

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006627.D
 Acq On : 22 Jul 2016 16:04
 Operator : UM/SJ
 Sample : H4076-20
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ3

Quant Time: Jul 23 00:18:05 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	174146	20.00	ng/ul	0.00
7) Naphthalene-d8	10.40	136	751728	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	414446	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.02	188	907878	20.00	ng/ul	0.00
29) Chrysene-d12	21.23	240	946376	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	979698	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.14	96	11522	2.68	ng/uL	0.00
3) Phenol-d5	6.80	99	470948	31.79	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	300737	32.77	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	376679	31.82	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	263063	22.89	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	189594	33.32	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	202301	33.43	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	350804	30.68	ng/ul	0.00
12) 4-Chloroaniline-d4	10.54	131	314194	24.95	ng/ul	0.00
16) Dimethylphthalate-d6	13.69	166	1037725	31.93	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1357971	32.74	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	154393	27.36	ng/ul	0.01
21) Fluorene-d10	15.27	176	941216	32.39	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.41	200	74903	15.89	ng/ul	0.00
26) Anthracene-d10	17.12	188	1389013	32.22	ng/ul	0.00
30) Pyrene-d10	19.43	212	1518428	35.21	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	1471000	32.64	ng/ul	0.01

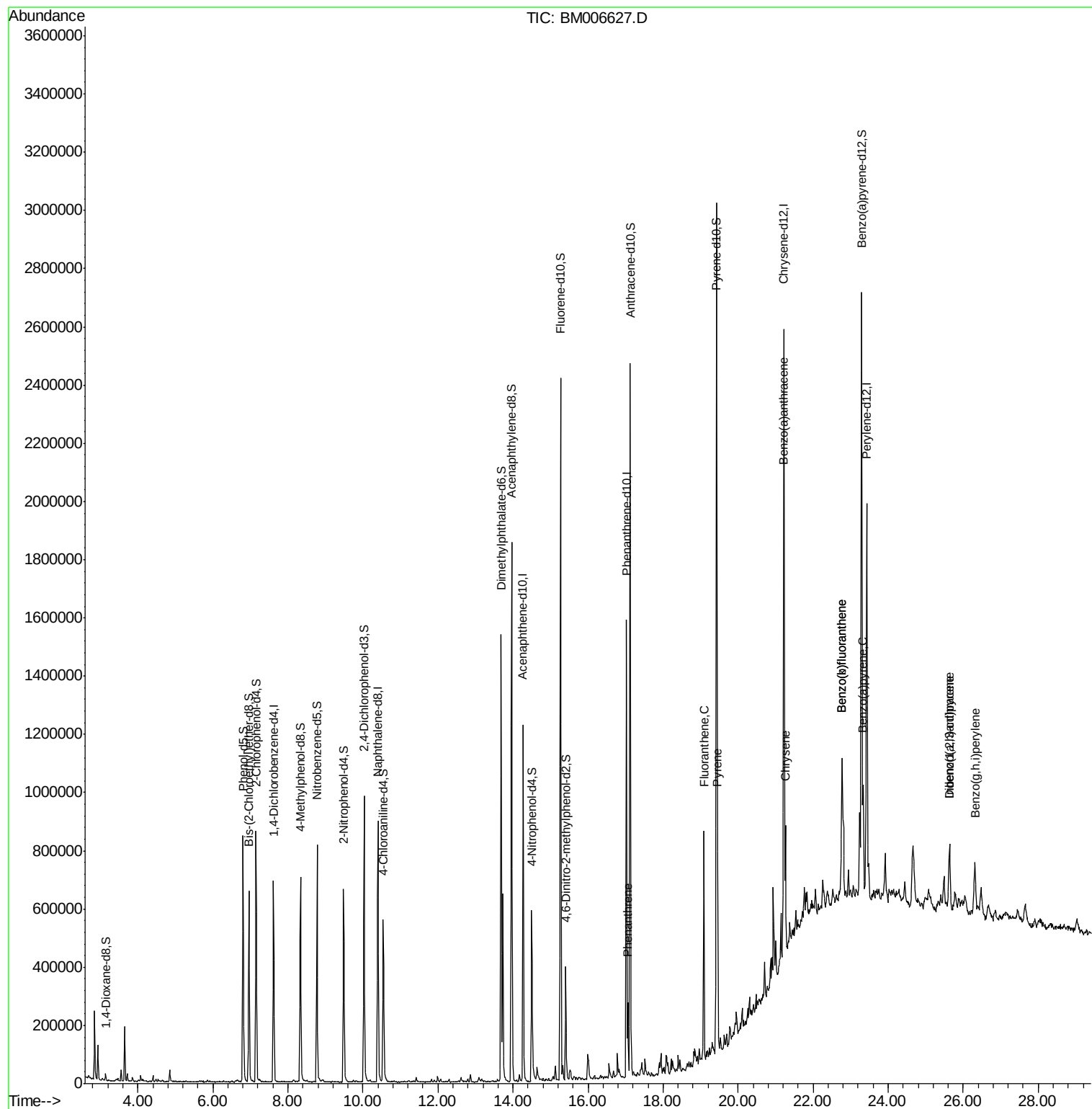
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Phenanthrene	17.06	178	140870	2.76	ng/ul	99
28) Fluoranthene	19.09	202	470286	7.84	ng/ul	99
31) Pyrene	19.46	202	416072	7.26	ng/ul	97
32) Benzo(a)anthracene	21.21	228	252383	4.40	ng/ul	97
33) Chrysene	21.26	228	267479	5.06	ng/ul	98
35) Benzo(b)fluoranthene	22.77	252	388105	6.61	ng/ul	99
36) Benzo(k)fluoranthene	22.77	252	388105	6.83	ng/ul	98
38) Benzo(a)pyrene	23.33	252	263298	4.61	ng/ul	94
39) Indeno(1,2,3-cd)pyrene	25.63	276	221924	3.35	ng/ul	100
40) Dibenzo(a,h)anthracene	25.64	278	64960	1.18	ng/ul#	72
41) Benzo(g,h,i)perylene	26.31	276	220682	3.89	ng/ul	97

