. 0.00 min
 Lab File: BG042183.D
 Acq: 13 Aug 2019 16:33

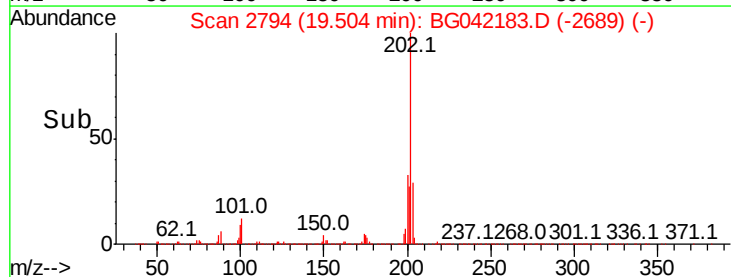
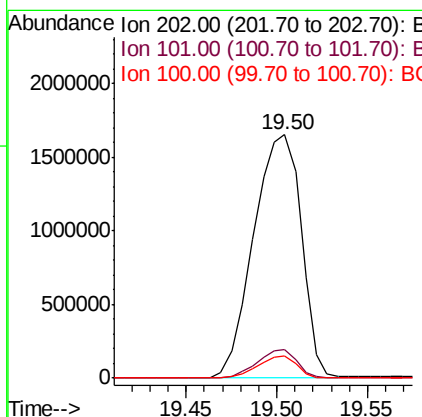
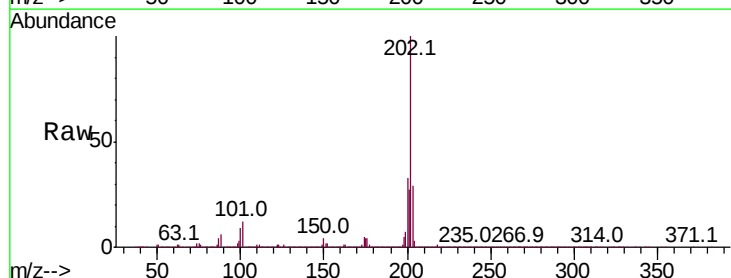
Instrument :
 BNA_G
 ClientSampleId :
 ETOC8

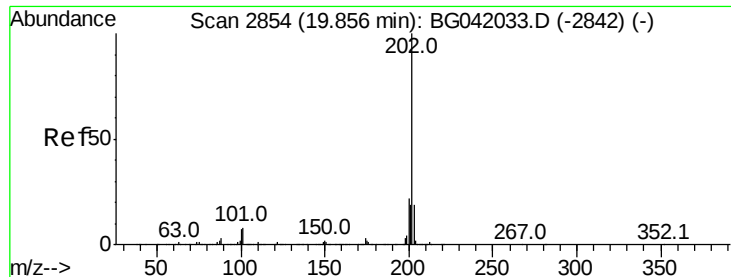
Tot Ion:167 Resp: 522201
 Ion Ratio Lower Upper
 167 100
 166 23.5 18.2 27.4
 139 12.2 9.6 14.4



#76
 Fluoranthene
 Concen: 106.609 ng/ul
 RT: 19.50 min Scan# 2794
 Delta R.T. 0.02 min
 Lab File: BG042183.D
 Acq: 13 Aug 2019 16:33

Tgt Ion:202 Resp: 3018389
 Ion Ratio Lower Upper
 202 100
 101 11.6 6.7 10.1#
 100 9.2 5.3 7.9#

