

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101117\
 Data File : BM012090.D
 Acq On : 12 Oct 2017 04:14
 Operator : SJ/JU
 Sample : I5649-08
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 12 06:43:19 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 04:22:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	370124	20.00	ng/ul	0.00
18) Naphthalene-d8	10.64	136	1476053	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	798945	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1645583	20.00	ng/ul	0.00
75) Chrysene-d12	21.42	240	1679018	20.00	ng/ul	0.00
83) Perylene-d12	23.74	264	1862263	20.00	ng/ul	0.01

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	16793	2.15	ng/uL	0.00
5) Phenol-d5	7.00	99	318833	10.01	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	198442	10.53	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	280588	10.98	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	257324	9.35	ng/ul	0.00
19) Nitrobenzene-d5	9.00	128	125953	11.98	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	143571	12.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	277230	11.59	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	220666	8.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.89	166	848037	12.25	ng/ul	0.00
46) Acenaphthylene-d8	14.18	160	1019563	12.53	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	63869	5.28	ng/ul	0.01
57) Fluorene-d10	15.48	176	700376	11.46	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.62	200	31967	2.89	ng/ul	0.00
70) Anthracene-d10	17.33	188	1032868	12.74	ng/ul	0.00
76) Pyrene-d10	19.63	212	1083922	14.31	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.59	264	1165619	13.01	ng/ul	0.00

Target Compounds

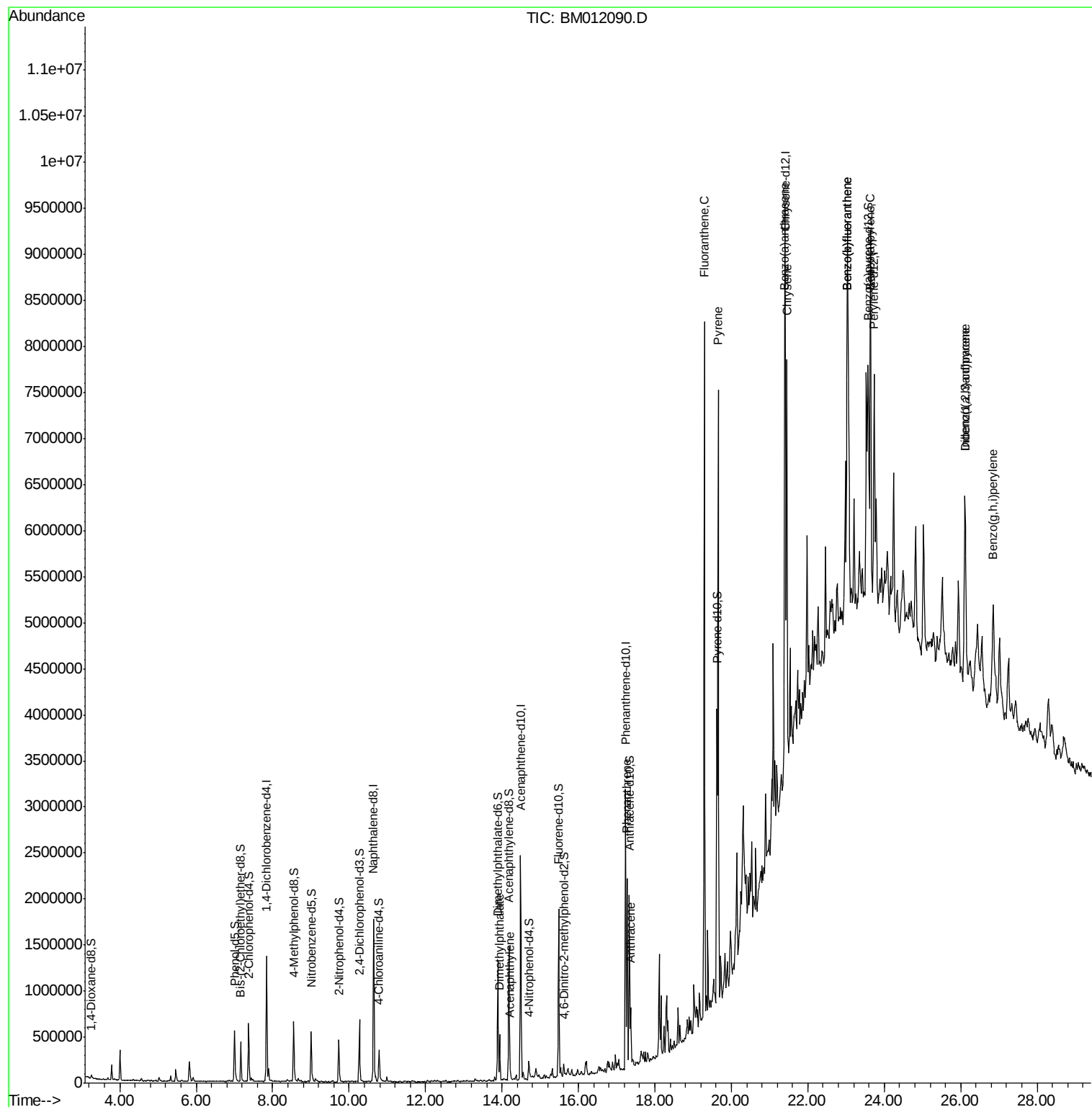
					Ovalue	
44) Dimethylphthalate	13.94	163	288287	4.328	ng/ul	99
47) Acenaphthylene	14.21	152	90211	1.143	ng/ul	97
69) Phenanthrene	17.27	178	1201323	13.272	ng/ul	99
71) Anthracene	17.37	178	403625	4.382	ng/ul	98
74) Fluoranthene	19.29	202	4352467	39.409	ng/ul#	91
77) Pyrene	19.66	202	3944468	42.369	ng/ul#	90
80) Benzo(a)anthracene	21.40	228	2827759	29.398	ng/ul	97
82) Chrysene	21.45	228	2331863	25.515	ng/ul	97
85) Benzo(b)fluoranthene	23.04	252	3797637	33.550	ng/ul#	95
86) Benzo(k)fluoranthene	23.04	252	3797637	33.605	ng/ul#	93
88) Benzo(a)pyrene	23.64	252	2791337	25.663	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.11	276	1819054	15.629	ng/ul#	93
90) Dibenzo(a,h)anthracene	26.11	278	456892	4.777	ng/ul#	74
91) Benzo(g,h,i)perylene	26.85	276	1409220	14.637	ng/ul#	90

