

Data Path : Z:\HPCHEM1\BNA M\DATA\BM100917\
 Data File : BM012032.D
 Acq On : 10 Oct 2017 02:52
 Operator : SJ/JU
 Sample : I5414-16RX
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 B0BN5

Quant Time: Oct 10 03:36:54 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Oct 10 02:27:01 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	195121	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	865492	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	535189	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.24	188	1324658	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1811370	20.00	ng/ul	0.00
83) Perylene-d12	23.73	264	1856446	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	16190	3.92	ng/uL	0.00
5) Phenol-d5	7.00	99	307447	18.31	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.17	67	194426	19.57	ng/ul	0.00
9) 2-Chlorophenol-d4	7.37	132	271826	20.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.55	113	273355	18.84	ng/ul	0.00
19) Nitrobenzene-d5	9.01	128	125014	20.28	ng/ul	0.00
22) 2-Nitrophenol-d4	9.73	143	137293	19.78	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.27	165	292112	20.82	ng/ul	0.00
29) 4-Chloroaniline-d4	10.79	131	242792	15.86	ng/ul	0.00
43) Dimethylphthalate-d6	13.90	166	1008558	21.74	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	1196484	21.95	ng/ul	0.00
51) 4-Nitrophenol-d4	14.70	143	85508	10.55	ng/ul	0.00
57) Fluorene-d10	15.48	176	907933	22.18	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.61	200	122707	13.77	ng/ul	0.00
70) Anthracene-d10	17.33	188	1449754	22.21	ng/ul	0.00
76) Pyrene-d10	19.63	212	1896268	23.21	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.58	264	2024375	22.67	ng/ul	0.00

Target Compounds

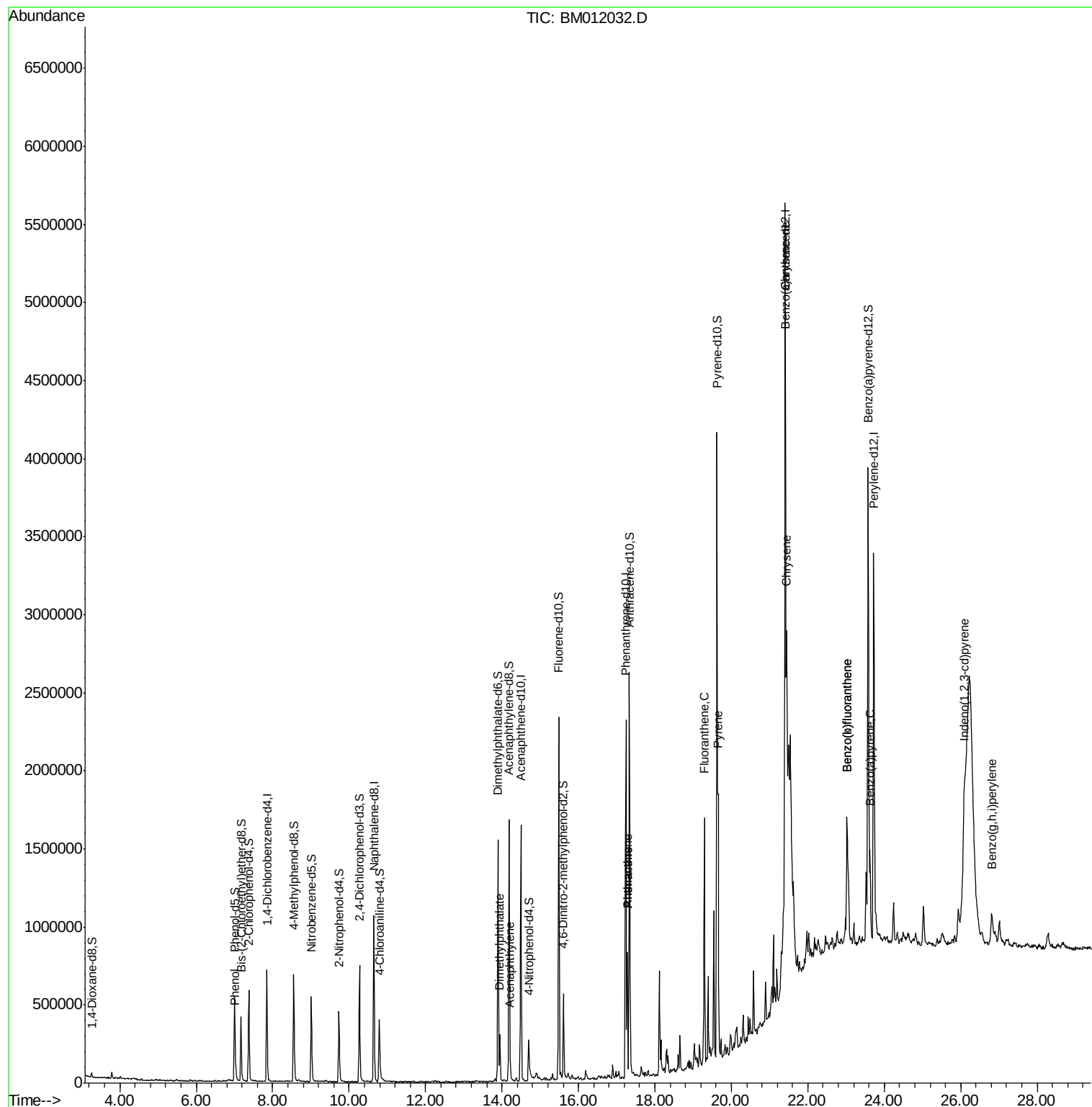
				Ovalue	
6) Phenol	7.03	94	28615	1.723	ng/ul 96
44) Dimethylphthalate	13.95	163	186382	4.177	ng/ul 100
47) Acenaphthylene	14.22	152	71376	1.351	ng/ul 98
69) Phenanthrene	17.28	178	488344	6.702	ng/ul 99
71) Anthracene	17.28	178	488344	6.587	ng/ul 98
74) Fluoranthene	19.29	202	944396	10.623	ng/ul# 91
77) Pyrene	19.66	202	827171	8.236	ng/ul# 89
80) Benzo(a)anthracene	21.40	228	338878	3.266	ng/ul 97
82) Chrysene	21.44	228	538869	5.465	ng/ul 99
85) Benzo(b)fluoranthene	23.03	252	691494	6.128	ng/ul# 97
86) Benzo(k)fluoranthene	23.03	252	691494	6.138	ng/ul# 95
88) Benzo(a)pyrene	23.63	252	376518	3.473	ng/ul# 95
89) Indeno(1,2,3-cd)pyrene	26.09	276	291788	2.515	ng/ul# 93
91) Benzo(g,h,i)perylene	26.81	276	235705	2.456	ng/ul# 91

