

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM073116\
 Data File : BM006800.D
 Acq On : 31 Jul 2016 22:17
 Operator : UM/SJ
 Sample : H4188-17
 Misc :
 ALS Vial : 68 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9ZP3

Quant Time: Aug 01 07:47:20 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM072016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sat Jul 30 01:37:26 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.60	152	257500	20.00	ng/ul	0.00
7) Naphthalene-d8	10.38	136	1116653	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.26	164	611271	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.01	188	1349034	20.00	ng/ul	0.00
29) Chrysene-d12	21.22	240	1441190	20.00	ng/ul	0.00
34) Perylene-d12	23.42	264	1518812	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.13	96	5805	0.91	ng/uL	0.00
3) Phenol-d5	6.79	99	281003	12.83	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	6.95	67	182145	13.42	ng/ul	0.00
5) 2-Chlorophenol-d4	7.14	132	222226	12.70	ng/ul	0.00
6) 4-Methylphenol-d8	8.32	113	215008	12.65	ng/ul	0.00
8) Nitrobenzene-d5	8.76	128	111070	13.14	ng/ul	0.00
9) 2-Nitrophenol-d4	9.47	143	128178	14.26	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.02	165	224101	13.19	ng/ul	0.00
12) 4-Chloroaniline-d4	10.53	131	236247	12.63	ng/ul	0.00
16) Dimethylphthalate-d6	13.67	166	704906	14.71	ng/ul	0.00
17) Acenaphthylene-d8	13.95	160	895671	14.64	ng/ul	0.00
20) 4-Nitrophenol-d4	14.49	143	108207	13.00	ng/ul	0.00
21) Fluorene-d10	15.26	176	625499	14.59	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.40	200	81606	11.65	ng/ul	0.00
26) Anthracene-d10	17.11	188	958600	14.97	ng/ul	0.00
30) Pyrene-d10	19.42	212	1072248	16.33	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.28	264	1059426	15.16	ng/ul	0.00

