

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080616\
 Data File : BM006950.D
 Acq On : 06 Aug 2016 22:33
 Operator : UM/SJ
 Sample : H4301-17
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0F8

Quant Time: Aug 08 03:53:22 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 08 03:51:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	172281	20.00	ng/ul	0.00
7) Naphthalene-d8	10.33	136	817304	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.20	164	547008	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.96	188	1335727	20.00	ng/ul	0.00
29) Chrysene-d12	21.17	240	1489297	20.00	ng/ul	0.00
34) Perylene-d12	23.36	264	1146692	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.09	96	8970	2.38	ng/uL	0.00
3) Phenol-d5	6.77	99	385760	23.62	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	290217	28.33	ng/ul	0.00
5) 2-Chlorophenol-d4	7.10	132	318371	27.30	ng/ul	0.00
6) 4-Methylphenol-d8	8.29	113	275099	20.18	ng/ul	0.00
8) Nitrobenzene-d5	8.72	128	179468	29.56	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	207427	28.53	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.98	165	360516	26.16	ng/ul	0.00
12) 4-Chloroaniline-d4	10.49	131	463459	28.17	ng/ul	0.00
16) Dimethylphthalate-d6	13.63	166	1529739	31.78	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	1755981	31.54	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	140666	20.15	ng/ul	0.01
21) Fluorene-d10	15.21	176	1298528	31.74	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.37	200	144377	26.18	ng/ul	0.00
26) Anthracene-d10	17.06	188	2048765	31.75	ng/ul	0.00
30) Pyrene-d10	19.37	212	2497096	35.17	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.22	264	1851229	33.90	ng/ul	0.00

Target Compounds

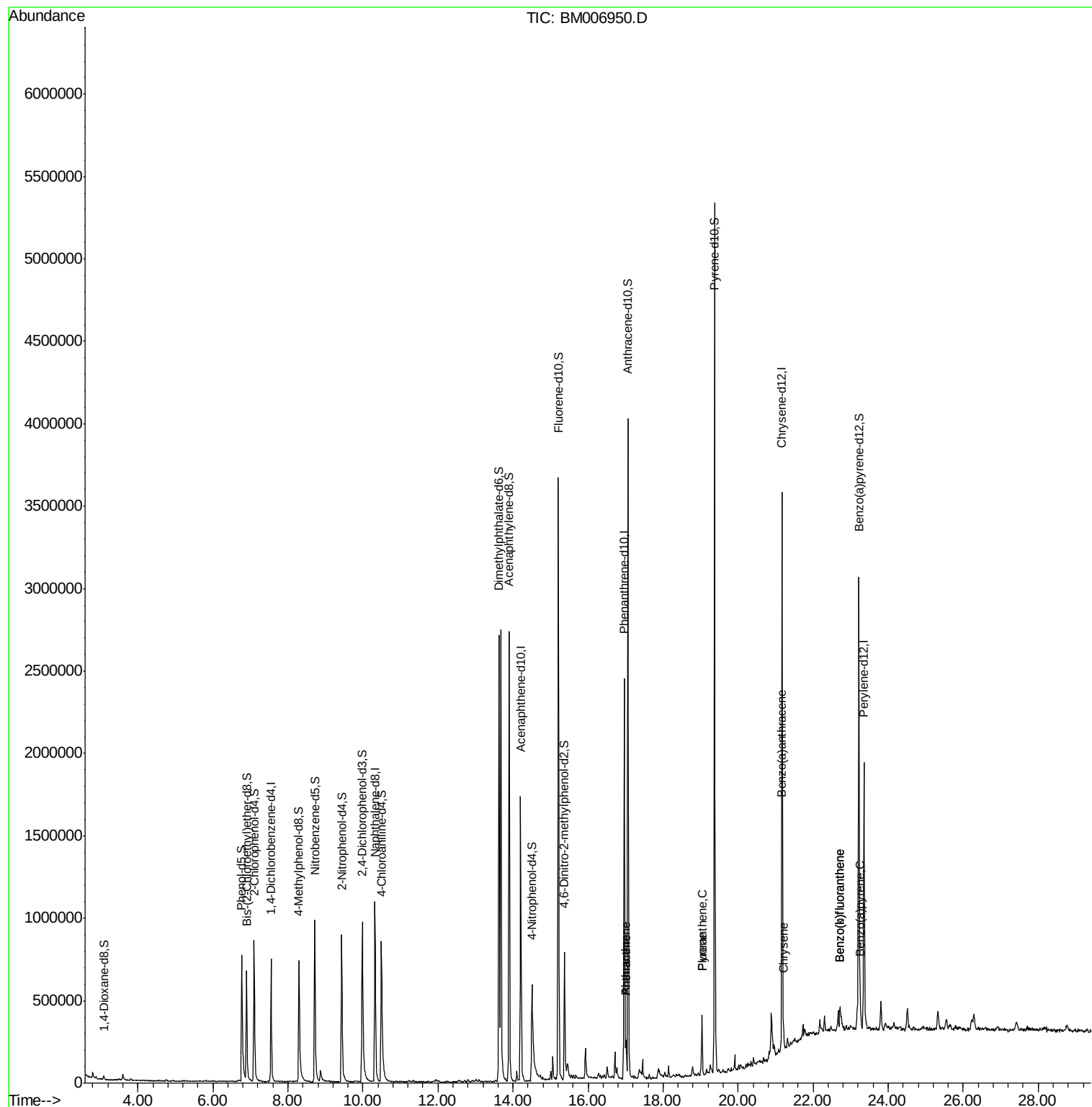
						Qvalue
25) Phenanthrene	17.01	178	122490	1.64	ng/ul	98
27) Anthracene	17.01	178	122490	1.57	ng/ul	97
28) Fluoranthene	19.04	202	206026	2.27	ng/ul	99
31) Pyrene	19.04	202	206026	2.23	ng/ul	97
32) Benzo(a)anthracene	21.16	228	112729	1.28	ng/ul	95
33) Chrysene	21.21	228	91970	1.18	ng/ul	95
35) Benzo(b)fluoranthene	22.71	252	125634	1.68	ng/ul#	96
36) Benzo(k)fluoranthene	22.71	252	125634	1.74	ng/ul#	95
38) Benzo(a)pyrene	23.26	252	81386	1.20	ng/ul	99

