

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080616\
 Data File : BM006972.D
 Acq On : 07 Aug 2016 12:17
 Operator : UM/SJ
 Sample : H4302-02
 Misc :
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0E6

Quant Time: Aug 08 03:56:09 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	229562	20.00	ng/ul	0.00
7) Naphthalene-d8	10.32	136	1113044	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.20	164	689052	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.96	188	1593263	20.00	ng/ul	0.00
29) Chrysene-d12	21.17	240	1360875	20.00	ng/ul	0.00
34) Perylene-d12	23.35	264	1121530	20.00	ng/ul	-0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.09	96	5851	1.16	ng/uL	0.00
3) Phenol-d5	6.76	99	327369	15.04	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	226522	16.60	ng/ul	0.00
5) 2-Chlorophenol-d4	7.09	132	264037	16.99	ng/ul	0.00
6) 4-Methylphenol-d8	8.29	113	241645	13.30	ng/ul	0.00
8) Nitrobenzene-d5	8.71	128	142532	17.24	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	156769	15.83	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.98	165	313524	16.70	ng/ul	0.00
12) 4-Chloroaniline-d4	10.49	131	272186	12.15	ng/ul	0.00
16) Dimethylphthalate-d6	13.63	166	1048035	17.28	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	1272248	18.14	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	104880	11.92	ng/ul	0.02
21) Fluorene-d10	15.20	176	934943	18.14	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.37	200	119286	18.13	ng/ul	0.00
26) Anthracene-d10	17.06	188	1419763	18.44	ng/ul	0.00
30) Pyrene-d10	19.37	212	1527325	23.54	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.22	264	997110	18.67	ng/ul	0.00

Target Compounds

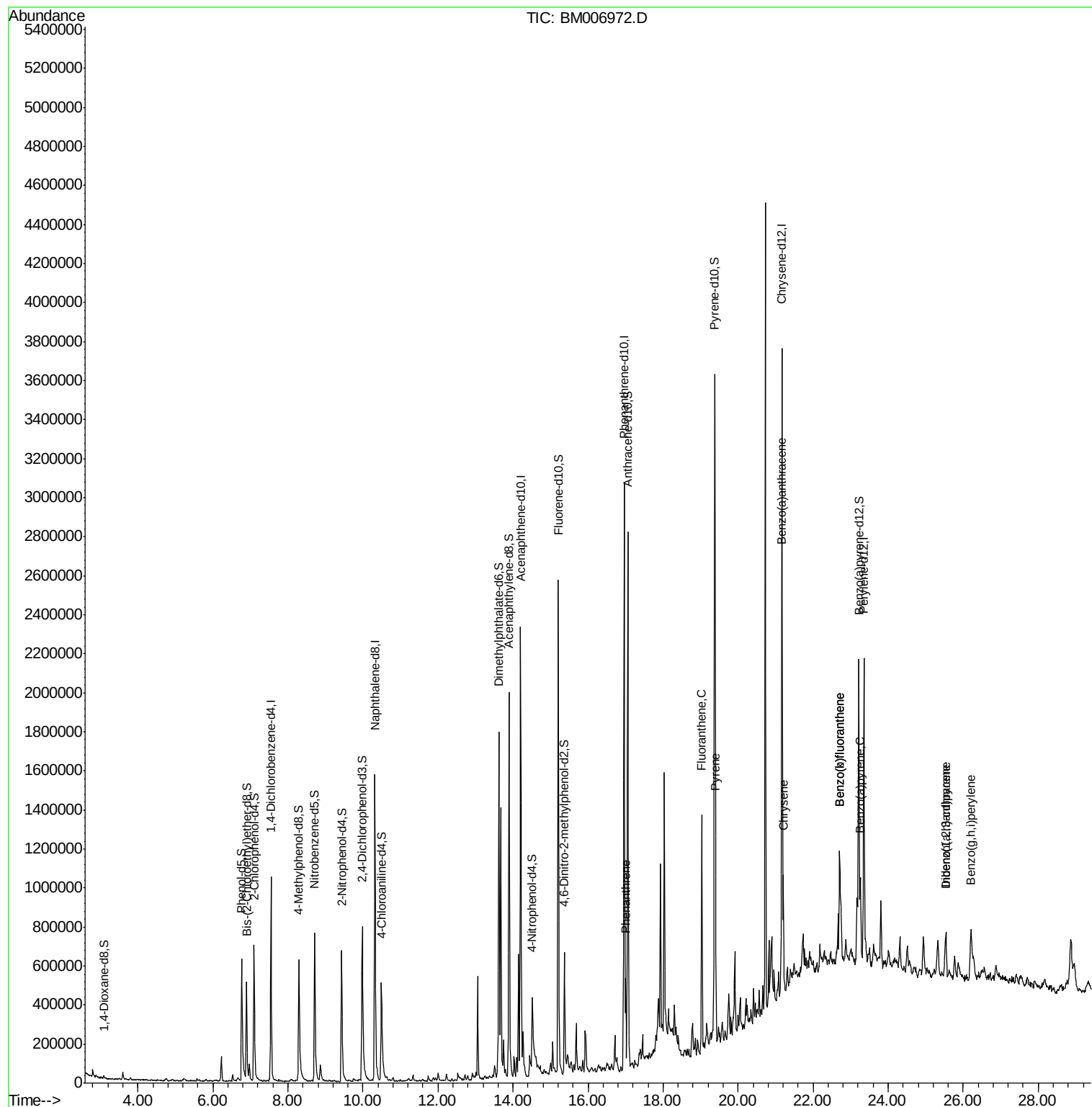
						Qvalue
25) Phenanthrene	17.00	178	242362	2.72	ng/ul	98
28) Fluoranthene	19.03	202	667683	6.16	ng/ul	97
31) Pyrene	19.40	202	590421	6.98	ng/ul	98
32) Benzo(a)anthracene	21.16	228	359541	4.45	ng/ul	97
33) Chrysene	21.21	228	327425	4.61	ng/ul	98
35) Benzo(b)fluoranthene	22.71	252	428182	5.85	ng/ul#	98
36) Benzo(k)fluoranthene	22.71	252	428182	6.06	ng/ul#	97
38) Benzo(a)pyrene	23.26	252	288320	4.34	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.53	276	219398	3.26	ng/ul	96
40) Dibenzo(a,h)anthracene	25.53	278	68154	1.20	ng/ul#	81
41) Benzo(g,h,i)perylene	26.20	276	225450	4.25	ng/ul	98

