

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006634.D
 Acq On : 22 Jul 2016 21:08
 Operator : UM/SJ
 Sample : H4077-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ9

Quant Time: Jul 23 00:19:30 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 23 00:16:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	214023	20.00	ng/ul	0.00
7) Naphthalene-d8	10.40	136	935600	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	520213	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.03	188	1106338	20.00	ng/ul	0.01
29) Chrysene-d12	21.23	240	1108749	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1164145	20.00	ng/ul	0.01

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	7944	1.50	ng/uL	0.00
3) Phenol-d5	6.80	99	346033	19.00	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	223580	19.82	ng/ul	0.00
5) 2-Chlorophenol-d4	7.16	132	277497	19.07	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	252626	17.89	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	139172	19.65	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	145175	19.28	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	265433	18.65	ng/ul	0.01
12) 4-Chloroaniline-d4	10.55	131	184115	11.75	ng/ul	0.01
16) Dimethylphthalate-d6	13.69	166	783620	19.21	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1025079	19.69	ng/ul	0.00
20) 4-Nitrophenol-d4	14.51	143	106363	15.01	ng/ul	0.02
21) Fluorene-d10	15.27	176	712682	19.54	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.42	200	25144	4.38	ng/ul	0.01
26) Anthracene-d10	17.12	188	1050261	19.99	ng/ul	0.00
30) Pyrene-d10	19.43	212	1136548	22.50	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.30	264	1093474	20.42	ng/ul	0.02

Target Compounds

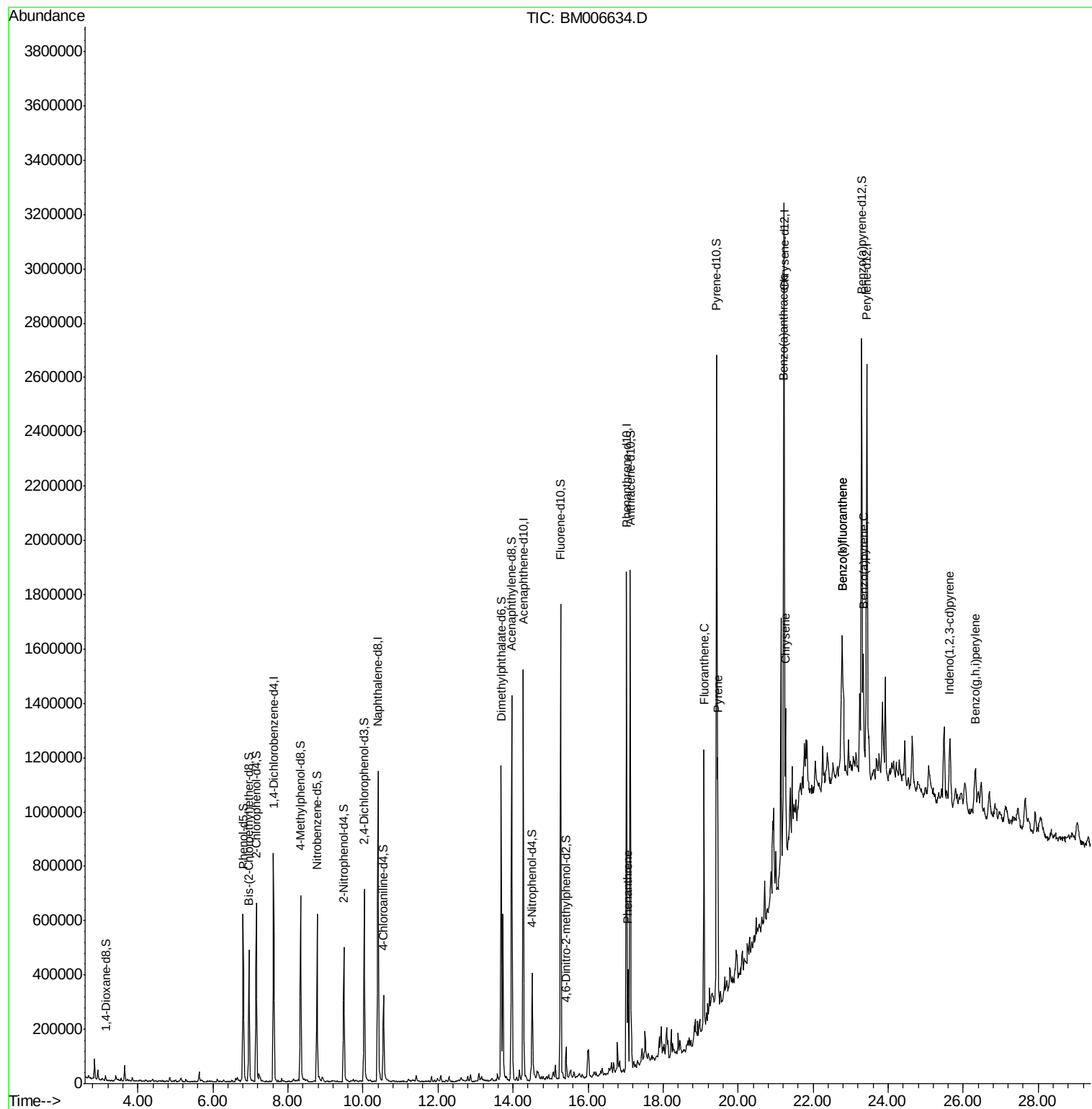
						Qvalue
25) Phenanthrene	17.07	178	219337	3.53	ng/ul	99
28) Fluoranthene	19.09	202	621160	8.50	ng/ul	98
31) Pyrene	19.46	202	526529	7.84	ng/ul	97
32) Benzo(a)anthracene	21.21	228	314598	4.68	ng/ul	97
33) Chrysene	21.26	228	305499	4.93	ng/ul	94
35) Benzo(b)fluoranthene	22.77	252	429824	6.16	ng/ul	96
36) Benzo(k)fluoranthene	22.77	252	429824	6.37	ng/ul	96
38) Benzo(a)pyrene	23.34	252	284617	4.19	ng/ul	97
39) Indeno(1,2,3-cd)pyrene	25.64	276	212781	2.71	ng/ul#	92
41) Benzo(g,h,i)perylene	26.33	276	205083	3.04	ng/ul	96

