

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012447.D
 Acq On : 25 Oct 2017 16:05
 Operator : SJ/JU
 Sample : I5756-07DL 5X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 26 01:13:25 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 01:09:36 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.89	152	760963	20.00	ng/ul	0.01
18) Naphthalene-d8	10.67	136	3179571	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.52	164	2018694	20.00	ng/ul	0.01
61) Phenanthrene-d10	17.26	188	4609029	20.00	ng/ul	0.01
75) Chrysene-d12	21.43	240	3664440	20.00	ng/ul	0.01
83) Perylene-d12	23.74	264	3602924	20.00	ng/ul	0.02

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	11633	0.78	ng/uL	0.00
5) Phenol-d5	7.05	99	257480	4.05	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.22	67	158454	4.20	ng/ul	0.01
9) 2-Chlorophenol-d4	7.42	132	207697	4.36	ng/ul	0.01
13) 4-Methylphenol-d8	8.59	113	198802	3.66	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	98558	4.95	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	103309	5.04	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.30	165	231465	4.26	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	74880	1.31	ng/ul	0.01
43) Dimethylphthalate-d6	13.92	166	744385	4.22	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	923537	4.43	ng/ul	0.00
51) 4-Nitrophenol-d4	14.72	143	86892	3.31	ng/ul	0.02
57) Fluorene-d10	15.50	176	649383	4.35	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.63	200	10182	0.46	ng/ul	0.02
70) Anthracene-d10	17.35	188	996010	4.53	ng/ul	0.00
76) Pyrene-d10	19.64	212	963044	5.73	ng/ul	0.01
87) Benzo(a)pyrene-d12	23.59	264	743300	4.34	ng/ul	0.02

Target Compounds

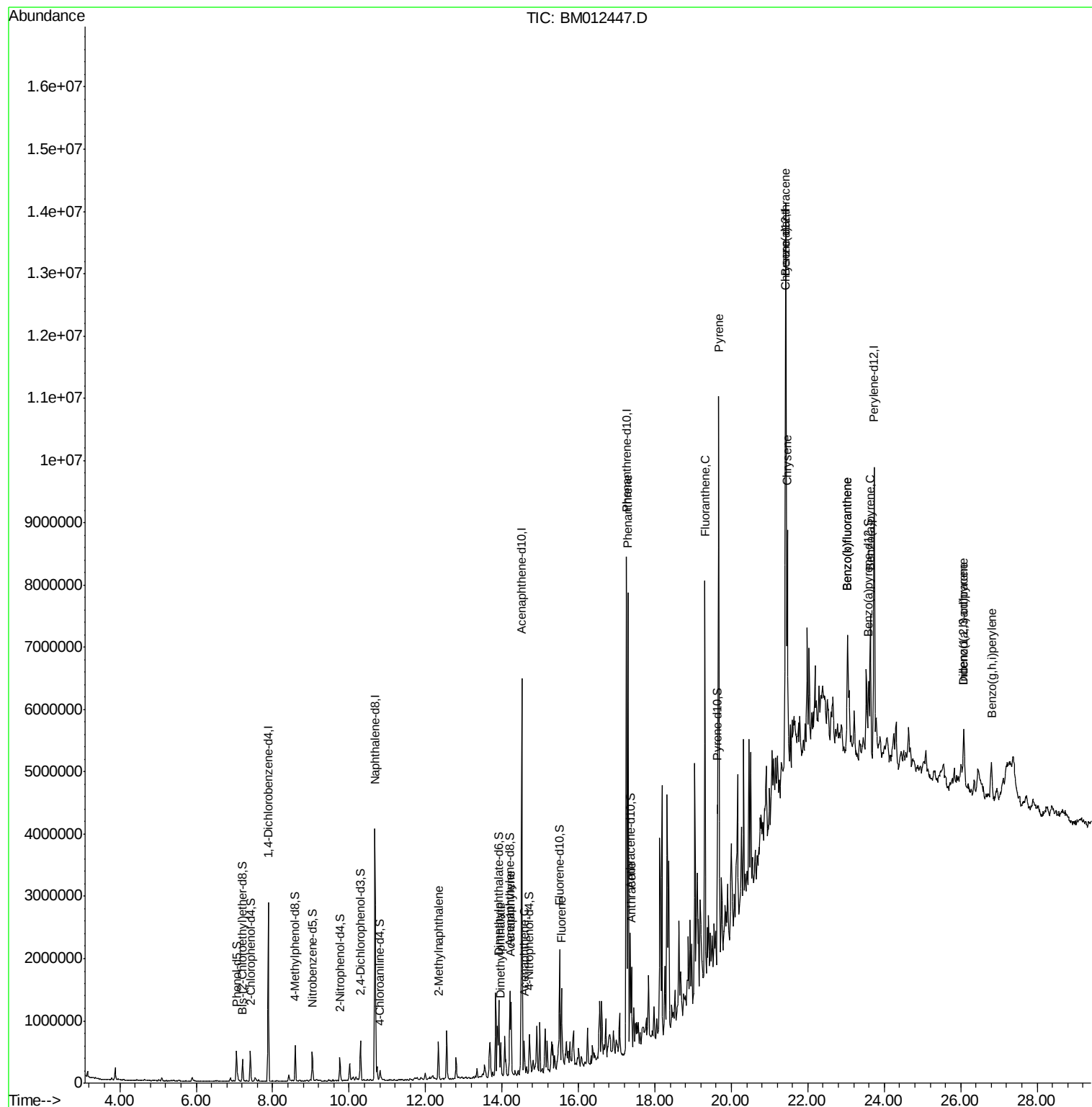
						Ovalue
34) 2-Methylnaphthalene	12.33	142	273097	2.13	ng/ul	98
44) Dimethylphthalate	13.97	163	217394	1.25	ng/ul	99
47) Acenaphthylene	14.23	152	605283	3.04	ng/ul#	95
49) Acenaphthene	14.57	153	210564	1.54	ng/ul	99
58) Fluorene	15.56	166	540283	3.17	ng/ul#	97
69) Phenanthrene	17.30	178	4229805	16.97	ng/ul	99
71) Anthracene	17.39	178	813907	3.16	ng/ul	99
74) Fluoranthene	19.31	202	3405935	12.06	ng/ul#	95
77) Pvrene	19.67	202	5380687	25.82	ng/ul#	94
80) Benzo(a)anthracene	21.41	228	1801901	8.21	ng/ul#	89
82) Chrysene	21.46	228	2072266	10.62	ng/ul#	94
85) Benzo(b)fluoranthene	23.04	252	1455267	6.53	ng/ul#	92
86) Benzo(k)fluoranthene	23.04	252	1455267	6.94	ng/ul#	90
88) Benzo(a)pyrene	23.63	252	1491261	7.02	ng/ul#	96
89) Indeno(1,2,3-cd)pyrene	26.08	276	888399	3.55	ng/ul	96
90) Dibenzo(a,h)anthracene	26.08	278	283486	1.34	ng/ul#	59
91) Benzo(g,h,i)perylene	26.80	276	823438	4.07	ng/ul#	90

