

Data Path : Z:\HPCHEM1\BNA_G\DATA\BG072715\
 Data File : BG018153.D
 Acq On : 28 Jul 2015 19:11
 Operator : TP/UM
 Sample : G3030-20
 Misc :
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C02K6

Quant Time: Jul 29 02:02:02 2015
 Quant Method : Z:\HPCHEM1\BNA_G\METHODS\SOM02.2-EPA-BG072315.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jul 29 01:59:28 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.51	152	47000	20.00	ng/ul	0.00
18) Naphthalene-d8	10.29	136	218476	20.00	ng/ul	0.00
36) Acenaphthene-d10	14.18	164	131696	20.00	ng/ul	0.00
62) Phenanthrene-d10	16.94	188	263932	20.00	ng/ul	0.00
78) Chrysene-d12	21.15	240	291525	20.00	ng/ul	0.00
86) Perylene-d12	23.35	264	304309	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.02	96	2726	3.63	ng/uL	0.00
5) Phenol-d5	6.70	99	73700	20.33	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	6.85	67	34561	19.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.04	132	70902	22.05	ng/ul	0.00
13) 4-Methylphenol-d8	8.23	113	61615	19.16	ng/ul	0.00
19) Nitrobenzene-d5	8.66	128	37325	21.61	ng/ul	0.00
22) 2-Nitrophenol-d4	9.38	143	41634	22.83	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	9.92	165	69099	21.77	ng/ul	0.00
29) 4-Chloroaniline-d4	10.44	131	60237	16.31	ng/ul	0.00
44) Dimethylphthalate-d6	13.60	166	197045	21.31	ng/ul	0.00
47) Acenaphthylene-d8	13.87	160	231040	20.34	ng/ul	0.00
52) 4-Nitrophenol-d4	14.40	143	29922	15.38	ng/ul	0.00
58) Fluorene-d10	15.18	176	160136	18.74	ng/ul	0.00
63) 4,6-Dinitro-2-methylphenol	15.31	200	16353	9.69	ng/ul	0.00
71) Anthracene-d10	17.04	188	223935	19.59	ng/ul	0.00
79) Pyrene-d10	19.35	212	230103	17.23	ng/ul	0.00
90) Benzo(a)pyrene-d12	23.21	264	251107	17.29	ng/ul	0.00

Target Compounds

						Qvalue
17) Hexachloroethane	8.61	117	1318	1.08	ng/ul#	9
28) Naphthalene	10.34	128	76399	7.46	ng/ul	98
30) 4-Chloroaniline	10.34	127	9849	2.59	ng/ul#	6
34) 2-Methylnaphthalene	11.97	142	18268	2.36	ng/ul	99
35) 1-Methylnaphthalene	12.19	142	13831	1.83	ng/ul#	97
45) Dimethylphthalate	13.65	163	81897	8.80	ng/ul	99
50) Acenaphthene	14.25	153	71046	9.10	ng/ul	98
54) Dibenzofuran	14.58	168	59101	5.32	ng/ul	97
59) Fluorene	15.24	166	77898	8.15	ng/ul	100
70) Phenanthrene	16.98	178	1028458	77.55	ng/ul	97
72) Anthracene	17.07	178	285206	21.18	ng/ul	98
75) Carbazole	17.35	167	117118	10.04	ng/ul	99
76) Di-n-butylphthalate	17.92	149	42152	2.74	ng/ul	96
77) Fluoranthene	19.02	202	1479989	104.77	ng/ul	99
80) Pyrene	19.39	202	1302034	77.99	ng/ul	99
81) Butylbenzylphthalate	20.30	149	11532	1.69	ng/ul	96
83) Benzo(a)anthracene	21.14	228	765731	49.66	ng/ul	97
84) Bis(2-ethylhexyl)phthalate	21.08	149	135020	13.79	ng/ul	98
85) Chrysene	21.14	228	773136	53.25	ng/ul	98
88) Benzo(b)fluoranthene	22.69	252	869619	52.16	ng/ul	99
89) Benzo(k)fluoranthene	22.69	252	869619	53.89	ng/ul	98
91) Benzo(a)pyrene	23.25	252	597349	37.00	ng/ul	97
92) Indeno(1,2,3-cd)pyrene	25.56	276	365003	19.59	ng/ul#	92

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ALS Vial : 42 Sample Multiplier: 1

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ClientSampleId :
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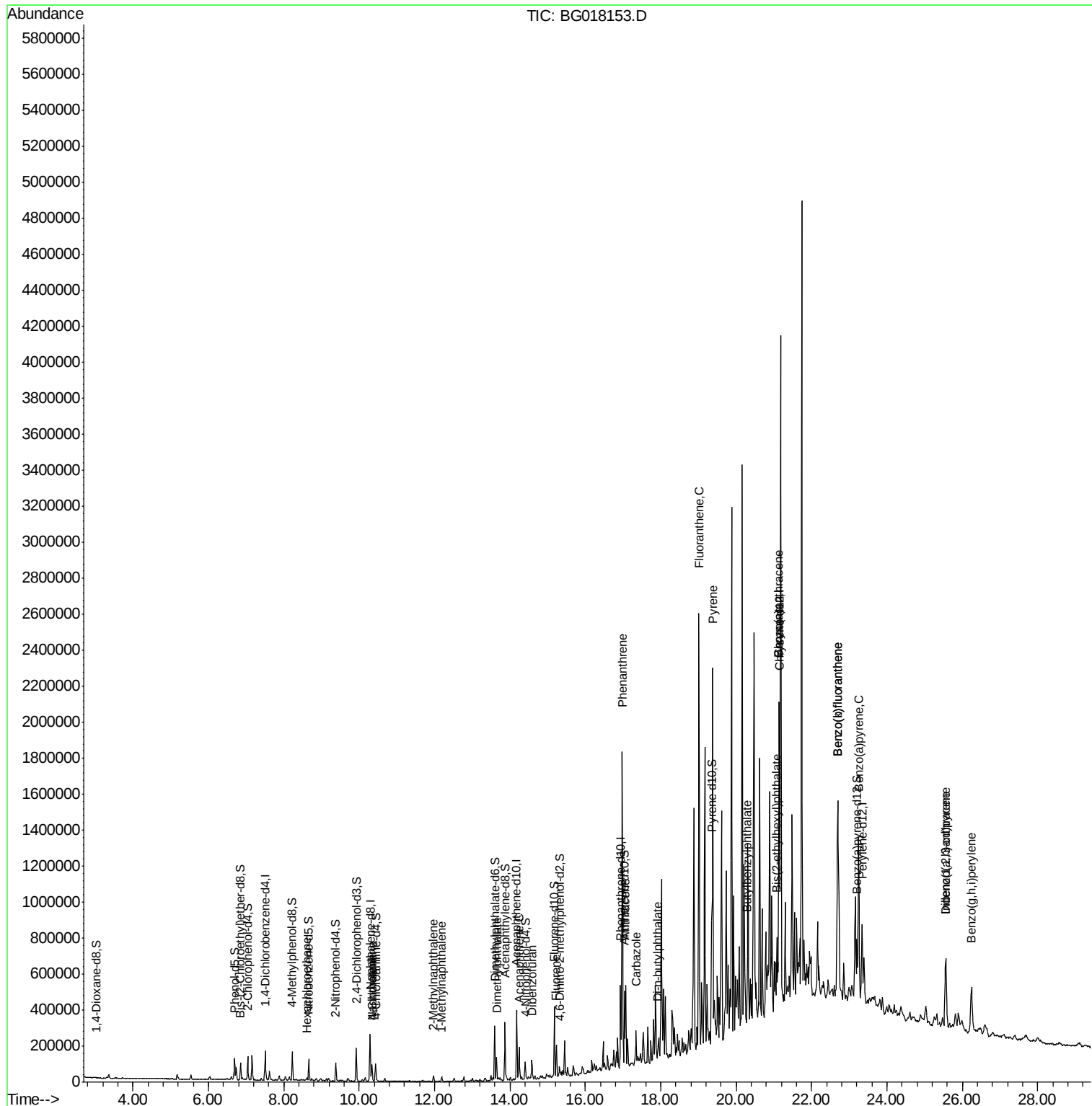
Quant Time: Jul 29 02:02:02 2015
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Quant Title : SVOA CALIBRATION
QLast Update : Wed Jul 29 01:59:28 2015
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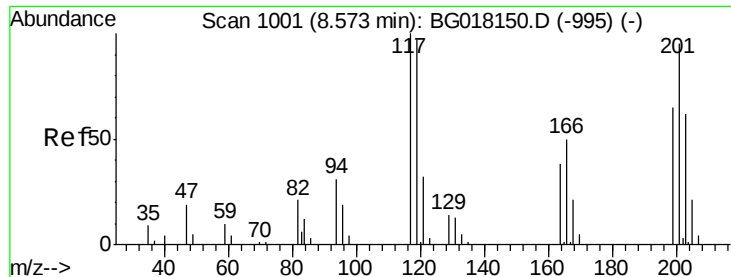
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) Dibenzo(a,h)anthracene	25.56	278	111174	6.99	ng/ul#	92
94) Benzo(g,h,i)perylene	26.24	276	325455	21.14	ng/ul	98

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

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#17

Hexachloroethane

Concen: 1.08 ng/ul

RT: 8.61 min Scan# 1008

Delta R.T. 0.04 min

Lab File: BG018153.D

Acq: 28 Jul 2015 19:11

Instrument :

BNA_M

ClientSampleId :