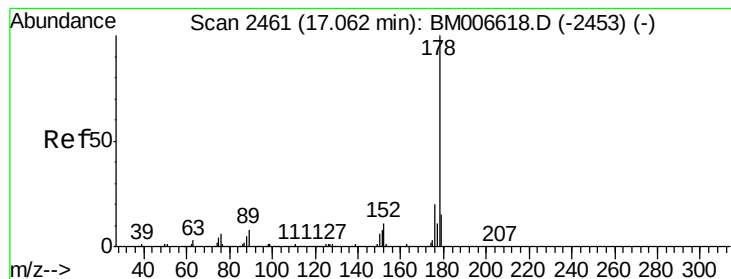
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.53 ng/ul

RT: 17.07 min Scan# 2462

Delta R.T. 0.01 min

Lab File: BM006634.D

Acq: 22 Jul 2016 21:08

Instrument :

BNA_M

ClientSampleId :

D9YQ9

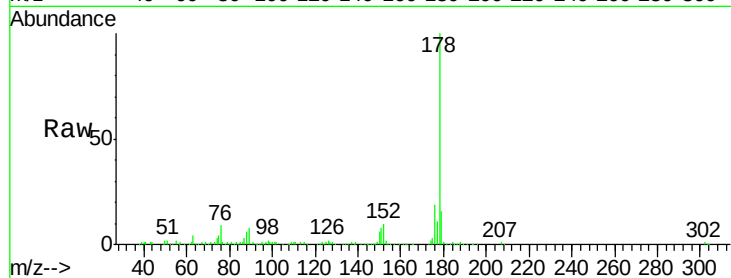
Tgt Ion:178 Resp: 219337

Ion Ratio Lower Upper

178 100

179 15.7 11.8 17.8

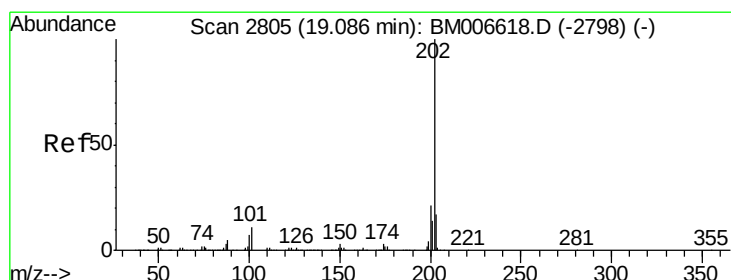
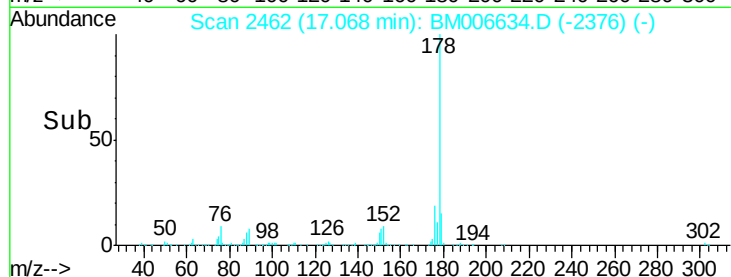
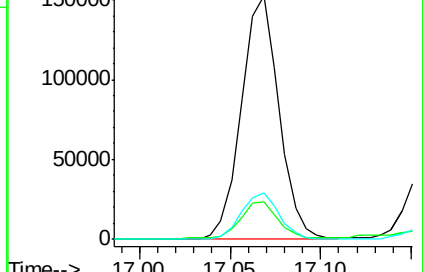
176 18.9 14.8 22.2



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: 8.50 ng/ul

RT: 19.09 min Scan# 2806

Delta R.T. 0.01 min

Lab File: BM006634.D

Acq: 22 Jul 2016 21:08

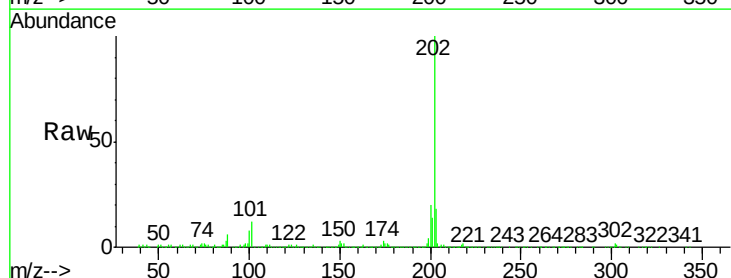
Tgt Ion:202 Resp: 621160

Ion Ratio Lower Upper

202 100

101 11.7 8.9 13.3

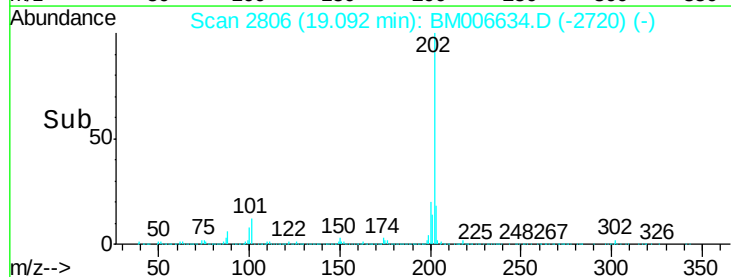
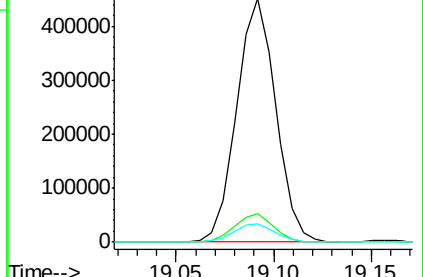
100 7.8 7.0 10.4

