

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101217\
 Data File : BM012116.D
 Acq On : 13 Oct 2017 01:39
 Operator : SJ/JU
 Sample : I5490-04 5X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 13 05:04:49 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM101217.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Oct 13 04:53:53 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.83	152	334259	20.00	ng/ul	0.00
18) Naphthalene-d8	10.63	136	1418993	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.48	164	847431	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1960679	20.00	ng/ul	0.00
75) Chrysene-d12	21.40	240	1970485	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	1710093	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.25	96	5686	0.81	ng/uL	0.00
5) Phenol-d5	6.99	99	90878	3.35	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.16	67	62289	3.83	ng/ul	0.00
9) 2-Chlorophenol-d4	7.36	132	80747	3.51	ng/ul	0.00
13) 4-Methylphenol-d8	8.54	113	77284	3.31	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	38731	3.58	ng/ul	0.00
22) 2-Nitrophenol-d4	9.72	143	42333	3.35	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.26	165	81313	3.37	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	42110	1.86	ng/ul	0.01
43) Dimethylphthalate-d6	13.89	166	303502	4.05	ng/ul	0.00
46) Acenaphthylene-d8	14.17	160	354243	3.91	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	14502	1.29	ng/ul	0.03
57) Fluorene-d10	15.47	176	259128	4.22	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.60	200	23213	1.73	ng/ul	0.00
70) Anthracene-d10	17.32	188	410863	4.24	ng/ul	0.00
76) Pyrene-d10	19.62	212	451223	4.51	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.56	264	343401	4.17	ng/ul	0.00

Target Compounds

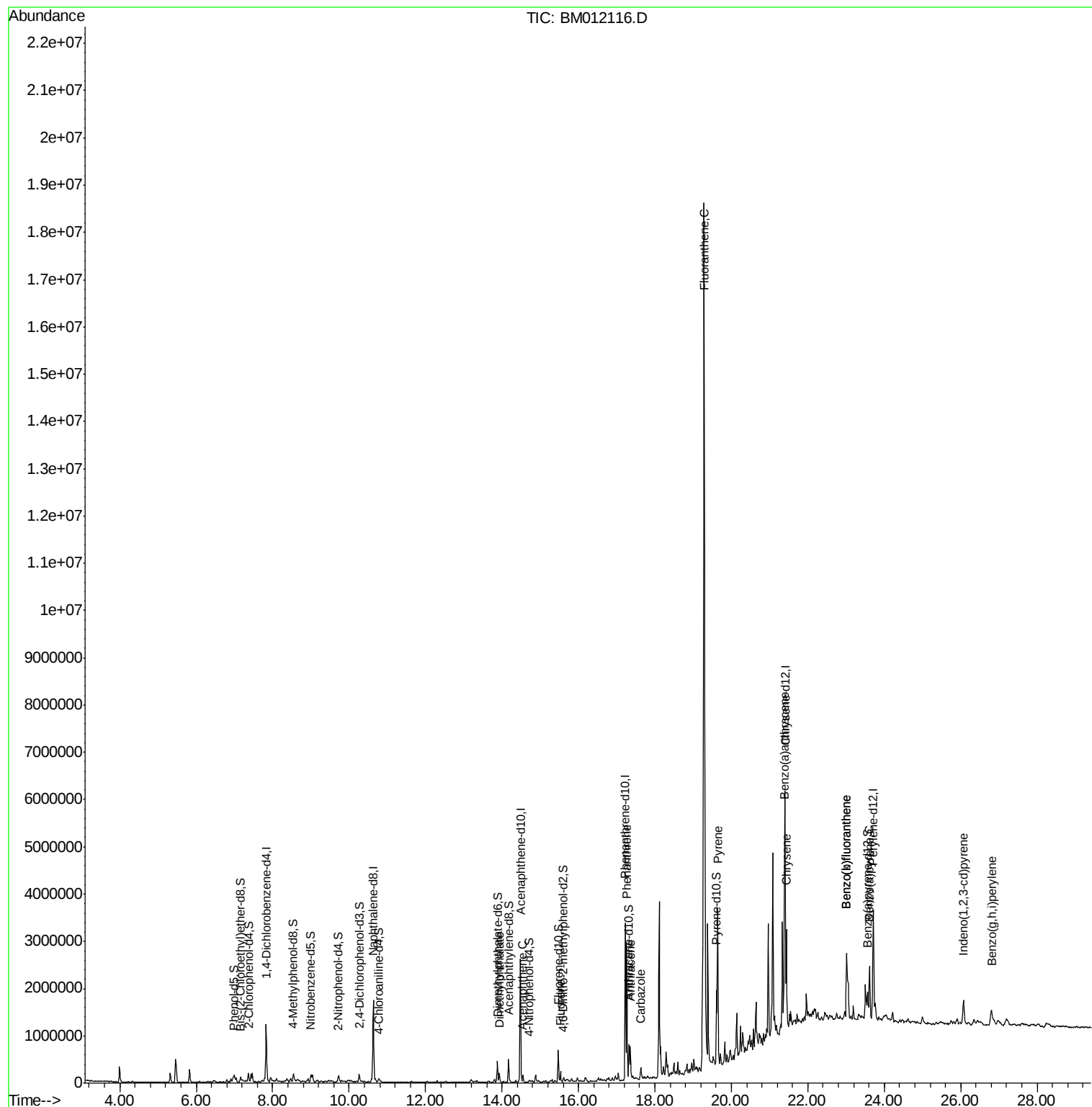
					Ovalue	
44) Dimethylphthalate	13.93	163	126412	1.685	ng/ul	98
49) Acenaphthene	14.54	153	63558	1.060	ng/ul	99
58) Fluorene	15.53	166	101028	1.409	ng/ul	99
69) Phenanthrene	17.26	178	1712856	15.357	ng/ul	99
71) Anthracene	17.36	178	435487	3.771	ng/ul	98
72) Carbazole	17.63	167	144199	1.476	ng/ul	95
74) Fluoranthene	19.28	202	2729636	20.279	ng/ul#	84
77) Pyrene	19.64	202	1996725	15.344	ng/ul#	90
80) Benzo(a)anthracene	21.39	228	1266007	9.874	ng/ul	97
82) Chrysene	21.44	228	1092392	9.075	ng/ul	96
85) Benzo(b)fluoranthene	23.02	252	1260654	11.296	ng/ul#	95
86) Benzo(k)fluoranthene	23.02	252	1260654	11.722	ng/ul#	93
88) Benzo(a)pyrene	23.62	252	859557	8.172	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.07	276	506624	4.536	ng/ul#	95
91) Benzo(g,h,i)perylene	26.80	276	403084	4.406	ng/ul#	93

