

Data Path : \\74.0.250.170\SV0ASRV\HPCHEM1\BNA M\DATA\BM101417\
 Data File : BM012206.D
 Acq On : 15 Oct 2017 13:24
 Operator : SJ/JU
 Sample : I5522-19RE
 Misc :
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AC5

Quant Time: Oct 16 02:03:00 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Oct 16 01:56:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	211504	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	910050	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.47	164	602457	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.22	188	1390818	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	1284074	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	1124306	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	17845	4.01	ng/uL	0.00
5) Phenol-d5	6.99	99	383071	22.32	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.15	67	214002	20.79	ng/ul	0.00
9) 2-Chlorophenol-d4	7.35	132	345003	23.70	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	309892	20.97	ng/ul	0.01
19) Nitrobenzene-d5	8.98	128	165577	23.84	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	190708	23.50	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.25	165	394279	25.45	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	239724	16.53	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	1399711	26.29	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	1731981	26.87	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	149617	18.69	ng/ul	0.01
57) Fluorene-d10	15.46	176	1176731	26.93	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	67297	7.05	ng/ul	0.01
70) Anthracene-d10	17.32	188	1858780	27.03	ng/ul	0.00
76) Pyrene-d10	19.61	212	1856636	28.48	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	1431953	26.42	ng/ul	0.02

Target Compounds

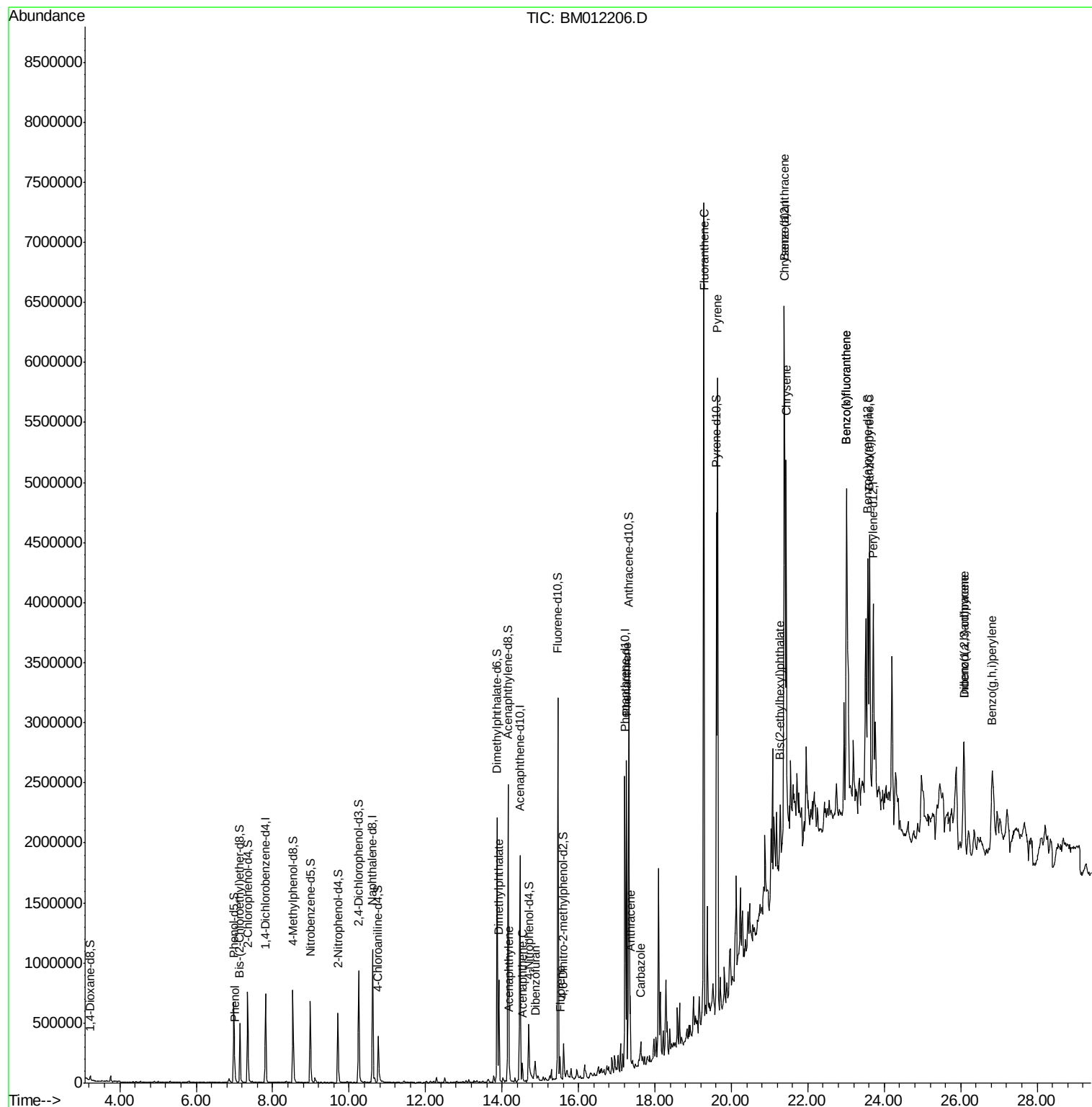
					Ovalue	
6) Phenol	7.02	94	18900	1.065	ng/ul	95
44) Dimethylphthalate	13.92	163	530044	9.936	ng/ul	100
47) Acenaphthylene	14.19	152	75660	1.195	ng/ul	97
49) Acenaphthene	14.53	153	64712	1.518	ng/ul	95
53) Dibenzofuran	14.87	168	66423	1.082	ng/ul	99
58) Fluorene	15.52	166	80133	1.572	ng/ul	96
69) Phenanthrene	17.26	178	1572129	19.870	ng/ul	99
71) Anthracene	17.35	178	353419	4.315	ng/ul	98
72) Carbazole	17.63	167	132734	1.915	ng/ul	97
74) Fluoranthene	19.28	202	4092015	42.856	ng/ul#	95
77) Pyrene	19.64	202	3236551	38.166	ng/ul#	95
80) Benzo(a)anthracene	21.38	228	1902503	22.770	ng/ul	97
81) Bis(2-ethylhexyl)phthalate	21.29	149	146234	2.582	ng/ul#	99
82) Chrysene	21.43	228	1703801	21.720	ng/ul	96
85) Benzo(b)fluoranthene	23.02	252	2170034	29.576	ng/ul#	98
86) Benzo(k)fluoranthene	23.02	252	2170034	30.691	ng/ul#	96
88) Benzo(a)pyrene	23.62	252	1521609	22.004	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.09	276	930615	12.672	ng/ul#	97
90) Dibenzo(a,h)anthracene	26.08	278	249844	4.047	ng/ul#	79
91) Benzo(g,h,i)perylene	26.82	276	789344	13.124	ng/ul#	92

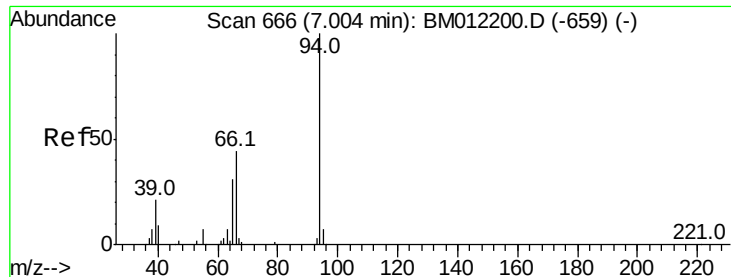
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Mon Oct 16 01:56:01 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.065 ng/ul

RT: 7.02 min Scan# 668

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

Instrument :

BNA_M

ClientSampleId :

