

Data Path : Z:\HPCHEM1\BNA M\DATA\BM102517\
 Data File : BM012468.D
 Acq On : 26 Oct 2017 11:48
 Operator : SJ/JU
 Sample : I5701-18DL 5X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 26 14:37:57 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM102417.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 26 09:35:31 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	496241	20.00	ng/ul	0.00
18) Naphthalene-d8	10.67	136	2030056	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.51	164	1214188	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.25	188	2609064	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	2066378	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	2278688	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.37	96	6465	0.67	ng/uL	0.00
5) Phenol-d5	7.05	99	146508	3.53	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.21	67	95007	3.86	ng/ul	0.00
9) 2-Chlorophenol-d4	7.42	132	117600	3.79	ng/ul	0.00
13) 4-Methylphenol-d8	8.58	113	119538	3.37	ng/ul	0.00
19) Nitrobenzene-d5	9.03	128	56962	4.48	ng/ul	0.00
22) 2-Nitrophenol-d4	9.76	143	62202	4.75	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.29	165	128484	3.70	ng/ul	0.00
29) 4-Chloroaniline-d4	10.81	131	35716	0.98	ng/ul	0.00
43) Dimethylphthalate-d6	13.92	166	415592	3.92	ng/ul	0.00
46) Acenaphthylene-d8	14.20	160	499650	3.98	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	39536	2.51	ng/ul	0.00
57) Fluorene-d10	15.50	176	350337	3.90	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	21536	1.71	ng/ul	0.00
70) Anthracene-d10	17.34	188	518078	4.17	ng/ul	0.00
76) Pyrene-d10	19.63	212	472374	4.98	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	432279	3.99	ng/ul	0.00

Target Compounds

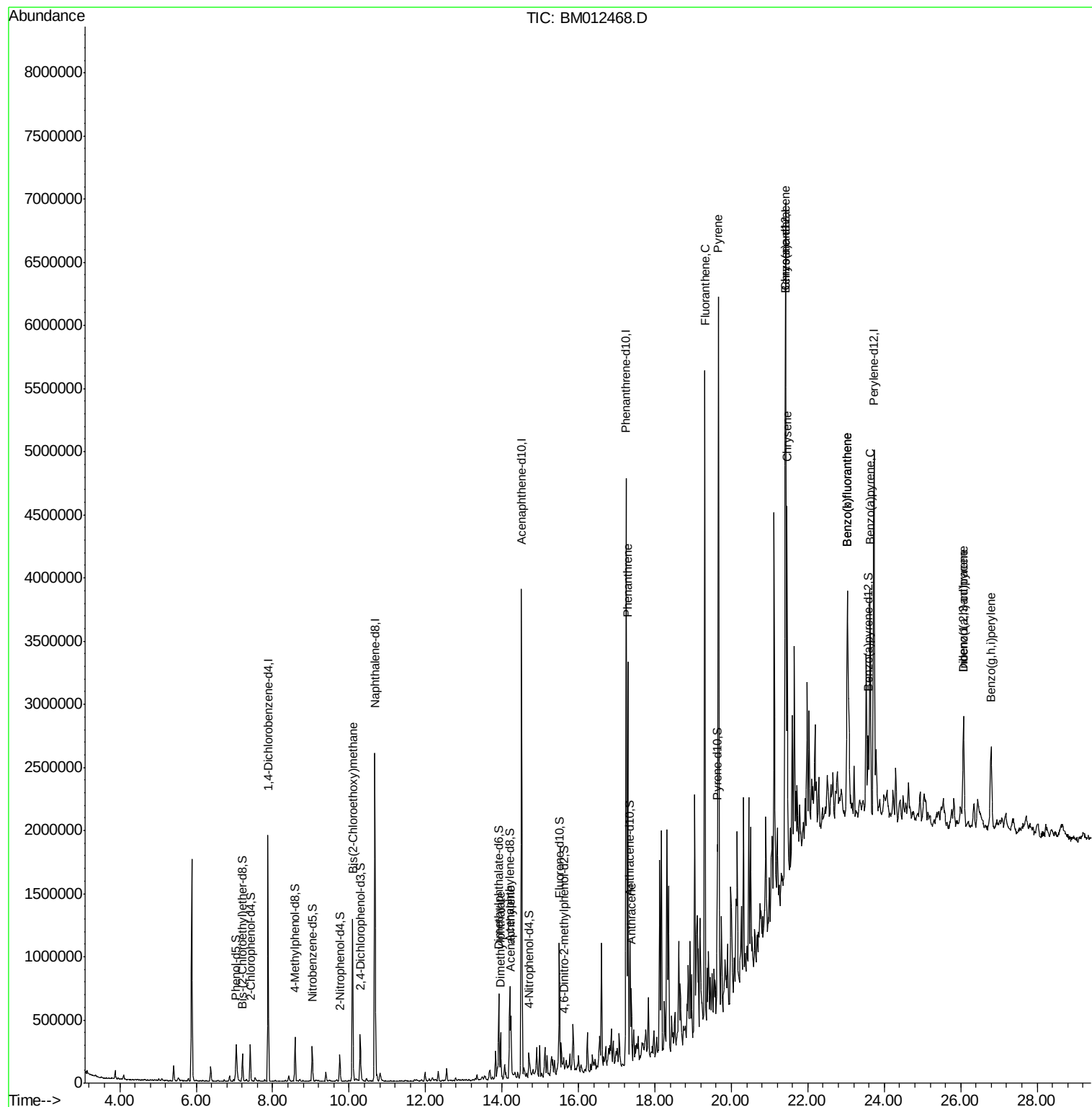
					Ovalue	
25) Bis(2-Chloroethoxy)methane	10.09	93	48450	1.112	ng/ul#	1
44) Dimethylphthalate	13.96	163	162159	1.546	ng/ul	99
47) Acenaphthylene	14.23	152	321772	2.687	ng/ul	99
69) Phenanthrene	17.29	178	1816345	12.873	ng/ul	99
71) Anthracene	17.38	178	378634	2.596	ng/ul	98
74) Fluoranthene	19.30	202	2767480	17.310	ng/ul#	94
77) Pyrene	19.66	202	3492772	29.724	ng/ul#	92
80) Benzo(a)anthracene	21.40	228	1430481	11.561	ng/ul	94
82) Chrysene	21.46	228	1584893	14.406	ng/ul	96
85) Benzo(b)fluoranthene	23.04	252	1615386	11.468	ng/ul#	97
86) Benzo(k)fluoranthene	23.04	252	1615386	12.184	ng/ul#	95
88) Benzo(a)pyrene	23.63	252	1276420	9.504	ng/ul#	98
89) Indeno(1,2,3-cd)pyrene	26.07	276	882811	5.585	ng/ul	97
90) Dibenzo(a,h)anthracene	26.07	278	255723	1.908	ng/ul#	80
91) Benzo(g,h,i)perylene	26.79	276	876086	6.839	ng/ul#	94