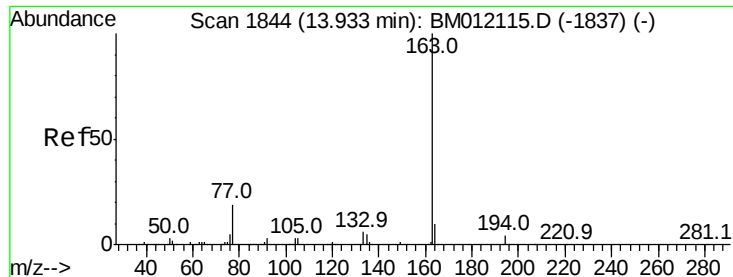
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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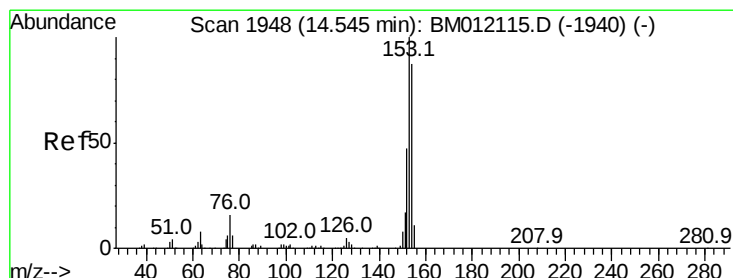
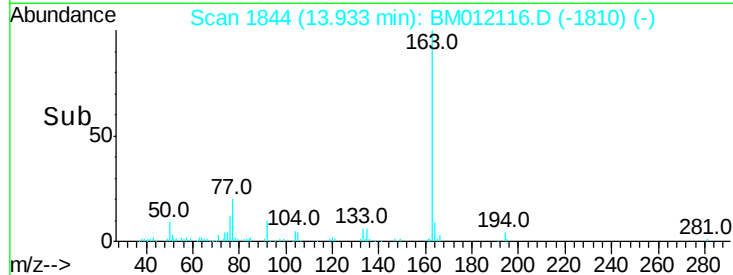
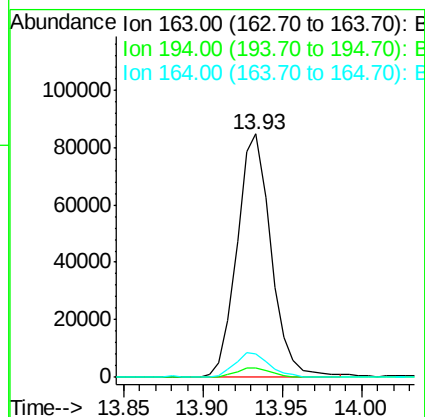
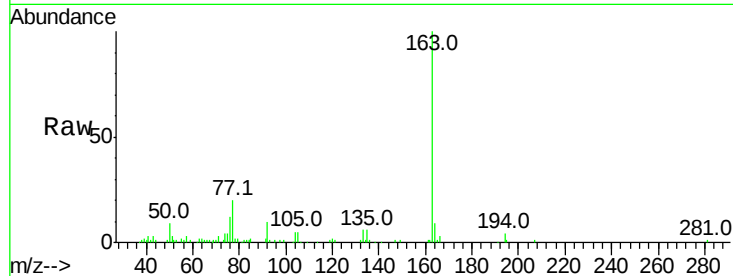




#44
Dimethylphthalate
Concen: 1.685 ng/ul
RT: 13.93 min Scan# 1844
Delta R.T. 0.00 min
Lab File: BM012116.D
Acq: 13 Oct 2017 01:39

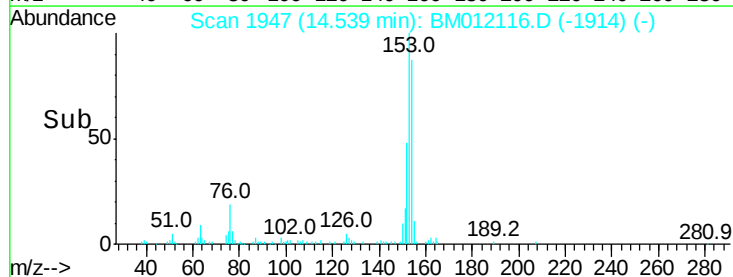
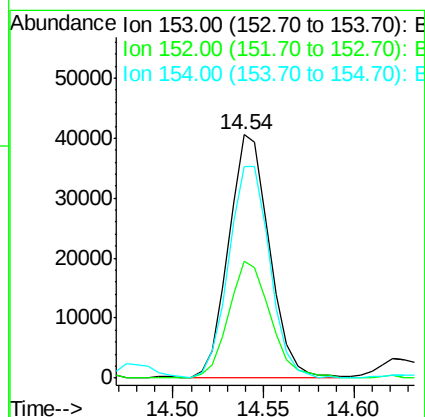
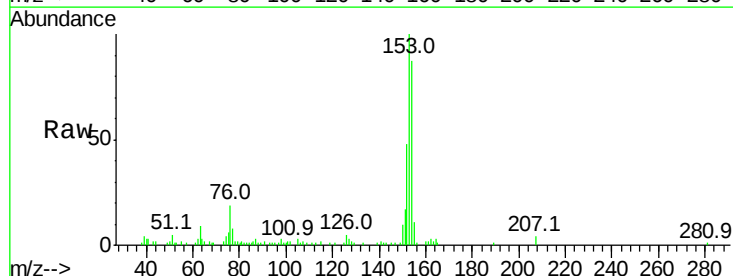
Instrument :
BNA_M
ClientSampled :

