

Data Path : Z:\HPCHEM1\BNA M\DATA\BM121817\
 Data File : BM013504.D
 Acq On : 18 Dec 2017 18:24
 Operator : SJ/JU
 Sample : I6776-04MEDL2 30X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Dec 19 00:44:53 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	181499	20.00	ng/ul	0.00
18) Naphthalene-d8	10.45	136	802656	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.32	164	474990	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.06	188	1045646	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	931074	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	801169	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	742	0.20	ng/uL	0.00
5) Phenol-d5	6.86	99	14465	0.92	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.02	67	9382	1.05	ng/ul	0.00
9) 2-Chlorophenol-d4	7.21	132	11112	0.91	ng/ul	0.00
13) 4-Methylphenol-d8	8.40	113	10802	0.81	ng/ul	0.02
19) Nitrobenzene-d5	8.84	128	7002	1.10	ng/ul	0.01
22) 2-Nitrophenol-d4	9.55	143	5954	0.87	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.10	165	7285	0.52	ng/ul	0.02
29) 4-Chloroaniline-d4	10.62	131	8324	0.65	ng/ul	0.02
43) Dimethylphthalate-d6	13.73	166	44194	1.05	ng/ul	0.00
46) Acenaphthylene-d8	14.01	160	56341	1.08	ng/ul	0.00
51) 4-Nitrophenol-d4	14.57	143	1150	0.16	ng/ul	0.04
57) Fluorene-d10	15.32	176	41976	1.15	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	1233	0.19	ng/ul	0.01
70) Anthracene-d10	17.16	188	64136	1.22	ng/ul	0.00
76) Pyrene-d10	19.46	212	69416	1.50	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	48357	1.18	ng/ul	0.00

