

Data Path : Z:\HPCHEM1\BNA_M\Data\BM063016\
 Data File : BM006158.D
 Acq On : 30 Jun 2016 13:46
 Operator : UM/SJ
 Sample : H3780-02
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YF3

Quant Time: Jun 30 16:23:22 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM062816.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 29 00:57:09 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	302793	20.00	ng/ul	0.00
7) Naphthalene-d8	10.43	136	1317042	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.30	164	710753	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.05	188	1300149	20.00	ng/ul	0.00
29) Chrysene-d12	21.25	240	1014365	20.00	ng/ul	0.00
34) Perylene-d12	23.47	264	1116232	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	10043	1.54	ng/uL	0.00
3) Phenol-d5	6.83	99	526811	21.30	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.99	67	317609	21.78	ng/ul	0.00
5) 2-Chlorophenol-d4	7.19	132	404622	21.31	ng/ul	0.00
6) 4-Methylphenol-d8	8.36	113	414155	20.80	ng/ul	0.00
8) Nitrobenzene-d5	8.80	128	202827	22.86	ng/ul	0.00
9) 2-Nitrophenol-d4	9.52	143	225898	22.25	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.06	165	412083	22.24	ng/ul	0.00
12) 4-Chloroaniline-d4	10.57	131	371279	25.36	ng/ul	0.00
16) Dimethylphthalate-d6	13.72	166	1185904	23.28	ng/ul	0.00
17) Acenaphthylene-d8	13.99	160	1480976	23.95	ng/ul	0.00
20) 4-Nitrophenol-d4	14.52	143	172822	17.88	ng/ul	0.00
21) Fluorene-d10	15.30	176	983264	22.62	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.43	200	113664	24.68	ng/ul	0.00
26) Anthracene-d10	17.15	188	1288609	24.71	ng/ul	0.00
30) Pyrene-d10	19.45	212	1128956	27.64	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.33	264	1121045	25.24	ng/ul	0.00

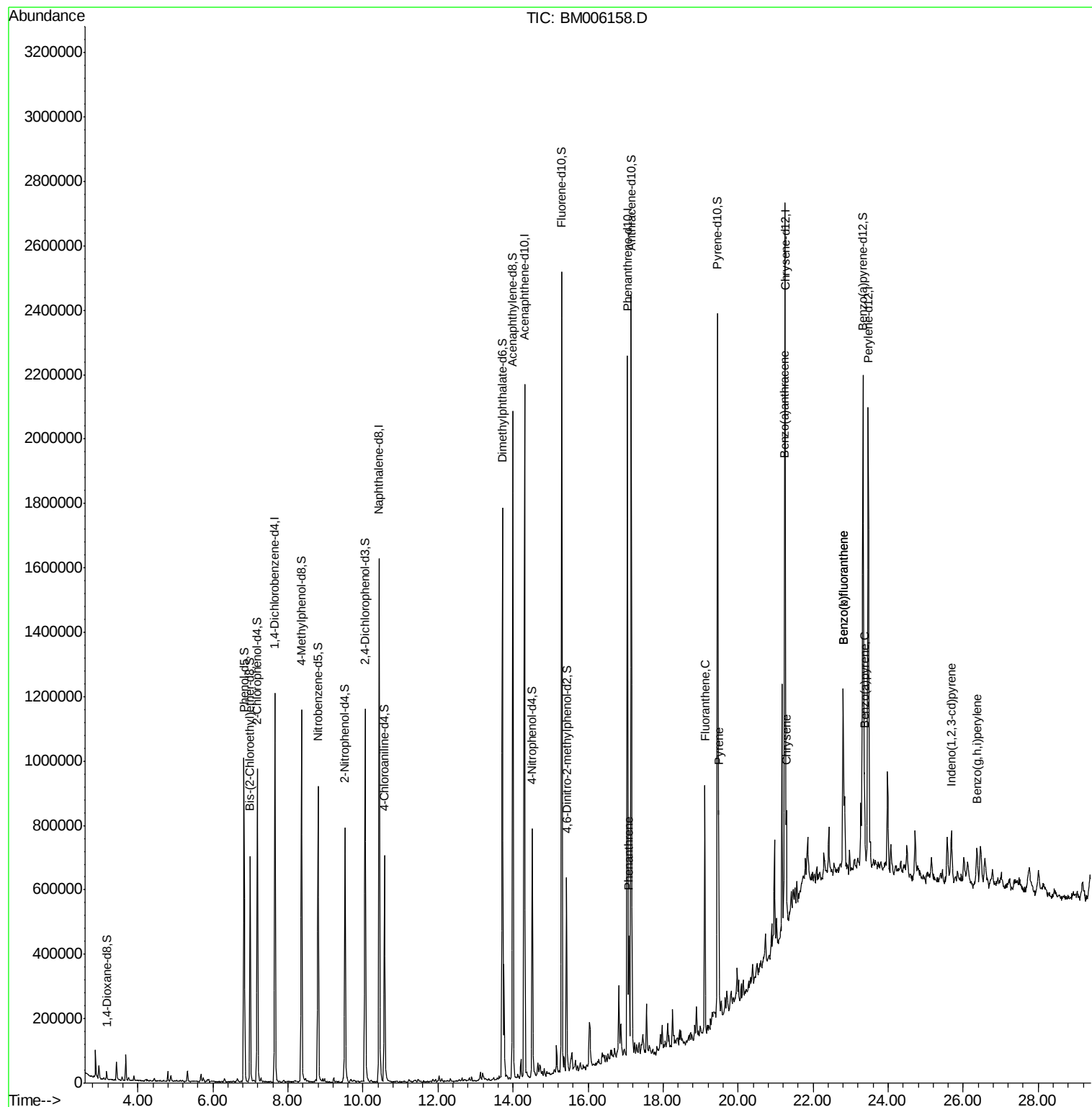
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Phenanthrene	17.09	178	212665	3.46	ng/ul	99
28) Fluoranthene	19.12	202	440570	5.85	ng/ul	99
31) Pyrene	19.48	202	329819	6.16	ng/ul	98
32) Benzo(a)anthracene	21.23	228	196129	3.72	ng/ul	99
33) Chrysene	21.29	228	195999	4.04	ng/ul	97
35) Benzo(b)fluoranthene	22.80	252	298087	5.15	ng/ul	97
36) Benzo(k)fluoranthene	22.80	252	298087	5.49	ng/ul	98
38) Benzo(a)pyrene	23.37	252	192144	3.51	ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.69	276	152737	2.68	ng/ul#	93
41) Benzo(g,h,i)perylene	26.37	276	142263	2.99	ng/ul	94

