

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121817\
 Data File : BM013498.D
 Acq On : 18 Dec 2017 14:48
 Operator : SJ/JU
 Sample : I6776-04MEDL 20X
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 19 00:43:11 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM113017.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Dec 19 00:41:55 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	168297	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	754737	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	436967	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.07	188	944741	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	741743	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	624613	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	527	0.16	ng/uL	0.00
5) Phenol-d5	6.85	99	23631	1.62	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	14404	1.73	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	20288	1.78	ng/ul	0.00
13) 4-Methylphenol-d8	8.39	113	21841	1.76	ng/ul	0.00
19) Nitrobenzene-d5	8.83	128	12002	2.01	ng/ul	0.00
22) 2-Nitrophenol-d4	9.55	143	10277	1.60	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.09	165	20531	1.56	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	17237	1.42	ng/ul	0.01
43) Dimethylphthalate-d6	13.73	166	77316	1.99	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	92694	1.93	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	4680	0.69	ng/ul	0.04
57) Fluorene-d10	15.32	176	68544	2.05	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	5062	0.85	ng/ul	0.01
70) Anthracene-d10	17.16	188	102868	2.17	ng/ul	0.00
76) Pyrene-d10	19.46	212	101021	2.73	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	69083	2.17	ng/ul	0.00

Target Compounds

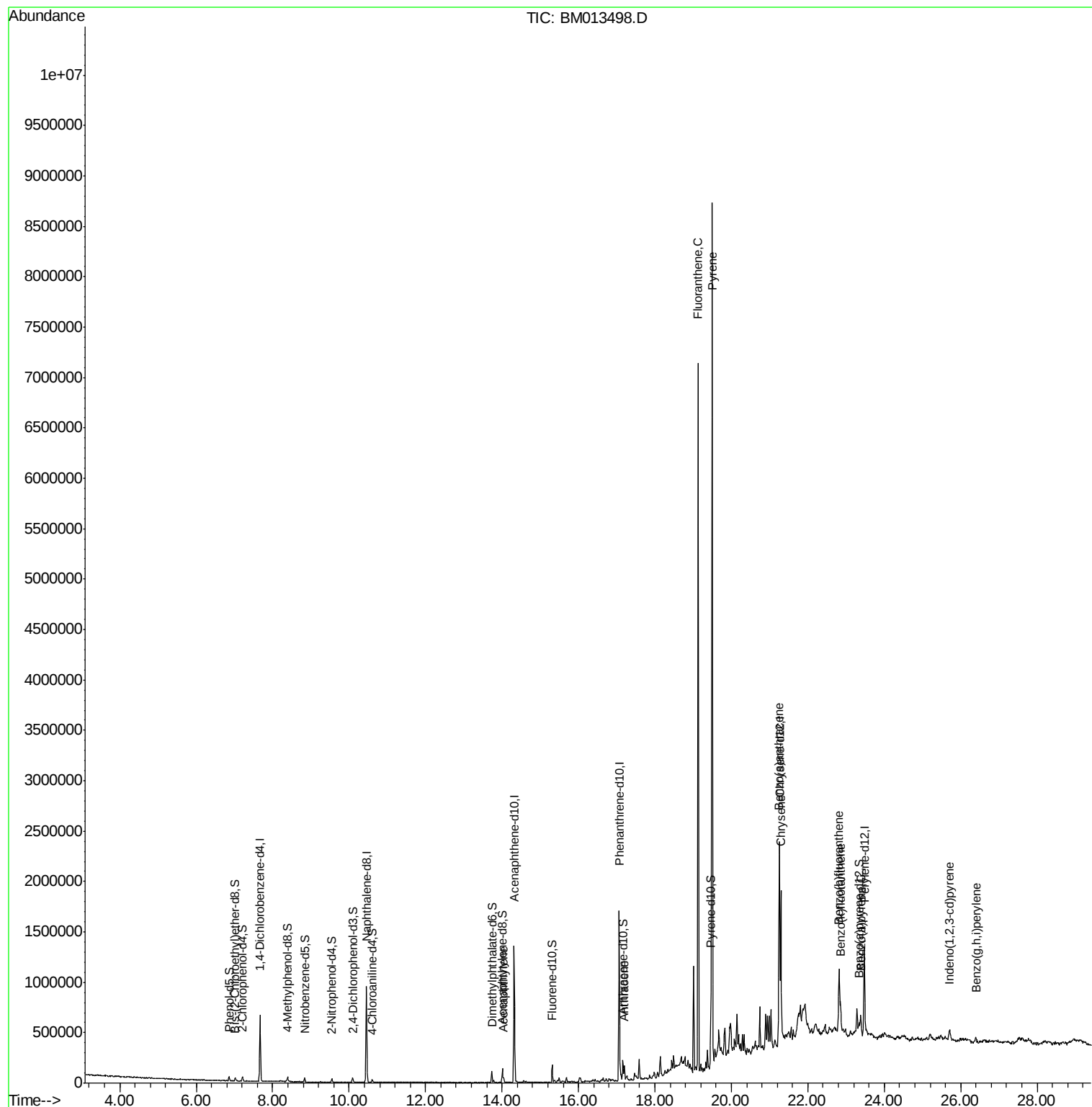
					Ovalue	
47) Acenaphthylene	14.04	152	48764	1.098	ng/ul#	94
71) Anthracene	17.20	178	85511	1.559	ng/ul	99
74) Fluoranthene	19.13	202	4130310	62.795	ng/ul#	92
77) Pyrene	19.50	202	4977497	110.457	ng/ul#	92
80) Benzo(a)anthracene	21.24	228	717911	15.255	ng/ul	98
82) Chrysene	21.30	228	865940	19.833	ng/ul	99
85) Benzo(b)fluoranthene	22.82	252	493059	11.710	ng/ul#	97
86) Benzo(k)fluoranthene	22.86	252	169679	4.282	ng/ul#	94
88) Benzo(a)pyrene	23.39	252	138224	3.654	ng/ul#	97
89) Indeno(1,2,3-cd)pyrene	25.71	276	83094	2.214	ng/ul#	88
91) Benzo(g,h,i)perylene	26.40	276	51822	1.751	ng/ul#	93