Target Compounds

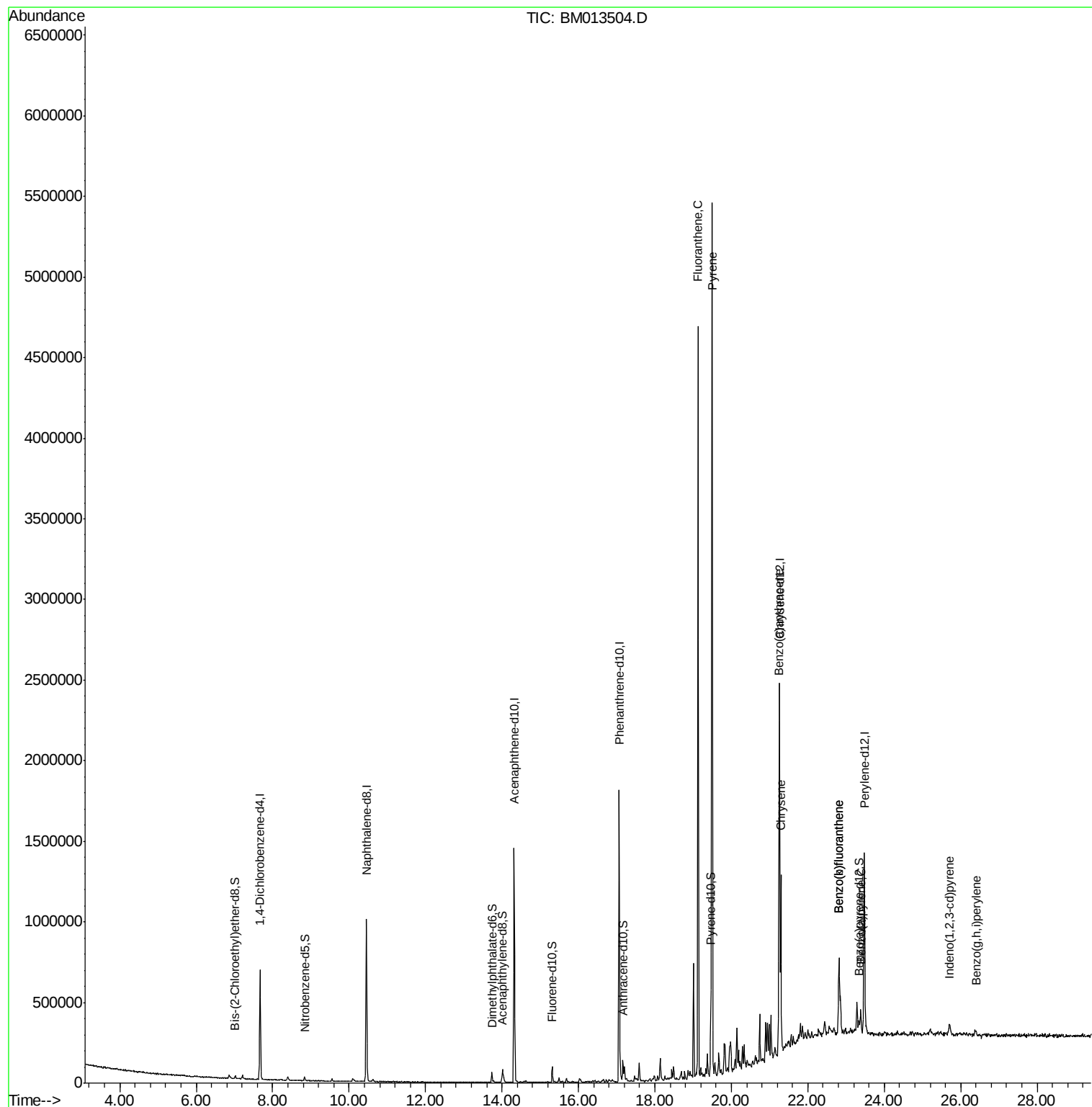
					Ovalue	
74) Fluoranthene	19.13	202	2827010	38.833	ng/ul#	93
77) Pyrene	19.50	202	3417689	60.420	ng/ul#	93
80) Benzo(a)anthracene	21.24	228	537222	9.094	ng/ul	99
82) Chrysene	21.29	228	616823	11.255	ng/ul	99
85) Benzo(b)fluoranthene	22.81	252	374182	6.928	ng/ul#	98
86) Benzo(k)fluoranthene	22.81	252	374182	7.362	ng/ul#	96
88) Benzo(a)pyrene	23.39	252	95385	1.966	ng/ul#	92
89) Indeno(1,2,3-cd)pyrene	25.71	276	55128	1.145	ng/ul	92
91) Benzo(a,h,i)perylene	26.40	276	39832	1.049	ng/ul#	86

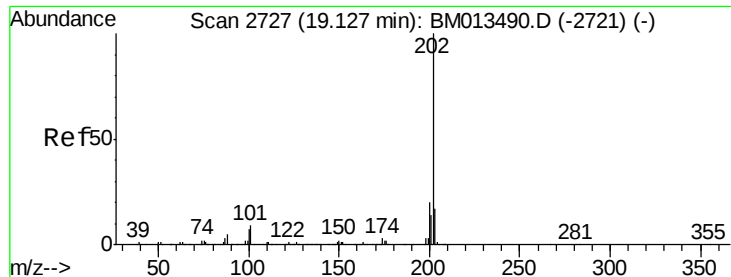
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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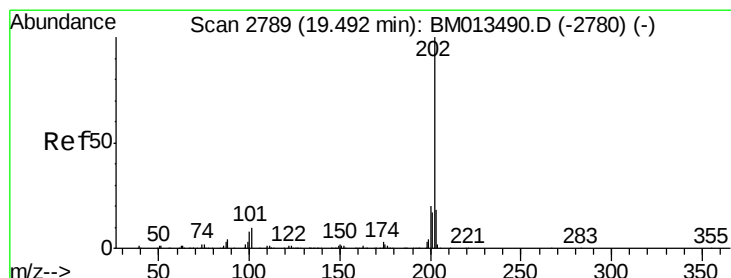
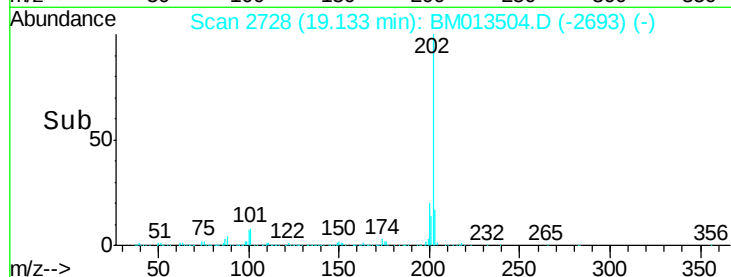
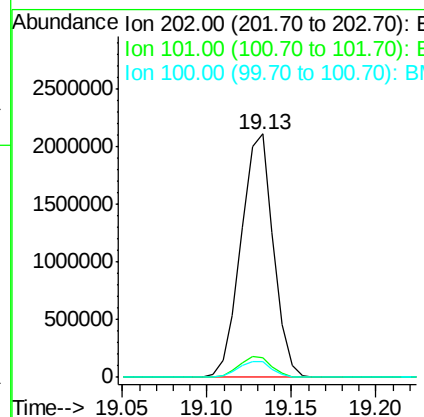
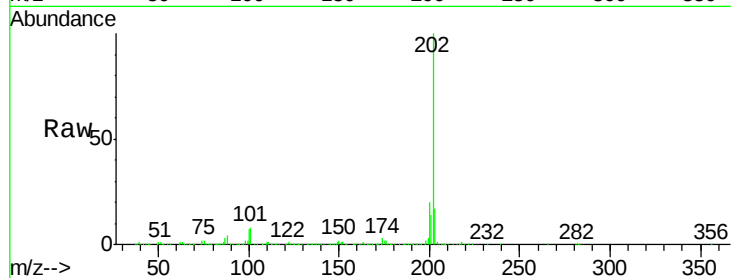