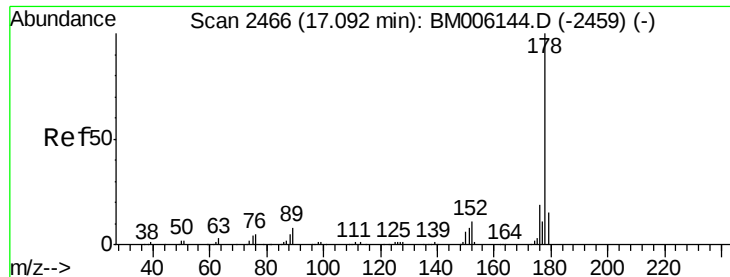
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.46 ng/ul

RT: 17.09 min Scan# 2466

Delta R.T. 0.00 min

Lab File: BM006158.D

Acq: 30 Jun 2016 13:46

Instrument :

BNA_M

ClientSampleId :

D9YF3

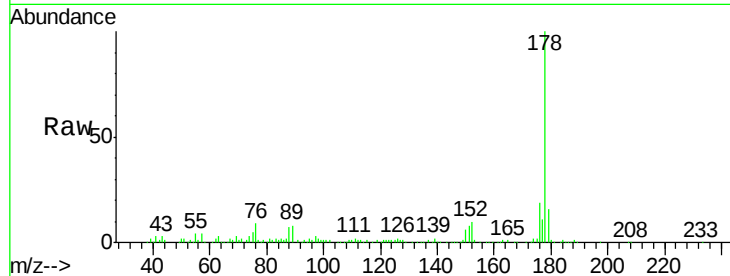
Tgt Ion:178 Resp: 212665

Ion Ratio Lower Upper

178 100

179 15.9 12.2 18.2

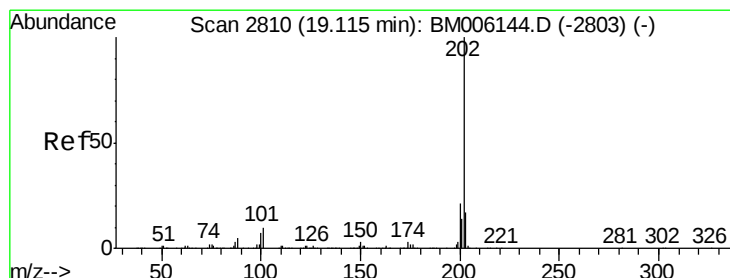
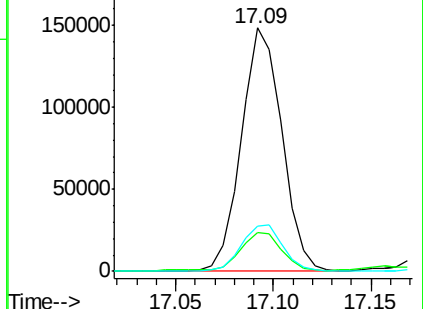
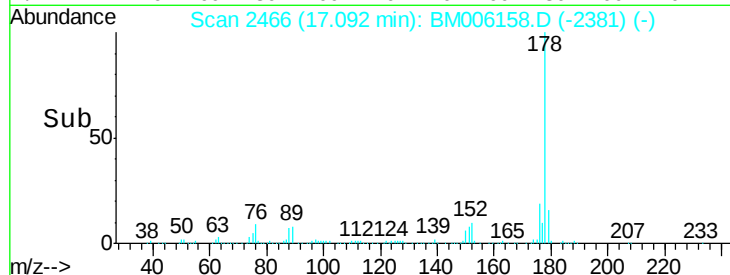
176 18.6 15.3 22.9



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



#28

Fluoranthene

Concen: 5.85 ng/ul

RT: 19.12 min Scan# 2810

Delta R.T. 0.00 min

Lab File: BM006158.D

Acq: 30 Jun 2016 13:46

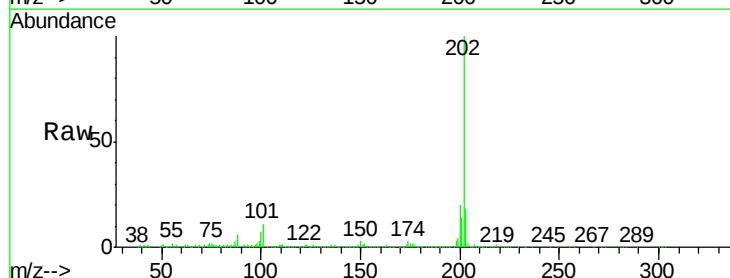
Tgt Ion:202 Resp: 440570

Ion Ratio Lower Upper

202 100

101 10.9 8.5 12.7

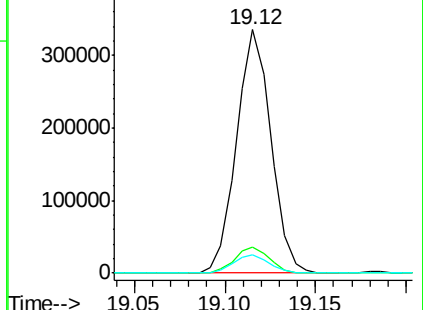
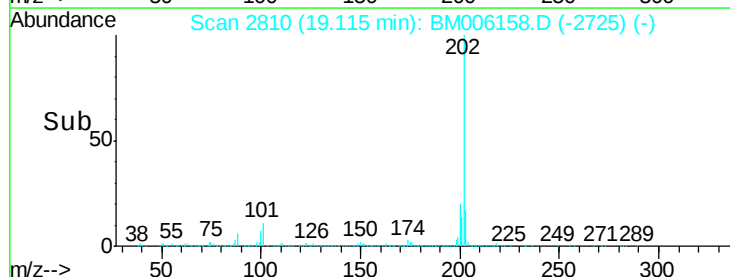
100 7.3 6.5 9.7

