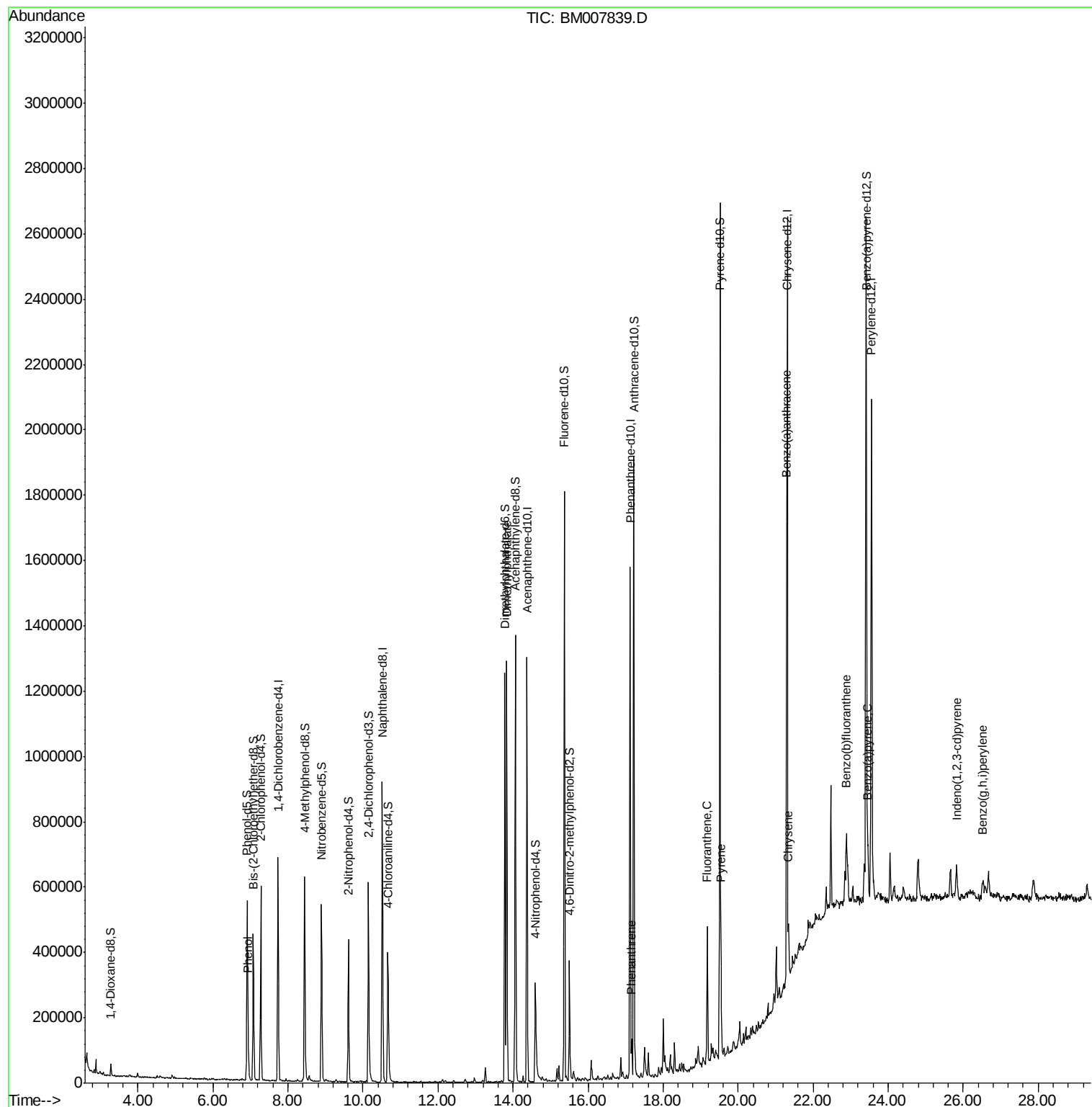
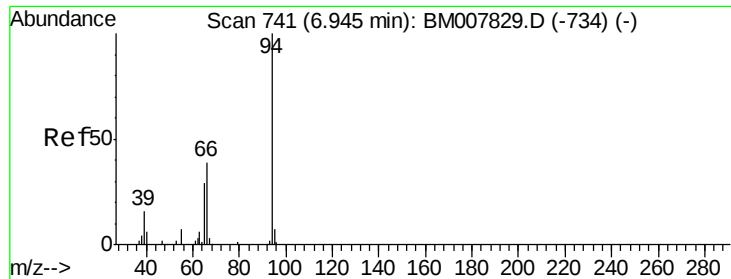


Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
Data File : BM007839.D
Acq On : 11 Nov 2016 23:06
Operator : UM/SJ
Sample : H5610-09
Misc :
ALS Vial : 25 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
BD4M1

Quant Time: Nov 12 04:07:08 2016
Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
Quant Title : SVOA CALIBRATION
QLast Update : Sat Nov 12 03:12:55 2016
Response via : Initial Calibration