C0AC5

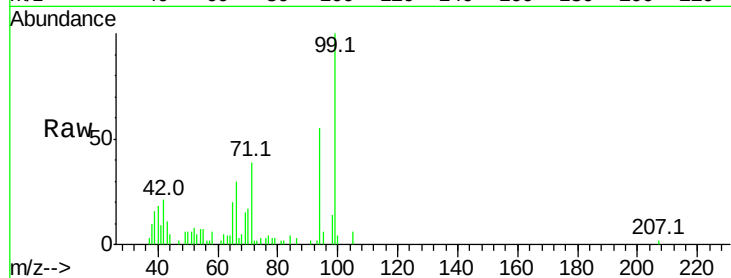
Tot Ion: 94 Resp: 18900

Ion Ratio Lower Upper

94 100

65 35.9 28.2 42.4

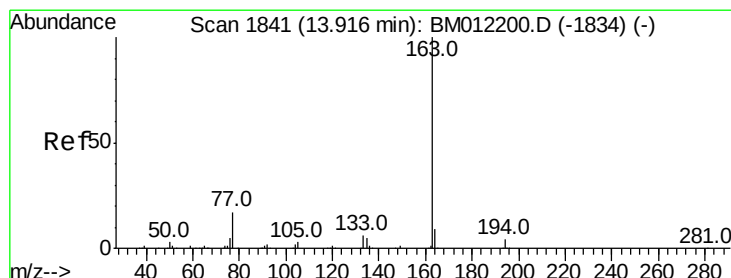
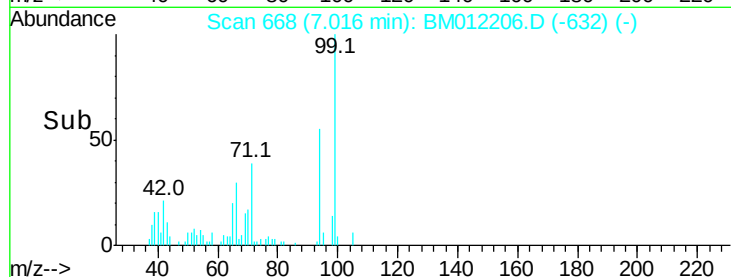
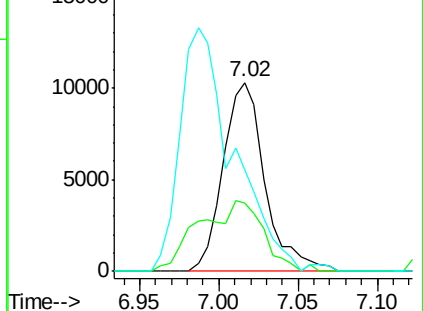
66 53.6 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM012200.D (-659) (-)

Ion 65.00 (64.70 to 65.70): BM012200.D (-659) (-)

Ion 66.00 (65.70 to 66.70): BM012200.D (-659) (-)



#44

Dimethylphthalate

Concen: 9.936 ng/ul

RT: 13.92 min Scan# 1842

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

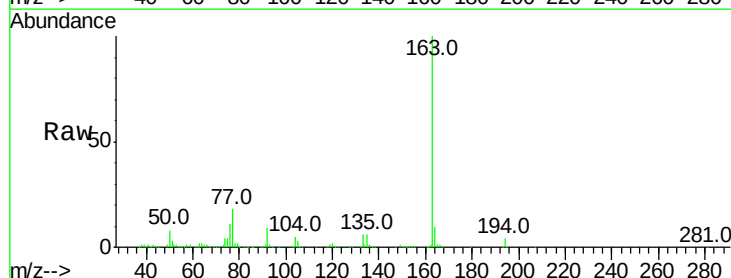
Tgt Ion: 163 Resp: 530044

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

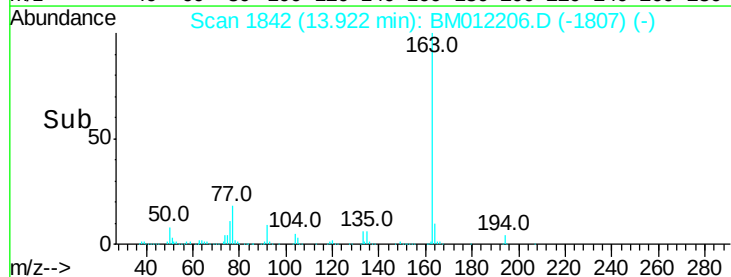
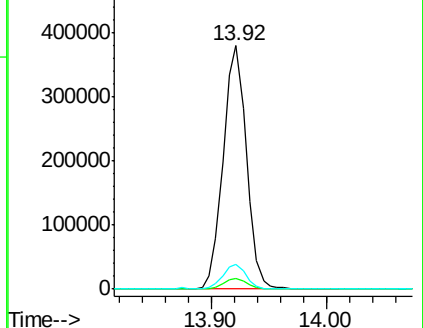
164 10.1 8.2 12.4

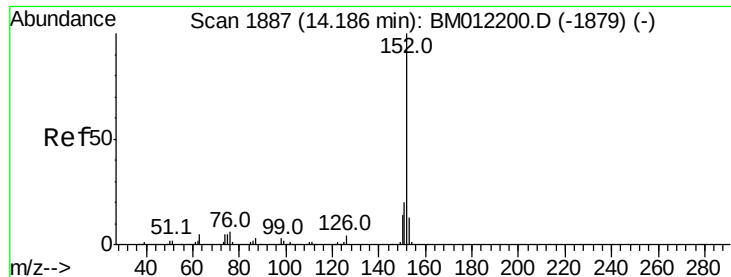


Abundance Ion 163.00 (162.70 to 163.70): BM012200.D (-1834) (-)

Ion 194.00 (193.70 to 194.70): BM012200.D (-1834) (-)

Ion 164.00 (163.70 to 164.70): BM012200.D (-1834) (-)





#47

Acenaphthylene

Concen: 1.195 ng/ul

RT: 14.19 min Scan# 1888

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

Instrument :

BNA_M

ClientSampleId :

C0AC5

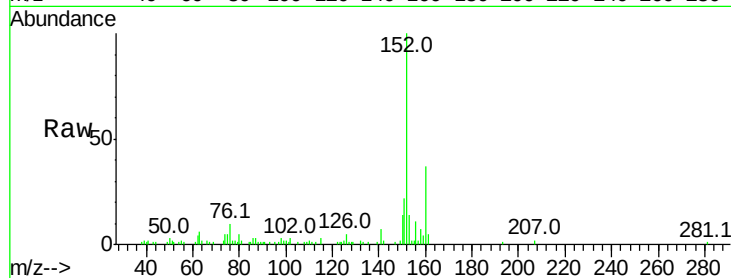
Tot Ion:152 Resp: 75660

Ion	Ratio	Lower	Upper
152	100		
151	21.5	16.3	24.5
153	14.0	10.2	15.4

152 100

151 21.5 16.3 24.5

153 14.0 10.2 15.4

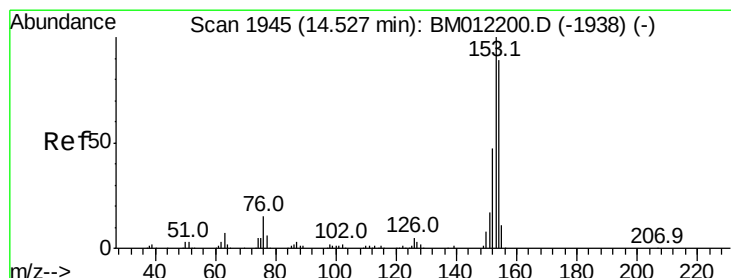
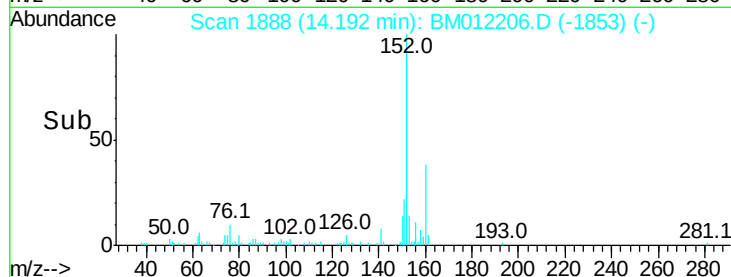
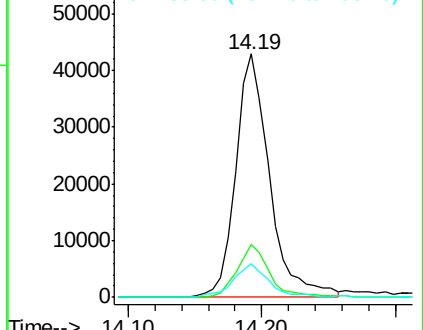