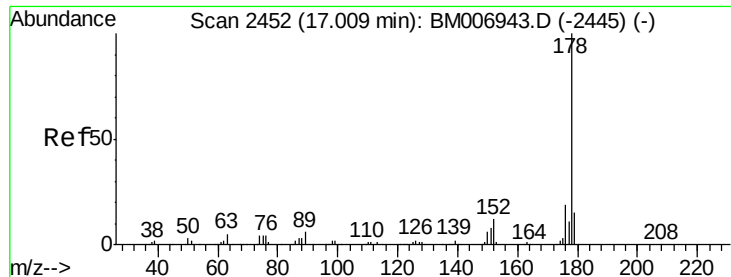
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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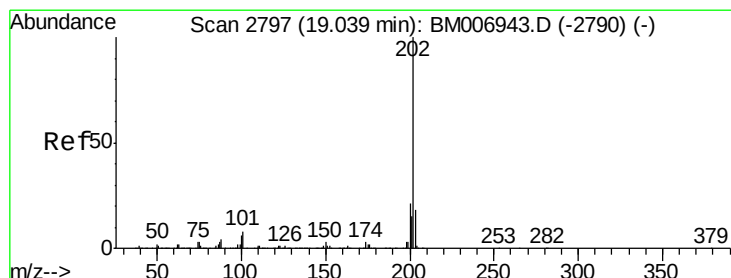
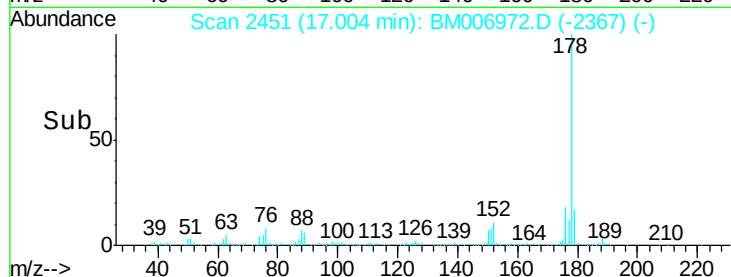
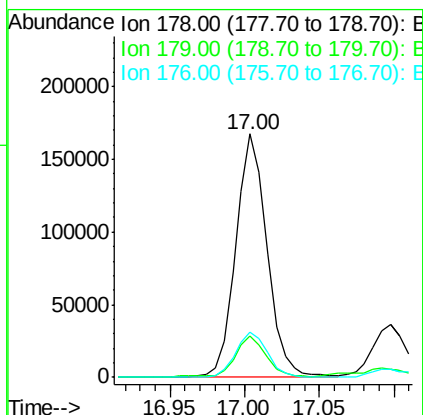
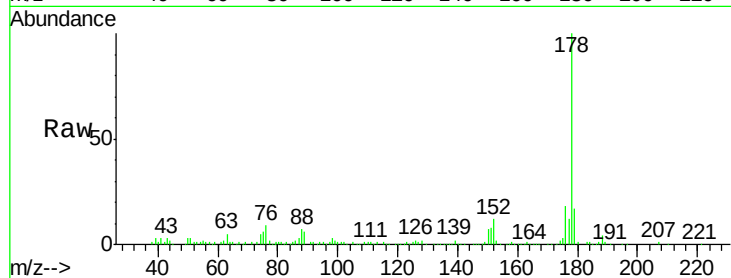