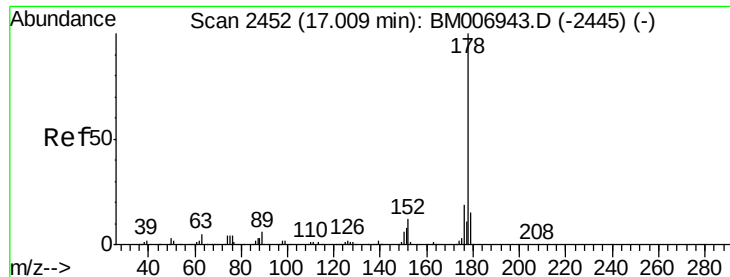
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.64 ng/ul

RT: 17.01 min Scan# 2452

Delta R.T. 0.00 min

Lab File: BM006950.D

Acq: 06 Aug 2016 22:33

Instrument :

BNA_M

ClientSampleId :

DA0F8

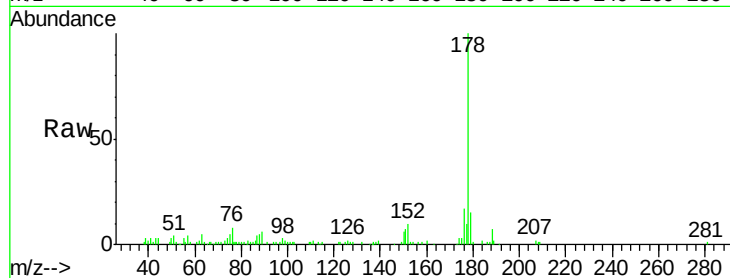
Tgt Ion:178 Resp: 122490

Ion Ratio Lower Upper

178 100

179 14.9 12.0 18.0

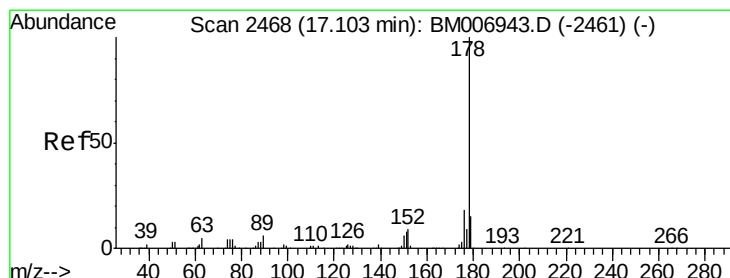
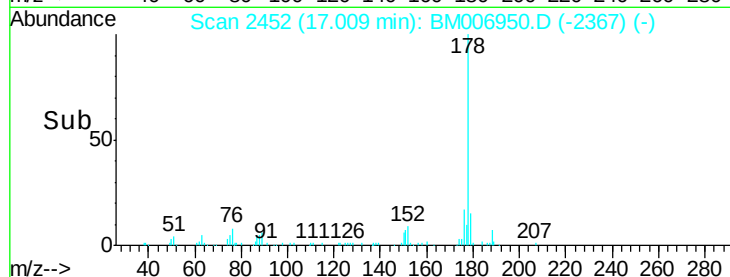
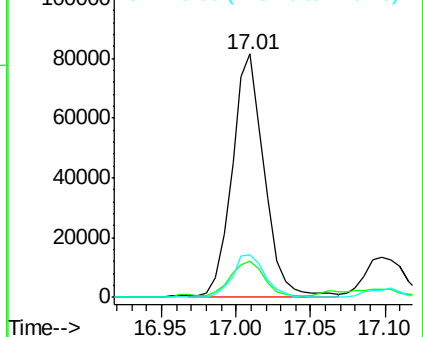
176 17.5 15.0 22.4



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



#27

Anthracene