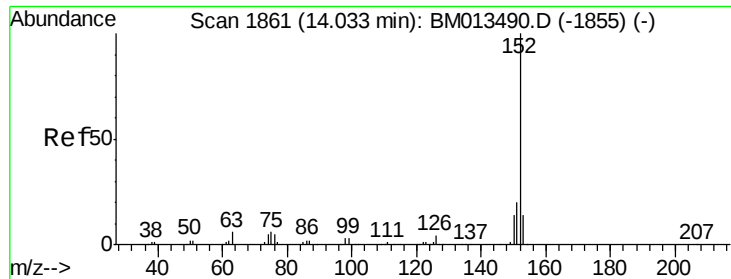
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#47

Acenaphthylene

Concen: 1.098 ng/ul

RT: 14.04 min Scan# 1862

Delta R.T. 0.01 min

Lab File: BM013498.D

Acq: 18 Dec 2017 14:48

Instrument :

BNA_M

ClientSampleId :

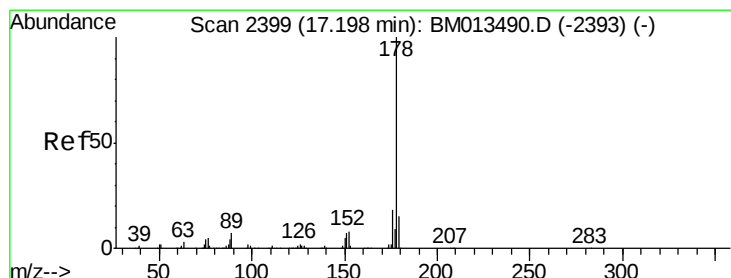
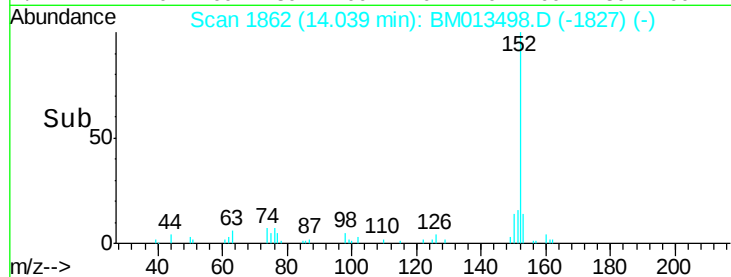
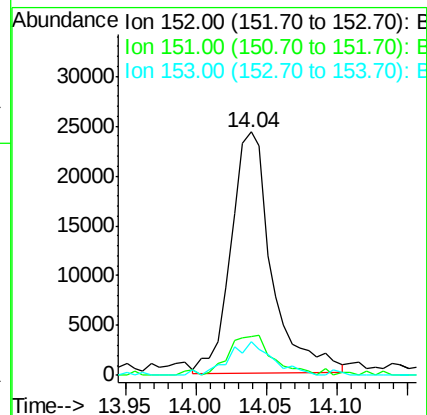
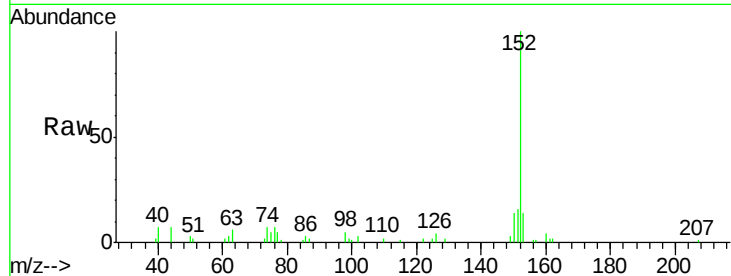
Tot Ion:152 Resp: 48764

