

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092717\
 Data File : BM011734.D
 Acq On : 27 Sep 2017 21:44
 Operator : SJ/JU
 Sample : I5405-01
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Sep 28 04:07:20 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-BM092717.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Sep 28 04:06:20 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.94	152	174166	20.00	ng/ul	0.00
18) Naphthalene-d8	10.74	136	773176	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.57	164	440643	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.32	188	1005466	20.00	ng/ul	0.00
75) Chrysene-d12	21.48	240	1304213	20.00	ng/ul	0.00
83) Perylene-d12	23.84	264	1263193	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.36	96	1821	0.47	ng/uL	0.00
5) Phenol-d5	7.09	99	30581	1.79	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.26	67	90807	7.31	ng/ul	0.00
9) 2-Chlorophenol-d4	7.47	132	31606	2.48	ng/ul	0.00
13) 4-Methylphenol-d8	8.64	113	28392	2.12	ng/ul	0.00
19) Nitrobenzene-d5	9.10	128	43610	7.23	ng/ul	0.00
22) 2-Nitrophenol-d4	9.83	143	4663	0.72	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.36	165	17282	1.41	ng/ul	0.00
29) 4-Chloroaniline-d4	10.92	131	235	0.02	ng/ul	0.05
43) Dimethylphthalate-d6	13.97	166	99347	2.63	ng/ul	0.00
46) Acenaphthylene-d8	14.26	160	345050	7.55	ng/ul	0.00
51) 4-Nitrophenol-d4	0.00	143	0	0.00	ng/ul	
57) Fluorene-d10	15.56	176	288173	8.85	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.69	200	266	0.04	ng/ul	0.00
70) Anthracene-d10	17.41	188	482988	9.44	ng/ul	0.00
76) Pyrene-d10	19.70	212	622019	9.99	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.69	264	561268	9.28	ng/ul	0.00

Target Compounds

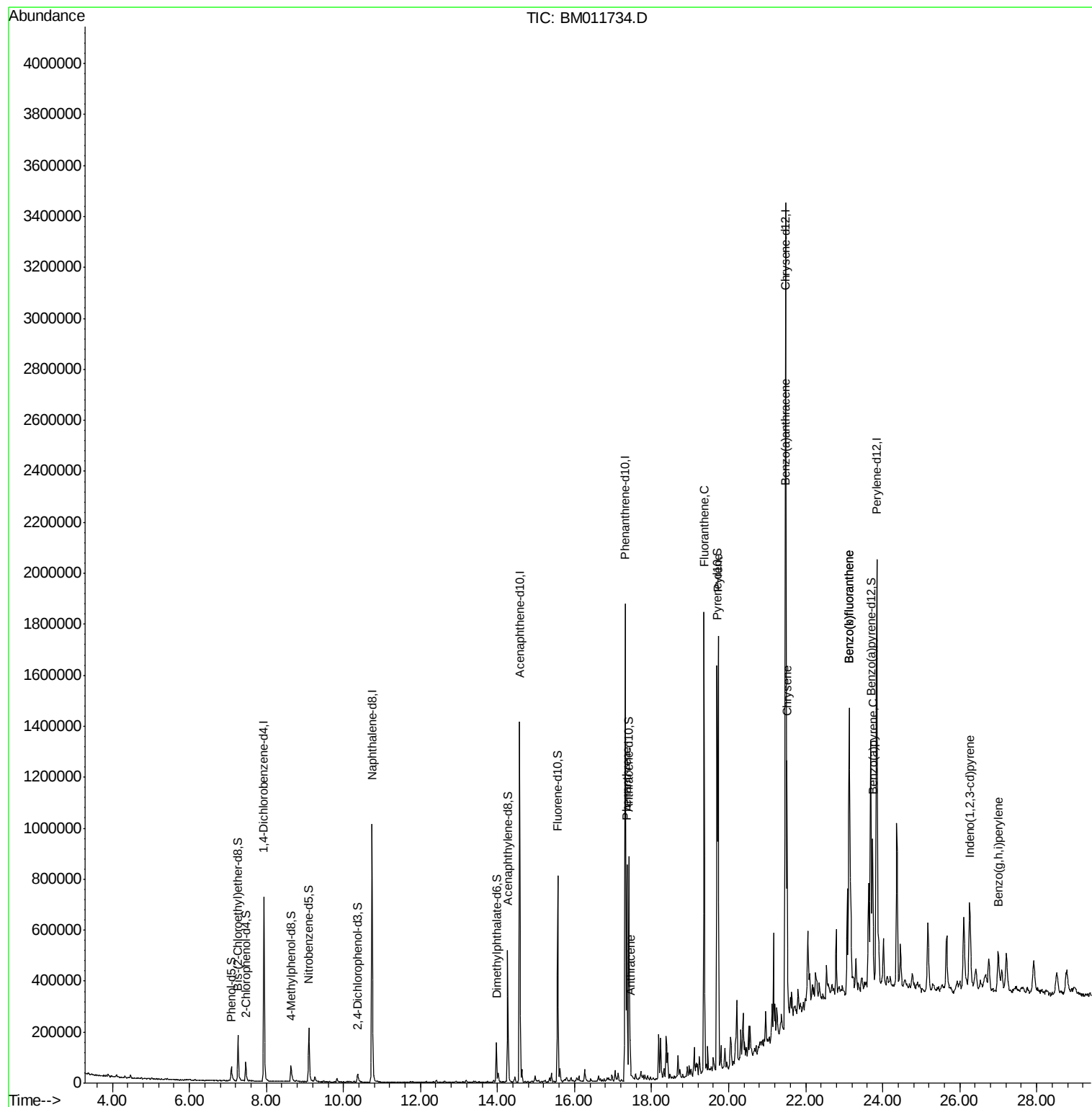
				Ovalue	
69) Phenanthrene	17.36	178	468057	8.317	ng/ul 98
71) Anthracene	17.44	178	79414	1.370	ng/ul 99
74) Fluoranthene	19.36	202	1018211	14.819	ng/ul# 88
77) Pyrene	19.73	202	973009	12.519	ng/ul# 87
80) Benzo(a)anthracene	21.46	228	558093	7.649	ng/ul 97
82) Chrysene	21.52	228	555403	8.071	ng/ul 98
85) Benzo(b)fluoranthene	23.13	252	678625	9.105	ng/ul# 96
86) Benzo(k)fluoranthene	23.13	252	678625	8.926	ng/ul# 94
88) Benzo(a)pyrene	23.74	252	426615	5.926	ng/ul# 97
89) Indeno(1,2,3-cd)pyrene	26.26	276	249428	3.328	ng/ul# 91
91) Benzo(g,h,i)perylene	27.00	276	206615	3.321	ng/ul# 89