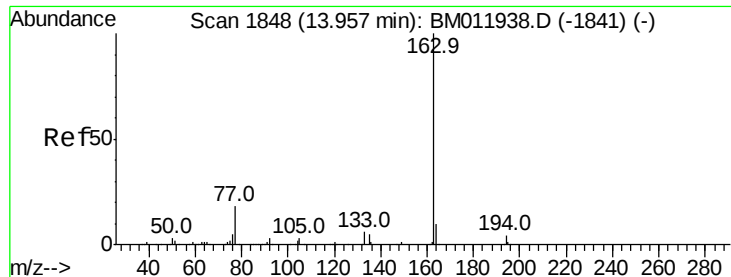
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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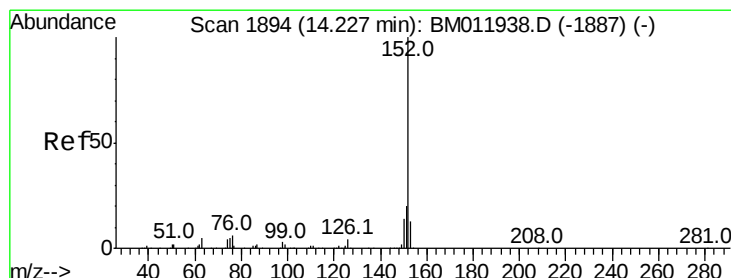
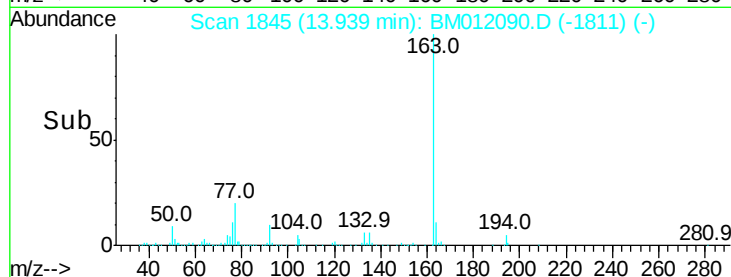
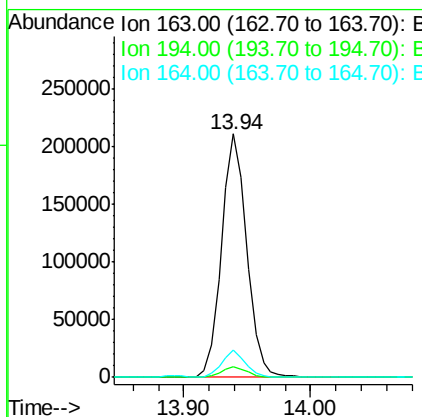
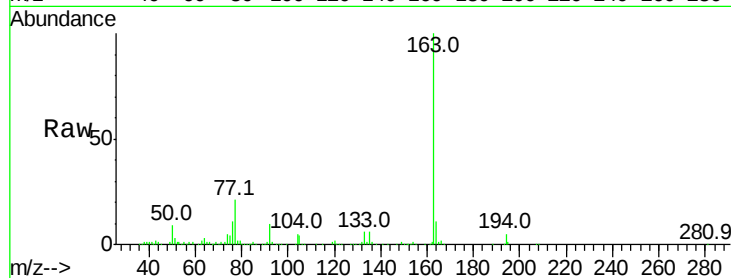




#44
Dimethylphthalate
Concen: 4.328 ng/ul
RT: 13.94 min Scan# 1845
Delta R.T. 0.00 min
Lab File: BM012090.D
Acq: 12 Oct 2017 04:14

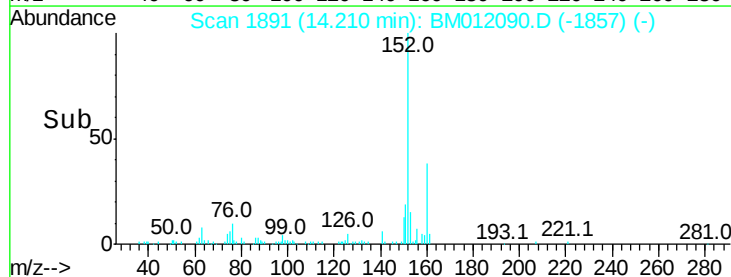
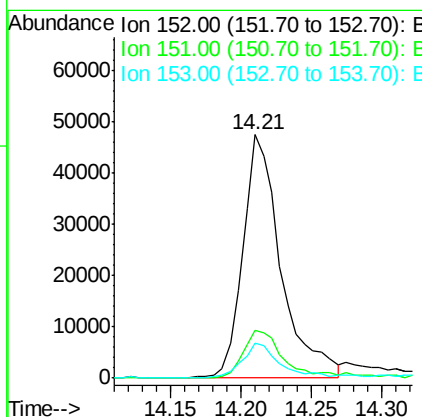
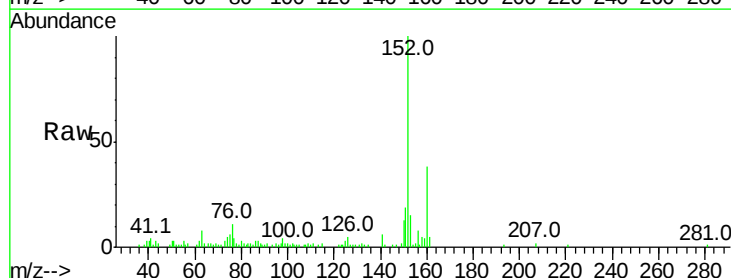
Instrument :
BNA_M
ClientSampleId :

