

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM072216\
 Data File : BM006624.D
 Acq On : 22 Jul 2016 14:11
 Operator : UM/SJ
 Sample : H4076-17
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9YQ0

Quant Time: Jul 23 00:17:35 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	177600	20.00	ng/ul	0.00
7) Naphthalene-d8	10.39	136	763264	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.27	164	420426	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.12	188	1155362	20.00	ng/ul	0.10
29) Chrysene-d12	21.22	240	991045	20.00	ng/ul	0.00
34) Perylene-d12	23.43	264	1024419	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.14	96	8452	1.92	ng/uL	0.00
3) Phenol-d5	6.80	99	379856	25.14	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.96	67	241041	25.75	ng/ul	0.00
5) 2-Chlorophenol-d4	7.15	132	298169	24.70	ng/ul	0.00
6) 4-Methylphenol-d8	8.33	113	288632	24.63	ng/ul	0.00
8) Nitrobenzene-d5	8.77	128	149660	25.90	ng/ul	0.00
9) 2-Nitrophenol-d4	9.49	143	156605	25.49	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.03	165	284362	24.49	ng/ul	0.00
12) 4-Chloroaniline-d4	10.54	131	260588	20.38	ng/ul	0.00
16) Dimethylphthalate-d6	13.68	166	826435	25.07	ng/ul	0.00
17) Acenaphthylene-d8	13.96	160	1126256	26.77	ng/ul	0.00
20) 4-Nitrophenol-d4	14.50	143	95218	16.63	ng/ul	0.00
21) Fluorene-d10	15.27	176	780087	26.46	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.50	200	270	0.05	ng/ul	0.10
26) Anthracene-d10	17.12	188	1155362	21.06	ng/ul	0.00
30) Pyrene-d10	19.42	212	1266836	28.05	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.29	264	1253918	26.61	ng/ul	0.00