Target Compounds

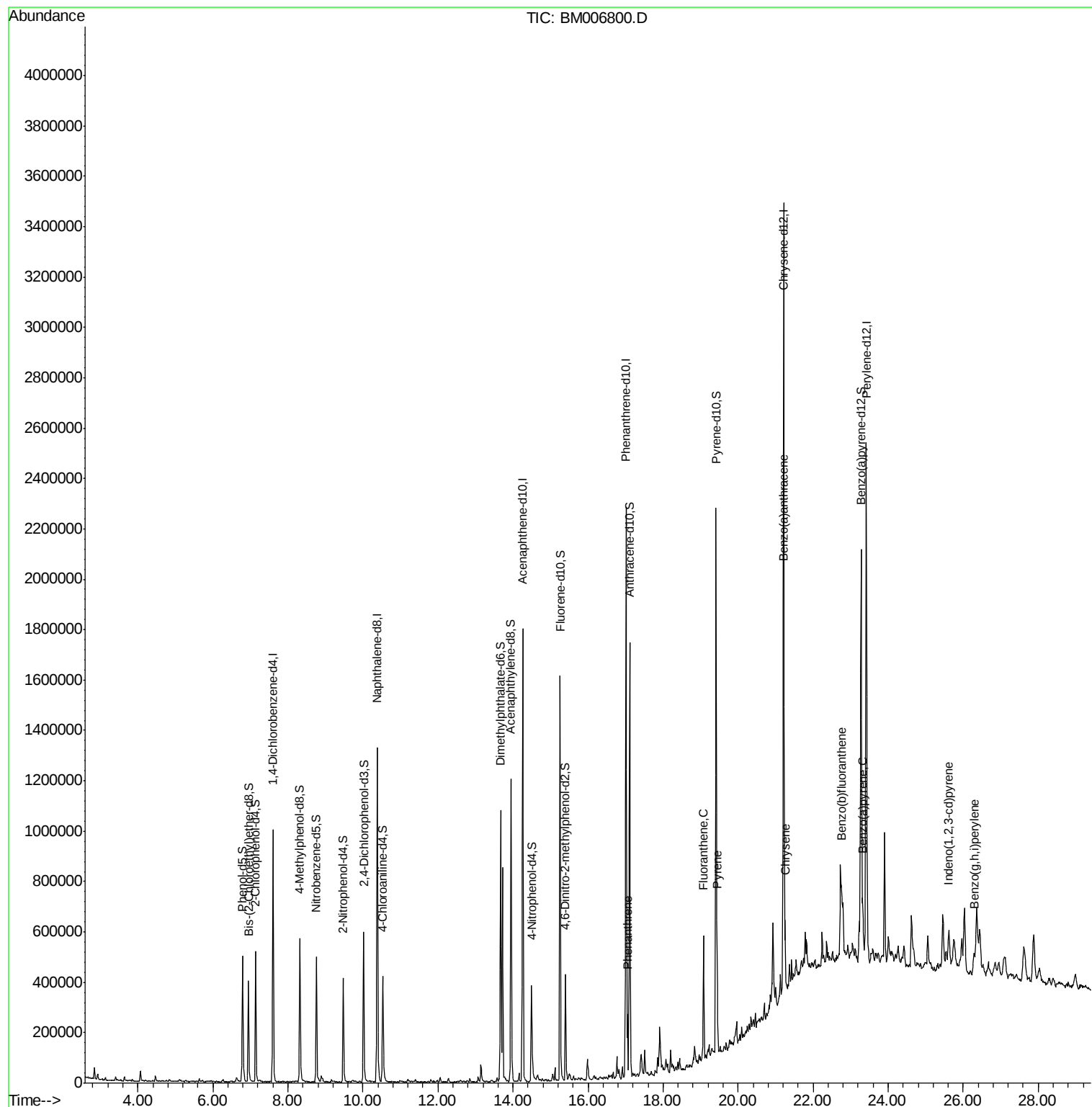
						Qvalue
25) Phenanthrene	17.05	178	143241	1.89	ng/ul	97
28) Fluoranthene	19.07	202	293743	3.30	ng/ul	98
31) Pyrene	19.44	202	240010	2.75	ng/ul#	95
32) Benzo(a)anthracene	21.20	228	119012	1.36	ng/ul	96
33) Chrysene	21.25	228	147957	1.84	ng/ul	97
35) Benzo(b)fluoranthene	22.76	252	227931	2.50	ng/ul	99
38) Benzo(a)pyrene	23.32	252	137657	1.55	ng/ul#	92
39) Indeno(1,2,3-cd)pyrene	25.61	276	115320	1.12	ng/ul#	93
41) Benzo(g,h,i)perylene	26.30	276	94959	1.08	ng/ul#	93

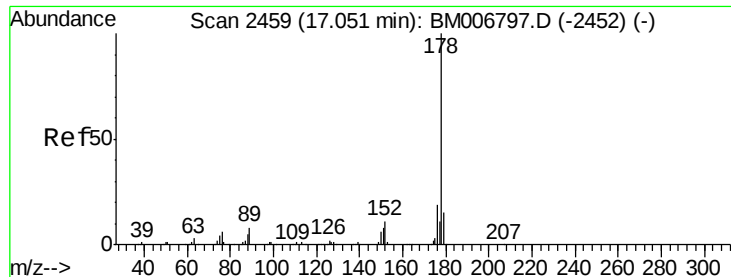
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#25

Phenanthrene

Concen: 1.89 ng/ul

RT: 17.05 min Scan# 2459

Delta R.T. 0.00 min

Lab File: BM006800.D

Acq: 31 Jul 2016 22:17

Instrument :

BNA_M

ClientSampleId :