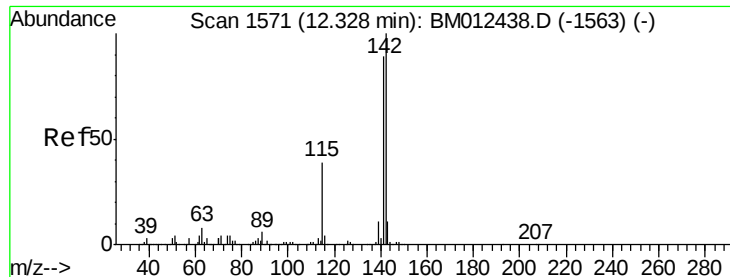
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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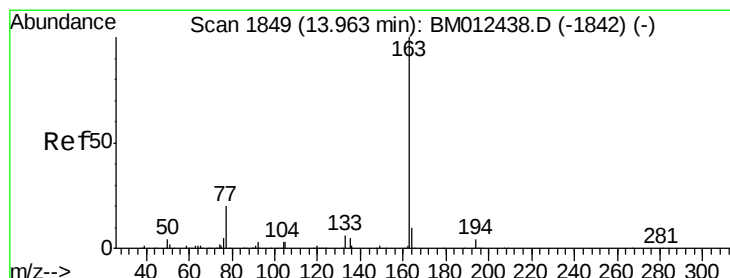
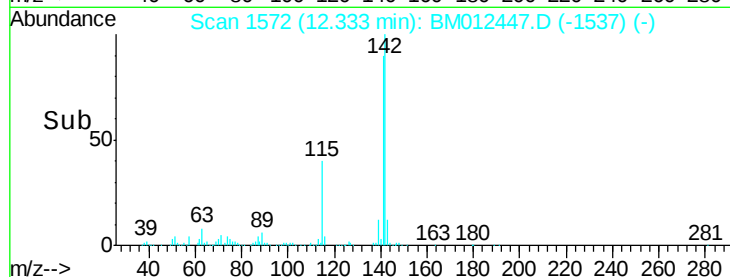
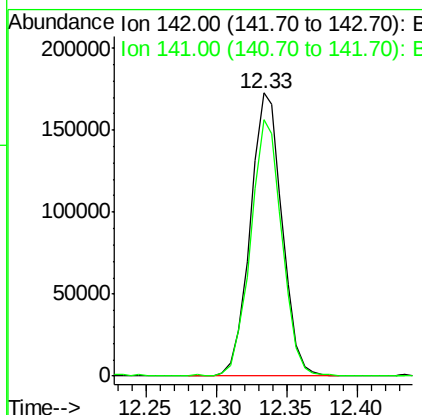
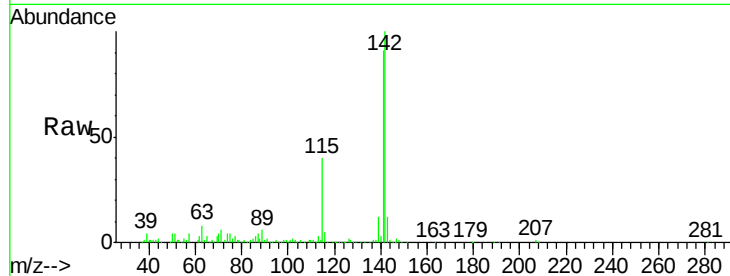




#34
 2-Methylnaphthalene
 Concen: 2.13 ng/ul
 RT: 12.33 min Scan# 1572
 Delta R.T. 0.01 min
 Lab File: BM012447.D
 Acq: 25 Oct 2017 16:05

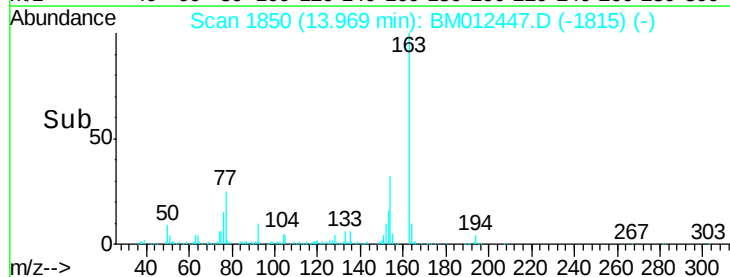
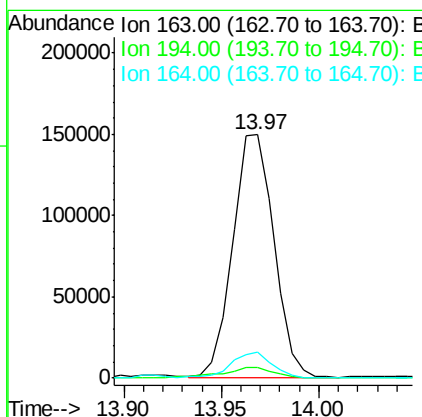
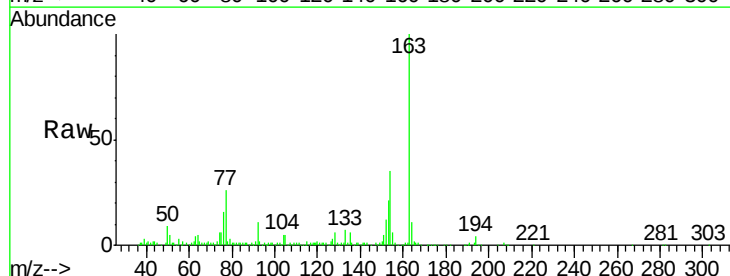
Instrument :
 BNA_M
 ClientSampleId :

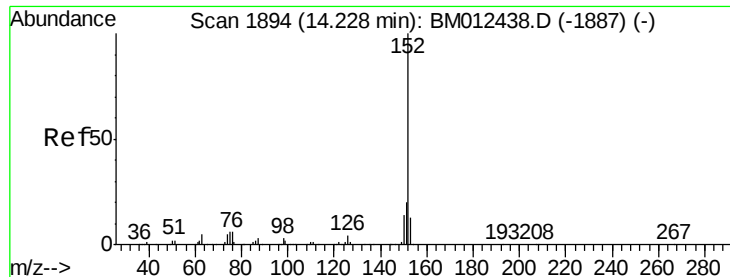
Tot Ion:142 Resp: 273097
 Ion Ratio Lower Upper
 142 100
 141 90.7 74.1 111.1