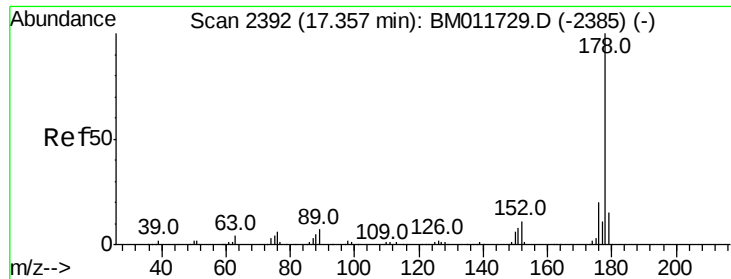
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Thu Sep 28 04:06:20 2017
Response via : Initial Calibration





#69

Phenanthrene

Concen: 8.317 ng/ul

RT: 17.36 min Scan# 2392

Delta R.T. -0.00 min

Lab File: BM011734.D

Acq: 27 Sep 2017 21:44

Instrument :

BNA_M

ClientSampleId :

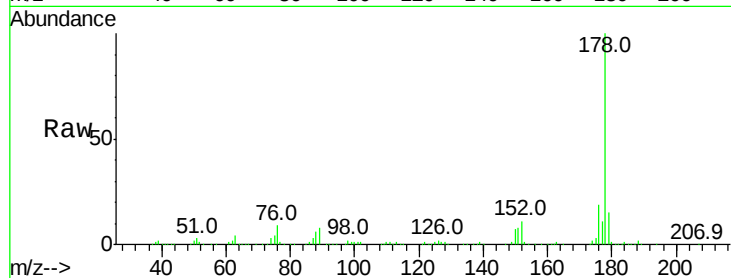
Tot Ion:178 Resp: 468057

Ion	Ratio	Lower	Upper
178	100		
179	15.0	12.6	19.0
176	19.5	14.9	22.3

178 100

179 15.0 12.6 19.0

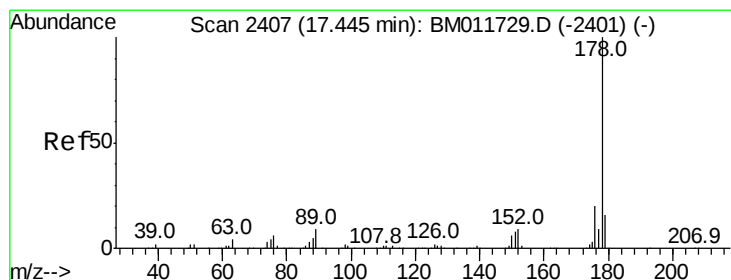
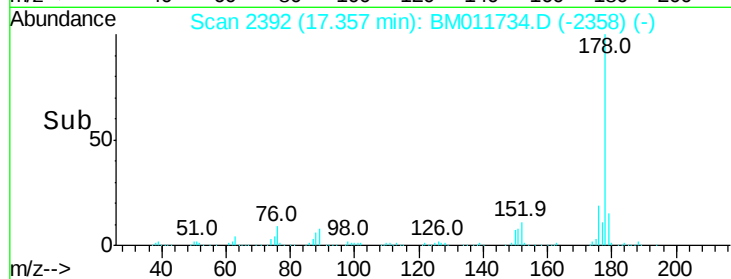
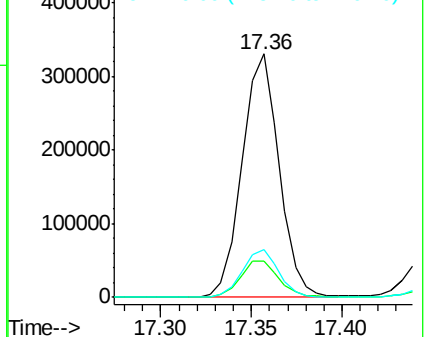
176 19.5 14.9 22.3