#6

Phenol

Concen: 3.03 ng/ul

RT: 6.94 min Scan# 740

Delta R.T. -0.01 min

Lab File: BM007839.D

Acq: 11 Nov 2016 23:06

Instrument :

BNA_M

ClientSampleId :

BD4M1

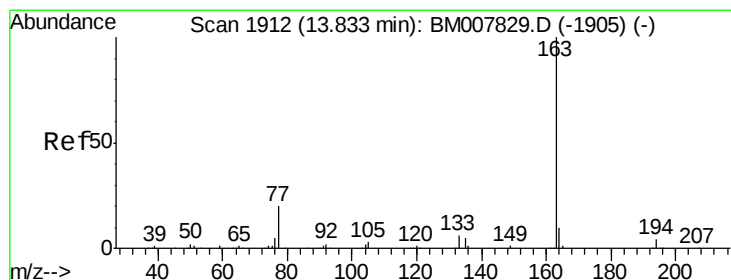
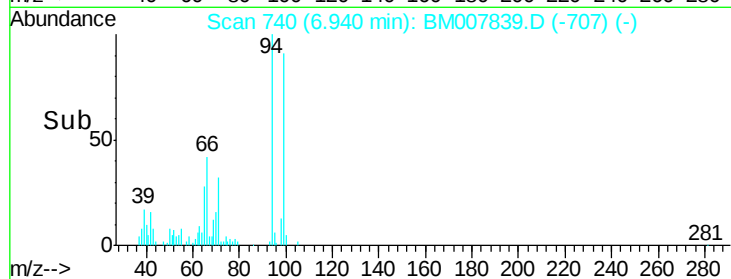
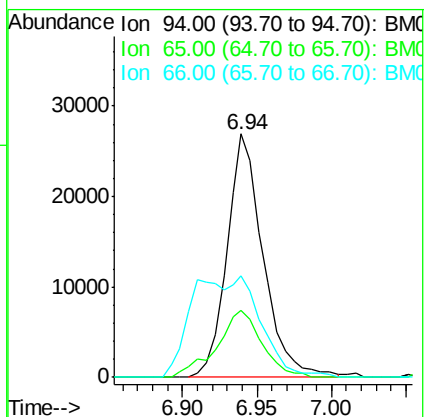
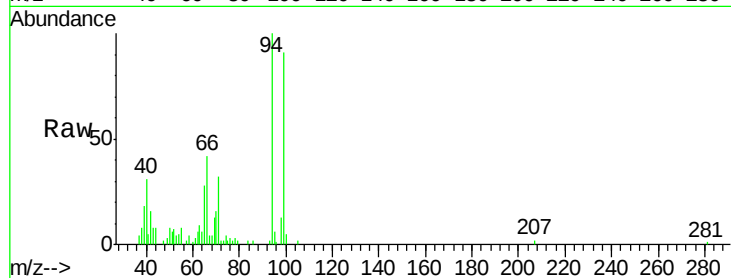
Tgt Ion: 94 Resp: 45534

Ion Ratio Lower Upper

94 100

65 27.7 23.9 35.9

66 41.9 33.5 50.3



#44

Dimethylphthalate

Concen: 26.41 ng/ul

RT: 13.83 min Scan# 1912

Delta R.T. 0.00 min

Lab File: BM007839.D

Acq: 11 Nov 2016 23:06

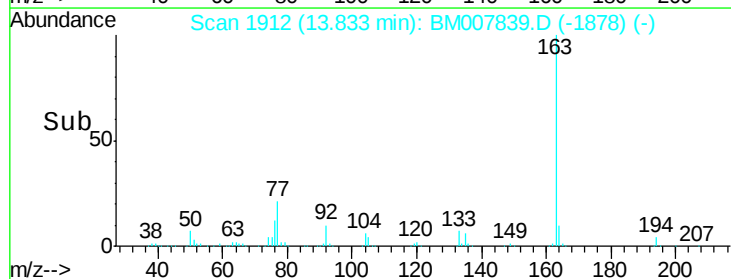
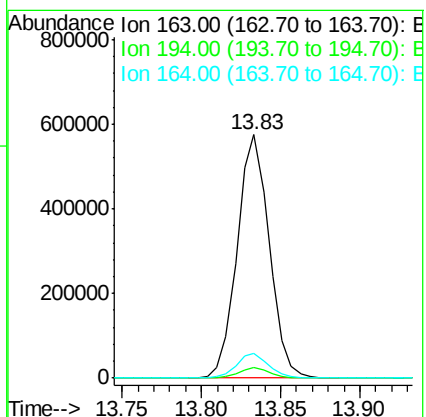
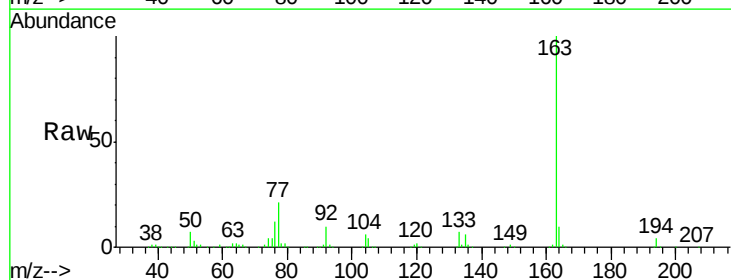
Tgt Ion: 163 Resp: 804625