#44
 Dimethylphthalate
 Concen: 1.25 ng/ul
 RT: 13.97 min Scan# 1850
 Delta R.T. 0.01 min
 Lab File: BM012447.D
 Acq: 25 Oct 2017 16:05

Tgt Ion:163 Resp: 217394
 Ion Ratio Lower Upper
 163 100
 194 4.2 3.5 5.3
 164 10.5 8.2 12.4





#47

Acenaphthylene

Concen: 3.04 ng/ul

RT: 14.23 min Scan# 1895

Delta R.T. 0.01 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

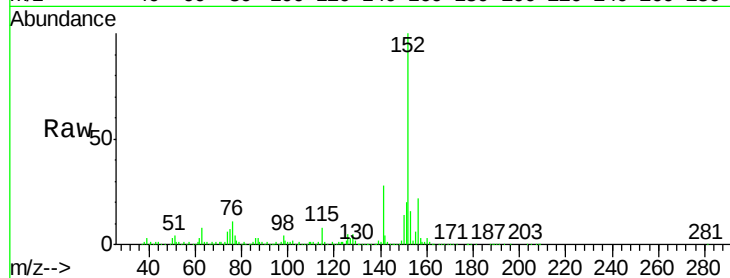
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 605283

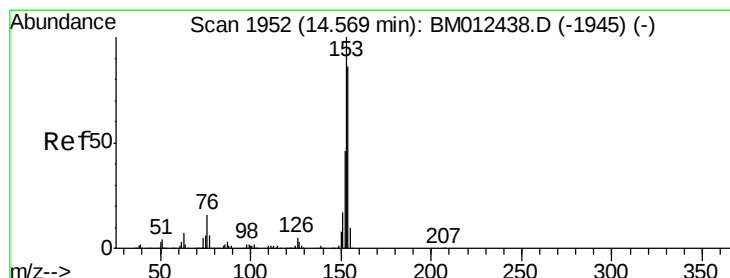
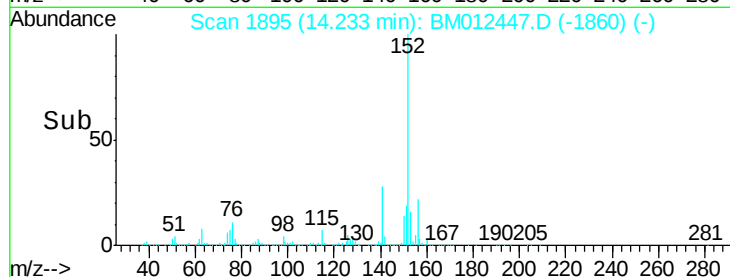
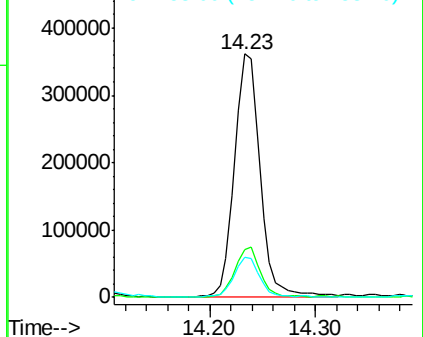
Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.3	24.5
153	16.4	10.2	15.4



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: 1.54 ng/ul

RT: 14.57 min Scan# 1953

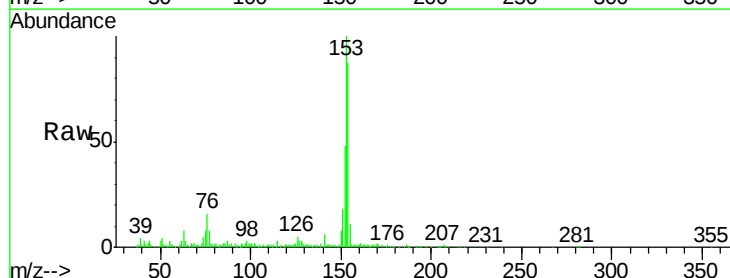
Delta R.T. 0.01 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

Tgt Ion:153 Resp: 210564

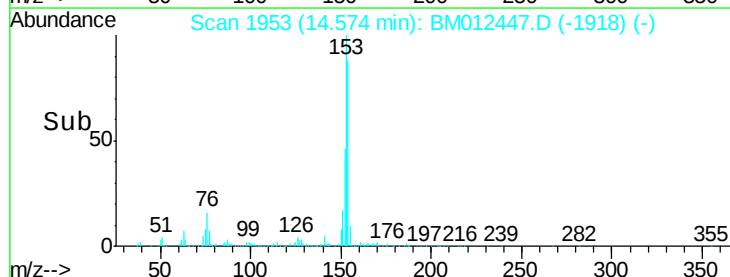
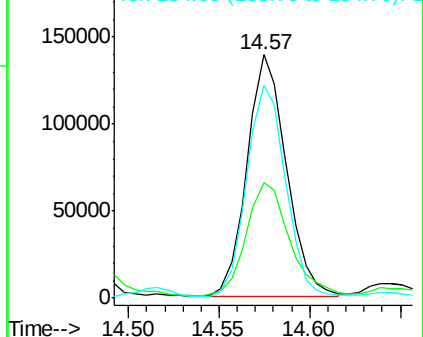
Ion	Ratio	Lower	Upper
153	100		
152	47.6	37.6	56.4
154	87.4	70.4	105.6