Ion Ratio Lower Upper

152 100

151 16.2 16.3 24.5#

153 13.7 10.2 15.4



#71

Anthracene

Concen: 1.559 ng/ul

RT: 17.20 min Scan# 2399

Delta R.T. 0.00 min

Lab File: BM013498.D

Acq: 18 Dec 2017 14:48

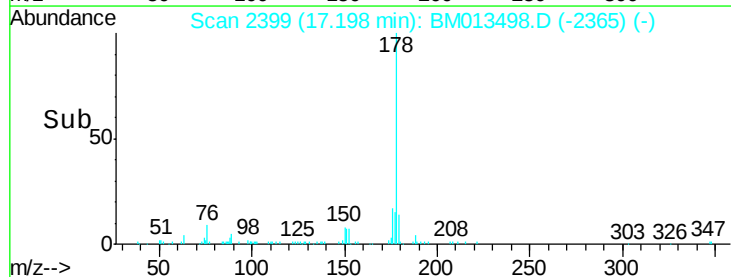
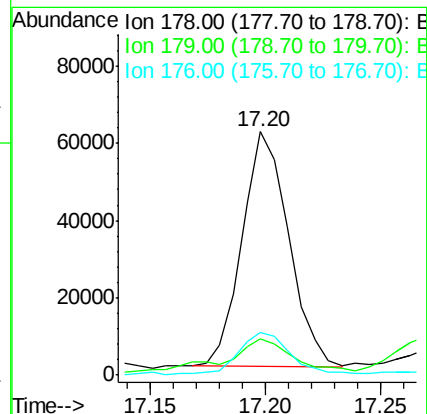
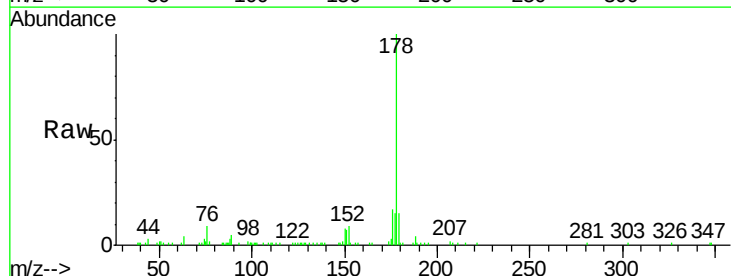
Tgt Ion:178 Resp: 85511