Concen: 1.57 ng/ul

RT: 17.01 min Scan# 2452

Delta R.T. -0.09 min

Lab File: BM006950.D

Acq: 06 Aug 2016 22:33

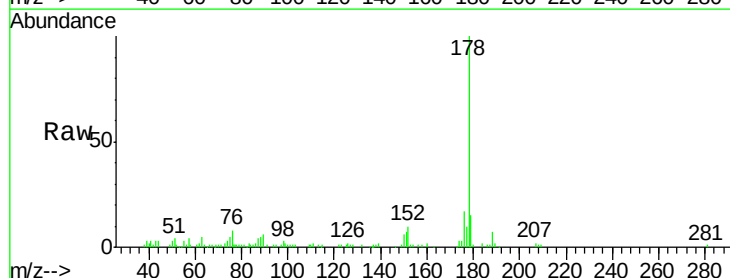
Tgt Ion:178 Resp: 122490

Ion Ratio Lower Upper

178 100

179 14.9 12.5 18.7

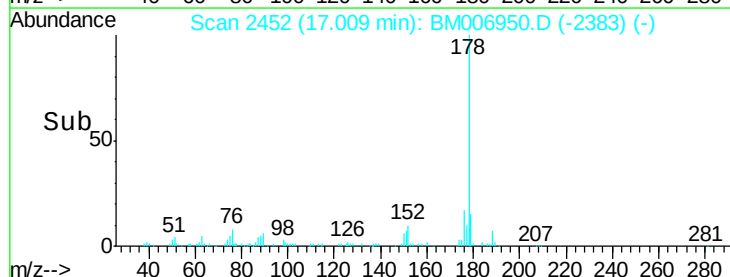
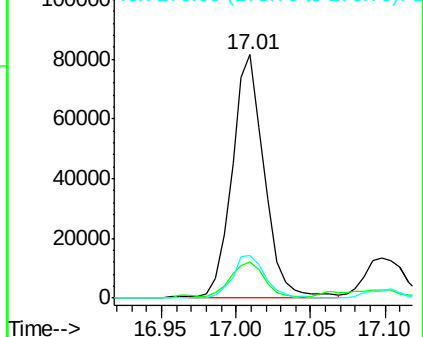
176 17.5 15.4 23.0

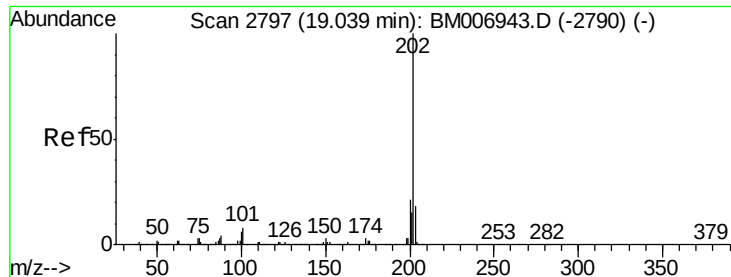


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#28

Fluoranthene

Concen: 2.27 ng/ul

RT: 19.04 min Scan# 2797

Delta R.T. 0.00 min

Lab File: BM006950.D

Acq: 06 Aug 2016 22:33

Instrument :