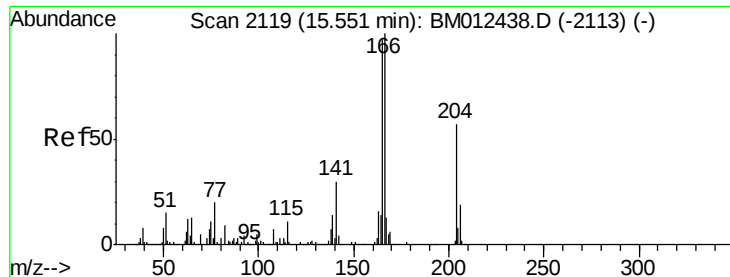


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

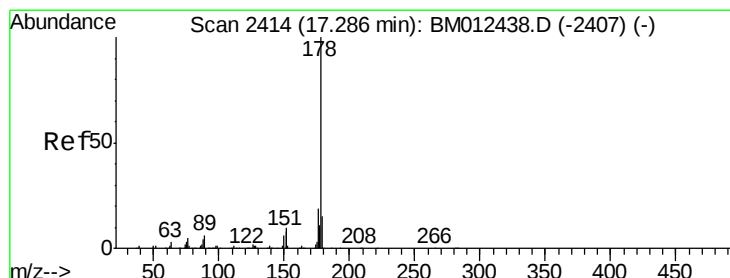
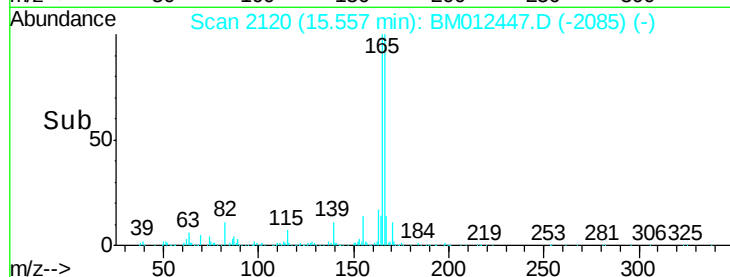
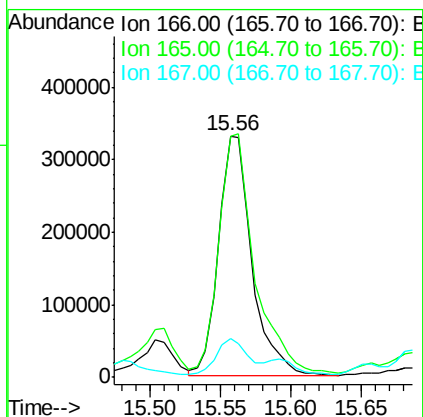
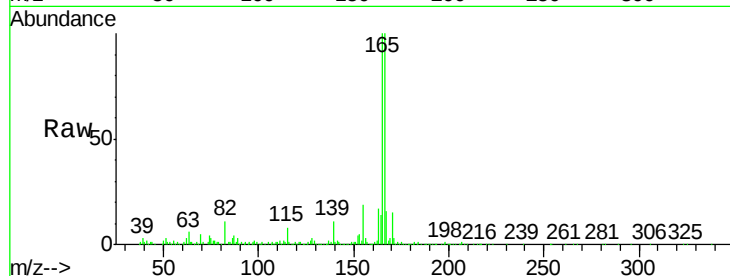




#58
 Fluorene
 Concen: 3.17 ng/ul
 RT: 15.56 min Scan# 2120
 Delta R.T. 0.01 min
 Lab File: BM012447.D
 Acq: 25 Oct 2017 16:05

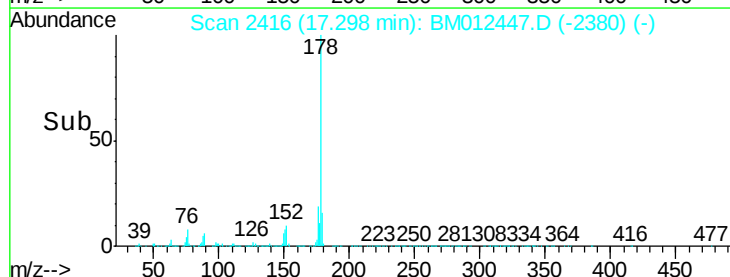
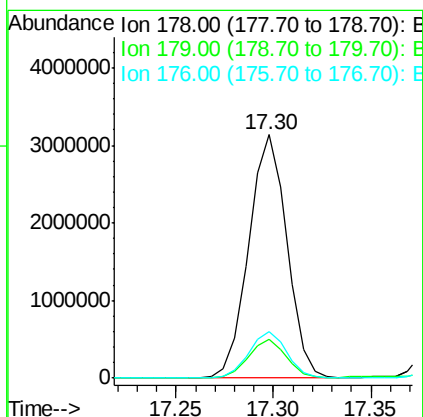
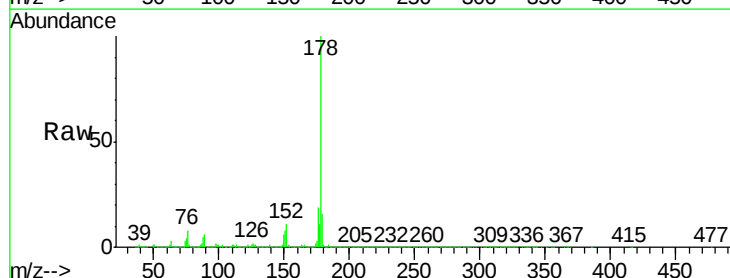
Instrument :
 BNA_M
 ClientSampleId :

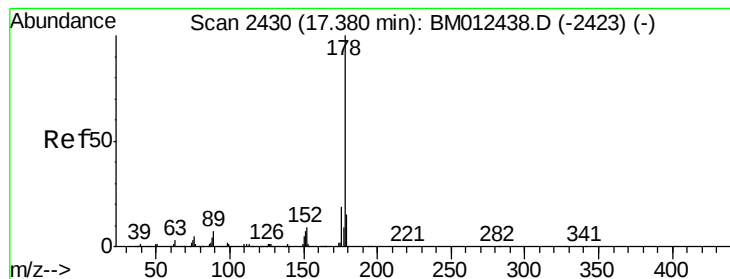
Tot Ion	Ratio	Lower	Upper
166	100		
165	100.0	77.9	116.9
167	16.0	10.6	16.0#



#69
 Phenanthrene
 Concen: 16.97 ng/ul
 RT: 17.30 min Scan# 2416
 Delta R.T. 0.01 min
 Lab File: BM012447.D
 Acq: 25 Oct 2017 16:05

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.6	19.0
176	19.3	14.9	22.3





#71

Anthracene

Concen: 3.16 ng/ul

RT: 17.39 min Scan# 2431

Delta R.T. 0.01 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

Instrument :

BNA_M

ClientSampleId :

