

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101417\
 Data File : BM012189.D
 Acq On : 15 Oct 2017 02:30
 Operator : SJ/JU
 Sample : I5522-22
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 C0AD0

Quant Time: Oct 15 06:28:55 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Oct 15 06:19:21 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	166982	20.00	ng/ul	0.00
18) Naphthalene-d8	10.62	136	745949	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.46	164	481734	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.21	188	1169616	20.00	ng/ul	0.00
75) Chrysene-d12	21.39	240	1087723	20.00	ng/ul	0.00
83) Perylene-d12	23.70	264	924902	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.22	96	14615	4.16	ng/uL	0.00
5) Phenol-d5	6.98	99	358612	26.47	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.14	67	213218	26.24	ng/ul	0.00
9) 2-Chlorophenol-d4	7.34	132	330575	28.77	ng/ul	0.00
13) 4-Methylphenol-d8	8.53	113	300869	25.79	ng/ul	0.00
19) Nitrobenzene-d5	8.98	128	169233	29.73	ng/ul	0.00
22) 2-Nitrophenol-d4	9.70	143	207116	31.14	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.24	165	400065	31.50	ng/ul	0.00
29) 4-Chloroaniline-d4	10.76	131	276180	23.24	ng/ul	0.00
43) Dimethylphthalate-d6	13.87	166	1345386	31.60	ng/ul	0.00
46) Acenaphthylene-d8	14.16	160	1662646	32.26	ng/ul	0.00
51) 4-Nitrophenol-d4	14.69	143	137498	21.48	ng/ul	0.00
57) Fluorene-d10	15.46	176	1184295	33.89	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	152198	18.96	ng/ul	0.00
70) Anthracene-d10	17.31	188	1828414	31.62	ng/ul	0.00
76) Pyrene-d10	19.60	212	2105112	38.13	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	1434753	32.18	ng/ul	0.00

Target Compounds

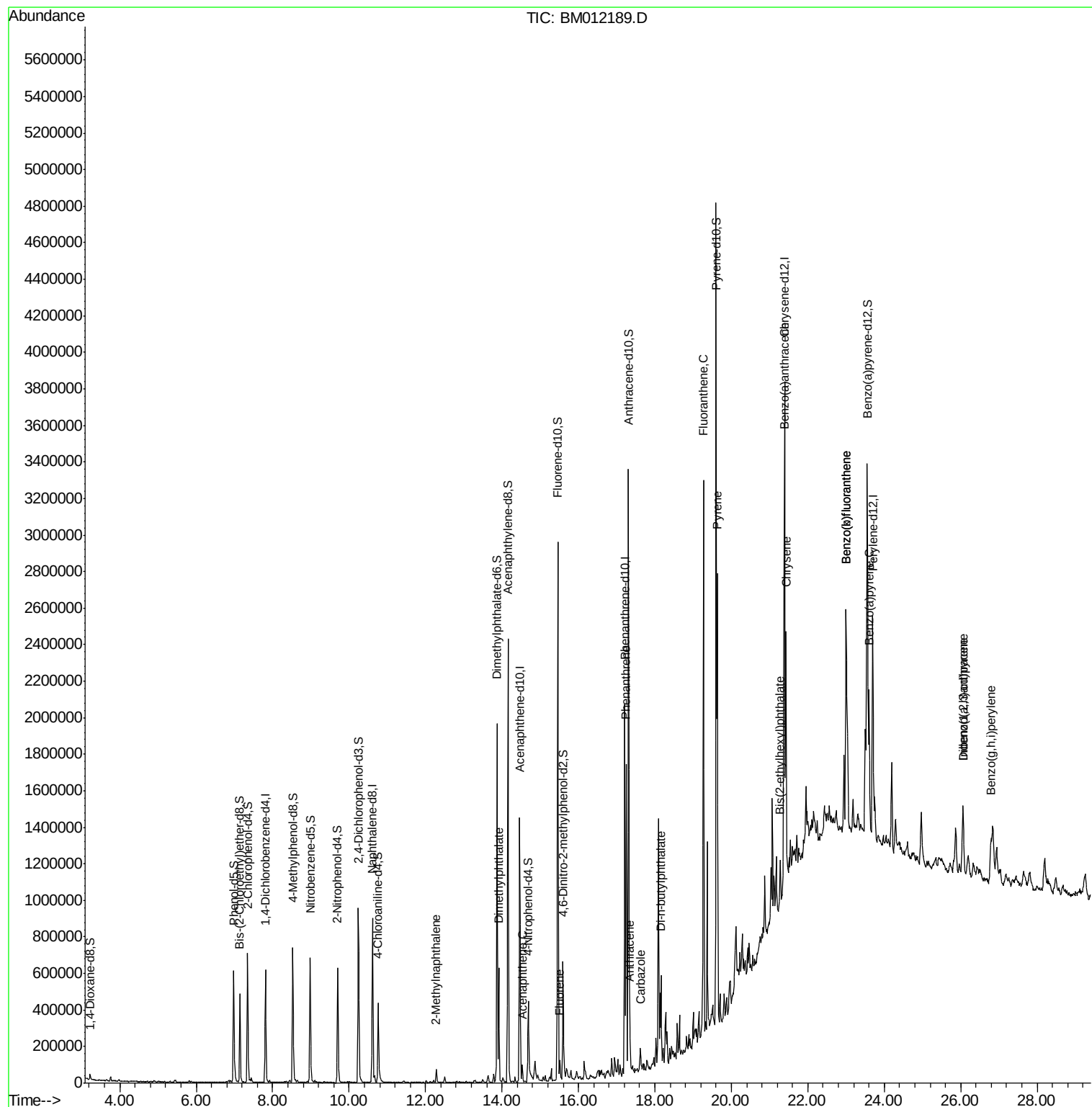
						Ovalue
34) 2-Methylnaphthalene	12.28	142	36806	1.26	ng/ul	96
44) Dimethylphthalate	13.92	163	380608	8.92	ng/ul	100
49) Acenaphthene	14.53	153	36403	1.07	ng/ul	97
58) Fluorene	15.51	166	42759	1.05	ng/ul	97
69) Phenanthrene	17.25	178	1018633	15.31	ng/ul	99
71) Anthracene	17.34	178	146747	2.13	ng/ul	98
72) Carbazole	17.62	167	84785	1.45	ng/ul	99
73) Di-n-butylphthalate	18.16	149	330697	4.09	ng/ul	98
74) Fluoranthene	19.27	202	1743558	21.71	ng/ul#	95
77) Pyrene	19.63	202	1493248	20.79	ng/ul#	94
80) Benzo(a)anthracene	21.37	228	746970	10.55	ng/ul	98
81) Bis(2-ethylhexyl)phthalate	21.28	149	64895	1.35	ng/ul	96
82) Chrysene	21.43	228	741866	11.16	ng/ul	98
85) Benzo(b)fluoranthene	23.00	252	894248	14.82	ng/ul#	97
86) Benzo(k)fluoranthene	23.00	252	894248	15.37	ng/ul#	95
88) Benzo(a)pyrene	23.60	252	567150	9.97	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	26.06	276	375651	6.22	ng/ul	98
90) Dibenzo(a,h)anthracene	26.06	278	103208	2.03	ng/ul#	80
91) Benzo(g,h,i)perylene	26.79	276	301964	6.10	ng/ul#	93