BNA_M

ClientSampleId :

DA0F8

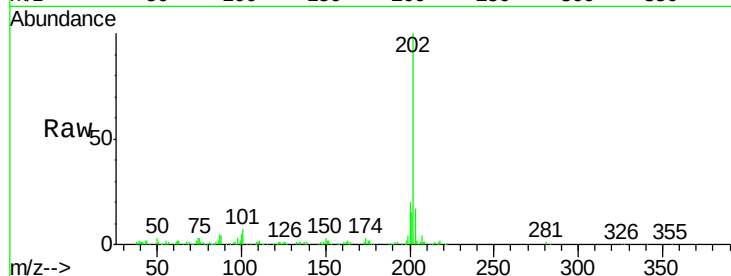
Tgt Ion:202 Resp: 206026

Ion Ratio Lower Upper

202 100

101 7.4 5.6 8.4

100 5.5 4.2 6.4



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

19.04

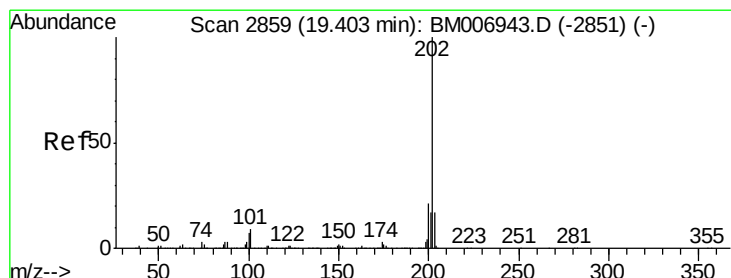
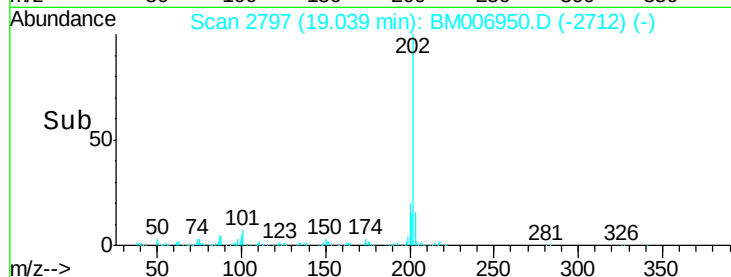
150000

