

Data Path : Z:\HPCHEM1\BNA M\DATA\BM101017\
 Data File : BM012052.D
 Acq On : 10 Oct 2017 21:10
 Operator : SJ/JU
 Sample : I5669-04
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 11 01:15:46 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM100317.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Oct 11 01:12:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	227667	20.00	ng/ul	0.00
18) Naphthalene-d8	10.65	136	991833	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.49	164	611614	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.23	188	1453945	20.00	ng/ul	0.00
75) Chrysene-d12	21.41	240	1820546	20.00	ng/ul	0.00
83) Perylene-d12	23.72	264	1733140	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.26	96	1117	0.23	ng/uL	0.00
5) Phenol-d5	7.02	99	20141	1.03	ng/ul	0.01
7) Bis-(2-Chloroethyl)ether-d	7.18	67	73267	6.32	ng/ul	0.00
9) 2-Chlorophenol-d4	7.38	132	18533	1.18	ng/ul	0.00
13) 4-Methylphenol-d8	8.56	113	21668	1.28	ng/ul	0.01
19) Nitrobenzene-d5	9.01	128	41738	5.91	ng/ul	0.00
22) 2-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
26) 2,4-Dichlorophenol-d3	10.30	165	6210	0.39	ng/ul	0.03
29) 4-Chloroaniline-d4	10.66	131	610	0.03	ng/ul	-0.13
43) Dimethylphthalate-d6	13.90	166	16359	0.31	ng/ul	0.00
46) Acenaphthylene-d8	14.19	160	451460	7.25	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.48	176	377774	8.07	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	0.00	200	0	0.00	ng/ul	
70) Anthracene-d10	17.33	188	631259	8.81	ng/ul	0.00
76) Pyrene-d10	19.62	212	847706	10.32	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.57	264	706074	8.47	ng/ul	0.00

Target Compounds

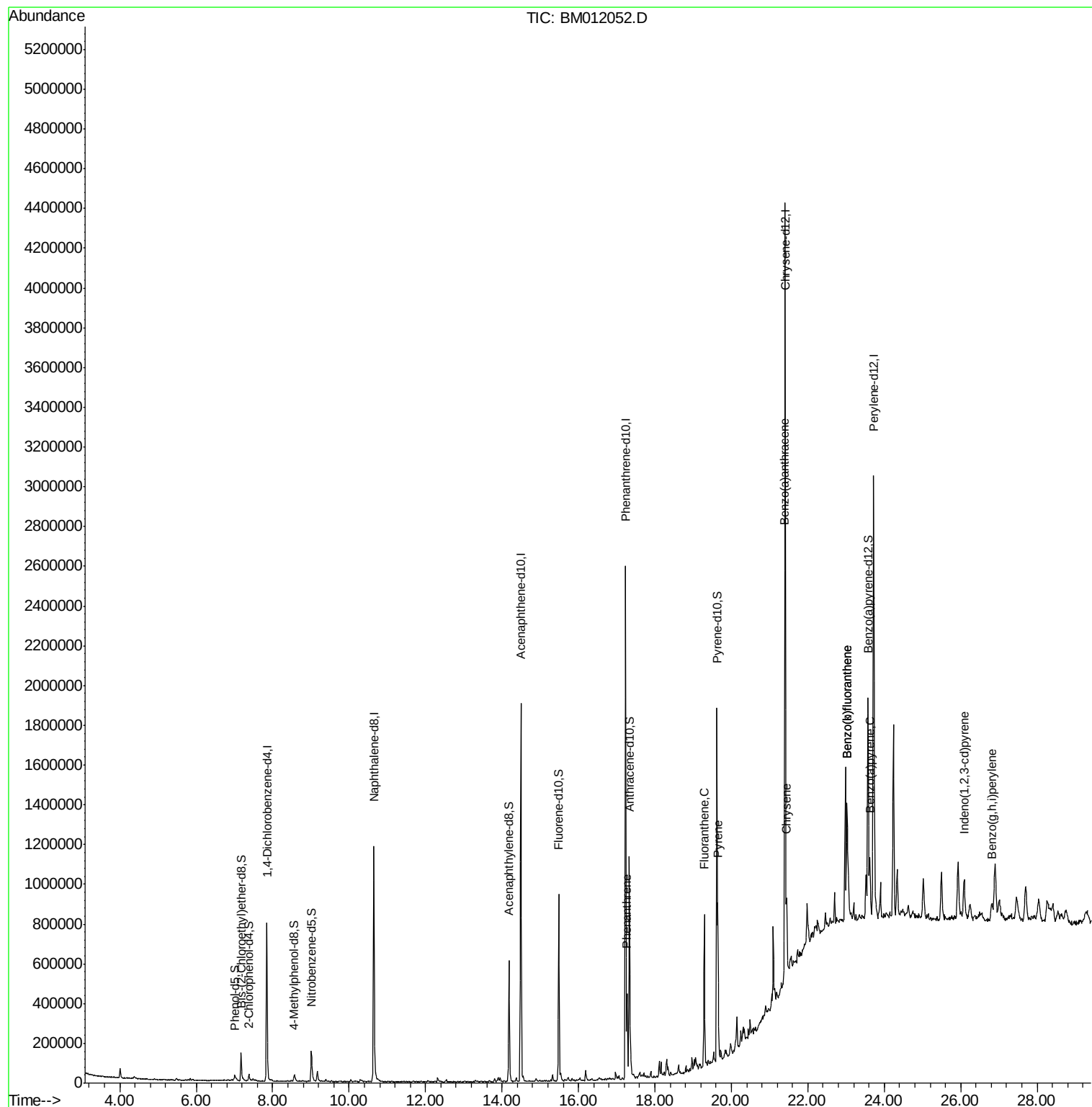
					Ovalue	
69) Phenanthrene	17.27	178	230026	2.876	ng/ul	99
74) Fluoranthene	19.29	202	480764	4.927	ng/ul#	92
77) Pyrene	19.65	202	440205	4.361	ng/ul#	88
80) Benzo(a)anthracene	21.39	228	265956	2.550	ng/ul	98
82) Chrysene	21.44	228	244593	2.468	ng/ul	98
85) Benzo(b)fluoranthene	23.03	252	349790	3.320	ng/ul#	94
86) Benzo(k)fluoranthene	23.03	252	349790	3.326	ng/ul#	96
88) Benzo(a)pyrene	23.62	252	198598	1.962	ng/ul#	95
89) Indeno(1,2,3-cd)pyrene	26.09	276	122688	1.133	ng/ul#	95
91) Benzo(g,h,i)perylene	26.81	276	122295	1.365	ng/ul#	95