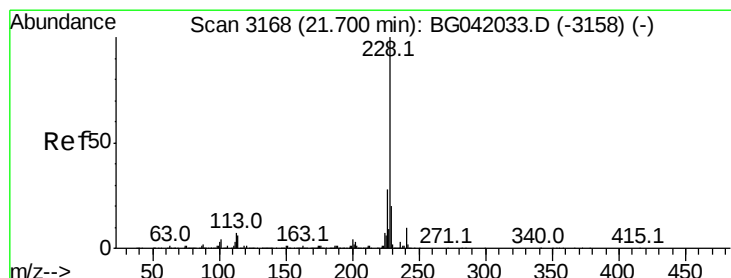
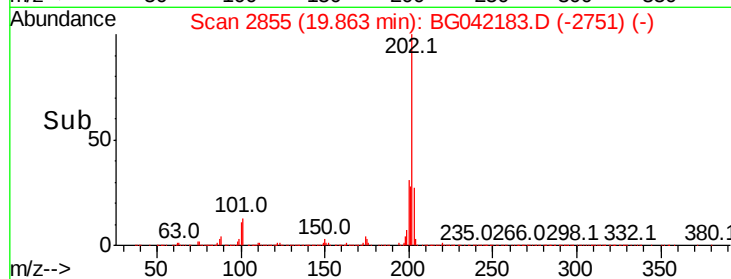
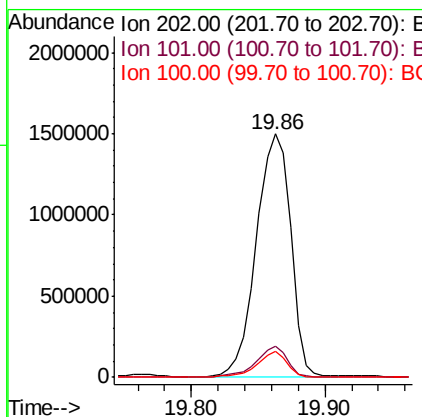
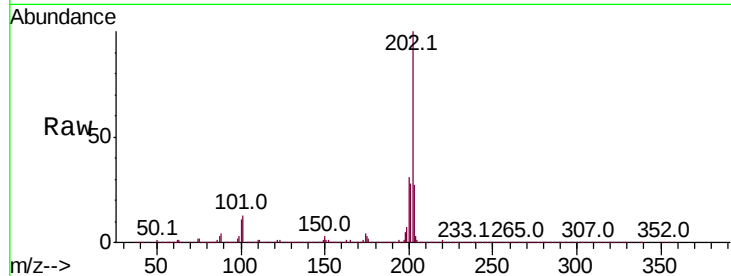




#79
Pvrene
Concen: 88.170 ng/ul
RT: 19.86 min Scan# 2855
Delta R.T. 0.01 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

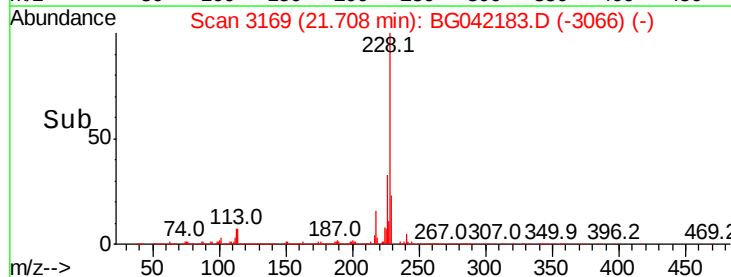
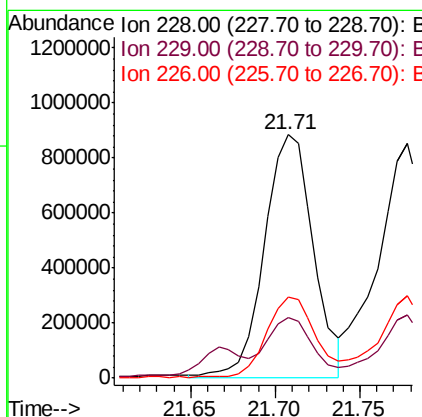
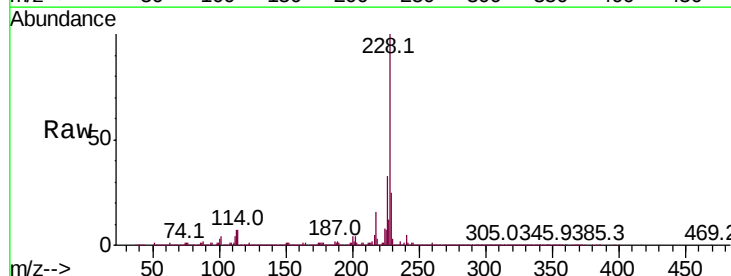
Instrument :
BNA_G
ClientSampleId :
ETOC8