#25
Phenanthrene
Concen: 2.72 ng/ul
RT: 17.00 min Scan# 2451
Delta R.T. -0.01 min
Lab File: BM006972.D
Acq: 07 Aug 2016 12:17

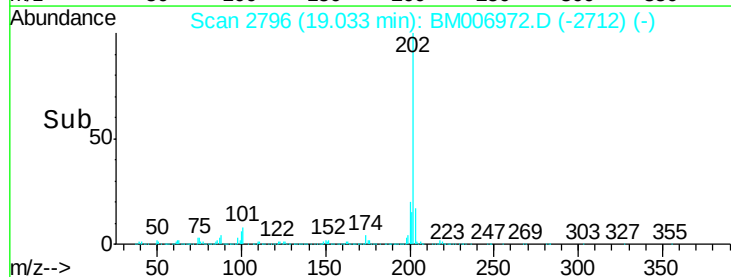
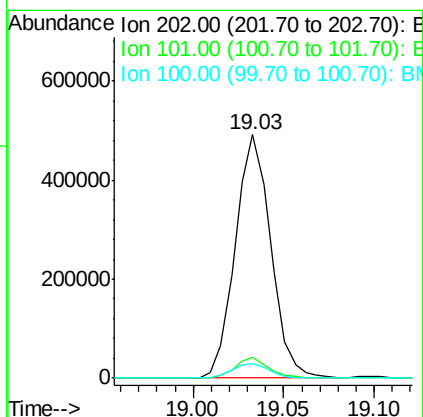
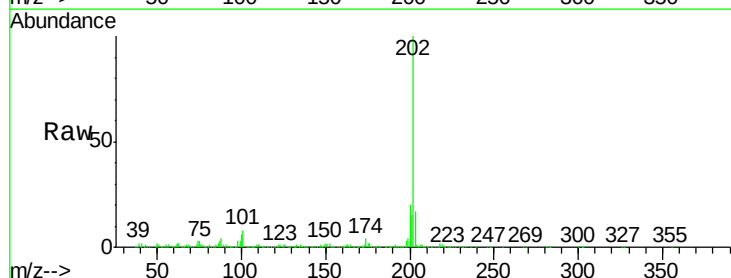
Instrument :
BNA_M
ClientSampleId :
DA0E6

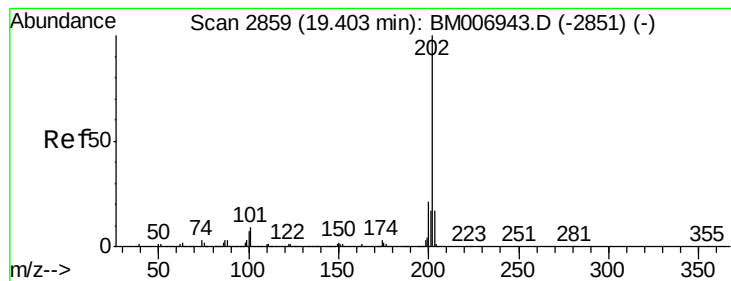
Tgt Ion:178 Resp: 242362
Ion Ratio Lower Upper
178 100
179 16.9 12.0 18.0
176 18.4 15.0 22.4



#28
Fluoranthene
Concen: 6.16 ng/ul
RT: 19.03 min Scan# 2796
Delta R.T. -0.01 min
Lab File: BM006972.D
Acq: 07 Aug 2016 12:17

Tgt Ion:202 Resp: 667683
Ion Ratio Lower Upper
202 100
101 8.3 5.6 8.4
100 6.1 4.2 6.4





#31

Pyrene

Concen: 6.98 ng/ul

RT: 19.40 min Scan# 2858

Delta R.T. -0.01 min

Lab File: BM006972.D

Acq: 07 Aug 2016 12:17

Instrument :

BNA_M

ClientSampleId :