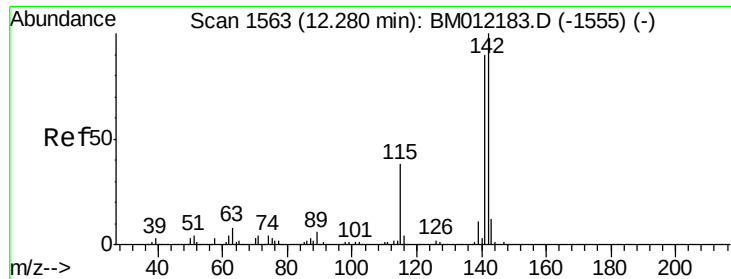
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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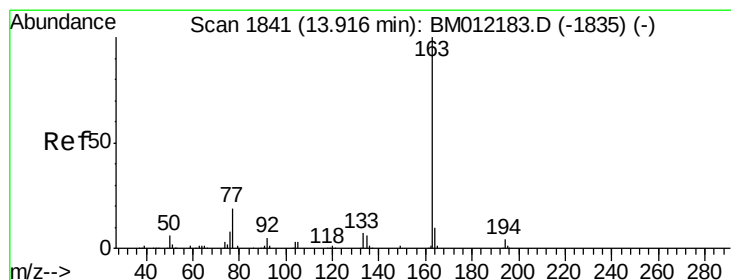
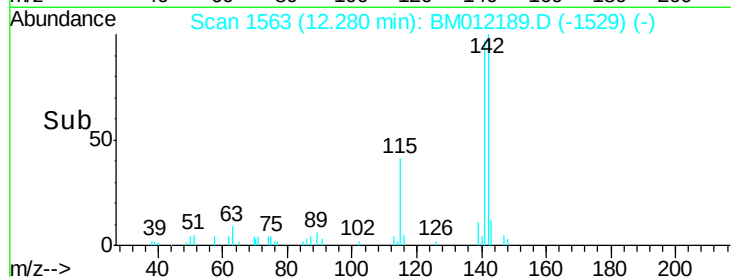
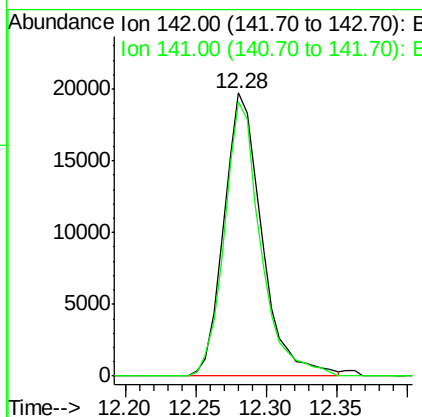
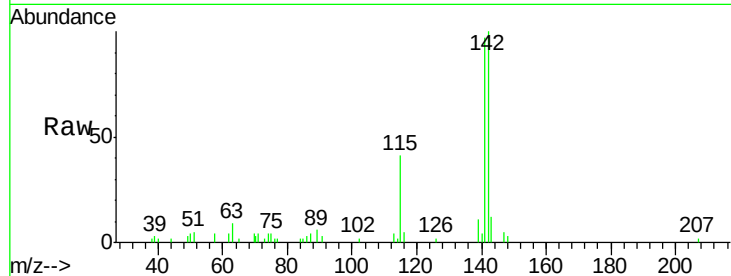




#34
 2-Methylnaphthalene
 Concen: 1.26 ng/ul
 RT: 12.28 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: BM012189.D
 Acq: 15 Oct 2017 02:30

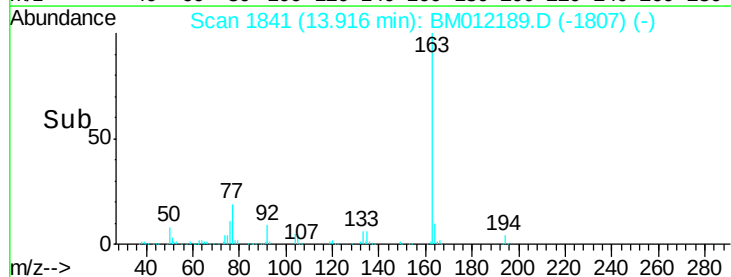
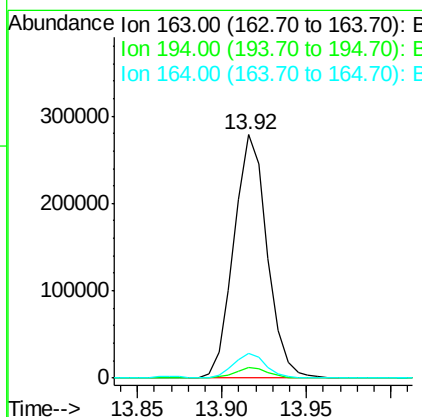
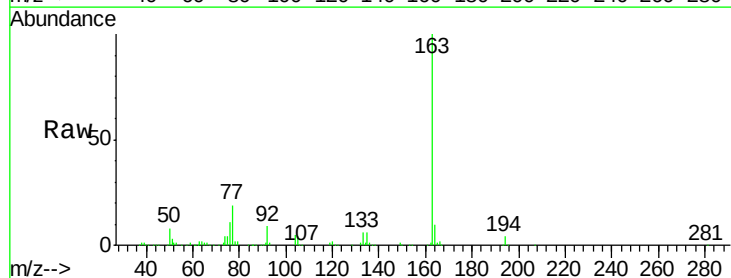
Instrument :
 BNA_M
 ClientSampleId :
 C0AD0

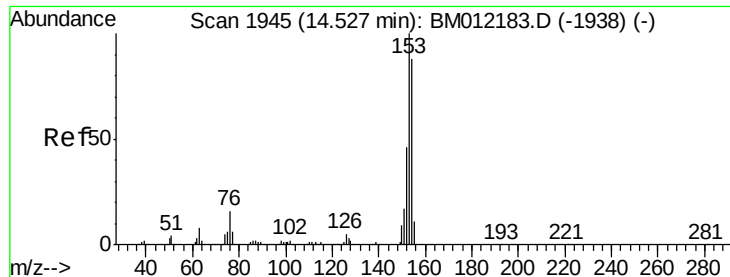
Tot Ion:142 Resp: 36806
 Ion Ratio Lower Upper
 142 100
 141 96.8 74.1 111.1



#44
 Dimethylphthalate
 Concen: 8.92 ng/ul
 RT: 13.92 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: BM012189.D
 Acq: 15 Oct 2017 02:30

Tgt Ion:163 Resp: 380608
 Ion Ratio Lower Upper
 163 100
 194 4.1 3.5 5.3
 164 10.2 8.2 12.4





#49

Acenaphthene

Concen: 1.07 ng/ul

RT: 14.53 min Scan# 1945

Delta R.T. -0.00 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

Instrument :

BNA_M

ClientSampleId :

