

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080616\
 Data File : BM006966.D
 Acq On : 07 Aug 2016 08:42
 Operator : UM/SJ
 Sample : H4302-16
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA0G5

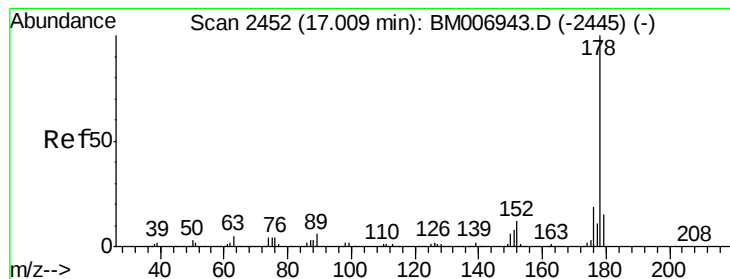
Quant Time: Aug 08 03:55:14 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM080616.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 08 03:51:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.55	152	213772	20.00	ng/ul	0.00
7) Naphthalene-d8	10.32	136	1051309	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.20	164	670793	20.00	ng/ul	0.00
23) Phenanthrene-d10	16.96	188	1597369	20.00	ng/ul	0.00
29) Chrysene-d12	21.17	240	1515147	20.00	ng/ul	0.00
34) Perylene-d12	23.36	264	1185781	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.09	96	7259	1.55	ng/uL	0.00
3) Phenol-d5	6.77	99	321525	15.86	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.90	67	252812	19.89	ng/ul	0.00
5) 2-Chlorophenol-d4	7.10	132	257808	17.82	ng/ul	0.00
6) 4-Methylphenol-d8	8.29	113	211629	12.51	ng/ul	0.00
8) Nitrobenzene-d5	8.72	128	156442	20.03	ng/ul	0.00
9) 2-Nitrophenol-d4	9.43	143	177234	18.95	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	9.98	165	332566	18.76	ng/ul	0.00
12) 4-Chloroaniline-d4	10.49	131	328098	15.50	ng/ul	0.00
16) Dimethylphthalate-d6	13.63	166	1204403	20.40	ng/ul	0.00
17) Acenaphthylene-d8	13.90	160	1429986	20.94	ng/ul	0.00
20) 4-Nitrophenol-d4	14.47	143	240	0.03	ng/ul	-0.02
21) Fluorene-d10	15.21	176	1051650	20.96	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.37	200	131708	19.97	ng/ul	0.00
26) Anthracene-d10	17.06	188	1652066	21.41	ng/ul	0.00
30) Pyrene-d10	19.37	212	1925743	26.66	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.22	264	1250522	22.14	ng/ul	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Phenanthrene	17.00	178	271434	3.04	ng/ul	98
28) Fluoranthene	19.03	202	688853	6.34	ng/ul	97
31) Pyrene	19.03	202	689216	7.32	ng/ul	99
32) Benzo(a)anthracene	21.16	228	437083	4.86	ng/ul	97
33) Chrysene	21.21	228	426592	5.39	ng/ul	97
35) Benzo(b)fluoranthene	22.71	252	644427	8.33	ng/ul	97
36) Benzo(k)fluoranthene	22.71	252	644427	8.62	ng/ul	96
38) Benzo(a)pyrene	23.26	252	360589	5.14	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.54	276	263768	3.71	ng/ul	96
41) Benzo(g,h,i)perylene	26.21	276	247146	4.41	ng/ul	97