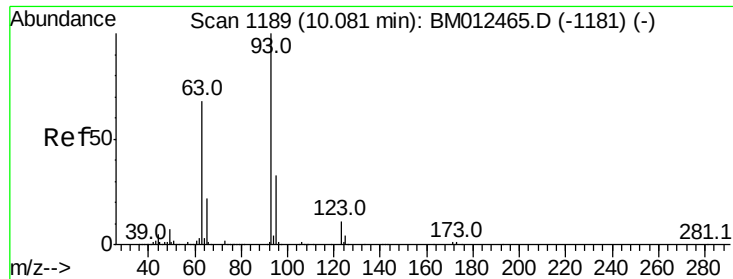
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Oct 26 09:35:31 2017
Response via : Initial Calibration





#25

Bis(2-Chloroethoxy)methane

Concen: 1.112 ng/ul

RT: 10.09 min Scan# 1191

Delta R.T. 0.01 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

Instrument :

BNA_M

ClientSampleId :

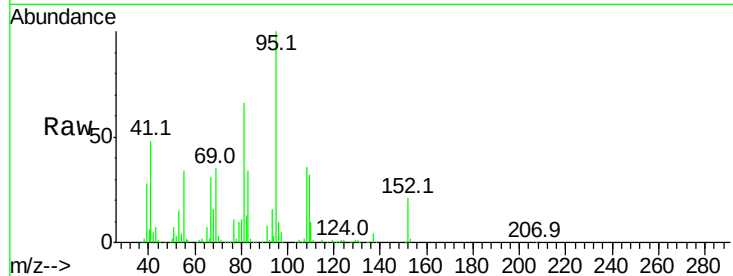
Tot Ion: 93 Resp: 48450

Ion Ratio Lower Upper

93 100

95 621.4 28.5 42.7#

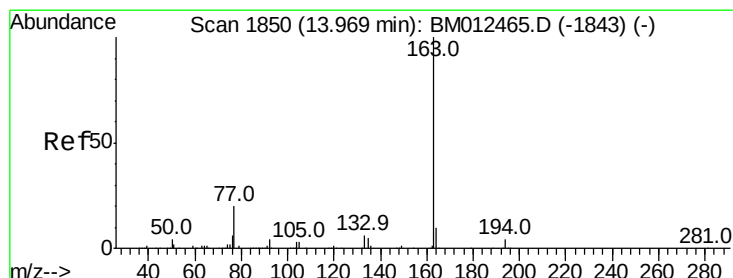
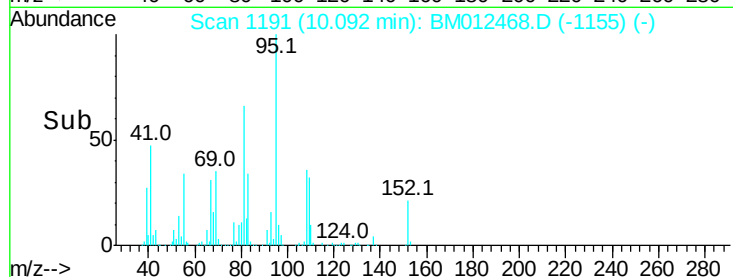
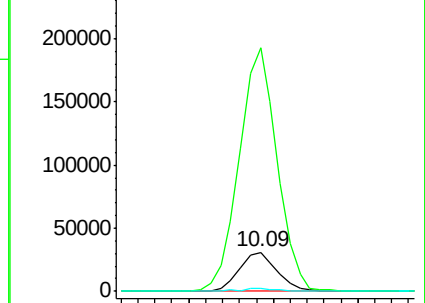
123 6.8 8.9 13.3#



Abundance Ion 93.00 (92.70 to 93.70): BM012465.D (-1181) (-)

Ion 95.00 (94.70 to 95.70): BM012465.D (-1181) (-)

Ion 123.00 (122.70 to 123.70): BM012465.D (-1181) (-)



#44

Dimethylphthalate

Concen: 1.546 ng/ul

RT: 13.96 min Scan# 1849

Delta R.T. -0.01 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

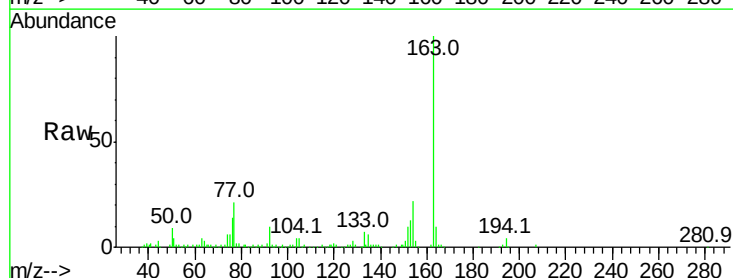
Tgt Ion: 163 Resp: 162159

Ion Ratio Lower Upper

163 100

194 4.3 3.5 5.3

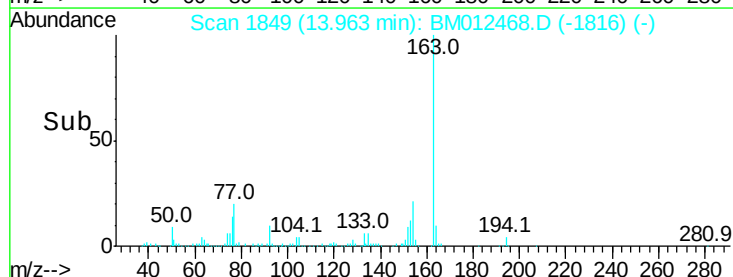
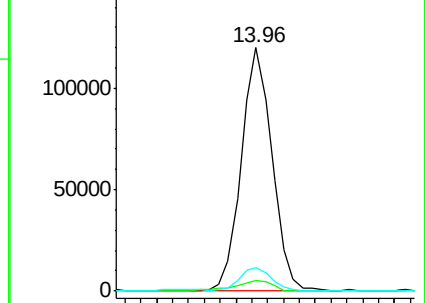
164 9.8 8.2 12.4