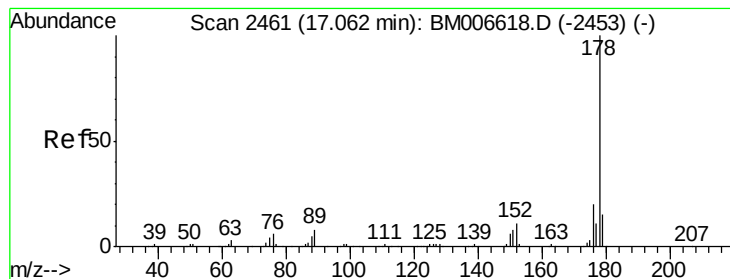
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 2.76 ng/ul

RT: 17.06 min Scan# 2461

Delta R.T. 0.00 min

Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

Instrument :

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ClientSampleId :

D9YQ3

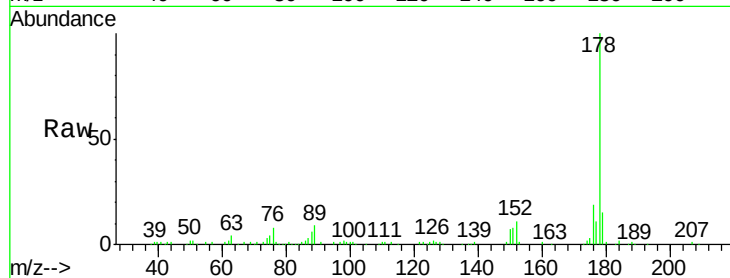
Tgt Ion:178 Resp: 140870

Ion Ratio Lower Upper

178 100

179 14.8 11.8 17.8

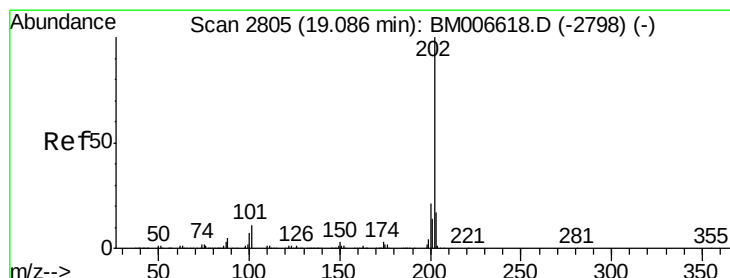
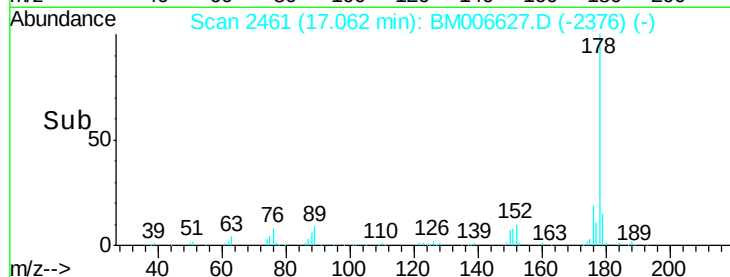
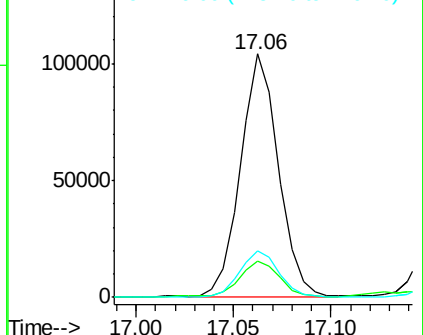
176 19.2 14.8 22.2