100000

50000

0

Time-->



#31

Pyrene

Concen: 2.23 ng/ul

RT: 19.04 min Scan# 2797

Delta R.T. -0.36 min

Lab File: BM006950.D

Acq: 06 Aug 2016 22:33

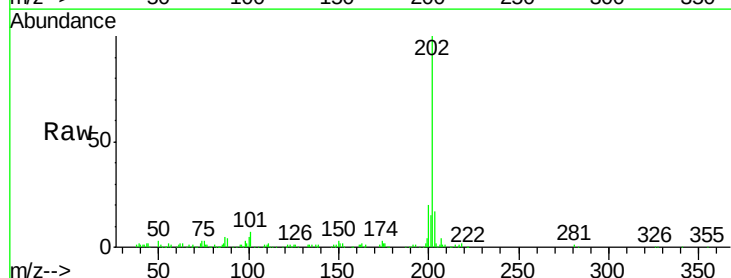
Tgt Ion:202 Resp: 206026

Ion Ratio Lower Upper

202 100

101 7.4 6.4 9.6

100 5.5 5.4 8.2



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

19.04

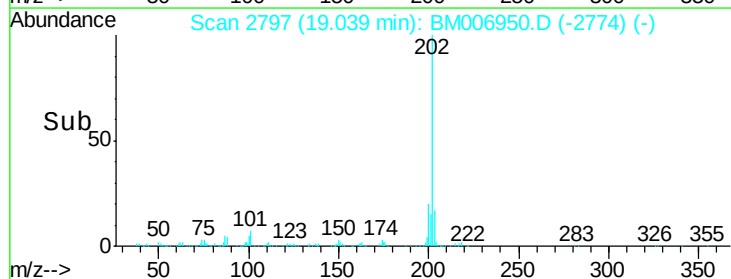
150000

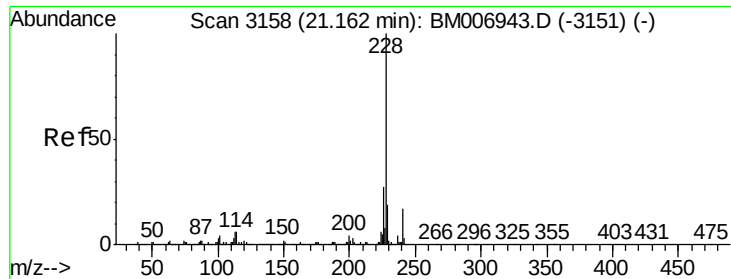
100000

50000

0

Time-->





#32

Benzo(a)anthracene

Concen: 1.28 ng/ul

RT: 21.16 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BM006950.D

Acq: 06 Aug 2016 22:33

Instrument :

BNA_M

ClientSampleId :

DA0F8

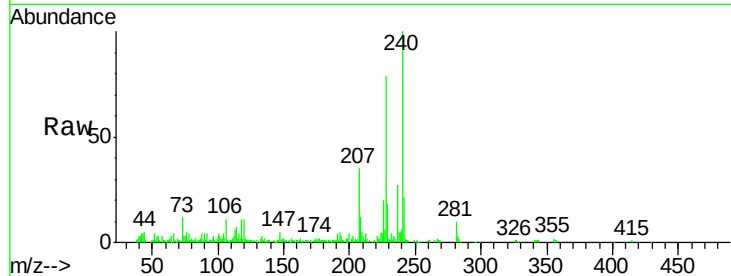
Tgt Ion:228 Resp: 112729

Ion Ratio Lower Upper

228 100

229 22.5 15.2 22.8

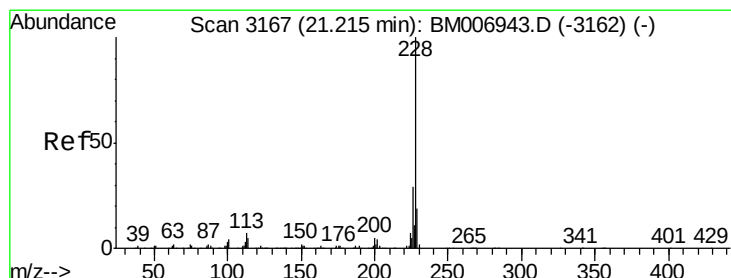
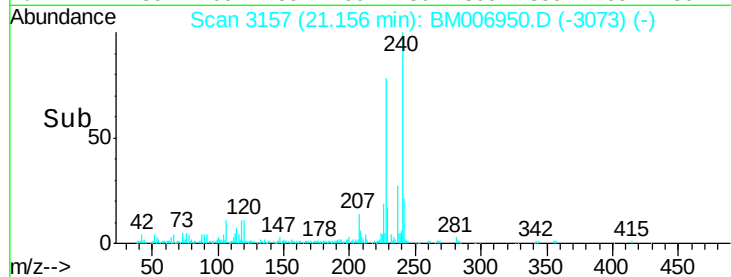
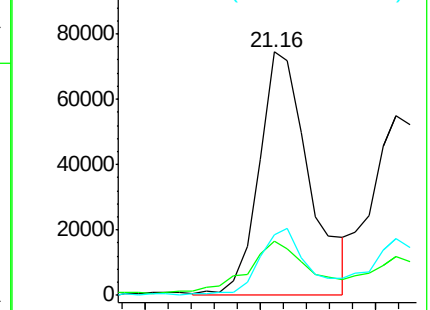
226 24.9 21.3 31.9