C0AD0

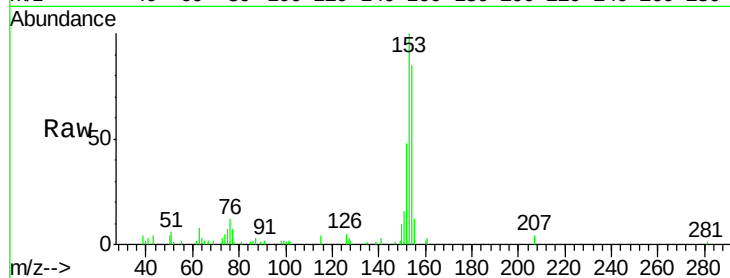
Tot Ion:153 Resp: 36403

Ion Ratio Lower Upper

153 100

152 48.2 37.6 56.4

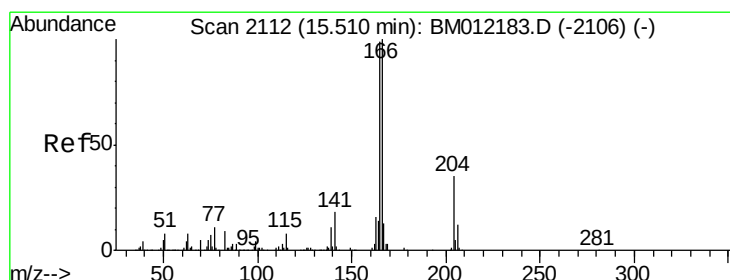
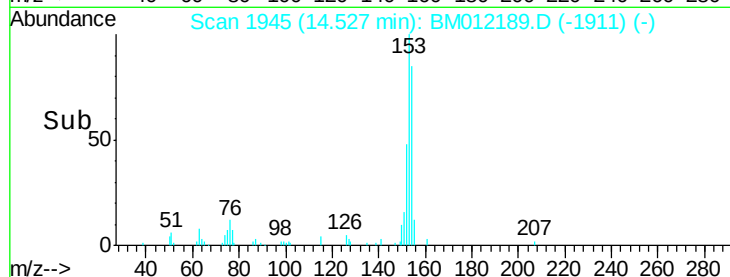
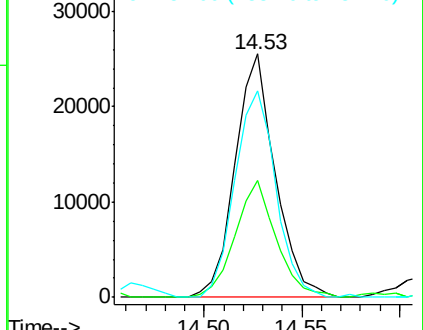
154 84.6 70.4 105.6



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



#58

Fluorene

Concen: 1.05 ng/ul

RT: 15.51 min Scan# 2112

Delta R.T. -0.00 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

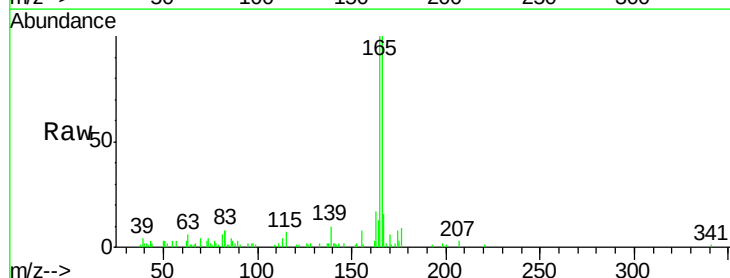
Tgt Ion:166 Resp: 42759

Ion Ratio Lower Upper

166 100

165 99.9 77.9 116.9

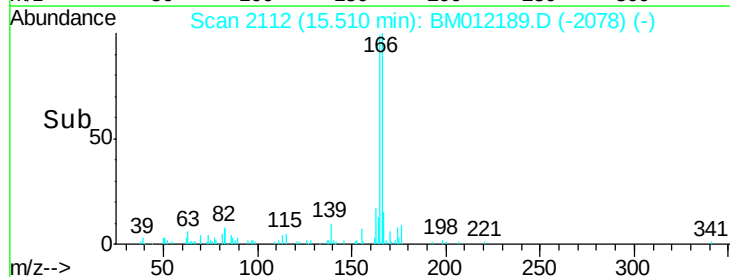
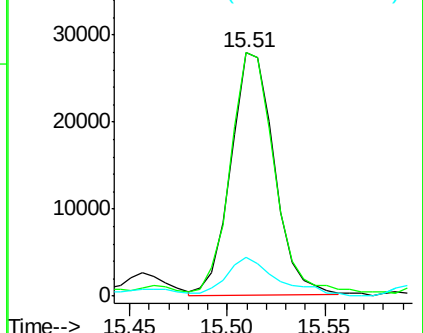
167 15.7 10.6 16.0

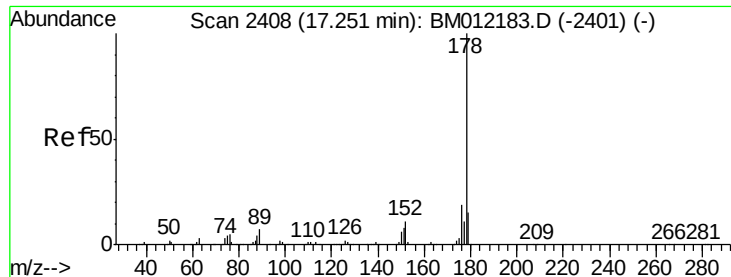


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#69

Phenanthrene

Concen: 15.31 ng/ul

RT: 17.25 min Scan# 2408

Delta R.T. -0.00 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

Instrument :

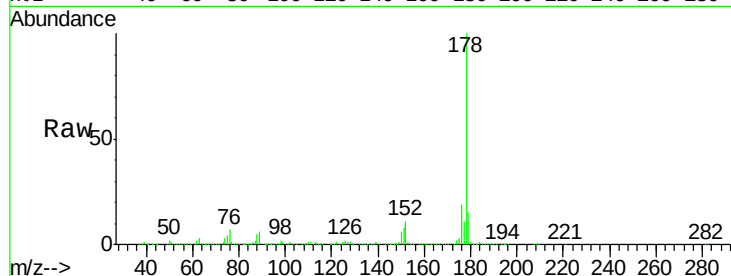
BNA_M

ClientSampleId :

C0AD0

Tot Ion:178 Resp: 1018633

Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.6	19.0
176	19.1	14.9	22.3

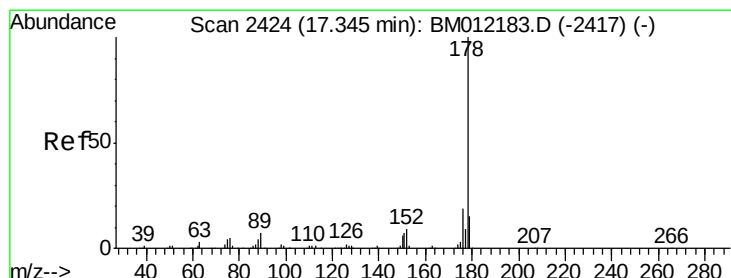
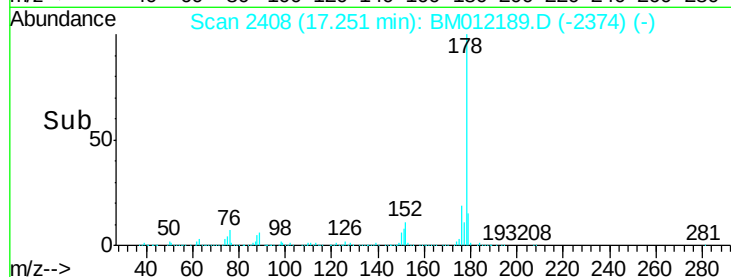
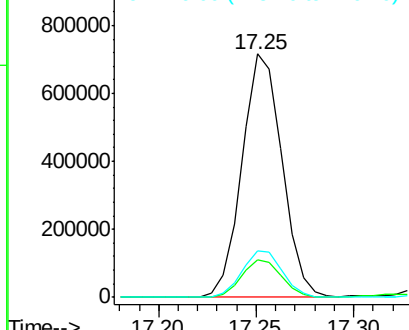