#74
 Fluoranthene
 Concen: 38.833 ng/ul
 RT: 19.13 min Scan# 2728
 Delta R.T. 0.01 min
 Lab File: BM013504.D
 Acq: 18 Dec 2017 18:24

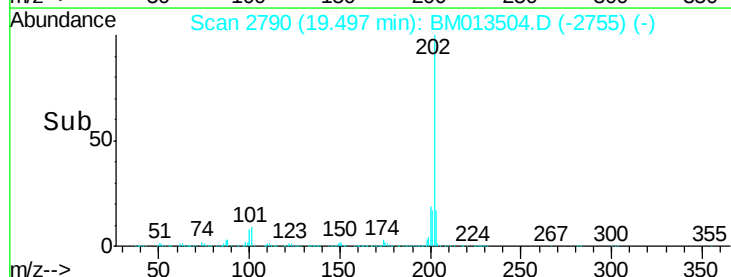
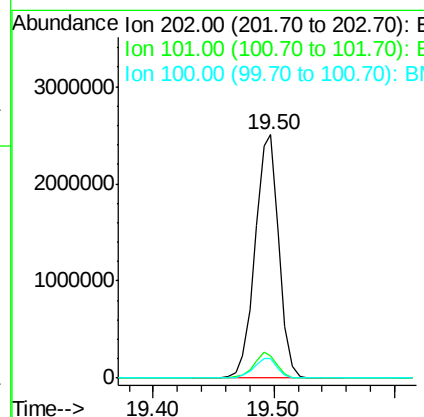
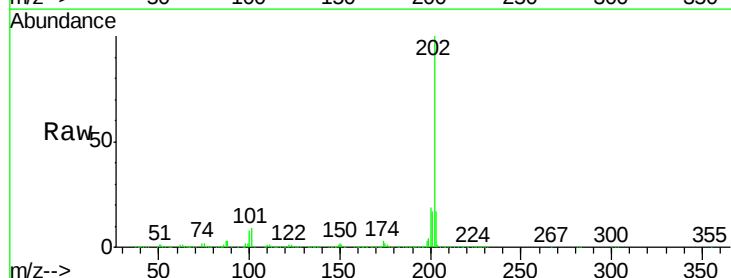
Instrument :
 BNA_M
 ClientSampleId :