C02K6

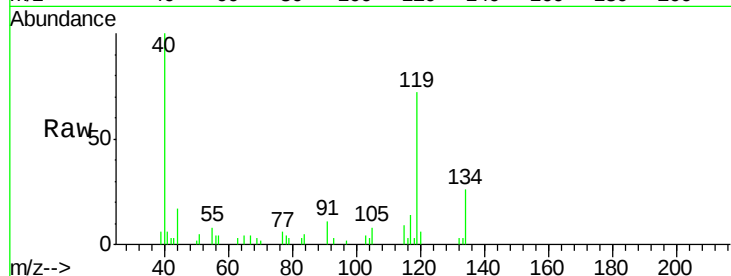
Tgt Ion:117 Resp: 1318

Ion Ratio Lower Upper

117 100

201 0.0 77.3 115.9#

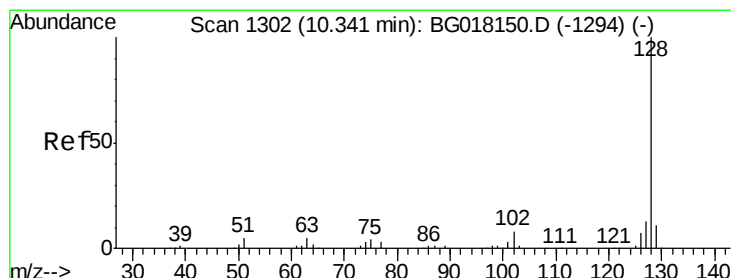
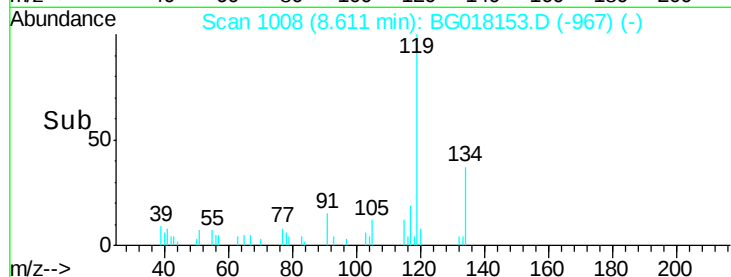
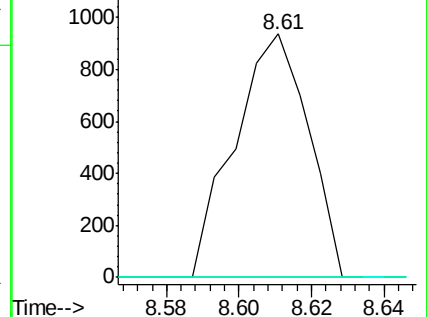
199 0.0 46.6 69.8#



Abundance Ion 117.00 (116.70 to 117.70): E

Ion 201.00 (200.70 to 201.70): E

Ion 199.00 (198.70 to 199.70): E



#28

Naphthalene

Concen: 7.46 ng/ul

RT: 10.34 min Scan# 1302

Delta R.T. -0.00 min

Lab File: BG018153.D

Acq: 28 Jul 2015 19:11

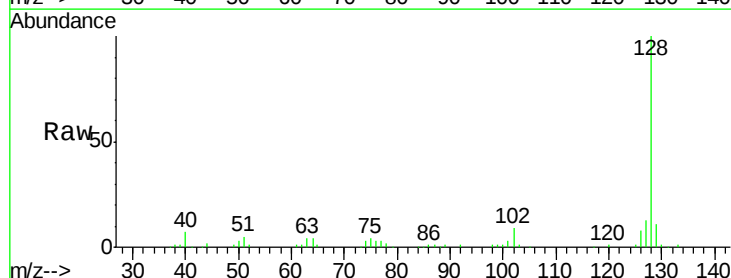
Tgt Ion:128 Resp: 76399

Ion Ratio Lower Upper

128 100

129 11.0 9.5 14.3

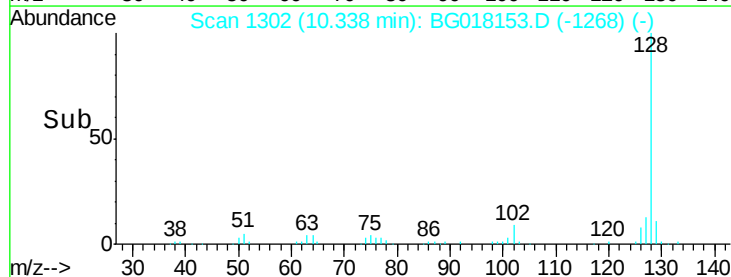
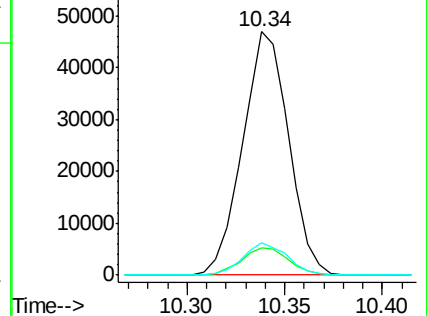
127 13.4 10.1 15.1

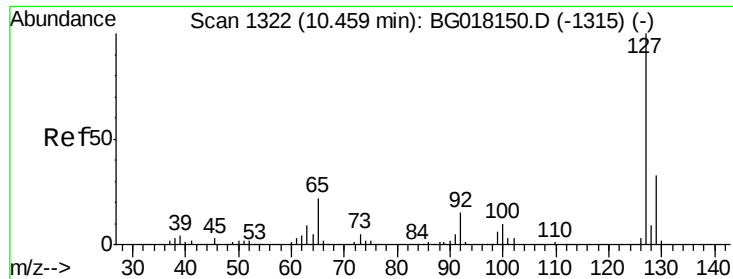


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

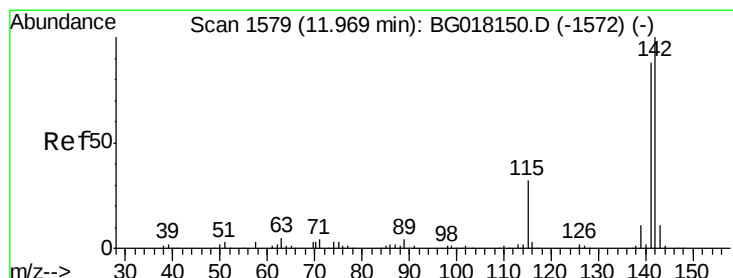
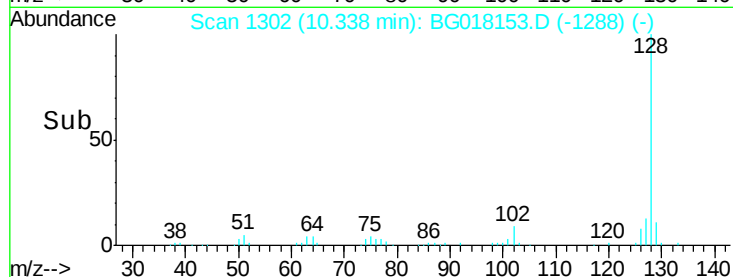
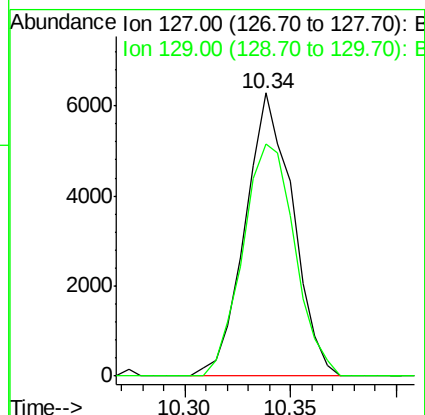
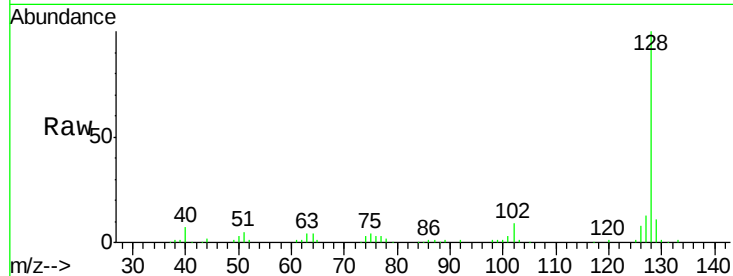




#30
4-Chloroaniline
Concen: 2.59 ng/ul
RT: 10.34 min Scan# 1302
Delta R.T. -0.12 min
Lab File: BG018153.D
Acq: 28 Jul 2015 19:11

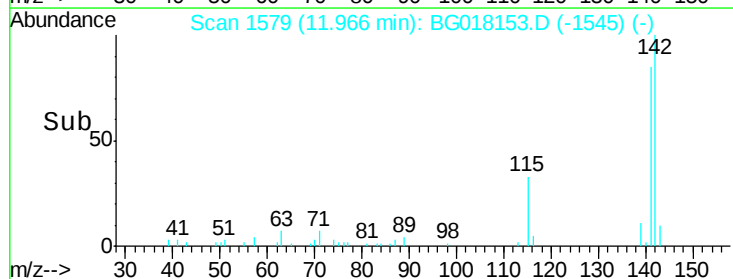
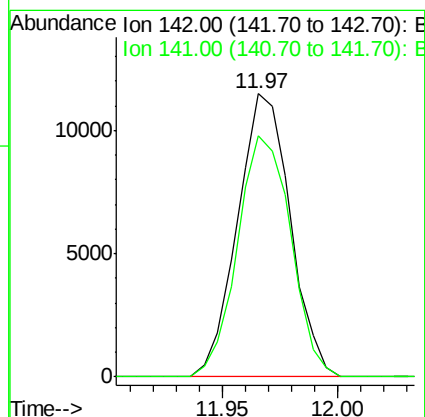
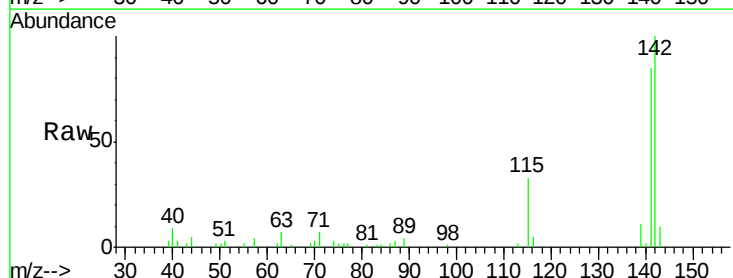
Instrument :
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ClientSampleId :
C02K6