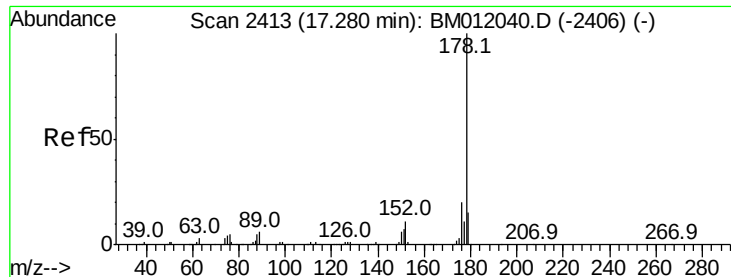
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#69

Phenanthrene

Concen: 2.876 ng/ul

RT: 17.27 min Scan# 2412

Delta R.T. -0.01 min

Lab File: BM012052.D

Acq: 10 Oct 2017 21:10

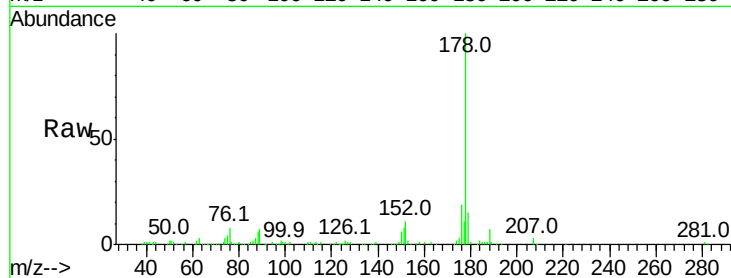
Instrument :

BNA_M

ClientSampleId :