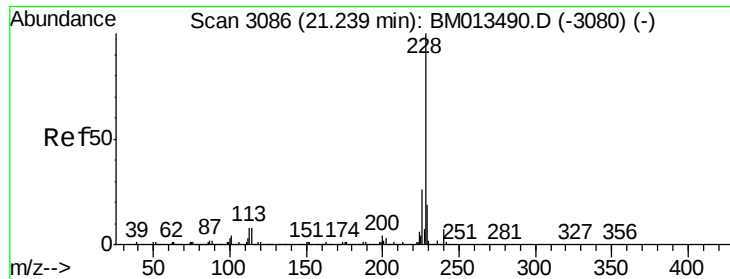
Tot Ion:202 Resp: 2827010
 Ion Ratio Lower Upper
 202 100
 101 8.1 4.6 7.0#
 100 6.6 3.4 5.2#



#77
 Pyrene
 Concen: 60.420 ng/ul
 RT: 19.50 min Scan# 2790
 Delta R.T. 0.01 min
 Lab File: BM013504.D
 Acq: 18 Dec 2017 18:24

Tgt Ion:202 Resp: 3417689
 Ion Ratio Lower Upper
 202 100
 101 9.3 5.1 7.7#
 100 7.9 4.9 7.3#





#80

Benzo(a)anthracene

Concen: 9.094 ng/ul

RT: 21.24 min Scan# 3087

Delta R.T. 0.01 min

Lab File: BM013504.D

Acq: 18 Dec 2017 18:24

Instrument :

BNA_M

ClientSampled :

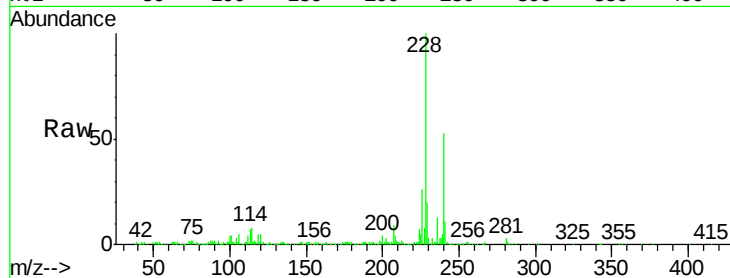
Tot Ion:228 Resp: 537222

Ion Ratio Lower Upper

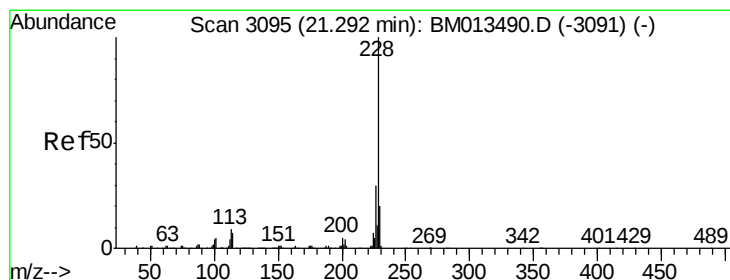
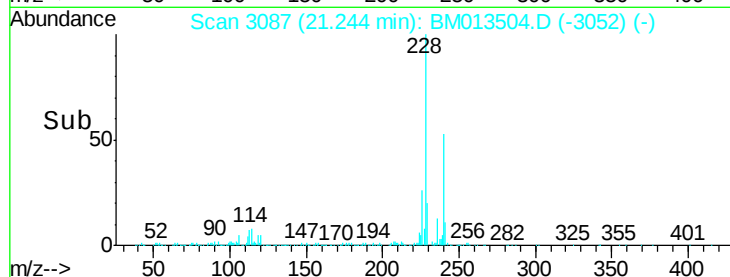
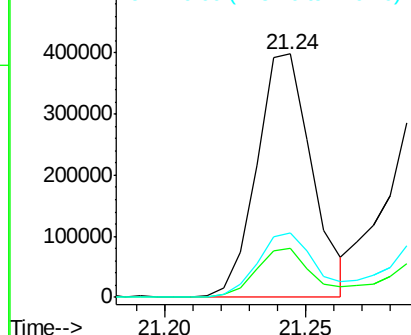
228 100