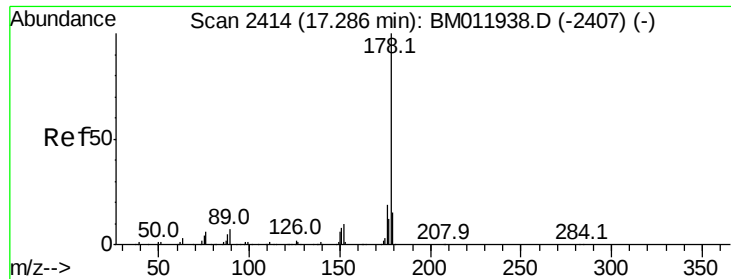
Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.5	5.3
164	11.0	8.2	12.4



#47
Acenaphthylene
Concen: 1.143 ng/ul
RT: 14.21 min Scan# 1891
Delta R.T. 0.00 min
Lab File: BM012090.D
Acq: 12 Oct 2017 04:14

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.3	24.5
153	14.5	10.2	15.4





#69

Phenanthrene

Concen: 13.272 ng/ul

RT: 17.27 min Scan# 2412

Delta R.T. -0.00 min

Lab File: BM012090.D

Acq: 12 Oct 2017 04:14

Instrument :

BNA_M

ClientSampled :

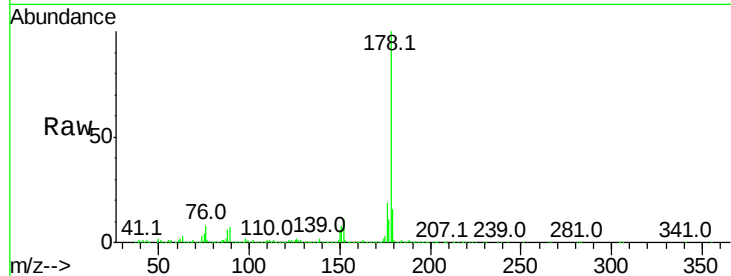
Tot Ion:178 Resp: 1201323

Ion Ratio Lower Upper

178 100

179 15.5 12.6 19.0

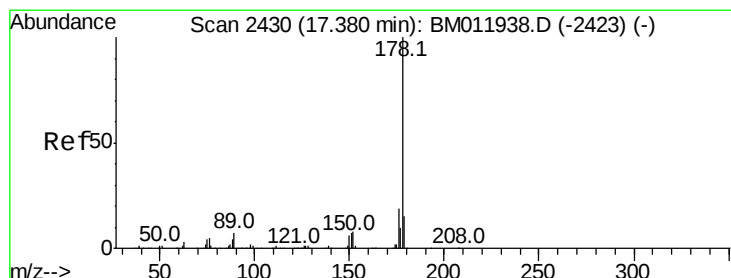
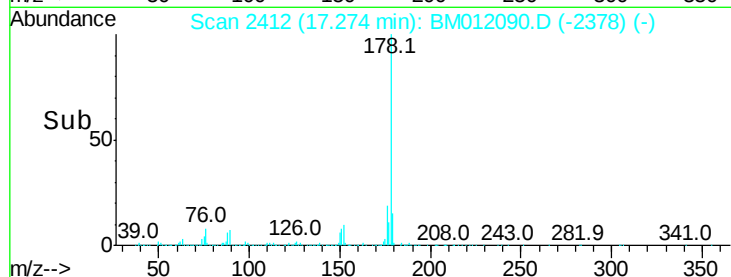
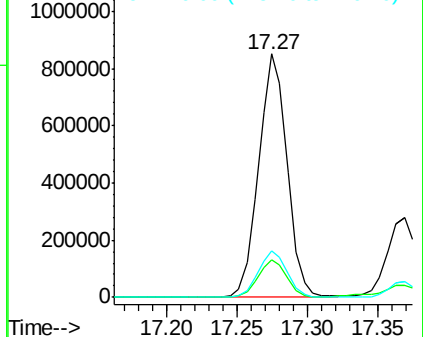
176 19.1 14.9 22.3