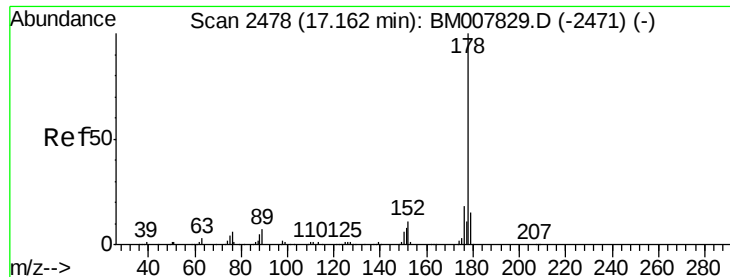
Ion Ratio Lower Upper

163 100

194 4.4 3.4 5.2

164 10.2 7.8 11.8





#69

Phenanthrene

Concen: 1.45 ng/ul

RT: 17.16 min Scan# 2478

Delta R.T. 0.00 min

Lab File: BM007839.D

Acq: 11 Nov 2016 23:06

Instrument :

BNA_M

ClientSampleId :

BD4M1

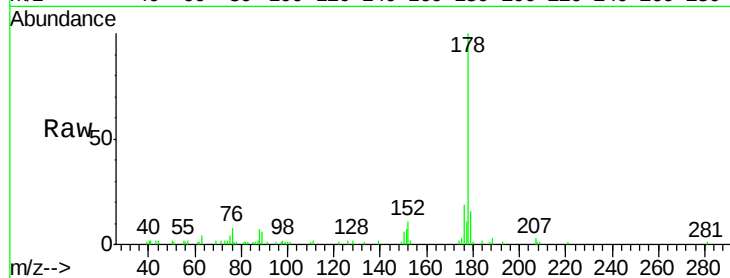
Tgt Ion:178 Resp: 70156

Ion Ratio Lower Upper

178 100

179 16.3 12.2 18.2

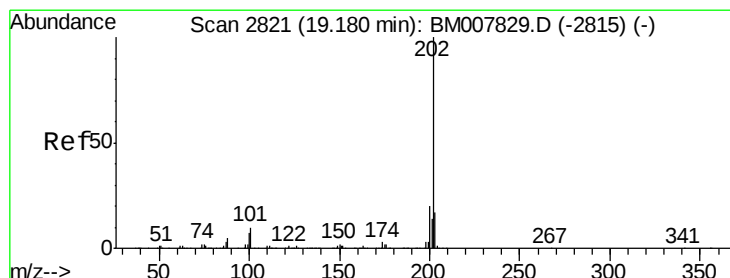
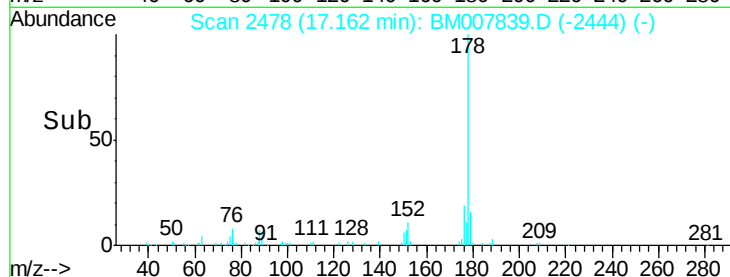
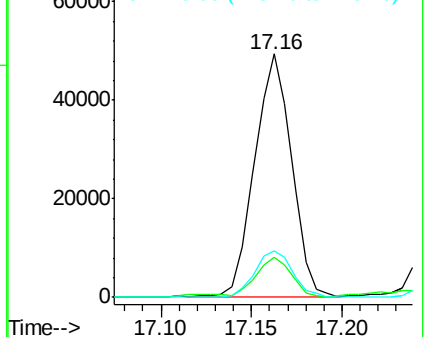
176 19.0 15.1 22.7