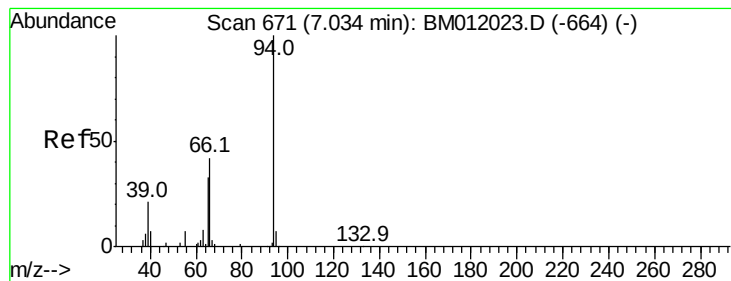
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Oct 10 02:27:01 2017
Response via : Initial Calibration





#6

Phenol

Concen: 1.723 ng/ul

RT: 7.03 min Scan# 670

Delta R.T. -0.01 min

Lab File: BM012032.D

Acq: 10 Oct 2017 02:52

Instrument :

BNA_M

ClientSampleId :

B0BN5

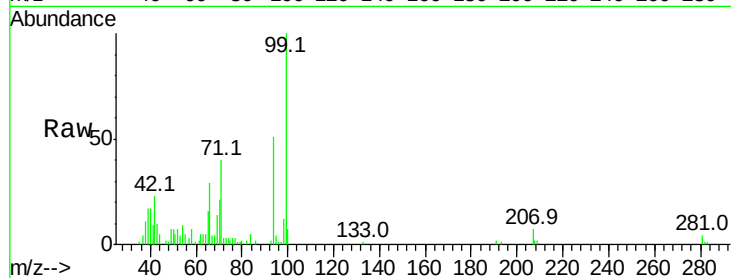
Tot Ion: 94 Resp: 28615

Ion Ratio Lower Upper

94 100

65 31.4 28.2 42.4

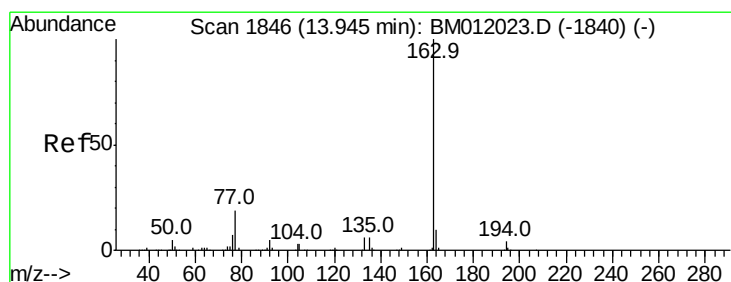
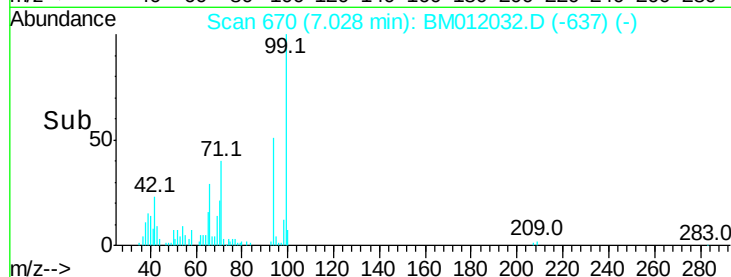
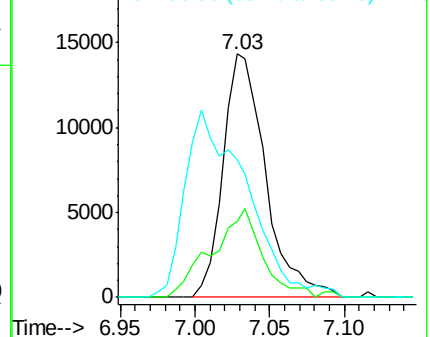
66 56.6 47.2 70.8



Abundance Ion 94.00 (93.70 to 94.70): BM012023.D (-664) (-)

Ion 65.00 (64.70 to 65.70): BM012023.D (-664) (-)

Ion 66.00 (65.70 to 66.70): BM012023.D (-664) (-)