Abundance

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: 2.13 ng/ul

RT: 17.34 min Scan# 2424

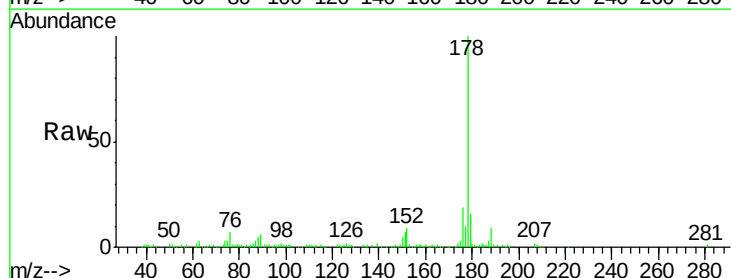
Delta R.T. -0.00 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

Tgt Ion:178 Resp: 146747

Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.7	17.5
176	19.1	14.6	21.8

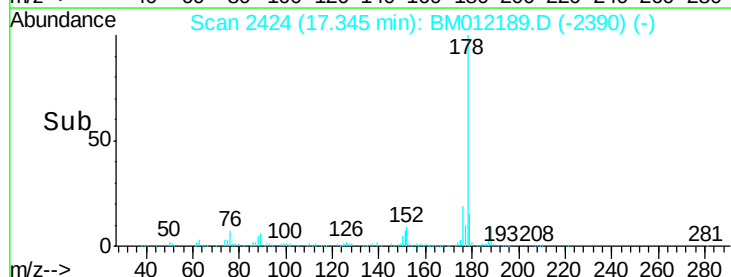
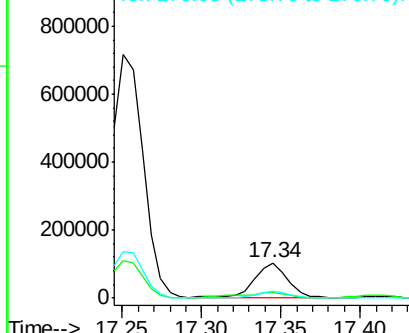


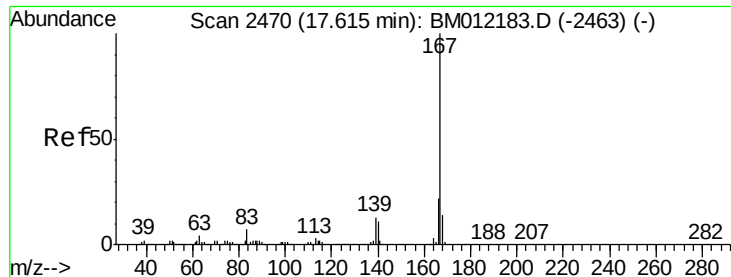
Abundance

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: 1.45 ng/ul

RT: 17.62 min Scan# 2471

Delta R.T. 0.01 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

Instrument :

BNA_M

ClientSampleId :

C0AD0

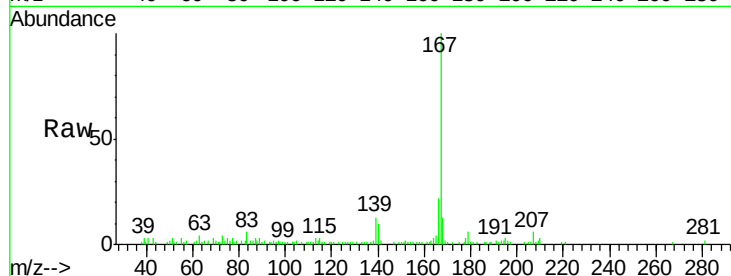
Tot Ion:167 Resp: 84785

Ion Ratio Lower Upper

167 100

166 21.9 17.1 25.7

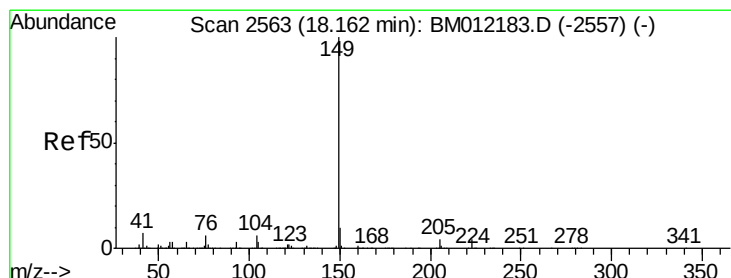
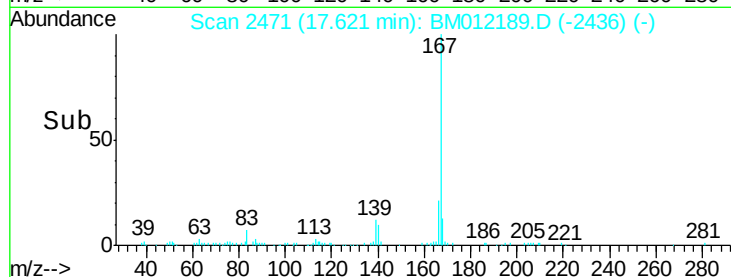
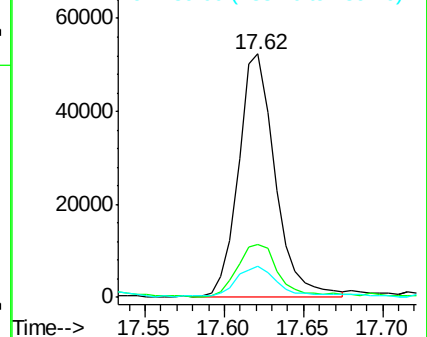
139 13.0 10.0 15.0



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



#73

Di-n-butylphthalate

Concen: 4.09 ng/ul

RT: 18.16 min Scan# 2563

Delta R.T. -0.00 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

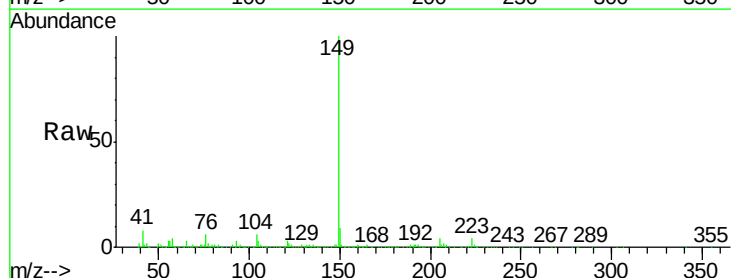
Tgt Ion:149 Resp: 330697

Ion Ratio Lower Upper

149 100

150 9.2 7.1 10.7

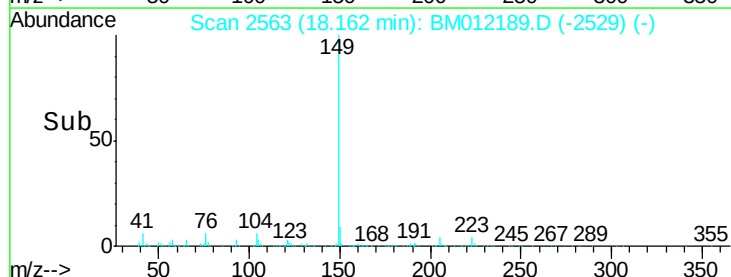
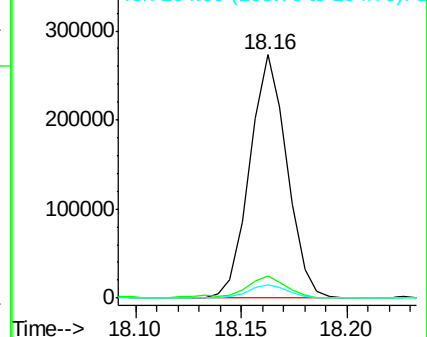
104 5.6 5.6 8.4