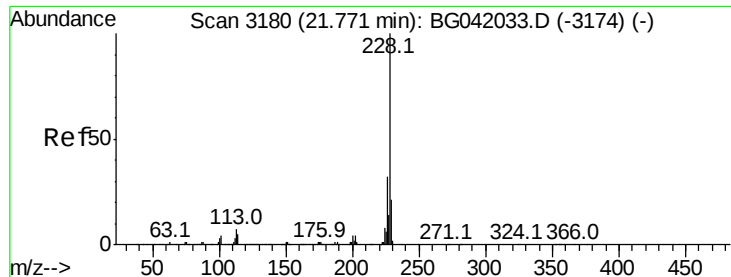
Tot Ion:202 Resp: 2668929
Ion Ratio Lower Upper
202 100
101 12.8 7.6 11.4#
100 10.8 6.5 9.7#



#82
Benzo(a)anthracene
Concen: 56.940 ng/ul
RT: 21.71 min Scan# 3169
Delta R.T. 0.00 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Tgt Ion:228 Resp: 1776607
Ion Ratio Lower Upper
228 100
229 24.8 17.0 25.6
226 33.4 23.3 34.9





#84

Chrysene

Concen: 61.007 ng/ul

RT: 21.71 min Scan# 3169

Delta R.T. -0.06 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

Instrument :

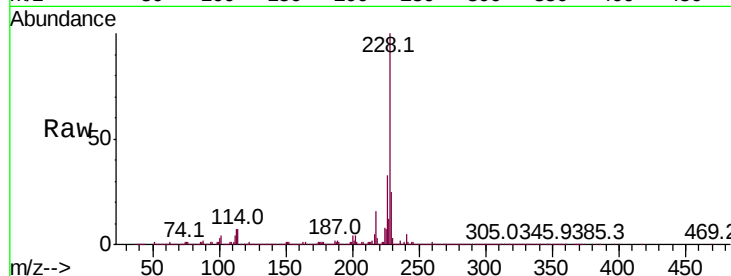
BNA_G

ClientSampleId :

ETOC8

Tot Ion:228 Resp: 1776607

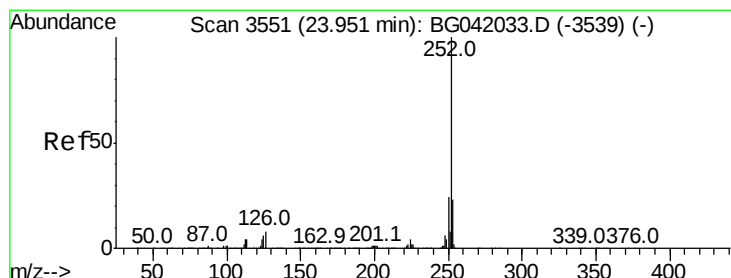
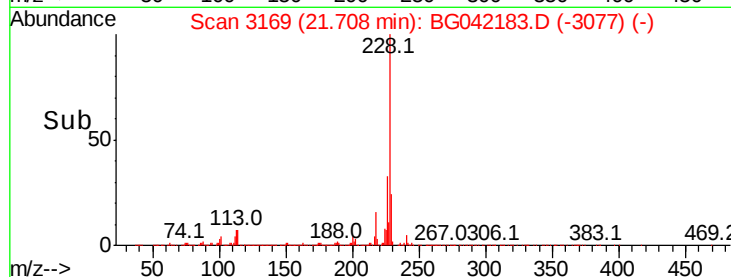
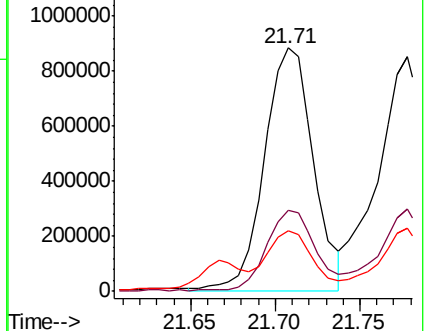
Ion	Ratio	Lower	Upper
228	100		
226	33.4	25.7	38.5
229	24.8	16.6	24.8