DA0E6

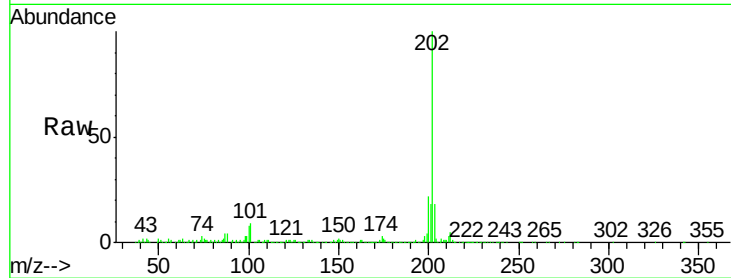
Tgt Ion:202 Resp: 590421

Ion Ratio Lower Upper

202 100

101 8.8 6.4 9.6

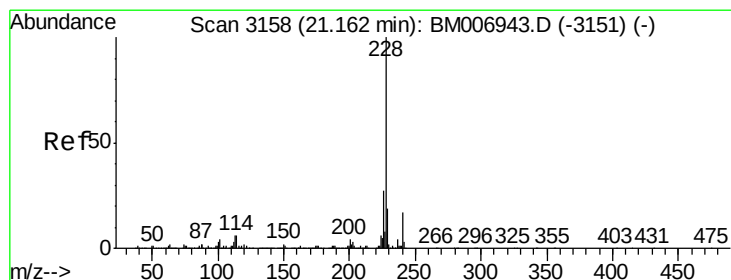
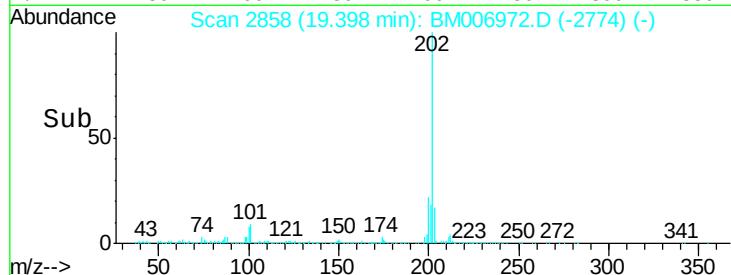
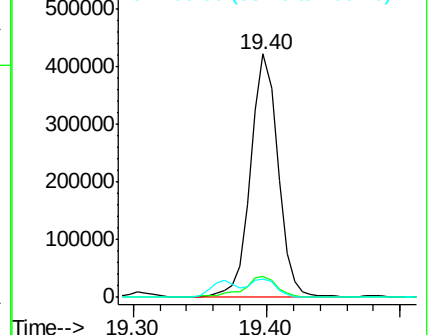
100 7.6 5.4 8.2



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



#32

Benzo(a)anthracene

Concen: 4.45 ng/ul

RT: 21.16 min Scan# 3157

Delta R.T. -0.01 min

Lab File: BM006972.D

Acq: 07 Aug 2016 12:17

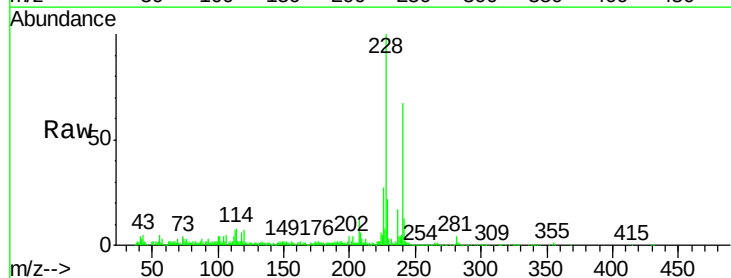
Tgt Ion:228 Resp: 359541

Ion Ratio Lower Upper

228 100

229 21.7 15.2 22.8

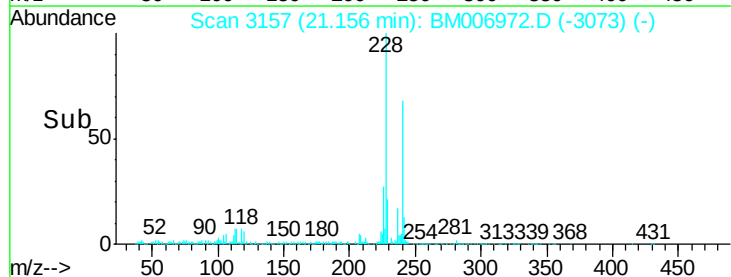
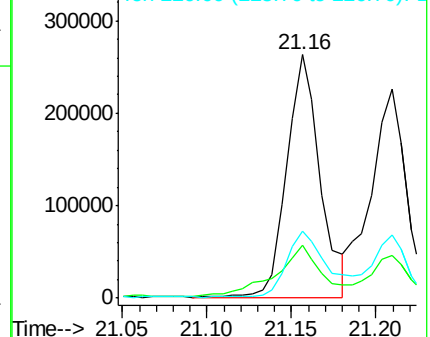
226 27.3 21.3 31.9

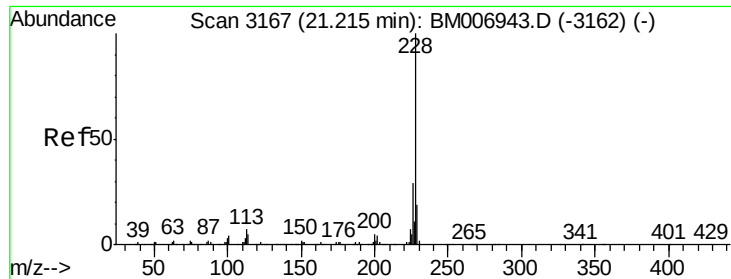


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 4.61 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BM006972.D