229 19.9 15.4 23.0

226 26.3 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: 11.255 ng/ul

RT: 21.29 min Scan# 3095

Delta R.T. -0.00 min

Lab File: BM013504.D

Acq: 18 Dec 2017 18:24

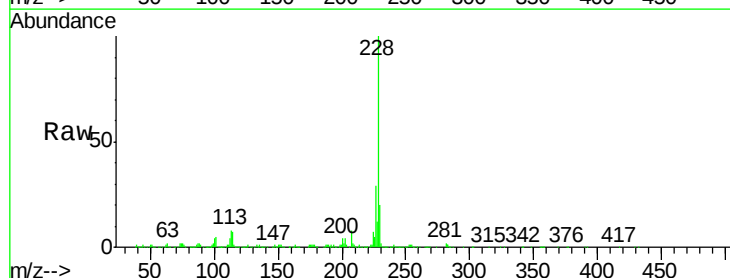
Tgt Ion:228 Resp: 616823

Ion Ratio Lower Upper

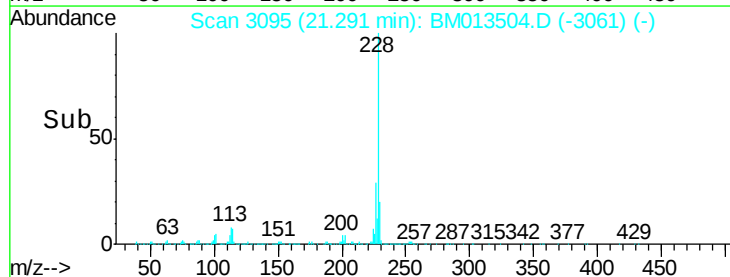
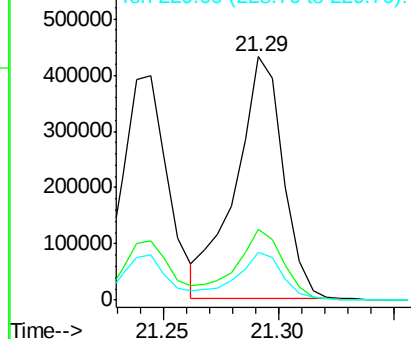
228 100