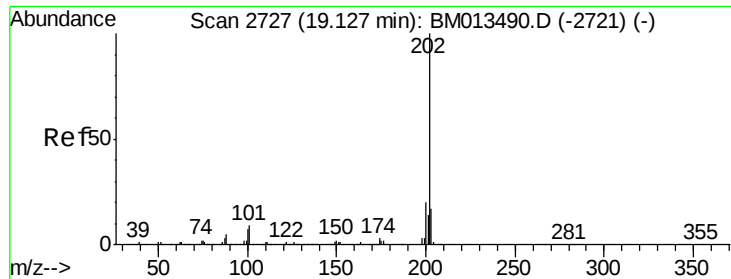
Ion Ratio Lower Upper

178 100

179 14.9 11.7 17.5

176 17.3 14.6 21.8

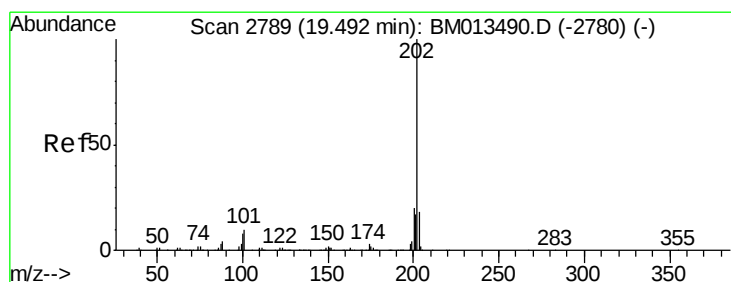
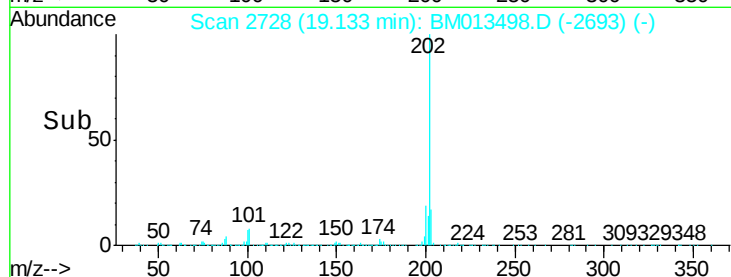
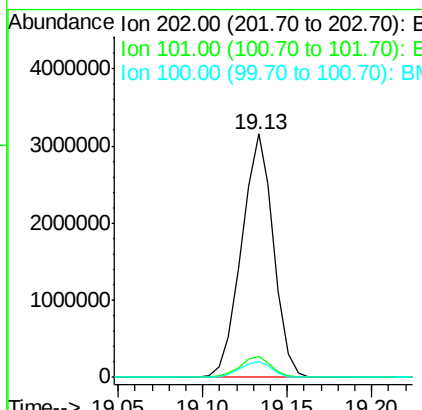
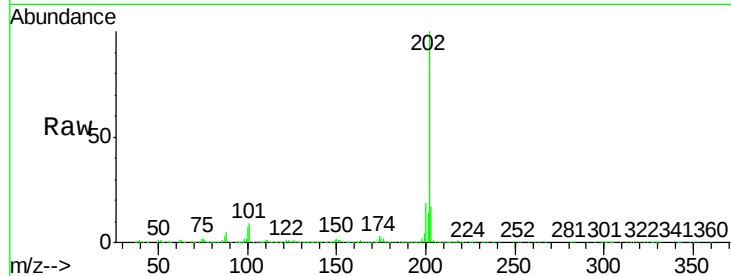




#74
Fluoranthene
Concen: 62.795 ng/ul
RT: 19.13 min Scan# 2728
Delta R.T. 0.01 min
Lab File: BM013498.D
Acq: 18 Dec 2017 14:48

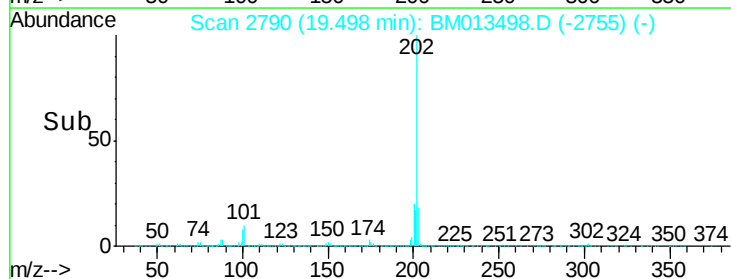
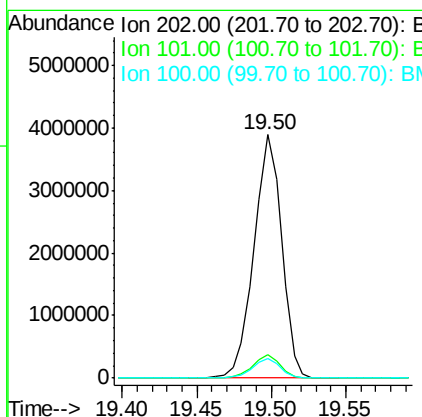
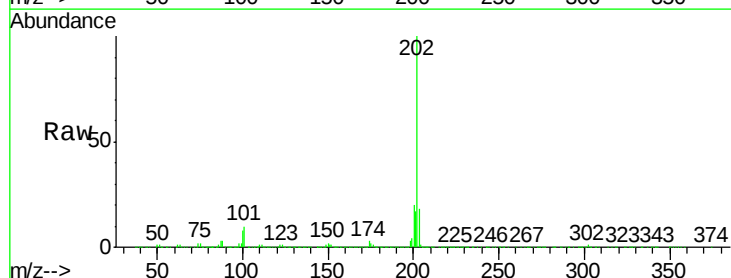
Instrument :
BNA_M
ClientSampleId :

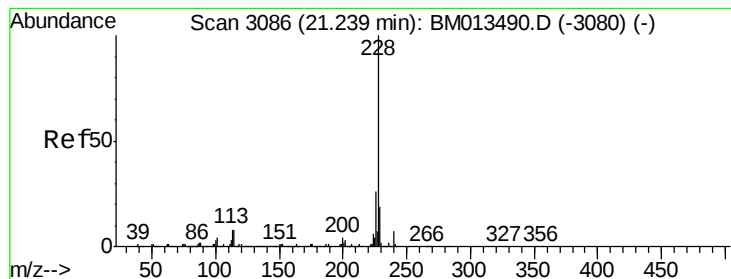
Tot Ion:202 Resp: 4130310
Ion Ratio Lower Upper
202 100
101 8.5 4.6 7.0#
100 6.7 3.4 5.2#



#77
Pyrene
Concen: 110.457 ng/ul
RT: 19.50 min Scan# 2790
Delta R.T. 0.01 min
Lab File: BM013498.D
Acq: 18 Dec 2017 14:48