D9ZP3

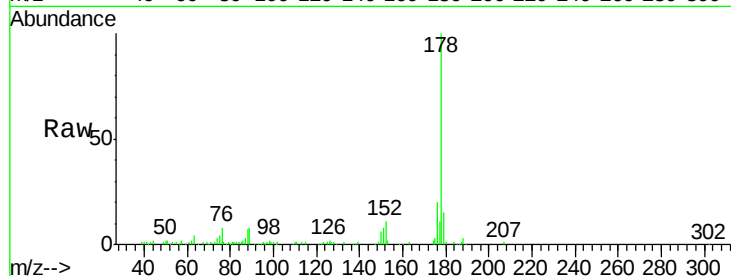
Tgt Ion:178 Resp: 143241

Ion Ratio Lower Upper

178 100

179 15.5 11.8 17.8

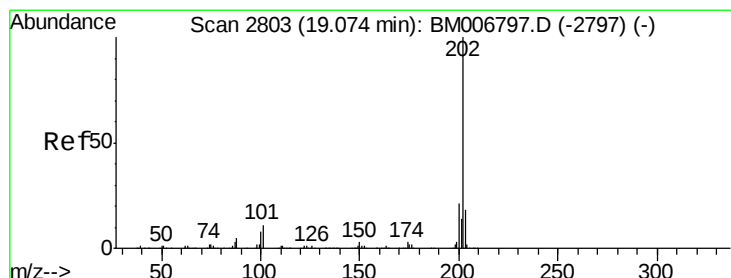
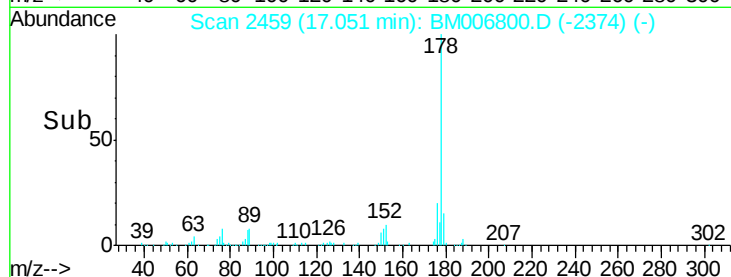
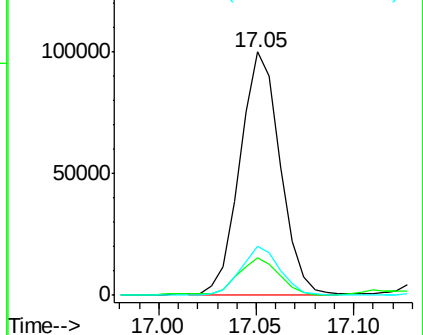
176 20.0 14.8 22.2



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: 3.30 ng/ul

RT: 19.07 min Scan# 2803

Delta R.T. -0.01 min

Lab File: BM006800.D

Acq: 31 Jul 2016 22:17

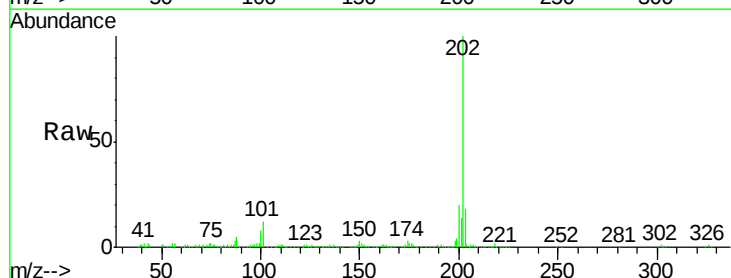
Tgt Ion:202 Resp: 293743

Ion Ratio Lower Upper

202 100

101 11.7 8.9 13.3

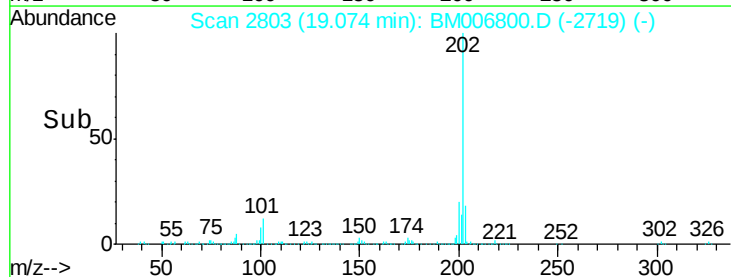
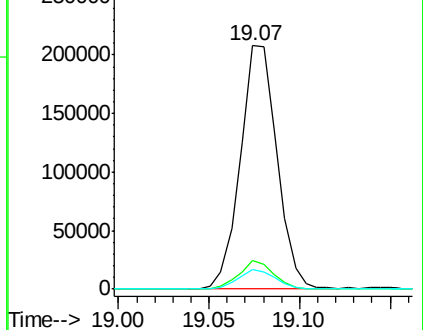
100 7.9 7.0 10.4