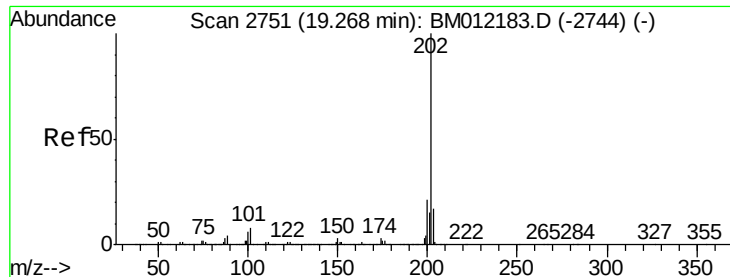


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 21.71 ng/ul

RT: 19.27 min Scan# 2751

Delta R.T. -0.00 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

Instrument :

BNA_M

ClientSampleId :

C0AD0

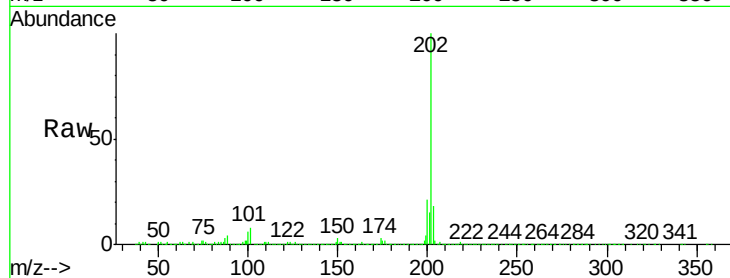
Tot Ion:202 Resp: 1743558

Ion Ratio Lower Upper

202 100

101 7.6 4.6 7.0#

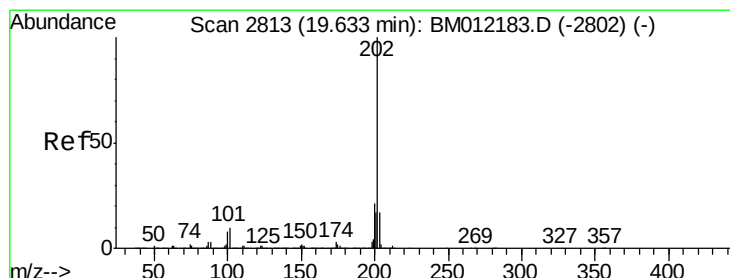
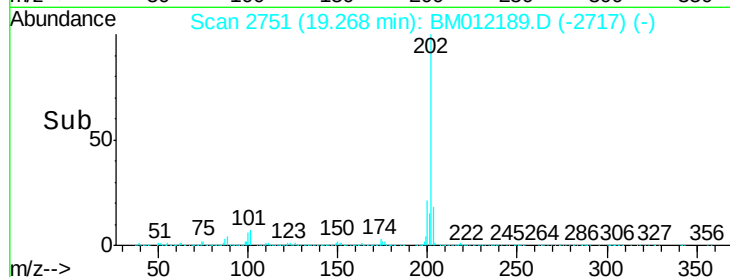
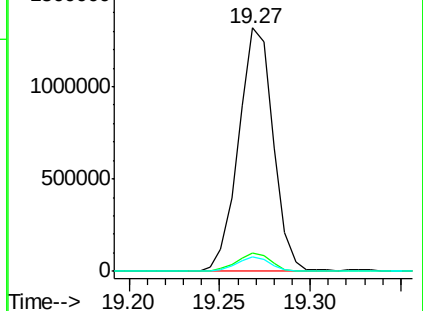
100 6.1 3.4 5.2#



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

Pyrene

Concen: 20.79 ng/ul

RT: 19.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

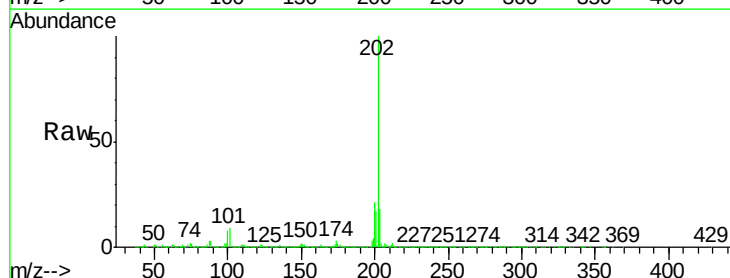
Tgt Ion:202 Resp: 1493248

Ion Ratio Lower Upper

202 100

101 8.9 5.1 7.7#

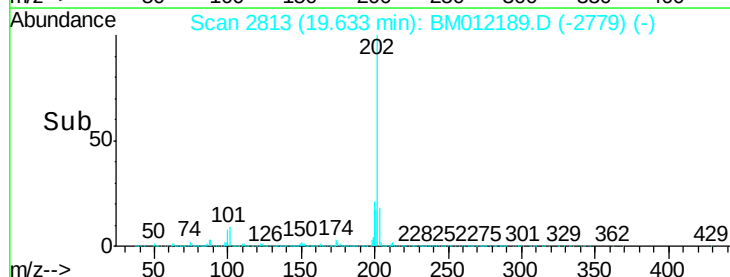
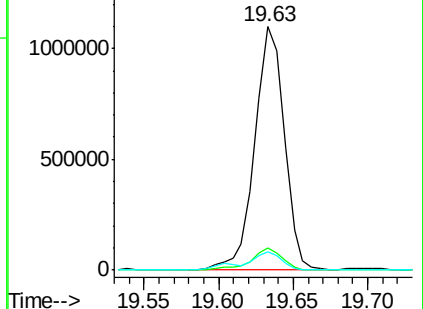
100 7.7 4.9 7.3#

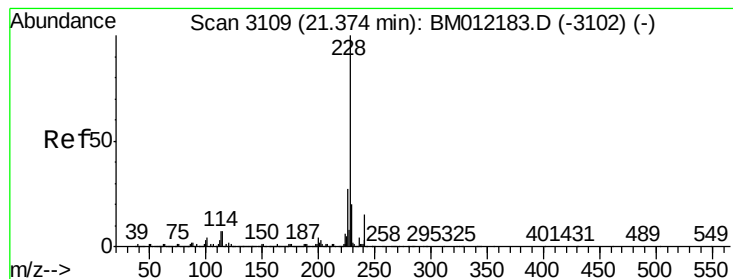


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 10.55 ng/ul

RT: 21.37 min Scan# 3109

Delta R.T. -0.00 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

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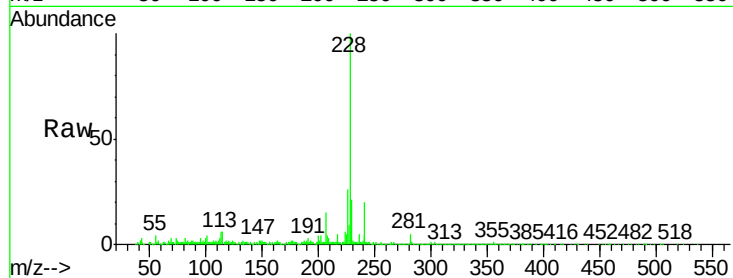
Tot Ion:228 Resp: 746970