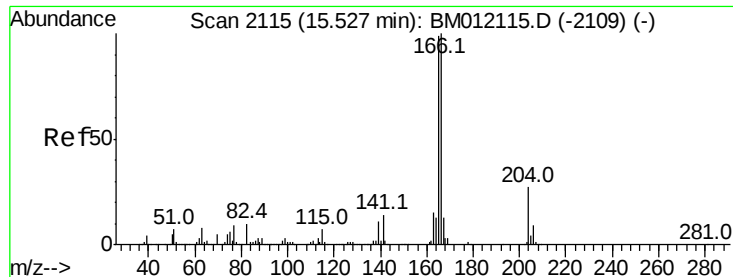
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.5	5.3
164	9.5	8.2	12.4



#49
Acenaphthene
Concen: 1.060 ng/ul
RT: 14.54 min Scan# 1947
Delta R.T. -0.01 min
Lab File: BM012116.D
Acq: 13 Oct 2017 01:39

Tgt Ion	Ratio	Lower	Upper
153	100		
152	47.9	37.6	56.4
154	86.9	70.4	105.6





#58

Fluorene

Concen: 1.409 ng/ul

RT: 15.53 min Scan# 2115

Delta R.T. 0.00 min

Lab File: BM012116.D

Acq: 13 Oct 2017 01:39

Instrument :

BNA_M

ClientSampleId :

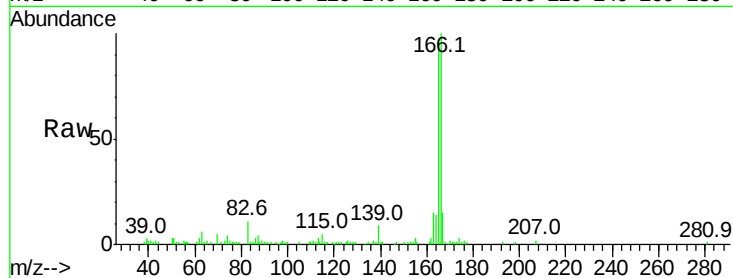
Tot Ion:166 Resp: 101028

Ion Ratio Lower Upper

166 100

165 96.7 77.9 116.9

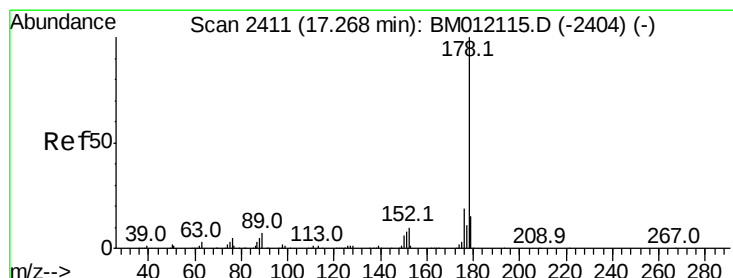
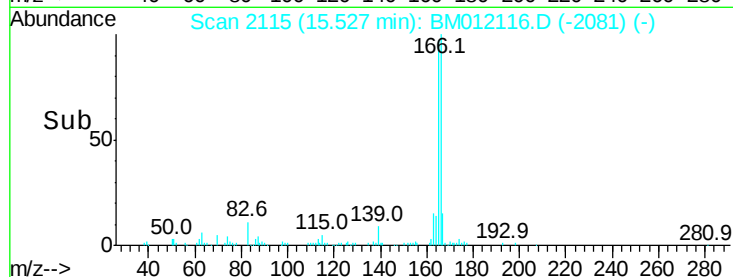
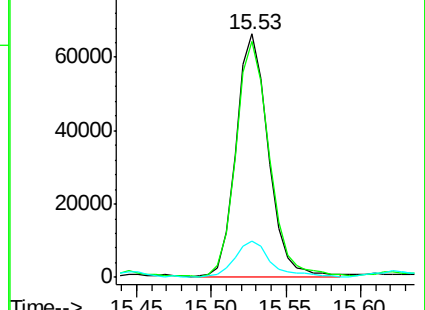
167 14.6 10.6 16.0



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: 15.357 ng/ul

RT: 17.26 min Scan# 2410

Delta R.T. -0.01 min

Lab File: BM012116.D

Acq: 13 Oct 2017 01:39

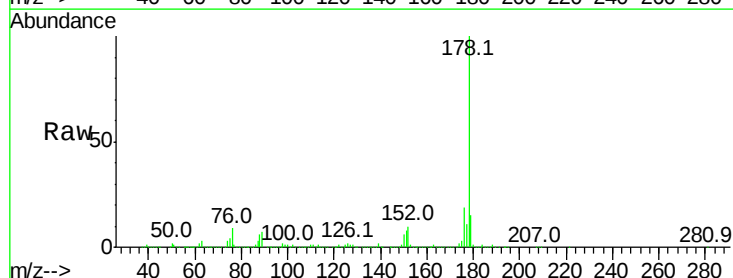
Tgt Ion:178 Resp: 1712856

Ion Ratio Lower Upper

178 100

179 15.3 12.6 19.0

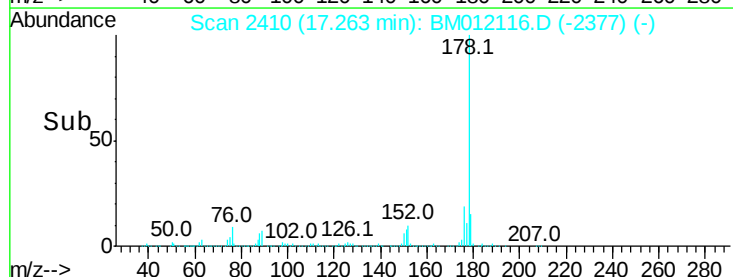
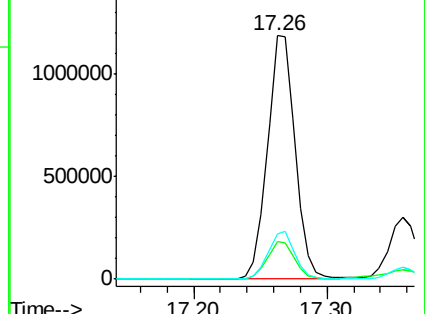
176 18.6 14.9 22.3