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: 4.23 ng/ul

RT: 19.18 min Scan# 2821

Delta R.T. 0.00 min

Lab File: BM007839.D

Acq: 11 Nov 2016 23:06

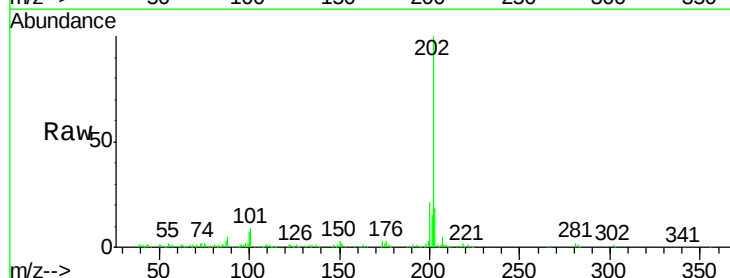
Tgt Ion:202 Resp: 238648

Ion Ratio Lower Upper

202 100

101 9.1 6.9 10.3

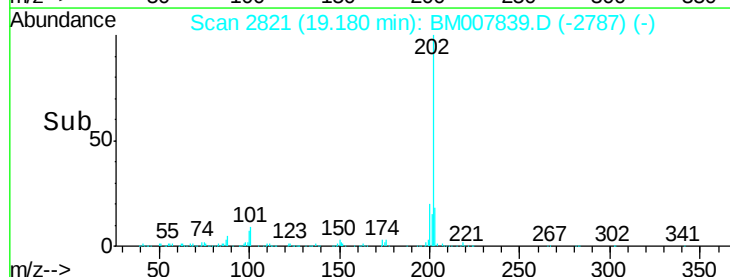
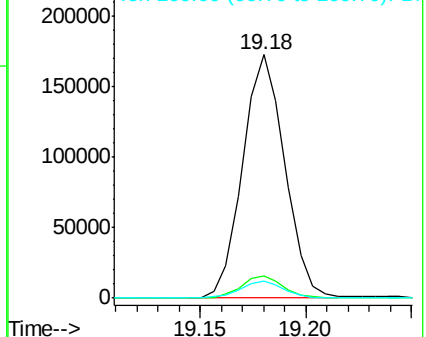
100 7.0 5.4 8.0

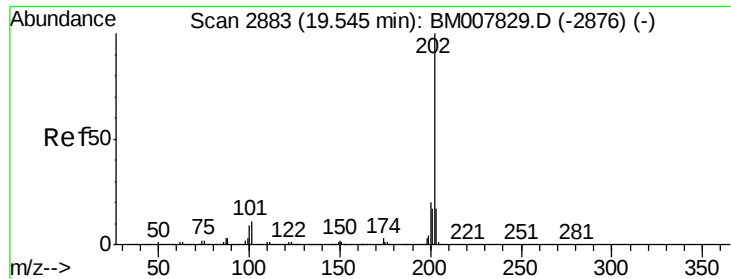


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

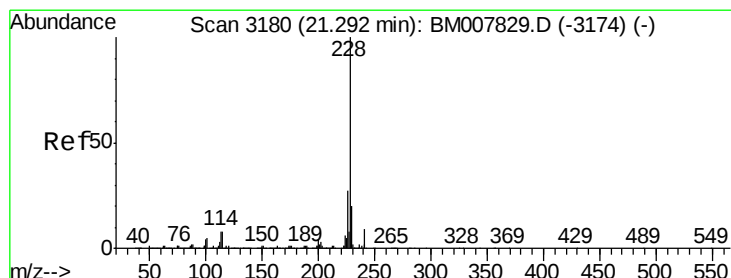
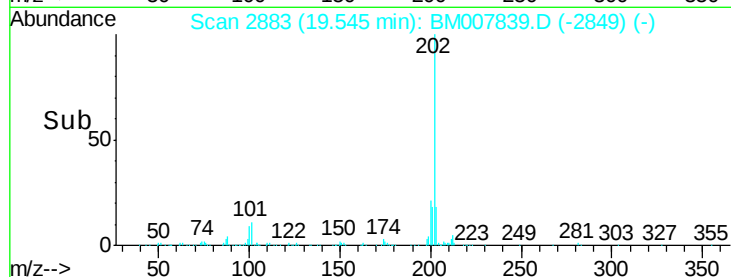
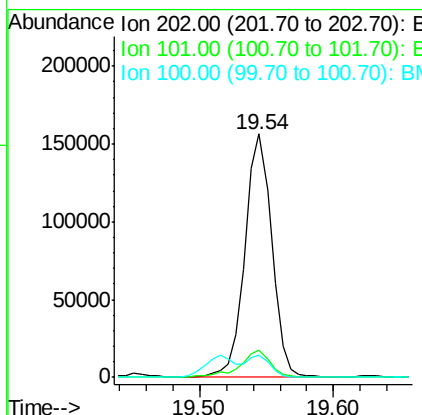
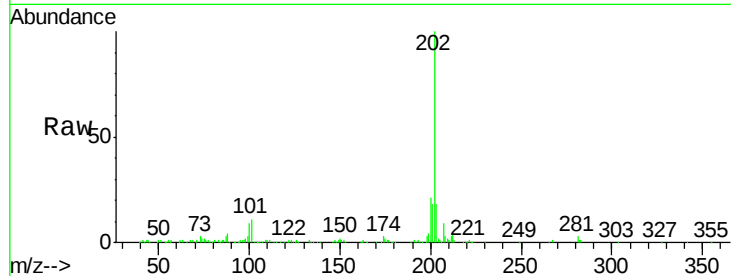




#77
 Pyrene
 Concen: 3.66 ng/ul
 RT: 19.54 min Scan# 2883
 Delta R.T. 0.00 min
 Lab File: BM007839.D
 Acq: 11 Nov 2016 23:06