Tgt Ion:202 Resp: 4977497
Ion Ratio Lower Upper
202 100
101 9.7 5.1 7.7#
100 8.0 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 15.255 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM013498.D

Acq: 18 Dec 2017 14:48

Instrument :

BNA_M

ClientSampleId :

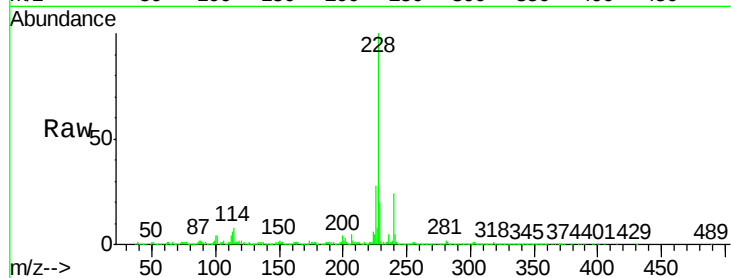
Tot Ion:228 Resp: 717911

Ion Ratio Lower Upper

228 100

229 19.9 15.4 23.0

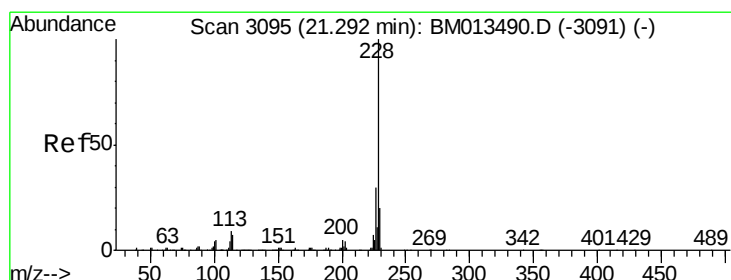
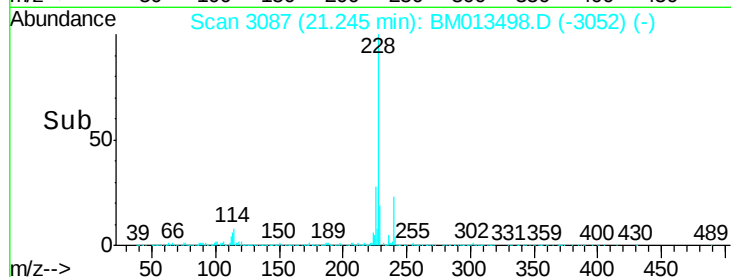
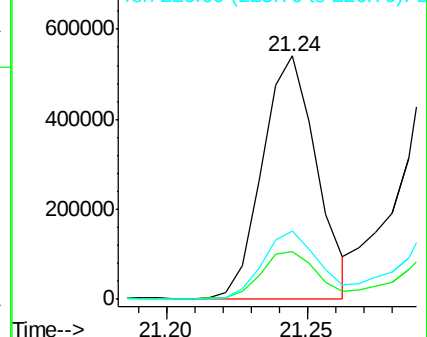
226 28.0 21.4 32.0



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: 19.833 ng/ul

RT: 21.30 min Scan# 3096

Delta R.T. 0.01 min

Lab File: BM013498.D

Acq: 18 Dec 2017 14:48

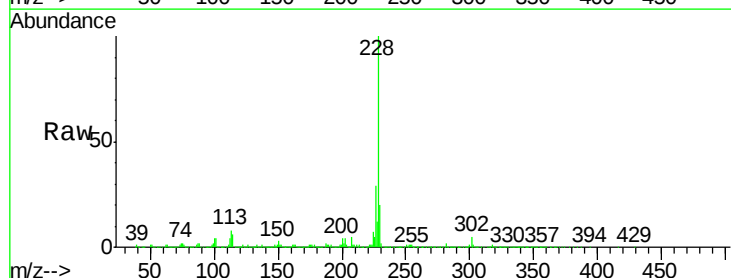
Tgt Ion:228 Resp: 865940

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

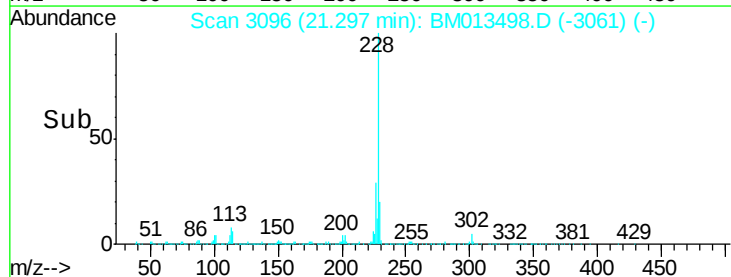
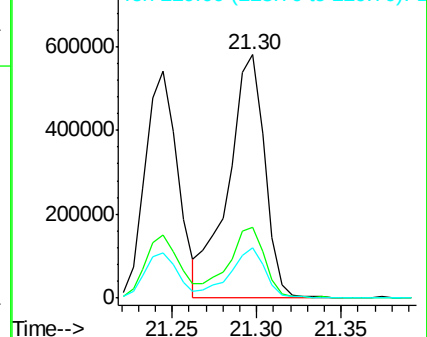
229 20.4 15.5 23.3