Tot Ion:178 Resp: 230026

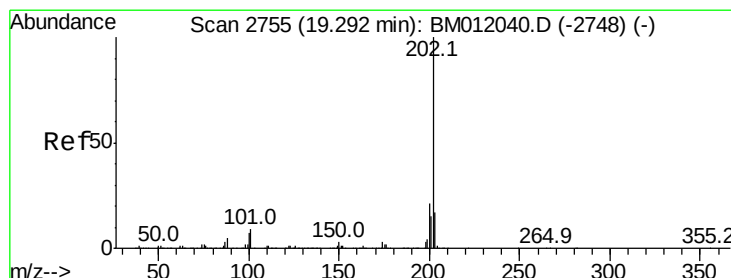
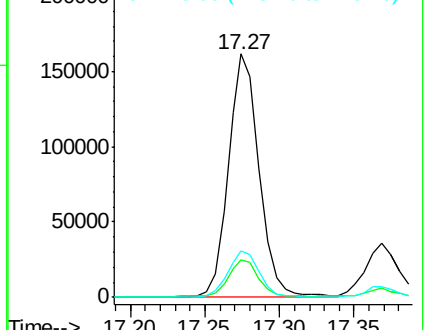
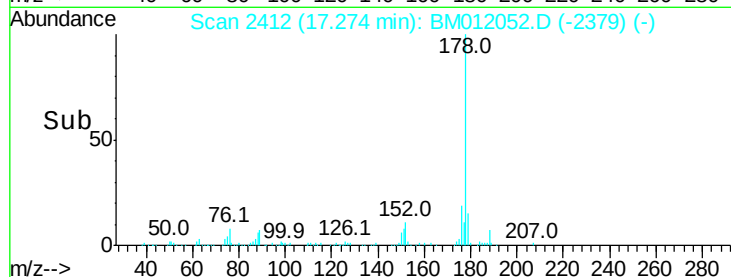
Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.6	19.0
176	19.1	14.9	22.3



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



#74

Fluoranthene

Concen: 4.927 ng/ul

RT: 19.29 min Scan# 2755

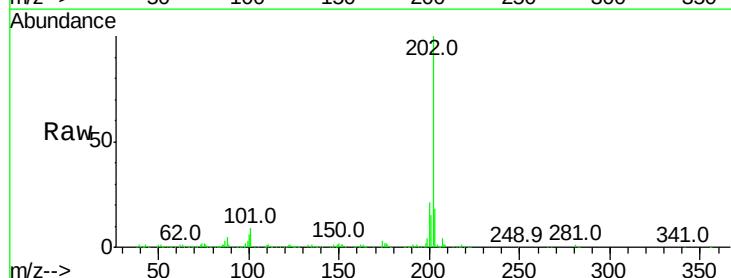
Delta R.T. 0.00 min

Lab File: BM012052.D

Acq: 10 Oct 2017 21:10

Tgt Ion:202 Resp: 480764

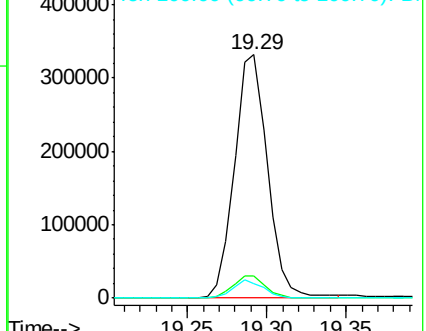
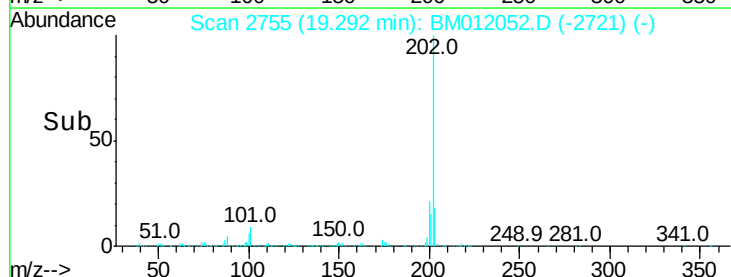
Ion	Ratio	Lower	Upper
202	100		
101	9.1	4.6	7.0#
100	5.9	3.4	5.2#