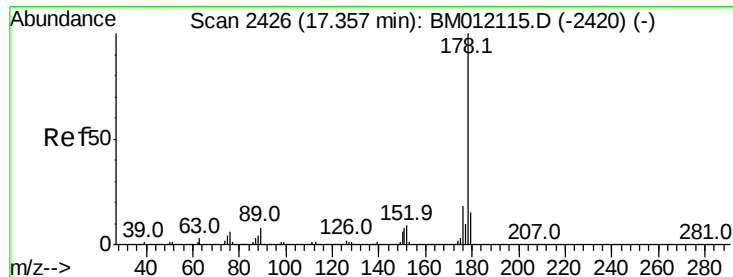


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E



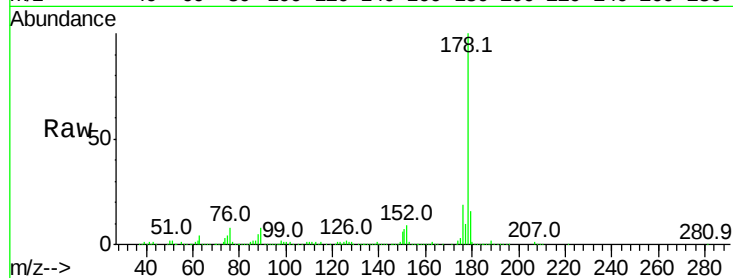


#71
 Anthracene
 Concen: 3.771 ng/ul
 RT: 17.36 min Scan# 2426
 Delta R.T. 0.00 min
 Lab File: BM012116.D
 Acq: 13 Oct 2017 01:39

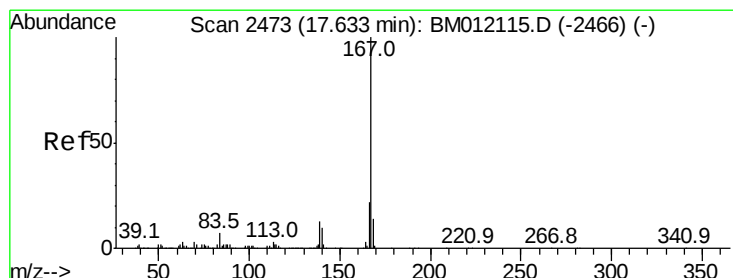
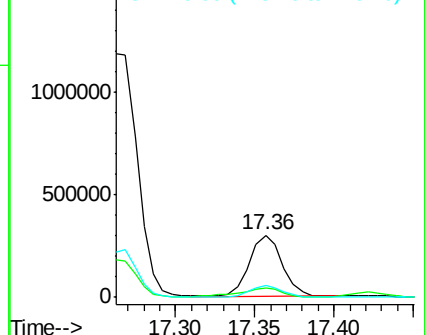
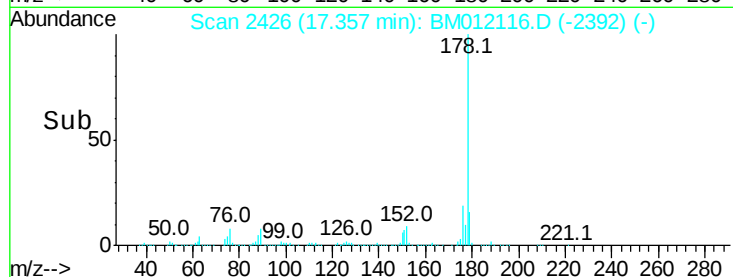
Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:178 Resp: 435487

Ion	Ratio	Lower	Upper
178	100		
179	15.8	11.7	17.5
176	18.9	14.6	21.8



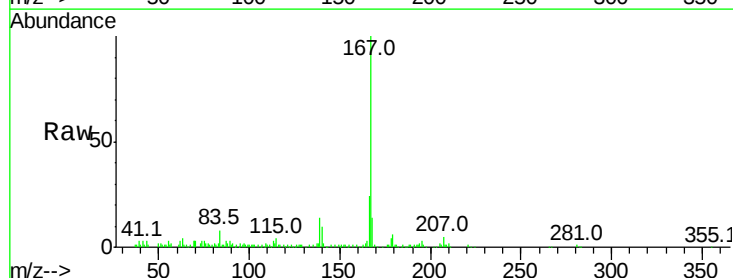
Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 179.00 (178.70 to 179.70): E
 Ion 176.00 (175.70 to 176.70): E



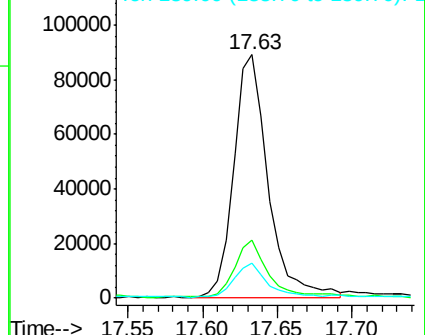
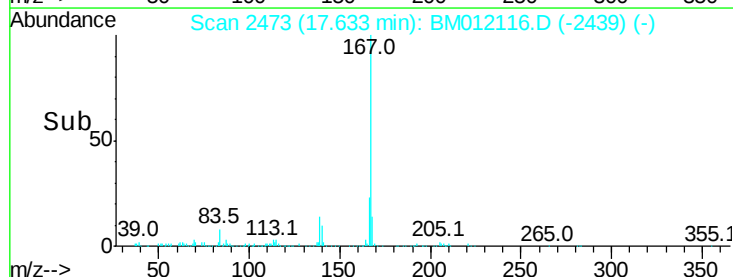
#72
 Carbazole
 Concen: 1.476 ng/ul
 RT: 17.63 min Scan# 2473
 Delta R.T. 0.00 min
 Lab File: BM012116.D
 Acq: 13 Oct 2017 01:39

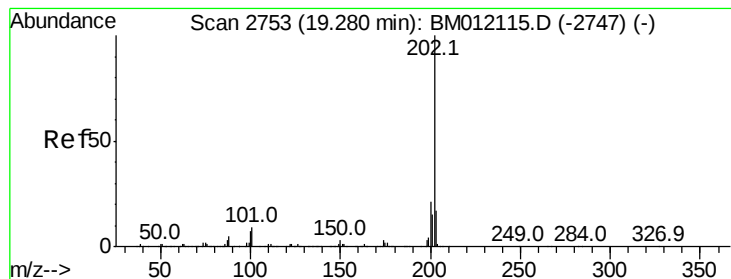
Tgt Ion:167 Resp: 144199

Ion	Ratio	Lower	Upper
167	100		
166	23.9	17.1	25.7
139	14.2	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: 20.279 ng/ul