#44

Dimethylphthalate

Concen: 4.177 ng/ul

RT: 13.95 min Scan# 1846

Delta R.T. 0.00 min

Lab File: BM012032.D

Acq: 10 Oct 2017 02:52

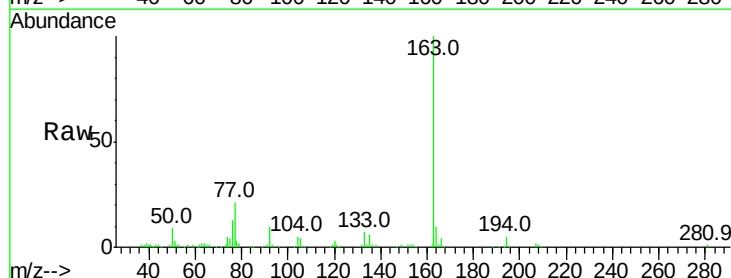
Tgt Ion:163 Resp: 186382

Ion Ratio Lower Upper

163 100

194 4.6 3.5 5.3

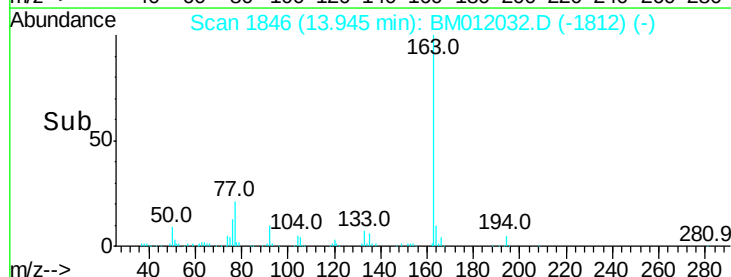
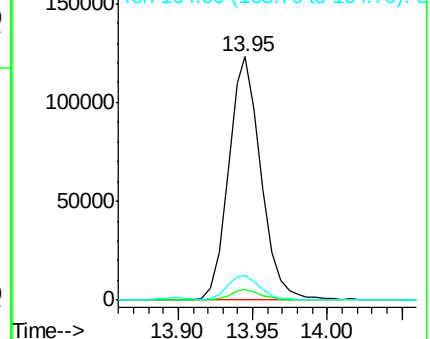
164 10.3 8.2 12.4

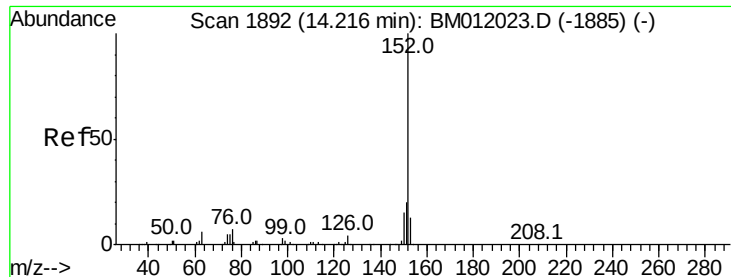


Abundance Ion 163.00 (162.70 to 163.70): BM012023.D (-1840) (-)

Ion 194.00 (193.70 to 194.70): BM012023.D (-1840) (-)

Ion 164.00 (163.70 to 164.70): BM012023.D (-1840) (-)





#47

Acenaphthylene

Concen: 1.351 ng/ul

RT: 14.22 min Scan# 1892

Delta R.T. 0.00 min

Lab File: BM012032.D

Acq: 10 Oct 2017 02:52

Instrument :

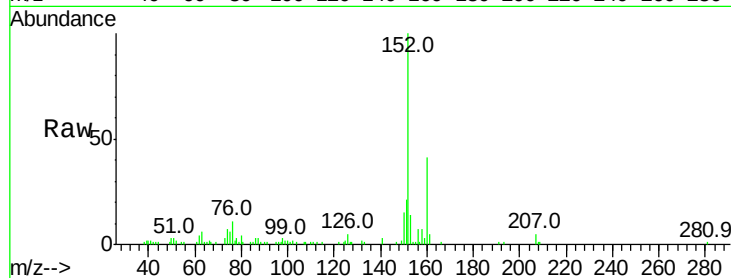
BNA_M

ClientSampleId :

B0BN5

Tot Ion:152 Resp: 71376

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.3	24.5
153	14.1	10.2	15.4

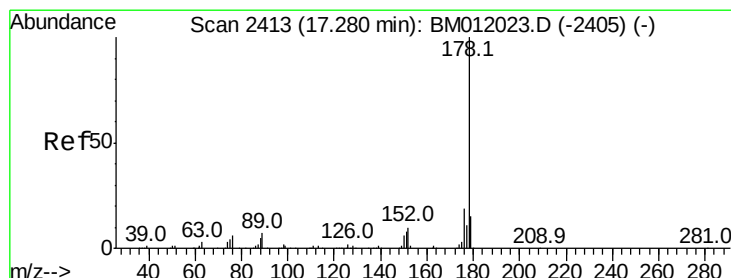
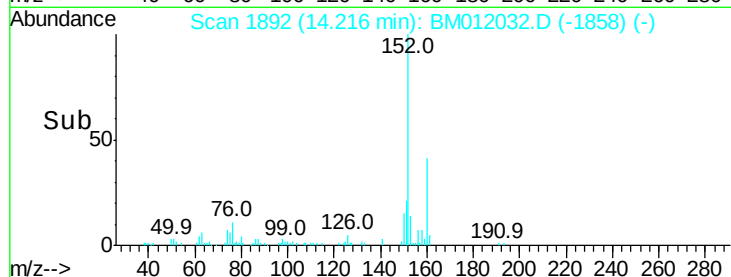
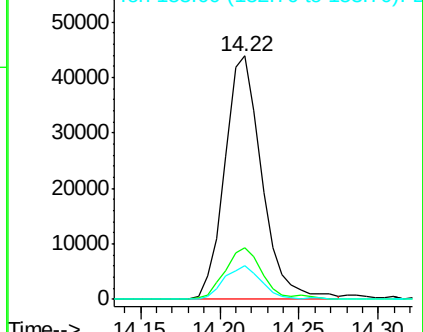