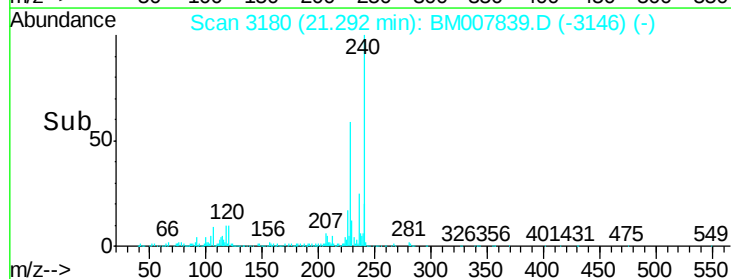
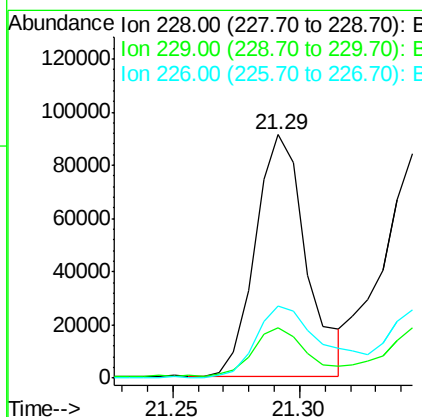
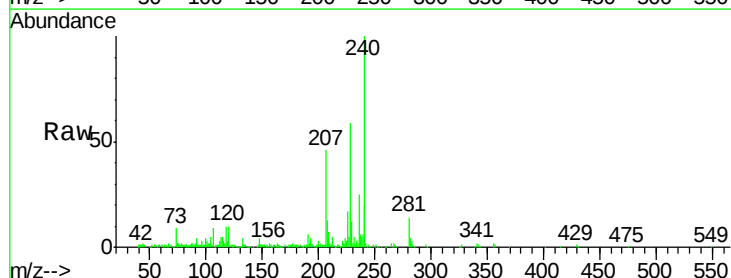
Instrument :
 BNA_M
 ClientSampleId :
 BD4M1

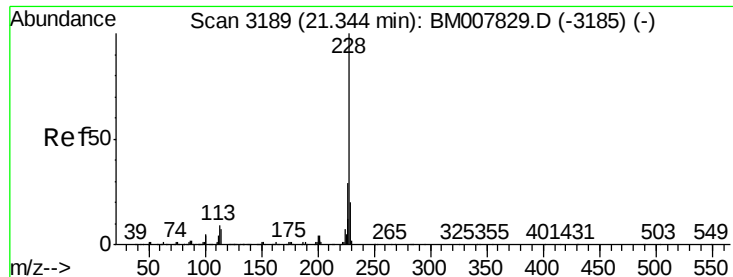
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	214880		
101	11.1		8.4	12.6
100	9.0		6.9	10.3



#80
 Benzo(a)anthracene
 Concen: 2.11 ng/ul
 RT: 21.29 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: BM007839.D
 Acq: 11 Nov 2016 23:06

Tgt Ion	Ratio	Resp	Lower	Upper
228	100	128197		
229	20.5		15.6	23.4
226	29.7		21.8	32.8





#82

Chrysene

Concen: 2.06 ng/ul

RT: 21.34 min Scan# 3189

Delta R.T. 0.00 min

Lab File: BM007839.D

Acq: 11 Nov 2016 23:06

Instrument :

BNA_M

ClientSampleId :