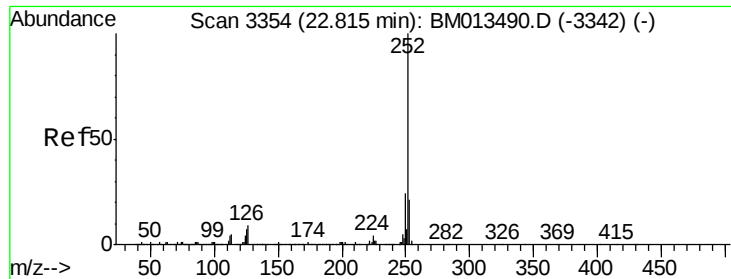
226 28.9 23.4 35.2

229 19.9 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

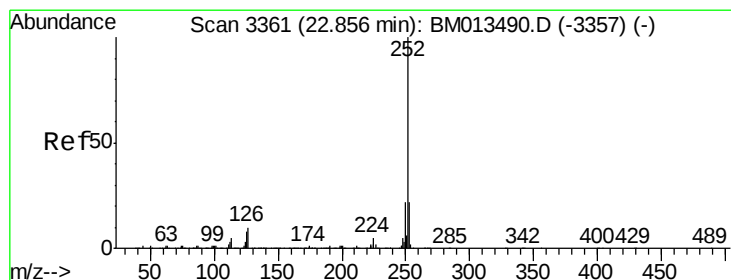
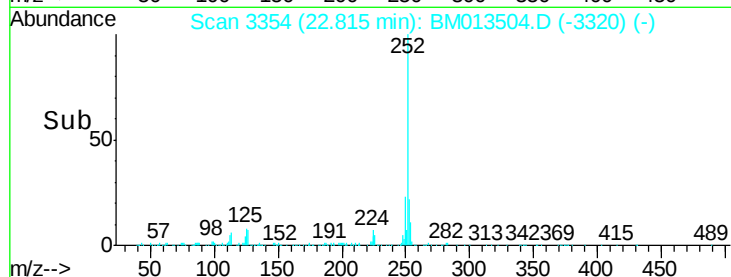
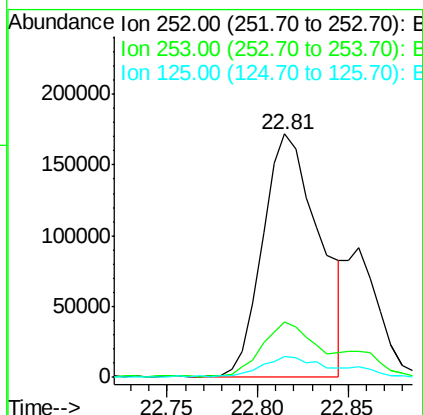
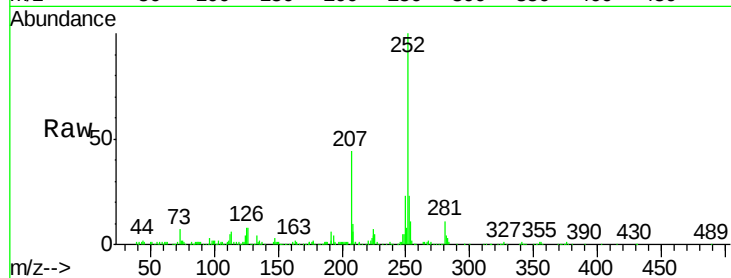




#85
Benzo(b)fluoranthene
Concen: 6.928 ng/ul
RT: 22.81 min Scan# 3354
Delta R.T. -0.00 min
Lab File: BM013504.D
Acq: 18 Dec 2017 18:24

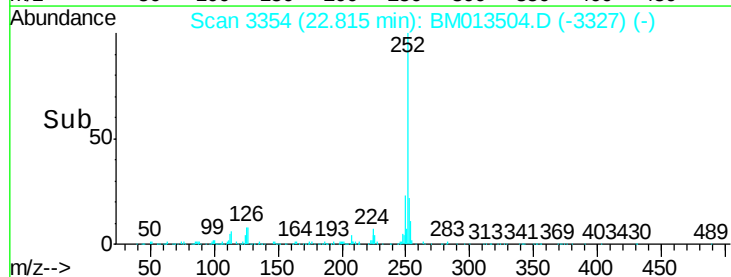
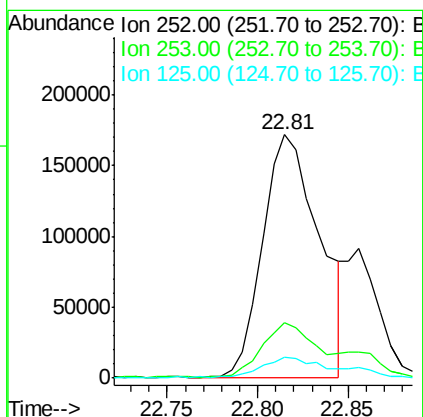
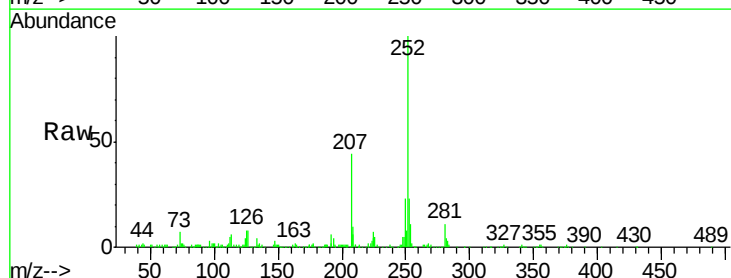
Instrument :
BNA_M
ClientSampleId :

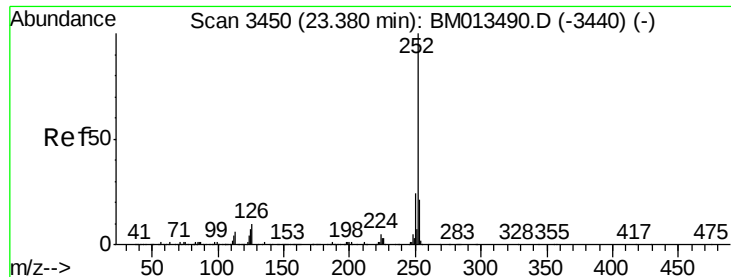
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	8.4	3.6	5.4