Target Compounds

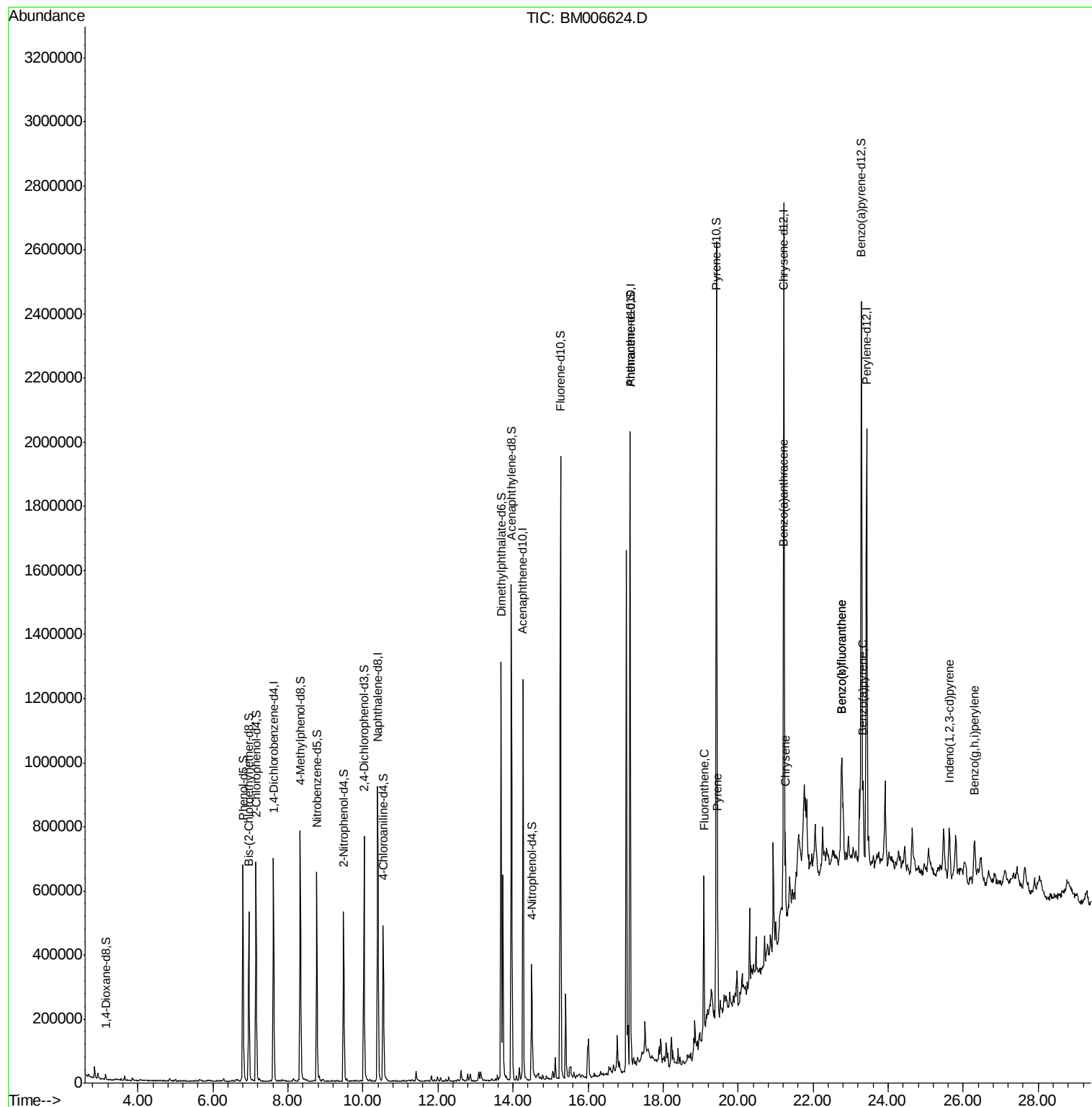
						Qvalue
28) Fluoranthene	19.09	202	276600	3.62	ng/ul	98
31) Pyrene	19.45	202	245996	4.10	ng/ul	96
32) Benzo(a)anthracene	21.20	228	162335	2.70	ng/ul	97
33) Chrysene	21.26	228	172093	3.11	ng/ul	98
35) Benzo(b)fluoranthene	22.77	252	261650	4.26	ng/ul	98
36) Benzo(k)fluoranthene	22.77	252	261650	4.41	ng/ul	97
38) Benzo(a)pyrene	23.33	252	171812	2.87	ng/ul	99
39) Indeno(1,2,3-cd)pyrene	25.63	276	144461	2.09	ng/ul	95
41) Benzo(g,h,i)perylene	26.31	276	163615	2.76	ng/ul#	94