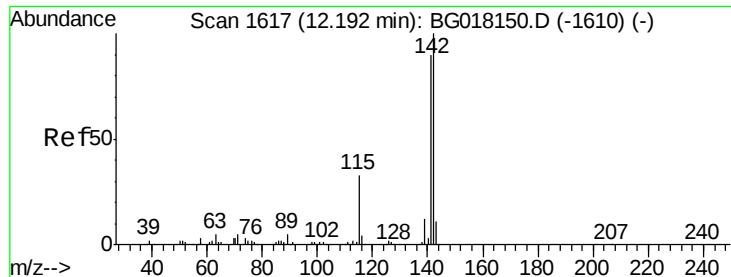
Tgt Ion:127 Resp: 9849
Ion Ratio Lower Upper
127 100
129 82.2 24.7 37.1#



#34
2-Methylnaphthalene
Concen: 2.36 ng/ul
RT: 11.97 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BG018153.D
Acq: 28 Jul 2015 19:11

Tgt Ion:142 Resp: 18268
Ion Ratio Lower Upper
142 100
141 85.4 69.4 104.0

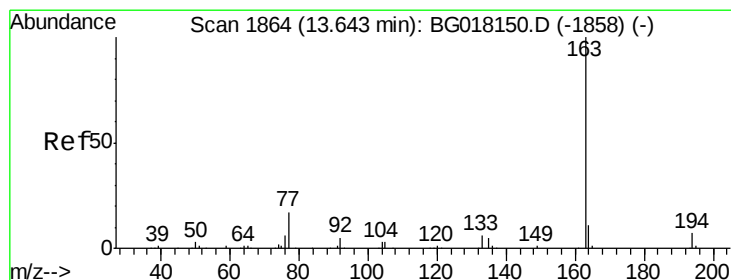
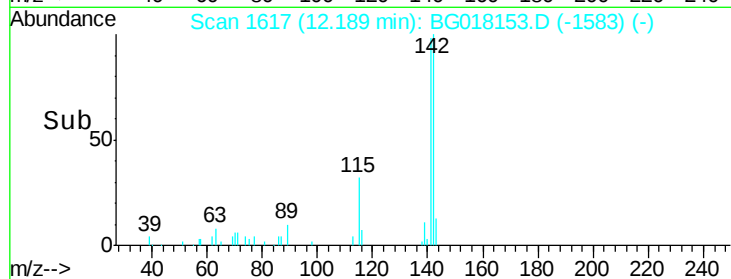
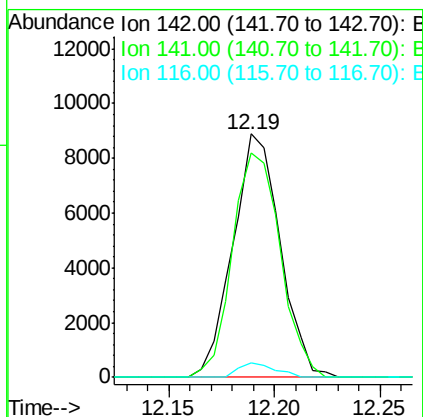
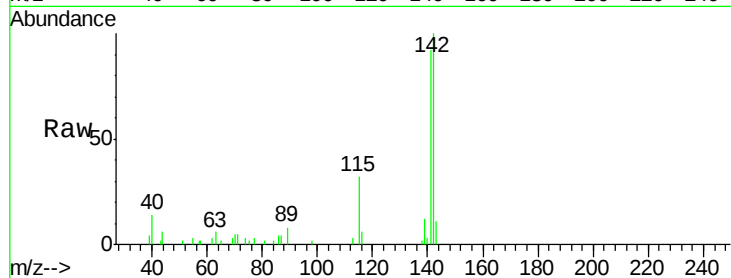




#35
 1-Methylnaphthalene
 Concen: 1.83 ng/ul
 RT: 12.19 min Scan# 1617
 Delta R.T. -0.00 min
 Lab File: BG018153.D
 Acq: 28 Jul 2015 19:11

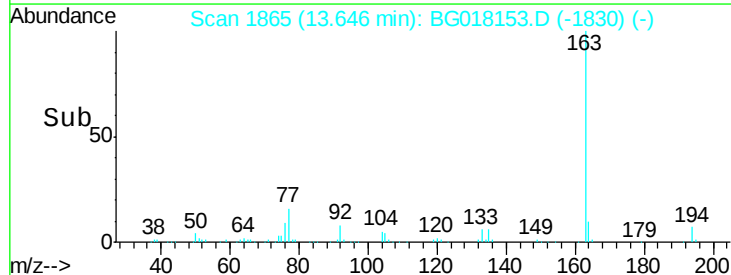
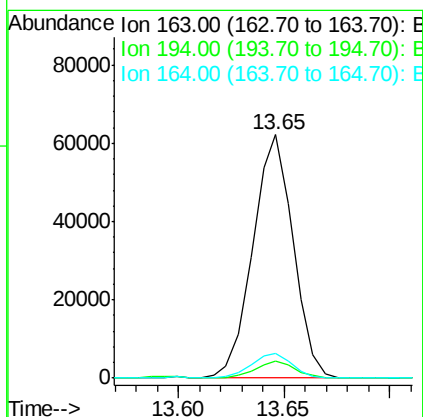
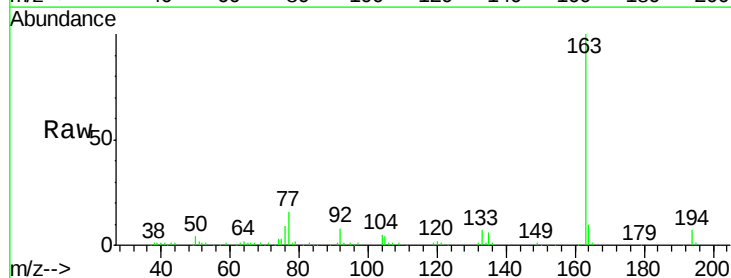
Instrument :
 BNA_M
 ClientSampleId :
 C02K6

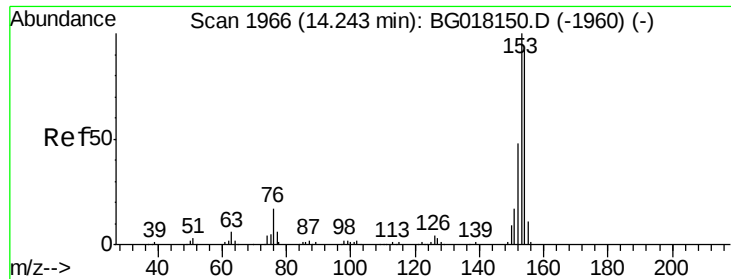
Tgt Ion:142 Resp: 13831
 Ion Ratio Lower Upper
 142 100
 141 92.0 71.8 107.6
 116 5.8 3.2 4.8#



#45
 Dimethylphthalate
 Concen: 8.80 ng/ul
 RT: 13.65 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: BG018153.D
 Acq: 28 Jul 2015 19:11

Tgt Ion:163 Resp: 81897
 Ion Ratio Lower Upper
 163 100
 194 6.9 5.4 8.2
 164 10.2 8.7 13.1





#50

Acenaphthene

Concen: 9.10 ng/ul

RT: 14.25 min Scan# 1967

Delta R.T. 0.00 min

Lab File: BG018153.D

Acq: 28 Jul 2015 19:11

Instrument :

BNA_M

ClientSampleId :

C02K6

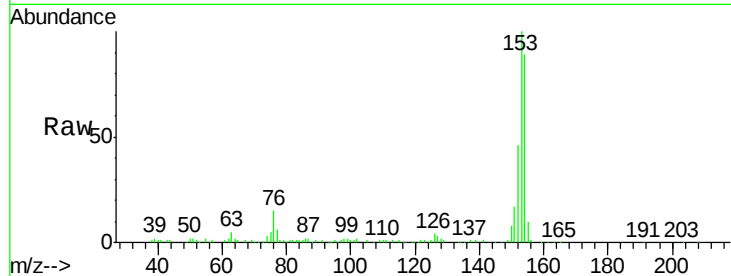
Tgt Ion:153 Resp: 71046

Ion Ratio Lower Upper

153 100

152 46.0 38.9 58.3

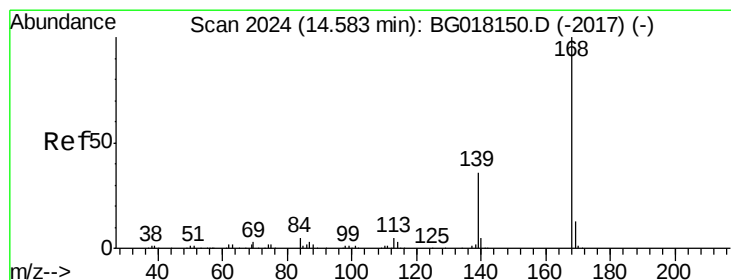
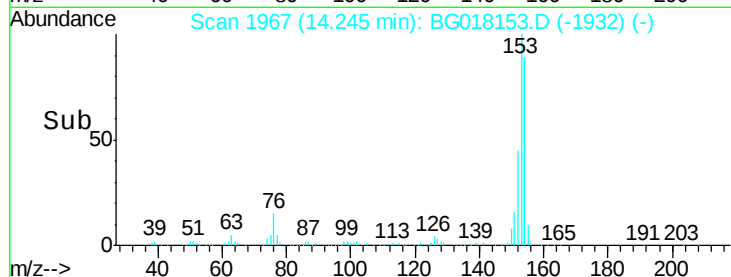
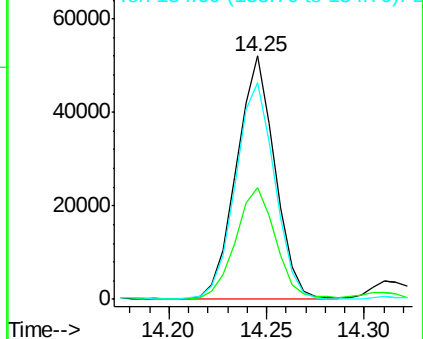
154 89.1 72.6 108.8