#86
Benzo(k)fluoranthene
Concen: 7.362 ng/ul
RT: 22.81 min Scan# 3354
Delta R.T. -0.04 min
Lab File: BM013504.D
Acq: 18 Dec 2017 18:24

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.1	25.7
125	8.4	3.4	5.2





#88

Benzo(a)pyrene

Concen: 1.966 ng/ul

RT: 23.39 min Scan# 3451

Delta R.T. 0.01 min

Lab File: BM013504.D

Acq: 18 Dec 2017 18:24

Instrument :

BNA_M

ClientSampleId :

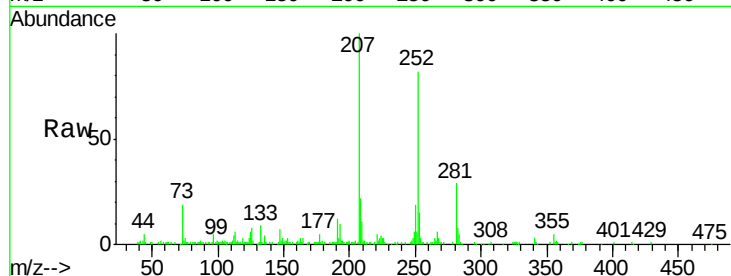
Tot Ion:252 Resp: 95385

Ion Ratio Lower Upper

252 100

253 18.4 18.2 27.2

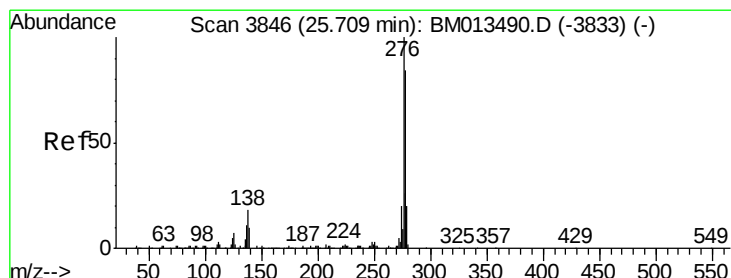
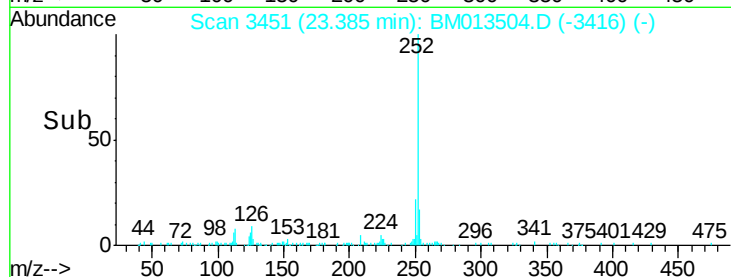
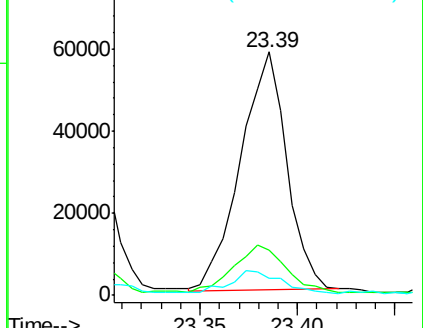
125 7.0 4.0 6.0#