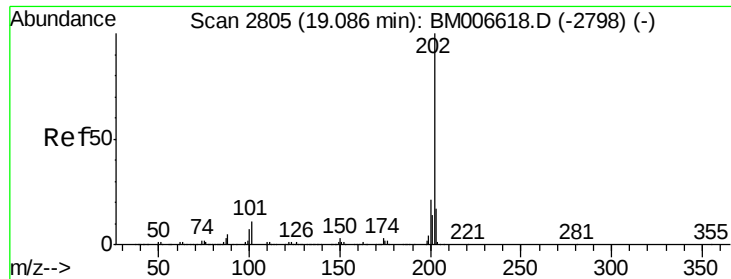
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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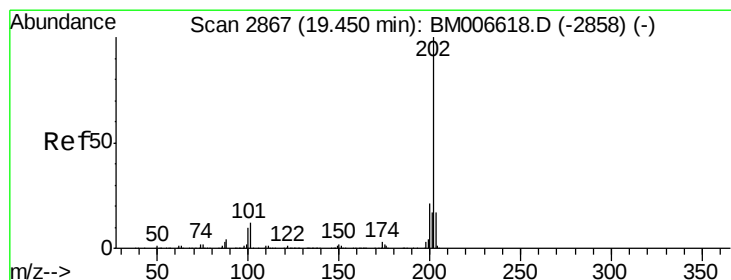
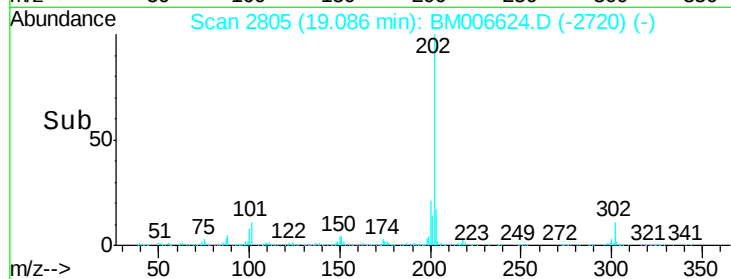
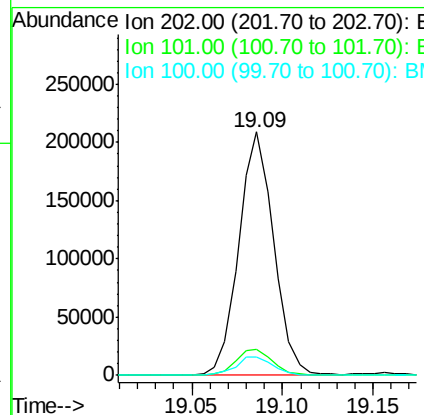
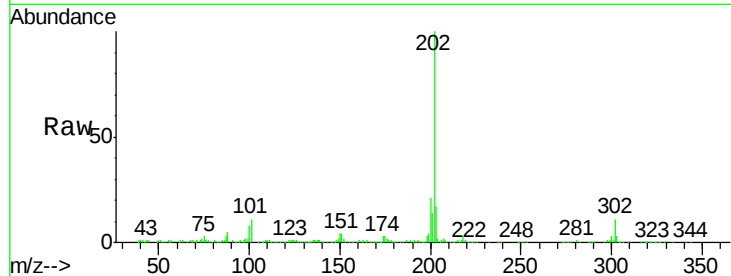




#28
Fluoranthene
 Concen: 3.62 ng/ul
 RT: 19.09 min Scan# 2805
 Delta R.T. 0.00 min
 Lab File: BM006624.D
 Acq: 22 Jul 2016 14:11

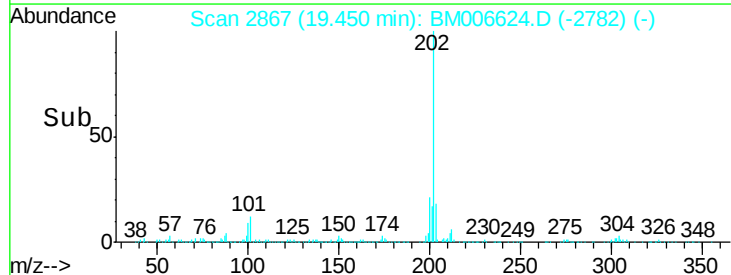
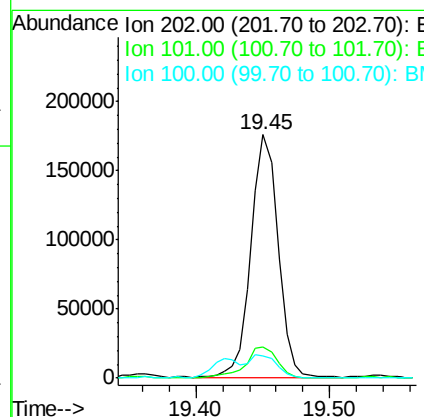
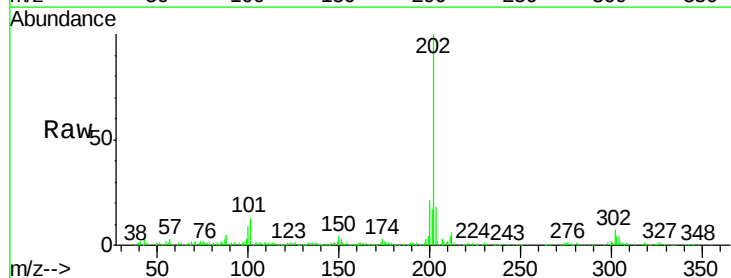
Instrument :
 BNA_M
 ClientSampleId :
 D9YQ0