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



#25

Phenanthrene

Concen: 3.04 ng/ul

RT: 17.00 min Scan# 2451

Delta R.T. -0.01 min

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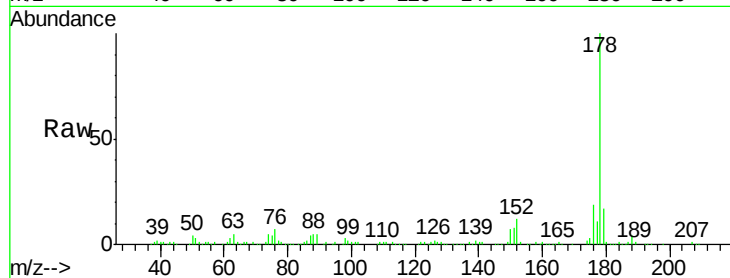
Tgt Ion:178 Resp: 271434

Ion Ratio Lower Upper

178 100

179 16.6 12.0 18.0

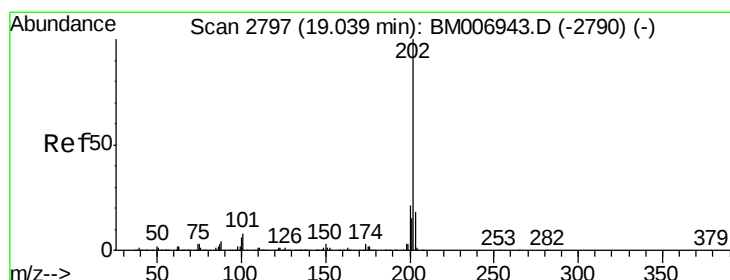
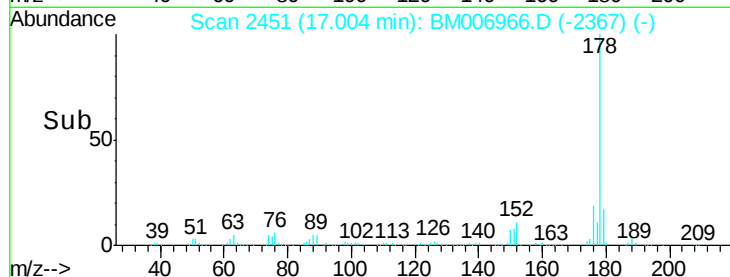
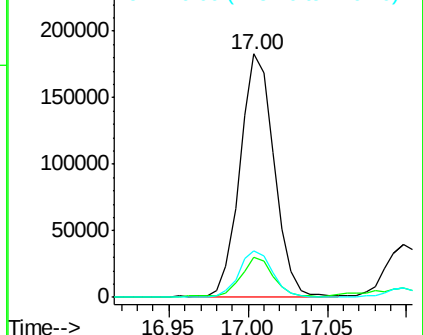
176 18.9 15.0 22.4