Abundance

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: 6.702 ng/ul

RT: 17.28 min Scan# 2413

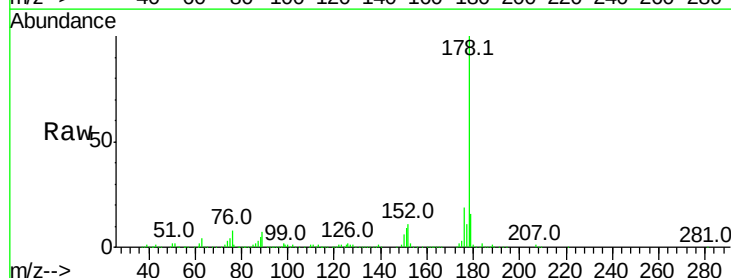
Delta R.T. 0.00 min

Lab File: BM012032.D

Acq: 10 Oct 2017 02:52

Tgt Ion:178 Resp: 488344

Ion	Ratio	Lower	Upper
178	100		
179	15.9	12.6	19.0
176	19.0	14.9	22.3

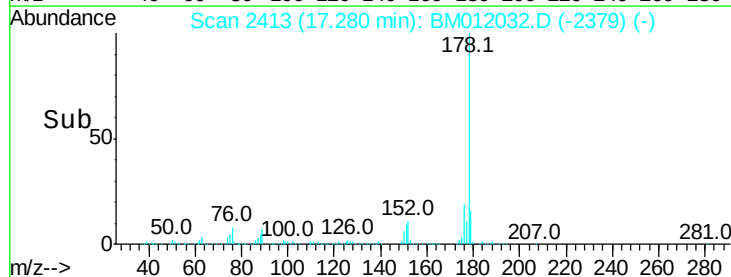
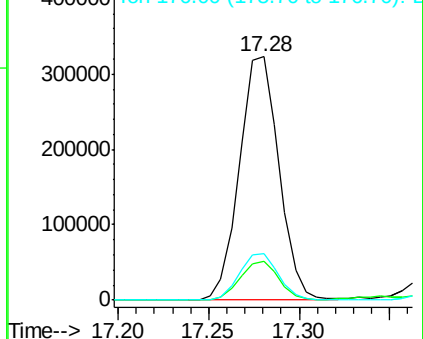


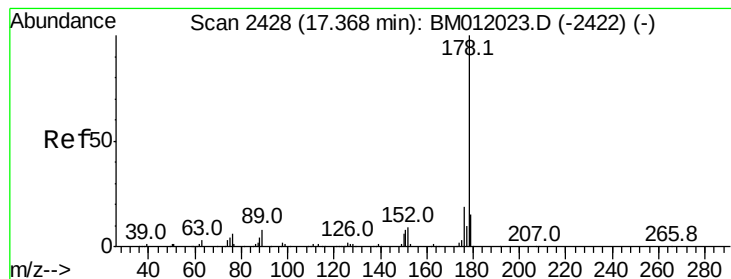
Abundance

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: 6.587 ng/ul

RT: 17.28 min Scan# 2413

Delta R.T. -0.09 min

Lab File: BM012032.D

Acq: 10 Oct 2017 02:52

Instrument :

BNA_M

ClientSampleId :

B0BN5

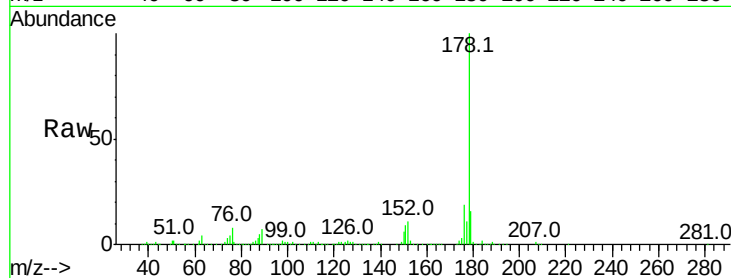
Tot Ion:178 Resp: 488344

Ion Ratio Lower Upper

178 100

179 15.9 11.7 17.5

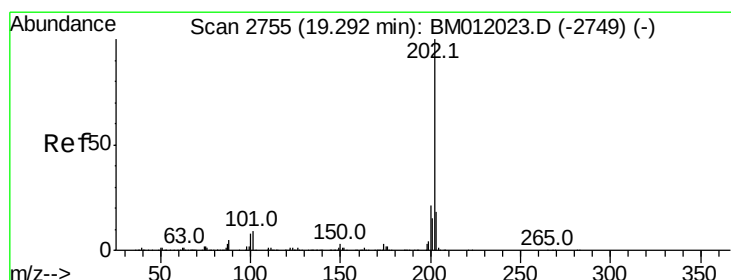
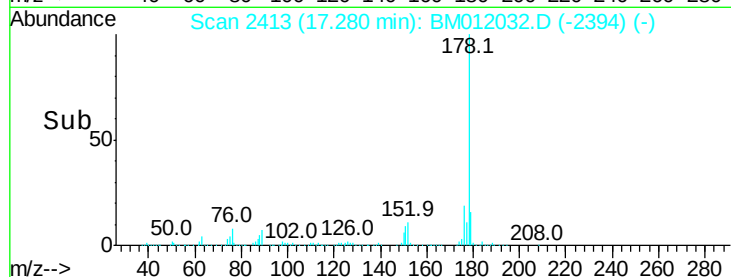
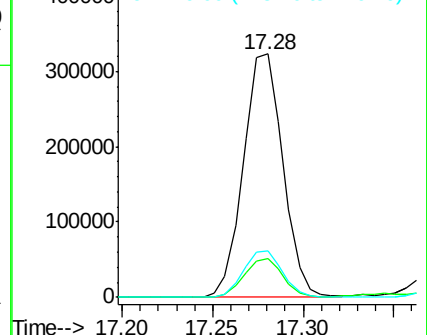
176 19.0 14.6 21.8