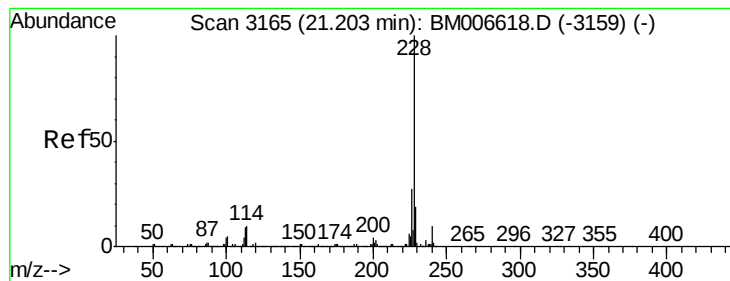
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	276600		
101	10.5		8.9	13.3
100	7.7		7.0	10.4



#31
Pyrene
 Concen: 4.10 ng/ul
 RT: 19.45 min Scan# 2867
 Delta R.T. 0.00 min
 Lab File: BM006624.D
 Acq: 22 Jul 2016 14:11

Tgt Ion	Ratio	Resp	Lower	Upper
202	100	245996		
101	12.8		9.8	14.8
100	9.3		9.3	13.9





#32

Benzo(a)anthracene

Concen: 2.70 ng/ul

RT: 21.20 min Scan# 3165

Delta R.T. 0.00 min

Lab File: BM006624.D

Acq: 22 Jul 2016 14:11

Instrument :

BNA_M

ClientSampleId :

D9YQ0

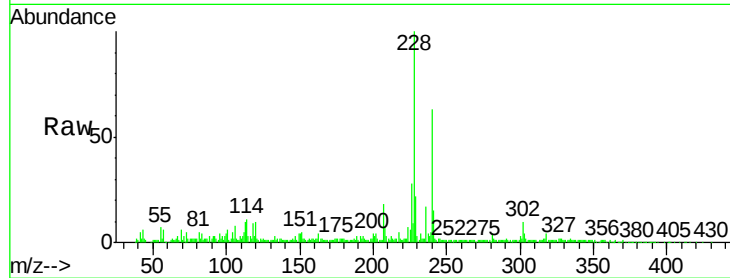
Tgt Ion:228 Resp: 162335

Ion Ratio Lower Upper

228 100

229 21.8 16.6 25.0

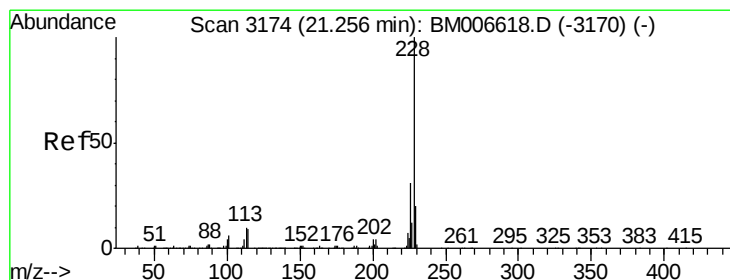
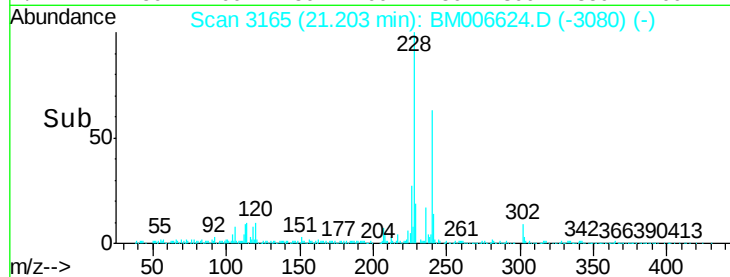
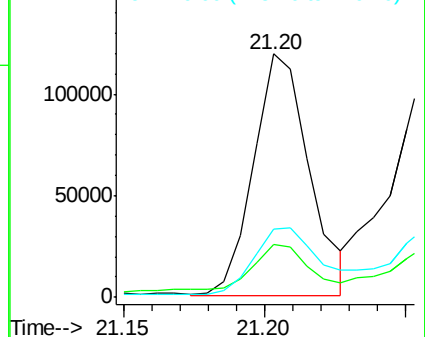
226 27.8 21.0 31.4