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: 4.382 ng/ul

RT: 17.37 min Scan# 2428

Delta R.T. -0.00 min

Lab File: BM012090.D

Acq: 12 Oct 2017 04:14

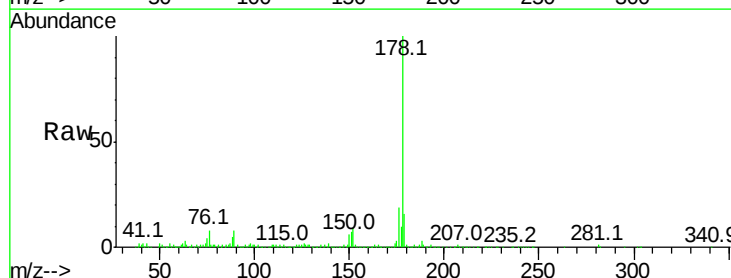
Tgt Ion:178 Resp: 403625

Ion Ratio Lower Upper

178 100

179 15.7 11.7 17.5

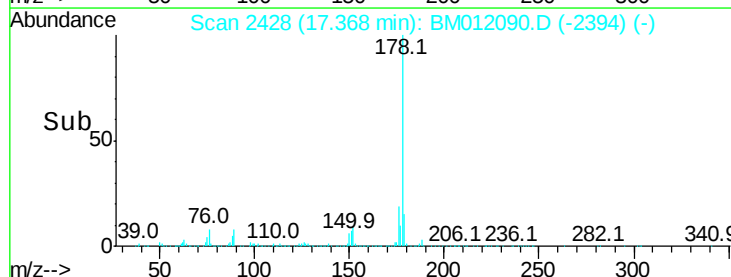
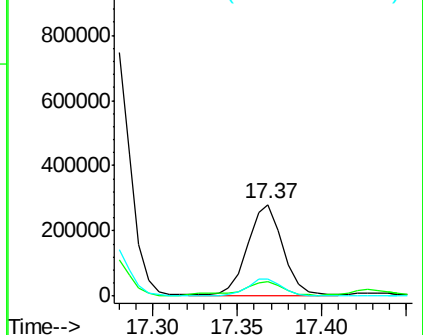
176 19.2 14.6 21.8

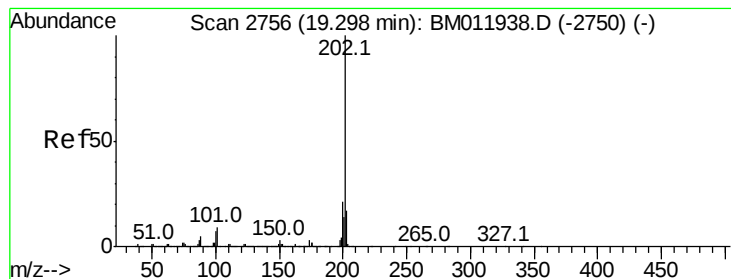


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 39.409 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. -0.00 min

Lab File: BM012090.D

Acq: 12 Oct 2017 04:14

Instrument :

BNA_M

ClientSampleId :

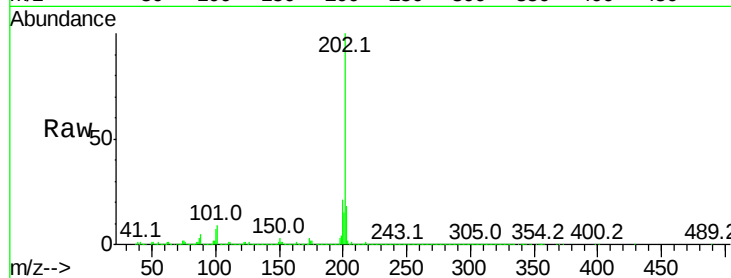
Tot Ion:202 Resp: 4352467

Ion Ratio Lower Upper

202 100

101 9.1 4.6 7.0#

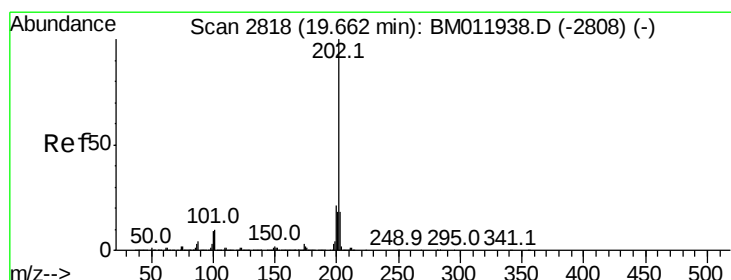
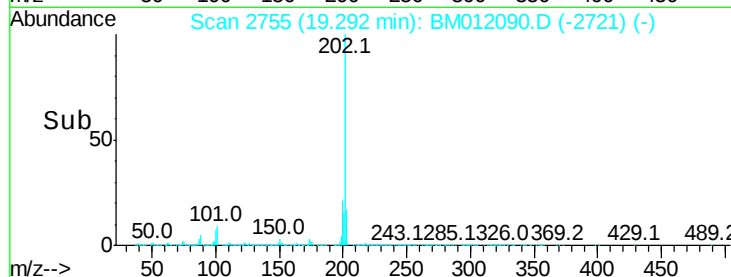
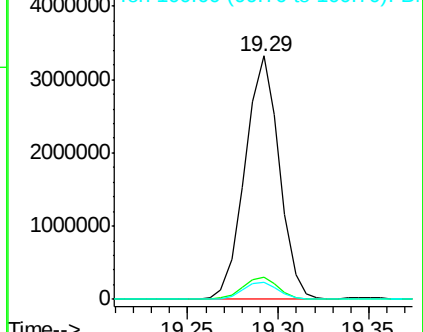
100 7.1 3.4 5.2#