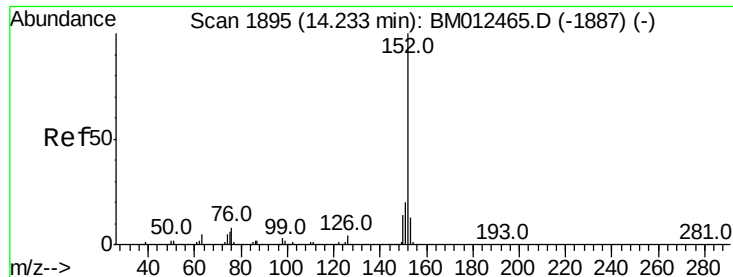


Abundance Ion 163.00 (162.70 to 163.70): BM012465.D (-1843) (-)

Ion 194.00 (193.70 to 194.70): BM012465.D (-1843) (-)

Ion 164.00 (163.70 to 164.70): BM012465.D (-1843) (-)





#47

Acenaphthylene

Concen: 2.687 ng/ul

RT: 14.23 min Scan# 1895

Delta R.T. 0.00 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

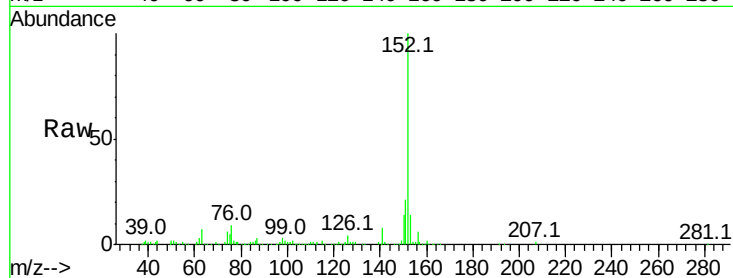
Instrument :

BNA_M

ClientSampleId :

Tot Ion:152 Resp: 321772

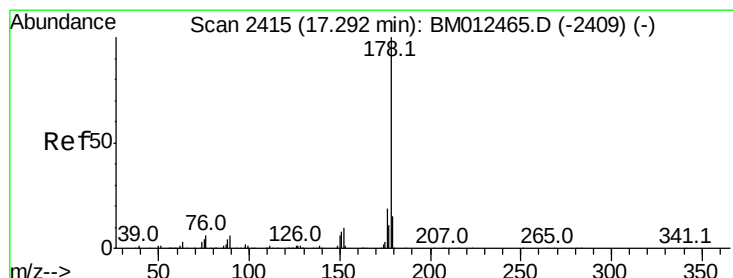
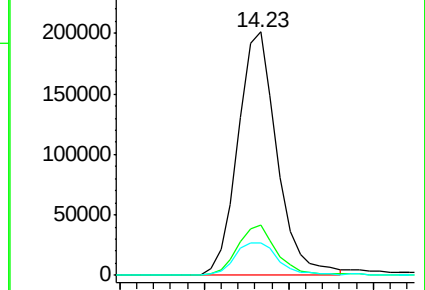
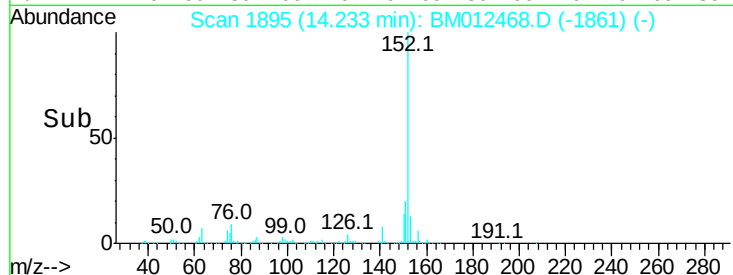
Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.3	24.5
153	13.6	10.2	15.4



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



#69

Phenanthrene

Concen: 12.873 ng/ul

RT: 17.29 min Scan# 2415

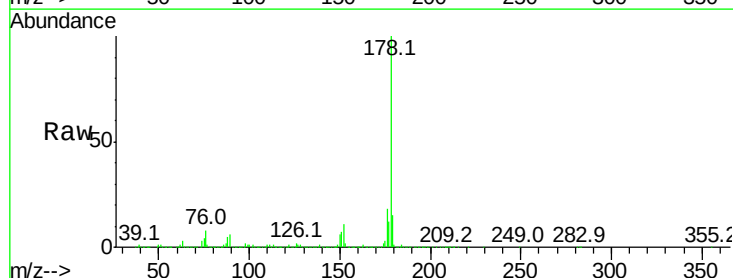
Delta R.T. 0.00 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

Tgt Ion:178 Resp: 1816345

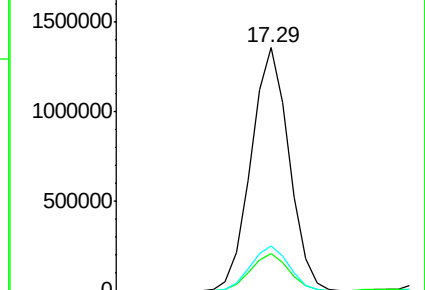
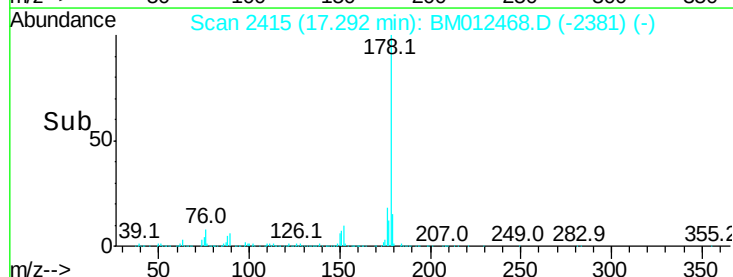
Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	18.5	14.9	22.3