Acq: 07 Aug 2016 12:17

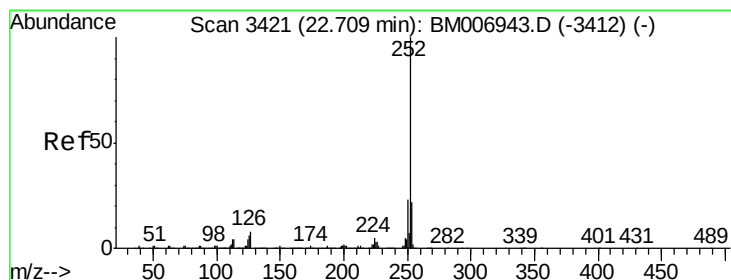
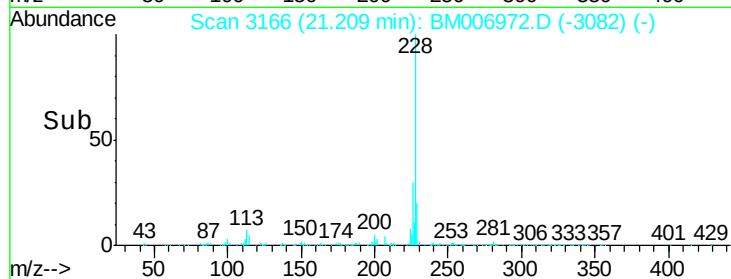
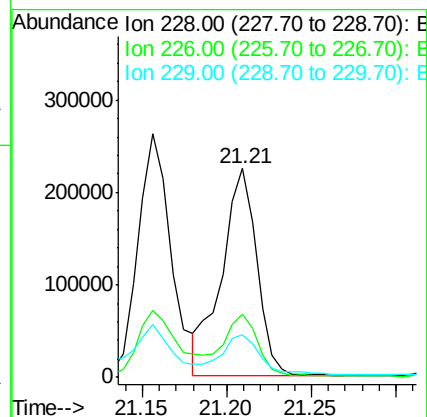
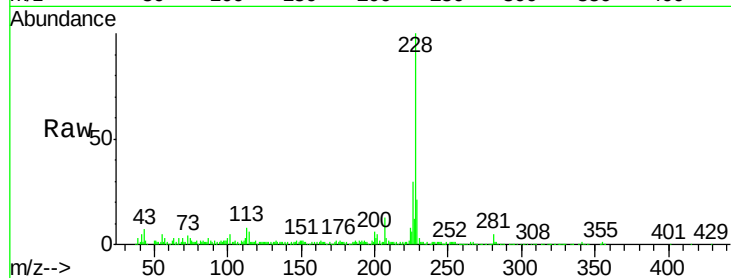
Instrument :

BNA_M

ClientSampleId :

DA0E6

Tgt Ion:	228	Resp:	327425
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.6
229	20.7	15.1	22.7



#35

Benzo(b)fluoranthene

Concen: 5.85 ng/ul

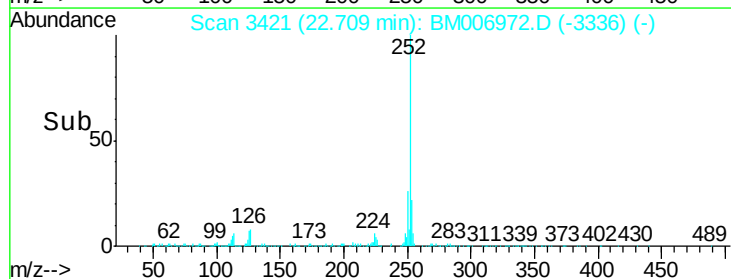
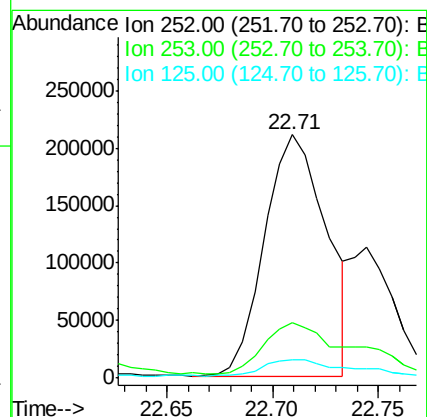
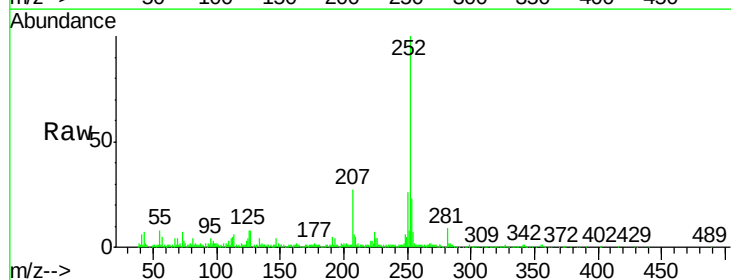
RT: 22.71 min Scan# 3421