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



#28

Fluoranthene

Concen: 6.34 ng/ul

RT: 19.03 min Scan# 2796

Delta R.T. -0.01 min

Lab File: BM006966.D

Acq: 07 Aug 2016 08:42

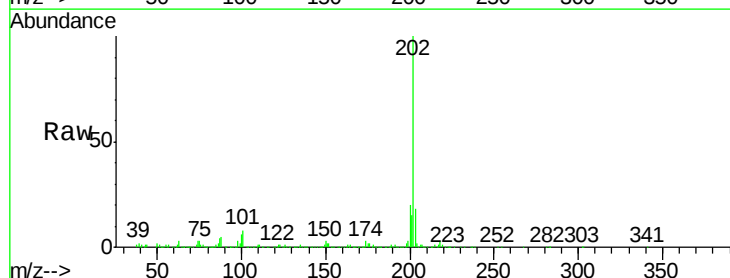
Tgt Ion:202 Resp: 688853

Ion Ratio Lower Upper

202 100

101 8.4 5.6 8.4

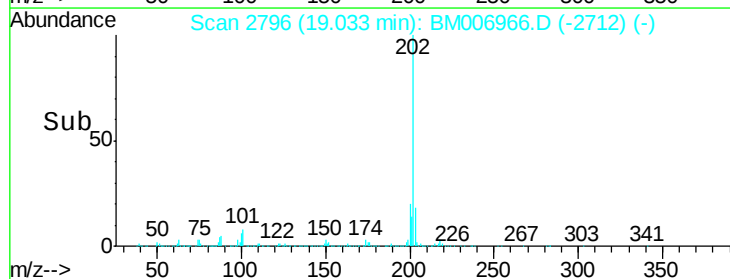
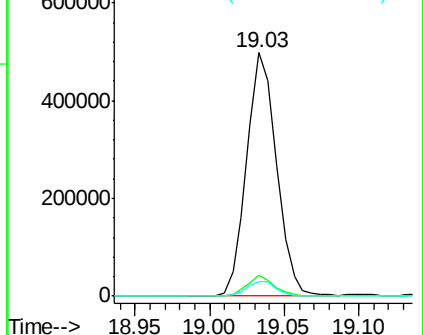
100 6.1 4.2 6.4

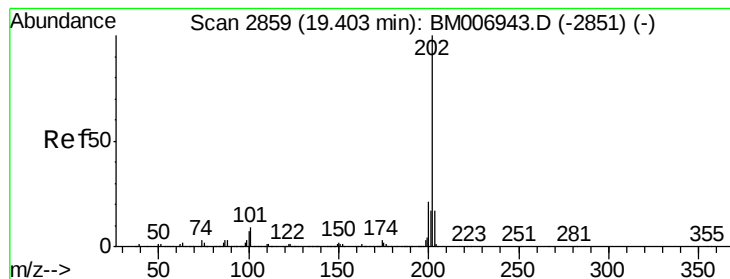


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

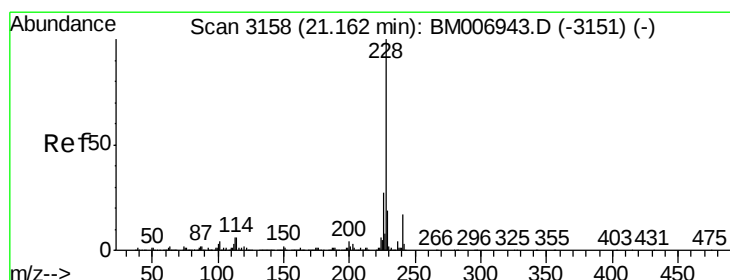
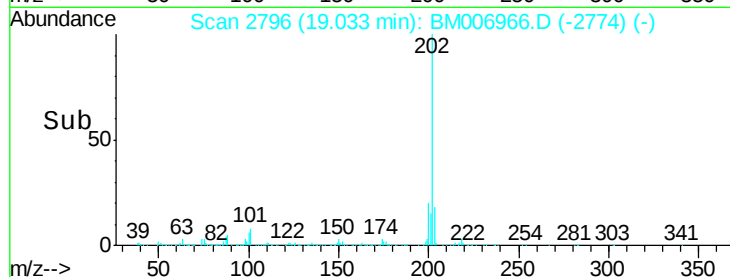
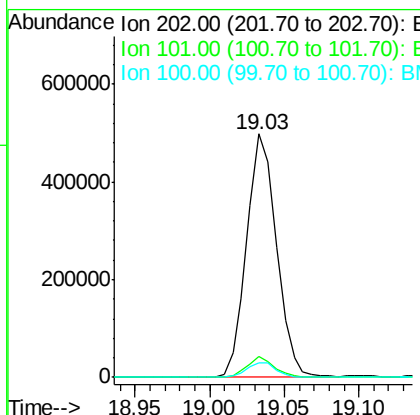
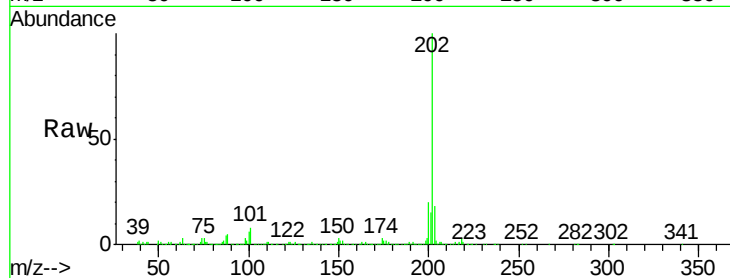