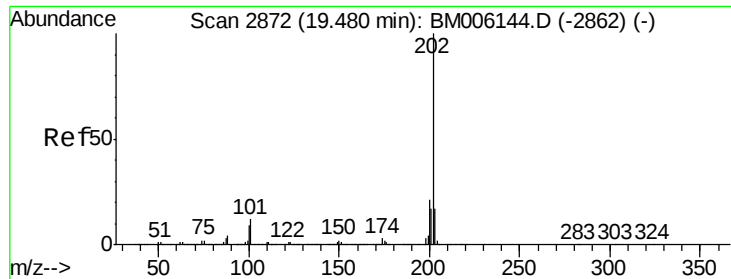


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): E

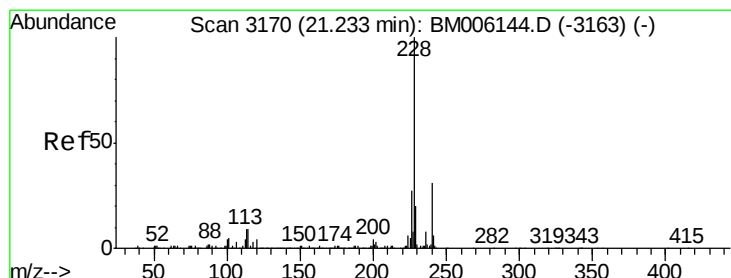
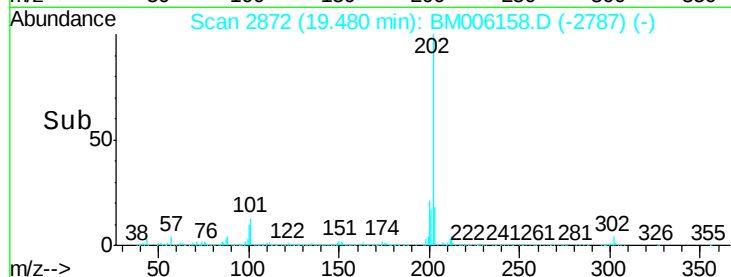
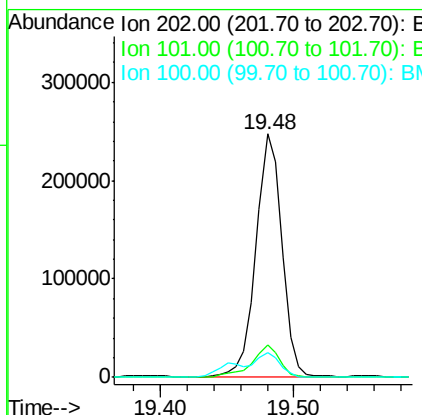
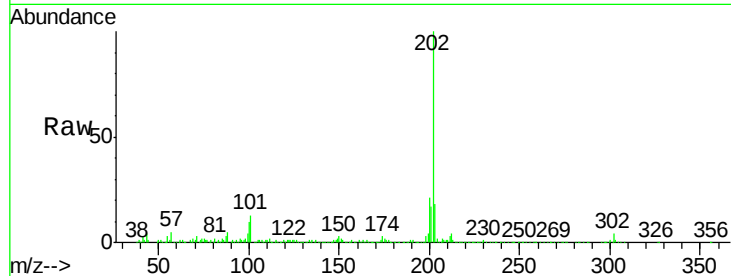




#31
 Pyrene
 Concen: 6.16 ng/ul
 RT: 19.48 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: BM006158.D
 Acq: 30 Jun 2016 13:46

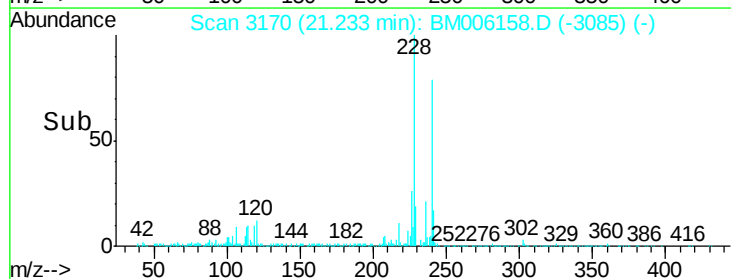
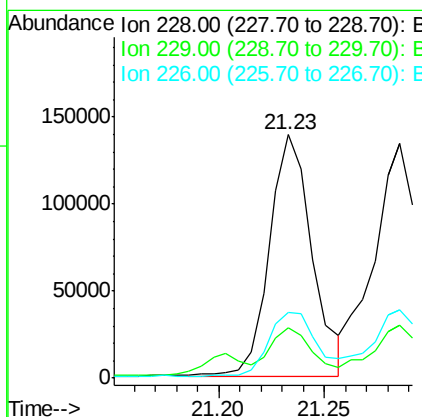
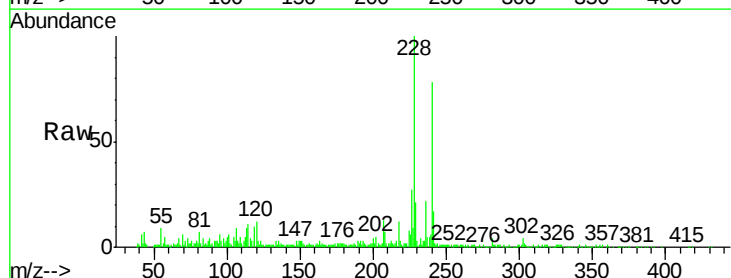
Instrument :
 BNA_M
 ClientSampleId :
 D9YF3