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: 3.11 ng/ul

RT: 21.26 min Scan# 3174

Delta R.T. 0.00 min

Lab File: BM006624.D

Acq: 22 Jul 2016 14:11

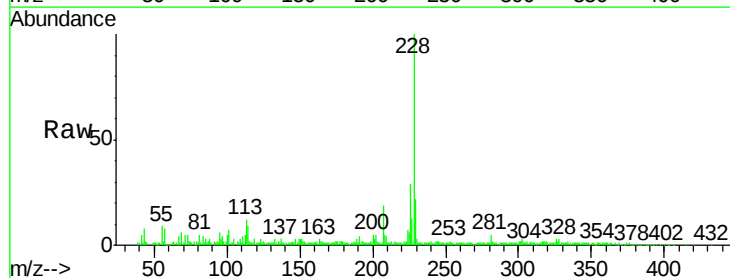
Tgt Ion:228 Resp: 172093

Ion Ratio Lower Upper

228 100

226 28.7 23.4 35.2

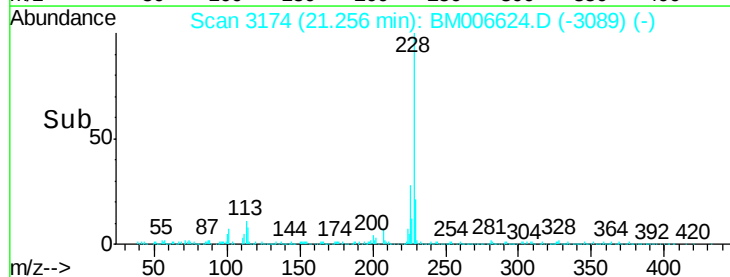
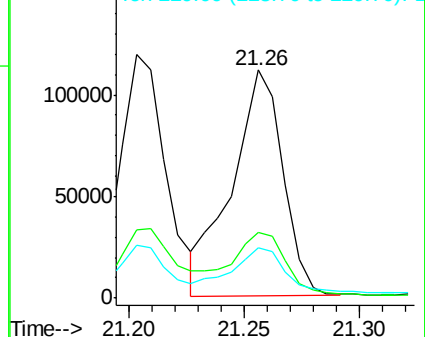
229 22.1 16.2 24.2