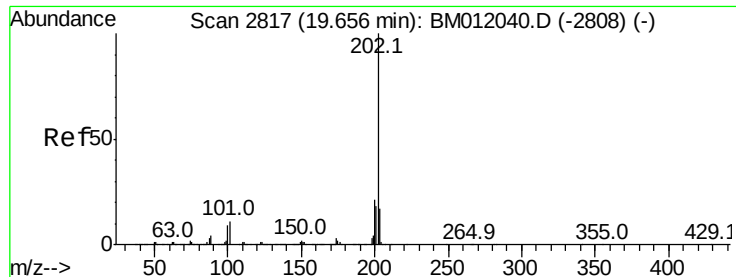


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pvrene

Concen: 4.361 ng/ul

RT: 19.65 min Scan# 2816

Delta R.T. -0.01 min

Lab File: BM012052.D

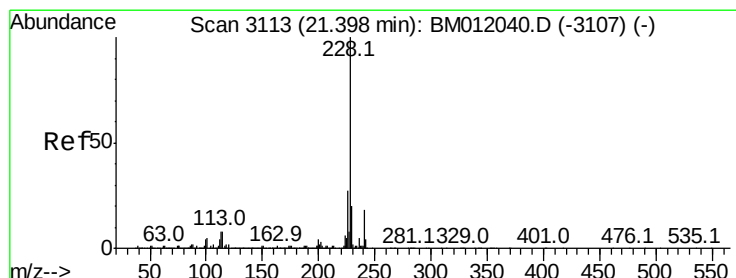
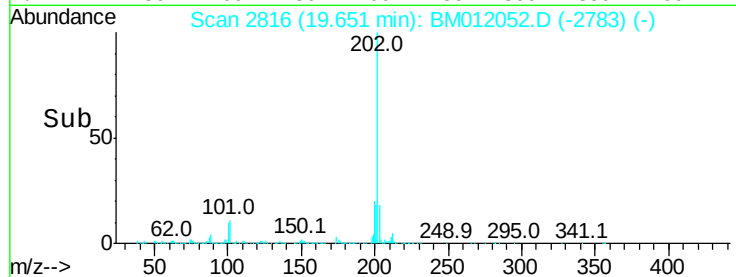
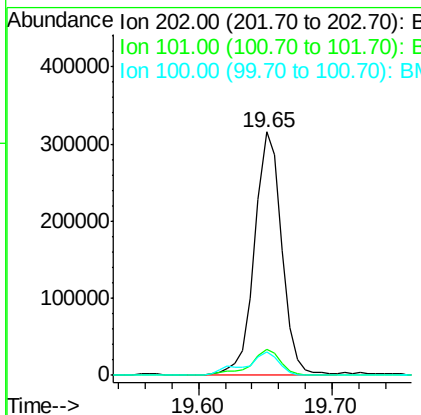
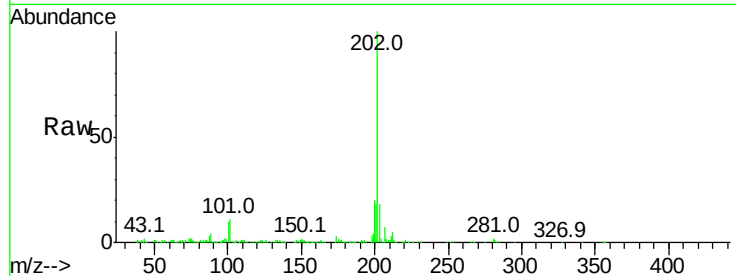
Acq: 10 Oct 2017 21:10

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	202	Resp:	440205
Ion	Ratio	Lower	Upper
202	100		
101	10.6	5.1	7.7#
100	9.7	4.9	7.3#