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: 1.370 ng/ul

RT: 17.44 min Scan# 2407

Delta R.T. -0.00 min

Lab File: BM011734.D

Acq: 27 Sep 2017 21:44

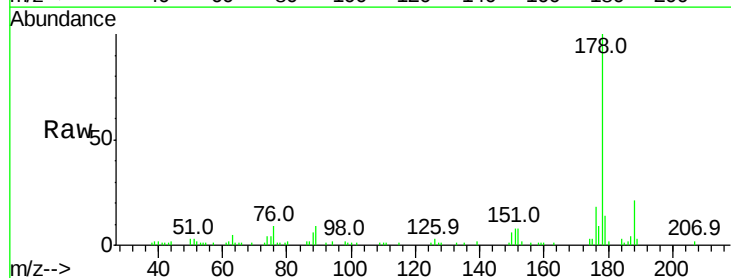
Tgt Ion:178 Resp: 79414

Ion	Ratio	Lower	Upper
178	100		
179	14.4	11.7	17.5
176	17.7	14.6	21.8

178 100

179 14.4 11.7 17.5

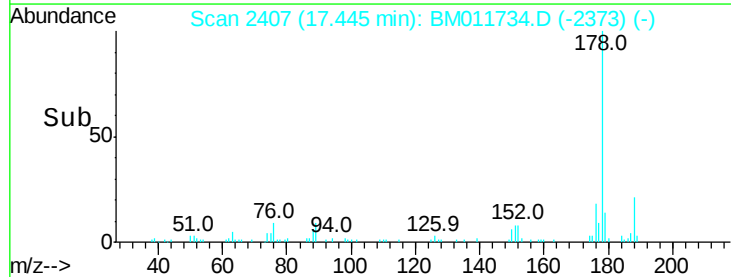
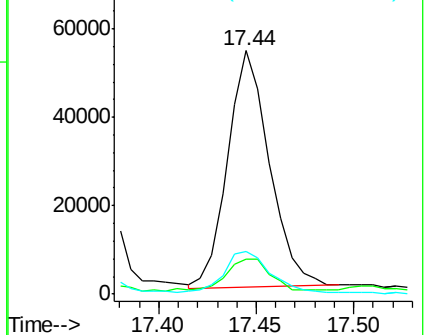
176 17.7 14.6 21.8

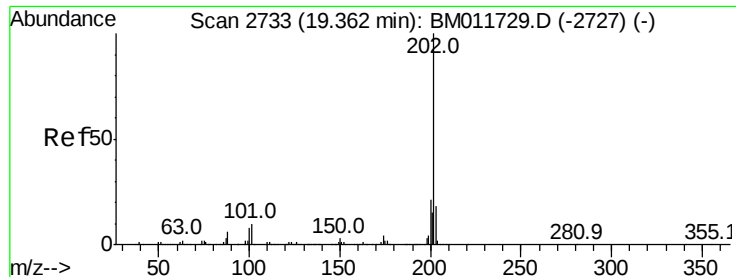


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#74

Fluoranthene

Concen: 14.819 ng/ul

RT: 19.36 min Scan# 2733

Delta R.T. -0.00 min

Lab File: BM011734.D

Acq: 27 Sep 2017 21:44

Instrument :

BNA_M

ClientSampleId :