Ion	Ratio	Lower	Upper
228	100		
229	21.0	15.4	23.0
226	26.2	21.4	32.0

228 100

229 21.0 15.4 23.0

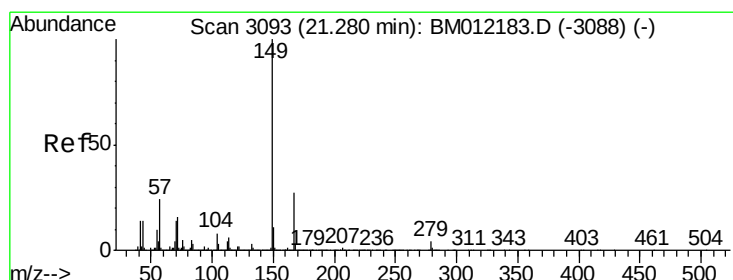
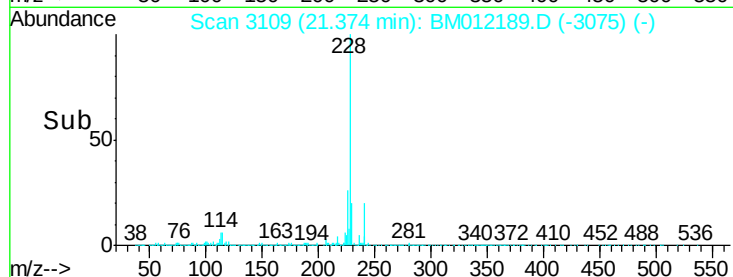
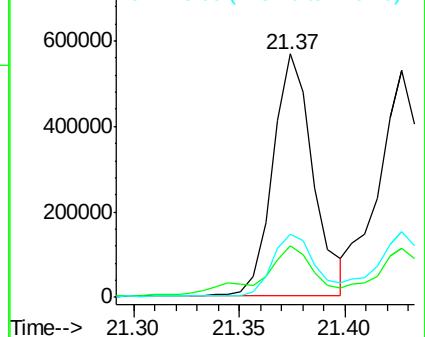
226 26.2 21.4 32.0



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: 1.35 ng/ul

RT: 21.28 min Scan# 3093

Delta R.T. -0.00 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

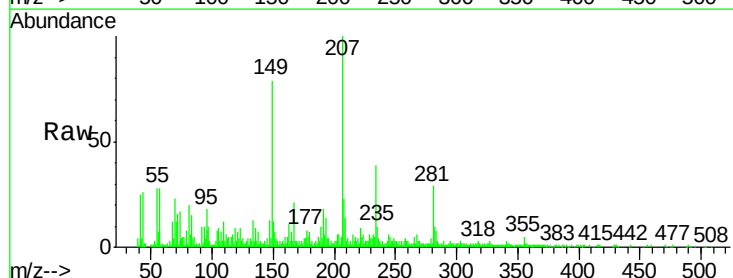
Tgt Ion:149 Resp: 64895

Ion	Ratio	Lower	Upper
149	100		
167	26.1	22.8	34.2
279	5.2	4.9	7.3

149 100

167 26.1 22.8 34.2

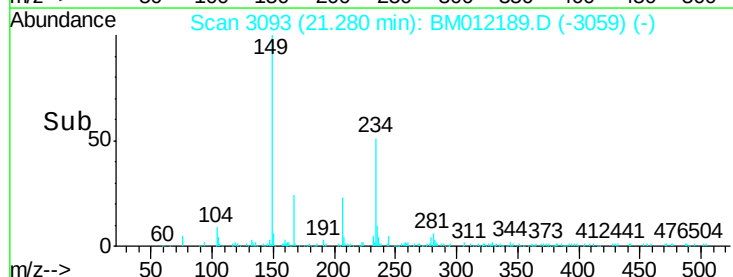
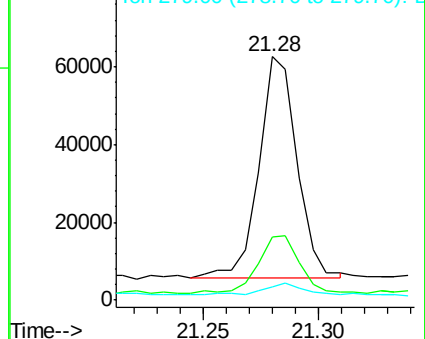
279 5.2 4.9 7.3

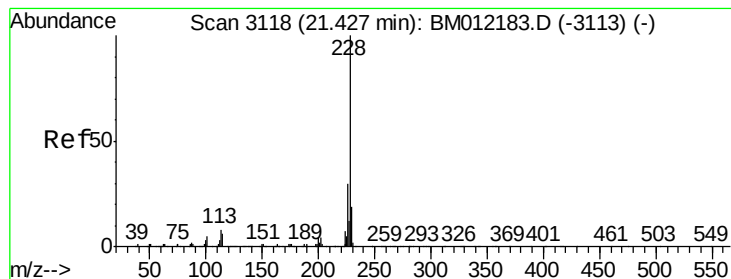


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#82

Chrysene

Concen: 11.16 ng/ul

RT: 21.43 min Scan# 3118

Delta R.T. -0.00 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

Instrument :

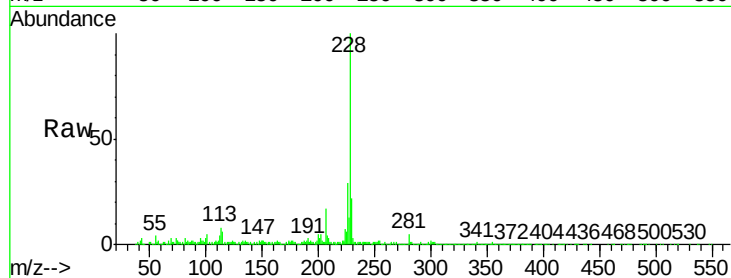
BNA_M

ClientSampleId :

C0AD0

Tot Ion:228 Resp: 741866

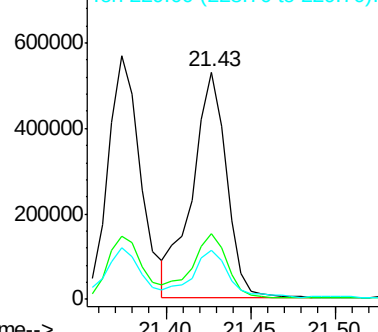
Ion	Ratio	Lower	Upper
228	100		
226	29.2	23.4	35.2
229	21.7	15.5	23.3



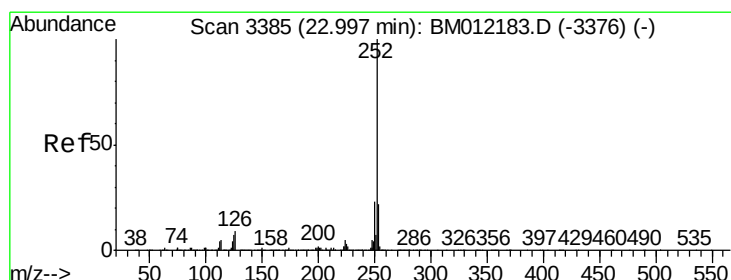
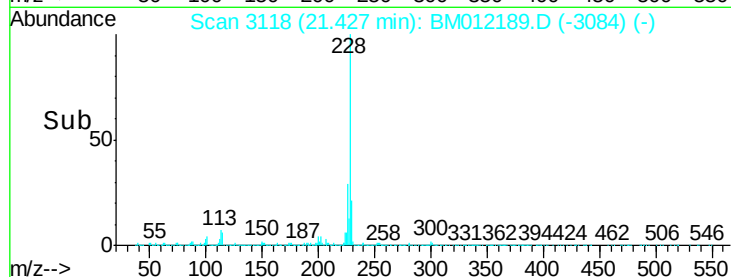
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#85