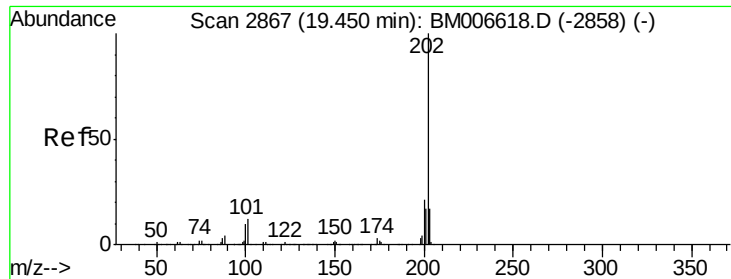


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

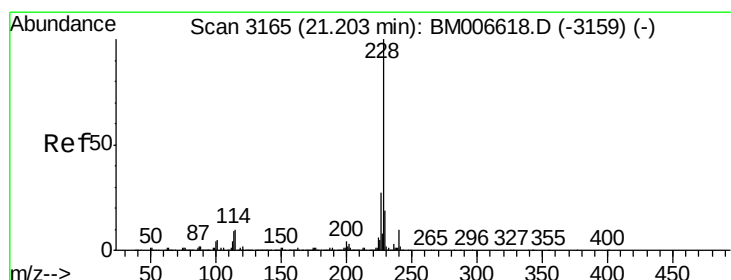
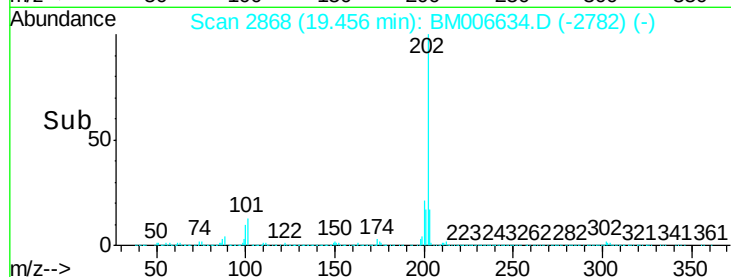
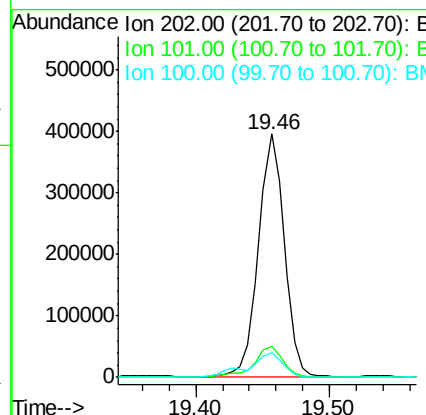
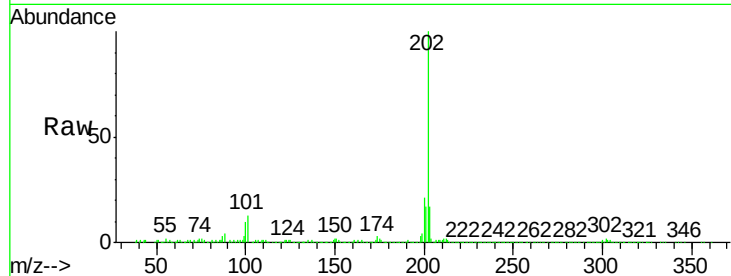




#31
 Pyrene
 Concen: 7.84 ng/ul
 RT: 19.46 min Scan# 2868
 Delta R.T. 0.01 min
 Lab File: BM006634.D
 Acq: 22 Jul 2016 21:08

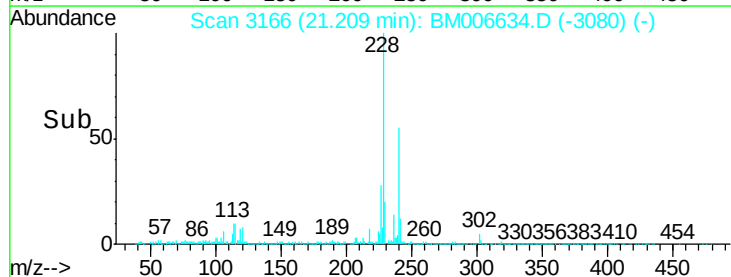
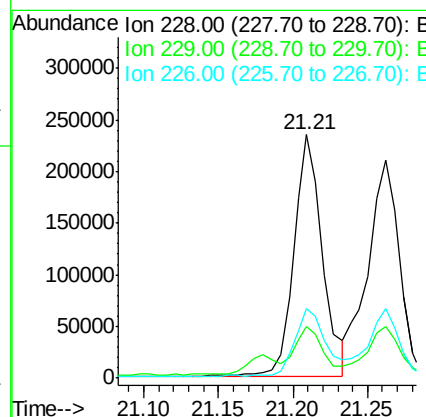
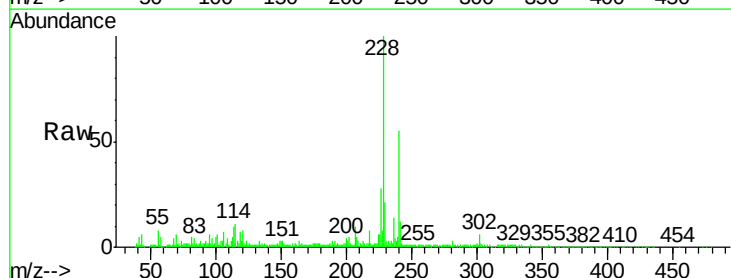
Instrument :
 BNA_M
 ClientSampleId :
 D9YQ9