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: 7.84 ng/ul

RT: 19.09 min Scan# 2805

Delta R.T. 0.00 min

Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

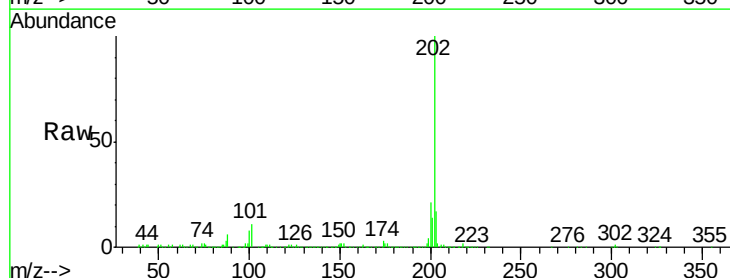
Tgt Ion:202 Resp: 470286

Ion Ratio Lower Upper

202 100

101 11.4 8.9 13.3

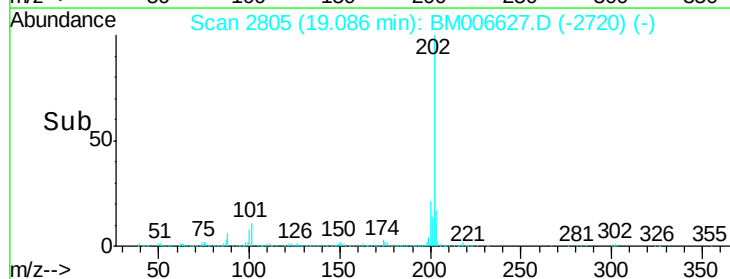
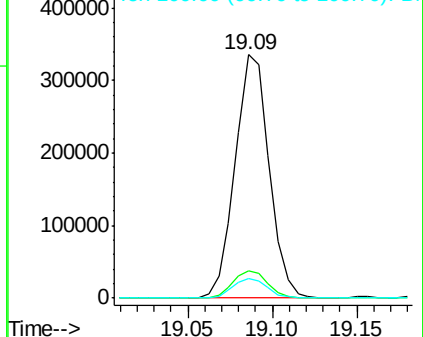
100 7.9 7.0 10.4