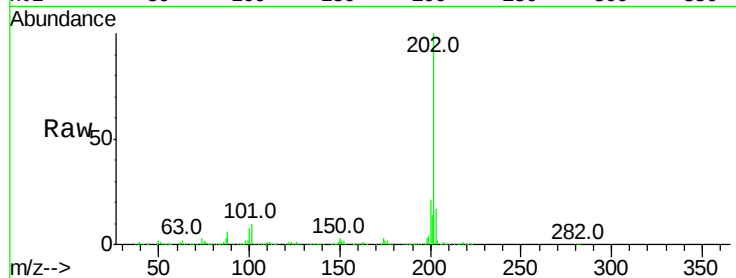
Tot Ion:202 Resp: 1018211

Ion Ratio Lower Upper

202 100

101 9.9 4.6 7.0#

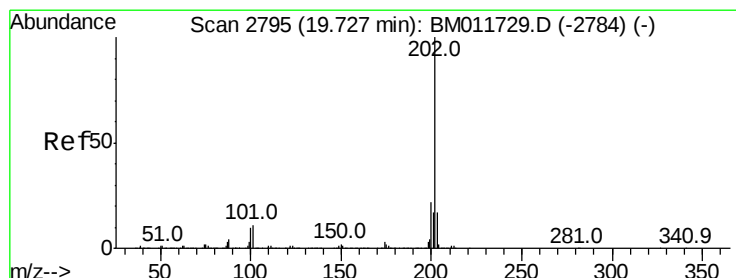
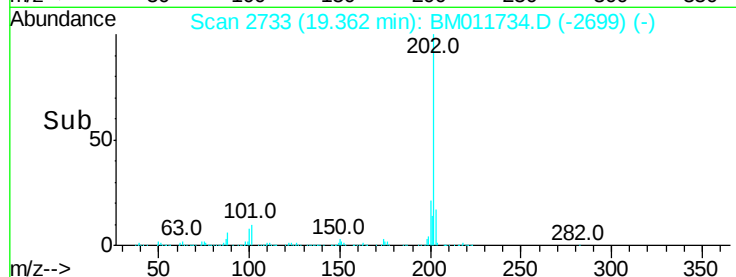
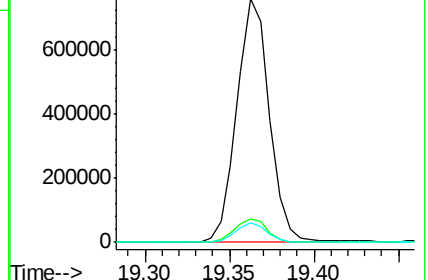
100 8.1 3.4 5.2#



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

Pyrene

Concen: 12.519 ng/ul

RT: 19.73 min Scan# 2795

Delta R.T. -0.00 min

Lab File: BM011734.D

Acq: 27 Sep 2017 21:44

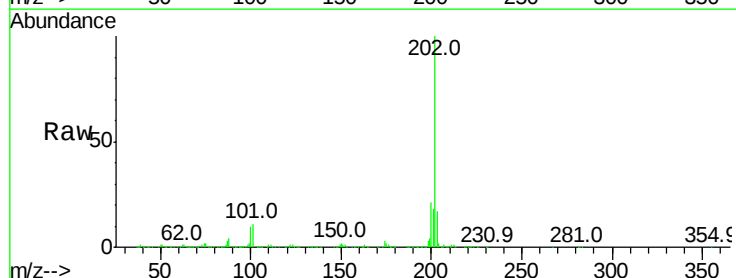
Tgt Ion:202 Resp: 973009

Ion Ratio Lower Upper

202 100

101 11.4 5.1 7.7#

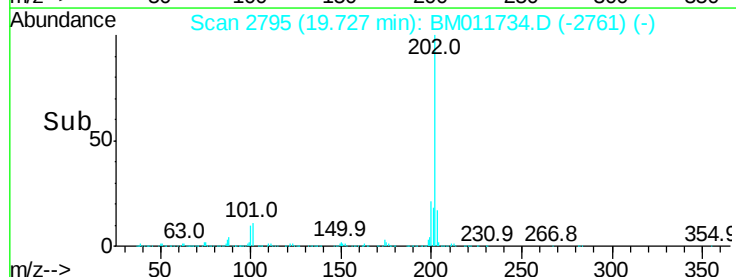
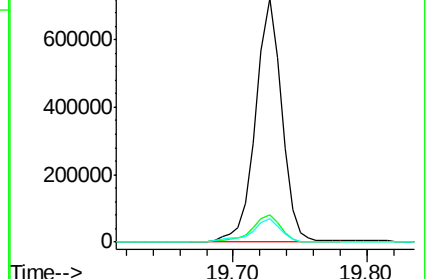
100 9.6 4.9 7.3#

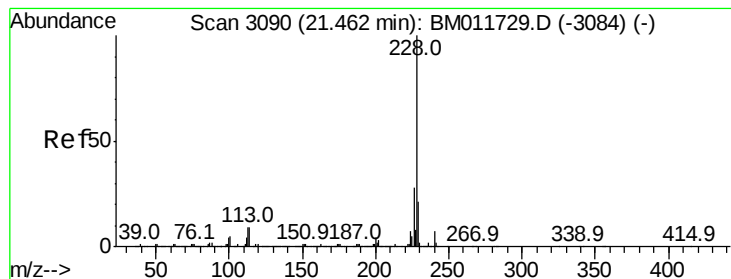


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#80

Benzo(a)anthracene

Concen: 7.649 ng/ul

RT: 21.46 min Scan# 3090

Delta R.T. -0.00 min

Lab File: BM011734.D

Acq: 27 Sep 2017 21:44

Instrument :