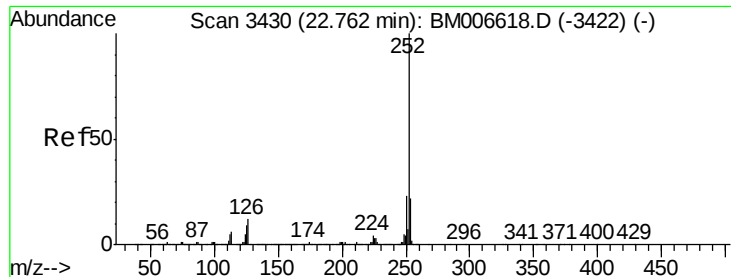


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

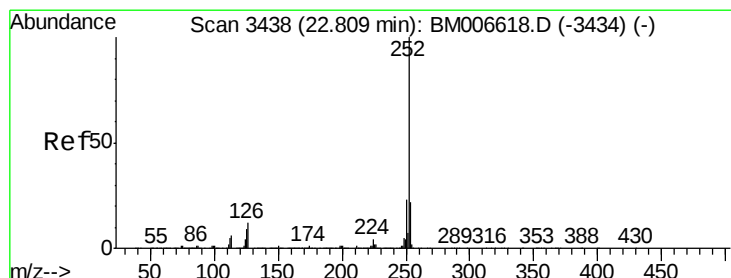
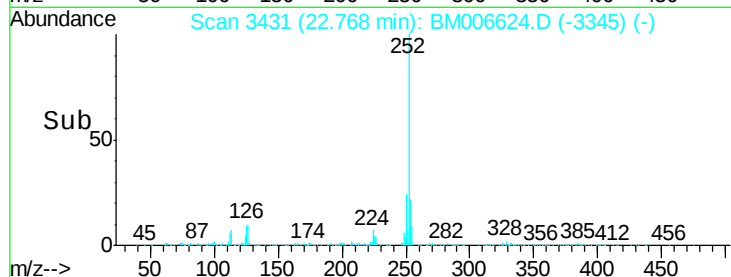
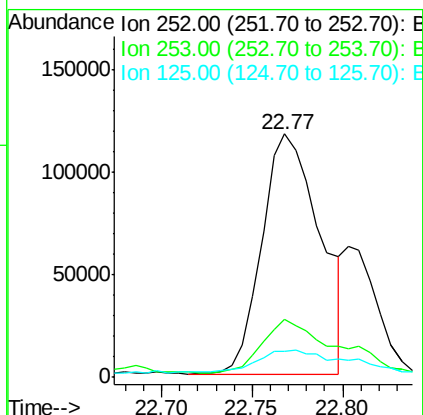
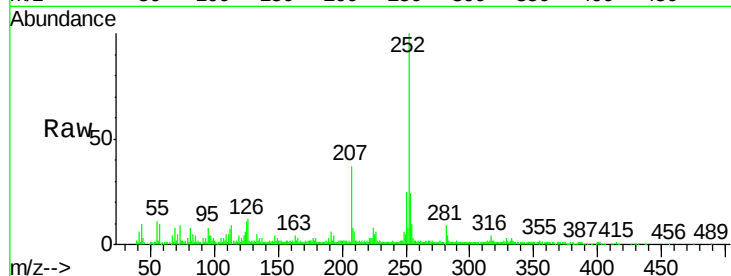




#35
Benzo(b)fluoranthene
Concen: 4.26 ng/ul
RT: 22.77 min Scan# 3431
Delta R.T. 0.01 min
Lab File: BM006624.D
Acq: 22 Jul 2016 14:11

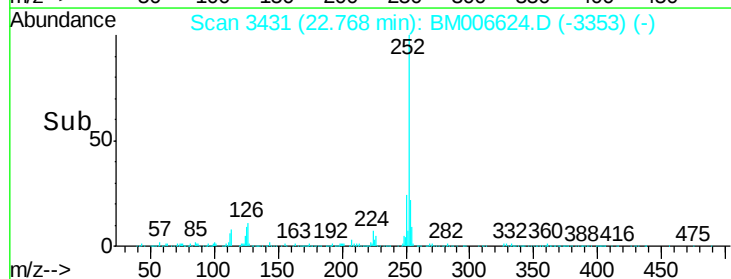
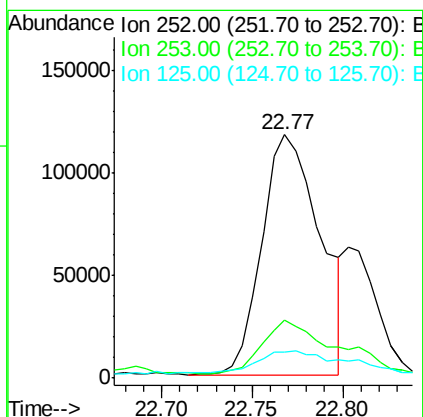
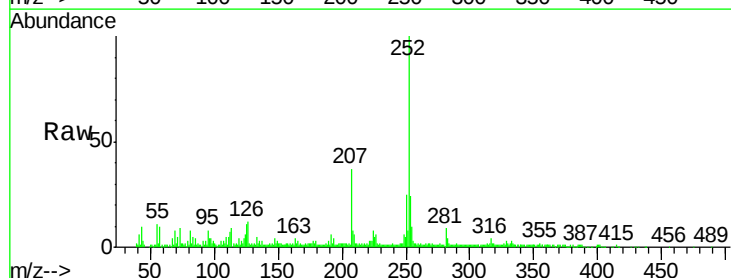
Instrument :
BNA_M
ClientSampleId :
D9YQ0