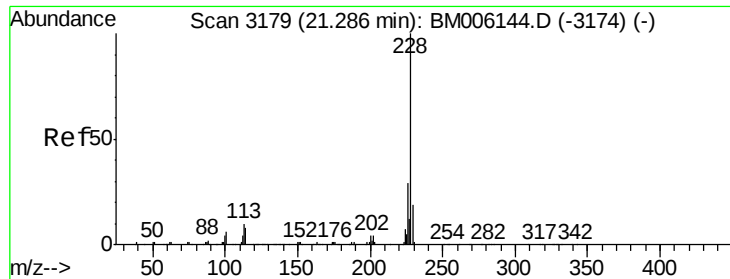
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	11.0	16.4
100	10.3	8.9	13.3



#32
 Benzo(a)anthracene
 Concen: 3.72 ng/ul
 RT: 21.23 min Scan# 3170
 Delta R.T. 0.00 min
 Lab File: BM006158.D
 Acq: 30 Jun 2016 13:46

Tgt Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.6	23.4
226	27.2	21.6	32.4





#33

Chrysene

Concen: 4.04 ng/ul

RT: 21.29 min Scan# 3179

Delta R.T. 0.00 min

Lab File: BM006158.D

Acq: 30 Jun 2016 13:46

Instrument :

BNA_M

ClientSampleId :

D9YF3

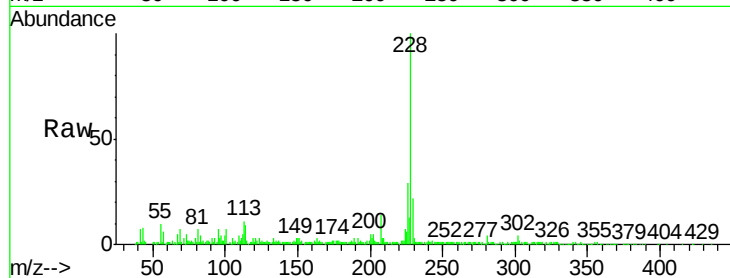
Tgt Ion:228 Resp: 195999

Ion Ratio Lower Upper

228 100

226 29.2 23.8 35.6

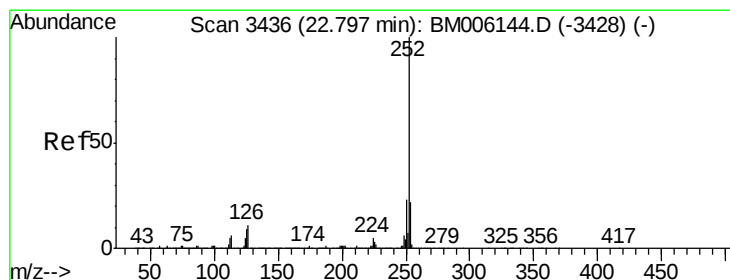
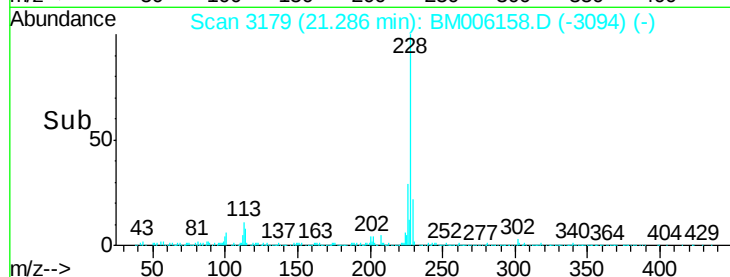
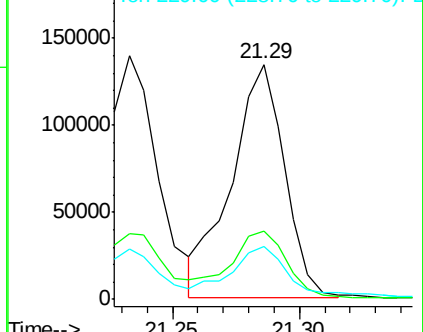
229 22.4 15.8 23.6