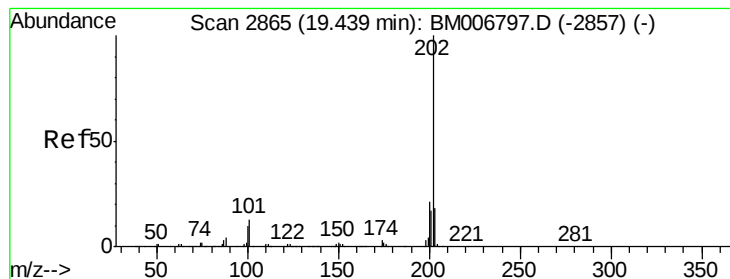


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

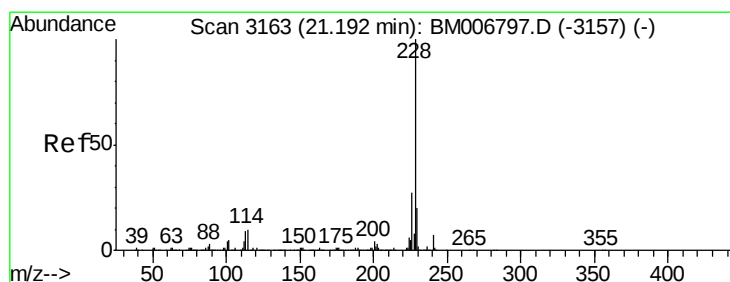
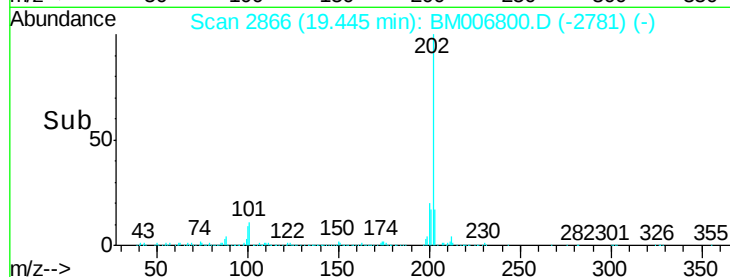
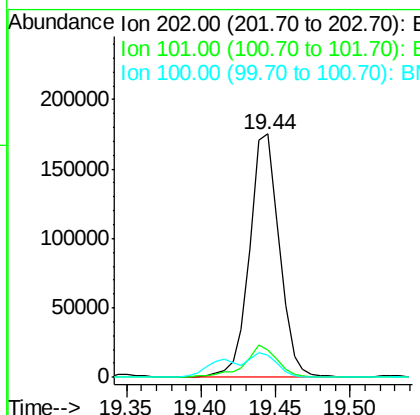
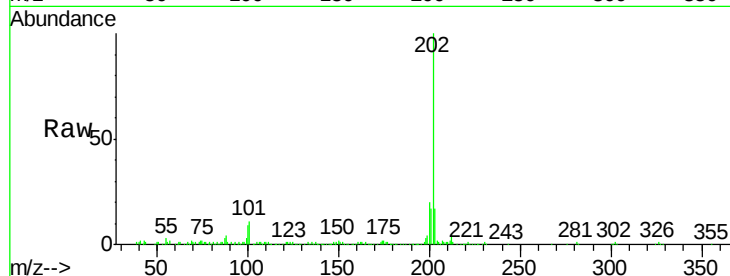




#31
 Pyrene
 Concen: 2.75 ng/ul
 RT: 19.44 min Scan# 2866
 Delta R.T. 0.00 min
 Lab File: BM006800.D
 Acq: 31 Jul 2016 22:17