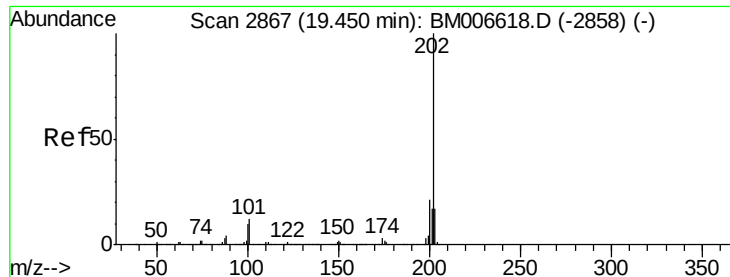


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

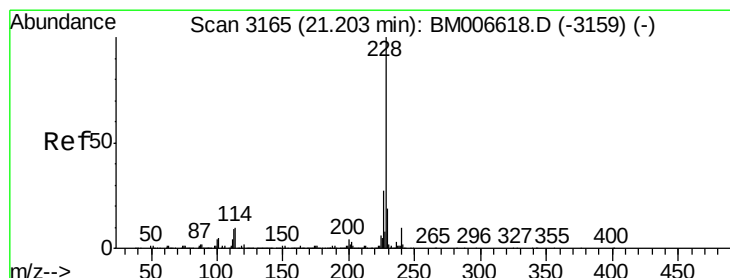
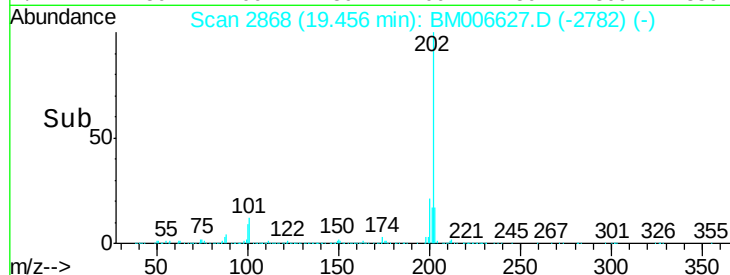
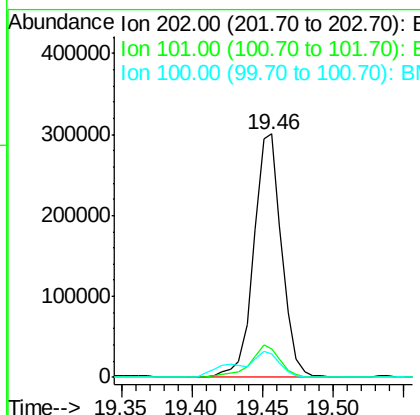
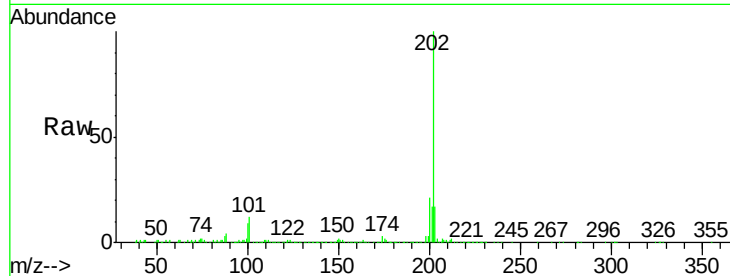




#31
 Pyrene
 Concen: 7.26 ng/ul
 RT: 19.46 min Scan# 2868
 Delta R.T. 0.01 min
 Lab File: BM006627.D
 Acq: 22 Jul 2016 16:04

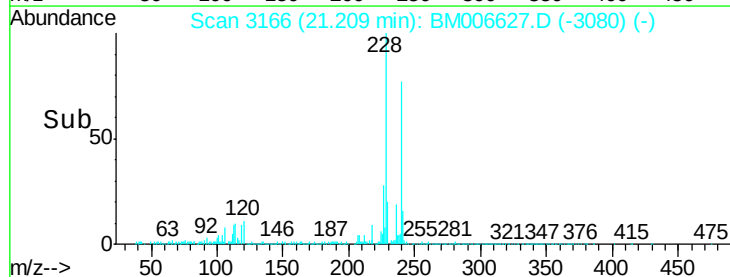
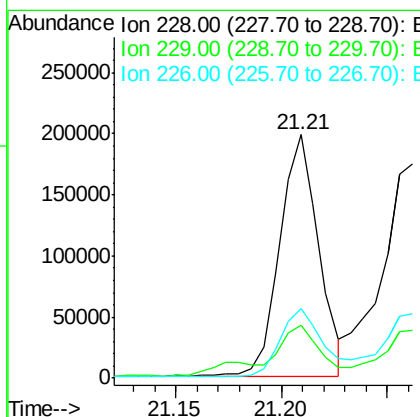
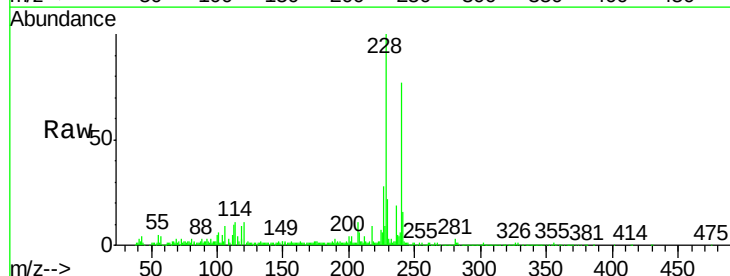
Instrument :
 BNA_M
 ClientSampleId :
 D9YQ3

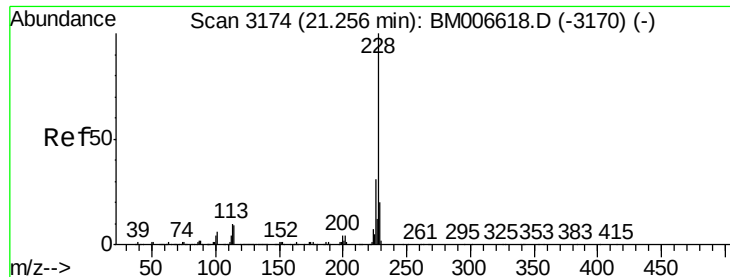
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.8	9.8	14.8
100	9.4	9.3	13.9