#31
 Pyrene
 Concen: 7.32 ng/ul
 RT: 19.03 min Scan# 2796
 Delta R.T. -0.37 min
 Lab File: BM006966.D
 Acq: 07 Aug 2016 08:42

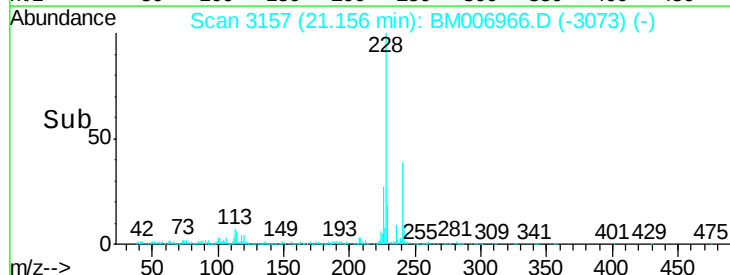
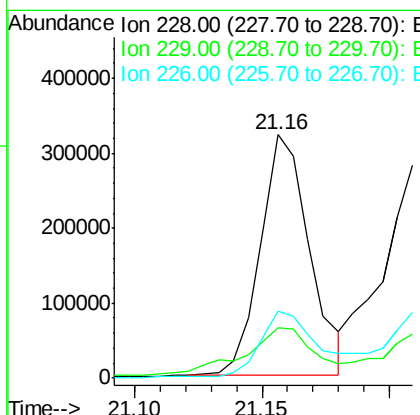
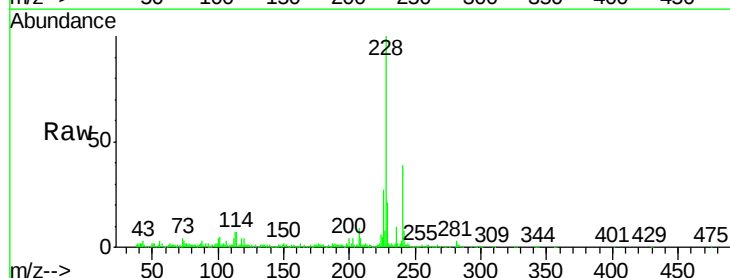
Instrument :
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 DA0G5

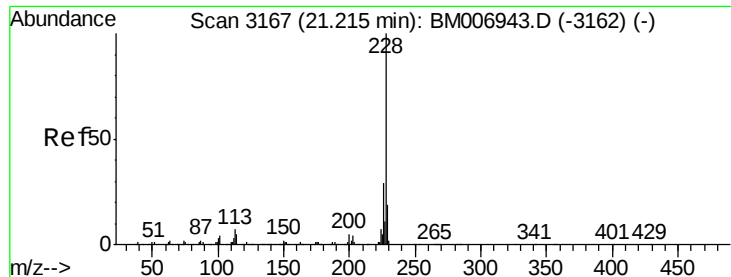
Tgt Ion:	202	Resp:	689216
Ion	Ratio	Lower	Upper
202	100		
101	8.4	6.4	9.6
100	6.1	5.4	8.2



#32
 Benzo(a)anthracene
 Concen: 4.86 ng/ul
 RT: 21.16 min Scan# 3157
 Delta R.T. -0.01 min
 Lab File: BM006966.D
 Acq: 07 Aug 2016 08:42

Tgt Ion:	228	Resp:	437083
Ion	Ratio	Lower	Upper
228	100		
229	20.8	15.2	22.8
226	27.3	21.3	31.9