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: 42.369 ng/ul

RT: 19.66 min Scan# 2817

Delta R.T. 0.01 min

Lab File: BM012090.D

Acq: 12 Oct 2017 04:14

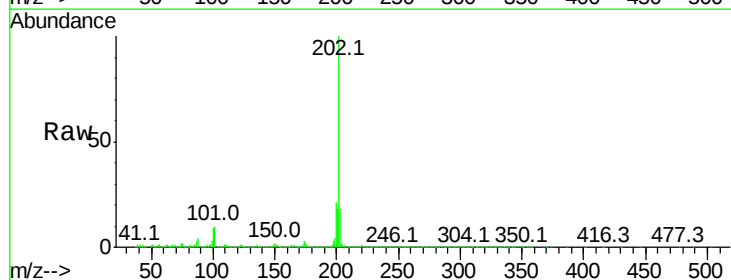
Tgt Ion:202 Resp: 3944468

Ion Ratio Lower Upper

202 100

101 10.5 5.1 7.7#

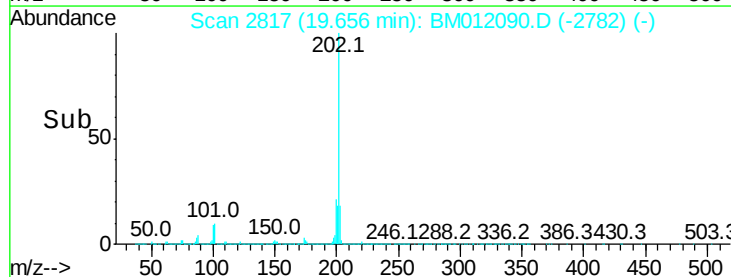
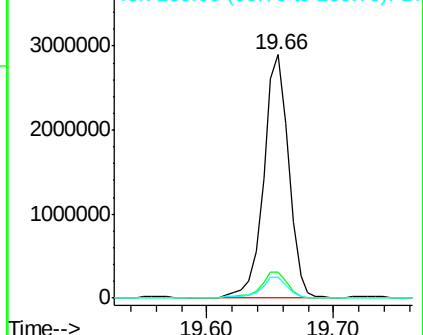
100 8.8 4.9 7.3#

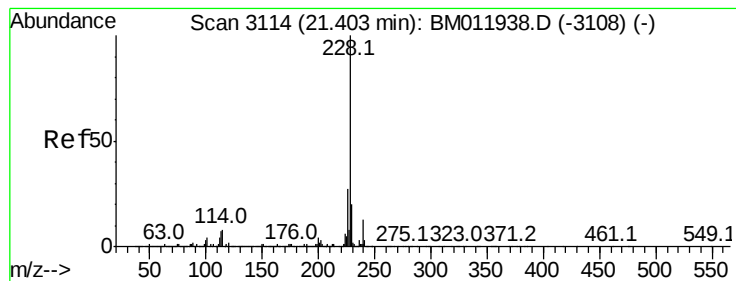


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 29.398 ng/ul

RT: 21.40 min Scan# 3113

Delta R.T. 0.01 min

Lab File: BM012090.D

Acq: 12 Oct 2017 04:14

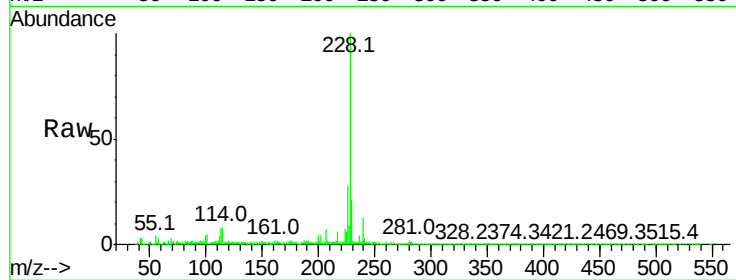
Instrument :

BNA_M

ClientSampled :

Tot Ion:228 Resp: 2827759

Ion	Ratio	Lower	Upper
228	100		
229	20.7	15.4	23.0
226	27.7	21.4	32.0

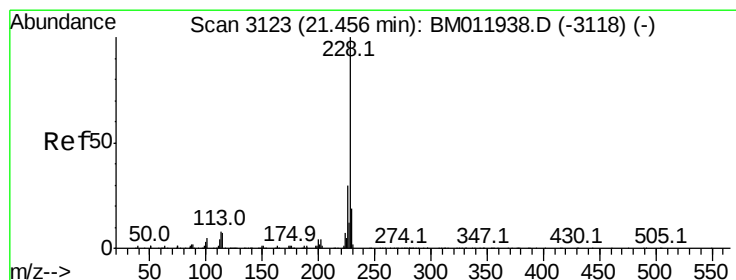
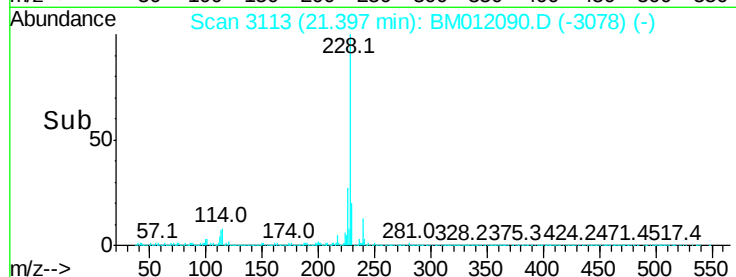
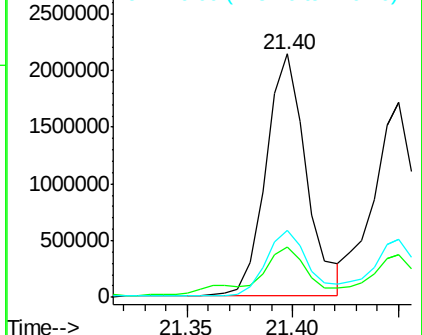