Abundance

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: 1.518 ng/ul

RT: 14.53 min Scan# 1946

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

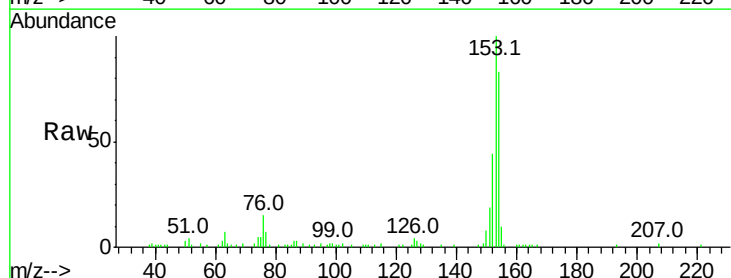
Tgt Ion:153 Resp: 64712

Ion	Ratio	Lower	Upper
153	100		
152	44.2	37.6	56.4
154	82.8	70.4	105.6

153 100

152 44.2 37.6 56.4

154 82.8 70.4 105.6

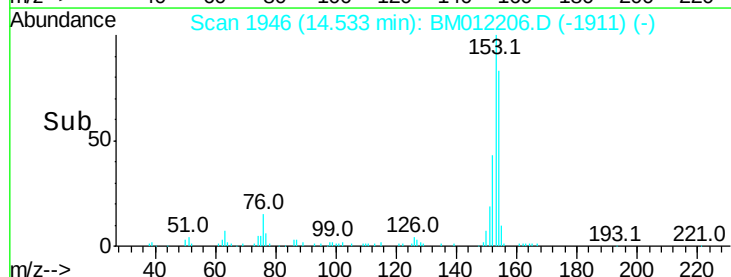
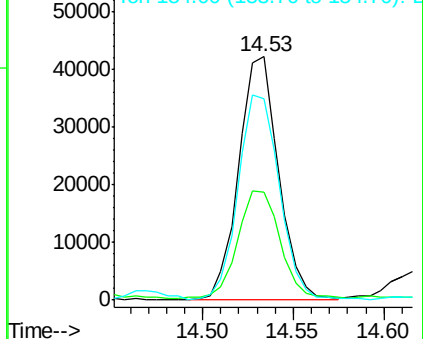


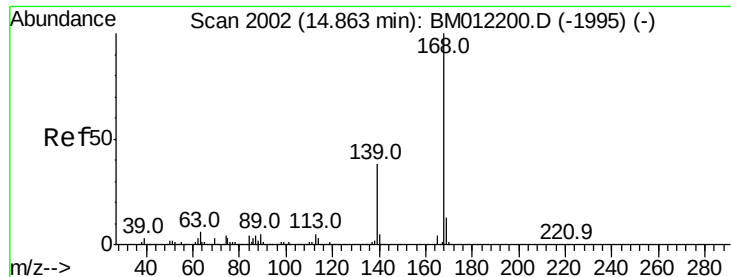
Abundance

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: 1.082 ng/ul

RT: 14.87 min Scan# 2003

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

Instrument :

BNA_M

ClientSampled :

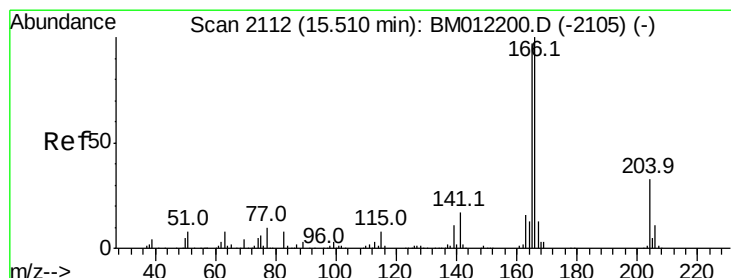
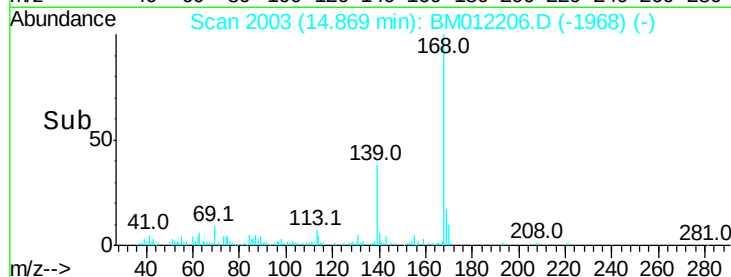
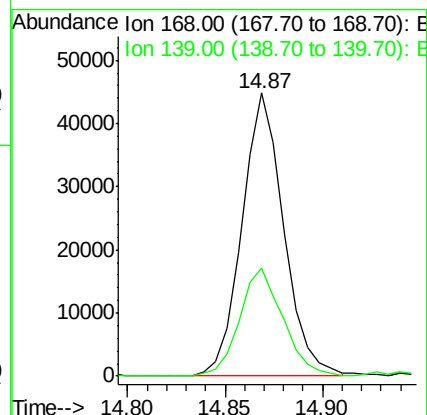
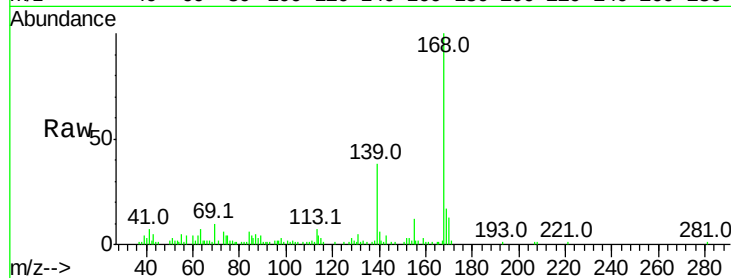
C0AC5

Tot Ion:168 Resp: 66423

Ion Ratio Lower Upper

168 100

139 38.0 30.8 46.2



#58

Fluorene

Concen: 1.572 ng/ul

RT: 15.52 min Scan# 2113

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

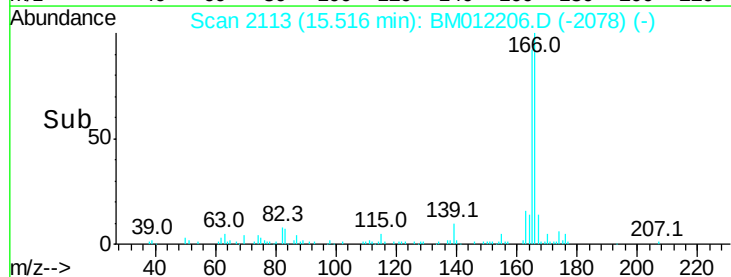
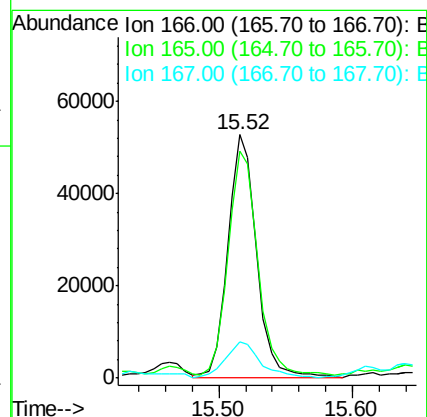
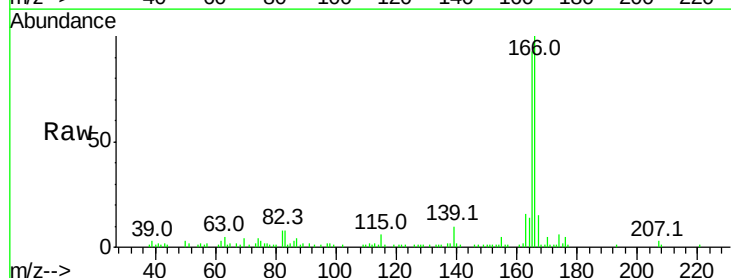
Tgt Ion:166 Resp: 80133