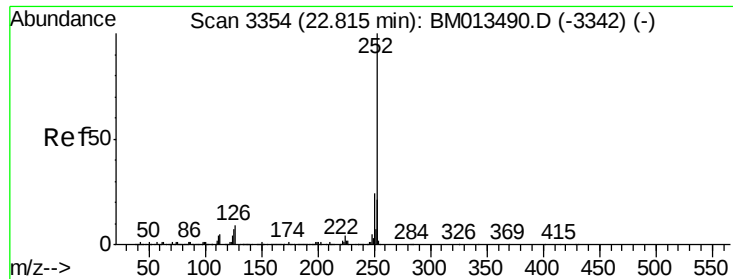


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

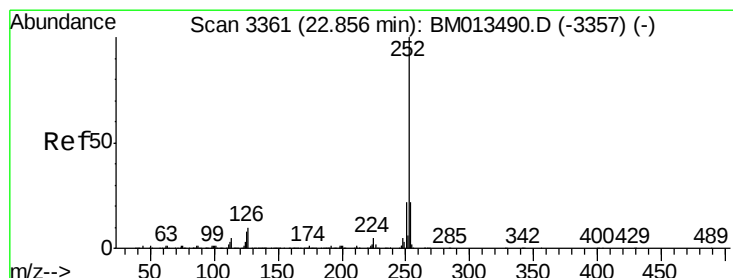
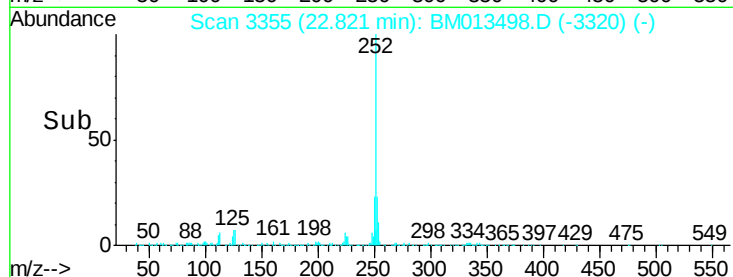
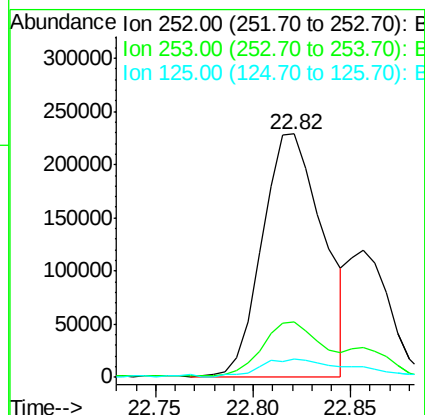
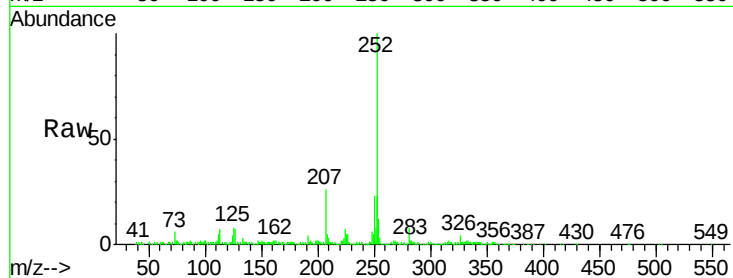




#85
Benzo(b)fluoranthene
Concen: 11.710 ng/ul
RT: 22.82 min Scan# 3355
Delta R.T. 0.01 min
Lab File: BM013498.D
Acq: 18 Dec 2017 14:48