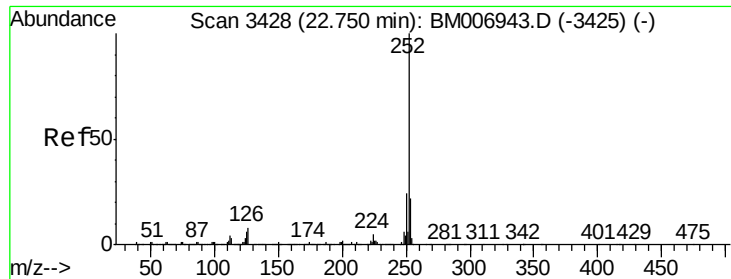
Delta R.T. 0.00 min

Lab File: BM006972.D

Acq: 07 Aug 2016 12:17

Tgt Ion:	252	Resp:	428182
Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.6	26.4
125	7.7	5.1	7.7#

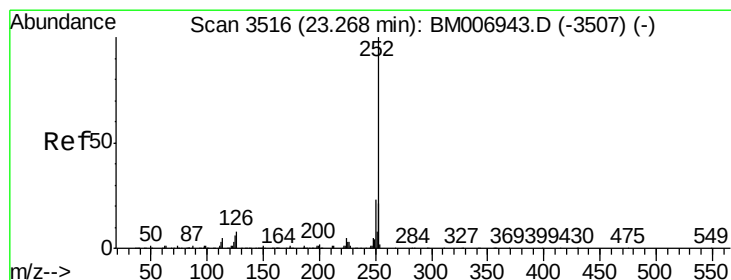
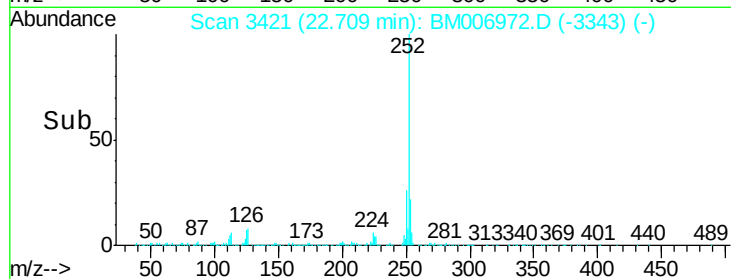
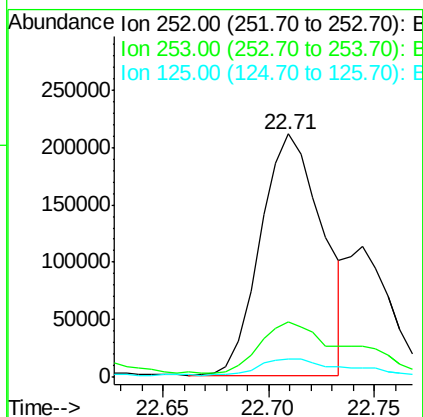
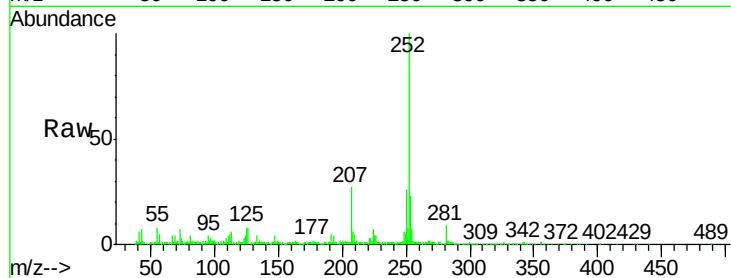




#36
Benzo(k)fluoranthene
Concen: 6.06 ng/ul
RT: 22.71 min Scan# 3421
Delta R.T. -0.04 min
Lab File: BM006972.D
Acq: 07 Aug 2016 12:17