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



#54

Dibenzofuran

Concen: 5.32 ng/ul

RT: 14.58 min Scan# 2024

Delta R.T. -0.00 min

Lab File: BG018153.D

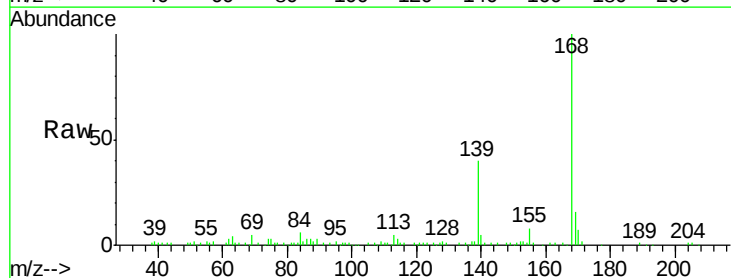
Acq: 28 Jul 2015 19:11

Tgt Ion:168 Resp: 59101

Ion Ratio Lower Upper

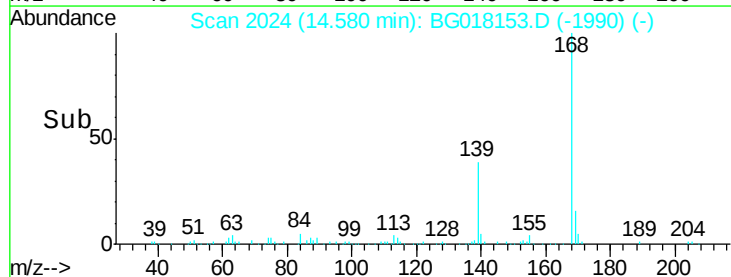
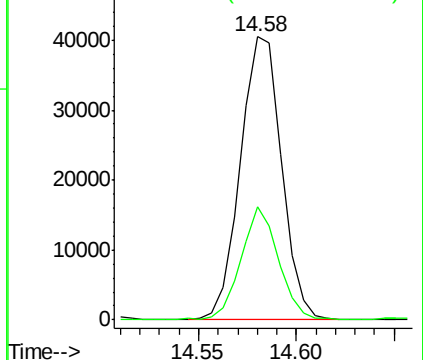
168 100

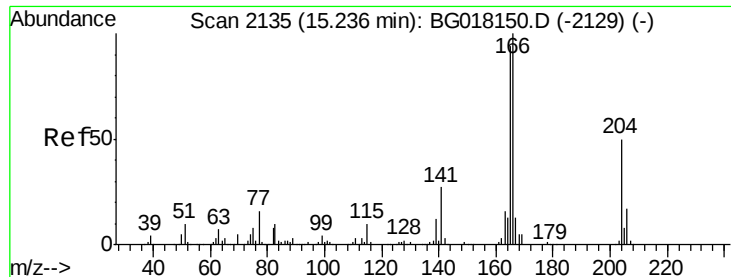
139 39.9 30.6 46.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

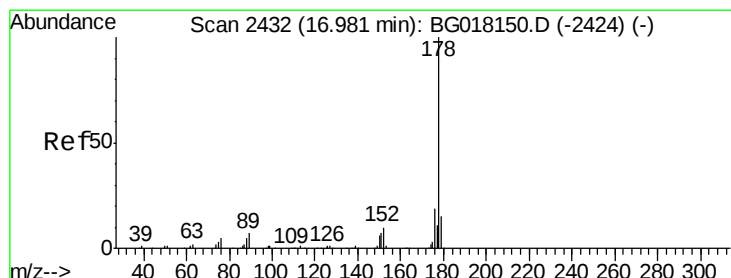
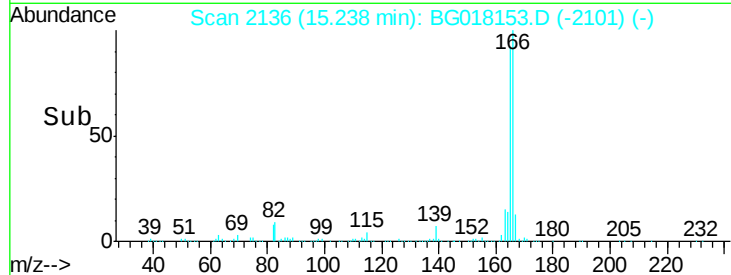
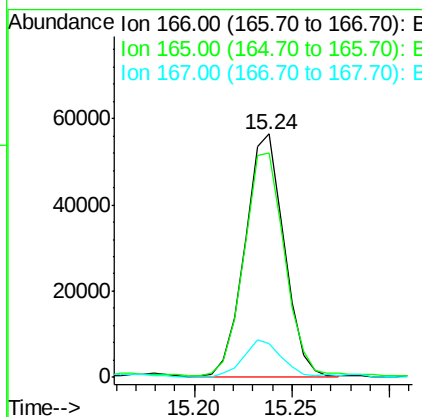
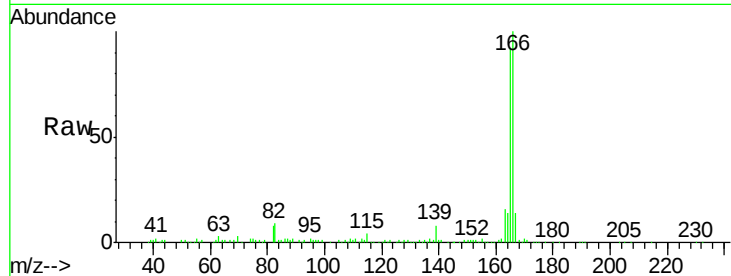




#59
 Fluorene
 Concen: 8.15 ng/ul
 RT: 15.24 min Scan# 2136
 Delta R.T. 0.00 min
 Lab File: BG018153.D
 Acq: 28 Jul 2015 19:11

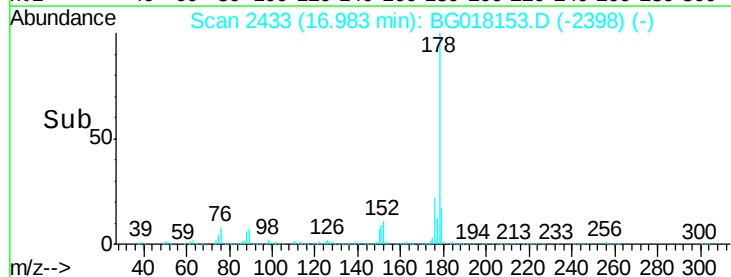
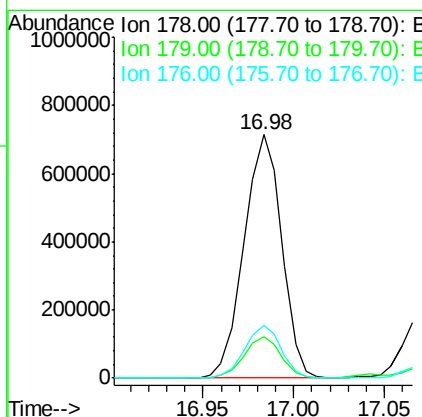
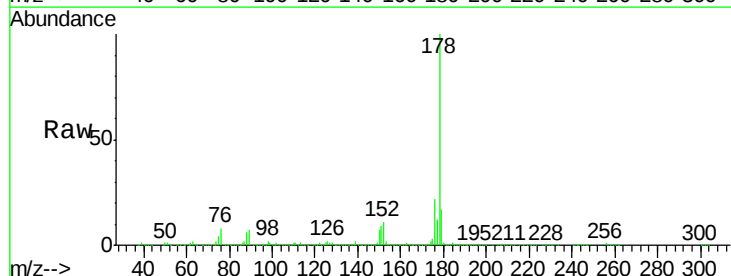
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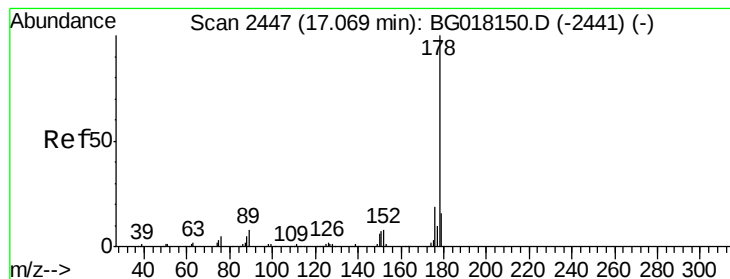
Tgt Ion:166 Resp: 77898
 Ion Ratio Lower Upper
 166 100
 165 92.4 73.6 110.4
 167 13.8 10.8 16.2



#70
 Phenanthrene
 Concen: 77.55 ng/ul
 RT: 16.98 min Scan# 2433
 Delta R.T. 0.00 min
 Lab File: BG018153.D
 Acq: 28 Jul 2015 19:11

Tgt Ion:178 Resp: 1028458
 Ion Ratio Lower Upper
 178 100
 179 17.2 13.0 19.6
 176 21.6 15.8 23.8





#72

Anthracene

Concen: 21.18 ng/ul

RT: 17.07 min Scan# 2448

Delta R.T. 0.00 min

Lab File: BG018153.D

Acq: 28 Jul 2015 19:11

Instrument :

BNA_M

ClientSampleId :

C02K6

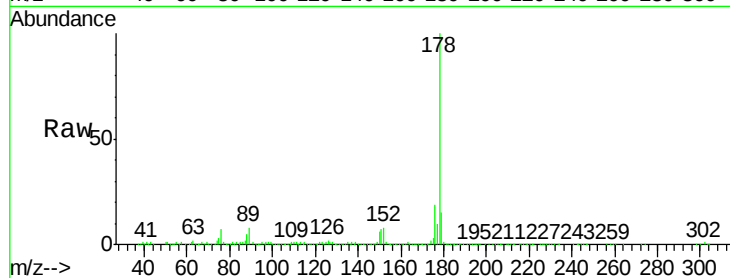
Tgt Ion:178 Resp: 285206

Ion Ratio Lower Upper

178 100

179 15.3 12.4 18.6

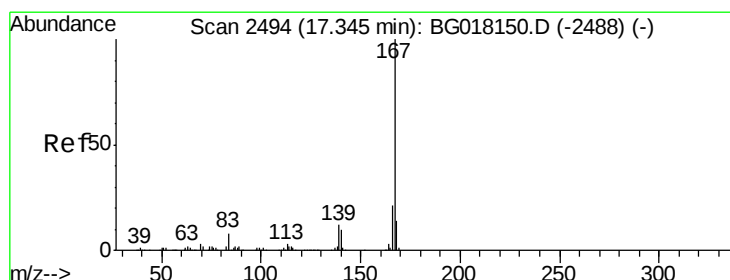
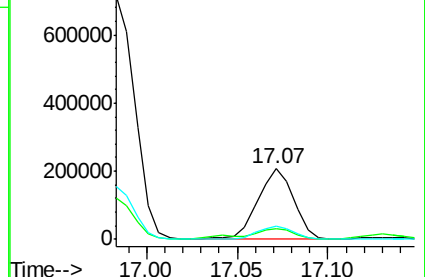
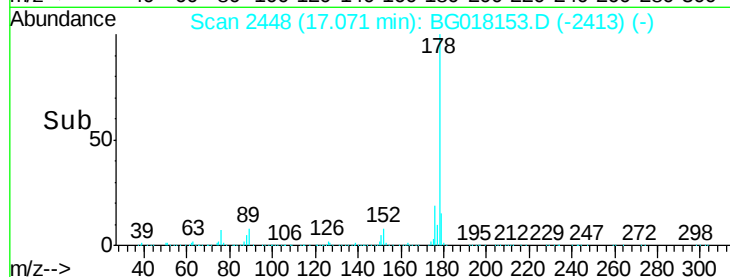
176 18.6 15.8 23.8