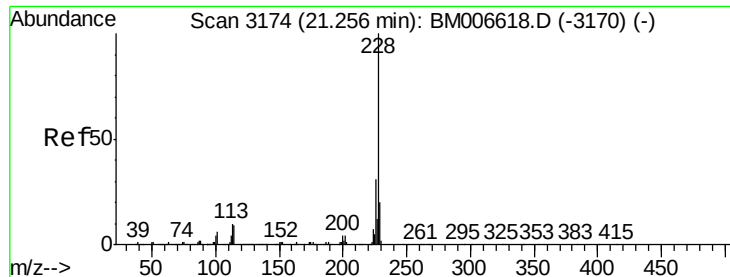
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	9.8	14.8
100	10.1	9.3	13.9



#32
 Benzo(a)anthracene
 Concen: 4.68 ng/ul
 RT: 21.21 min Scan# 3166
 Delta R.T. 0.01 min
 Lab File: BM006634.D
 Acq: 22 Jul 2016 21:08

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	16.6	25.0
226	28.4	21.0	31.4





#33

Chrysene

Concen: 4.93 ng/ul

RT: 21.26 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BM006634.D

Acq: 22 Jul 2016 21:08

Instrument :

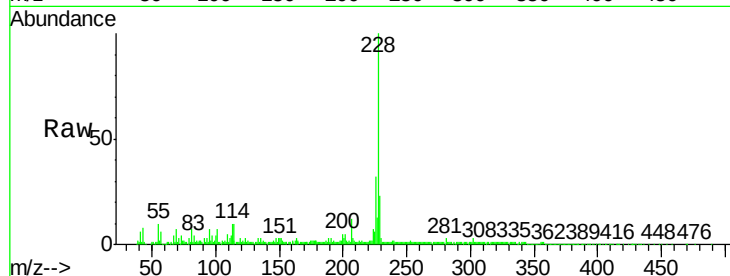
BNA_M

ClientSampleId :

D9YQ9

Tgt Ion: 228 Resp: 305499

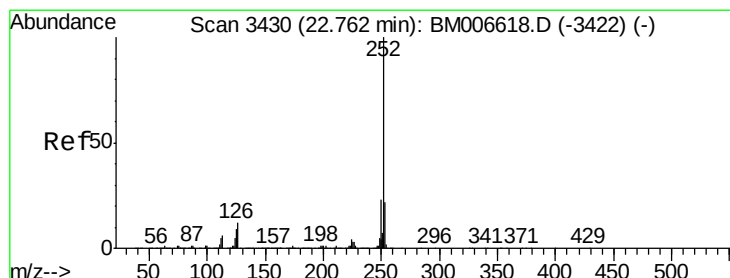
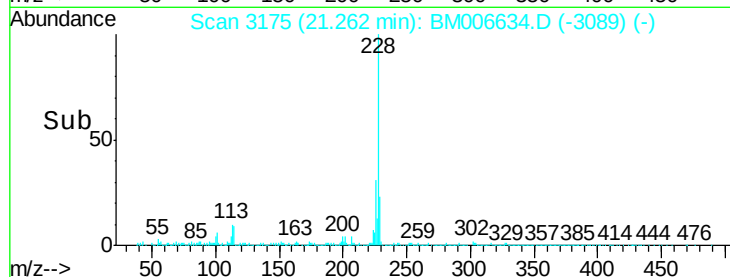
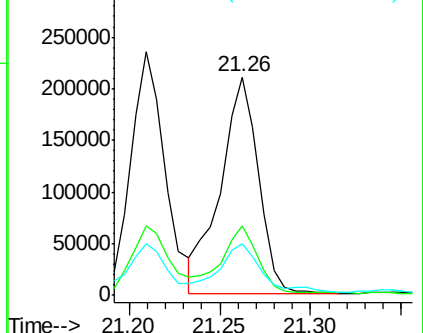
Ion	Ratio	Lower	Upper
228	100		
226	31.8	23.4	35.2
229	23.5	16.2	24.2