Abundance

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: 25.515 ng/ul

RT: 21.45 min Scan# 3122

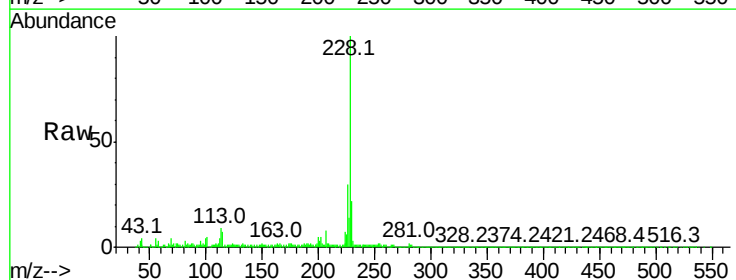
Delta R.T. 0.01 min

Lab File: BM012090.D

Acq: 12 Oct 2017 04:14

Tgt Ion:228 Resp: 2331863

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.4	35.2
229	22.0	15.5	23.3

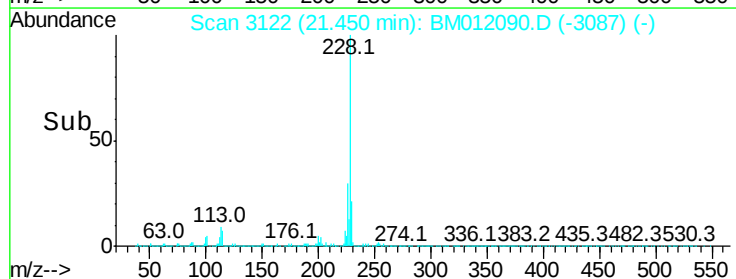
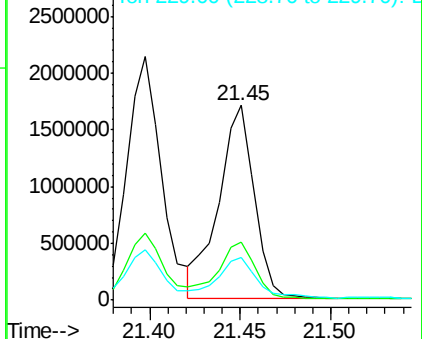


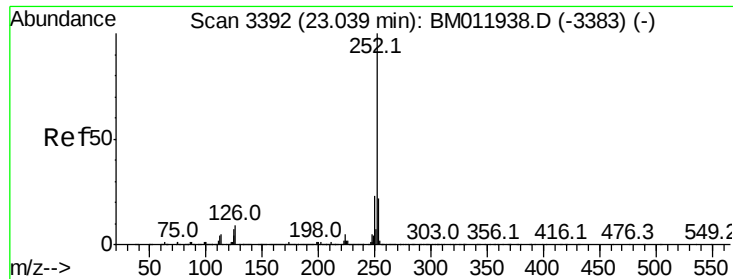
Abundance

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: 33.550 ng/u1

RT: 23.04 min Scan# 3392

Delta R.T. 0.01 min

Lab File: BM012090.D

Acq: 12 Oct 2017 04:14

Instrument :

BNA_M

ClientSampleId :

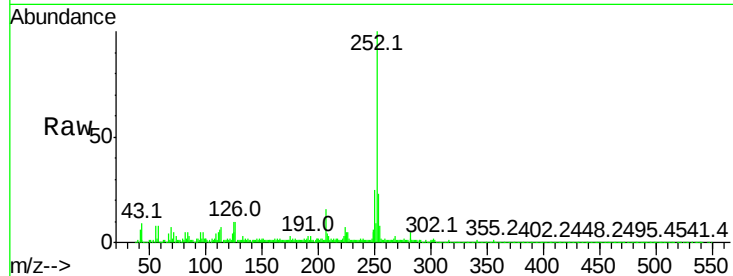
Tot Ion:252 Resp: 3797637

Ion Ratio Lower Upper

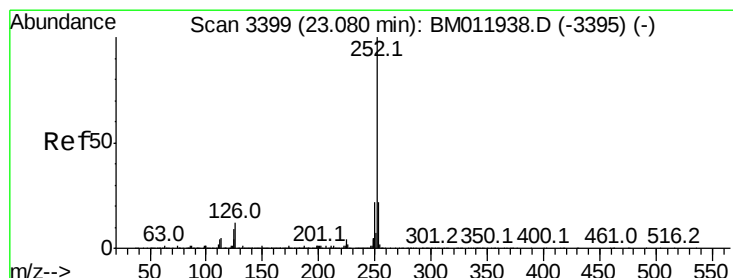
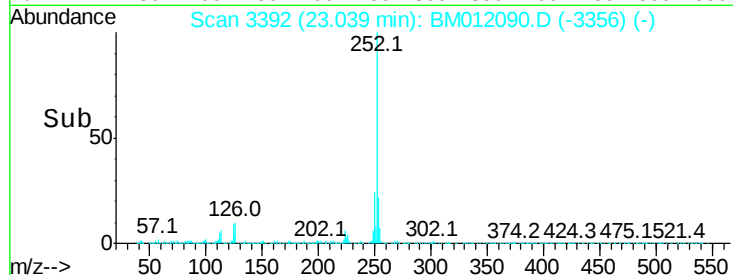
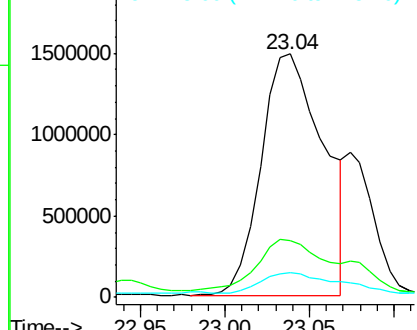
252 100