#80

Benzo(a)anthracene

Concen: 2.550 ng/ul

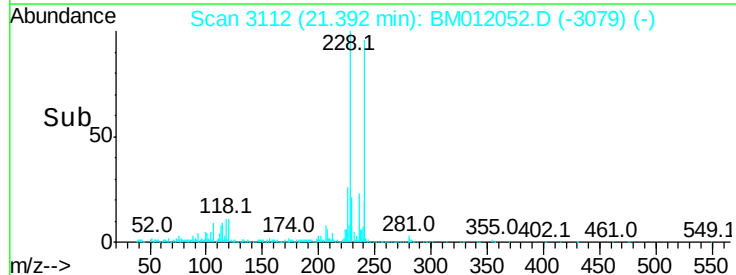
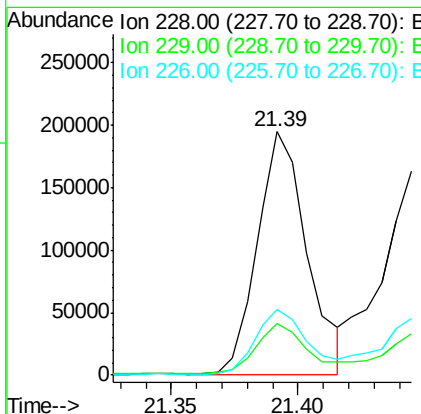
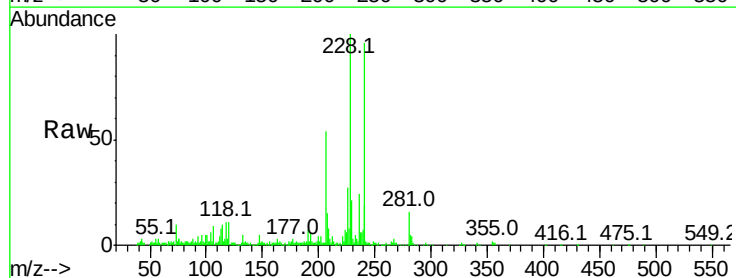
RT: 21.39 min Scan# 3112

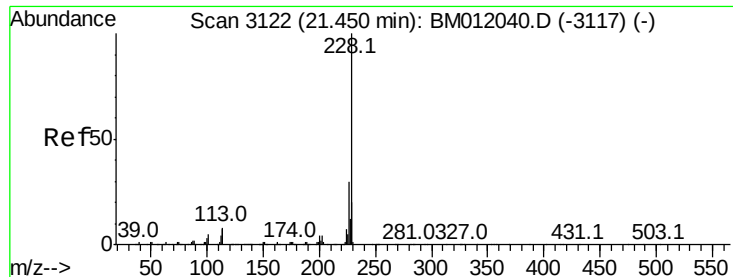
Delta R.T. -0.01 min

Lab File: BM012052.D

Acq: 10 Oct 2017 21:10

Tgt Ion:	228	Resp:	265956
Ion	Ratio	Lower	Upper
228	100		
229	21.4	15.4	23.0
226	26.8	21.4	32.0

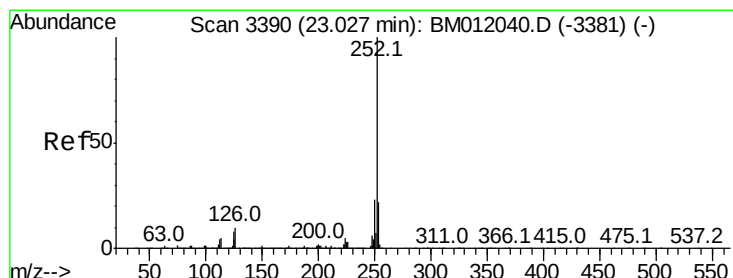
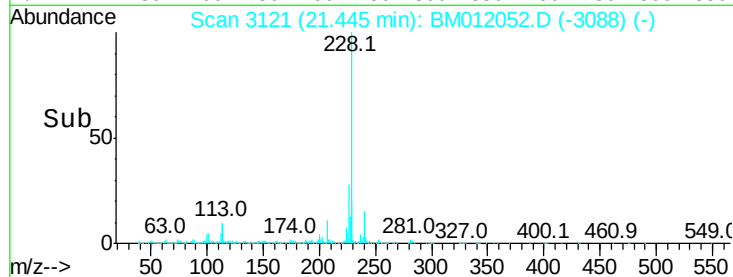
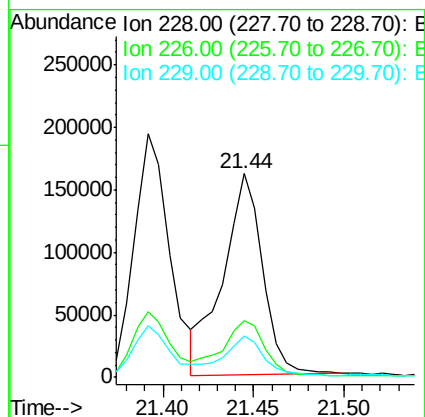
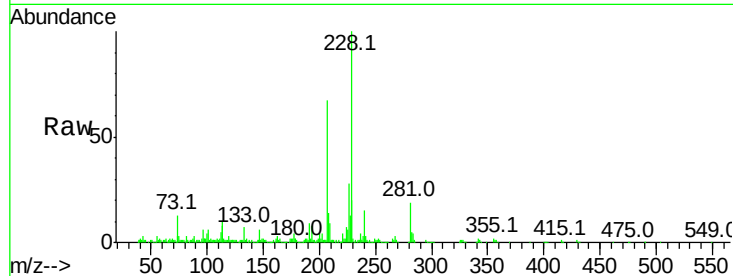