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: 6.16 ng/ul

RT: 22.77 min Scan# 3432

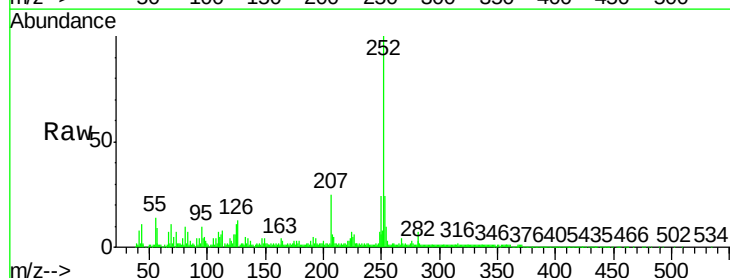
Delta R.T. 0.01 min

Lab File: BM006634.D

Acq: 22 Jul 2016 21:08

Tgt Ion: 252 Resp: 429824

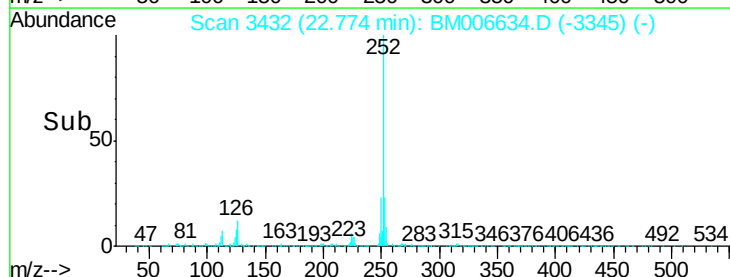
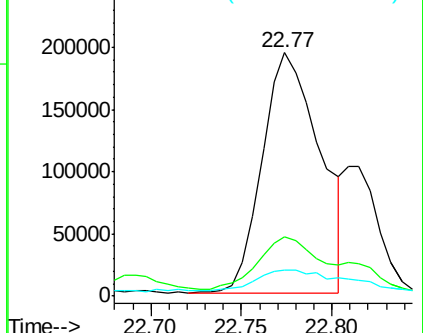
Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	10.8	7.6	11.4

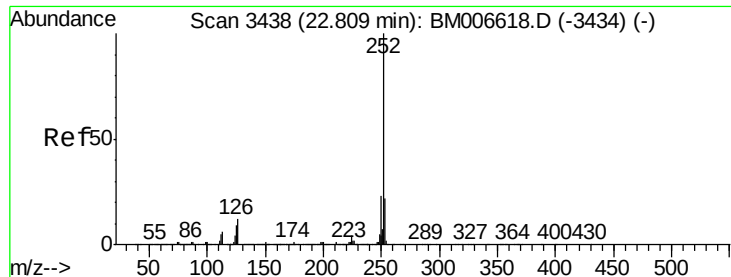


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 6.37 ng/ul

RT: 22.77 min Scan# 3432

Delta R.T. -0.04 min

Lab File: BM006634.D

Acq: 22 Jul 2016 21:08

Instrument :

BNA_M

ClientSampleId :