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



#35

Benzo(b)fluoranthene

Concen: 5.15 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. 0.01 min

Lab File: BM006158.D

Acq: 30 Jun 2016 13:46

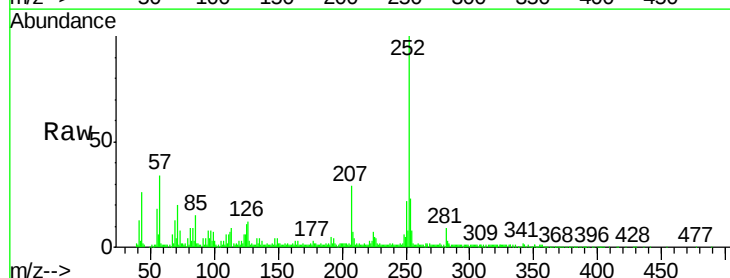
Tgt Ion:252 Resp: 298087

Ion Ratio Lower Upper

252 100

253 23.3 17.2 25.8

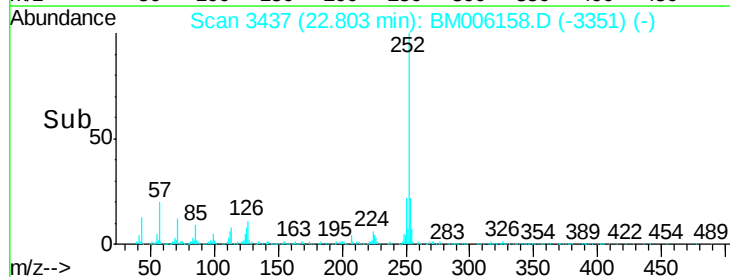
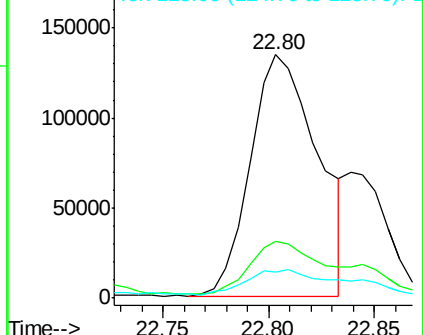
125 10.5 7.8 11.6

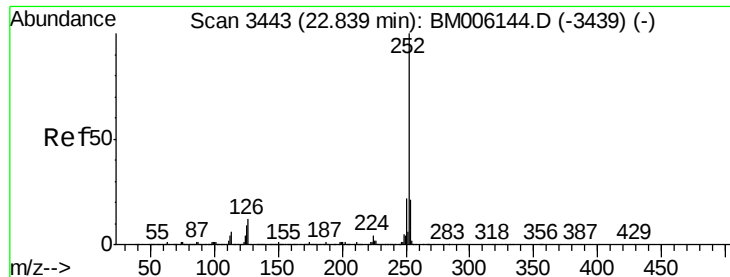


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 5.49 ng/ul

RT: 22.80 min Scan# 3437

Delta R.T. -0.04 min

Lab File: BM006158.D

Acq: 30 Jun 2016 13:46

Instrument :

BNA_M

ClientSampleId :