#32
 Benzo(a)anthracene
 Concen: 4.40 ng/ul
 RT: 21.21 min Scan# 3166
 Delta R.T. 0.01 min
 Lab File: BM006627.D
 Acq: 22 Jul 2016 16:04

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.7	16.6	25.0
226	28.4	21.0	31.4





#33

Chrysene

Concen: 5.06 ng/ul

RT: 21.26 min Scan# 3175

Delta R.T. 0.01 min

Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

Instrument :

BNA_M

ClientSampleId :

D9YQ3

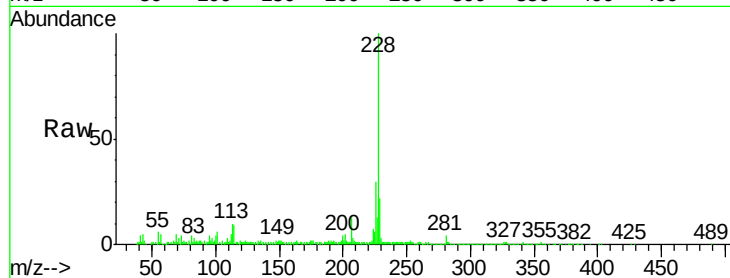
Tgt Ion:228 Resp: 267479

Ion Ratio Lower Upper

228 100

226 29.8 23.4 35.2

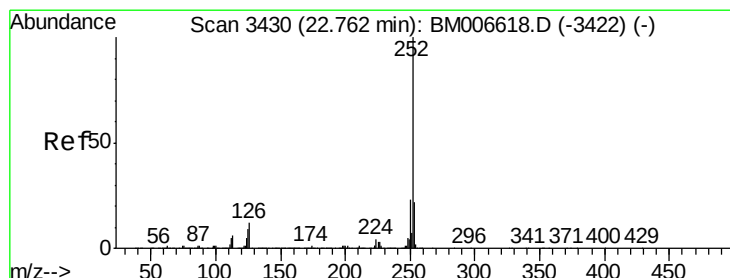
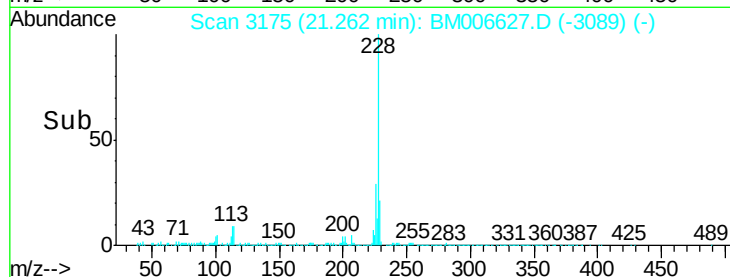
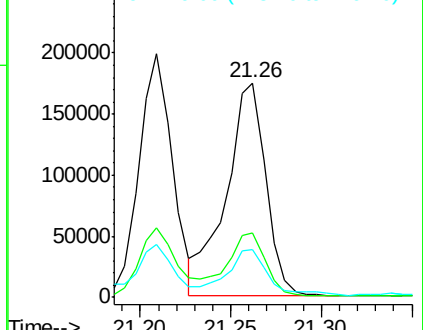
229 22.0 16.2 24.2