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



#75

Carbazole

Concen: 10.04 ng/ul

RT: 17.35 min Scan# 2495

Delta R.T. 0.00 min

Lab File: BG018153.D

Acq: 28 Jul 2015 19:11

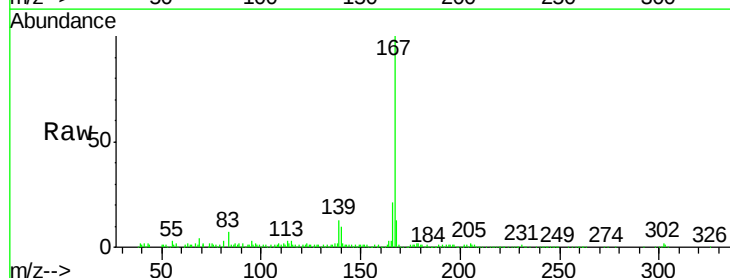
Tgt Ion:167 Resp: 117118

Ion Ratio Lower Upper

167 100

166 20.9 17.4 26.2

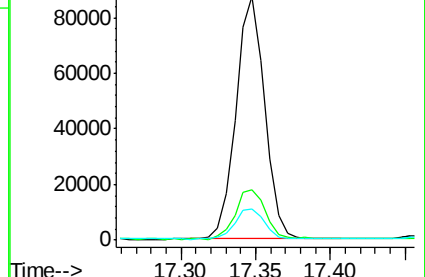
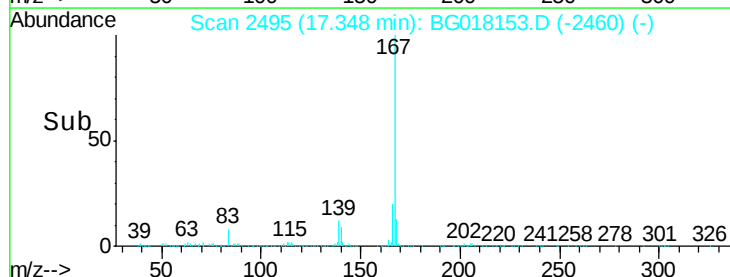
139 12.9 10.6 15.8

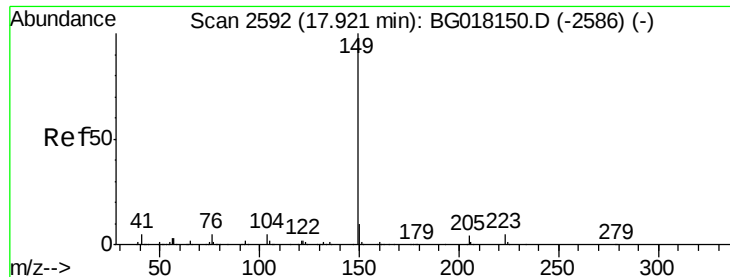


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E

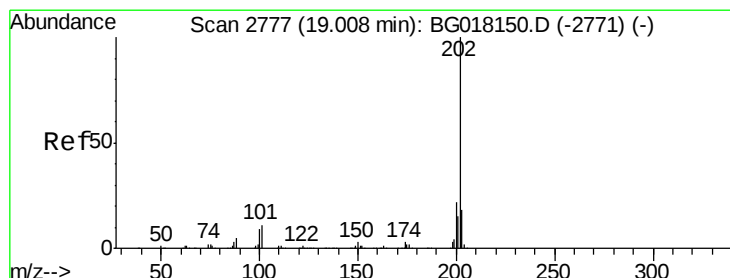
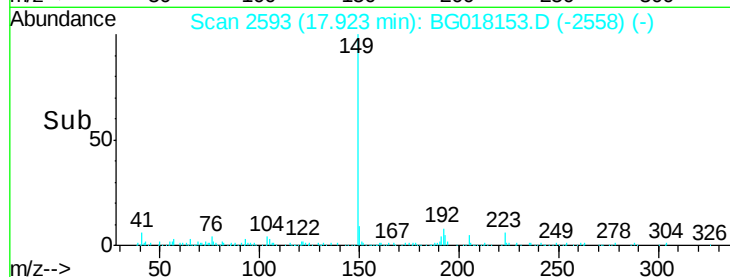
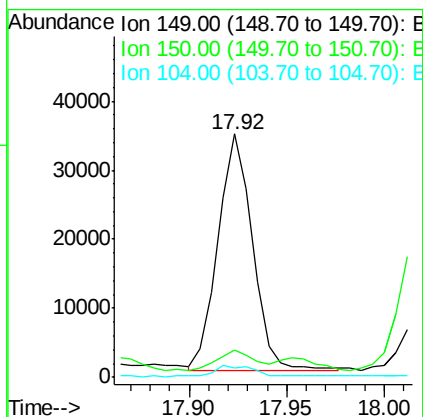
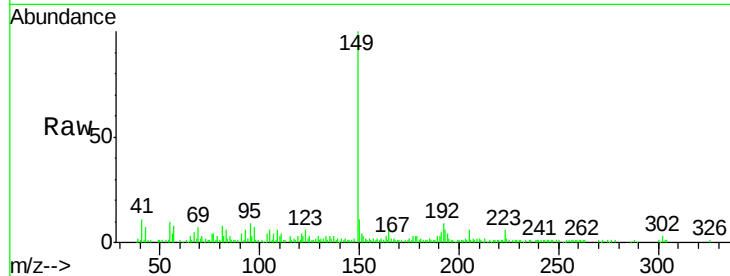




#76
Di-n-butylphthalate
Concen: 2.74 ng/ul
RT: 17.92 min Scan# 2593
Delta R.T. 0.00 min
Lab File: BG018153.D
Acq: 28 Jul 2015 19:11

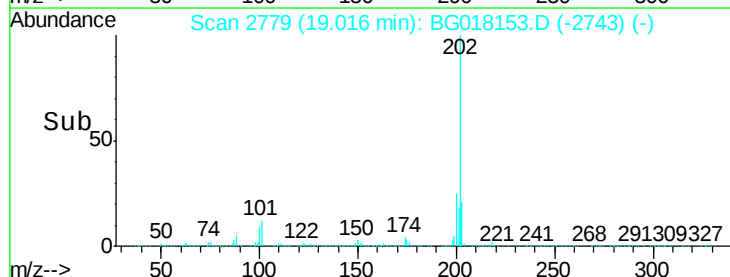
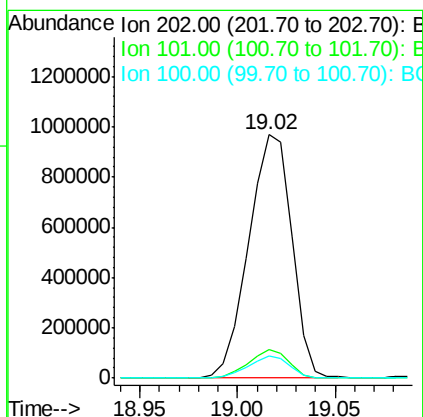
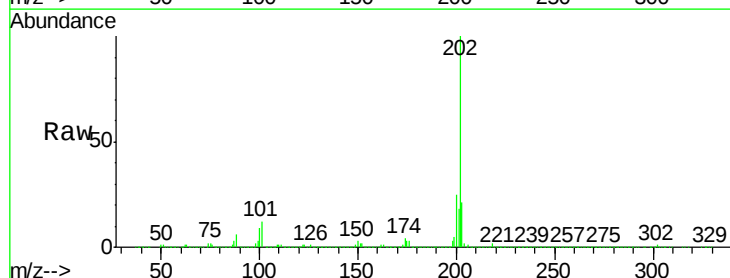
Instrument :
BNA_M
ClientSampleId :
C02K6

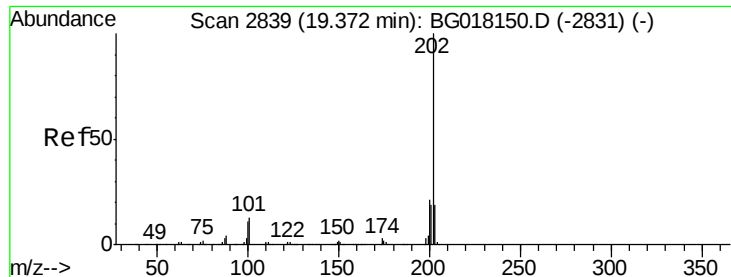
Tgt Ion:149 Resp: 42152
Ion Ratio Lower Upper
149 100
150 11.0 7.4 11.0
104 4.0 3.8 5.8



#77
Fluoranthene
Concen: 104.77 ng/ul
RT: 19.02 min Scan# 2779
Delta R.T. 0.01 min
Lab File: BG018153.D
Acq: 28 Jul 2015 19:11

Tgt Ion:202 Resp: 1479989
Ion Ratio Lower Upper
202 100
101 11.7 9.1 13.7
100 9.3 7.5 11.3