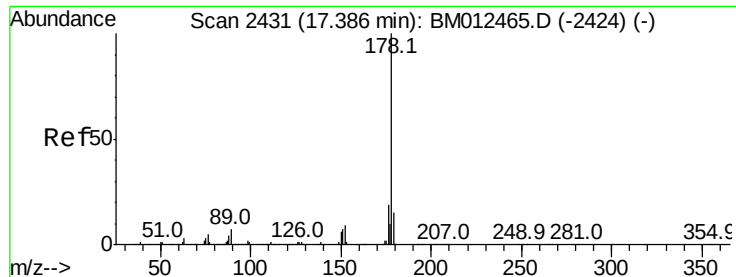


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 2.596 ng/ul

RT: 17.38 min Scan# 2430

Delta R.T. -0.01 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

Instrument :

BNA_M

ClientSampleId :

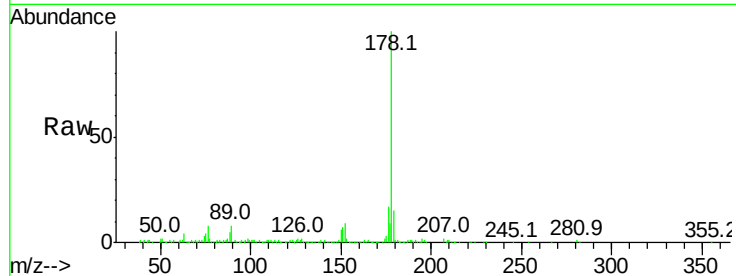
Tot Ion:178 Resp: 378634

Ion Ratio Lower Upper

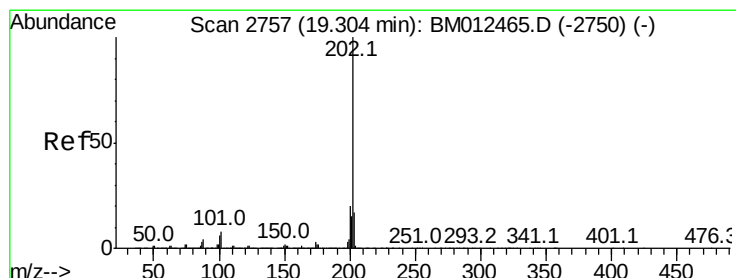
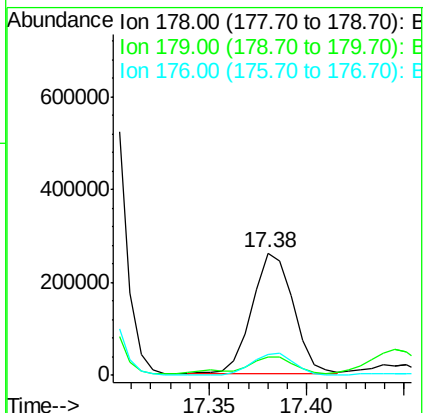
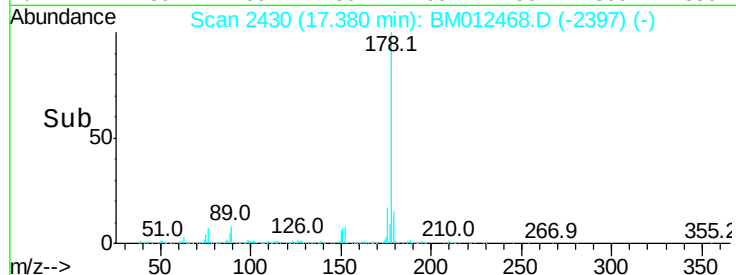
178 100

179 15.4 11.7 17.5

176 17.2 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: 17.310 ng/ul

RT: 19.30 min Scan# 2757

Delta R.T. 0.00 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

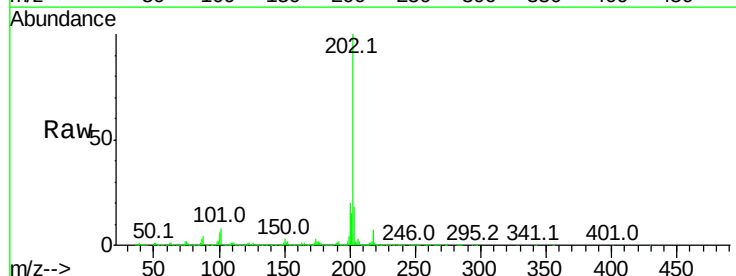
Tgt Ion:202 Resp: 2767480

Ion Ratio Lower Upper

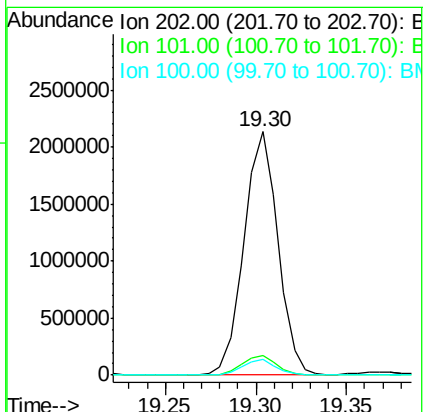
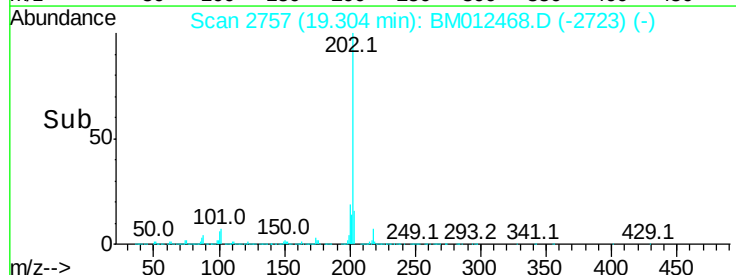
202 100