RT: 19.28 min Scan# 2753

Delta R.T. 0.00 min

Lab File: BM012116.D

Acq: 13 Oct 2017 01:39

Instrument :

BNA_M

ClientSampleId :

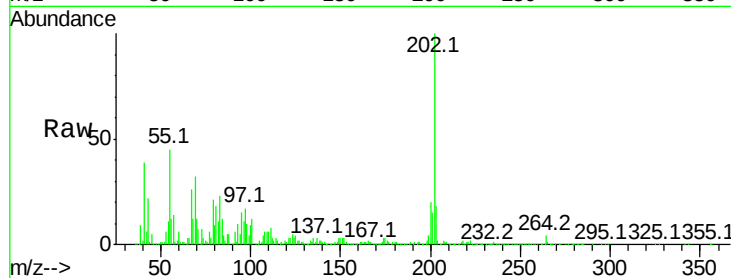
Tot Ion:202 Resp: 2729636

Ion Ratio Lower Upper

202 100

101 11.9 4.6 7.0#

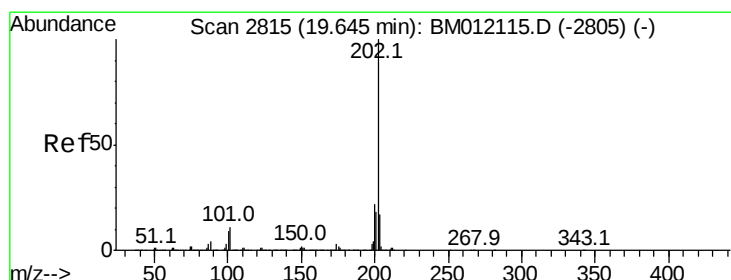
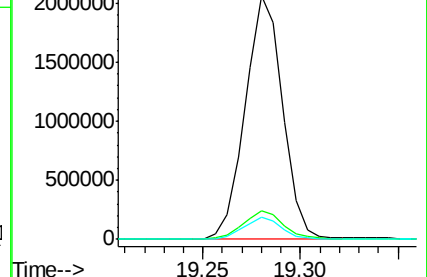
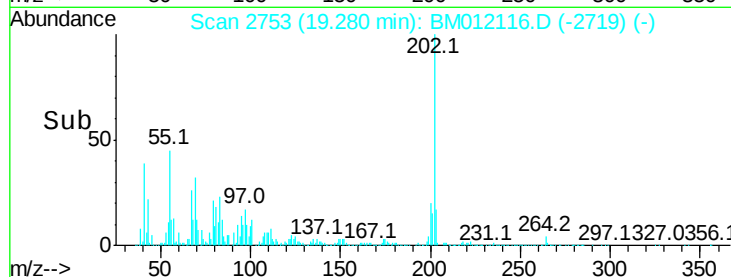
100 8.9 3.4 5.2#



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: 15.344 ng/ul

RT: 19.64 min Scan# 2815

Delta R.T. 0.00 min

Lab File: BM012116.D

Acq: 13 Oct 2017 01:39

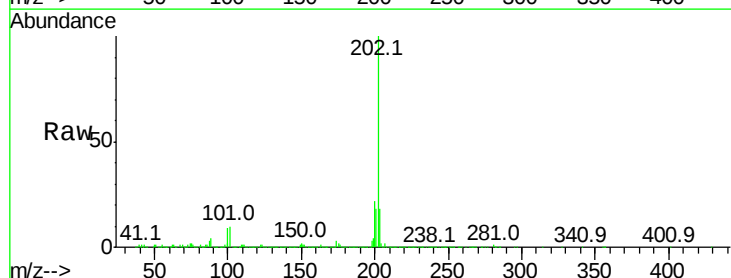
Tgt Ion:202 Resp: 1996725

Ion Ratio Lower Upper

202 100

101 10.4 5.1 7.7#

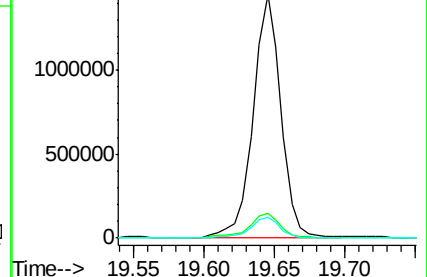
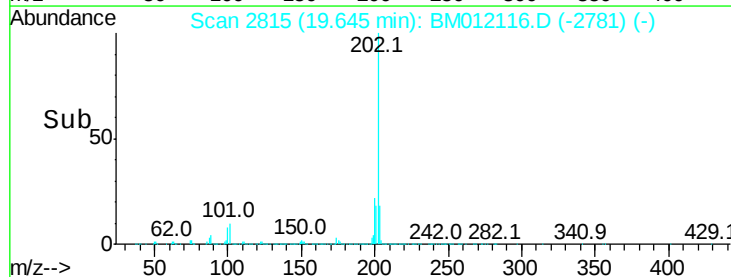
100 8.5 4.9 7.3#