BNA_M

ClientSampled :

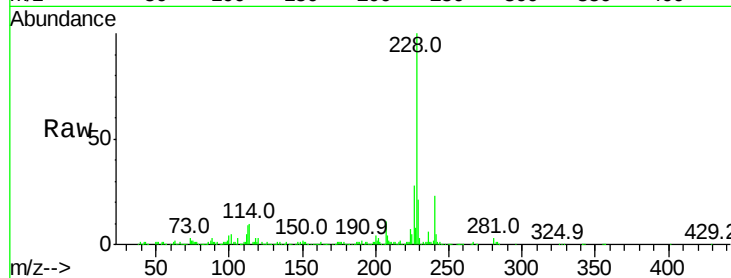
Tot Ion:228 Resp: 558093

Ion	Ratio	Lower	Upper
228	100		
229	20.6	15.4	23.0
226	27.9	21.4	32.0

228 100

229 20.6 15.4 23.0

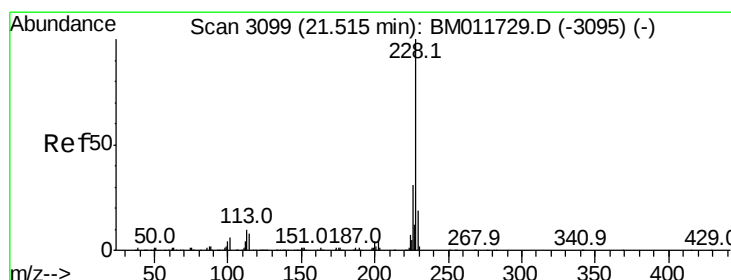
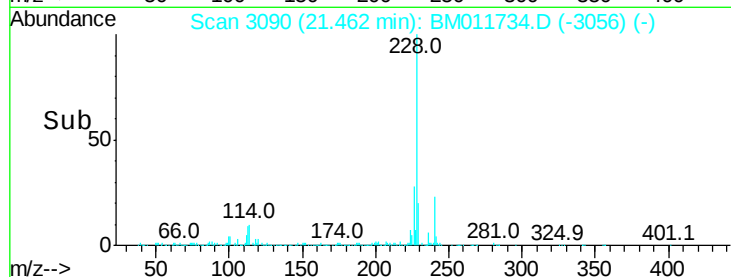
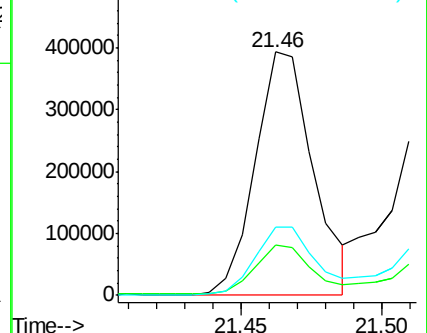
226 27.9 21.4 32.0



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: 8.071 ng/ul

RT: 21.52 min Scan# 3099

Delta R.T. -0.00 min

Lab File: BM011734.D

Acq: 27 Sep 2017 21:44

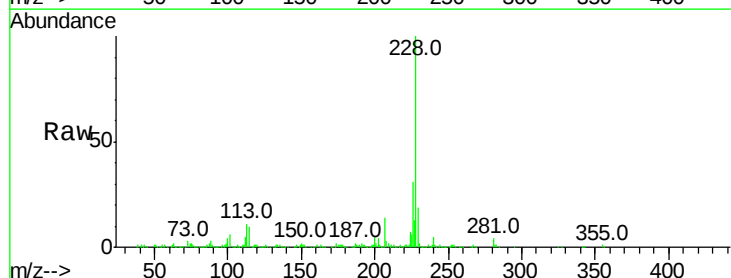
Tgt Ion:228 Resp: 555403

Ion	Ratio	Lower	Upper
228	100		
226	30.8	23.4	35.2
229	19.5	15.5	23.3

228 100

226 30.8 23.4 35.2

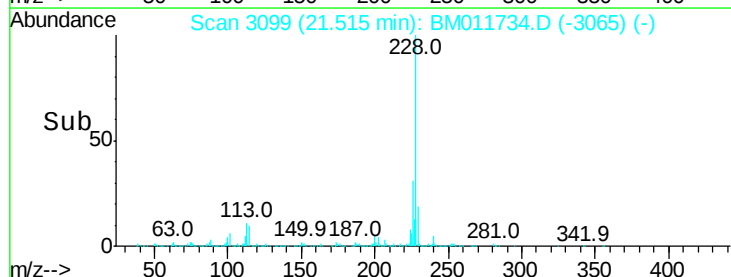
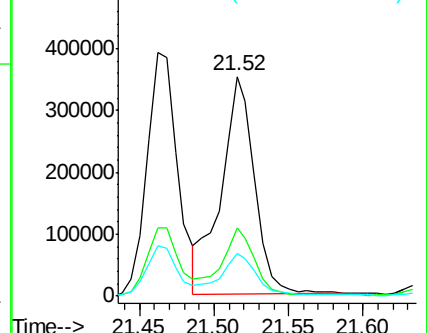
229 19.5 15.5 23.3