D9YF3

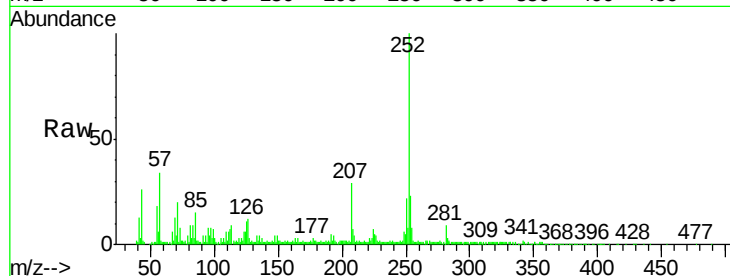
Tgt Ion:252 Resp: 298087

Ion Ratio Lower Upper

252 100

253 23.3 17.6 26.4

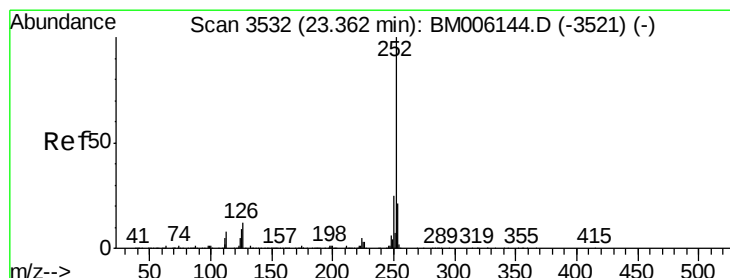
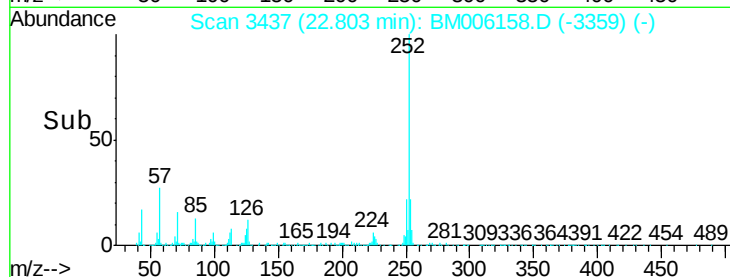
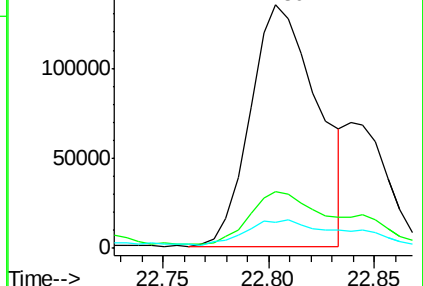
125 10.5 8.1 12.1



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



#38

Benzo(a)pyrene

Concen: 3.51 ng/ul

RT: 23.37 min Scan# 3534

Delta R.T. 0.01 min

Lab File: BM006158.D

Acq: 30 Jun 2016 13:46

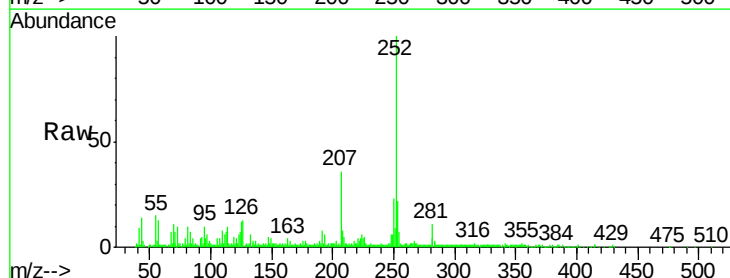
Tgt Ion:252 Resp: 192144

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

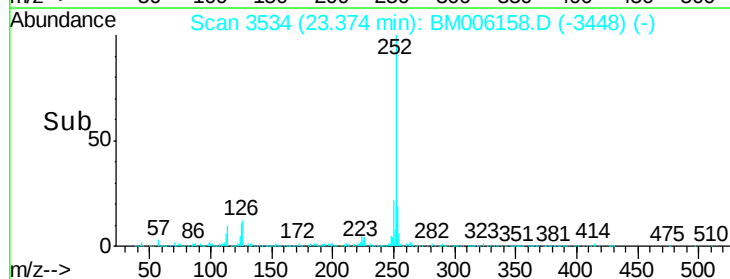
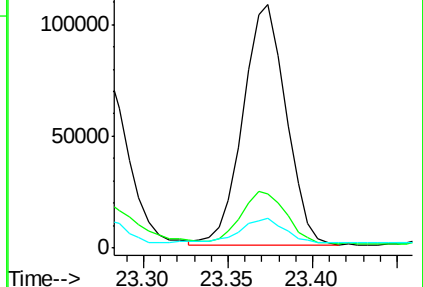
125 12.4 8.7 13.1