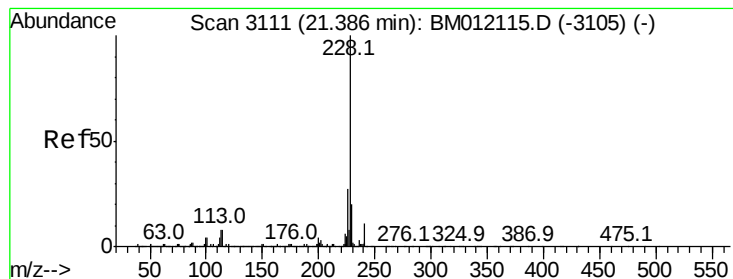


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

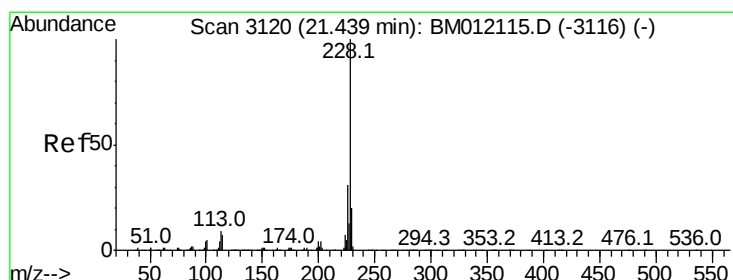
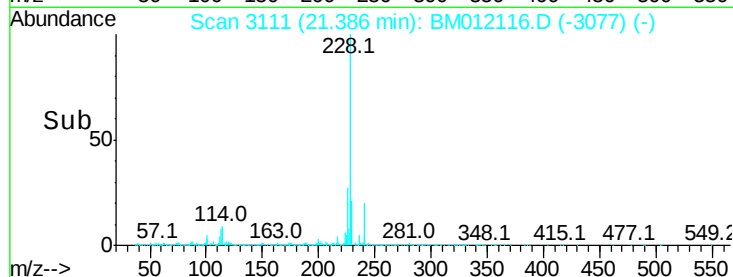
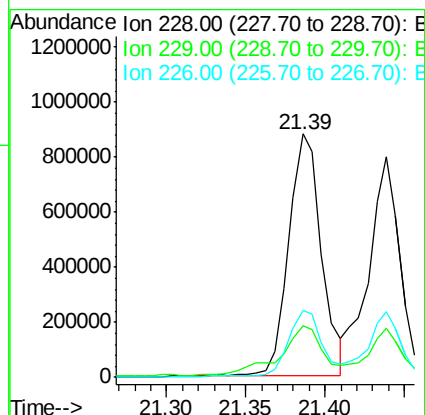
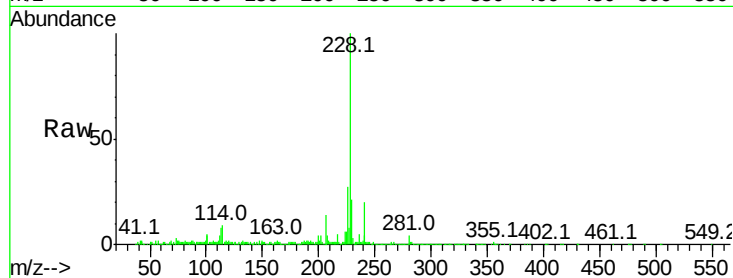




#80
Benzo(a)anthracene
Concen: 9.874 ng/ul
RT: 21.39 min Scan# 3111
Delta R.T. 0.00 min
Lab File: BM012116.D
Acq: 13 Oct 2017 01:39

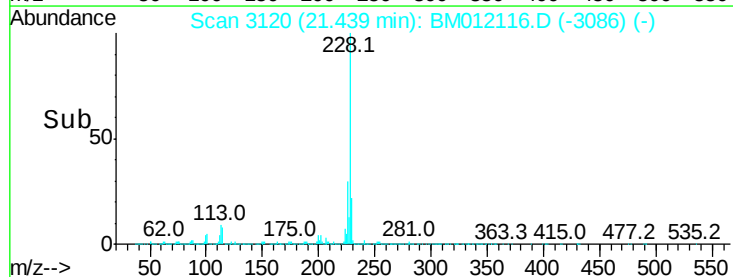
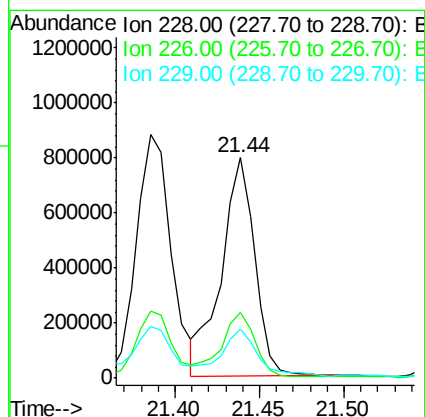
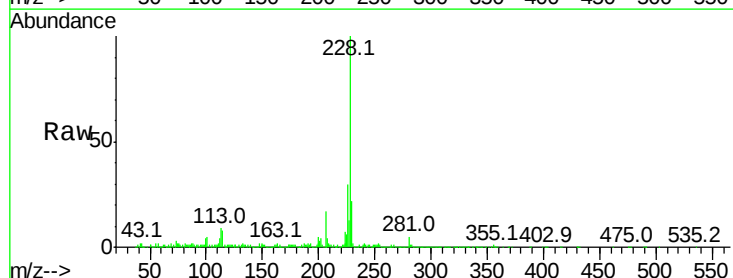
Instrument :
BNA_M
ClientSampleId :

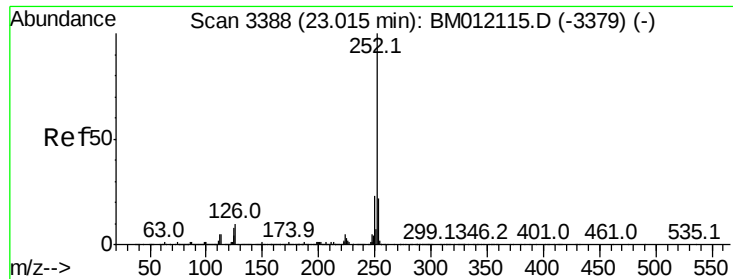
Tot Ion:228 Resp: 1266007
Ion Ratio Lower Upper
228 100
229 21.2 15.4 23.0
226 27.3 21.4 32.0



#82
Chrysene
Concen: 9.075 ng/ul
RT: 21.44 min Scan# 3120
Delta R.T. 0.00 min
Lab File: BM012116.D
Acq: 13 Oct 2017 01:39

Tgt Ion:228 Resp: 1092392
Ion Ratio Lower Upper
228 100
226 30.1 23.4 35.2
229 22.5 15.5 23.3