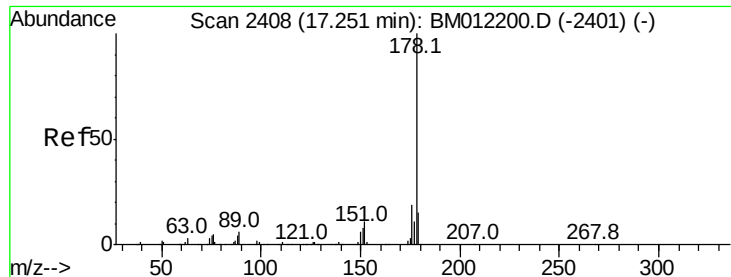
Ion Ratio Lower Upper

166 100

165 93.3 77.9 116.9

167 15.2 10.6 16.0





#69

Phenanthrene

Concen: 19.870 ng/ul

RT: 17.26 min Scan# 2409

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

Instrument :

BNA_M

ClientSampleId :

C0AC5

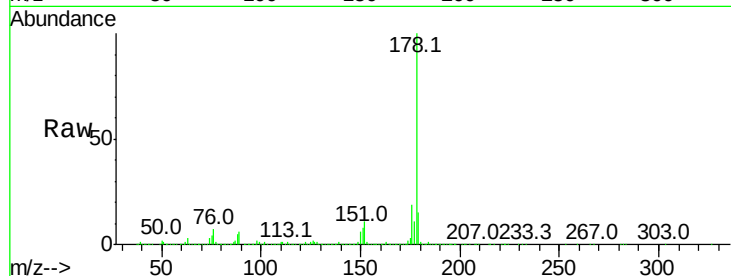
Tot Ion:178 Resp: 1572129

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	18.9	14.9	22.3

178 100

179 15.3 12.6 19.0

176 18.9 14.9 22.3

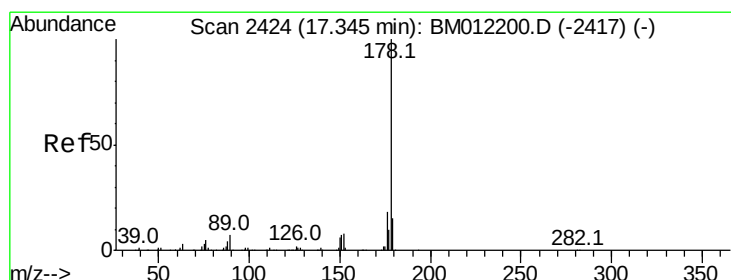
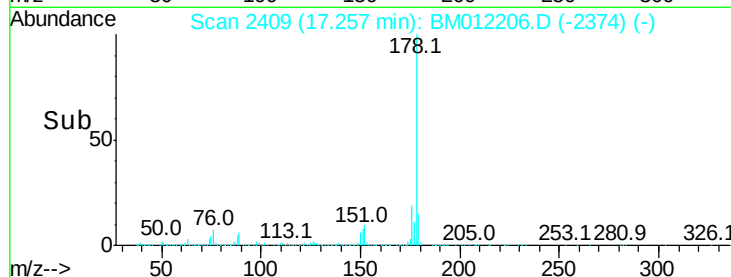
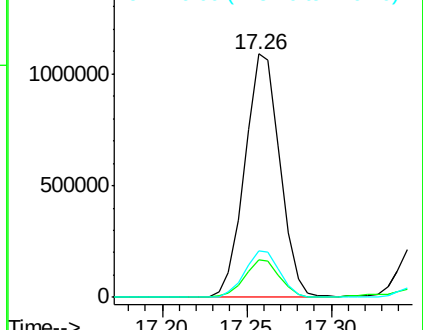


Abundance

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: 4.315 ng/ul

RT: 17.35 min Scan# 2425

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

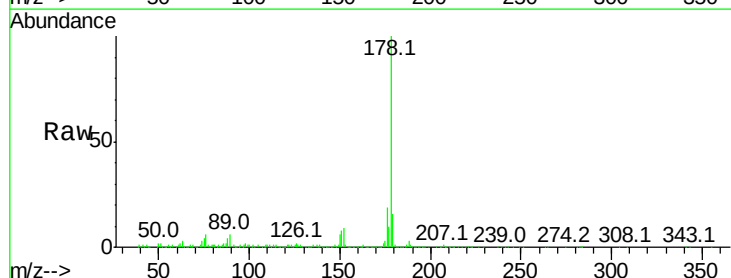
Tgt Ion:178 Resp: 353419

Ion	Ratio	Lower	Upper
178	100		
179	15.9	11.7	17.5
176	18.9	14.6	21.8

178 100

179 15.9 11.7 17.5

176 18.9 14.6 21.8

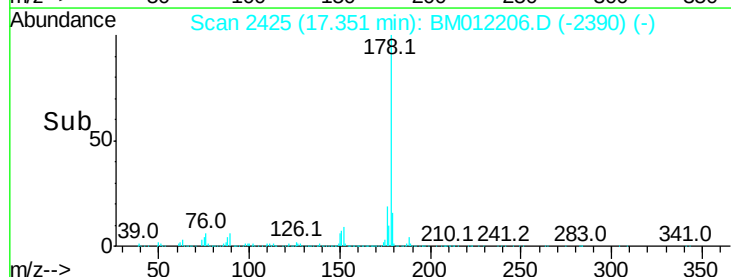
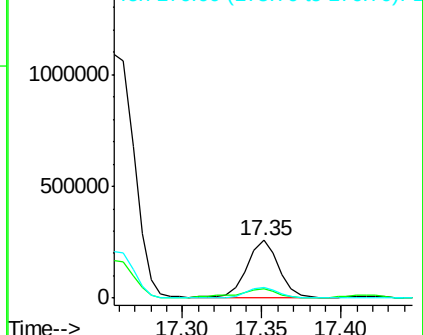


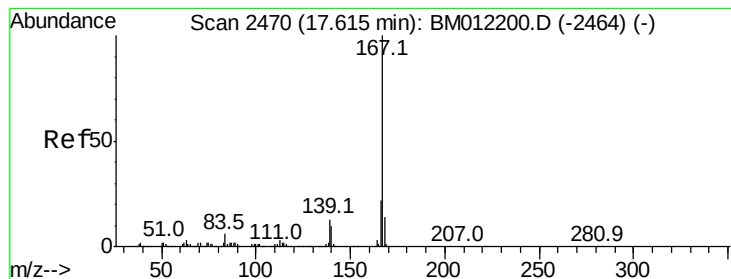
Abundance

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





#72

Carbazole

Concen: 1.915 ng/ul

RT: 17.63 min Scan# 2472

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

Instrument :

BNA_M

ClientSampleId :