#82
Chrysene
Concen: 2.468 ng/ul
RT: 21.44 min Scan# 3121
Delta R.T. -0.01 min
Lab File: BM012052.D
Acq: 10 Oct 2017 21:10

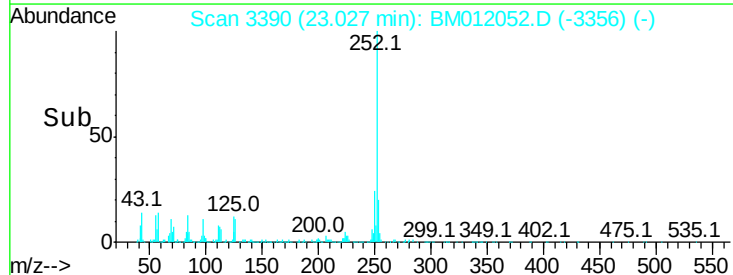
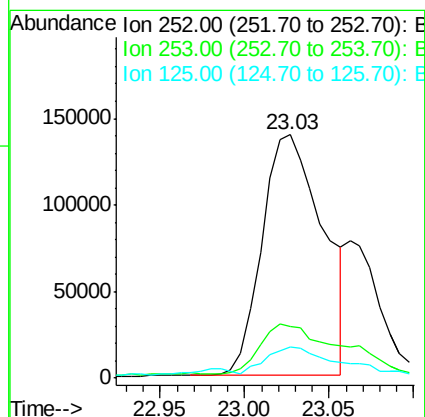
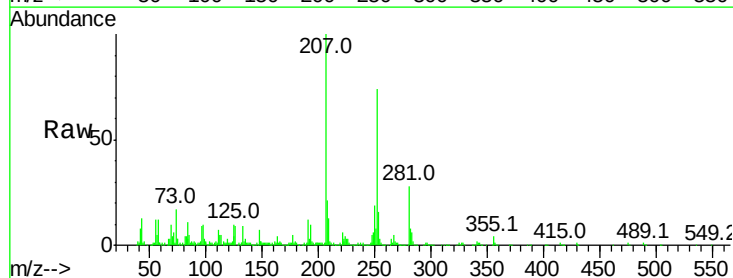
Instrument :
BNA_M
ClientSampled :

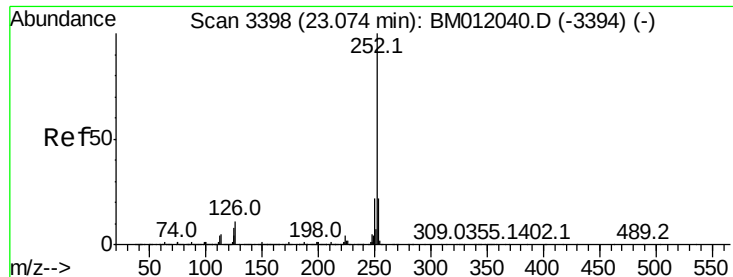
Tot Ion:228 Resp: 244593
Ion Ratio Lower Upper
228 100
226 28.1 23.4 35.2
229 20.4 15.5 23.3



#85
Benzo(b)fluoranthene
Concen: 3.320 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. 0.00 min
Lab File: BM012052.D
Acq: 10 Oct 2017 21:10

Tgt Ion:252 Resp: 349790
Ion Ratio Lower Upper
252 100
253 21.4 17.9 26.9
125 13.0 3.6 5.4#