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: 10.623 ng/ul

RT: 19.29 min Scan# 2755

Delta R.T. 0.00 min

Lab File: BM012032.D

Acq: 10 Oct 2017 02:52

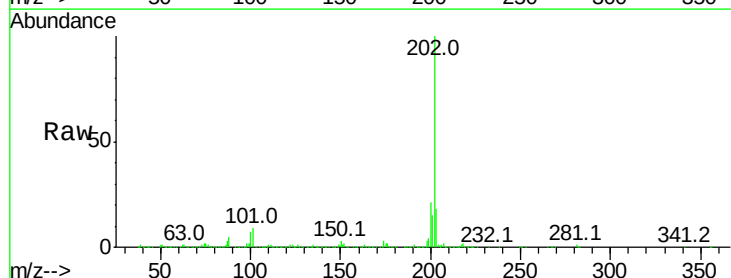
Tgt Ion:202 Resp: 944396

Ion Ratio Lower Upper

202 100

101 9.4 4.6 7.0#

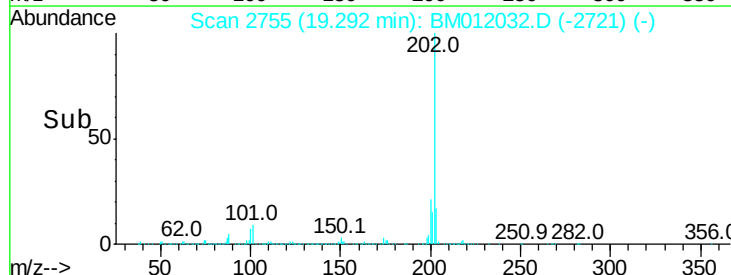
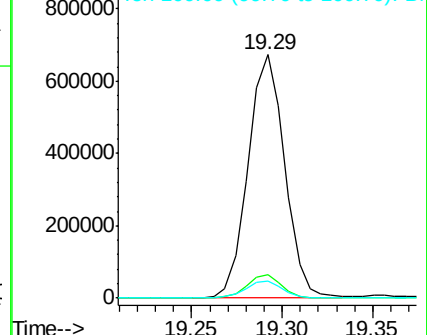
100 6.8 3.4 5.2#

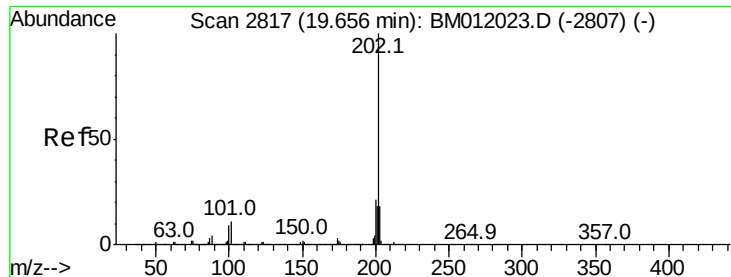


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

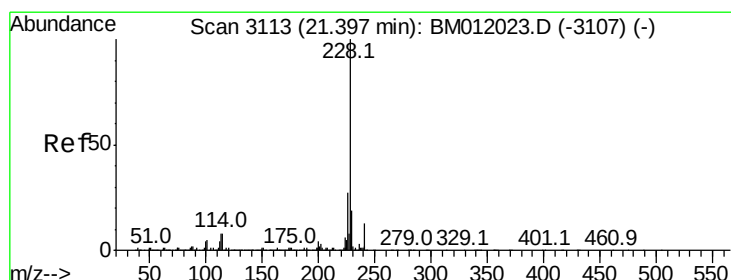
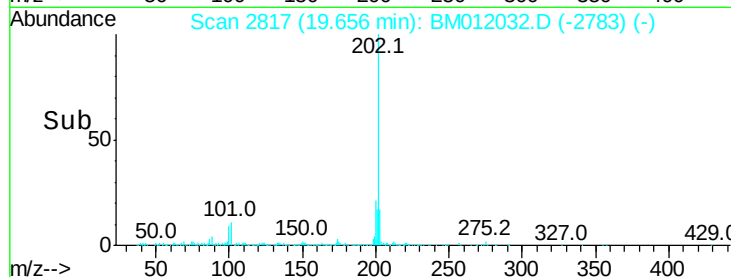
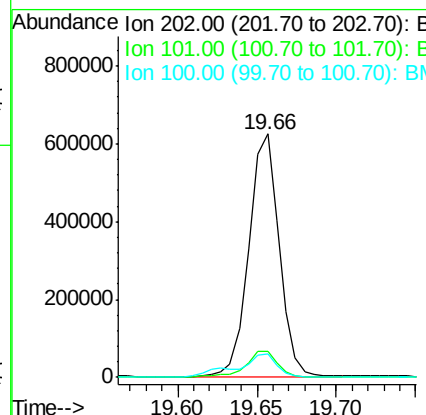
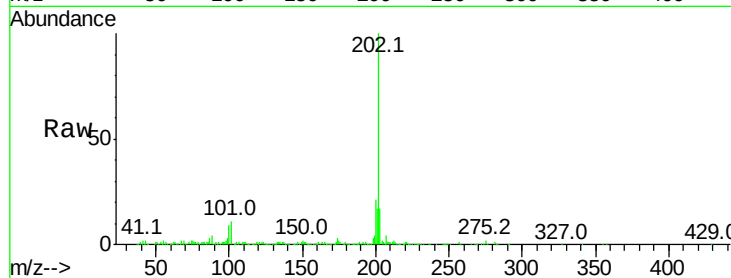




#77
 Pvrene
 Concen: 8.236 ng/ul
 RT: 19.66 min Scan# 2817
 Delta R.T. 0.00 min
 Lab File: BM012032.D
 Acq: 10 Oct 2017 02:52