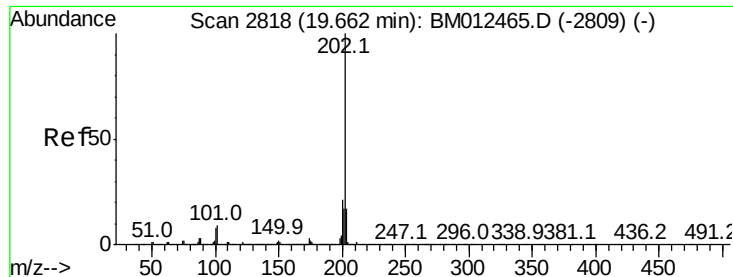
101 8.0 4.6 7.0#

100 6.4 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: 29.724 ng/ul

RT: 19.66 min Scan# 2818

Delta R.T. 0.00 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

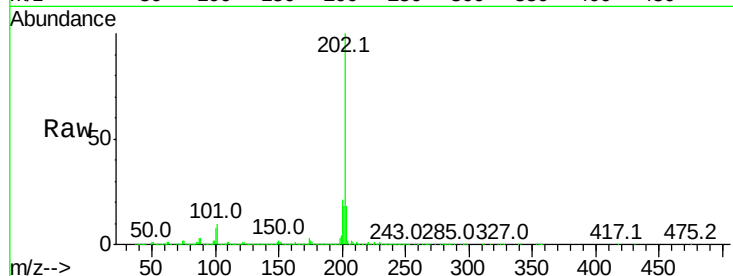
Instrument :

BNA_M

ClientSampleId :

Tot Ion:202 Resp: 3492772

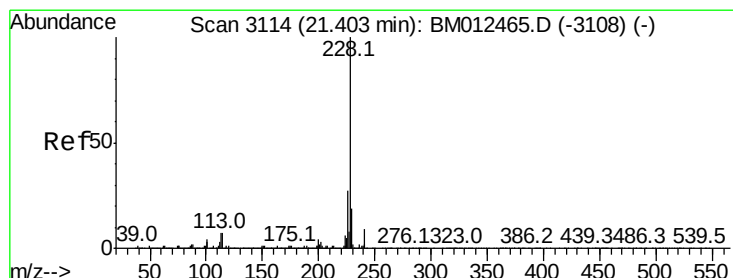
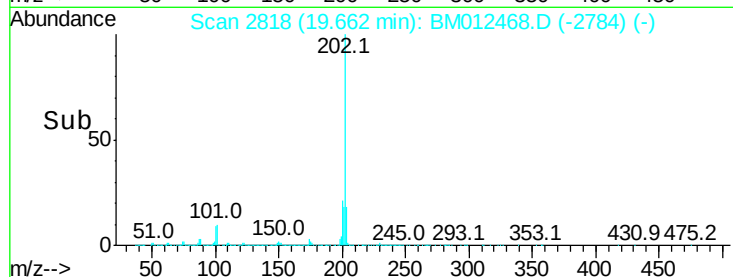
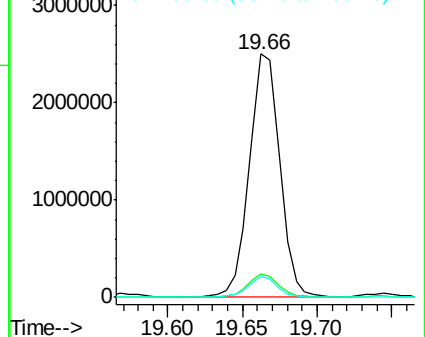
Ion	Ratio	Lower	Upper
202	100		
101	9.8	5.1	7.7#
100	8.4	4.9	7.3#



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: 11.561 ng/ul

RT: 21.40 min Scan# 3114

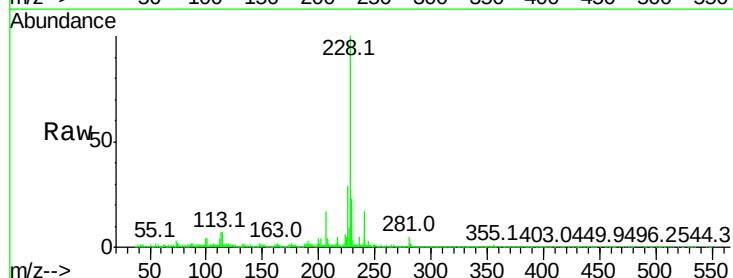
Delta R.T. 0.00 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

Tgt Ion:228 Resp: 1430481

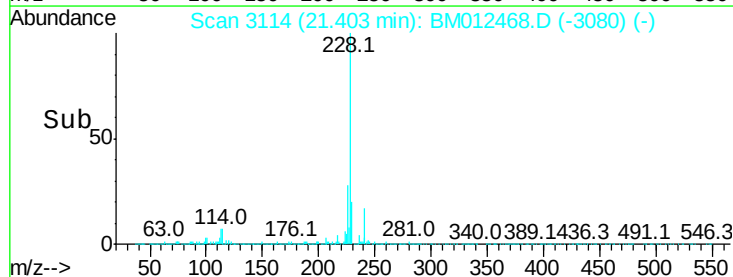
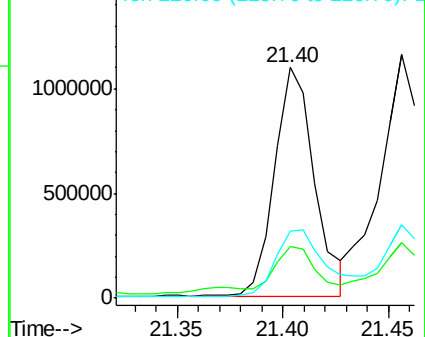
Ion	Ratio	Lower	Upper
228	100		
229	22.7	15.4	23.0
226	29.3	21.4	32.0