C0AC5

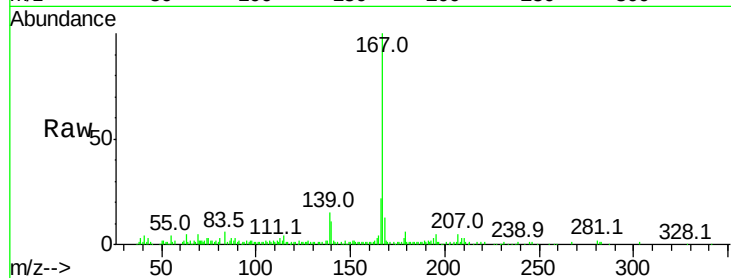
Tot Ion:167 Resp: 132734

Ion Ratio Lower Upper

167 100

166 22.5 17.1 25.7

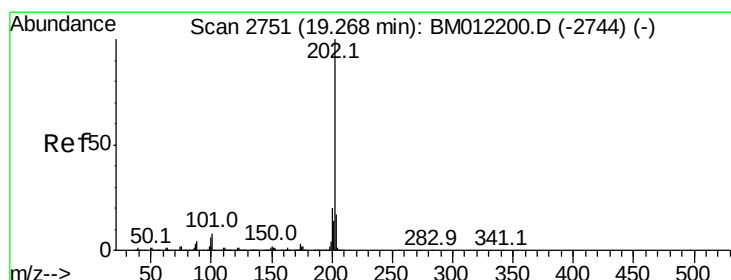
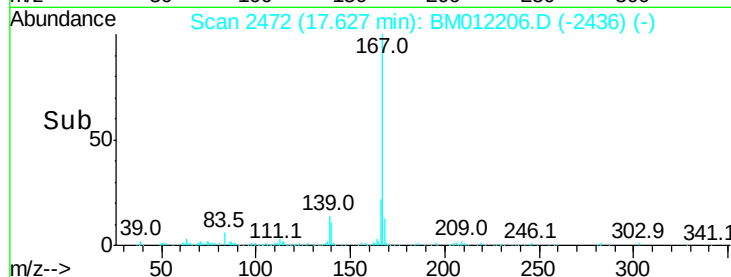
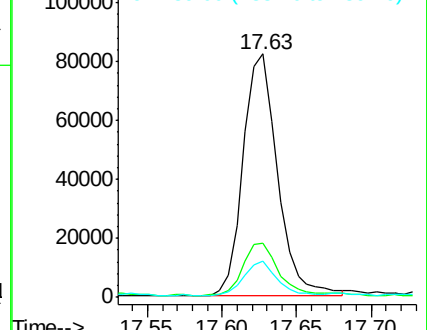
139 14.6 10.0 15.0



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



#74

Fluoranthene

Concen: 42.856 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

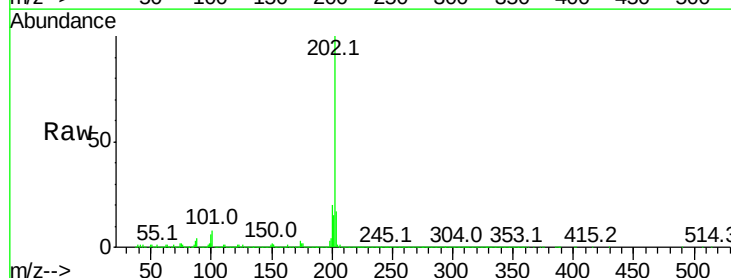
Tgt Ion:202 Resp: 4092015

Ion Ratio Lower Upper

202 100

101 7.5 4.6 7.0#

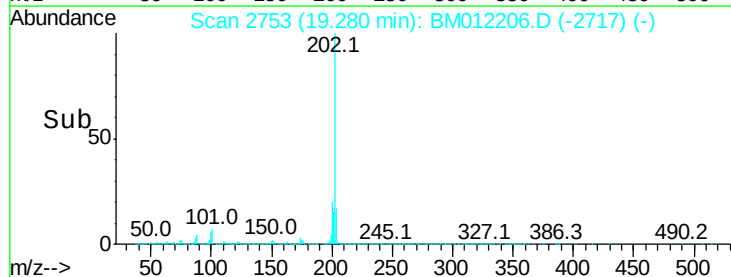
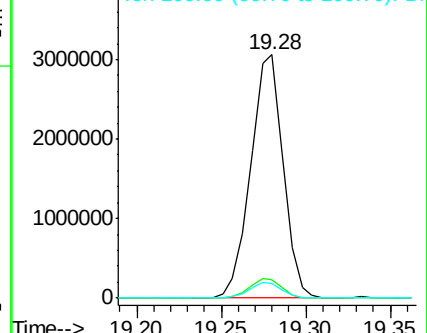
100 6.0 3.4 5.2#

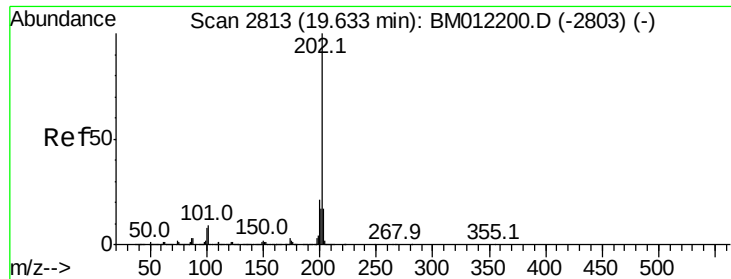


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 38.166 ng/ul

RT: 19.64 min Scan# 2815

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

Instrument :

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ClientSampleId :

C0AC5

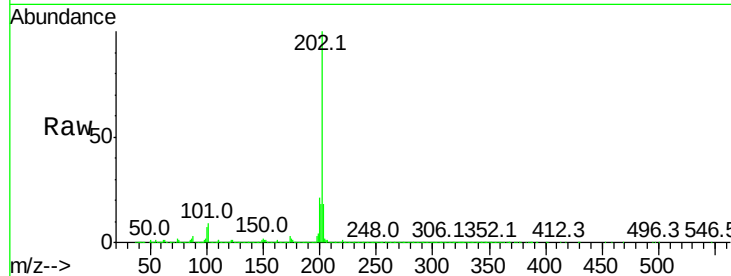
Tot Ion:202 Resp: 3236551

Ion Ratio Lower Upper

202 100

101 8.5 5.1 7.7#

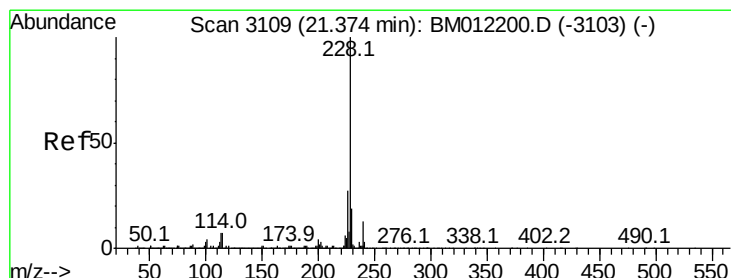
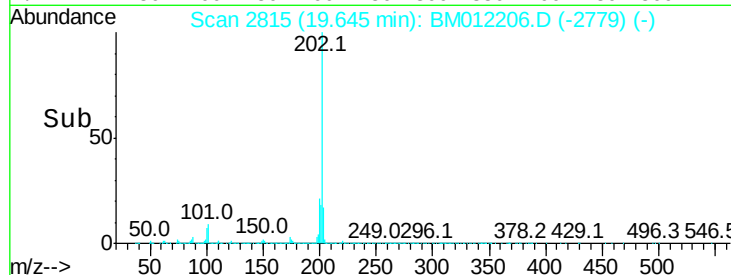
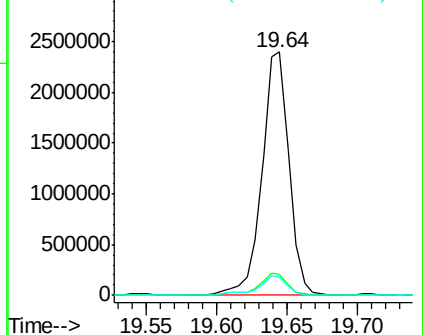
100 7.3 4.9 7.3