#33

Chrysene

Concen: 5.39 ng/ul

RT: 21.21 min Scan# 3166

Delta R.T. -0.01 min

Lab File: BM006966.D

Acq: 07 Aug 2016 08:42

Instrument :

BNA_M

ClientSampleId :

DA0G5

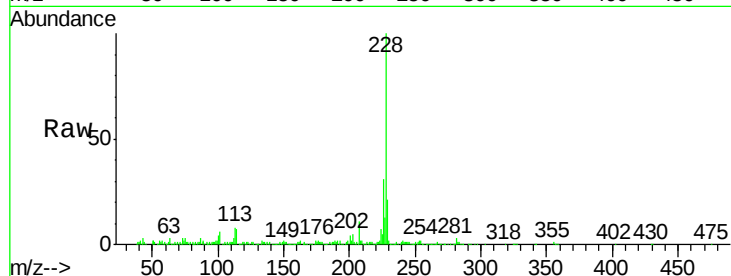
Tgt Ion:228 Resp: 426592

Ion Ratio Lower Upper

228 100

226 31.2 23.8 35.6

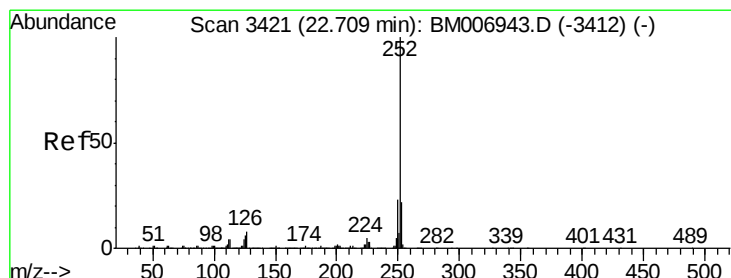
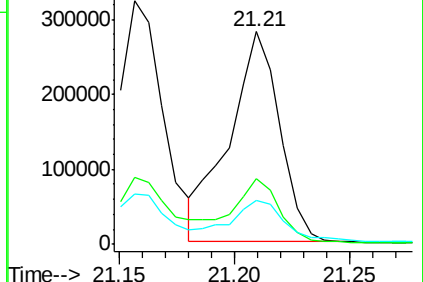
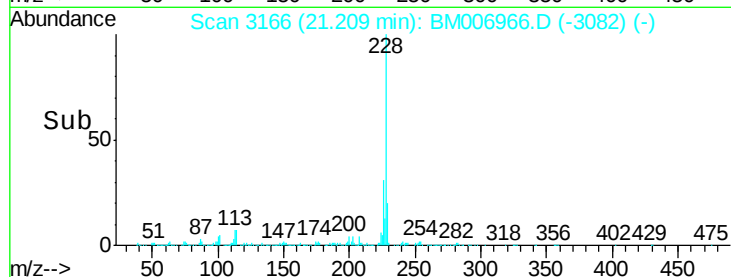
229 20.5 15.1 22.7