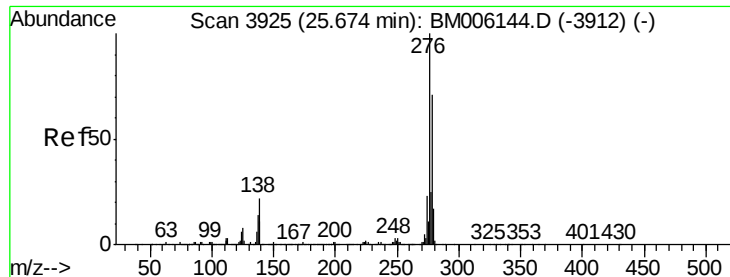


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#39

Indeno(1,2,3-cd)pyrene

Concen: 2.68 ng/ul

RT: 25.69 min Scan# 3928

Delta R.T. 0.01 min

Lab File: BM006158.D

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ClientSampleId :

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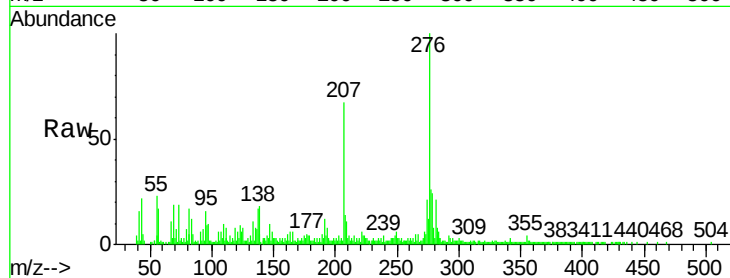
Tgt Ion:276 Resp: 152737

Ion Ratio Lower Upper

276 100

138 18.4 20.4 30.6#

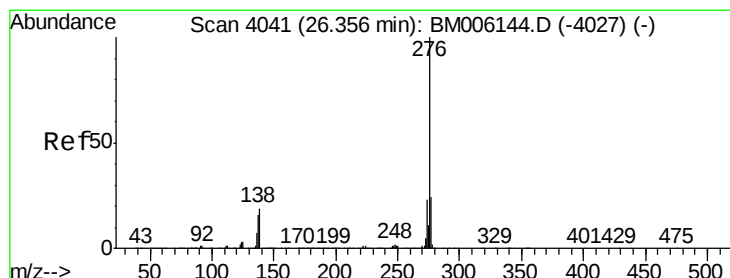
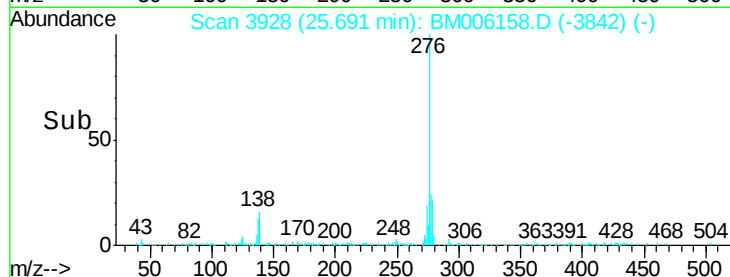
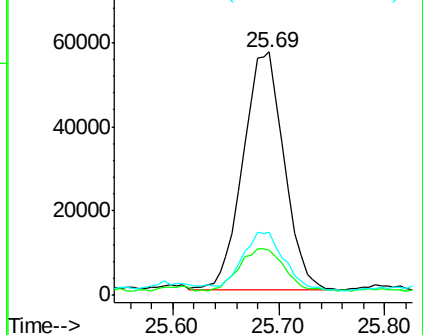
277 26.1 20.6 30.8



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



#41

Benzo(g,h,i)perylene

Concen: 2.99 ng/ul

RT: 26.37 min Scan# 4043

Delta R.T. 0.01 min

Lab File: BM006158.D

Acq: 30 Jun 2016 13:46

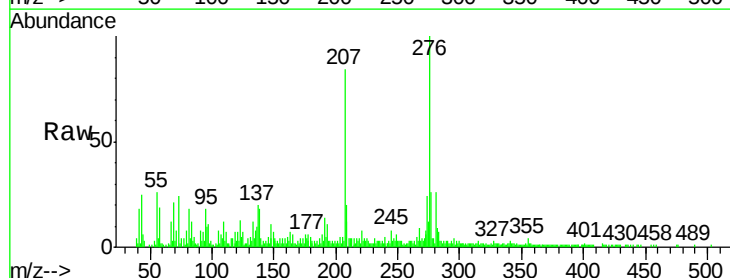
Tgt Ion:276 Resp: 142263

Ion Ratio Lower Upper

276 100

138 17.9 16.6 25.0

277 26.0 18.9 28.3



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