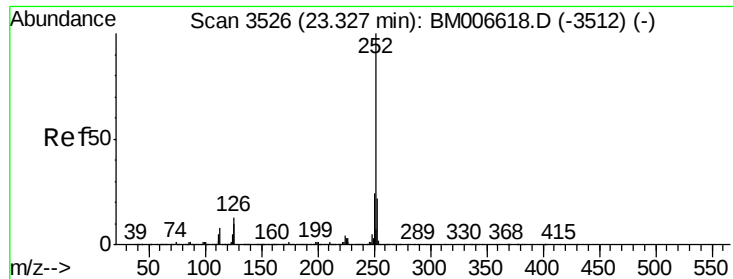
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	18.1	27.1
125	10.6	7.6	11.4



#36
Benzo(k)fluoranthene
Concen: 4.41 ng/ul
RT: 22.77 min Scan# 3431
Delta R.T. -0.04 min
Lab File: BM006624.D
Acq: 22 Jul 2016 14:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.8	26.8
125	10.6	7.7	11.5





#38

Benzo(a)pyrene

Concen: 2.87 ng/ul

RT: 23.33 min Scan# 3527

Delta R.T. 0.01 min

Lab File: BM006624.D

Acq: 22 Jul 2016 14:11

Instrument :

BNA_M

ClientSampleId :

D9YQ0

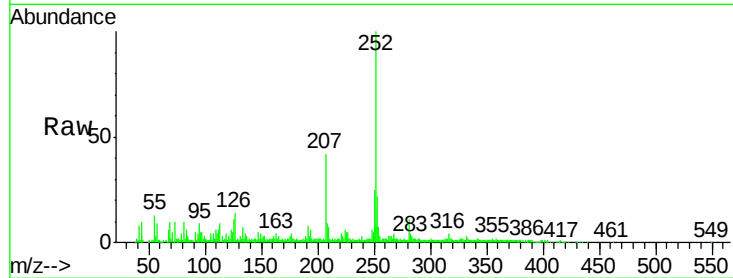
Tgt Ion:252 Resp: 171812

Ion Ratio Lower Upper

252 100

253 21.8 17.4 26.0

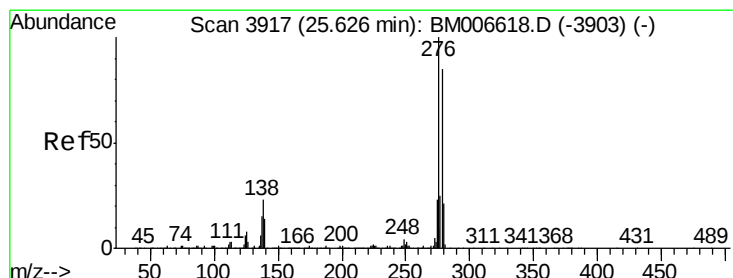
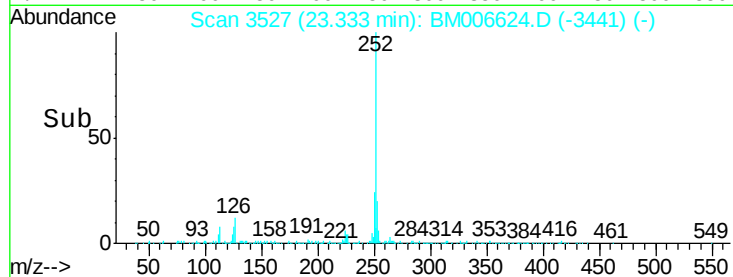
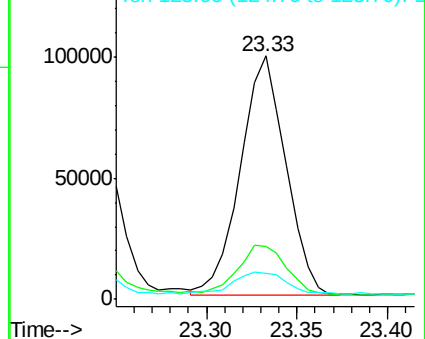
125 10.9 8.2 12.2