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: 1.145 ng/ul

RT: 25.71 min Scan# 3846

Delta R.T. -0.00 min

Lab File: BM013504.D

Acq: 18 Dec 2017 18:24

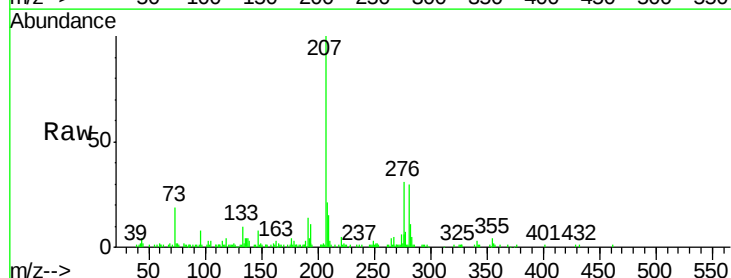
Tgt Ion:276 Resp: 55128

Ion Ratio Lower Upper

276 100

138 12.9 9.3 13.9

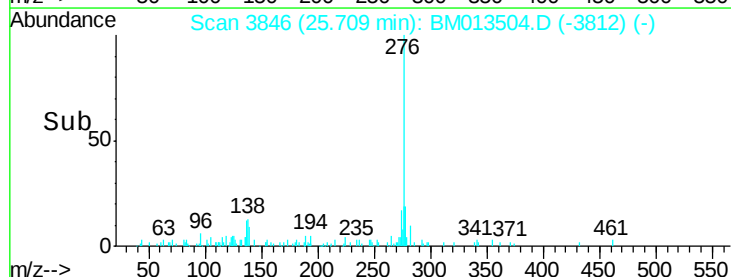
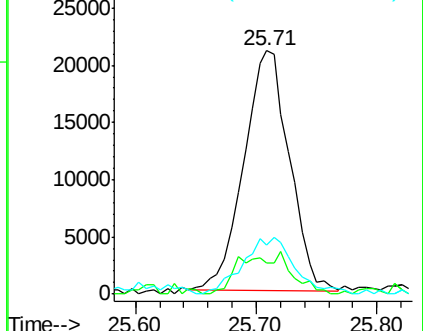
277 20.0 19.9 29.9

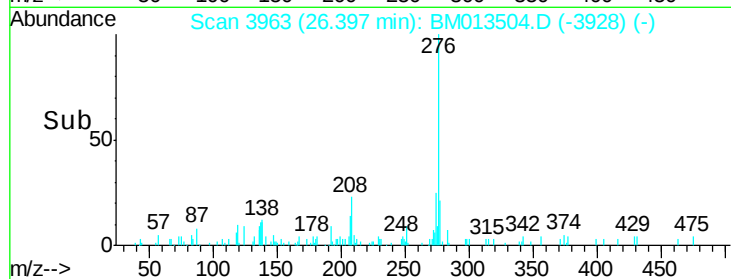
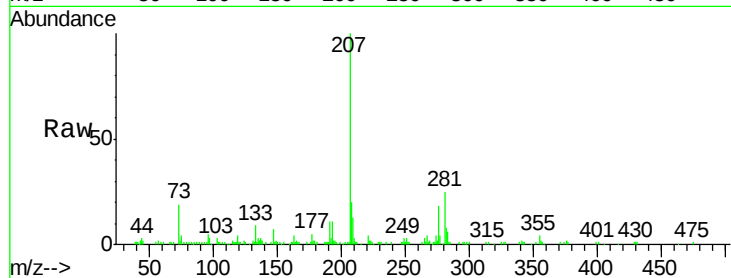
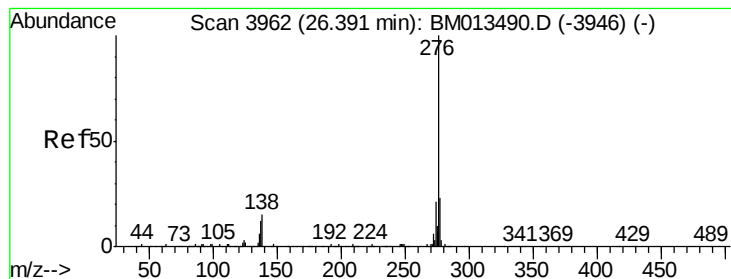


Abundance Ion 276.00 (275.70 to 276.70): E

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: 1.049 ng/ul

RT: 26.40 min Scan# 3963

Delta R.T. 0.01 min

Lab File: BM013504.D

Acq: 18 Dec 2017 18:24

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 39832

Ion Ratio Lower Upper

276 100

138 23.7 8.5 12.7#

277 20.9 18.6 28.0