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E



#80

Benzo(a)anthracene

Concen: 22.770 ng/ul

RT: 21.38 min Scan# 3110

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

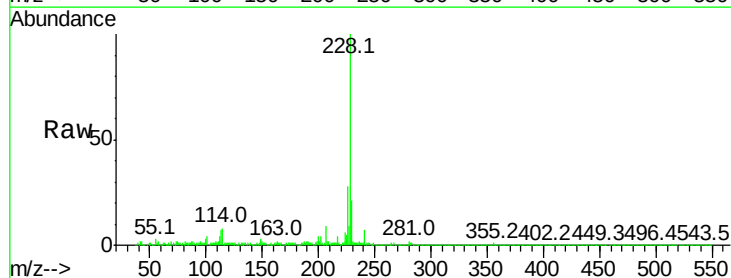
Tgt Ion:228 Resp: 1902503

Ion Ratio Lower Upper

228 100

229 21.1 15.4 23.0

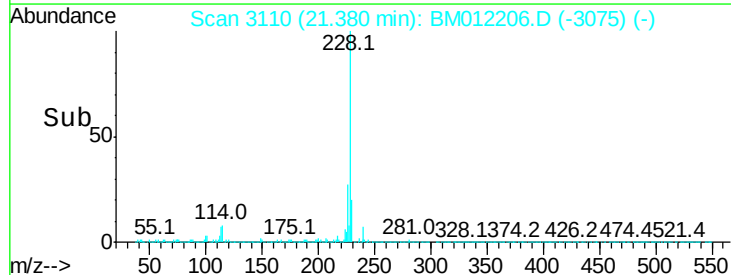
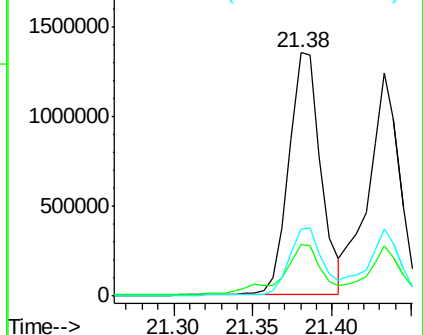
226 27.6 21.4 32.0

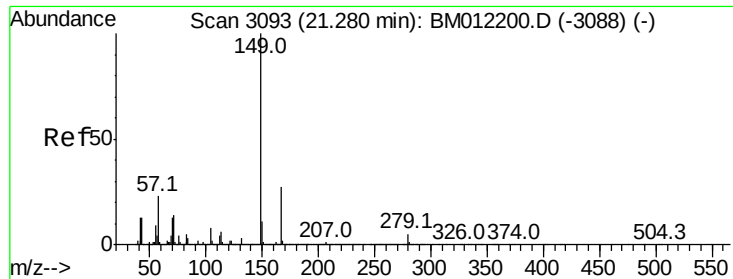


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 2.582 ng/ul

RT: 21.29 min Scan# 3094

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

Instrument :

BNA_M

ClientSampleId :

C0AC5

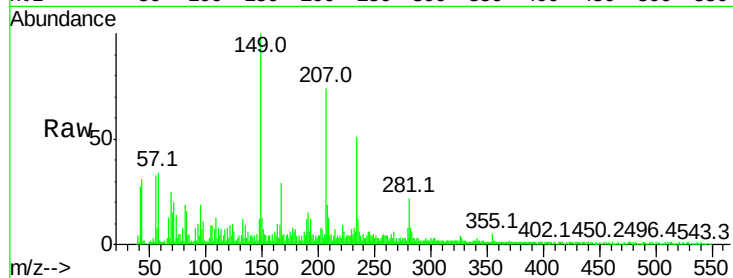
Tot Ion:149 Resp: 146234

Ion Ratio Lower Upper

149 100

167 28.8 22.8 34.2

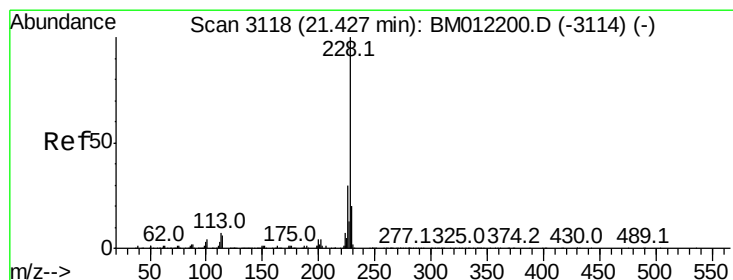
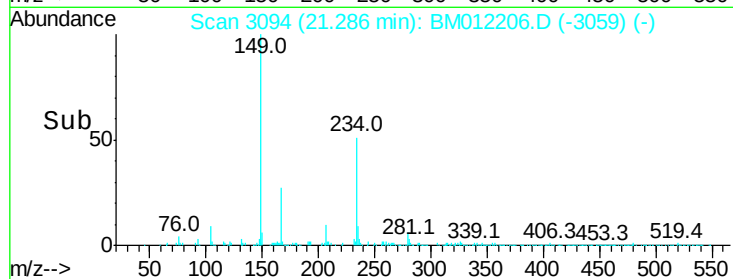
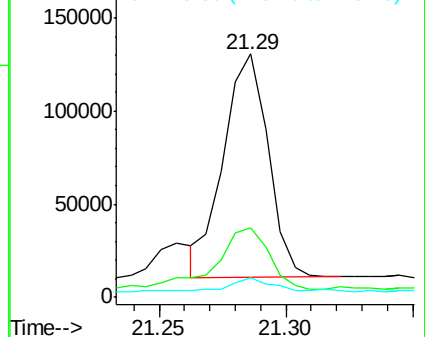
279 7.8 4.9 7.3#



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



#82

Chrysene

Concen: 21.720 ng/ul

RT: 21.43 min Scan# 3119

Delta R.T. 0.01 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

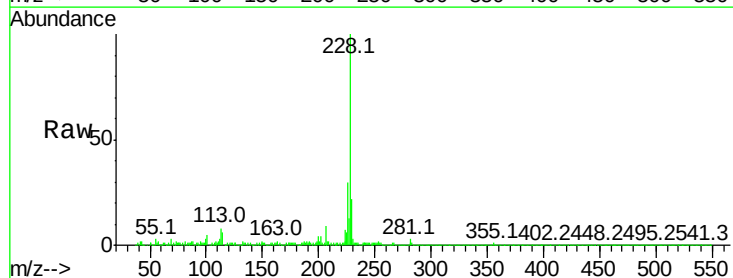
Tgt Ion:228 Resp: 1703801

Ion Ratio Lower Upper

228 100

226 30.3 23.4 35.2

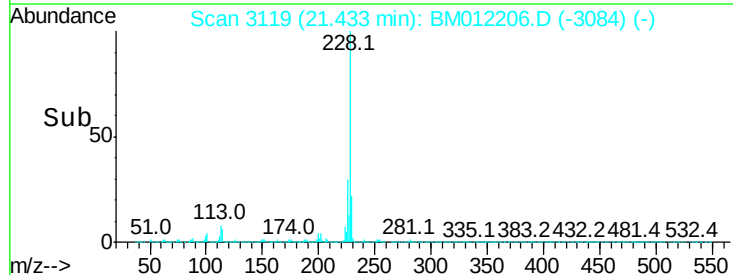
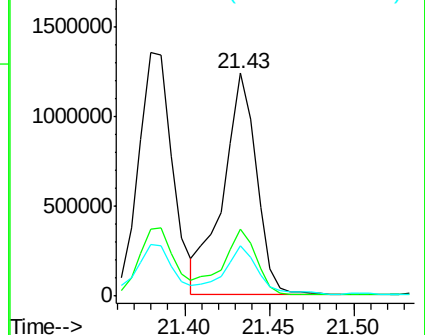
229 22.4 15.5 23.3