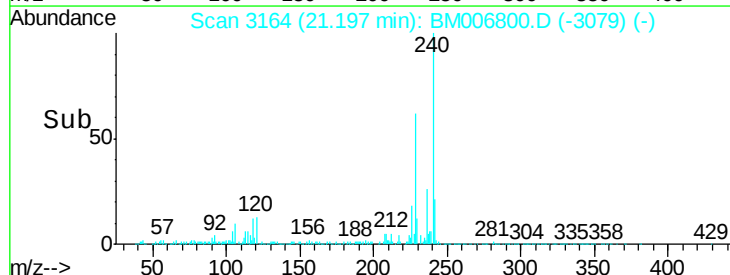
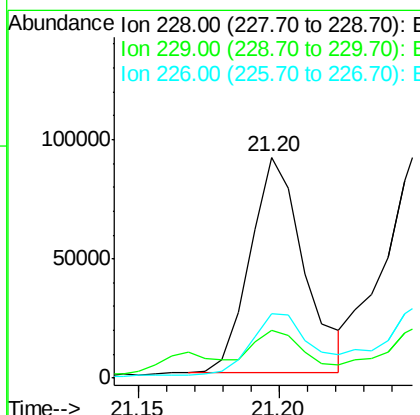
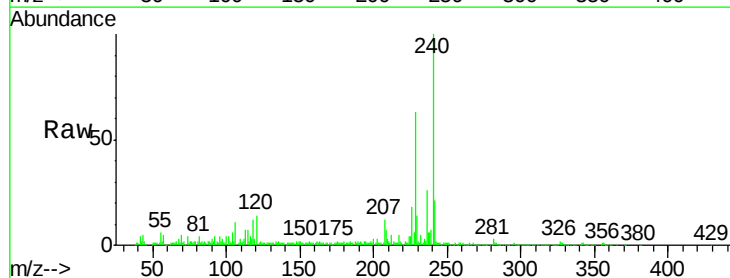
Instrument :
 BNA_M
 ClientSampleId :
 D9ZP3

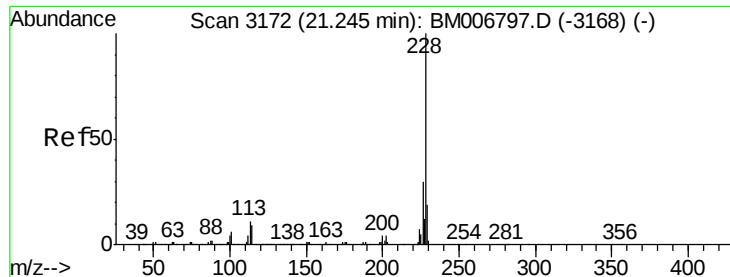
Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	9.8	14.8
100	9.0	9.3	13.9#



#32
 Benzo(a)anthracene
 Concen: 1.36 ng/ul
 RT: 21.20 min Scan# 3164
 Delta R.T. 0.00 min
 Lab File: BM006800.D
 Acq: 31 Jul 2016 22:17

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.6	16.6	25.0
226	29.3	21.0	31.4





#33

Chrysene

Concen: 1.84 ng/ul

RT: 21.25 min Scan# 3173

Delta R.T. 0.00 min

Lab File: BM006800.D

Acq: 31 Jul 2016 22:17

Instrument :

BNA_M

ClientSampleId :