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: 8.33 ng/ul

RT: 22.71 min Scan# 3421

Delta R.T. 0.00 min

Lab File: BM006966.D

Acq: 07 Aug 2016 08:42

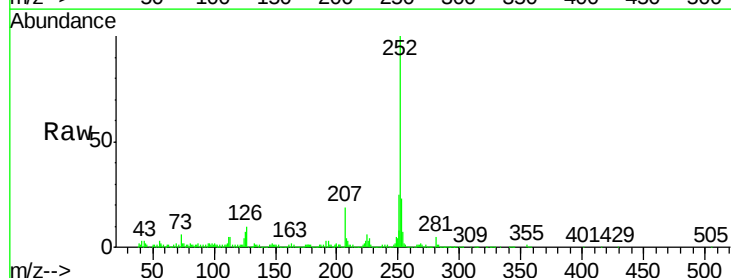
Tgt Ion:252 Resp: 644427

Ion Ratio Lower Upper

252 100

253 23.4 17.6 26.4

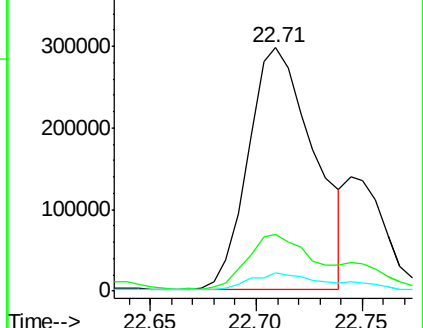
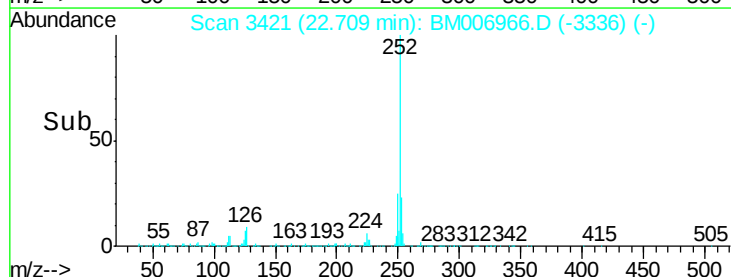
125 7.4 5.1 7.7

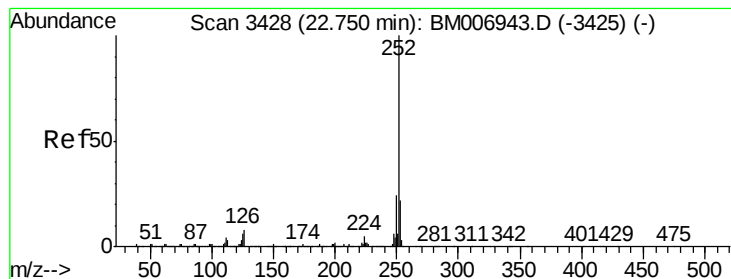


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 8.62 ng/ul

RT: 22.71 min Scan# 3421

Delta R.T. -0.04 min

Lab File: BM006966.D

Acq: 07 Aug 2016 08:42

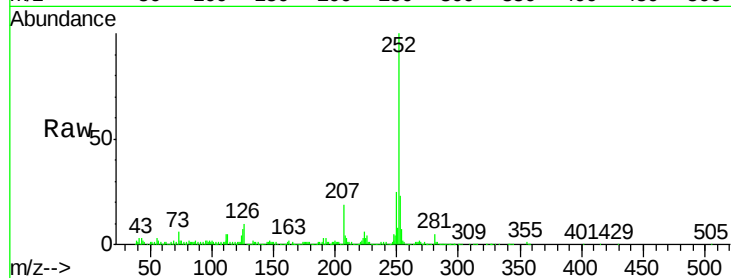
Instrument :

BNA_M

ClientSampleId :

DA0G5

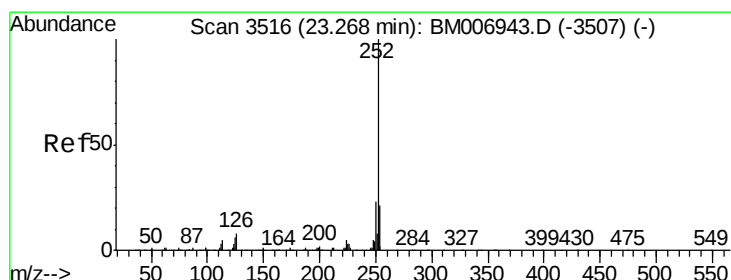
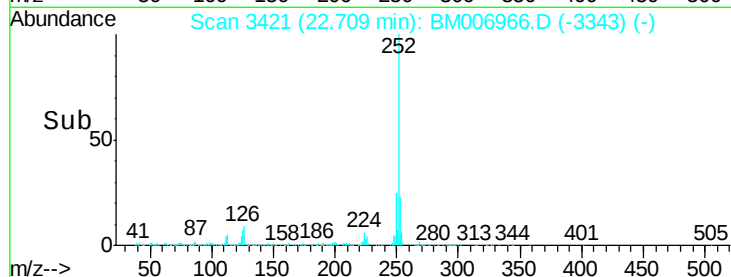
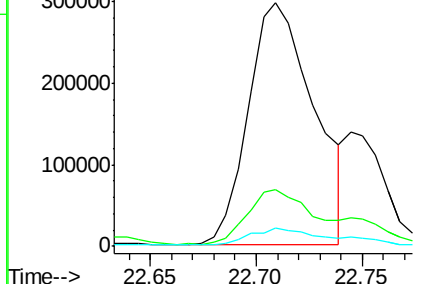
Tgt Ion:	252	Resp:	644427
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.2	25.8
125	7.4	5.1	7.7