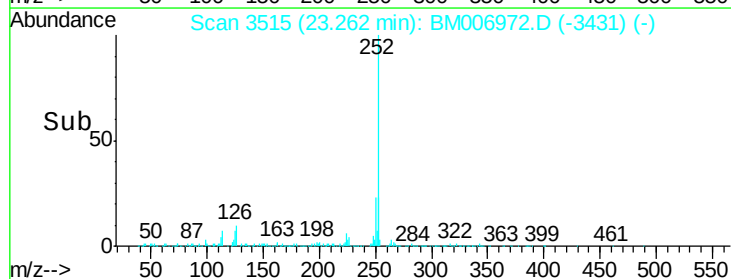
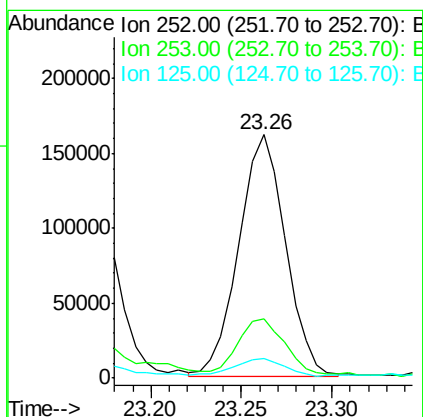
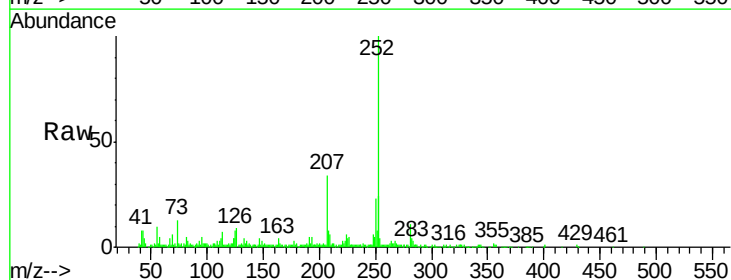
Instrument :
BNA_M
ClientSampleId :
DA0E6

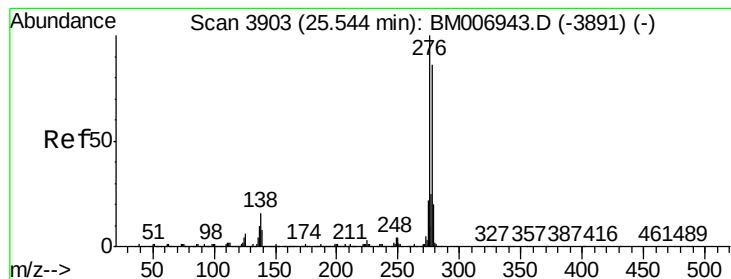
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.2	25.8
125	7.7	5.1	7.7#



#38
Benzo(a)pyrene
Concen: 4.34 ng/ul
RT: 23.26 min Scan# 3515
Delta R.T. -0.01 min
Lab File: BM006972.D
Acq: 07 Aug 2016 12:17

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.1	18.2	27.2
125	8.0	5.6	8.4





#39

Indeno(1,2,3-cd)pyrene

Concen: 3.26 ng/ul

RT: 25.53 min Scan# 3901

Delta R.T. -0.01 min

Lab File: BM006972.D

Acq: 07 Aug 2016 12:17

Instrument :

BNA_M

ClientSampleId :

DA0E6

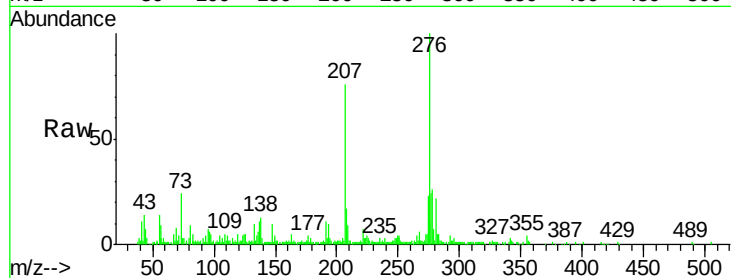
Tgt Ion:276 Resp: 219398

Ion Ratio Lower Upper

276 100

138 13.1 12.6 19.0

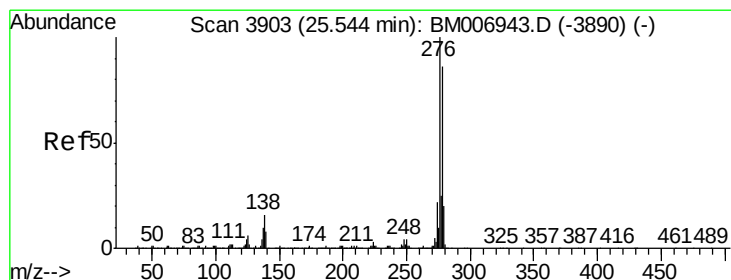
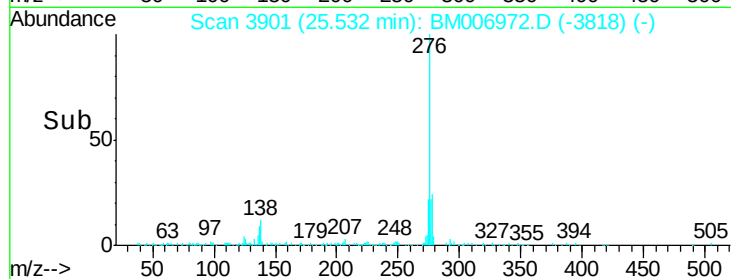
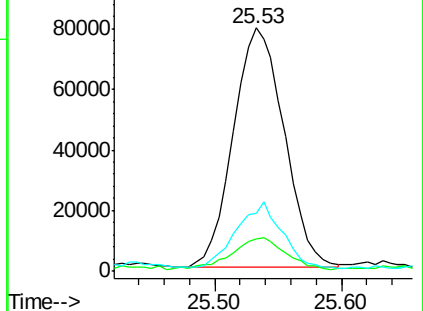
277 23.8 20.3 30.5