D9ZP3

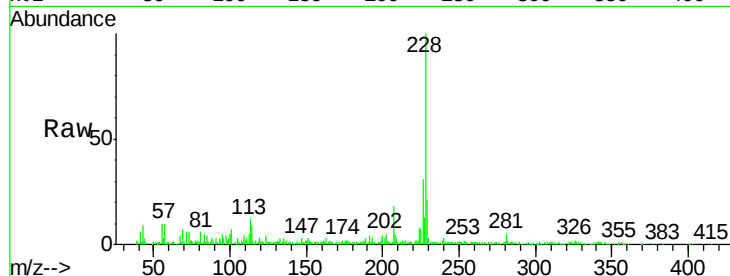
Tgt Ion:228 Resp: 147957

Ion Ratio Lower Upper

228 100

226 31.1 23.4 35.2

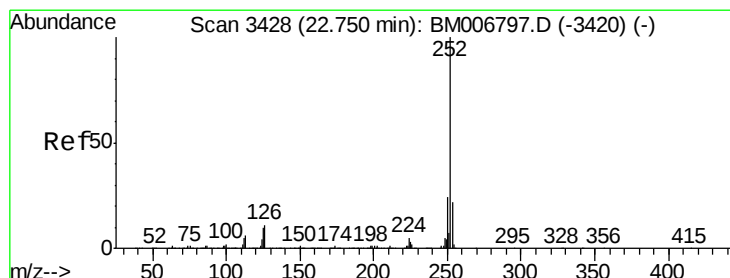
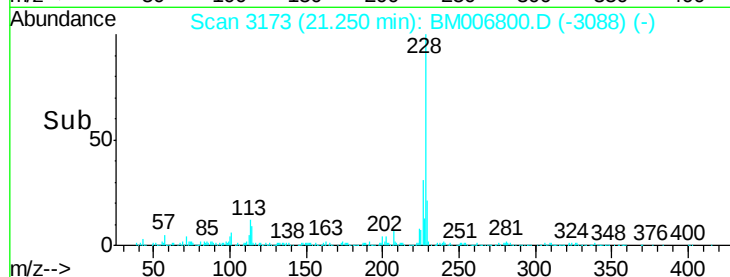
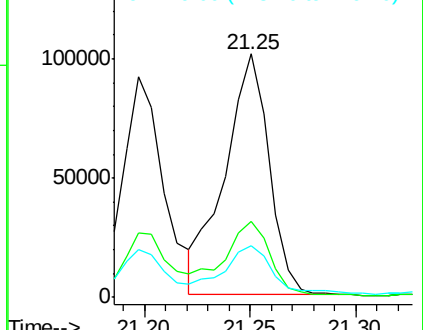
229 21.5 16.2 24.2



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: 2.50 ng/ul

RT: 22.76 min Scan# 3429

Delta R.T. 0.00 min

Lab File: BM006800.D

Acq: 31 Jul 2016 22:17

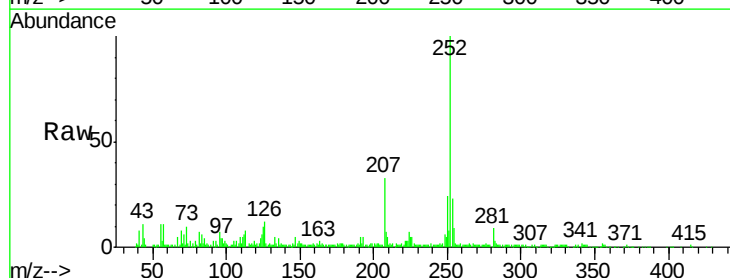
Tgt Ion:252 Resp: 227931

Ion Ratio Lower Upper

252 100

253 22.9 18.1 27.1

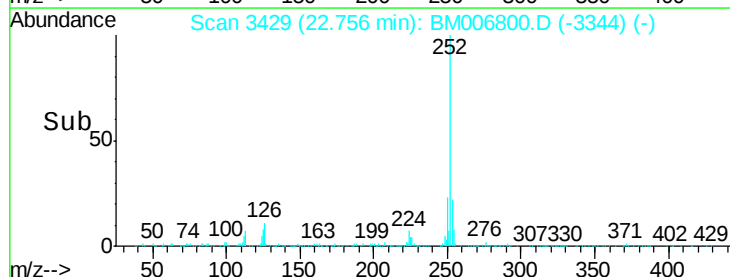
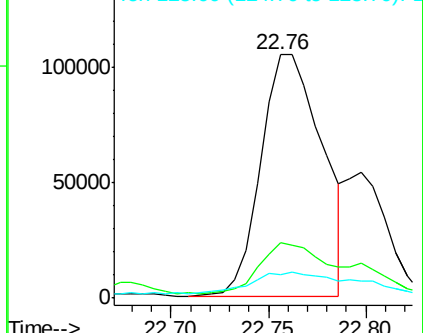
125 9.8 7.6 11.4