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



#87

Benzo(b)fluoranthene

Concen: 70.608 ng/ul

RT: 23.98 min Scan# 3555

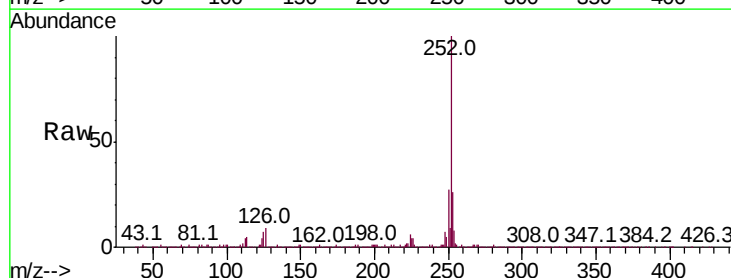
Delta R.T. 0.03 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

Tgt Ion:252 Resp: 2451923

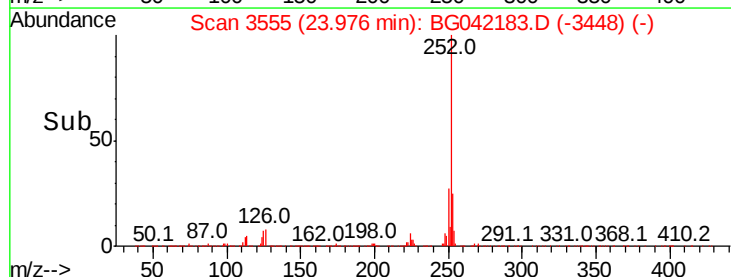
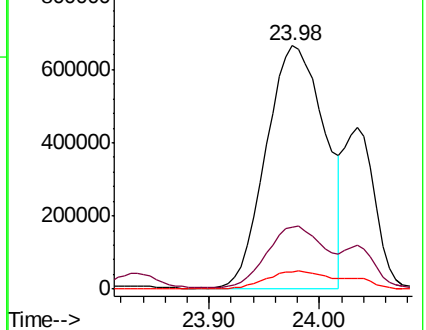
Ion	Ratio	Lower	Upper
252	100		
253	25.7	18.4	27.6
125	7.1	5.8	8.8

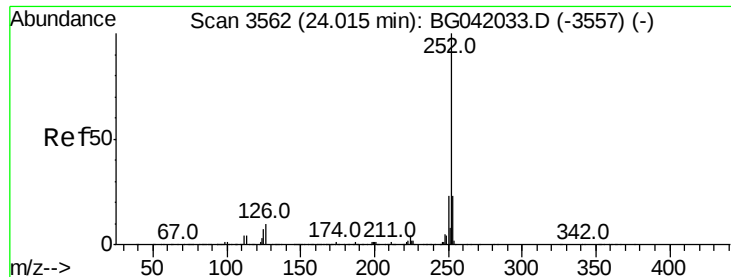


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 73.436 ng/ul

RT: 23.98 min Scan# 3555

Delta R.T. -0.04 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

Instrument :

BNA_G

ClientSampleId :