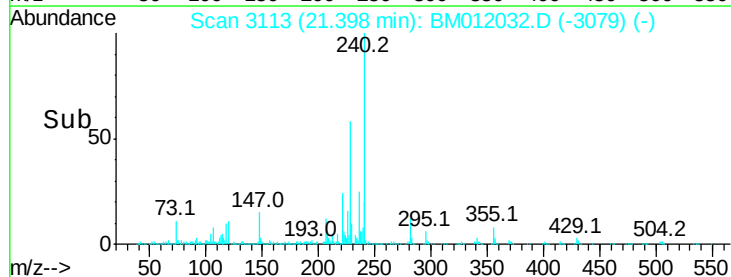
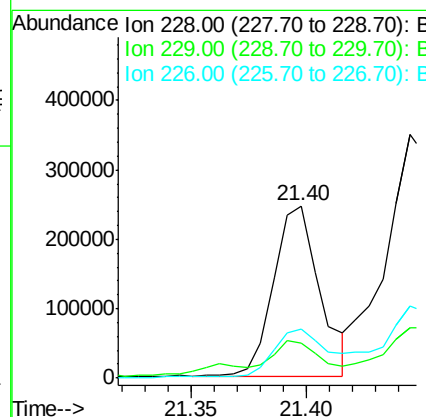
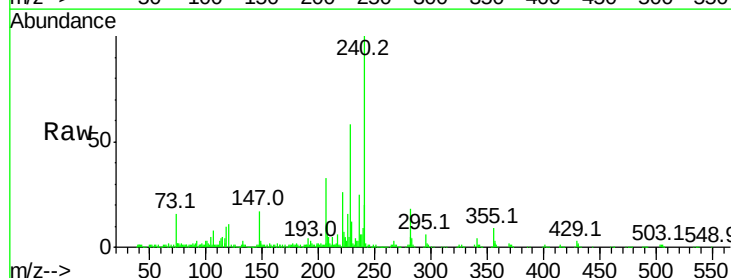
Instrument :
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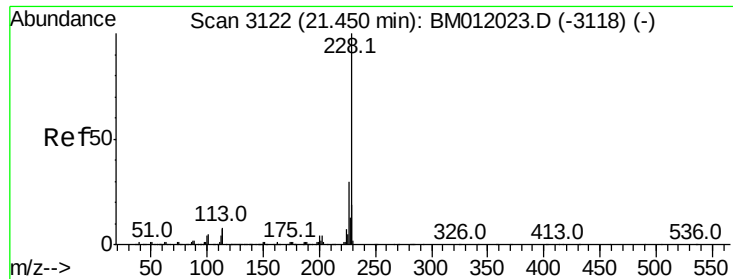
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.5	5.1	7.7#
100	9.4	4.9	7.3#



#80
 Benzo(a)anthracene
 Concen: 3.266 ng/ul
 RT: 21.40 min Scan# 3113
 Delta R.T. 0.00 min
 Lab File: BM012032.D
 Acq: 10 Oct 2017 02:52

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.1	15.4	23.0
226	28.2	21.4	32.0

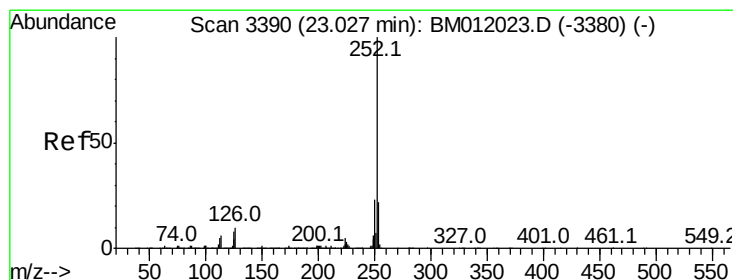
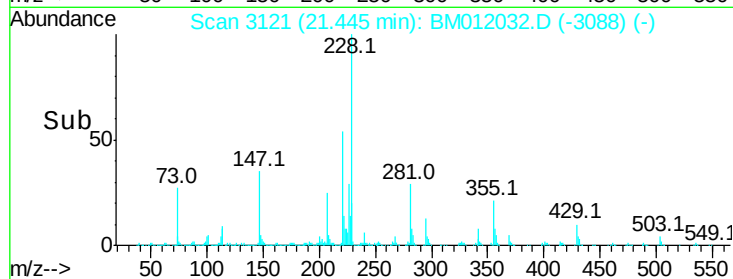
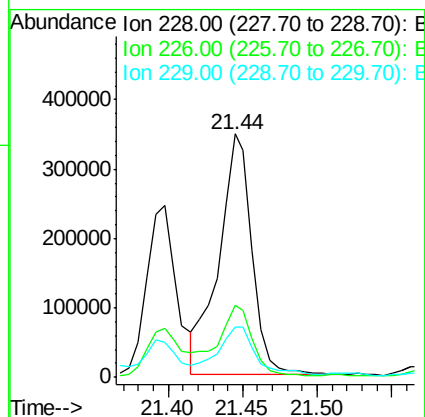
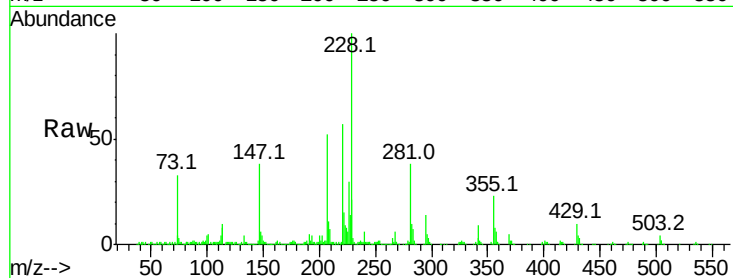




#82
Chrysene
Concen: 5.465 ng/ul
RT: 21.44 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BM012032.D
Acq: 10 Oct 2017 02:52