D9YQ9

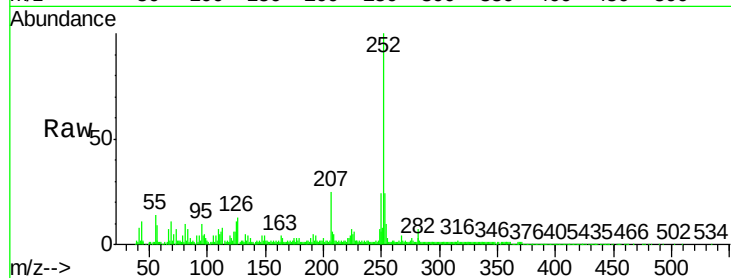
Tgt Ion:252 Resp: 429824

Ion Ratio Lower Upper

252 100

253 24.4 17.8 26.8

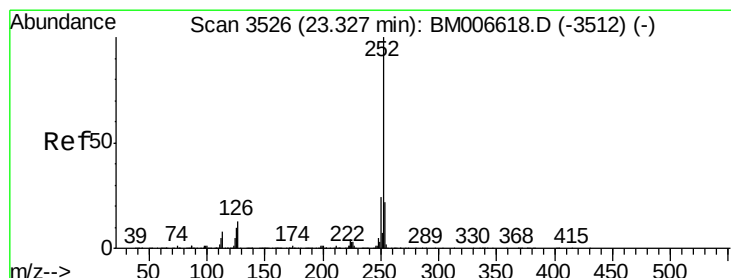
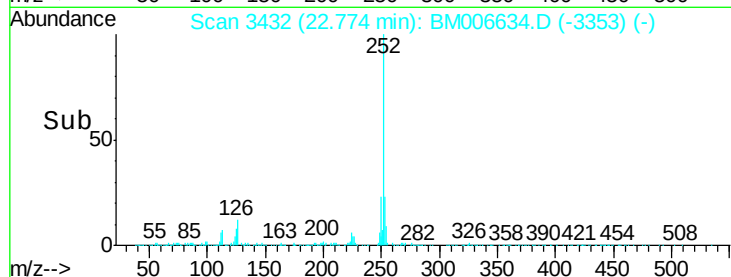
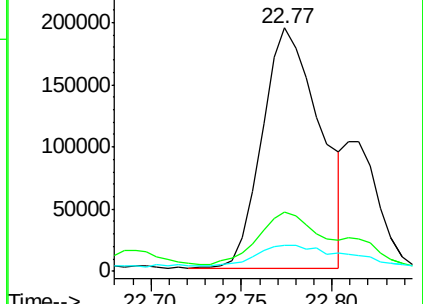
125 10.8 7.7 11.5



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: 4.19 ng/ul

RT: 23.34 min Scan# 3528

Delta R.T. 0.01 min

Lab File: BM006634.D

Acq: 22 Jul 2016 21:08

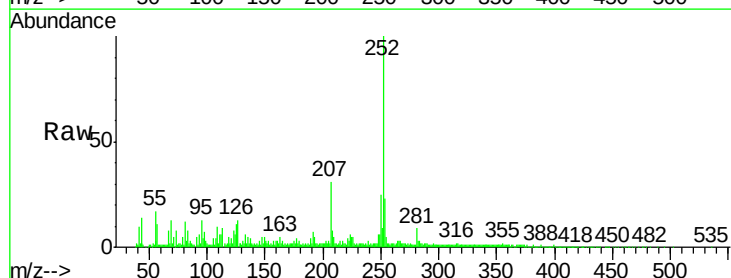
Tgt Ion:252 Resp: 284617

Ion Ratio Lower Upper

252 100

253 23.4 17.4 26.0

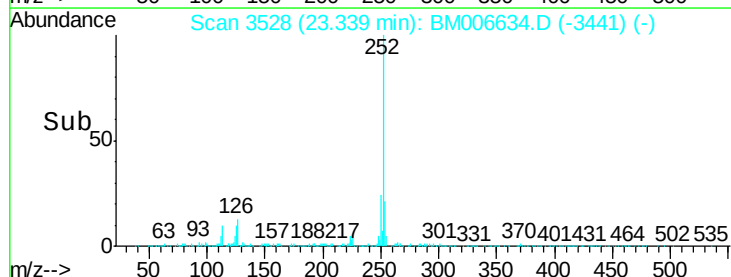
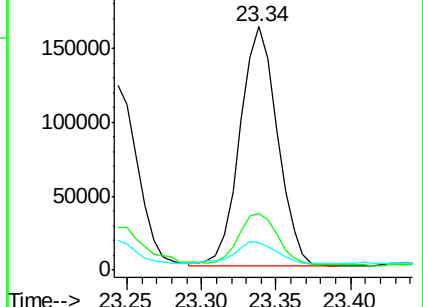
125 11.5 8.2 12.2