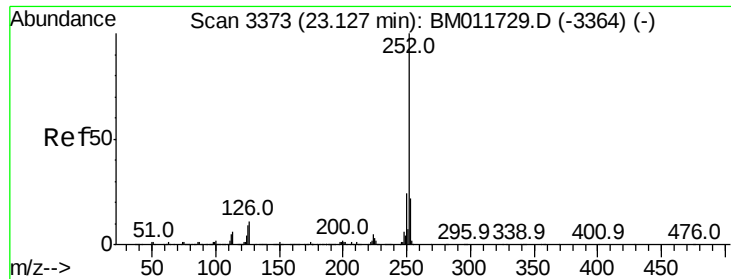


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

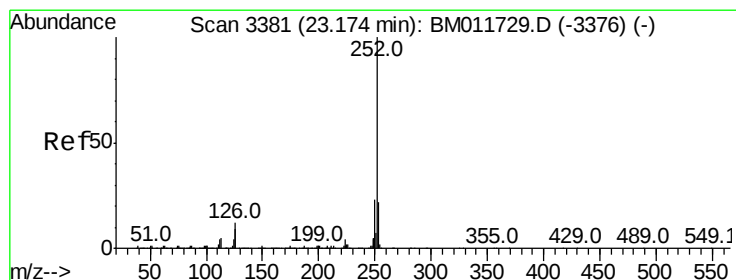
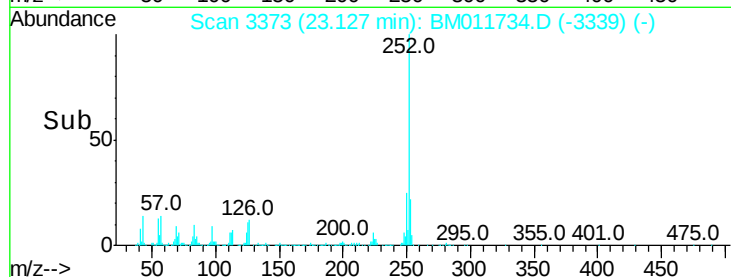
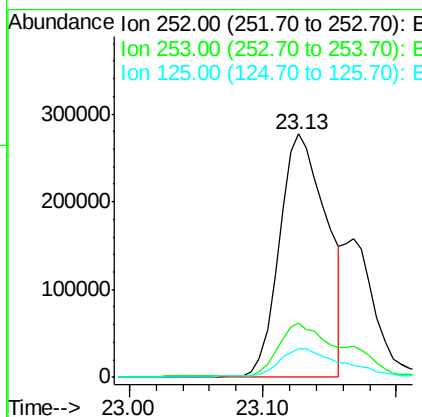
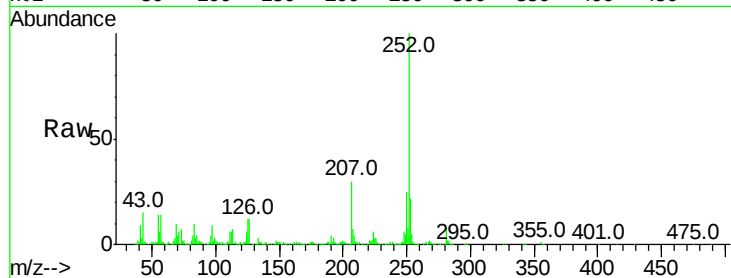




#85
Benzo(b)fluoranthene
Concen: 9.105 ng/ul
RT: 23.13 min Scan# 3373
Delta R.T. -0.00 min
Lab File: BM011734.D
Acq: 27 Sep 2017 21:44