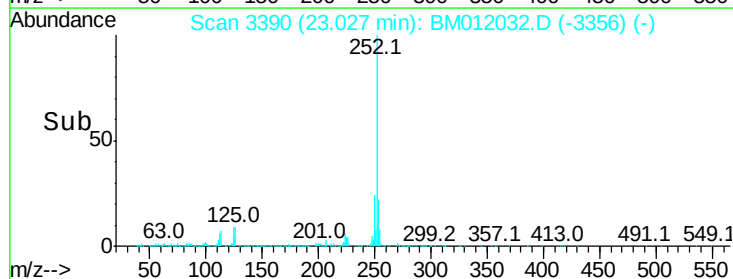
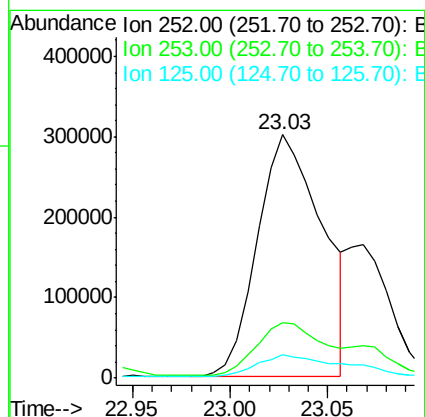
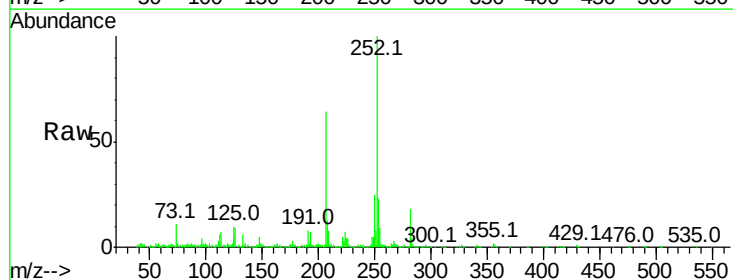
Instrument :
BNA_M
ClientSampleId :
B0BN5

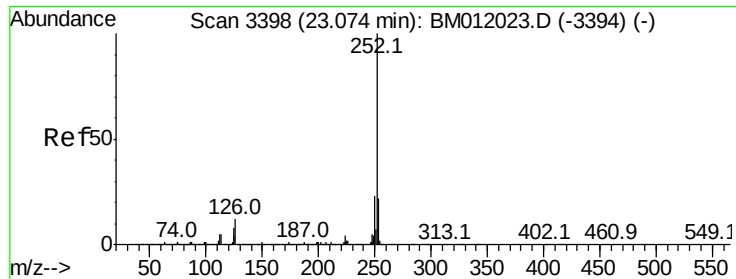
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.5	23.4	35.2
229	20.7	15.5	23.3



#85
Benzo(b)fluoranthene
Concen: 6.128 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. 0.00 min
Lab File: BM012032.D
Acq: 10 Oct 2017 02:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	9.6	3.6	5.4





#86

Benzo(k)fluoranthene

Concen: 6.138 ng/ul

RT: 23.03 min Scan# 3390

Delta R.T. -0.05 min

Lab File: BM012032.D

Acq: 10 Oct 2017 02:52

Instrument :

BNA_M

ClientSampleId :

B0BN5

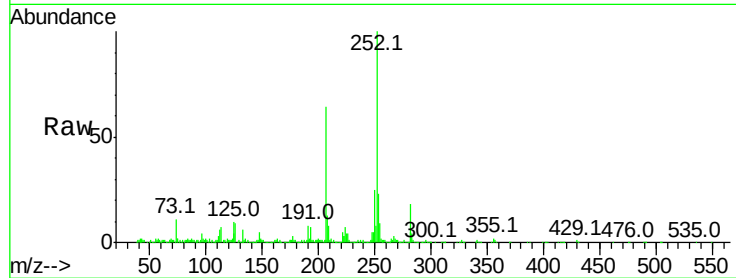
Tot Ion:252 Resp: 691494

Ion Ratio Lower Upper

252 100

253 22.6 17.1 25.7

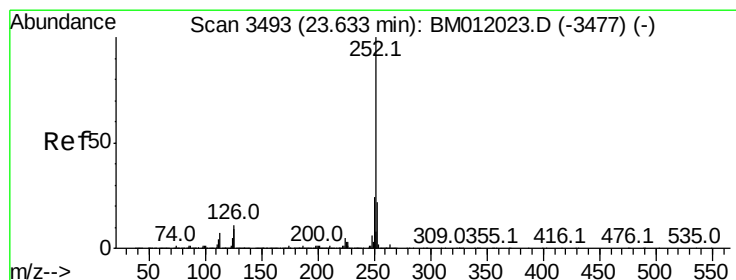
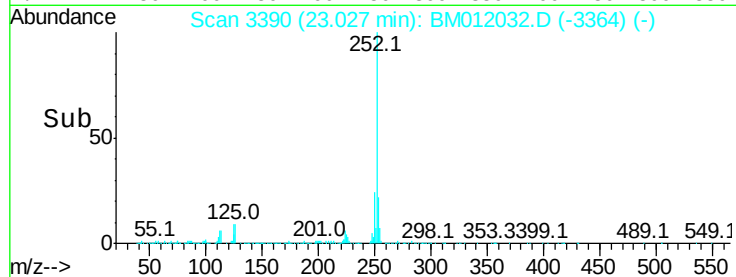
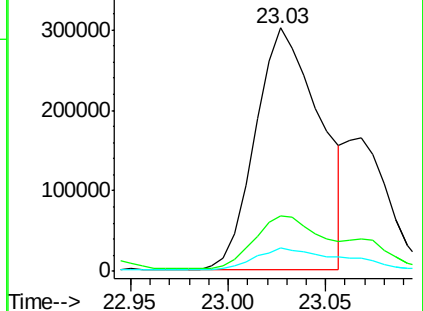
125 9.6 3.4 5.2#