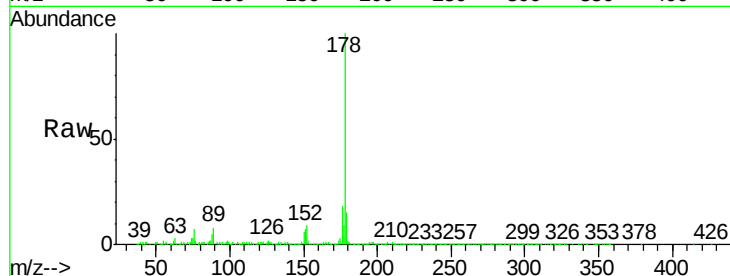
Tot Ion:178 Resp: 813907

Ion Ratio Lower Upper

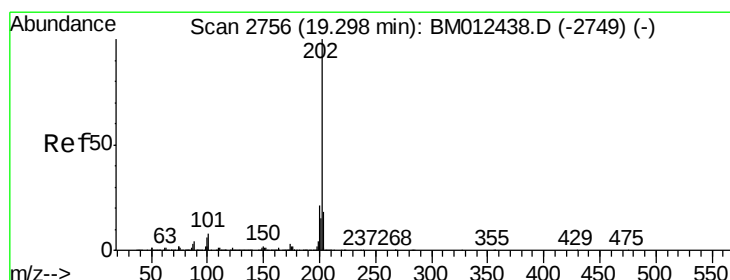
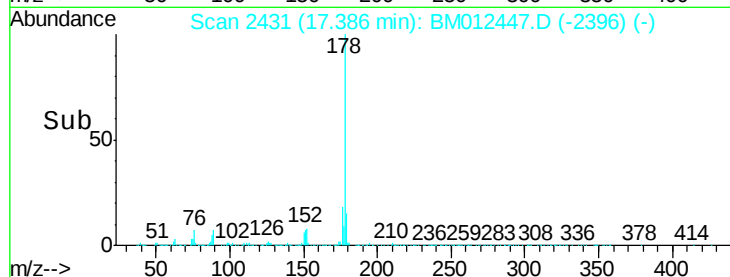
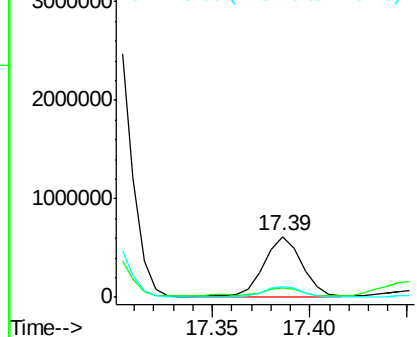
178 100

179 15.3 11.7 17.5

176 17.9 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



#74

Fluoranthene

Concen: 12.06 ng/ul

RT: 19.31 min Scan# 2758

Delta R.T. 0.01 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

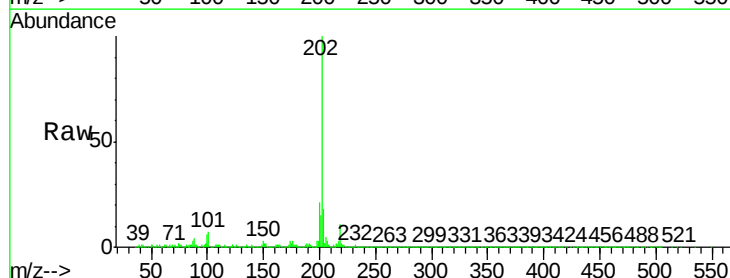
Tgt Ion:202 Resp: 3405935

Ion Ratio Lower Upper

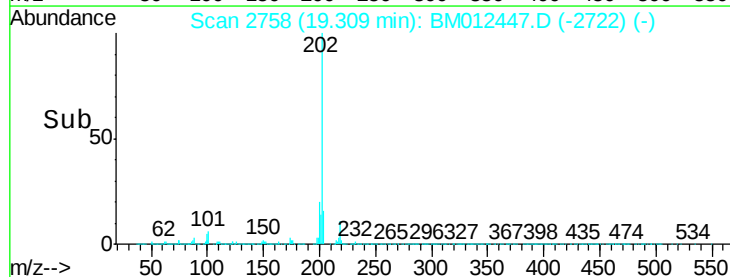
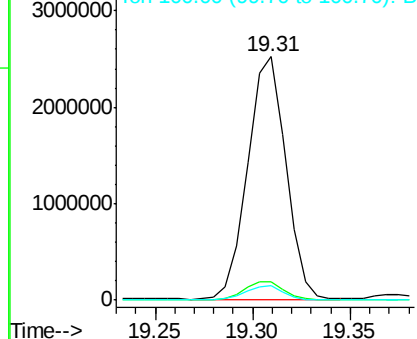
202 100

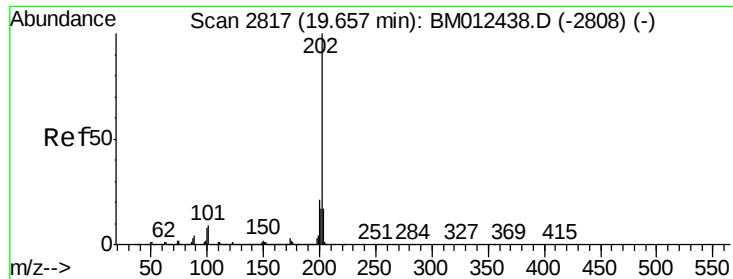
101 7.4 4.6 7.0#

100 5.8 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: 25.82 ng/ul

RT: 19.67 min Scan# 2819

Delta R.T. 0.01 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

Instrument :

BNA_M

ClientSampleId :

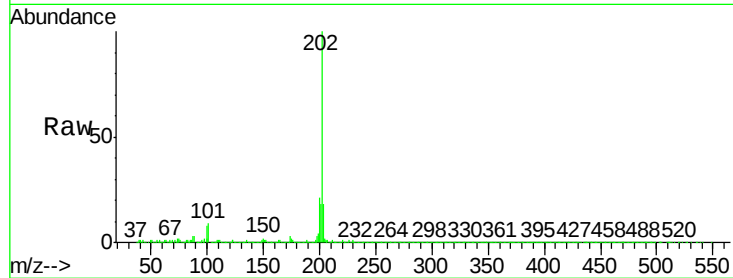
Tot Ion:202 Resp: 5380687

Ion Ratio Lower Upper

202 100

101 9.1 5.1 7.7#

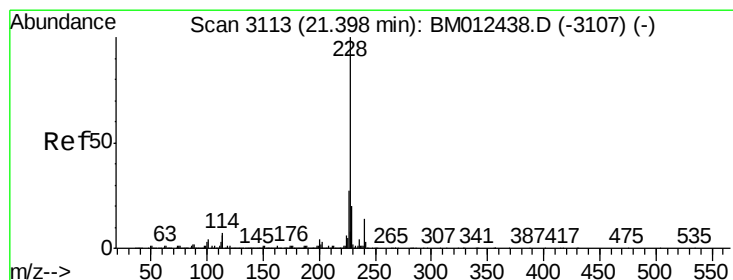
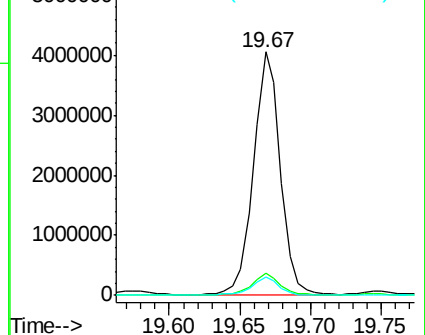
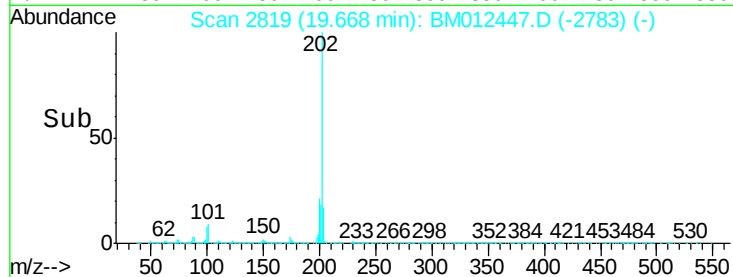
100 7.7 4.9 7.3#