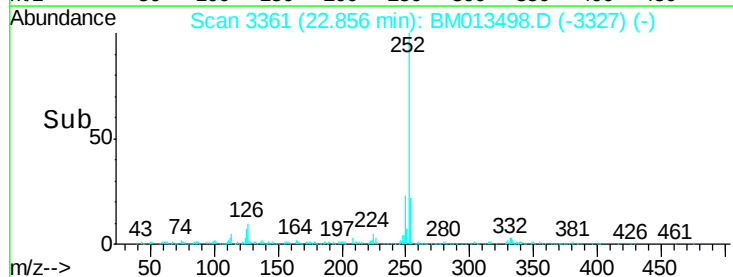
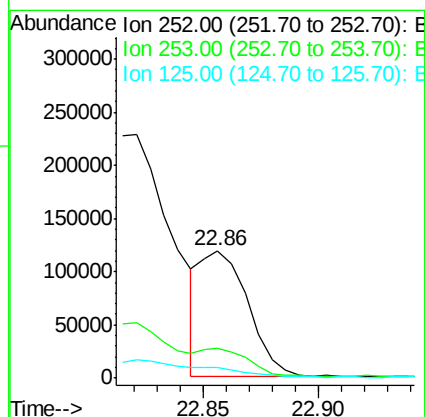
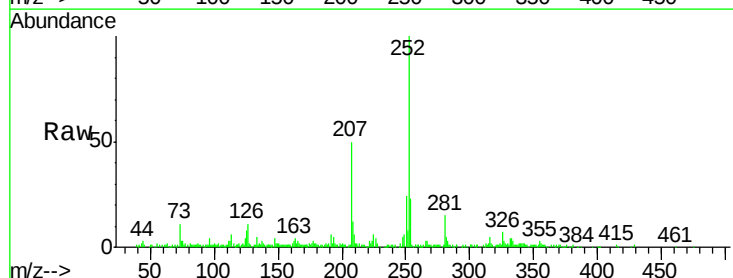
Instrument :
BNA_M
ClientSampleId :

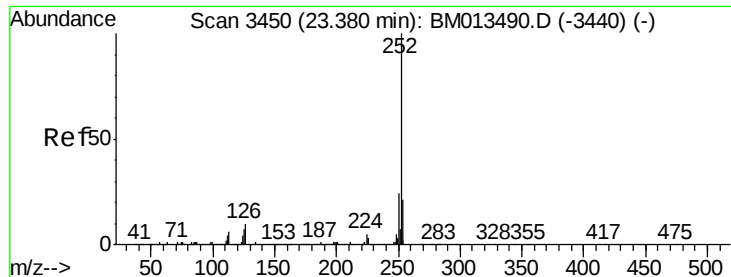
Tot Ion:252 Resp: 493059
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 7.5 3.6 5.4#



#86
Benzo(k)fluoranthene
Concen: 4.282 ng/ul
RT: 22.86 min Scan# 3361
Delta R.T. 0.00 min
Lab File: BM013498.D
Acq: 18 Dec 2017 14:48

Tgt Ion:252 Resp: 169679
Ion Ratio Lower Upper
252 100
253 23.4 17.1 25.7
125 8.3 3.4 5.2#





#88

Benzo(a)pyrene

Concen: 3.654 ng/ul

RT: 23.39 min Scan# 3451

Delta R.T. 0.01 min

Lab File: BM013498.D

Acq: 18 Dec 2017 14:48

Instrument :

BNA_M

ClientSampleId :

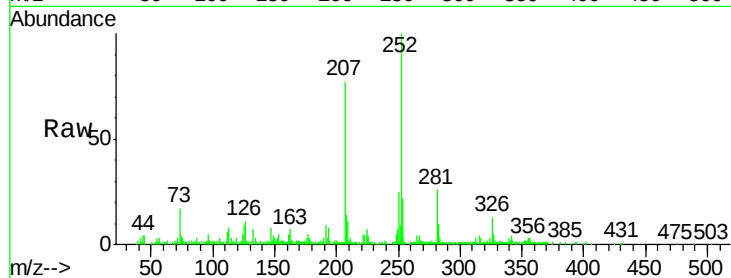
Tot Ion:252 Resp: 138224

Ion Ratio Lower Upper

252 100

253 22.4 18.2 27.2

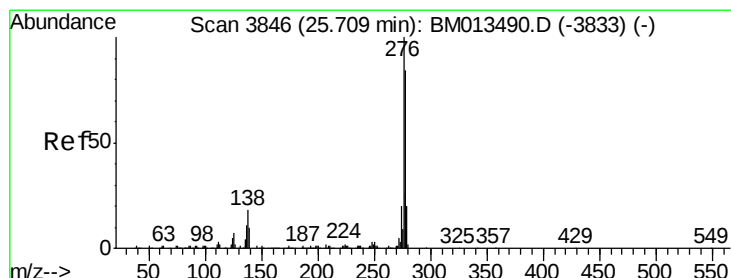
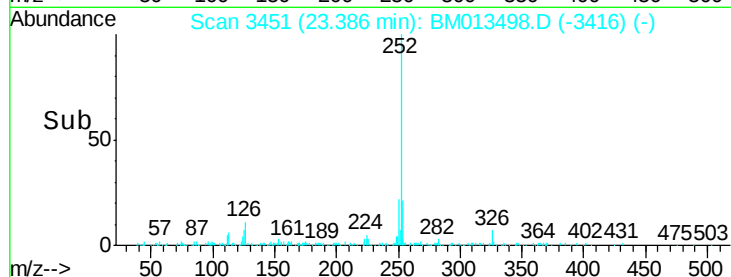
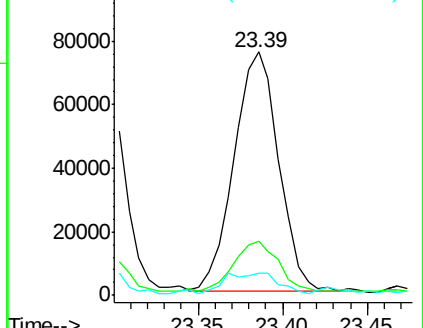
125 9.1 4.0 6.0#