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



#33

Chrysene

Concen: 1.18 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BM006950.D

Acq: 06 Aug 2016 22:33

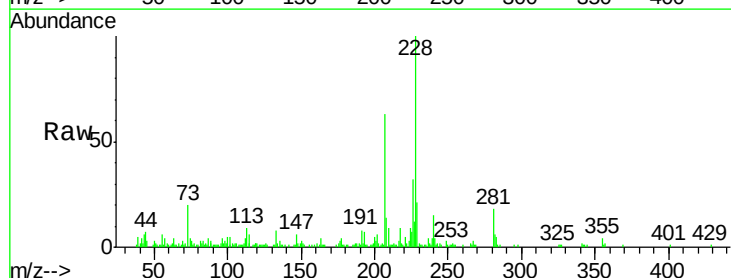
Tgt Ion:228 Resp: 91970

Ion Ratio Lower Upper

228 100

226 31.9 23.8 35.6

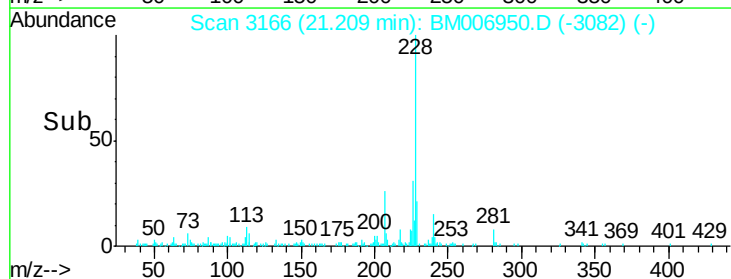
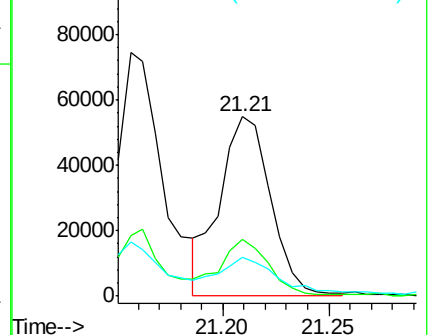
229 21.4 15.1 22.7

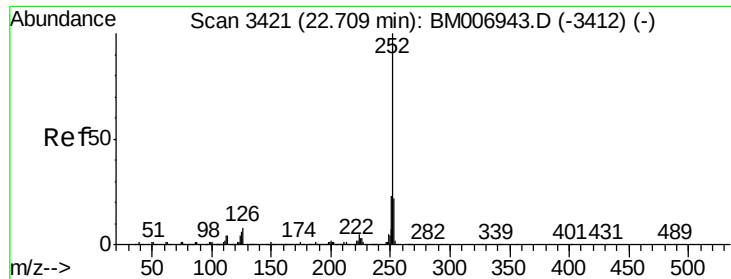


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#35

Benzo(b)fluoranthene

Concen: 1.68 ng/ul

RT: 22.71 min Scan# 3421

Delta R.T. 0.00 min

Lab File: BM006950.D

Acq: 06 Aug 2016 22:33

Instrument :

BNA_M

ClientSampleId :

DA0F8

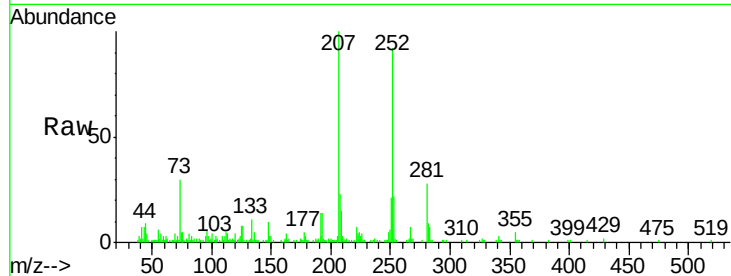
Tgt Ion:252 Resp: 125634

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

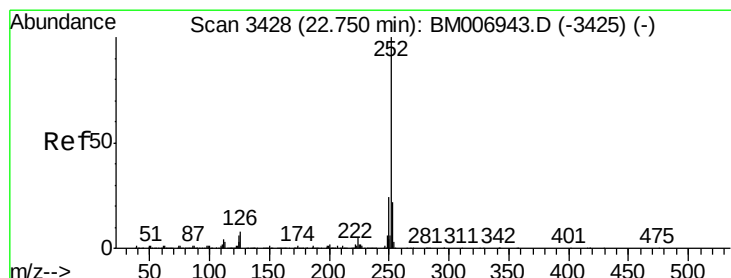
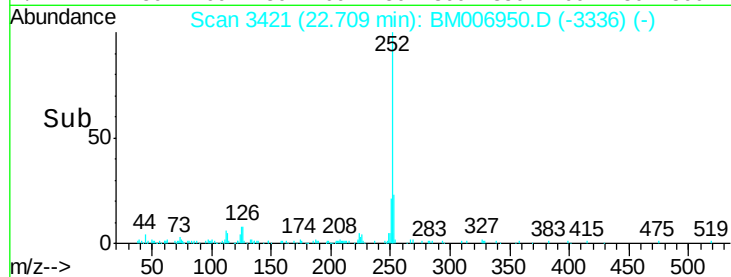
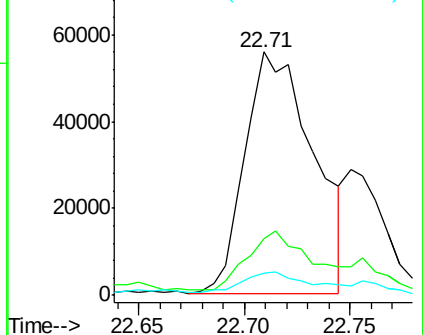
125 9.0 5.1 7.7#