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: 8.21 ng/ul

RT: 21.41 min Scan# 3115

Delta R.T. 0.01 min

Lab File: BM012447.D

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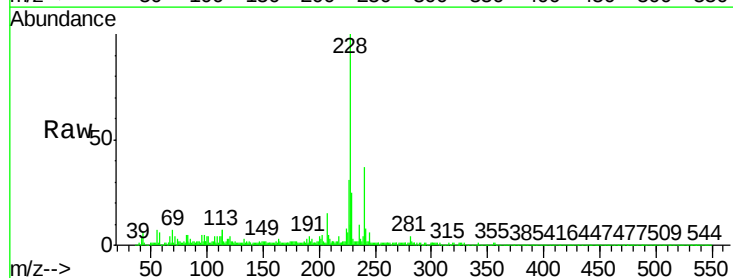
Tgt Ion:228 Resp: 1801901

Ion Ratio Lower Upper

228 100

229 24.9 15.4 23.0#

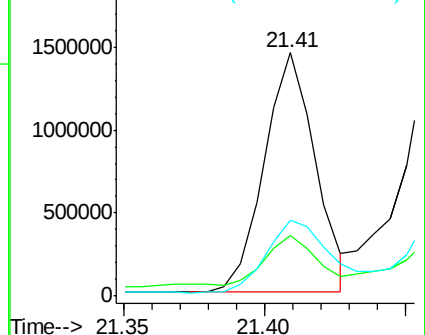
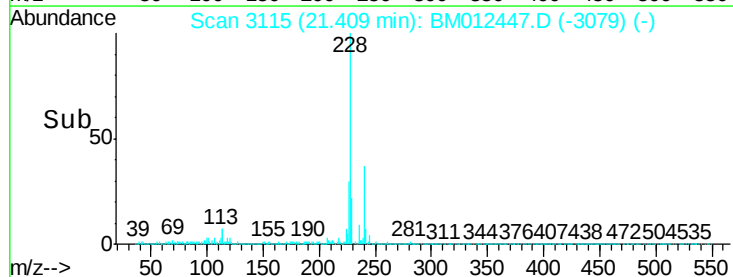
226 31.4 21.4 32.0

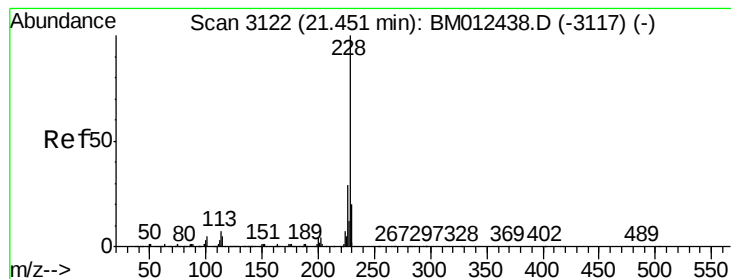


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 10.62 ng/ul

RT: 21.46 min Scan# 3124

Delta R.T. 0.01 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

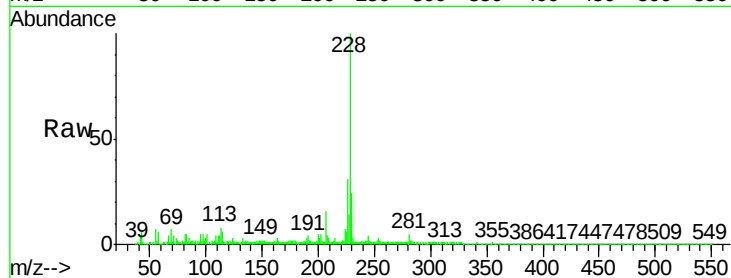
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 2072266

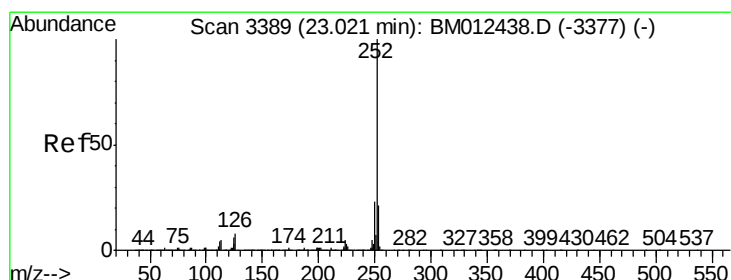
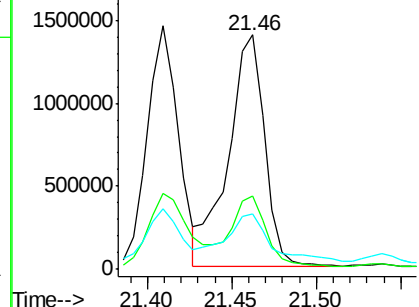
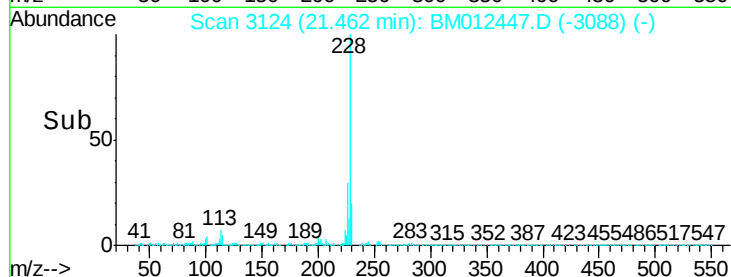
Ion	Ratio	Lower	Upper
228	100		
226	31.1	23.4	35.2
229	23.6	15.5	23.3#



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: 6.53 ng/ul

RT: 23.04 min Scan# 3392

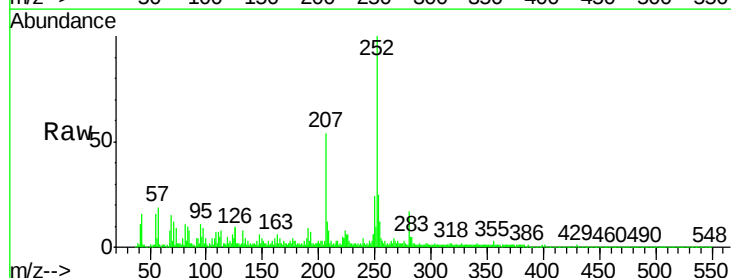
Delta R.T. 0.02 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