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: 6.61 ng/ul

RT: 22.77 min Scan# 3432

Delta R.T. 0.01 min

Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

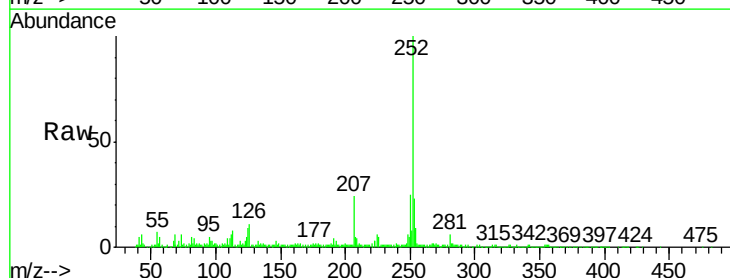
Tgt Ion:252 Resp: 388105

Ion Ratio Lower Upper

252 100

253 23.3 18.1 27.1

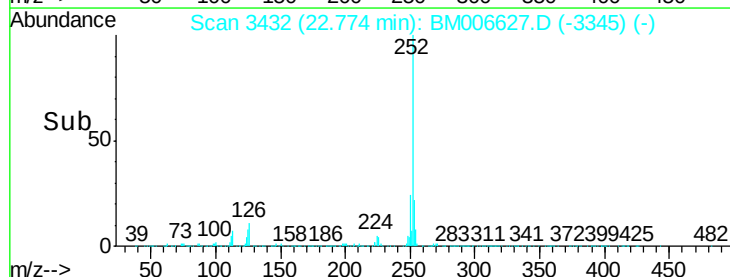
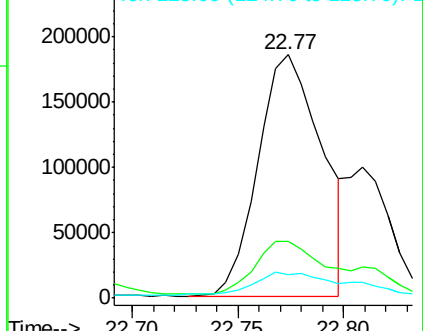
125 9.4 7.6 11.4

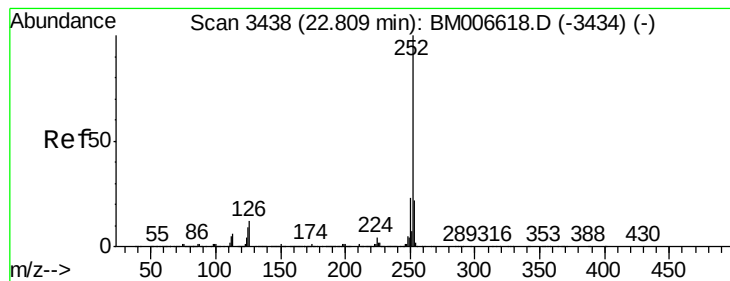


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 6.83 ng/ul

RT: 22.77 min Scan# 3432

Delta R.T. -0.04 min

Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

Instrument :

BNA_M

ClientSampleId :

D9YQ3

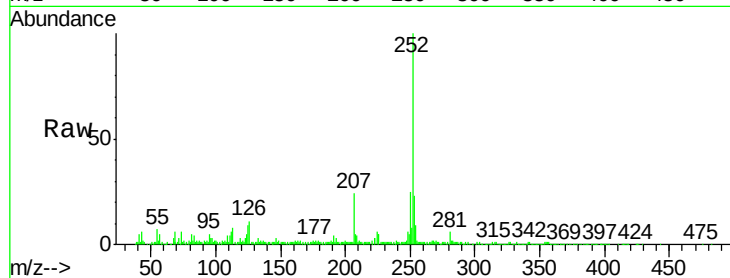
Tgt Ion:252 Resp: 388105

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

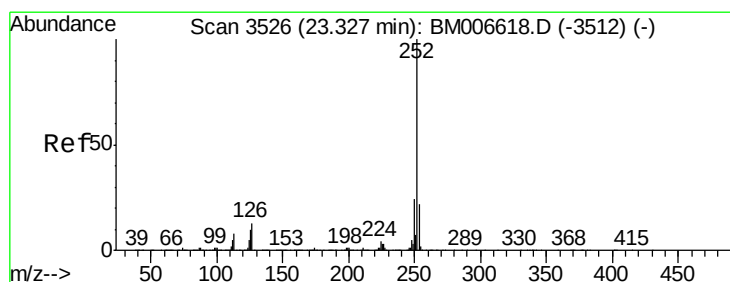
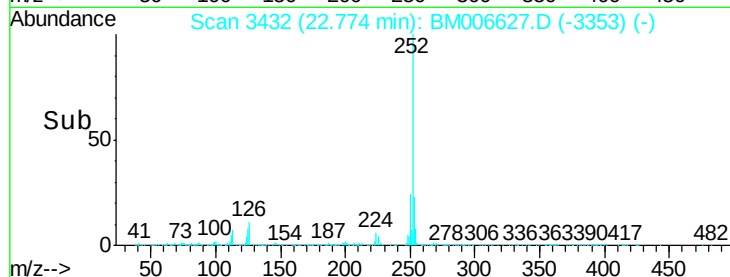
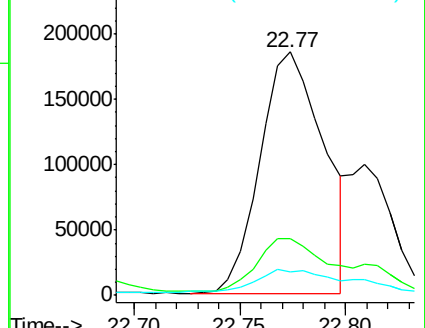
125 9.4 7.7 11.5