#85

Benzo(b)fluoranthene

Concen: 11.296 ng/ul

RT: 23.02 min Scan# 3388

Delta R.T. 0.00 min

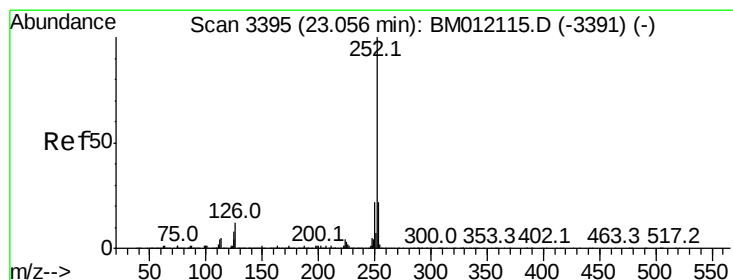
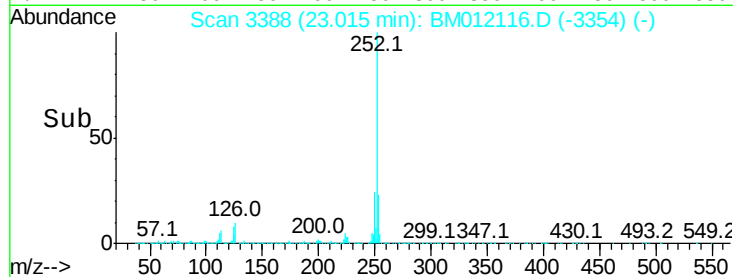
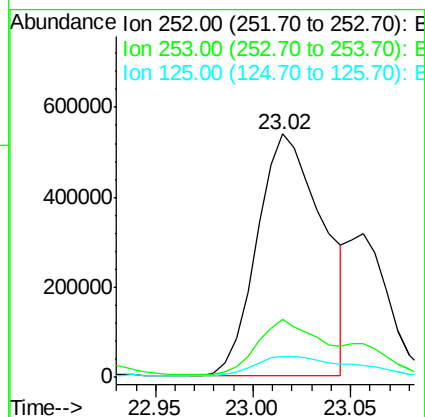
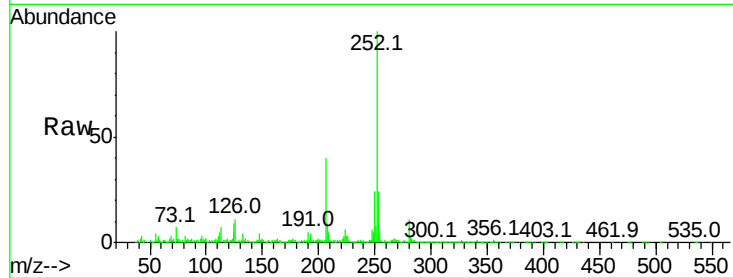
Lab File: BM012116.D

Acq: 13 Oct 2017 01:39

Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 1260654

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.9	26.9
125	8.8	3.6	5.4#



#86

Benzo(k)fluoranthene

Concen: 11.722 ng/ul

RT: 23.02 min Scan# 3388

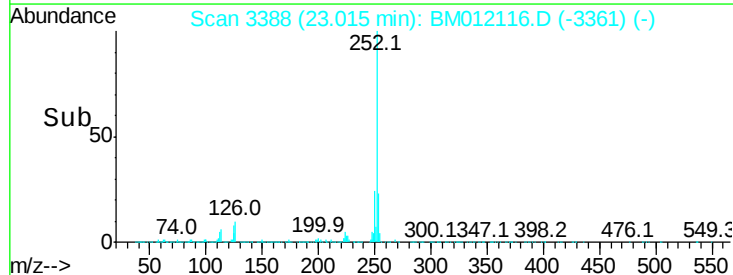
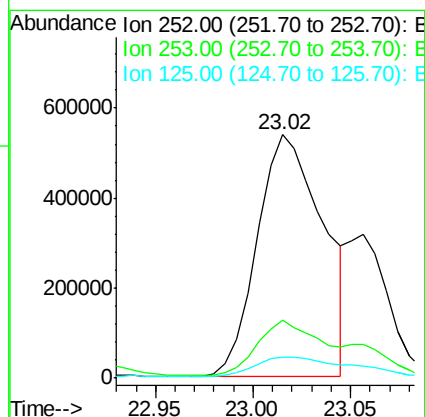
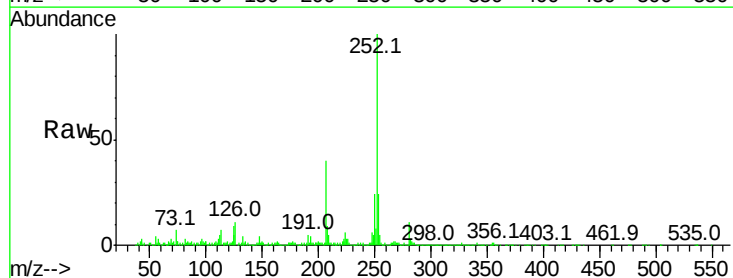
Delta R.T. -0.04 min

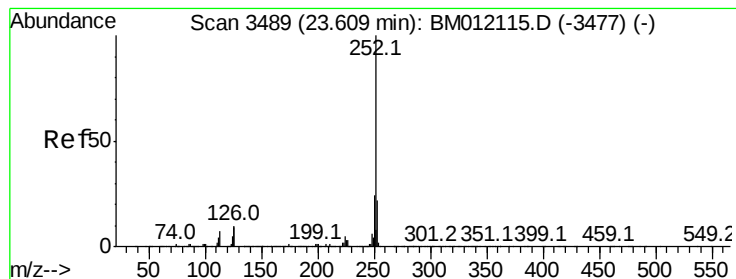
Lab File: BM012116.D

Acq: 13 Oct 2017 01:39

Tgt Ion:252 Resp: 1260654

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.1	25.7
125	8.8	3.4	5.2#





#88

Benzo(a)pyrene

Concen: 8.172 ng/ul

RT: 23.62 min Scan# 3490

Delta R.T. 0.01 min

Lab File: BM012116.D

Acq: 13 Oct 2017 01:39

Instrument :

BNA_M

ClientSampleId :