Tgt Ion:252 Resp: 1455267

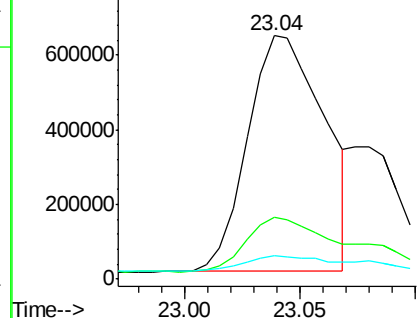
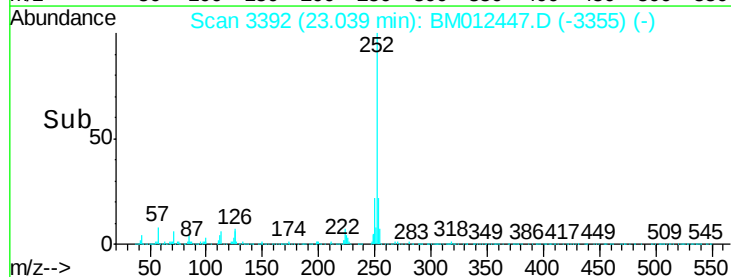
Ion	Ratio	Lower	Upper
252	100		
253	25.3	17.9	26.9
125	9.5	3.6	5.4#

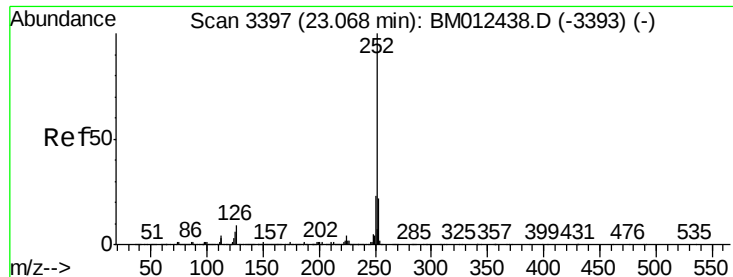


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 6.94 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.03 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

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ClientSampleId :

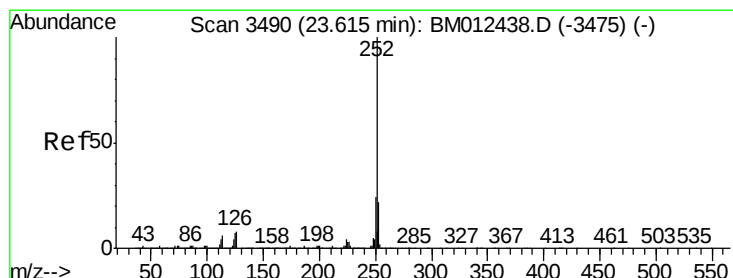
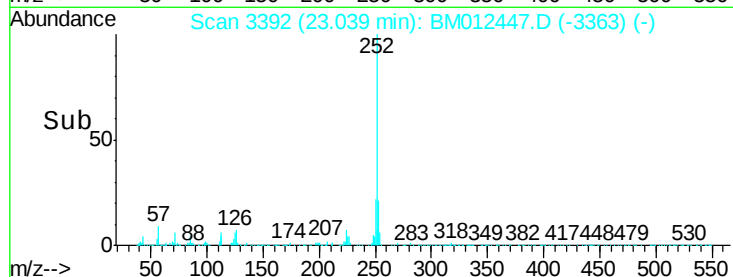
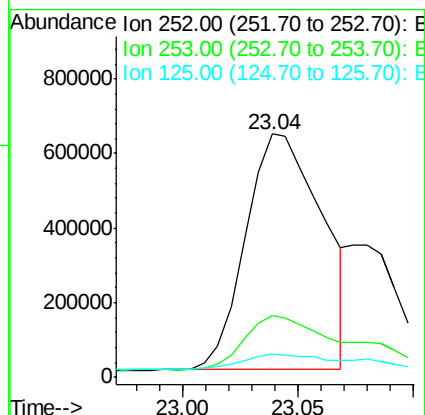
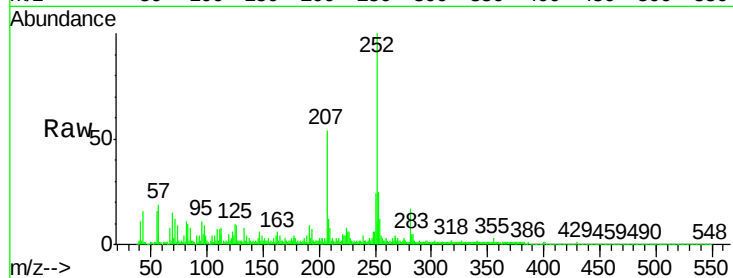
Tot Ion:252 Resp: 1455267

Ion Ratio Lower Upper

252 100

253 25.3 17.1 25.7

125 9.5 3.4 5.2#



#88

Benzo(a)pyrene

Concen: 7.02 ng/ul

RT: 23.63 min Scan# 3493

Delta R.T. 0.02 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

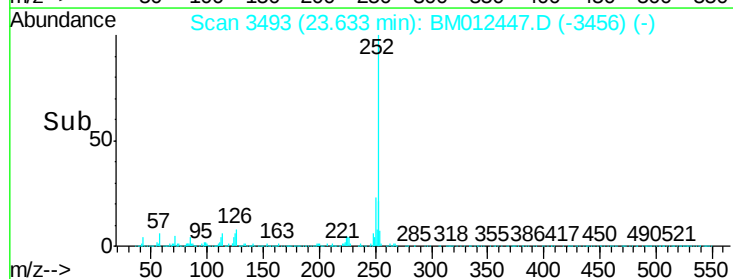
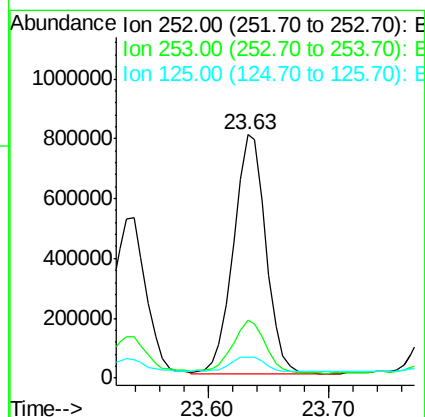
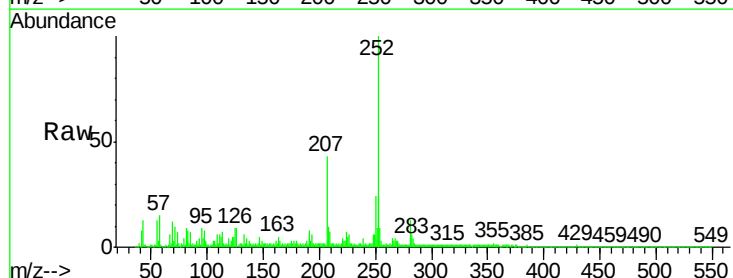
Tgt Ion:252 Resp: 1491261