ETOC8

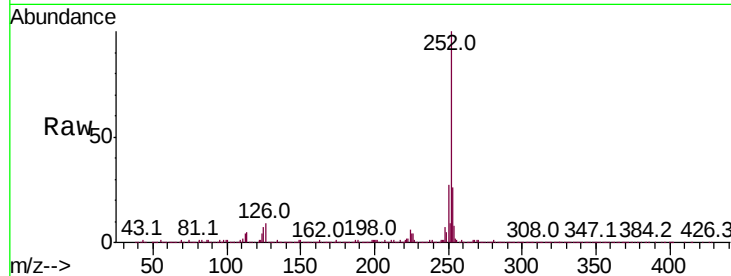
Tot Ion:252 Resp: 2451923

Ion Ratio Lower Upper

252 100

253 25.7 18.3 27.5

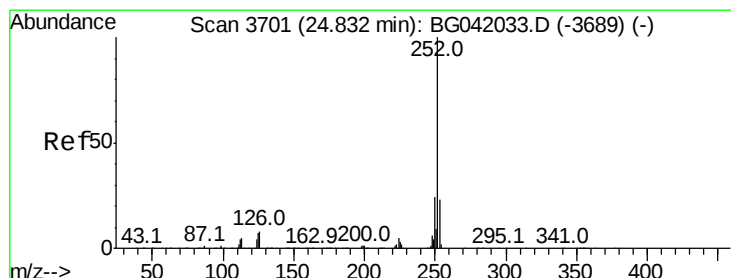
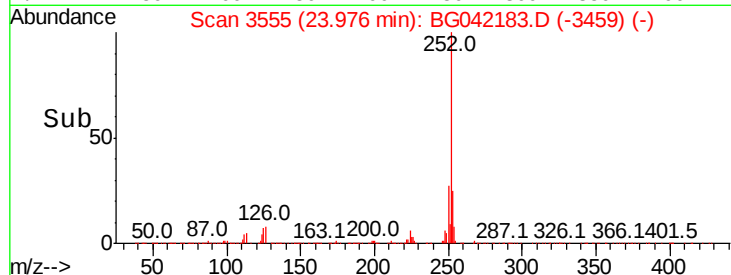
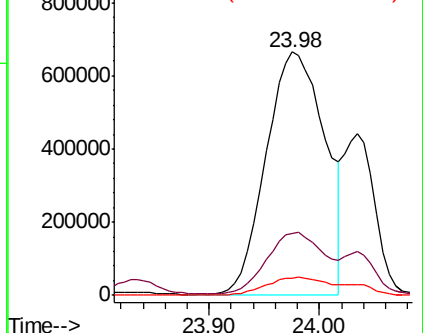
125 7.1 5.5 8.3



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: 57.736 ng/ul

RT: 24.86 min Scan# 3706

Delta R.T. 0.03 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

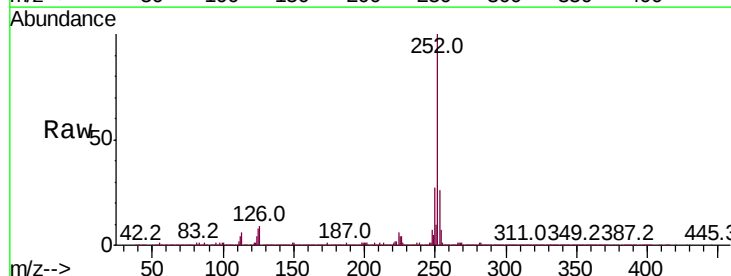
Tgt Ion:252 Resp: 1910533

Ion Ratio Lower Upper

252 100

253 26.4 18.3 27.5

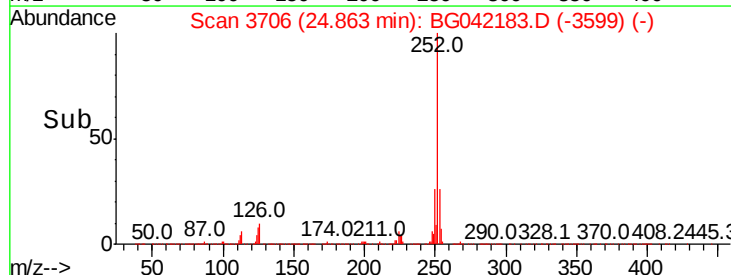
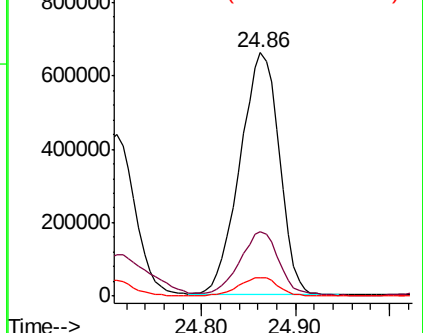
125 7.8 6.5 9.7