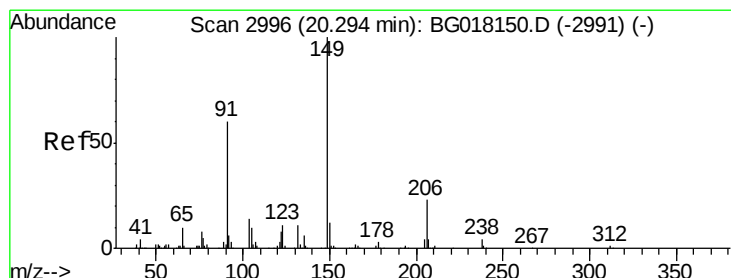
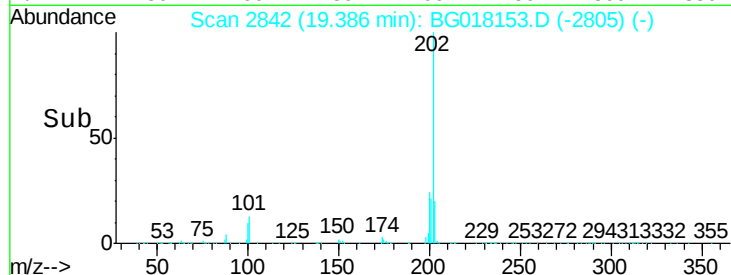
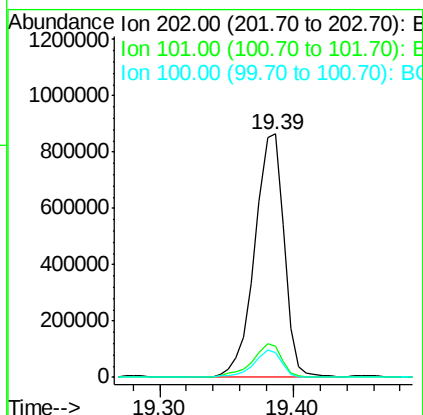
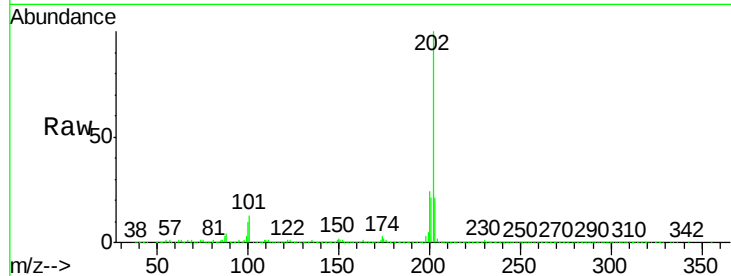




#80
 Pyrene
 Concen: 77.99 ng/ul
 RT: 19.39 min Scan# 2842
 Delta R.T. 0.01 min
 Lab File: BG018153.D
 Acq: 28 Jul 2015 19:11

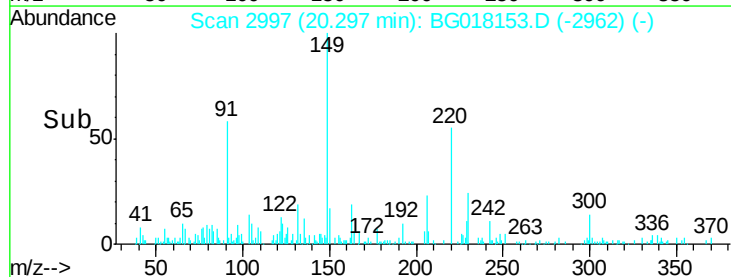
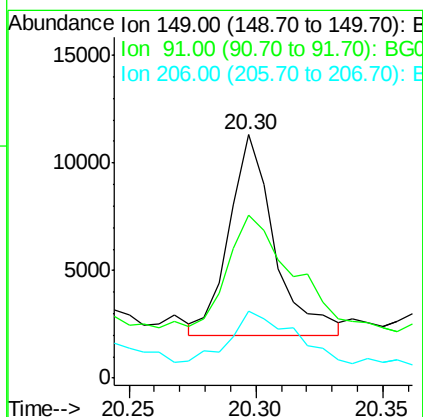
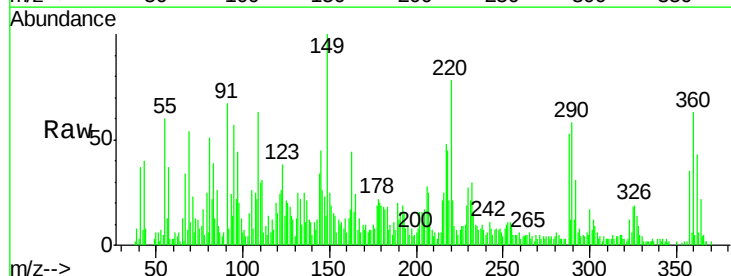
Instrument :
 BNA_M
 ClientSampleId :
 C02K6

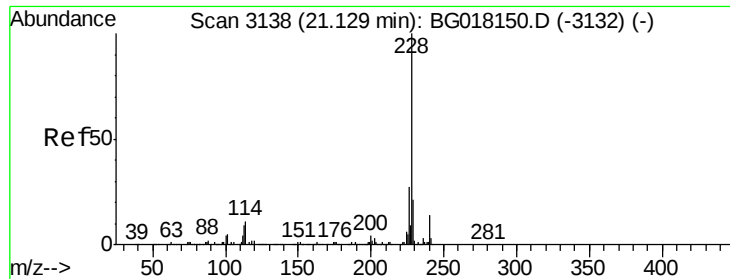
Tgt Ion: 202 Resp: 1302034
 Ion Ratio Lower Upper
 202 100
 101 13.0 10.9 16.3
 100 10.4 8.5 12.7



#81
 Butylbenzylphthalate
 Concen: 1.69 ng/ul
 RT: 20.30 min Scan# 2997
 Delta R.T. 0.00 min
 Lab File: BG018153.D
 Acq: 28 Jul 2015 19:11

Tgt Ion: 149 Resp: 11532
 Ion Ratio Lower Upper
 149 100
 91 66.9 51.1 76.7
 206 27.6 19.9 29.9

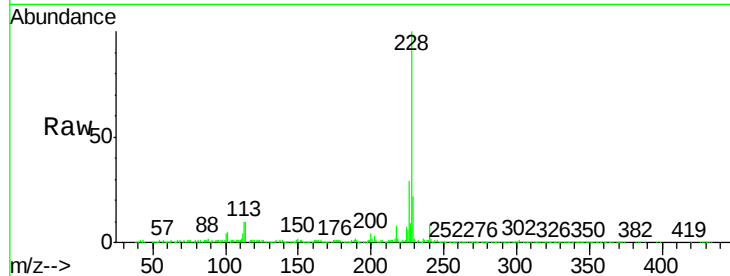




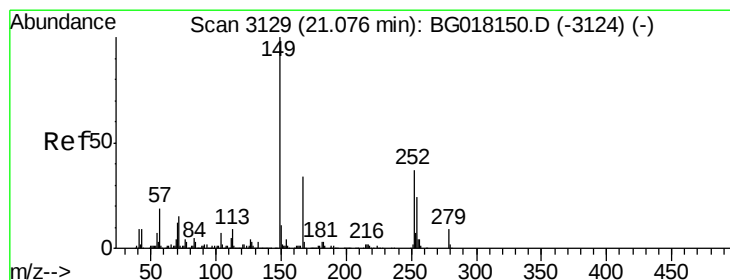
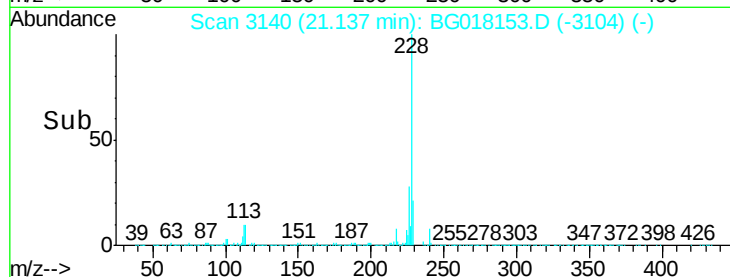
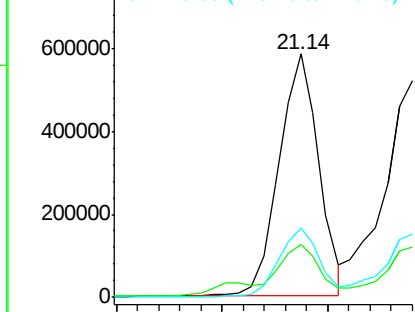
#83
Benzo(a)anthracene
Concen: 49.66 ng/ul
RT: 21.14 min Scan# 3140
Delta R.T. 0.01 min
Lab File: BG018153.D
Acq: 28 Jul 2015 19:11

Instrument :
BNA_M
ClientSampleId :
C02K6

Tgt Ion: 228 Resp: 765731
Ion Ratio Lower Upper
228 100
229 21.9 16.6 24.8
226 28.5 21.1 31.7

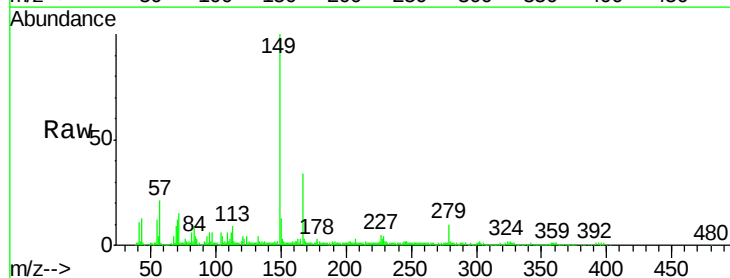


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 229.00 (228.70 to 229.70): E
Ion 226.00 (225.70 to 226.70): E

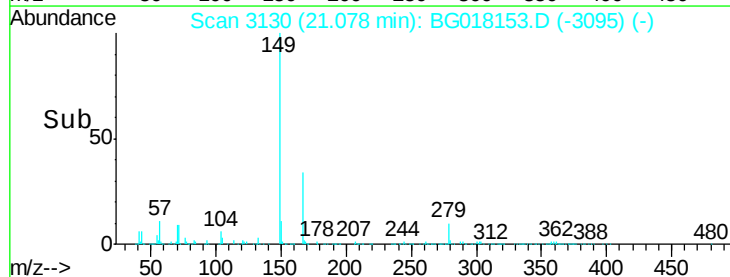
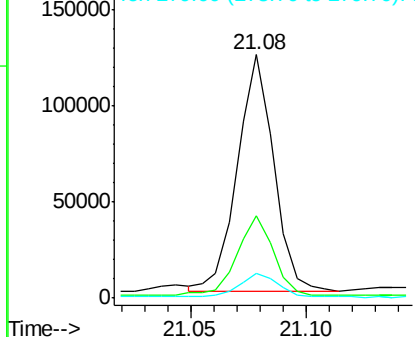