BD4M1

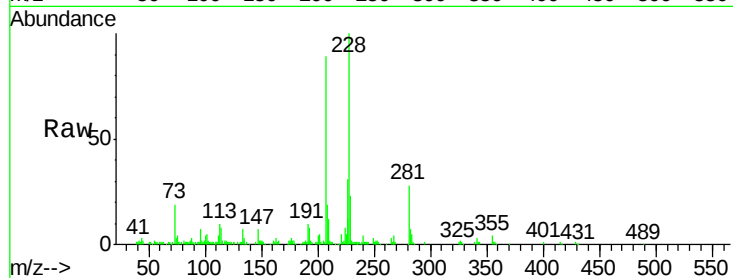
Tgt Ion:228 Resp: 120270

Ion Ratio Lower Upper

228 100

226 30.5 23.4 35.2

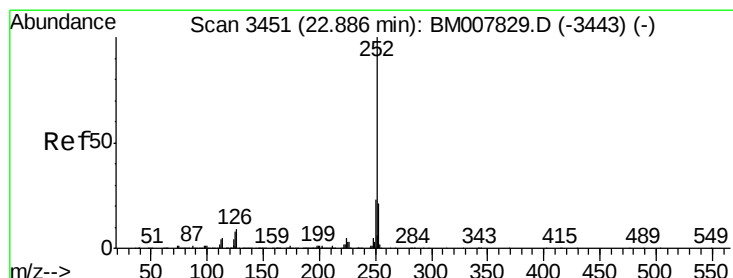
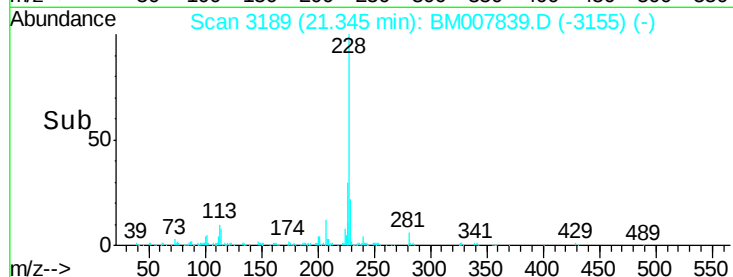
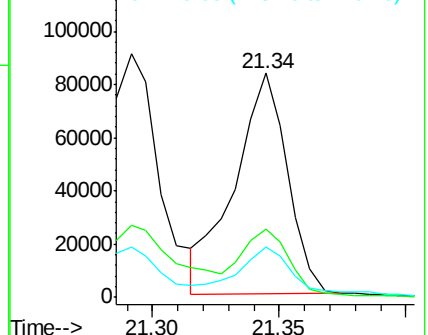
229 22.6 15.5 23.3



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: 2.92 ng/ul

RT: 22.89 min Scan# 3451

Delta R.T. 0.00 min

Lab File: BM007839.D

Acq: 11 Nov 2016 23:06

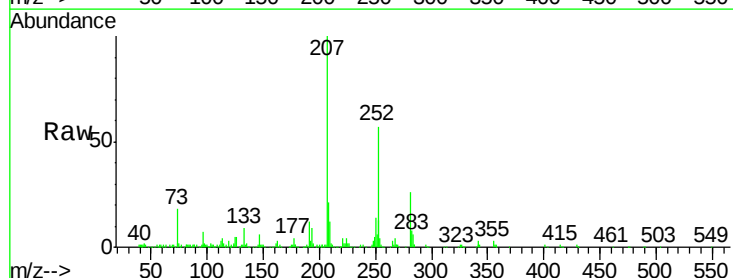
Tgt Ion:252 Resp: 193148

Ion Ratio Lower Upper

252 100

253 23.5 17.1 25.7

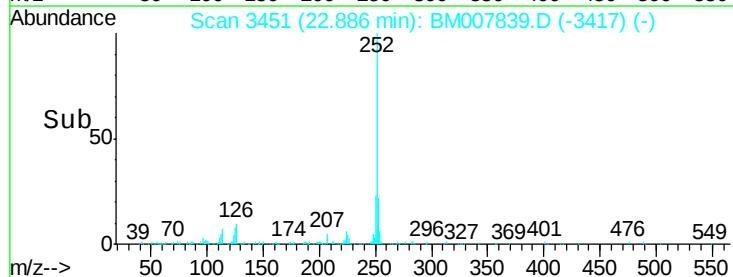
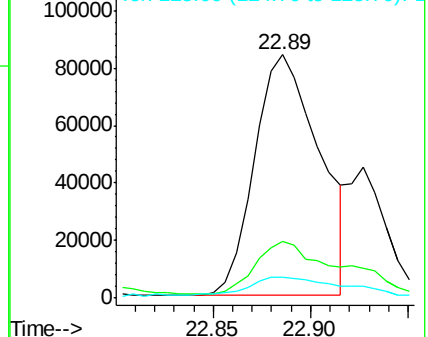
125 8.6 5.8 8.8

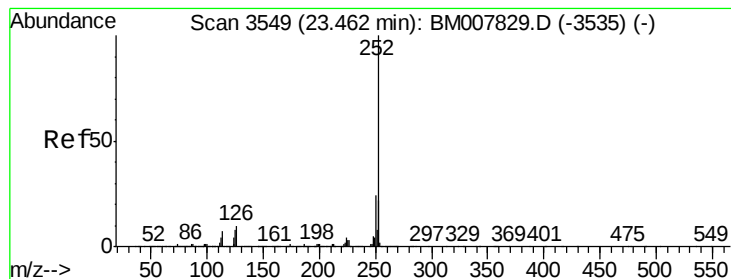


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 1.86 ng/ul

RT: 23.46 min Scan# 3548

Delta R.T. -0.01 min

Lab File: BM007839.D

Acq: 11 Nov 2016 23:06

Instrument :

BNA_M

ClientSampleId :