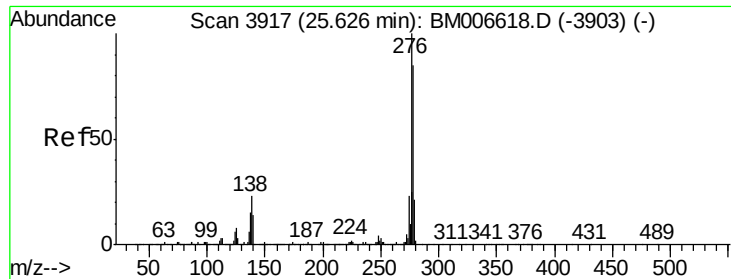


Abundance Ion 252.00 (251.70 to 252.70): E

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: 2.71 ng/ul

RT: 25.64 min Scan# 3920

Delta R.T. 0.02 min

Lab File: BM006634.D

Acq: 22 Jul 2016 21:08

Instrument :

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ClientSampleId :

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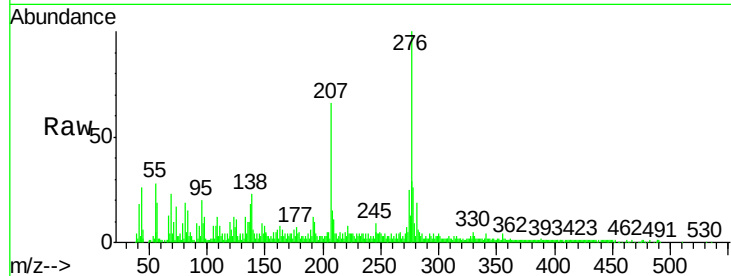
Tgt Ion:276 Resp: 212781

Ion Ratio Lower Upper

276 100

138 22.6 15.8 23.6

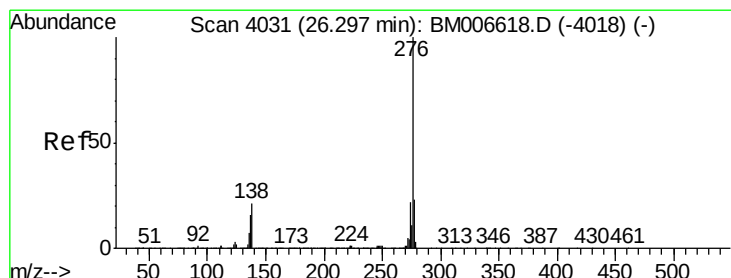
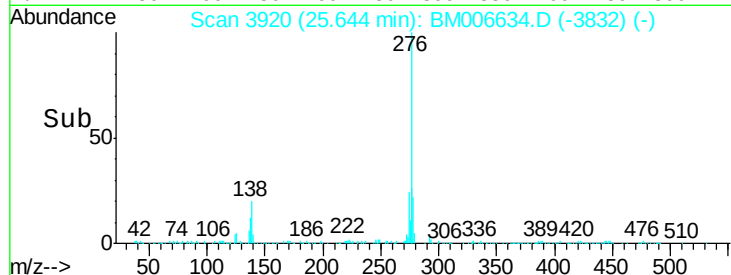
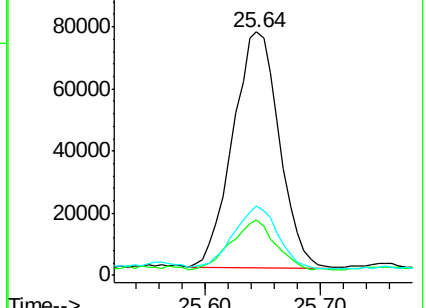
277 28.6 19.0 28.6#



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: 3.04 ng/ul

RT: 26.33 min Scan# 4036

Delta R.T. 0.03 min

Lab File: BM006634.D

Acq: 22 Jul 2016 21:08

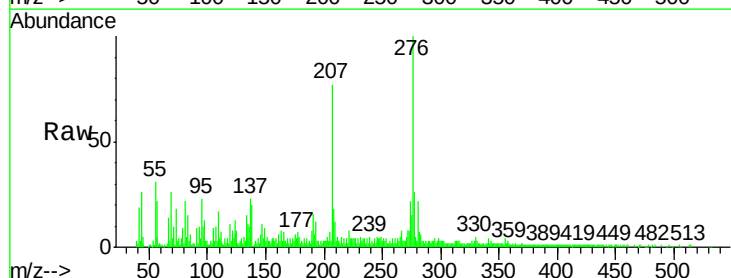
Tgt Ion:276 Resp: 205083

Ion Ratio Lower Upper

276 100

138 20.0 13.9 20.9

277 26.0 19.8 29.6



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