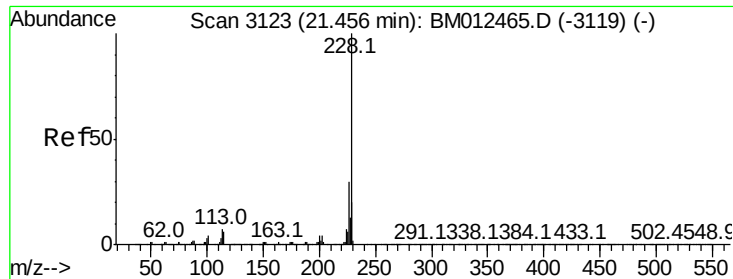


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#82

Chrysene

Concen: 14.406 ng/ul

RT: 21.46 min Scan# 3123

Delta R.T. 0.00 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

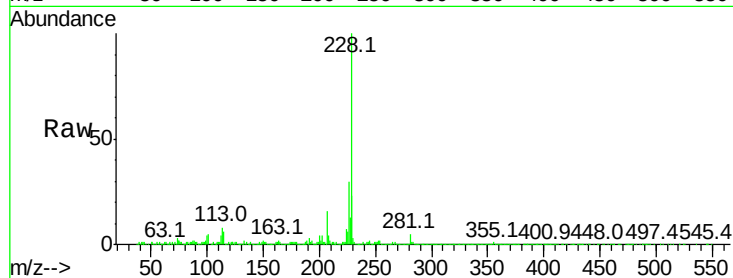
Instrument :

BNA_M

ClientSampleId :

Tot Ion:228 Resp: 1584893

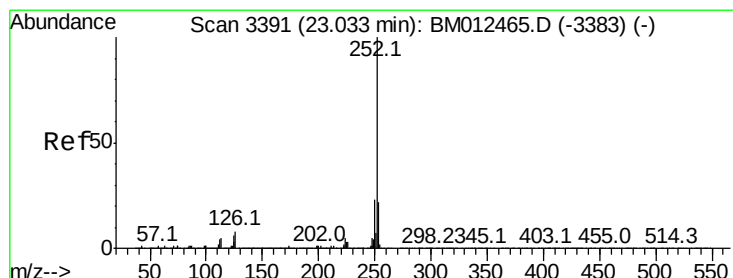
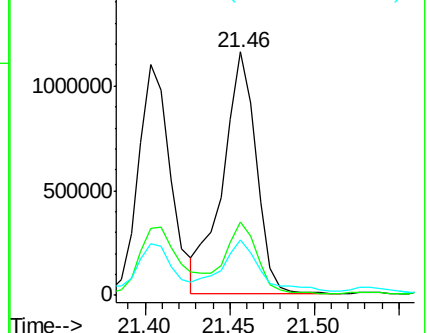
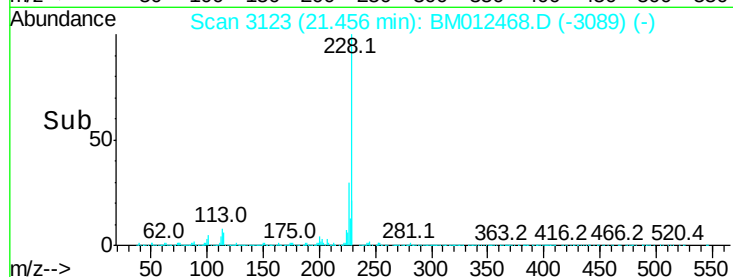
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.4	35.2
229	22.6	15.5	23.3



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: 11.468 ng/ul

RT: 23.04 min Scan# 3392

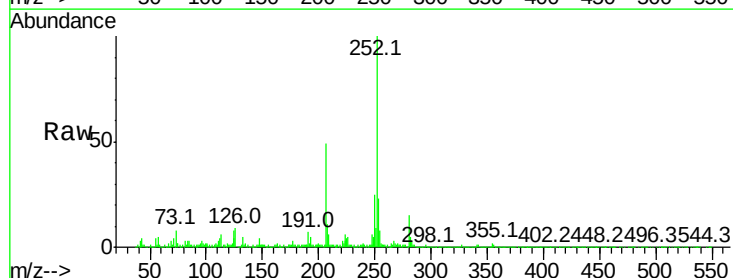
Delta R.T. 0.01 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

Tgt Ion:252 Resp: 1615386

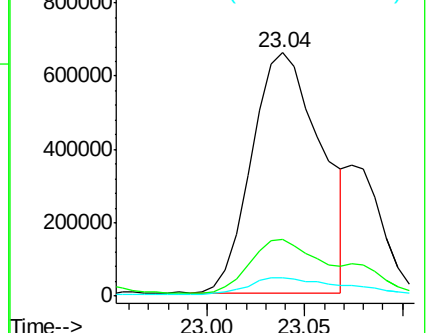
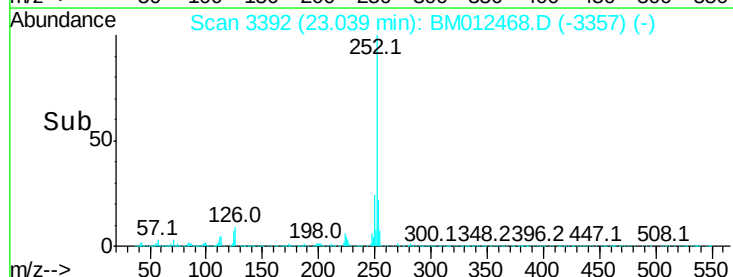
Ion	Ratio	Lower	Upper
252	100		
253	23.3	17.9	26.9
125	7.6	3.6	5.4

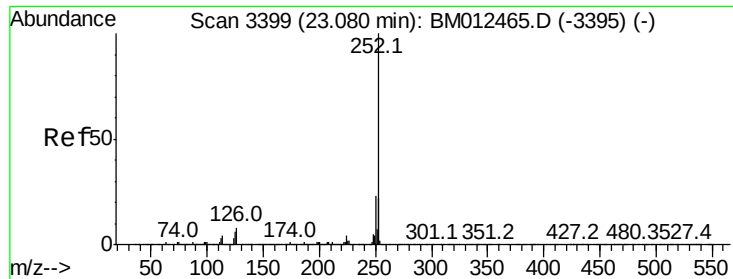


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#86

Benzo(k)fluoranthene

Concen: 12.184 ng/ul

RT: 23.04 min Scan# 3392

Delta R.T. -0.04 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

Instrument :

BNA_M

ClientSampled :