BD4M1

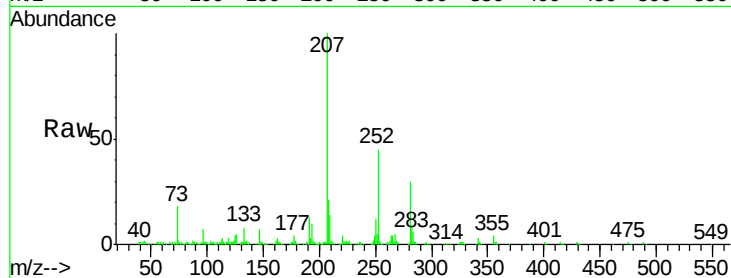
Tgt Ion:252 Resp: 116183

Ion Ratio Lower Upper

252 100

253 22.2 17.7 26.5

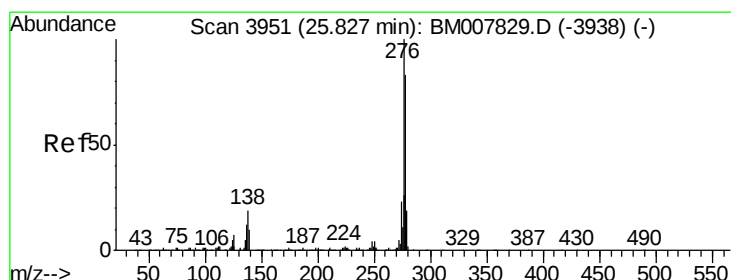
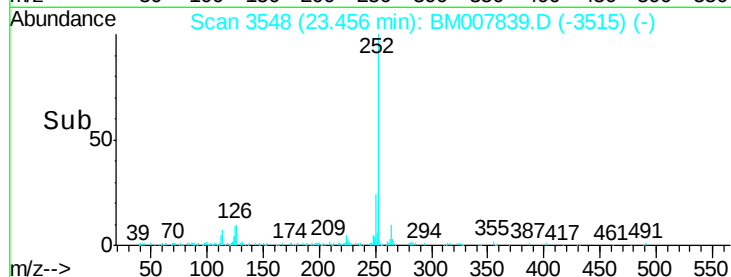
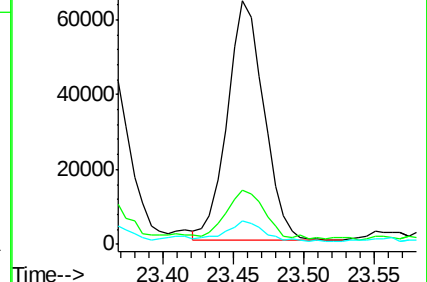
125 9.7 6.6 9.8



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: 1.20 ng/ul

RT: 25.82 min Scan# 3950

Delta R.T. -0.01 min

Lab File: BM007839.D

Acq: 11 Nov 2016 23:06

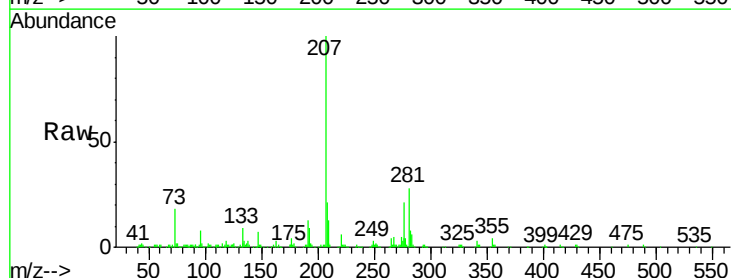
Tgt Ion:276 Resp: 89540

Ion Ratio Lower Upper

276 100

138 13.4 13.9 20.9#

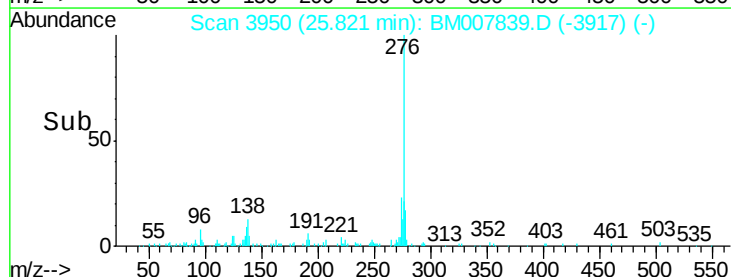
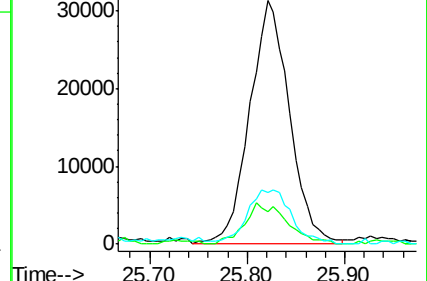
277 21.3 20.1 30.1

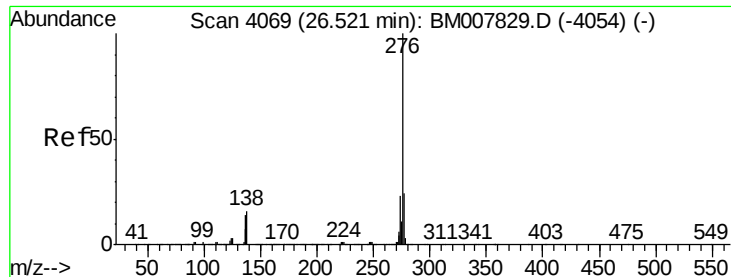


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#91

Benzo(g,h,i)perylene

Concen: 1.05 ng/ul

RT: 26.51 min Scan# 4068

Delta R.T. -0.01 min

Lab File: BM007839.D

Acq: 11 Nov 2016 23:06

Instrument :

BNA_M

ClientSampleId :