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: 5.14 ng/ul

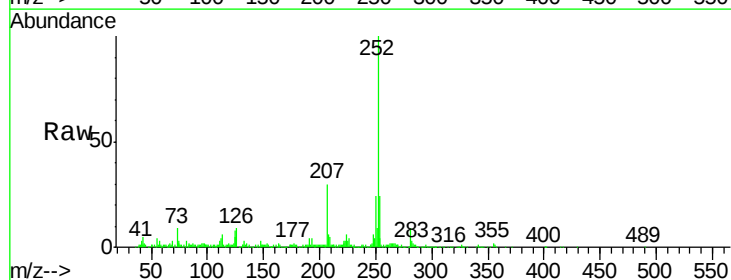
RT: 23.26 min Scan# 3515

Delta R.T. -0.01 min

Lab File: BM006966.D

Acq: 07 Aug 2016 08:42

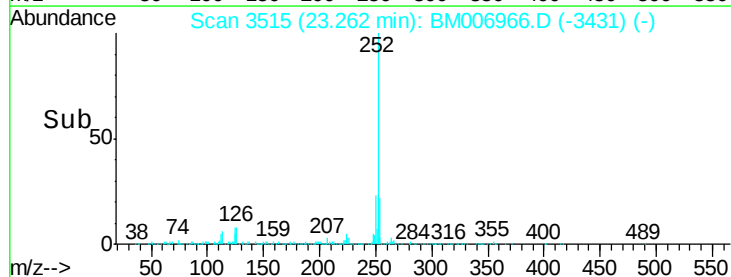
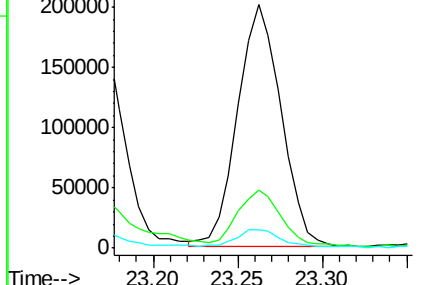
Tgt Ion:	252	Resp:	360589
Ion Ratio	Lower	Upper	
252	100		
253	24.0	18.2	27.2
125	7.8	5.6	8.4

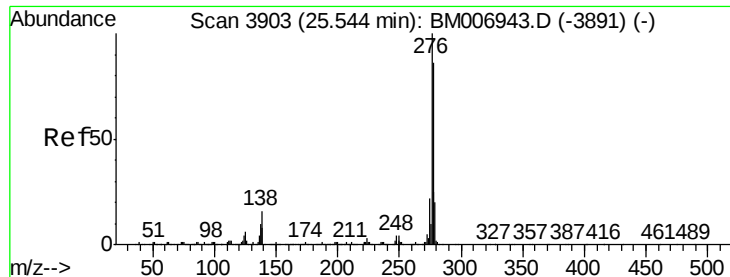


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.71 ng/ul

RT: 25.54 min Scan# 3902

Delta R.T. -0.01 min

Lab File: BM006966.D

Acq: 07 Aug 2016 08:42

Instrument :