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: 1.74 ng/ul

RT: 22.71 min Scan# 3421

Delta R.T. -0.04 min

Lab File: BM006950.D

Acq: 06 Aug 2016 22:33

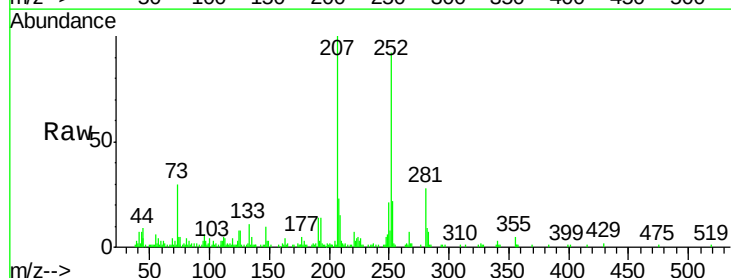
Tgt Ion:252 Resp: 125634

Ion Ratio Lower Upper

252 100

253 23.4 17.2 25.8

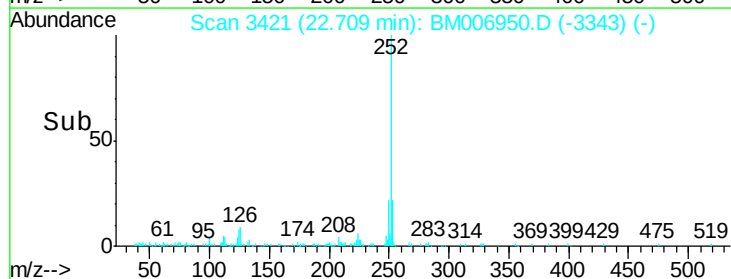
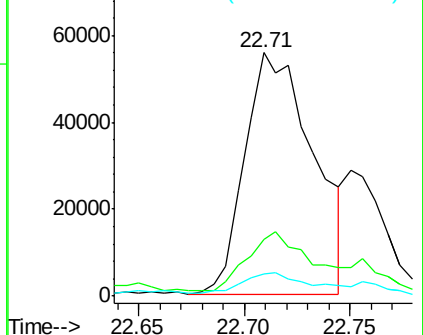
125 9.0 5.1 7.7#

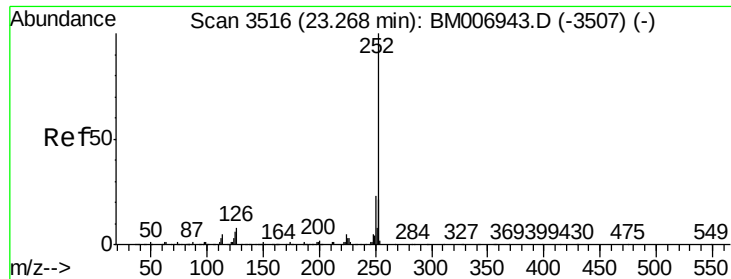


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 1.20 ng/ul

RT: 23.26 min Scan# 3515

Delta R.T. -0.01 min

Lab File: BM006950.D

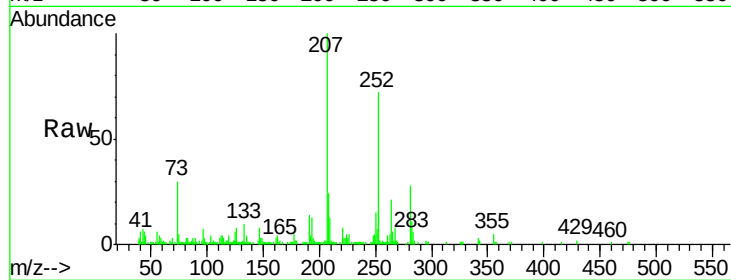
Acq: 06 Aug 2016 22:33

Instrument :

BNA_M

ClientSampleId :

DA0F8



Tgt Ion:	252	Resp:	81386
Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.2	27.2
125	7.8	5.6	8.4