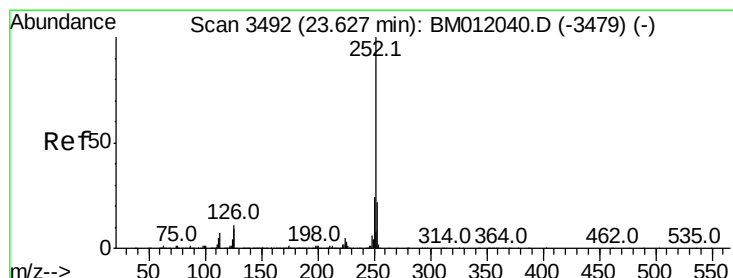
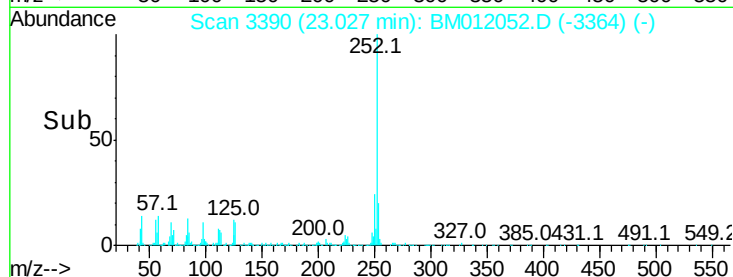
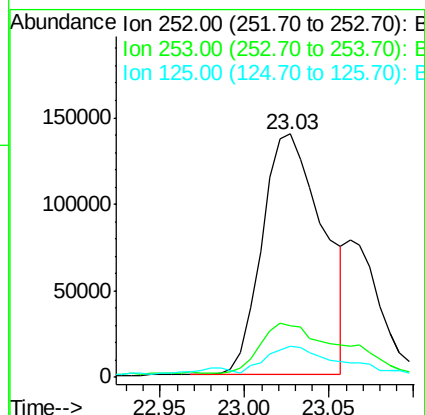
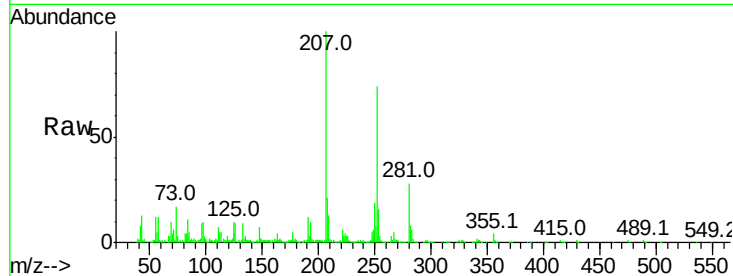




#86
Benzo(k)fluoranthene
Concen: 3.326 ng/ul
RT: 23.03 min Scan# 3390
Delta R.T. -0.05 min
Lab File: BM012052.D
Acq: 10 Oct 2017 21:10

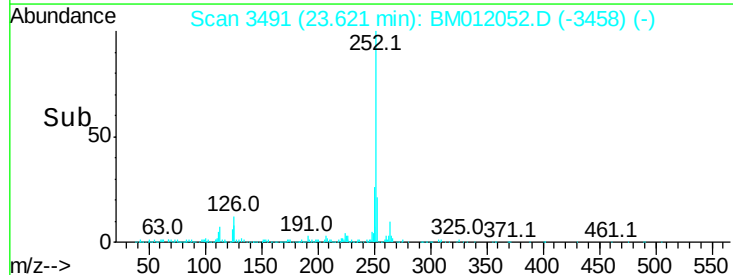
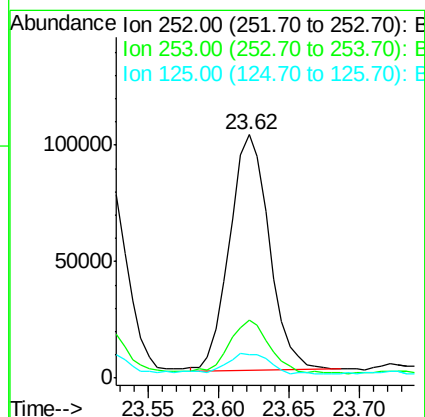
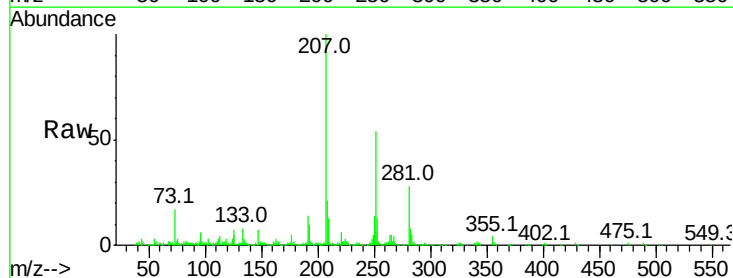
Instrument :
BNA_M
ClientSampleId :