Benzo(b)fluoranthene

Concen: 14.82 ng/ul

RT: 23.00 min Scan# 3386

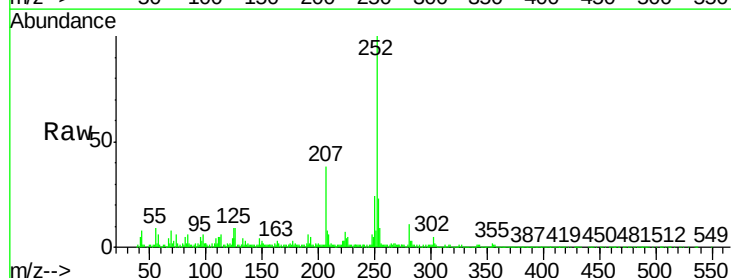
Delta R.T. 0.01 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

Tgt Ion:252 Resp: 894248

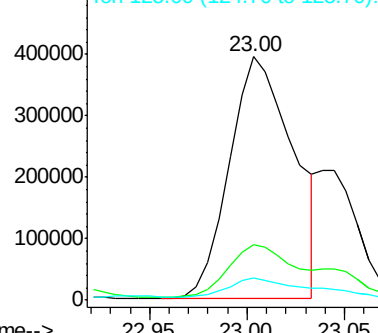
Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.9	26.9
125	9.1	3.6	5.4



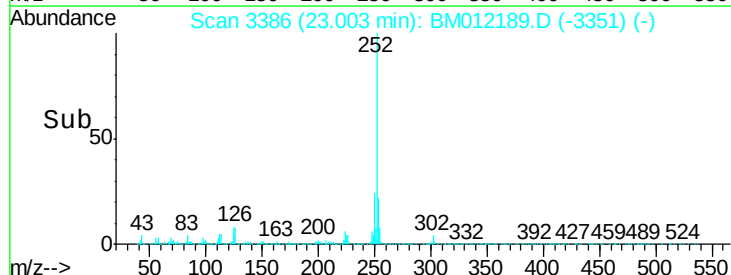
Abundance Ion 252.00 (251.70 to 252.70): E

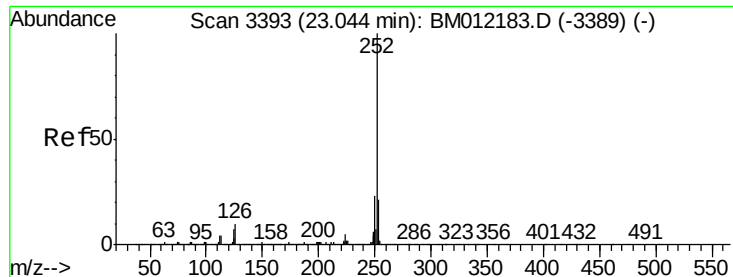
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#86

Benzo(k)fluoranthene

Concen: 15.37 ng/ul

RT: 23.00 min Scan# 3386

Delta R.T. -0.04 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

Instrument :

BNA_M

ClientSampleId :

C0AD0

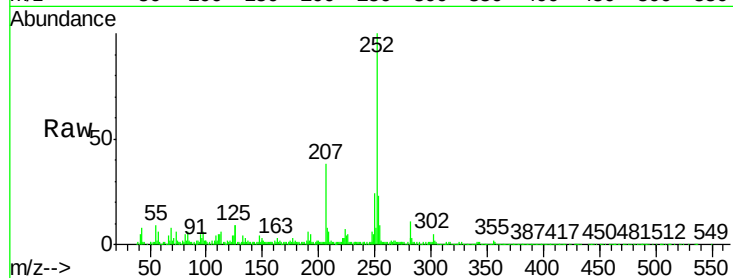
Tot Ion:252 Resp: 894248

Ion Ratio Lower Upper

252 100

253 22.8 17.1 25.7

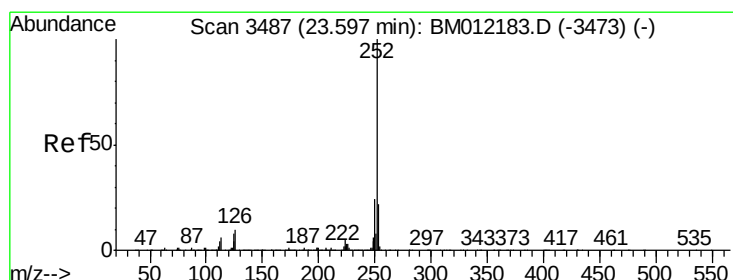
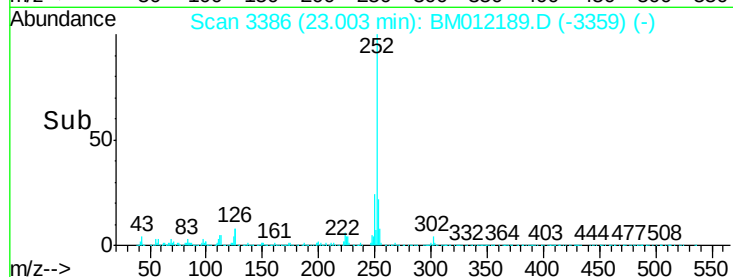
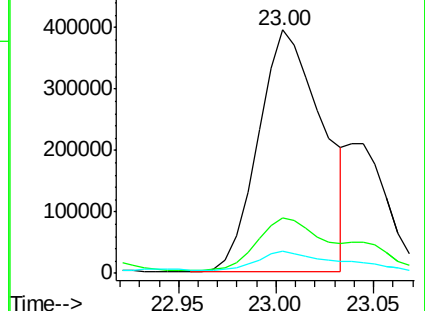
125 9.1 3.4 5.2#



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: 9.97 ng/ul

RT: 23.60 min Scan# 3488

Delta R.T. 0.01 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

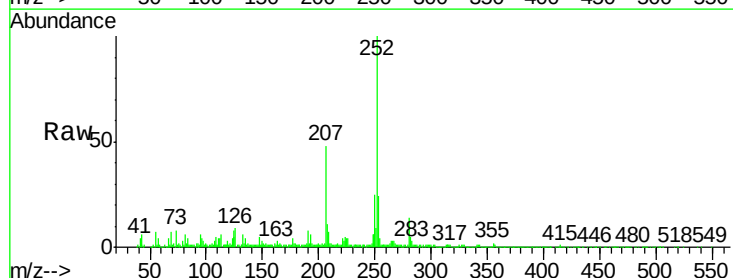
Tgt Ion:252 Resp: 567150

Ion Ratio Lower Upper

252 100

253 23.7 18.2 27.2

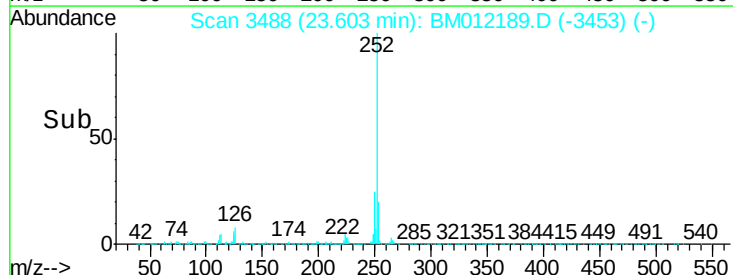
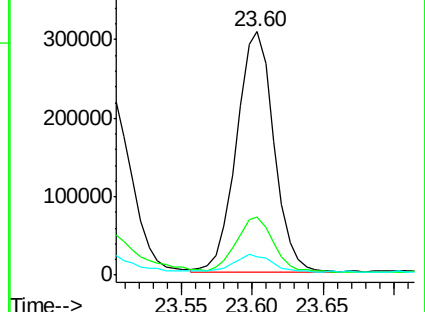
125 7.8 4.0 6.0#