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: 3.473 ng/ul

RT: 23.63 min Scan# 3492

Delta R.T. -0.01 min

Lab File: BM012032.D

Acq: 10 Oct 2017 02:52

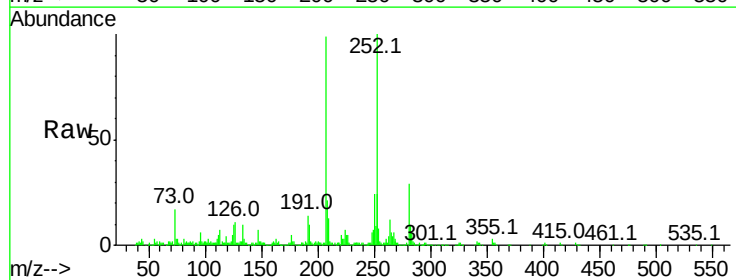
Tgt Ion:252 Resp: 376518

Ion Ratio Lower Upper

252 100

253 24.1 18.2 27.2

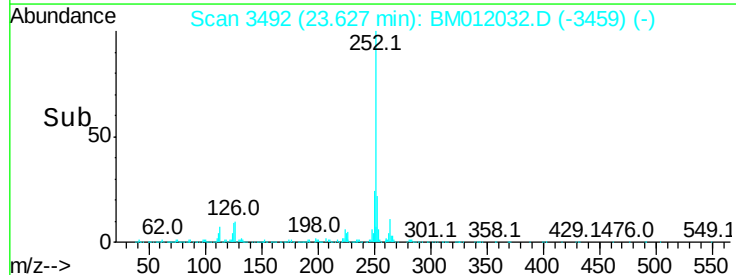
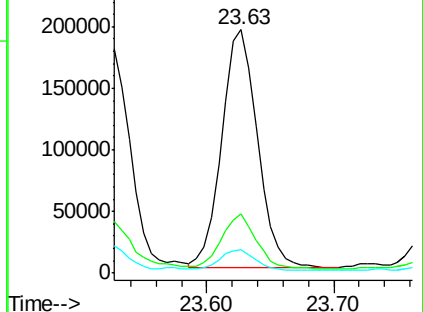
125 9.6 4.0 6.0#

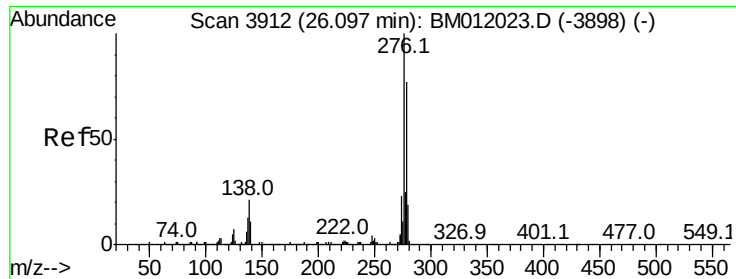


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



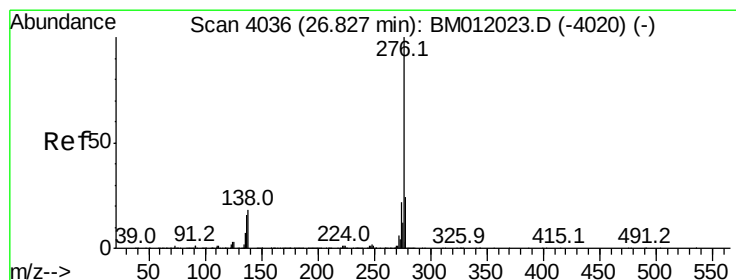
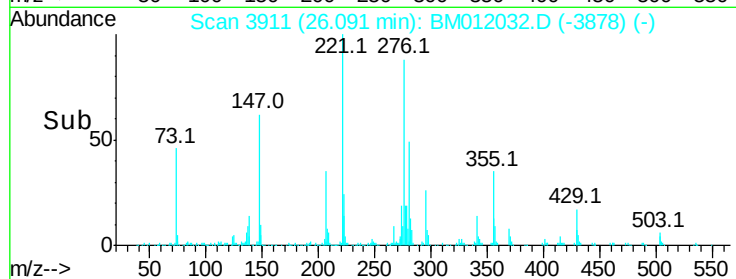
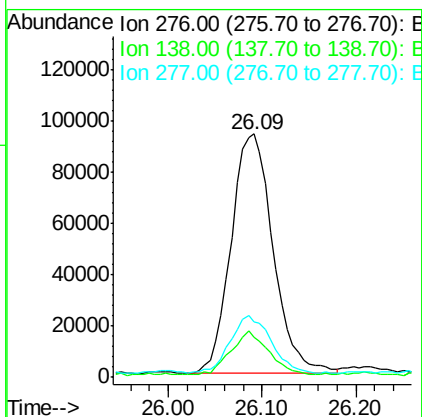
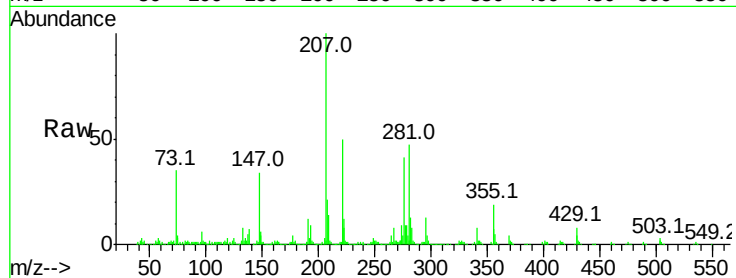


#89

Indeno(1,2,3-cd)pyrene
Concen: 2.515 ng/ul
RT: 26.09 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM012032.D
Acq: 10 Oct 2017 02:52

Instrument :
BNA_M
ClientSampleId :
B0BN5

Tot Ion	Ratio	Lower	Upper
276	100		
138	16.5	9.3	13.9#
277	23.0	19.9	29.9



#91

Benzo(g,h,i)perylene
Concen: 2.456 ng/ul
RT: 26.81 min Scan# 4034
Delta R.T. -0.01 min
Lab File: BM012032.D
Acq: 10 Oct 2017 02:52

Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	8.5	12.7#
277	24.2	18.6	28.0