BD4M1

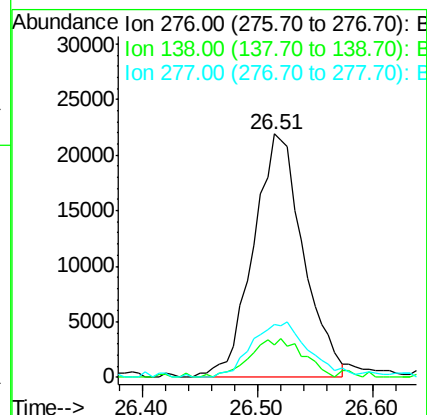
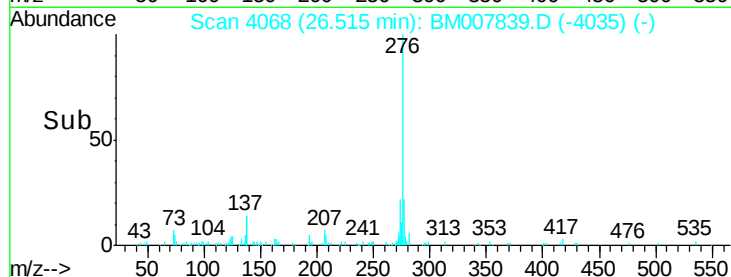
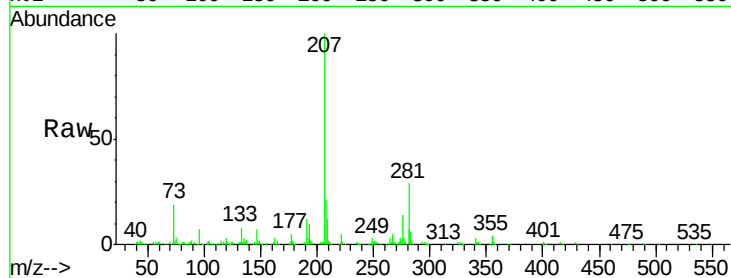
Tgt Ion: 276 Resp: 66154

Ion Ratio Lower Upper

276 100

138 13.3 13.5 20.3#

277 21.7 19.3 28.9



Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111116\
 Data File : BM007839.D
 Acq On : 11 Nov 2016 23:06
 Operator : UM/SJ
 Sample : H5610-09
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 BD4M1

Quant Time: Nov 12 04:07:08 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM102016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Nov 12 03:12:55 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	189618	20.00	ng/ul	0.00
18) Naphthalene-d8	10.52	136	725337	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.37	164	460769	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.12	188	907861	20.00	ng/ul	0.00
75) Chrysene-d12	21.31	240	1135083	20.00	ng/ul	0.00
83) Perylene-d12	23.56	264	1158583	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.28	96	18977	4.29	ng/uL	0.00
5) Phenol-d5	6.92	99	336678	23.00	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.07	67	207315	23.87	ng/ul	0.00
9) 2-Chlorophenol-d4	7.27	132	267398	23.82	ng/ul	0.00
13) 4-Methylphenol-d8	8.45	113	248024	21.66	ng/ul	0.00
19) Nitrobenzene-d5	8.89	128	130700	25.04	ng/ul	0.00
22) 2-Nitrophenol-d4	9.61	143	139847	25.27	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.15	165	253651	23.31	ng/ul	0.00
29) 4-Chloroaniline-d4	10.66	131	241332	19.45	ng/ul	0.00
43) Dimethylphthalate-d6	13.79	166	835209	26.62	ng/ul	0.00
46) Acenaphthylene-d8	14.06	160	957717	25.36	ng/ul	0.00
51) 4-Nitrophenol-d4	14.60	143	107005	21.57	ng/ul	0.00
57) Fluorene-d10	15.37	176	717542	26.10	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.50	200	91186	16.91	ng/ul	0.00
70) Anthracene-d10	17.22	188	1103950	26.98	ng/ul	0.00
76) Pyrene-d10	19.52	212	1335762	28.64	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.41	264	1410163	27.88	ng/ul	0.00

Target Compounds

						Qvalue
6) Phenol	6.94	94	45534	3.03	ng/ul	98
44) Dimethylphthalate	13.83	163	804625	26.41	ng/ul	99
69) Phenanthrene	17.16	178	70156	1.45	ng/ul	99
74) Fluoranthene	19.18	202	238648	4.23	ng/ul	99
77) Pyrene	19.54	202	214880	3.66	ng/ul	99
80) Benzo(a)anthracene	21.29	228	128197	2.11	ng/ul	96
82) Chrysene	21.34	228	120270	2.06	ng/ul	96
85) Benzo(b)fluoranthene	22.89	252	193148	2.92	ng/ul	96
88) Benzo(a)pyrene	23.46	252	116183	1.86	ng/ul	99
89) Indeno(1,2,3-cd)pyrene	25.82	276	89540	1.20	ng/ul#	92
91) Benzo(g,h,i)perylene	26.51	276	66154	1.05	ng/ul#	94

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