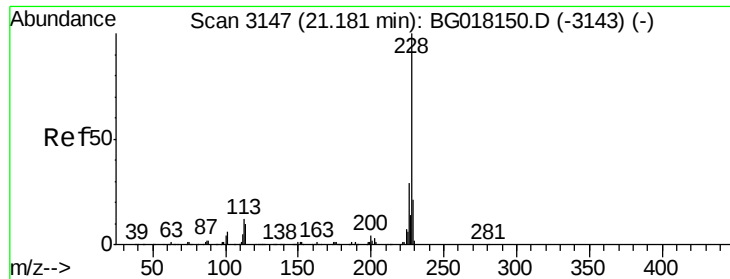
#84
Bis(2-ethylhexyl)phthalate
Concen: 13.79 ng/ul
RT: 21.08 min Scan# 3130
Delta R.T. 0.00 min
Lab File: BG018153.D
Acq: 28 Jul 2015 19:11

Tgt Ion: 149 Resp: 135020
Ion Ratio Lower Upper
149 100
167 33.7 26.2 39.4
279 10.1 7.2 10.8



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

Chrysene

Concen: 53.25 ng/ul

RT: 21.14 min Scan# 3140

Delta R.T. -0.04 min

Lab File: BG018153.D

Acq: 28 Jul 2015 19:11

Instrument :

BNA_M

ClientSampleId :

C02K6

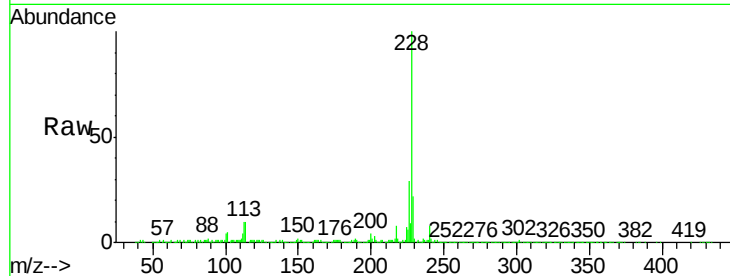
Tgt Ion:228 Resp: 773136

Ion Ratio Lower Upper

228 100

226 28.5 22.9 34.3

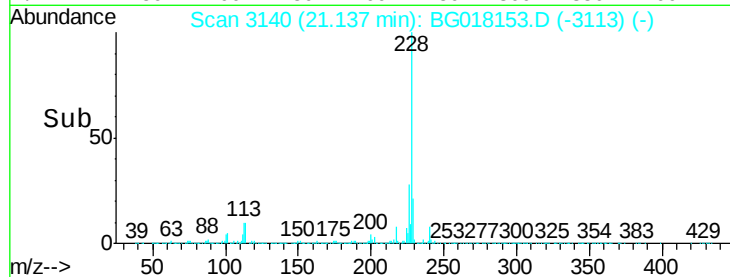
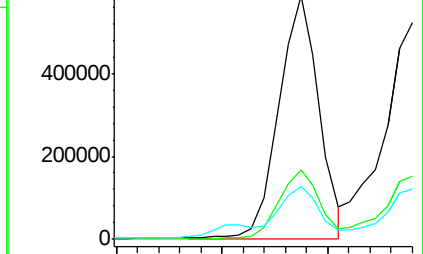
229 21.9 15.6 23.4



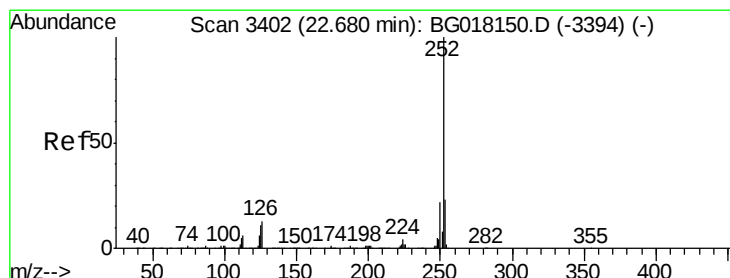
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time--> 21.05 21.10 21.15



#88

Benzo(b)fluoranthene

Concen: 52.16 ng/ul

RT: 22.69 min Scan# 3405

Delta R.T. 0.01 min

Lab File: BG018153.D

Acq: 28 Jul 2015 19:11

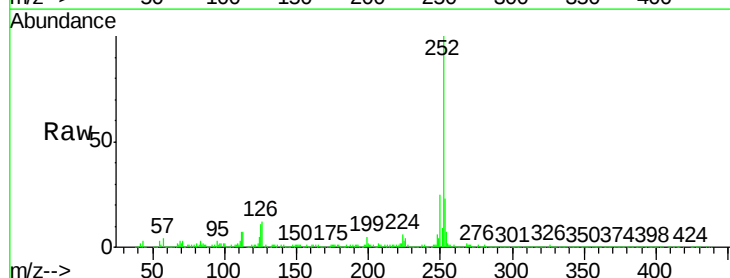
Tgt Ion:252 Resp: 869619

Ion Ratio Lower Upper

252 100

253 23.4 18.5 27.7

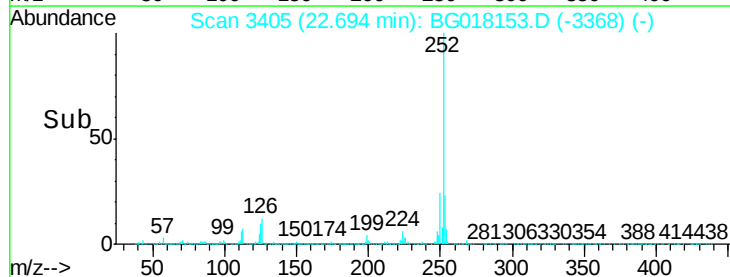
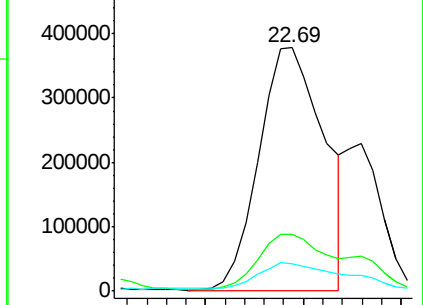
125 11.2 9.1 13.7



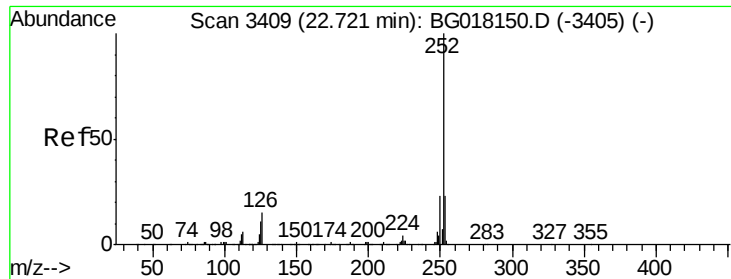
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time--> 22.65 22.70



#89

Benzo(k)fluoranthene

Concen: 53.89 ng/ul

RT: 22.69 min Scan# 3405

Delta R.T. -0.03 min

Lab File: BG018153.D

Acq: 28 Jul 2015 19:11

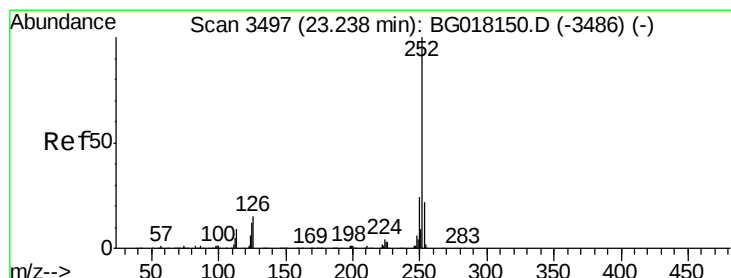
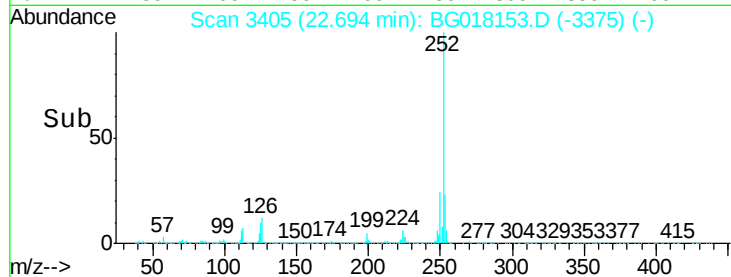
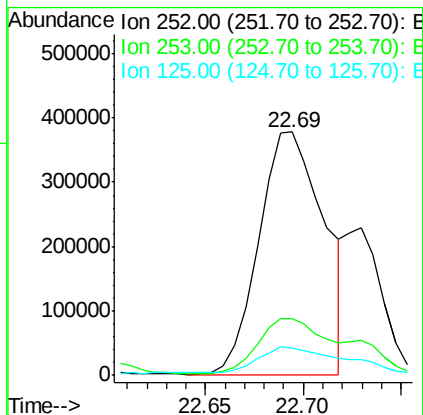
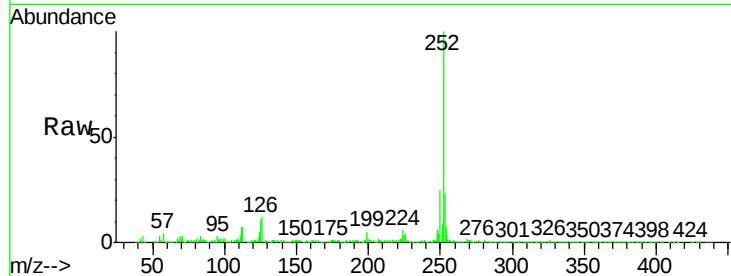
Instrument :