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: 4.61 ng/ul

RT: 23.33 min Scan# 3527

Delta R.T. 0.01 min

Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

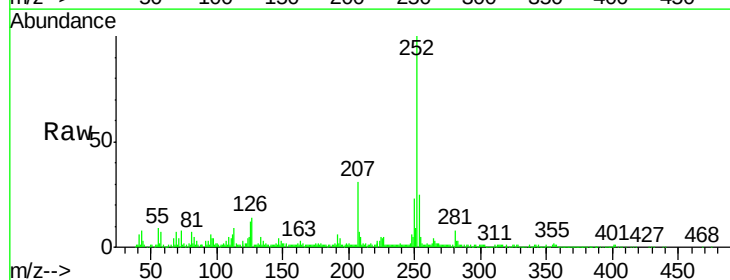
Tgt Ion:252 Resp: 263298

Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.0

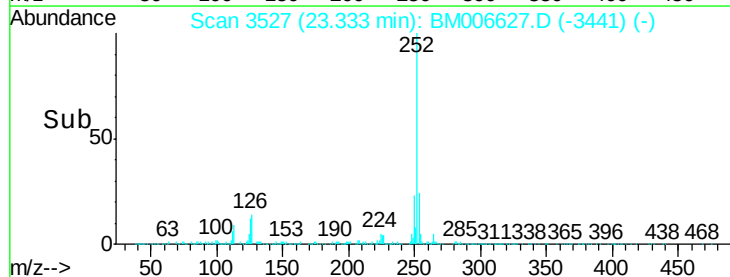
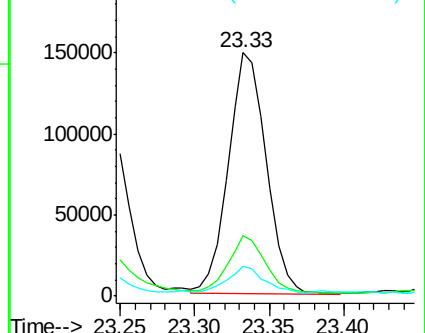
125 12.1 8.2 12.2

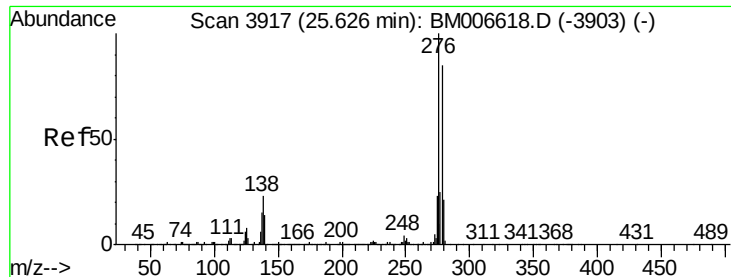


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.35 ng/ul

RT: 25.63 min Scan# 3918

Delta R.T. 0.01 min

Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

Instrument :

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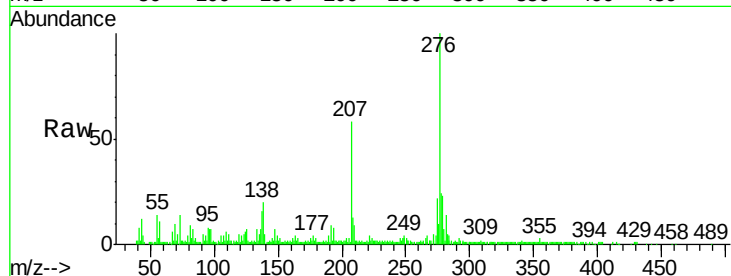
Tgt Ion:276 Resp: 221924

Ion Ratio Lower Upper

276 100

138 20.0 15.8 23.6

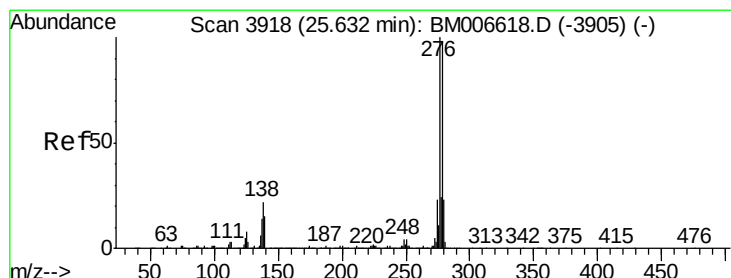
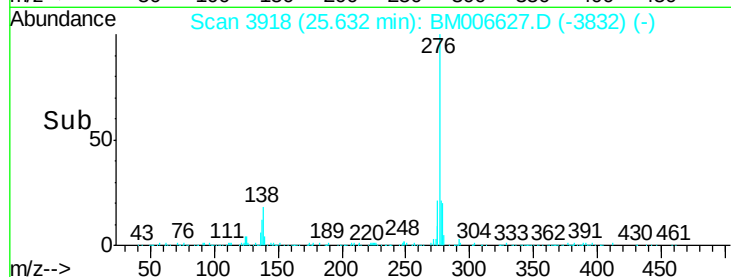
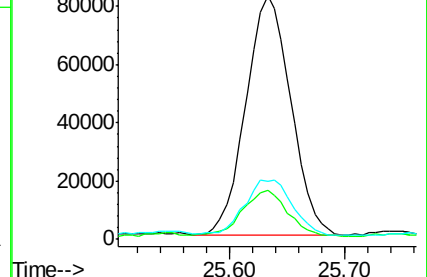
277 23.7 19.0 28.6