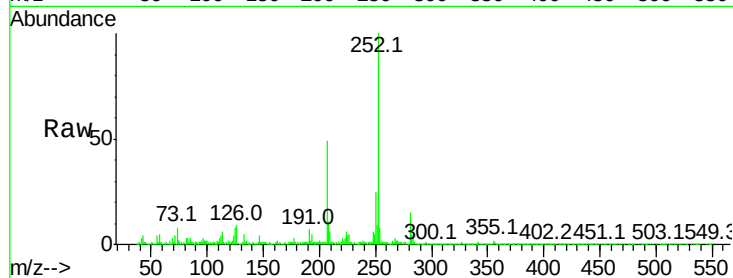
Tot Ion:252 Resp: 1615386

Ion Ratio Lower Upper

252 100

253 23.3 17.1 25.7

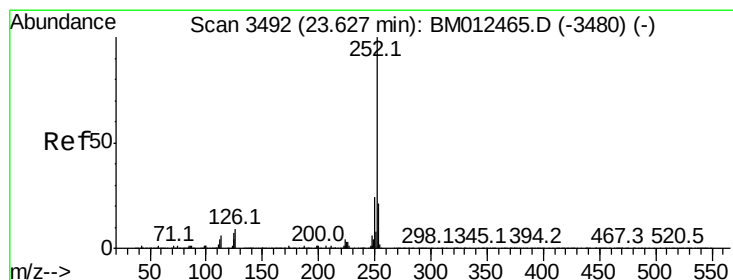
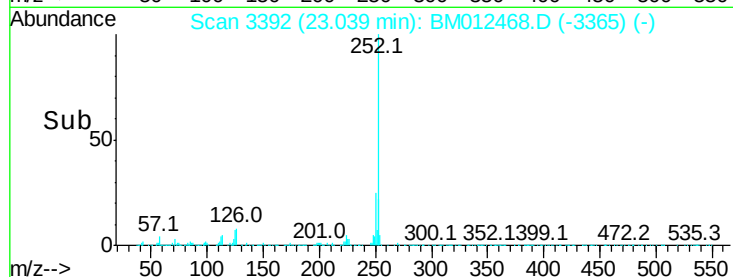
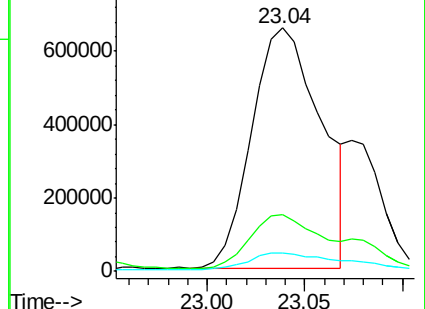
125 7.6 3.4 5.2#



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: 9.504 ng/ul

RT: 23.63 min Scan# 3492

Delta R.T. 0.00 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

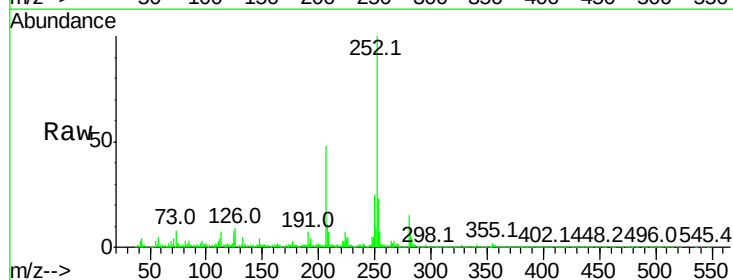
Tgt Ion:252 Resp: 1276420

Ion Ratio Lower Upper

252 100

253 22.9 18.2 27.2

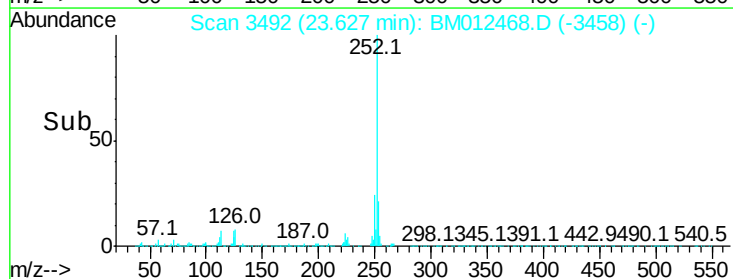
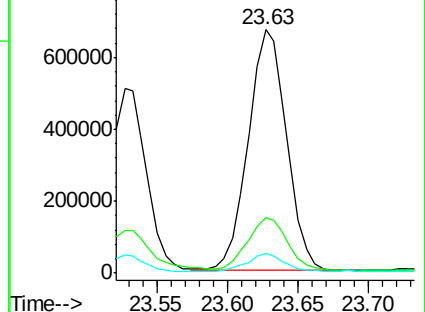
125 8.2 4.0 6.0#