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: 2.09 ng/ul

RT: 25.63 min Scan# 3918

Delta R.T. 0.01 min

Lab File: BM006624.D

Acq: 22 Jul 2016 14:11

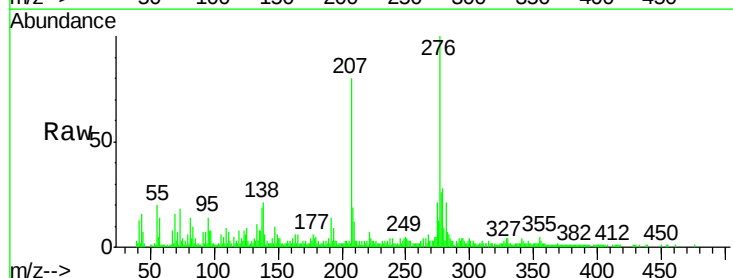
Tgt Ion:276 Resp: 144461

Ion Ratio Lower Upper

276 100

138 21.3 15.8 23.6

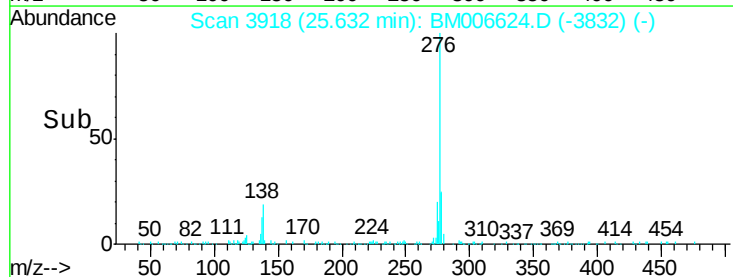
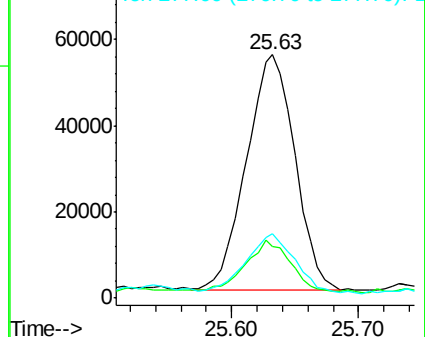
277 26.5 19.0 28.6

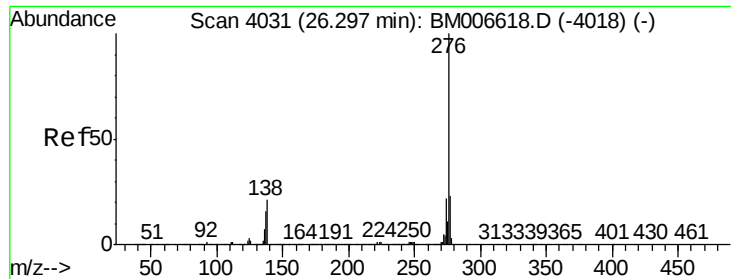


Abundance Ion 276.00 (275.70 to 276.70): E

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: 2.76 ng/ul

RT: 26.31 min Scan# 4033

Delta R.T. 0.01 min

Lab File: BM006624.D

Acq: 22 Jul 2016 14:11

Instrument :

BNA_M

ClientSampleId :

D9YQ0

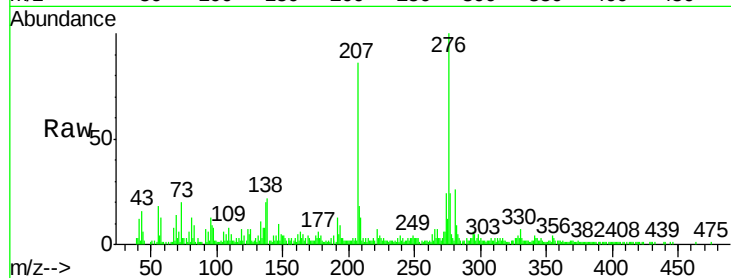
Tgt Ion: 276 Resp: 163615

Ion Ratio Lower Upper

276 100

138 22.4 13.9 20.9#

277 23.7 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