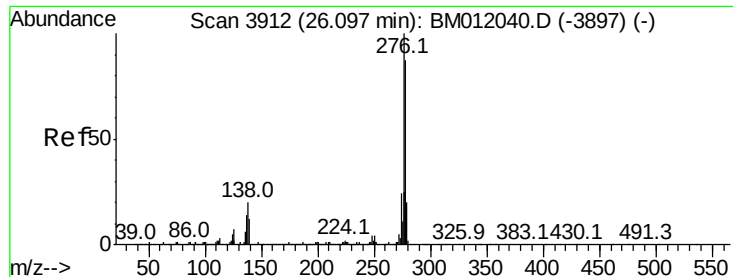
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.1	25.7
125	13.0	3.4	5.2#



#88
Benzo(a)pyrene
Concen: 1.962 ng/ul
RT: 23.62 min Scan# 3491
Delta R.T. -0.01 min
Lab File: BM012052.D
Acq: 10 Oct 2017 21:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.0	18.2	27.2
125	9.6	4.0	6.0#



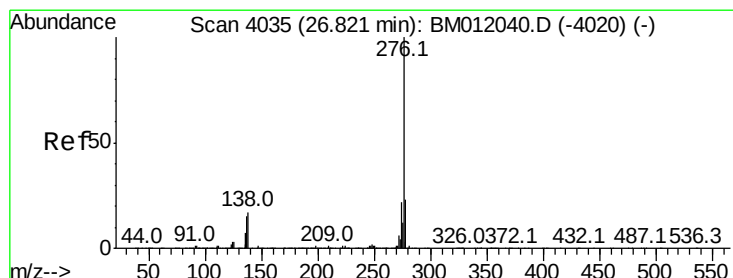
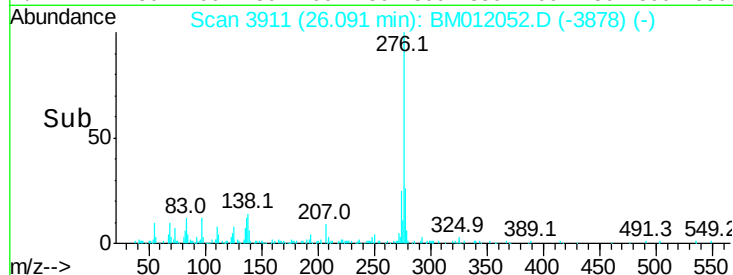
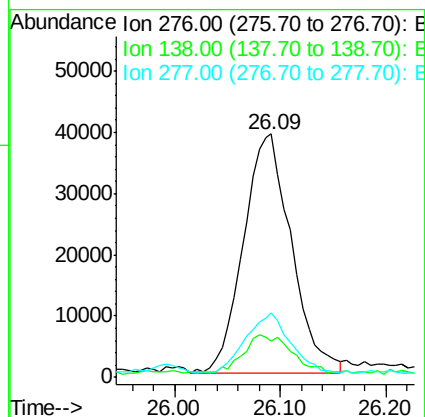
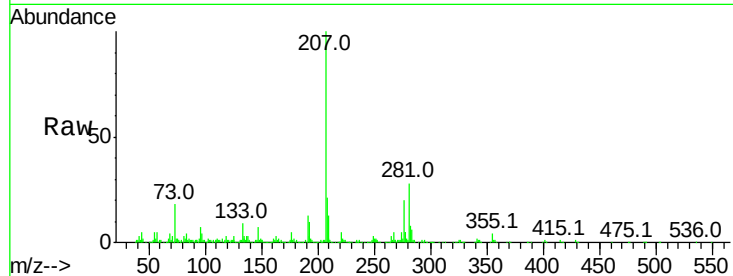


#89

Indeno(1,2,3-cd)pyrene
Concen: 1.133 ng/ul
RT: 26.09 min Scan# 3911
Delta R.T. -0.01 min
Lab File: BM012052.D
Acq: 10 Oct 2017 21:10

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	14.9	9.3	13.9#
277	26.7	19.9	29.9



#91

Benzo(g,h,i)perylene
Concen: 1.365 ng/ul
RT: 26.81 min Scan# 4034
Delta R.T. -0.01 min
Lab File: BM012052.D
Acq: 10 Oct 2017 21:10

Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.0	8.5	12.7#
277	22.7	18.6	28.0