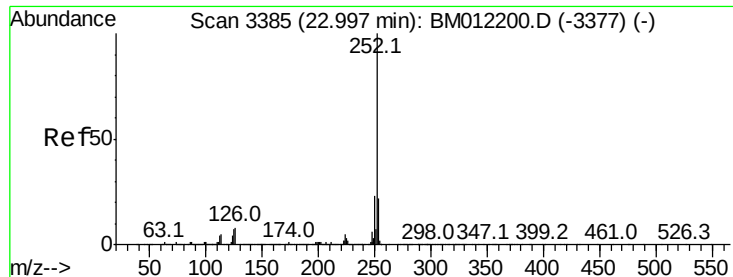


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 29.576 ng/ul

RT: 23.02 min Scan# 3388

Delta R.T. 0.02 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

Instrument :

BNA_M

ClientSampleId :

C0AC5

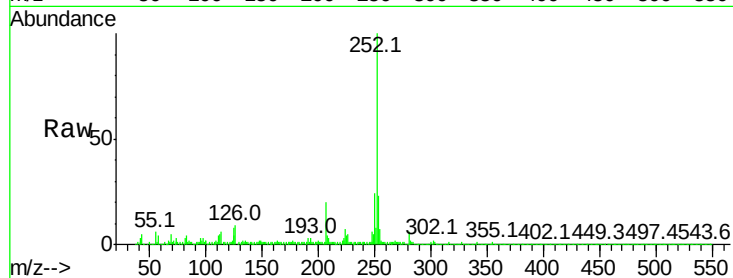
Tot Ion:252 Resp: 2170034

Ion Ratio Lower Upper

252 100

253 22.7 17.9 26.9

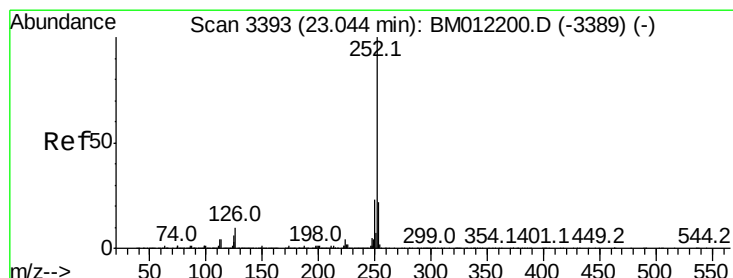
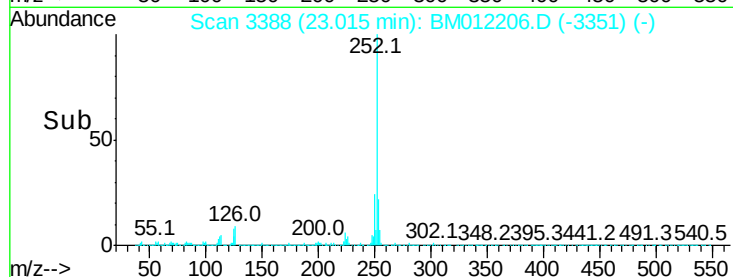
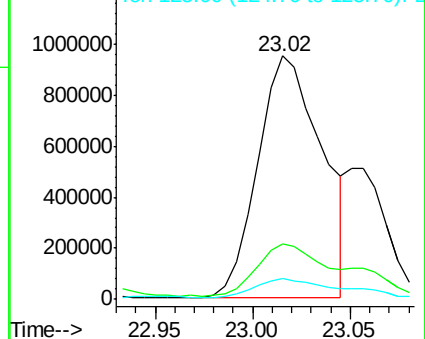
125 8.4 3.6 5.4#



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



#86

Benzo(k)fluoranthene

Concen: 30.691 ng/ul

RT: 23.02 min Scan# 3388

Delta R.T. -0.03 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

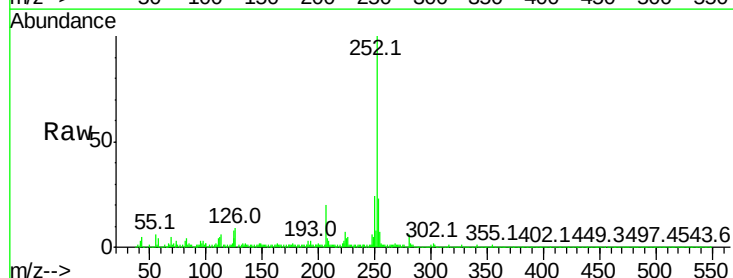
Tgt Ion:252 Resp: 2170034

Ion Ratio Lower Upper

252 100

253 22.7 17.1 25.7

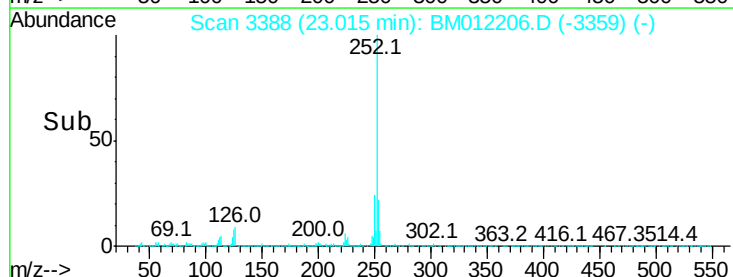
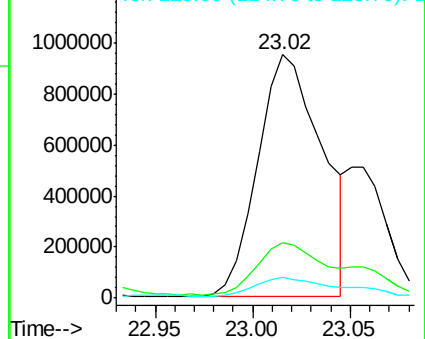
125 8.4 3.4 5.2#

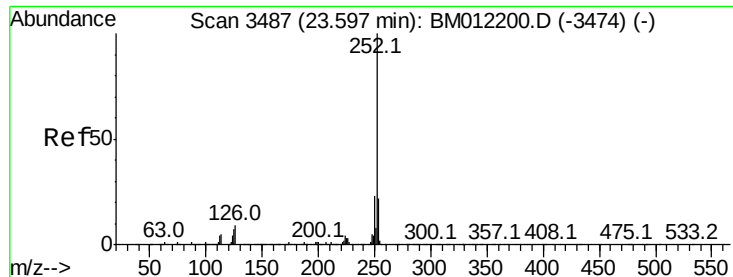


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 22.004 ng/ul

RT: 23.62 min Scan# 3490

Delta R.T. 0.02 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

Instrument :

BNA_M

ClientSampleId :