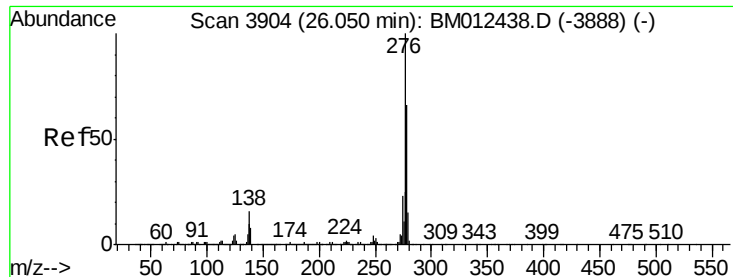
Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

125 8.8 4.0 6.0#





#89

Indeno(1,2,3-cd)pyrene

Concen: 3.55 ng/ul

RT: 26.08 min Scan# 3909

Delta R.T. 0.03 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

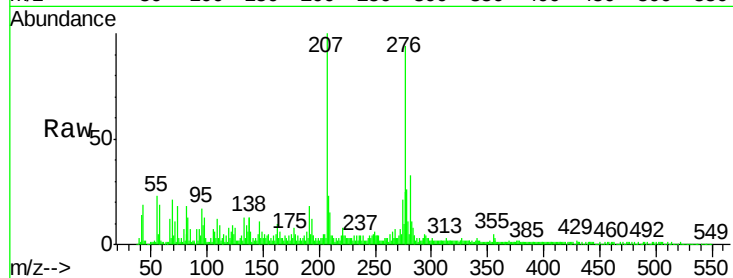
Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 888399

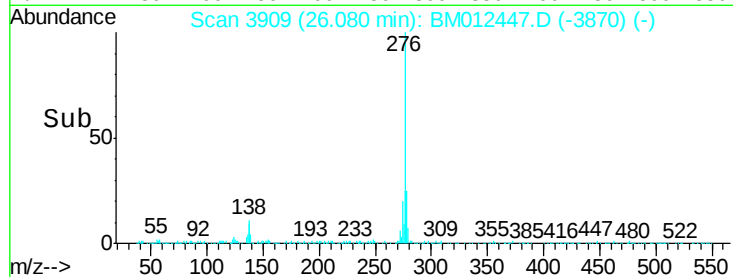
Ion	Ratio	Lower	Upper
276	100		
138	13.3	9.3	13.9
277	26.9	19.9	29.9



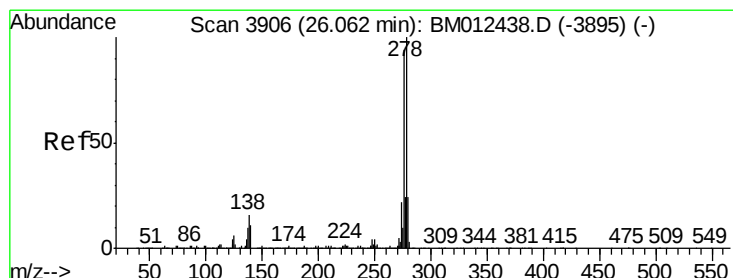
Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->



#90

Dibenzo(a,h)anthracene

Concen: 1.34 ng/ul

RT: 26.08 min Scan# 3909

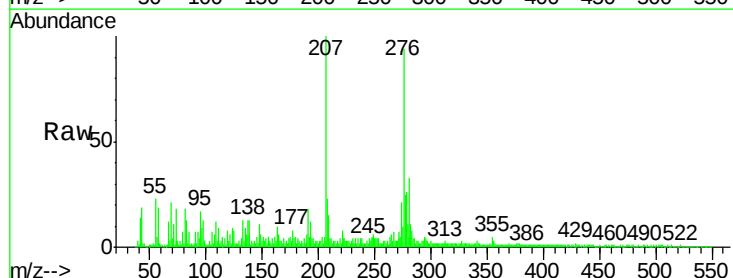
Delta R.T. 0.02 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

Tgt Ion:278 Resp: 283486

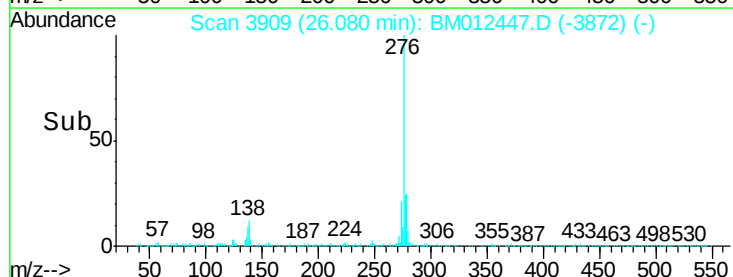
Ion	Ratio	Lower	Upper
278	100		
139	24.2	5.8	8.8#
279	42.0	18.6	27.8#



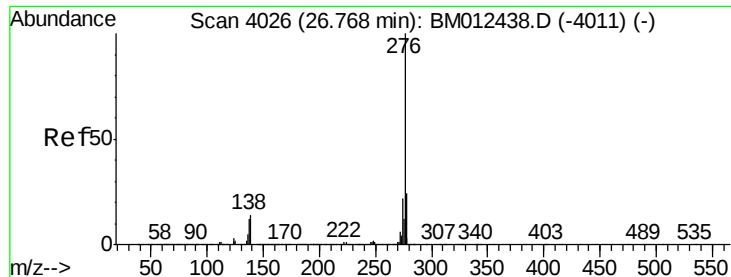
Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->



#91

Benzo(a,h,i)perylene

Concen: 4.07 ng/ul

RT: 26.80 min Scan# 4032

Delta R.T. 0.03 min

Lab File: BM012447.D

Acq: 25 Oct 2017 16:05

Instrument :

BNA_M

ClientSampleId :

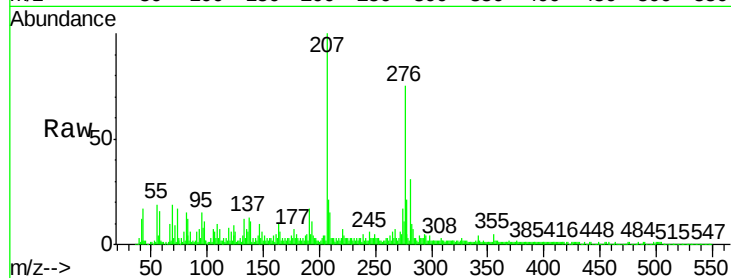
Tot Ion: 276 Resp: 823438

Ion Ratio Lower Upper

276 100

138 15.2 8.5 12.7#

277 27.9 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