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



#40

Dibenzo(a,h)anthracene

Concen: 1.18 ng/ul

RT: 25.64 min Scan# 3919

Delta R.T. 0.01 min

Lab File: BM006627.D

Acq: 22 Jul 2016 16:04

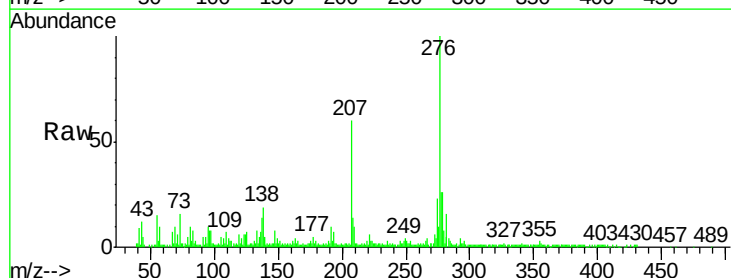
Tgt Ion:278 Resp: 64960

Ion Ratio Lower Upper

278 100

139 38.6 12.1 18.1#

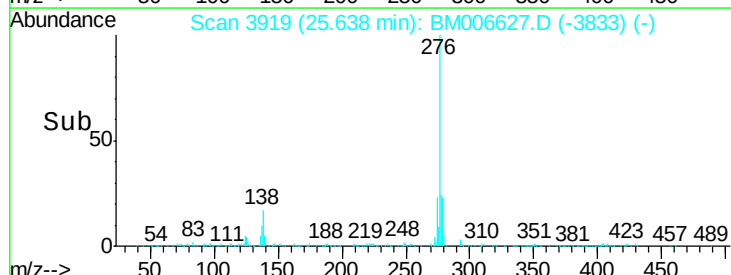
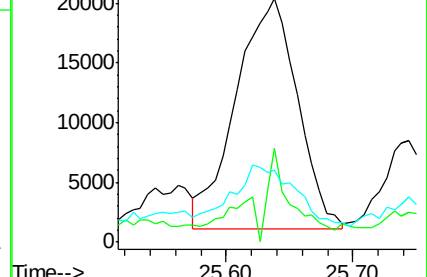
279 29.8 19.8 29.8#

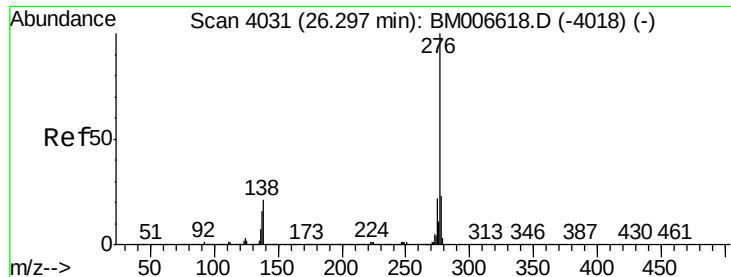


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.89 ng/ul

RT: 26.31 min Scan# 4034

Delta R.T. 0.02 min

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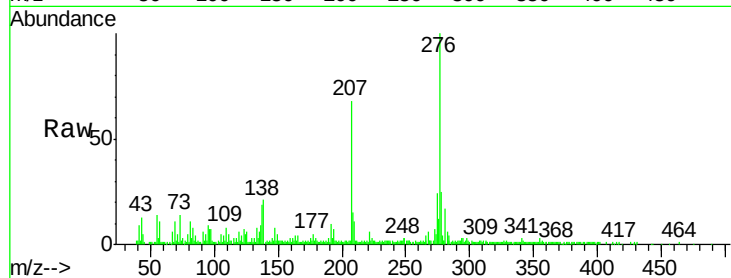
Tgt Ion: 276 Resp: 220682

Ion Ratio Lower Upper

276 100

138 20.8 13.9 20.9

277 24.9 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