C0AC5

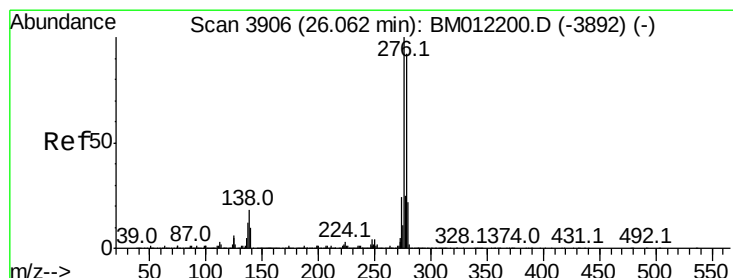
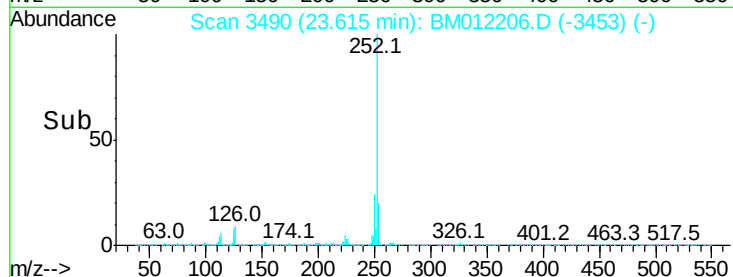
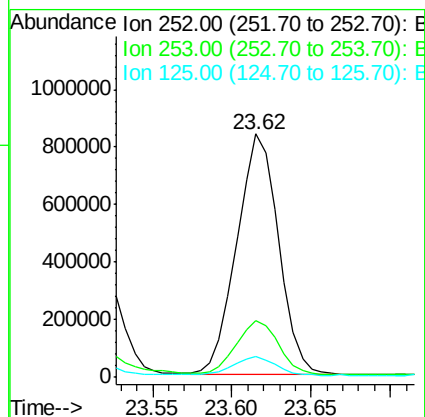
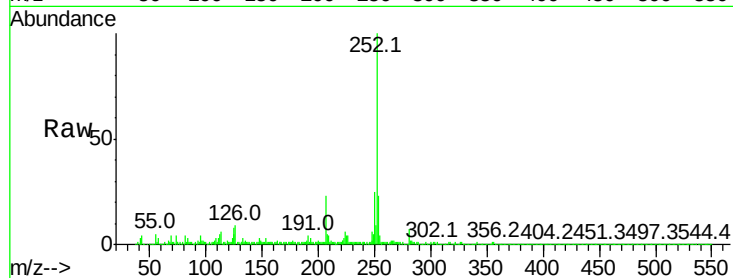
Tot Ion:252 Resp: 1521609

Ion Ratio Lower Upper

252 100

253 23.4 18.2 27.2

125 8.5 4.0 6.0#



#89

Indeno(1,2,3-cd)pyrene

Concen: 12.672 ng/ul

RT: 26.09 min Scan# 3911

Delta R.T. 0.03 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

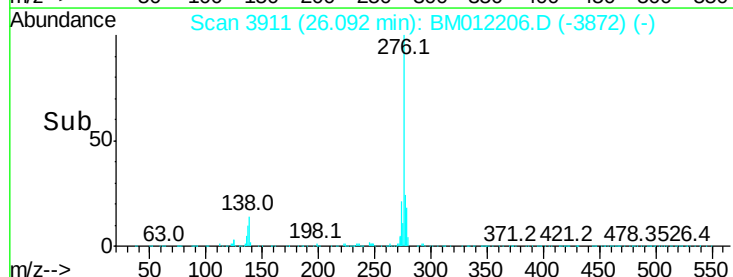
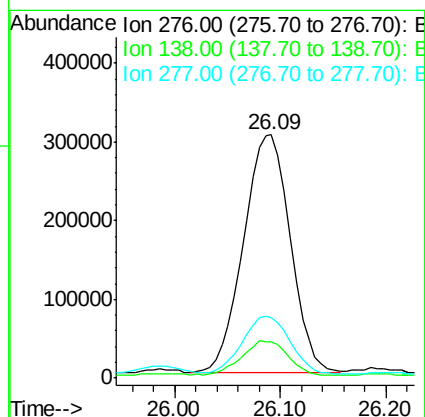
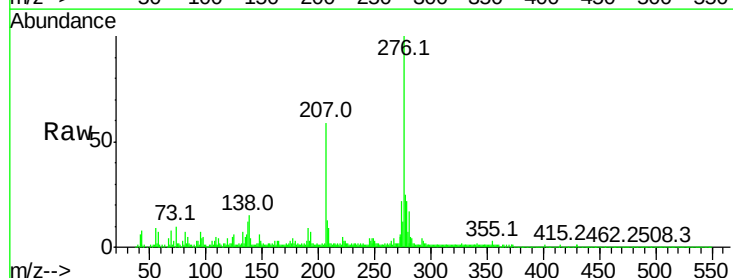
Tgt Ion:276 Resp: 930615

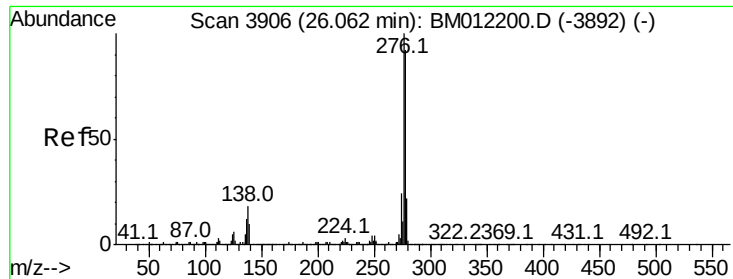
Ion Ratio Lower Upper

276 100

138 14.7 9.3 13.9#

277 25.0 19.9 29.9





#90

Dibenzo(a,h)anthracene

Concen: 4.047 ng/ul

RT: 26.08 min Scan# 3909

Delta R.T. 0.02 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

Instrument :

BNA_M

ClientSampleId :

C0AC5

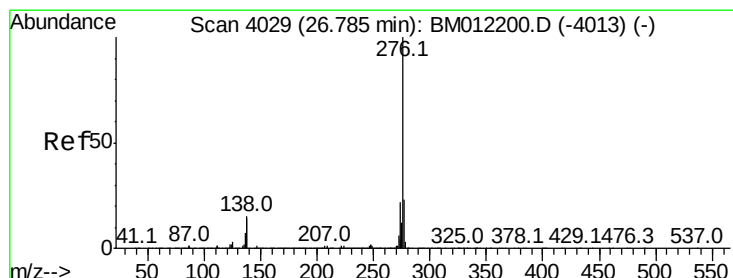
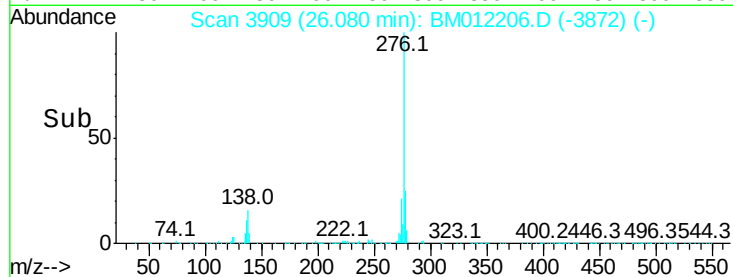
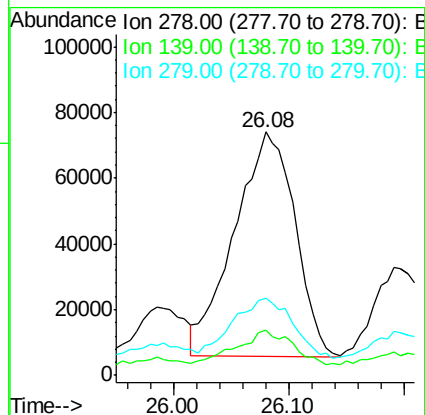
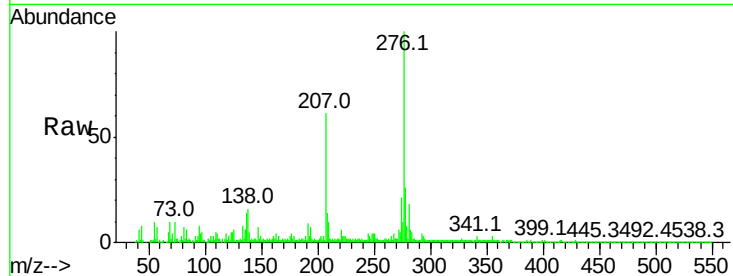
Tot Ion:278 Resp: 249844

Ion Ratio Lower Upper

278 100

139 18.4 5.8 8.8#

279 31.7 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 13.124 ng/ul

RT: 26.82 min Scan# 4035

Delta R.T. 0.04 min

Lab File: BM012206.D

Acq: 15 Oct 2017 13:24

Tgt Ion:276 Resp: 789344

Ion Ratio Lower Upper

276 100

138 16.1 8.5 12.7#

277 25.8 18.6 28.0