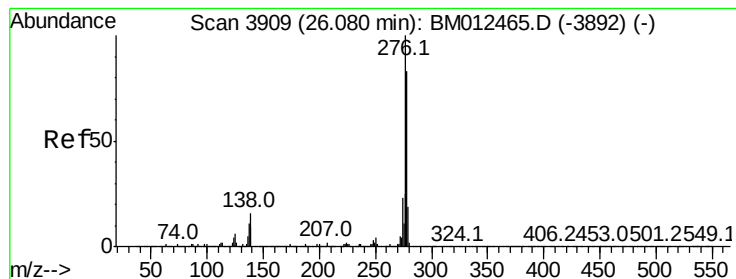


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



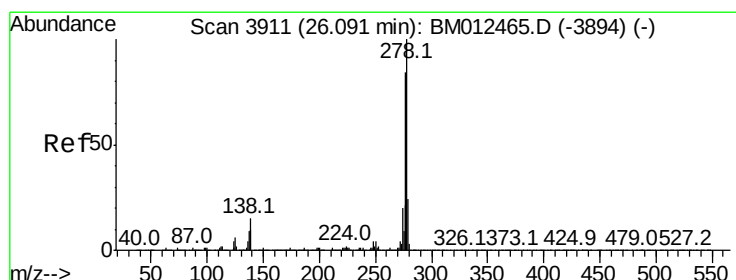
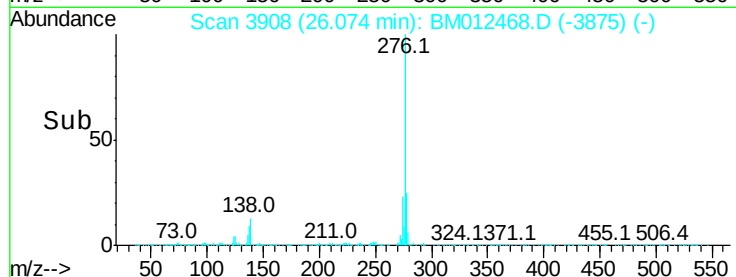
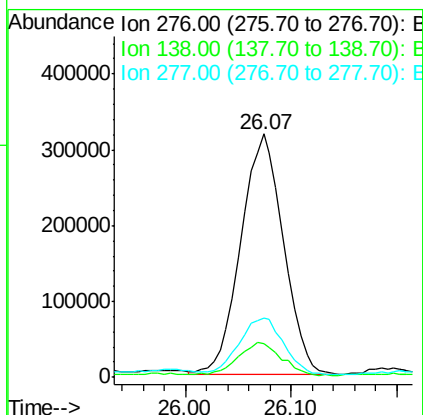
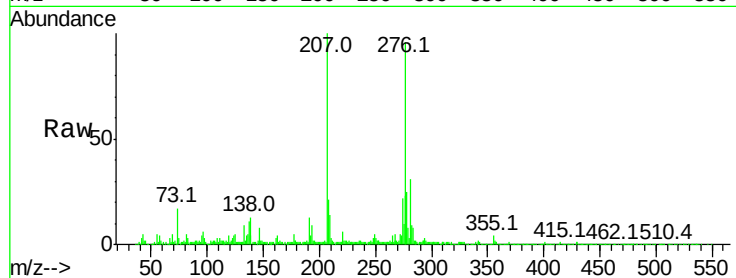


#89

Indeno(1,2,3-cd)pyrene
Concen: 5.585 ng/ul
RT: 26.07 min Scan# 3908
Delta R.T. -0.01 min
Lab File: BM012468.D
Acq: 26 Oct 2017 11:48

Instrument :
BNA_M
ClientSampleId :

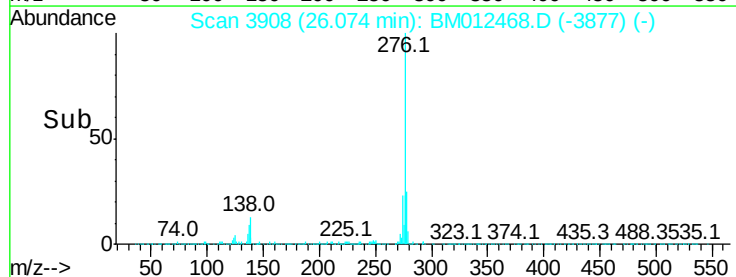
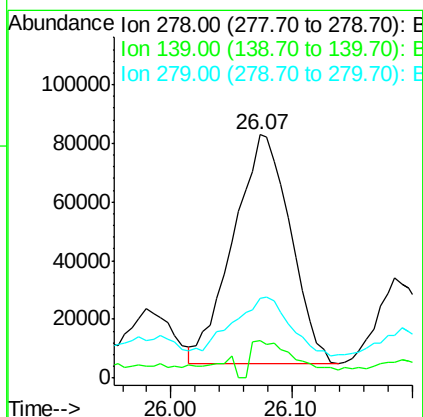
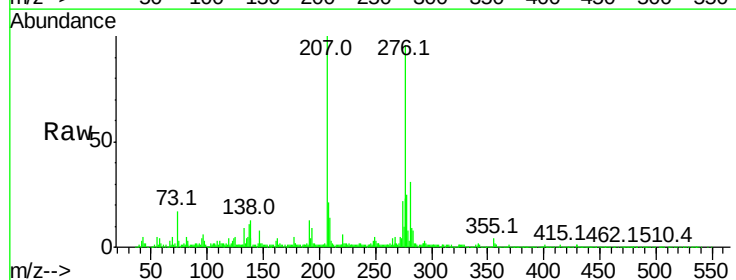
Tot Ion	Ratio	Lower	Upper
276	100		
138	13.8	9.3	13.9
277	24.3	19.9	29.9

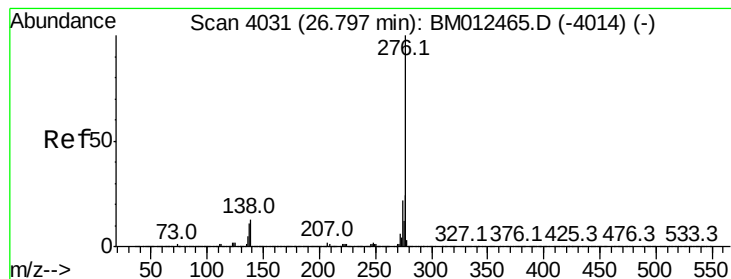


#90

Dibenzo(a,h)anthracene
Concen: 1.908 ng/ul
RT: 26.07 min Scan# 3908
Delta R.T. -0.02 min
Lab File: BM012468.D
Acq: 26 Oct 2017 11:48

Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.3	5.8	8.8#
279	32.6	18.6	27.8#





#91

Benzo(a,h,i)perylene

Concen: 6.839 ng/ul

RT: 26.79 min Scan# 4030

Delta R.T. -0.01 min

Lab File: BM012468.D

Acq: 26 Oct 2017 11:48

Instrument :

BNA_M

ClientSampleId :

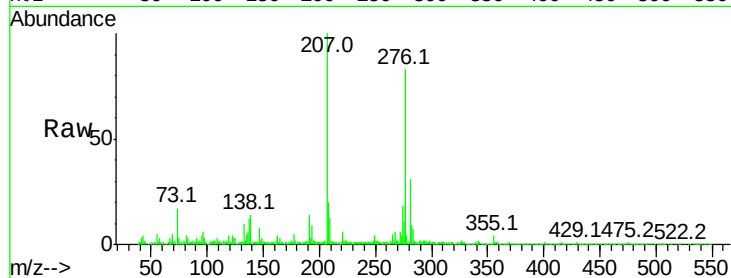
Tot Ion:276 Resp: 876086

Ion Ratio Lower Upper

276 100

138 16.4 8.5 12.7#

277 23.9 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