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: 2.214 ng/ul

RT: 25.71 min Scan# 3846

Delta R.T. 0.00 min

Lab File: BM013498.D

Acq: 18 Dec 2017 14:48

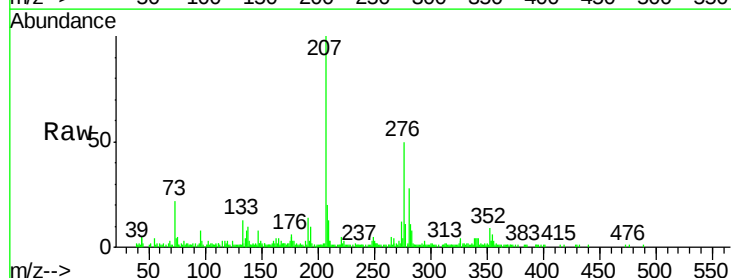
Tgt Ion:276 Resp: 83094

Ion Ratio Lower Upper

276 100

138 19.8 9.3 13.9#

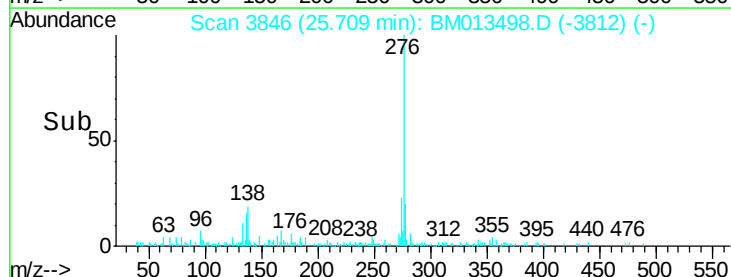
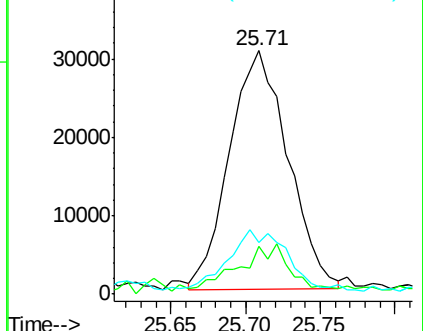
277 21.4 19.9 29.9

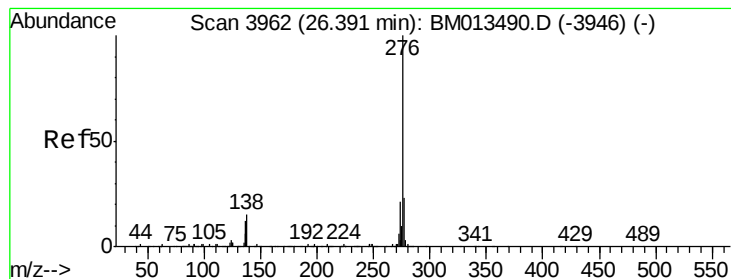


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(a,h,i)perylene

Concen: 1.751 ng/ul

RT: 26.40 min Scan# 3963

Delta R.T. 0.01 min

Lab File: BM013498.D

Acq: 18 Dec 2017 14:48

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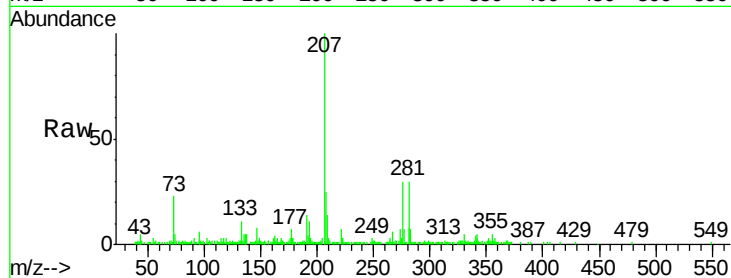
Tot Ion: 276 Resp: 51822

Ion Ratio Lower Upper

276 100

138 16.8 8.5 12.7#

277 22.1 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