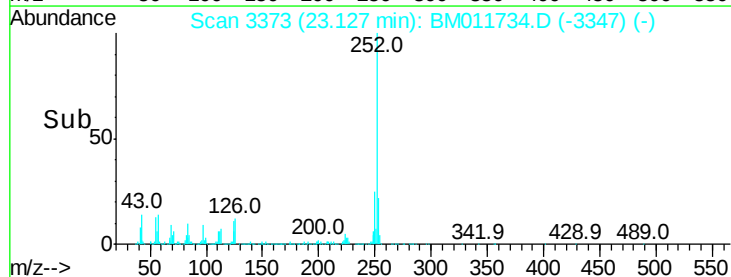
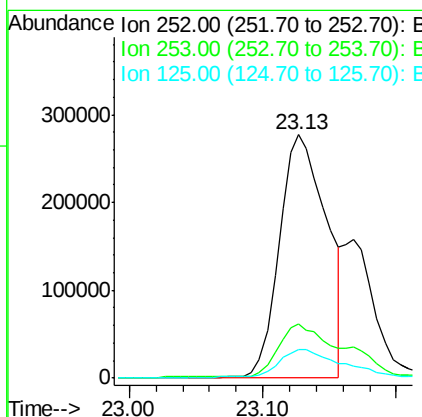
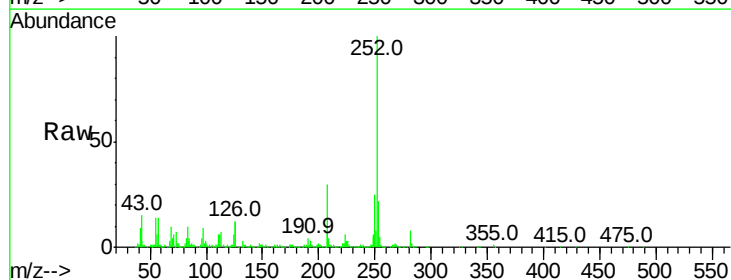
Instrument :
BNA_M
ClientSampleId :

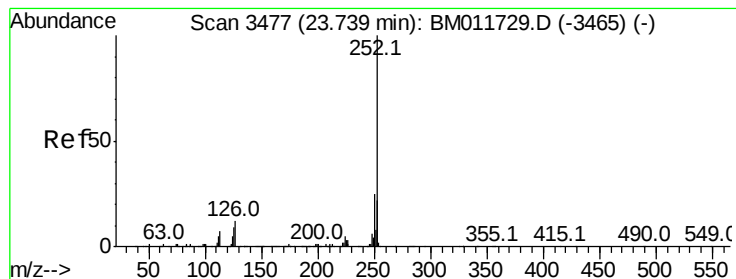
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	11.6	3.6	5.4



#86
Benzo(k)fluoranthene
Concen: 8.926 ng/ul
RT: 23.13 min Scan# 3373
Delta R.T. -0.05 min
Lab File: BM011734.D
Acq: 27 Sep 2017 21:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.1	25.7
125	11.6	3.4	5.2





#88

Benzo(a)pyrene

Concen: 5.926 ng/ul

RT: 23.74 min Scan# 3477

Delta R.T. -0.00 min

Lab File: BM011734.D

Acq: 27 Sep 2017 21:44

Instrument :

BNA_M

ClientSampled :

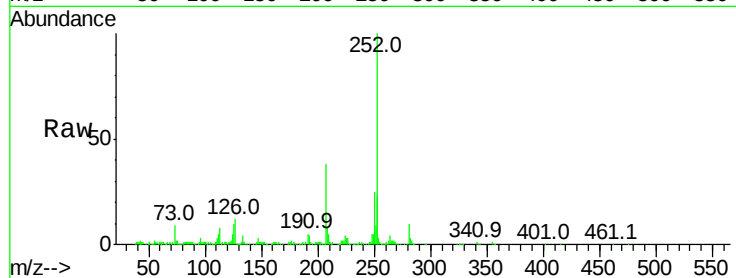
Tot Ion:252 Resp: 426615

Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.2	27.2
125	10.0	4.0	6.0

252 100

253 22.6 18.2 27.2

125 10.0 4.0 6.0

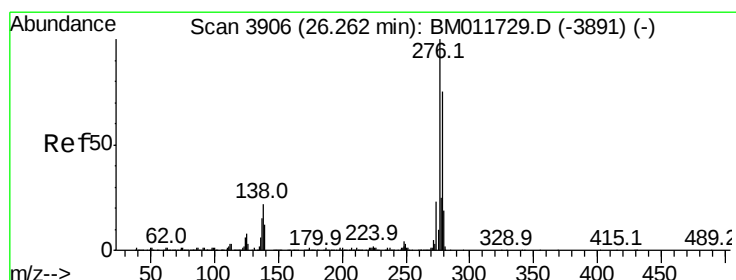
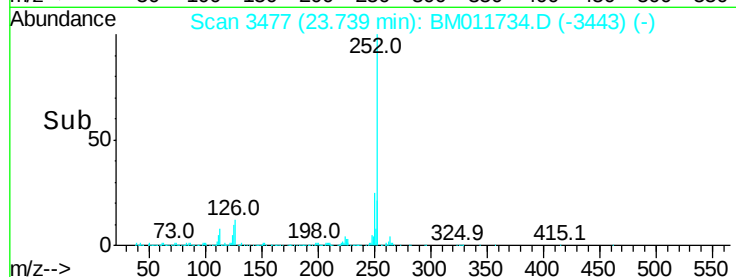
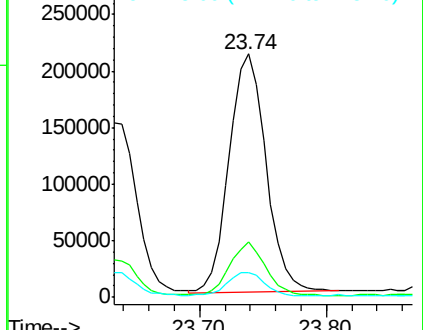