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



#40

Dibenzo(a,h)anthracene

Concen: 1.20 ng/ul

RT: 25.53 min Scan# 3900

Delta R.T. -0.02 min

Lab File: BM006972.D

Acq: 07 Aug 2016 12:17

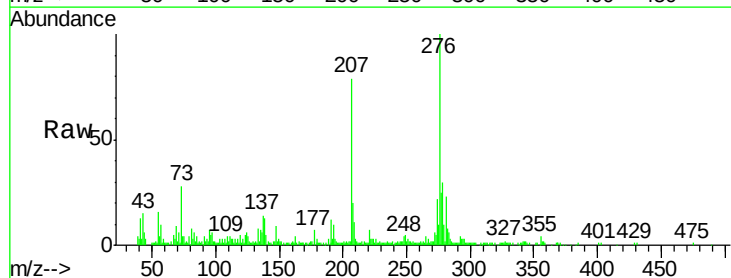
Tgt Ion:278 Resp: 68154

Ion Ratio Lower Upper

278 100

139 15.3 7.5 11.3#

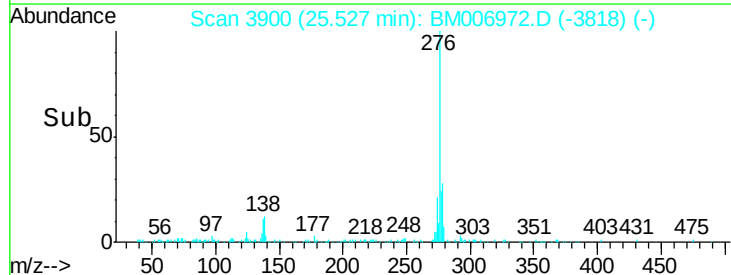
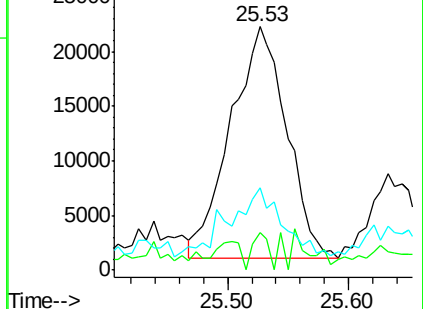
279 33.9 19.0 28.4#

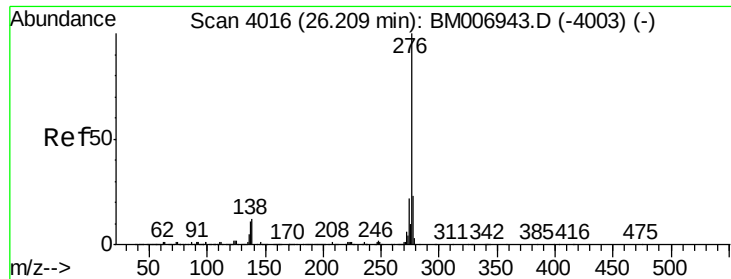


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#41

Benzo(g,h,i)perylene

Concen: 4.25 ng/ul

RT: 26.20 min Scan# 4015

Delta R.T. -0.01 min

Lab File: BM006972.D

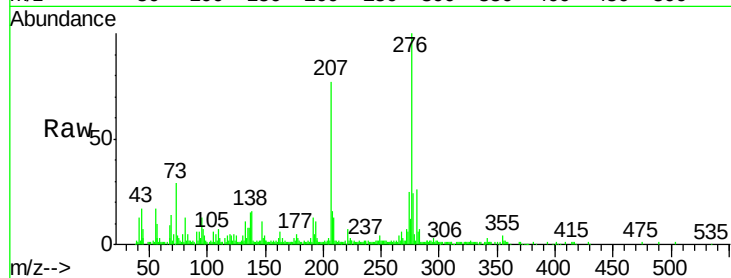
Acq: 07 Aug 2016 12:17

Instrument :

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Tgt Ion:	276	Resp:	225450
Ion	Ratio	Lower	Upper
276	100		
138	15.6	10.9	16.3
277	23.5	18.6	27.8