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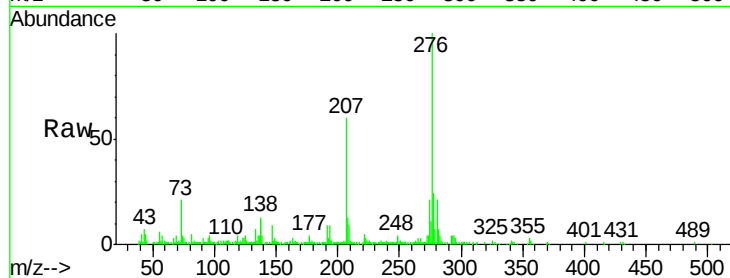
Tgt Ion:276 Resp: 263768

Ion Ratio Lower Upper

276 100

138 13.2 12.6 19.0

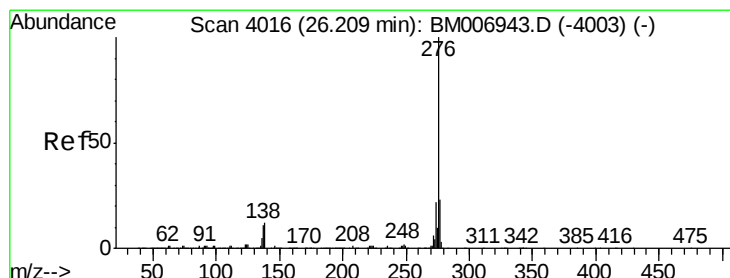
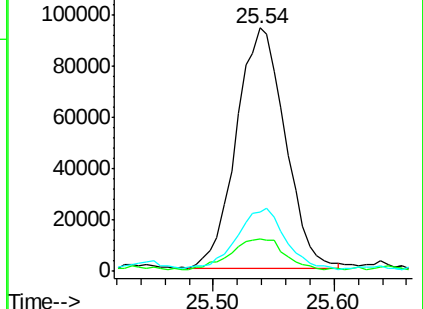
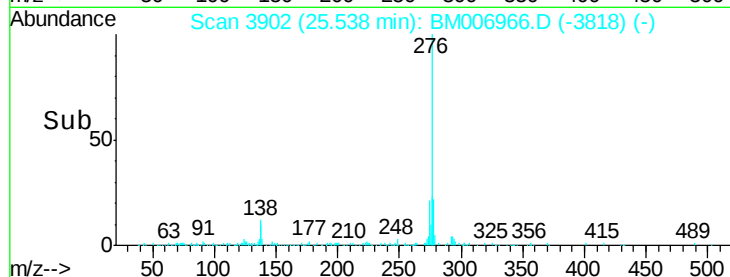
277 24.3 20.3 30.5



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



#41

Benzo(g,h,i)perylene

Concen: 4.41 ng/ul

RT: 26.21 min Scan# 4016

Delta R.T. 0.00 min

Lab File: BM006966.D

Acq: 07 Aug 2016 08:42

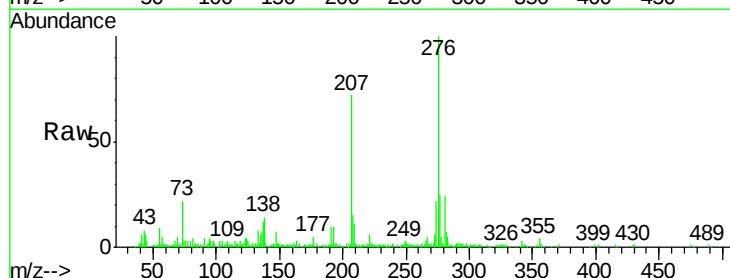
Tgt Ion:276 Resp: 247146

Ion Ratio Lower Upper

276 100

138 13.8 10.9 16.3

277 25.5 18.6 27.8



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