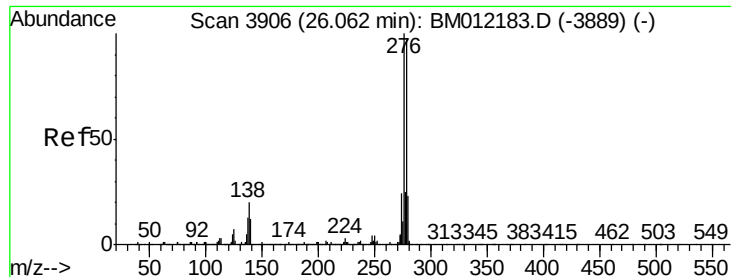


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



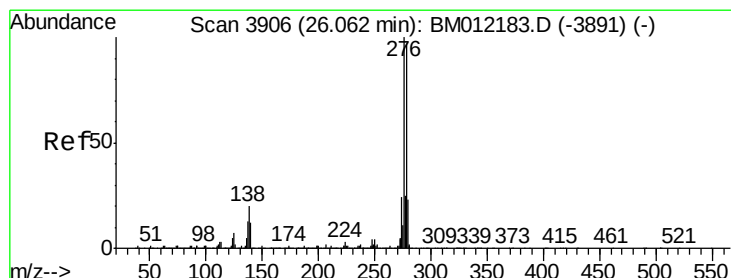
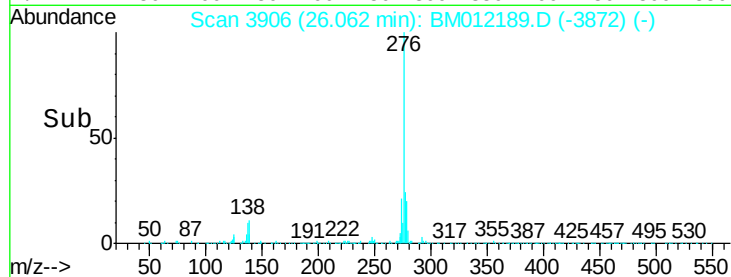
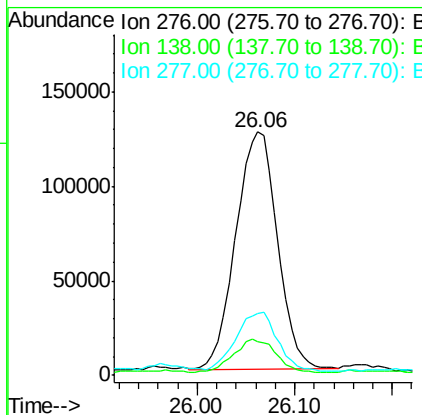
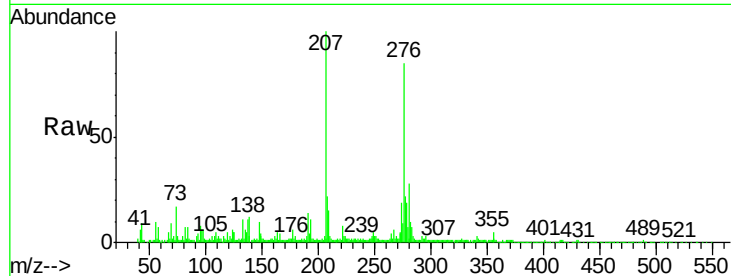


#89

Indeno(1,2,3-cd)pyrene
Concen: 6.22 ng/ul
RT: 26.06 min Scan# 3906
Delta R.T. -0.00 min
Lab File: BM012189.D
Acq: 15 Oct 2017 02:30

Instrument :
BNA_M
ClientSampleId :
C0AD0

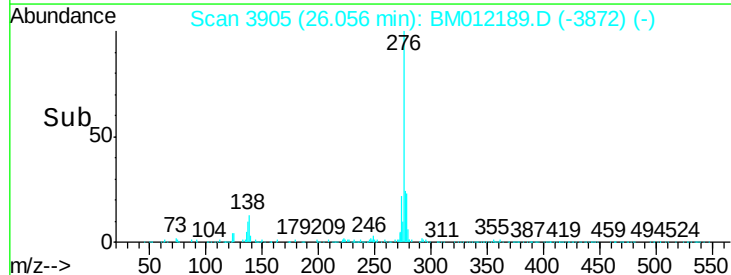
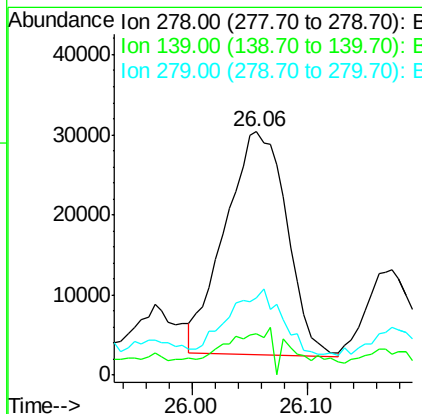
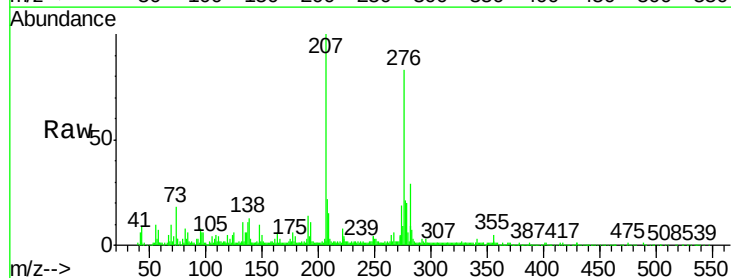
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.7	9.3	13.9
277	25.2	19.9	29.9

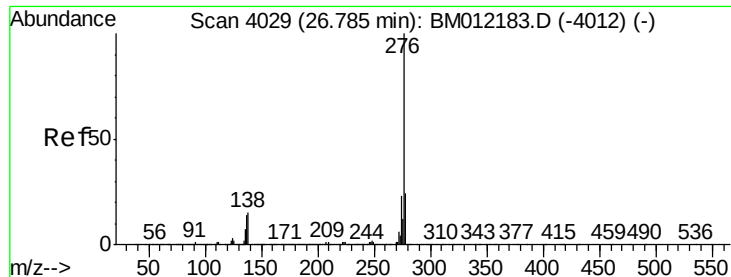


#90

Dibenzo(a,h)anthracene
Concen: 2.03 ng/ul
RT: 26.06 min Scan# 3905
Delta R.T. -0.01 min
Lab File: BM012189.D
Acq: 15 Oct 2017 02:30

Tgt Ion	Ratio	Lower	Upper
278	100		
139	16.9	5.8	8.8#
279	31.6	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 6.10 ng/ul

RT: 26.79 min Scan# 4030

Delta R.T. 0.01 min

Lab File: BM012189.D

Acq: 15 Oct 2017 02:30

Instrument :

BNA_M

ClientSampleId :

C0AD0

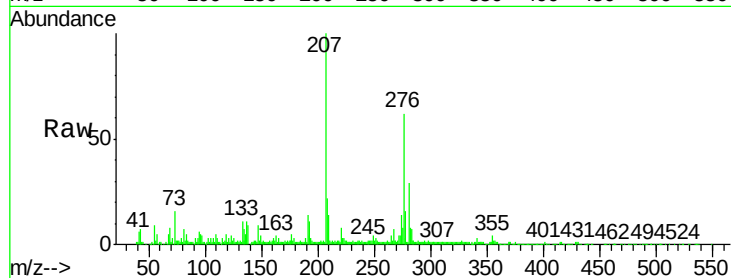
Tot Ion: 276 Resp: 301964

Ion Ratio Lower Upper

276 100

138 14.7 8.5 12.7#

277 25.8 18.6 28.0



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