Abundance

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: 3.328 ng/ul

RT: 26.26 min Scan# 3905

Delta R.T. -0.01 min

Lab File: BM011734.D

Acq: 27 Sep 2017 21:44

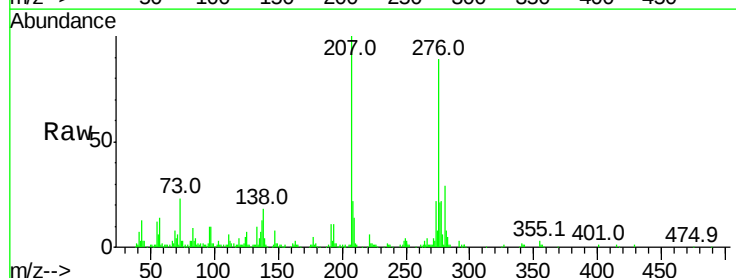
Tgt Ion:276 Resp: 249428

Ion	Ratio	Lower	Upper
276	100		
138	20.1	9.3	13.9
277	23.5	19.9	29.9

276 100

138 20.1 9.3 13.9

277 23.5 19.9 29.9

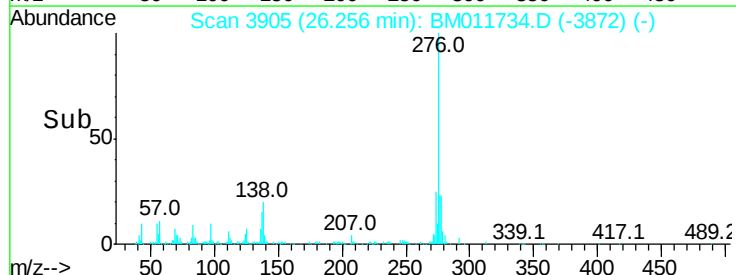
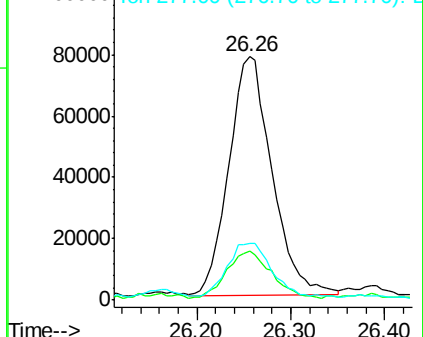


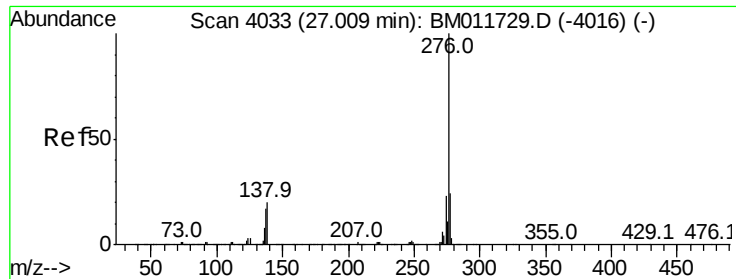
Abundance

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: 3.321 ng/ul

RT: 27.00 min Scan# 4031

Delta R.T. -0.01 min

Lab File: BM011734.D

Acq: 27 Sep 2017 21:44

Instrument :

BNA_M

ClientSampleId :

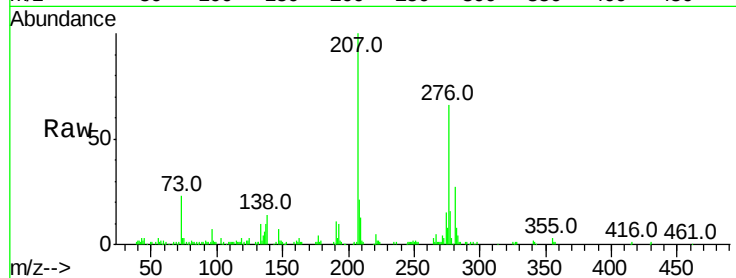
Tot Ion:276 Resp: 206615

Ion Ratio Lower Upper

276 100

138 21.7 8.5 12.7#

277 24.6 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