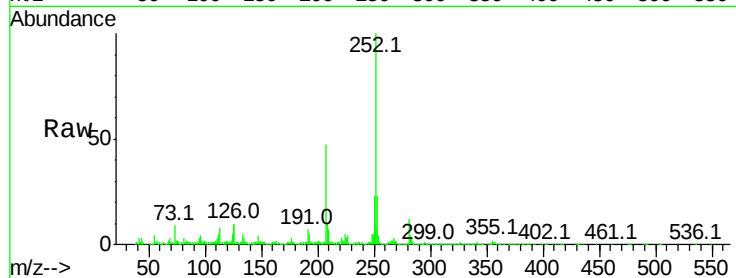
Tot Ion:252 Resp: 859557

Ion Ratio Lower Upper

252 100

253 22.7 18.2 27.2

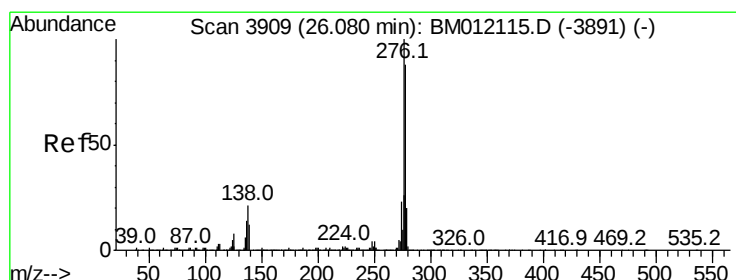
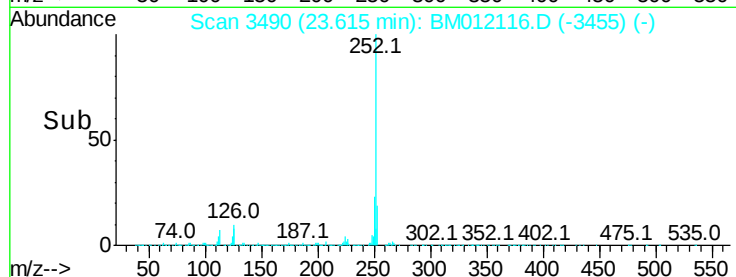
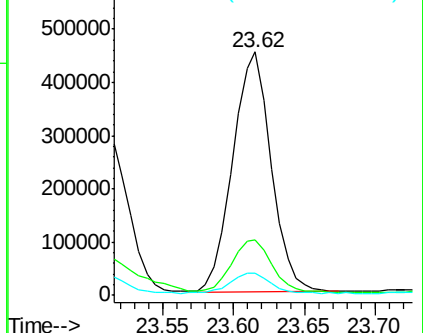
125 9.3 4.0 6.0#



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: 4.536 ng/ul

RT: 26.07 min Scan# 3908

Delta R.T. -0.01 min

Lab File: BM012116.D

Acq: 13 Oct 2017 01:39

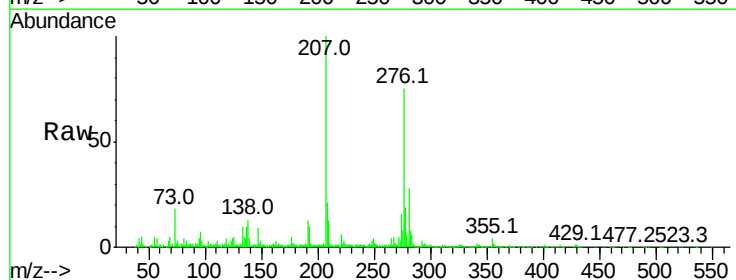
Tgt Ion:276 Resp: 506624

Ion Ratio Lower Upper

276 100

138 17.6 9.3 13.9#

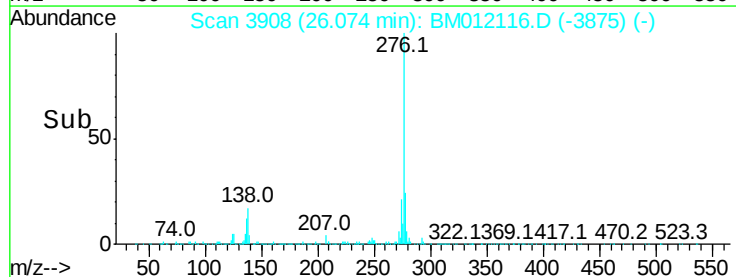
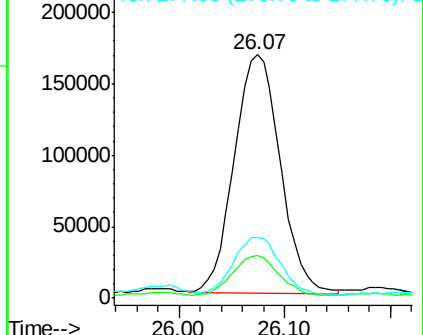
277 24.8 19.9 29.9

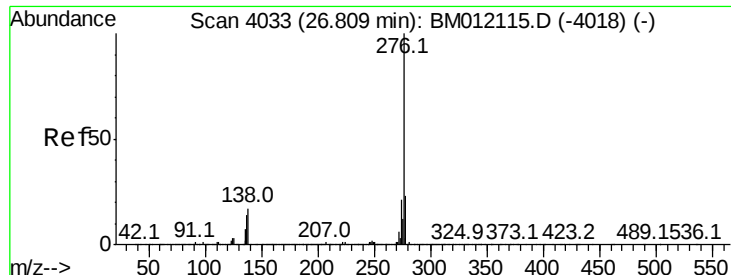


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 4.406 ng/ul

RT: 26.80 min Scan# 4032

Delta R.T. -0.01 min

Lab File: BM012116.D

Acq: 13 Oct 2017 01:39

Instrument :

BNA_M

ClientSampleId :

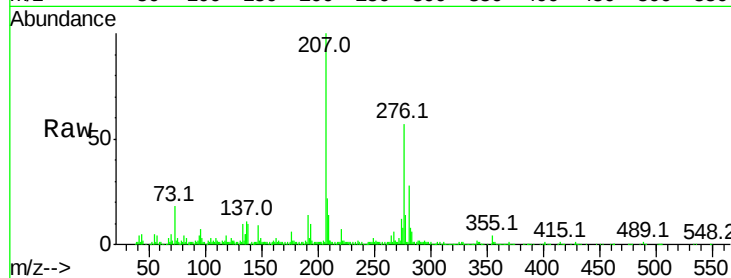
Tot Ion: 276 Resp: 403084

Ion Ratio Lower Upper

276 100

138 18.1 8.5 12.7#

277 24.0 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