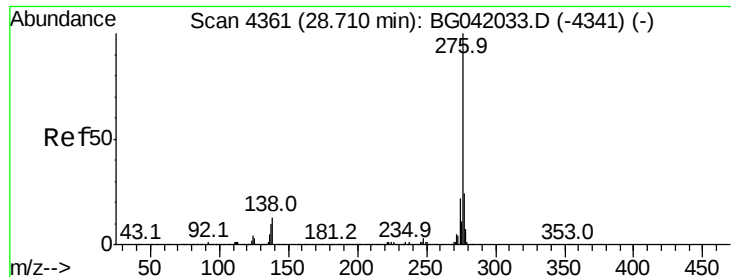


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



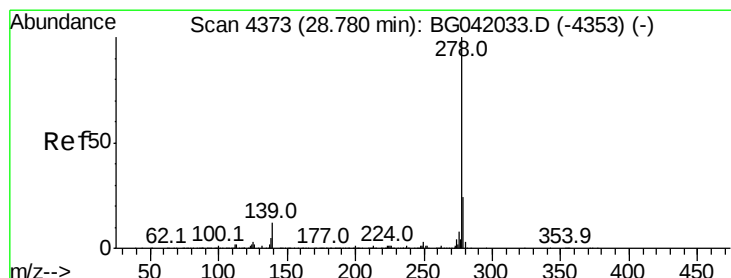
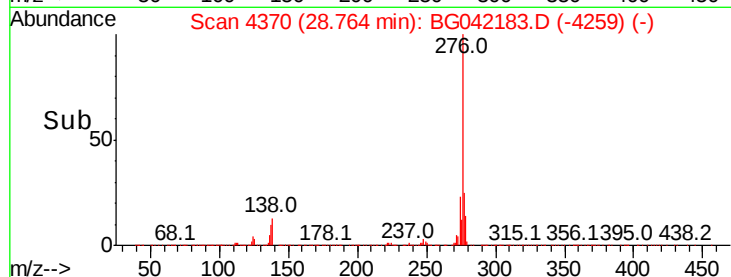
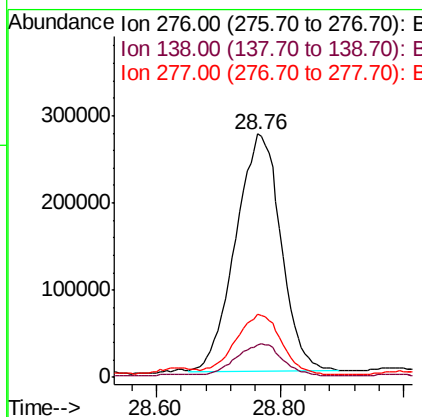
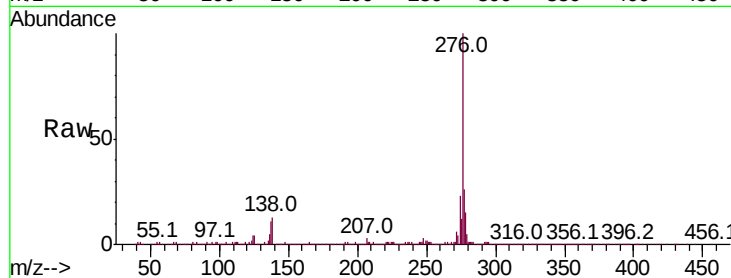