253 23.5 17.9 26.9

125 10.2 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: 33.605 ng/u1

RT: 23.04 min Scan# 3392

Delta R.T. -0.03 min

Lab File: BM012090.D

Acq: 12 Oct 2017 04:14

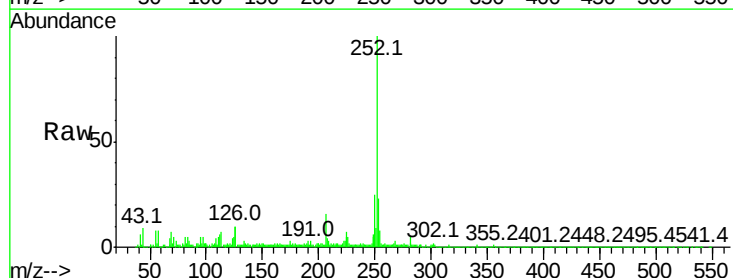
Tgt Ion:252 Resp: 3797637

Ion Ratio Lower Upper

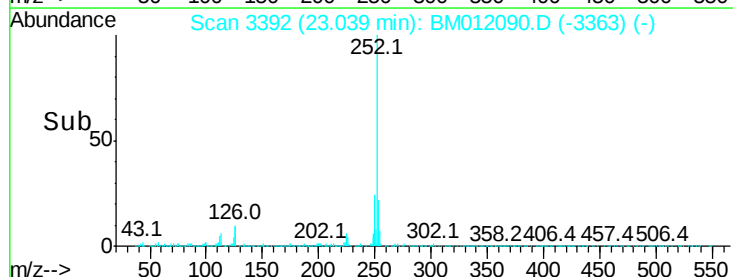
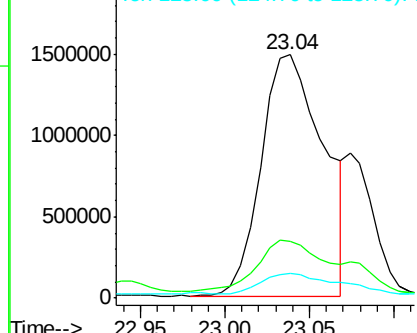
252 100

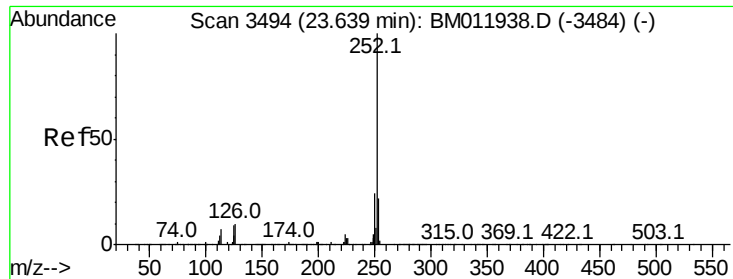
253 23.5 17.1 25.7

125 10.2 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: 25.663 ng/ul

RT: 23.64 min Scan# 3494

Delta R.T. 0.01 min

Lab File: BM012090.D

Acq: 12 Oct 2017 04:14

Instrument :

BNA_M

ClientSampleId :

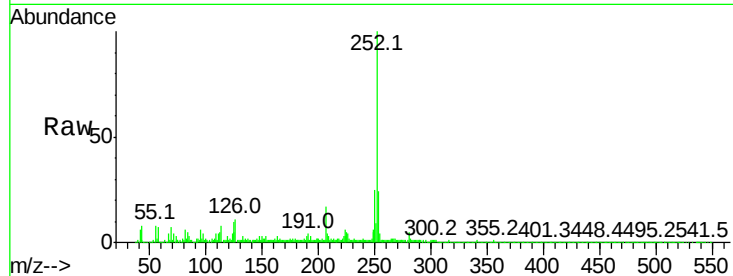
Tot Ion:252 Resp: 2791337

Ion Ratio Lower Upper

252 100

253 24.0 18.2 27.2

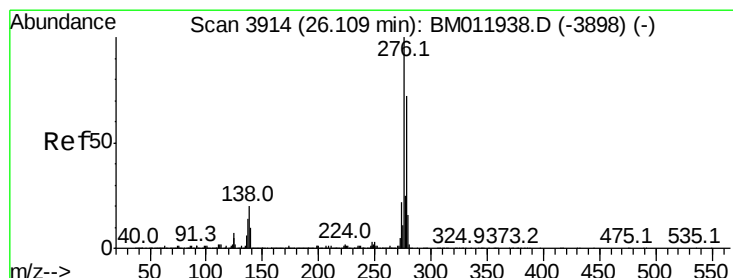
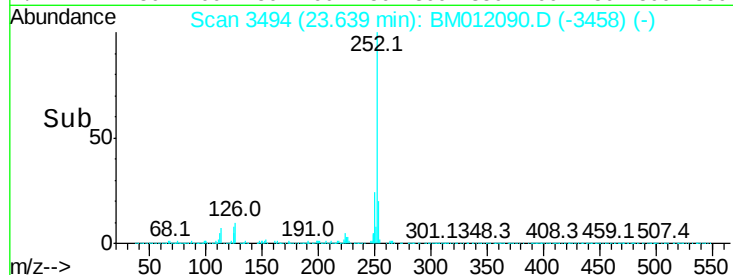
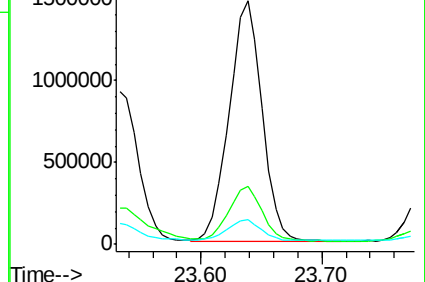
125 9.9 4.0 6.0#