BNA_M

ClientSampleId :

C02K6

Tgt Ion:	252	Resp:	869619
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.8	26.8
125	11.2	9.3	13.9



#91

Benzo(a)pyrene

Concen: 37.00 ng/ul

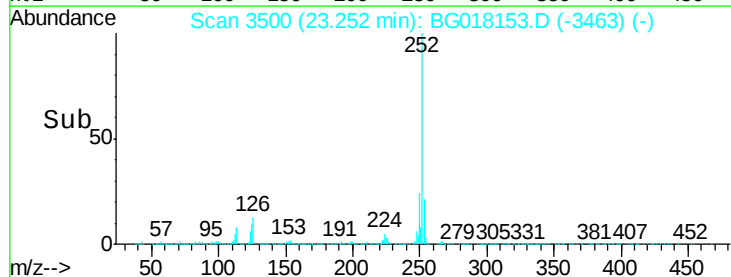
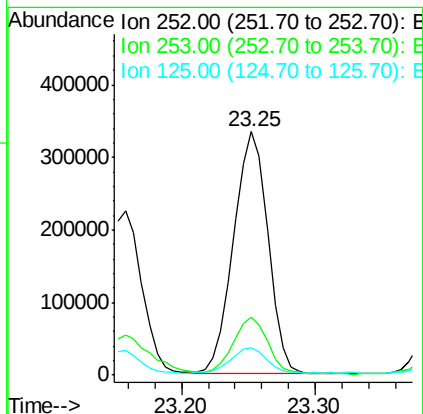
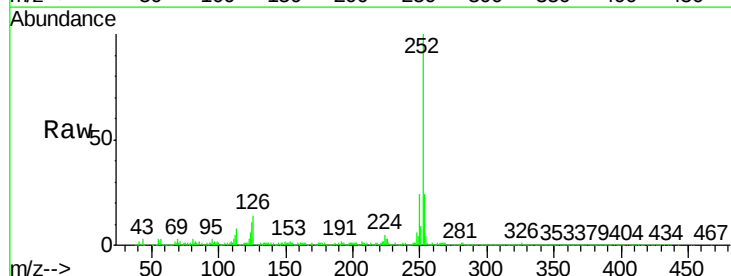
RT: 23.25 min Scan# 3500

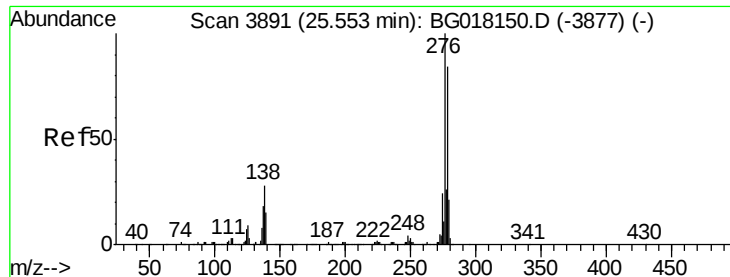
Delta R.T. 0.01 min

Lab File: BG018153.D

Acq: 28 Jul 2015 19:11

Tgt Ion:	252	Resp:	597349
Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.0	27.0
125	11.3	10.2	15.2





#92

Indeno(1,2,3-cd)pyrene

Concen: 19.59 ng/ul

RT: 25.56 min Scan# 3893

Delta R.T. 0.01 min

Lab File: BG018153.D

Acq: 28 Jul 2015 19:11

Instrument :

BNA_M

ClientSampleId :

C02K6

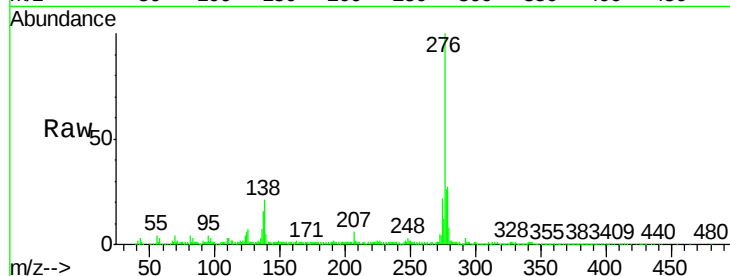
Tgt Ion:276 Resp: 365003

Ion Ratio Lower Upper

276 100

138 21.2 22.6 33.8#

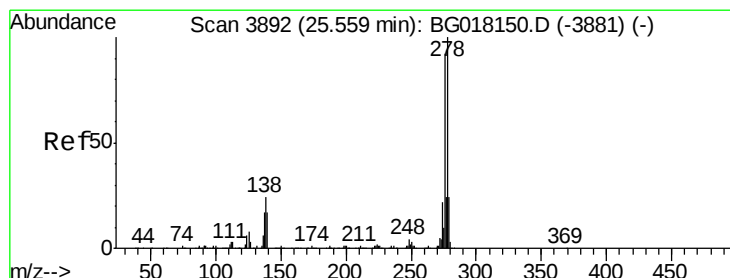
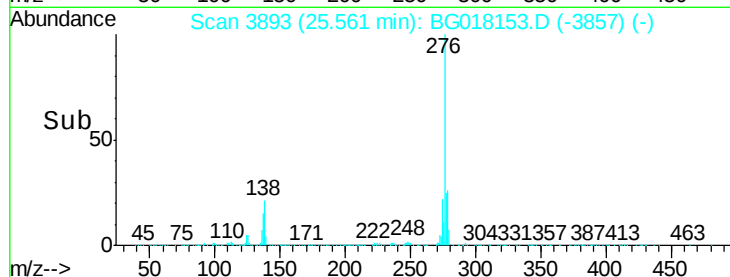
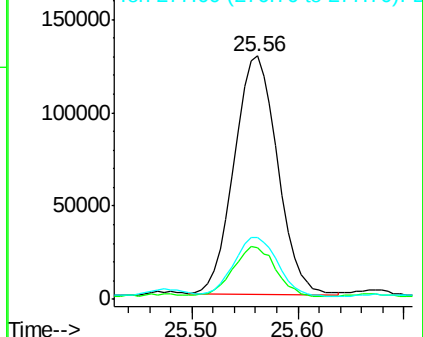
277 25.6 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#93

Dibenzo(a,h)anthracene

Concen: 6.99 ng/ul

RT: 25.56 min Scan# 3893

Delta R.T. 0.00 min

Lab File: BG018153.D

Acq: 28 Jul 2015 19:11

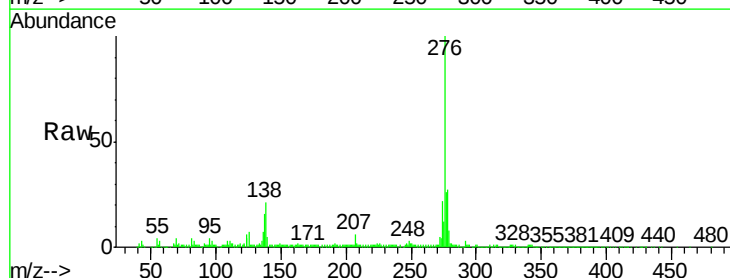
Tgt Ion:278 Resp: 111174

Ion Ratio Lower Upper

278 100

139 18.3 13.7 20.5

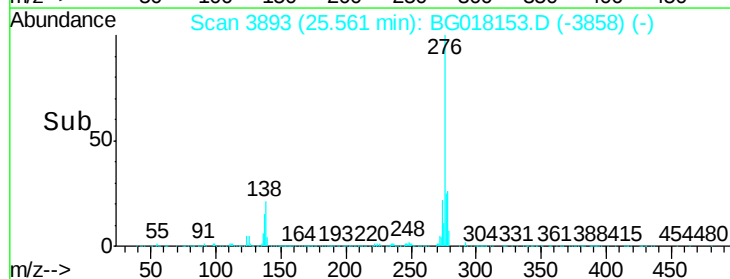
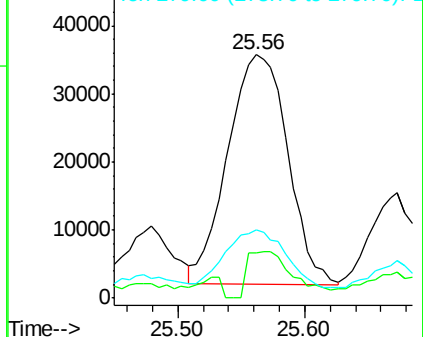
279 28.1 18.1 27.1#

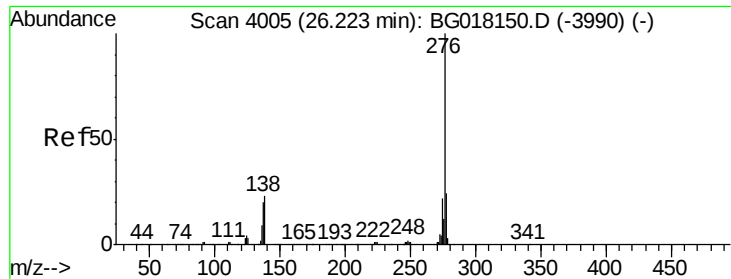


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#94

Benzo(g,h,i)perylene

Concen: 21.14 ng/ul

RT: 26.24 min Scan# 4009

Delta R.T. 0.02 min

Lab File: BG018153.D

Acq: 28 Jul 2015 19:11

Instrument :

BNA_M

ClientSampleId :

C02K6

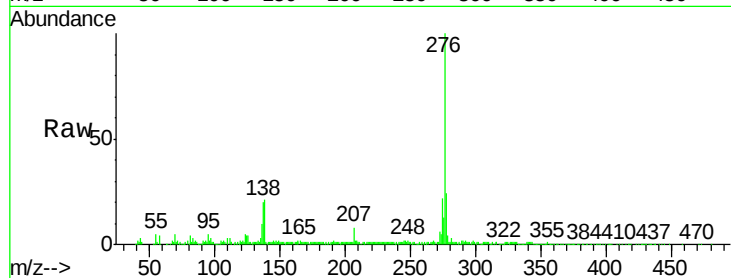
Tgt Ion:276 Resp: 325455

Ion Ratio Lower Upper

276 100

138 21.2 18.8 28.2

277 24.2 19.3 28.9



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