#91

Indeno(1,2,3-cd)pyrene
Concen: 35.805 ng/ul
RT: 28.76 min Scan# 4370
Delta R.T. 0.05 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Instrument :
BNA_G
ClientSampleId :
ETOC8

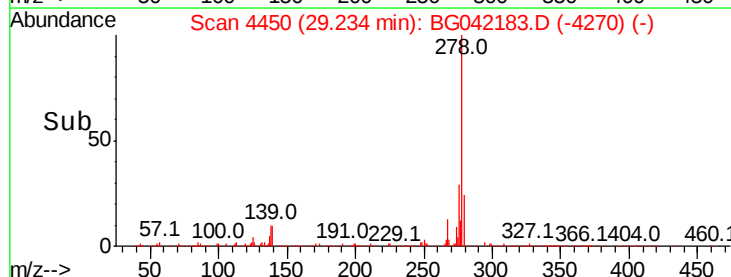
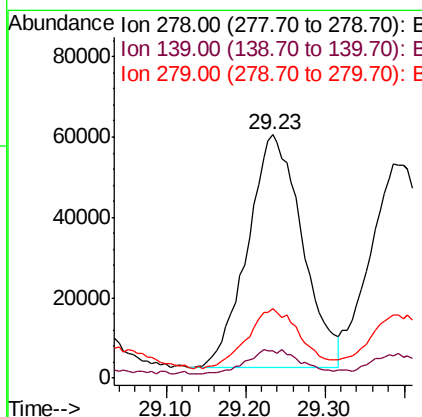
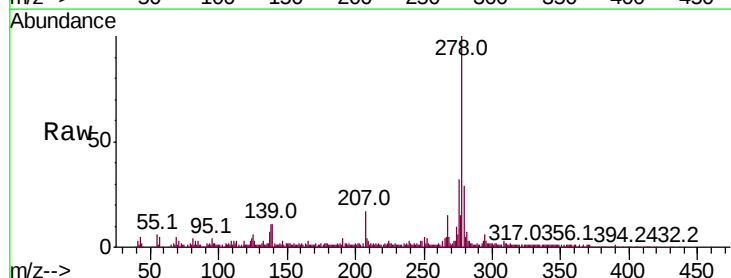
Tot Ion:276 Resp: 1381939
Ion Ratio Lower Upper
276 100
138 13.3 12.0 18.0
277 26.2 19.2 28.8

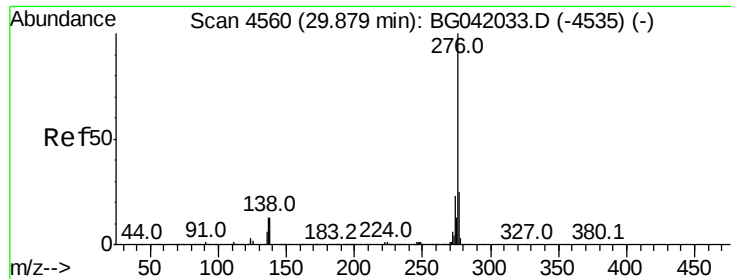


#92

Dibenzo(a,h)anthracene
Concen: 8.779 ng/ul
RT: 29.23 min Scan# 4450
Delta R.T. 0.46 min
Lab File: BG042183.D
Acq: 13 Aug 2019 16:33

Tgt Ion:278 Resp: 276382
Ion Ratio Lower Upper
278 100
139 11.4 9.4 14.0
279 28.5 19.2 28.8





#93

Benzo(a,h,i)perylene

Concen: 36.251 ng/ul

RT: 29.93 min Scan# 4569

Delta R.T. 0.06 min

Lab File: BG042183.D

Acq: 13 Aug 2019 16:33

Instrument :

BNA_G

ClientSampleId :

ETOC8

Tot Ion:276 Resp: 1168169

Ion Ratio Lower Upper

276 100

138 13.7 12.6 18.8

277 24.5 19.2 28.8