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: 15.629 ng/ul

RT: 26.11 min Scan# 3915

Delta R.T. 0.02 min

Lab File: BM012090.D

Acq: 12 Oct 2017 04:14

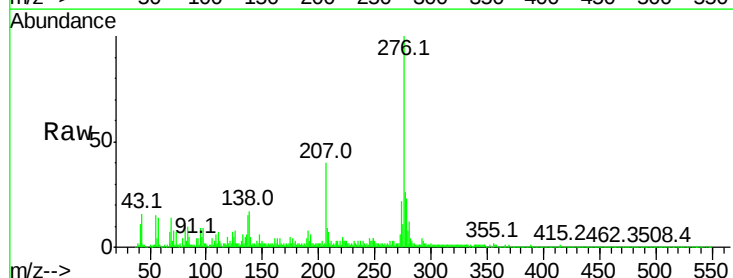
Tgt Ion:276 Resp: 1819054

Ion Ratio Lower Upper

276 100

138 17.4 9.3 13.9#

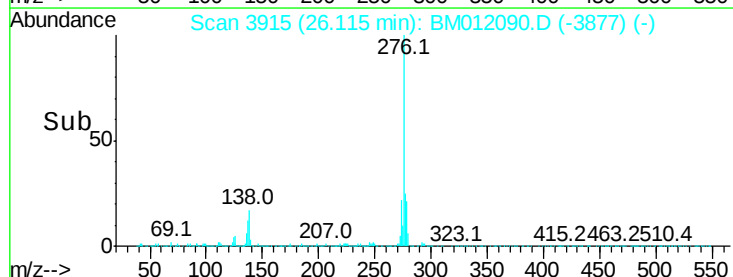
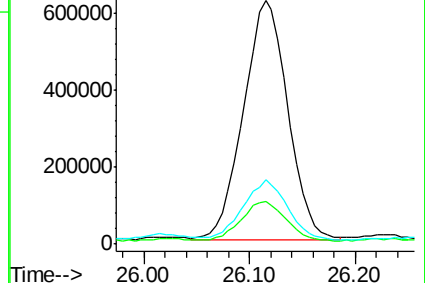
277 26.4 19.9 29.9

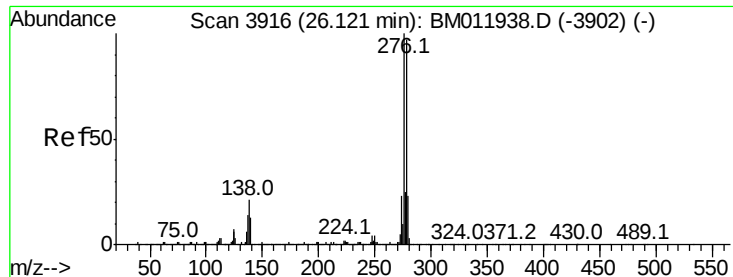


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#90

Dibenzo(a,h)anthracene

Concen: 4.777 ng/ul

RT: 26.11 min Scan# 3915

Delta R.T. 0.01 min

Lab File: BM012090.D

Acq: 12 Oct 2017 04:14

Instrument :

BNA_M

ClientSampleId :

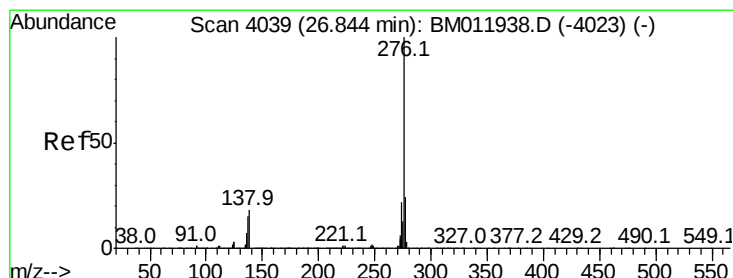
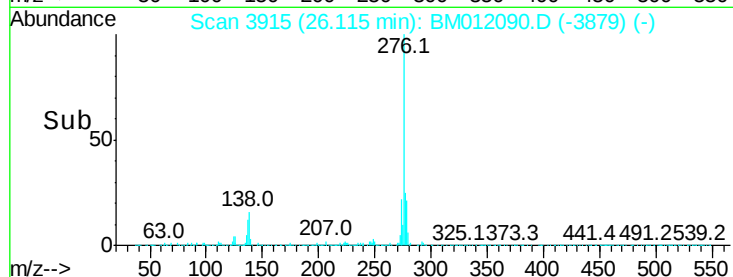
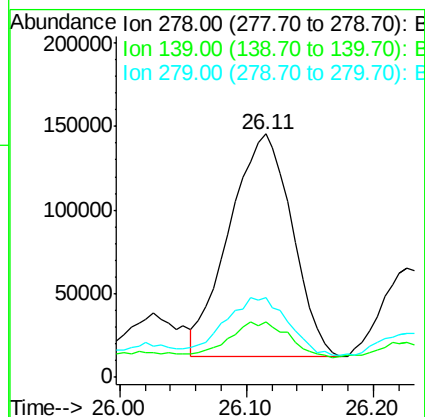
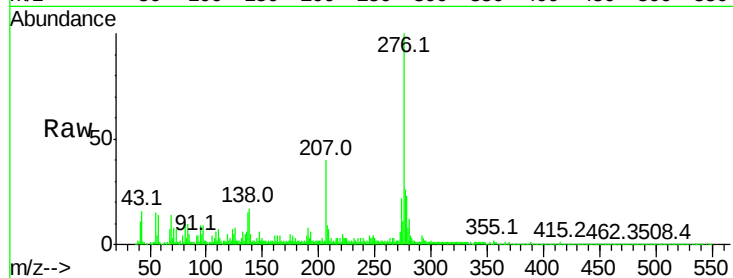
Tot Ion:278 Resp: 456892

Ion Ratio Lower Upper

278 100

139 22.7 5.8 8.8#

279 32.9 18.6 27.8#



#91

Benzo(g,h,i)perylene

Concen: 14.637 ng/ul

RT: 26.85 min Scan# 4040

Delta R.T. 0.03 min

Lab File: BM012090.D

Acq: 12 Oct 2017 04:14

Tgt Ion:276 Resp: 1409220

Ion Ratio Lower Upper

276 100

138 18.5 8.5 12.7#

277 25.8 18.6 28.0