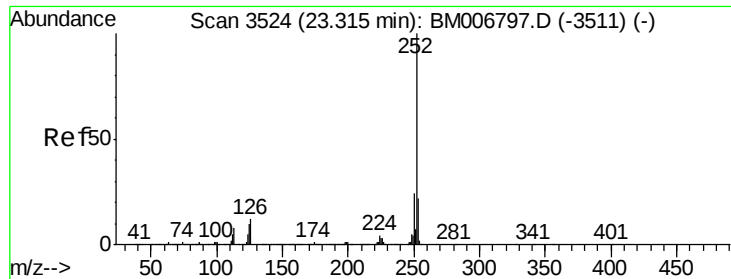


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#38

Benzo(a)pyrene

Concen: 1.55 ng/ul

RT: 23.32 min Scan# 3525

Delta R.T. 0.00 min

Lab File: BM006800.D

Acq: 31 Jul 2016 22:17

Instrument :

BNA_M

ClientSampleId :

D9ZP3

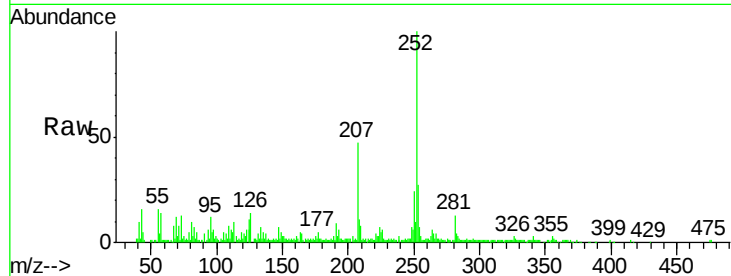
Tgt Ion:252 Resp: 137657

Ion Ratio Lower Upper

252 100

253 26.6 17.4 26.0#

125 11.1 8.2 12.2

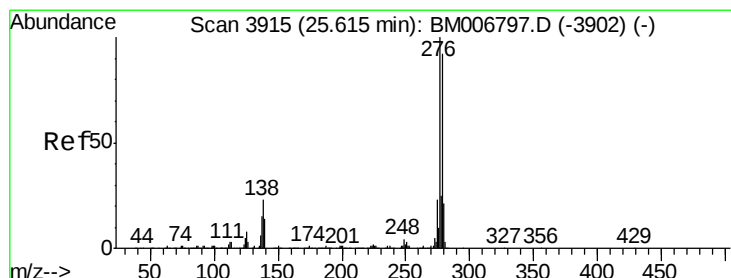
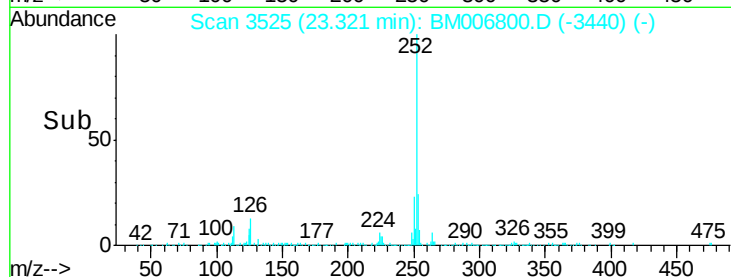
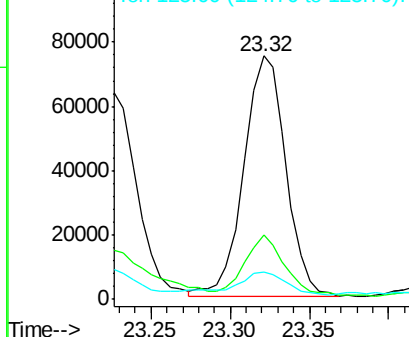


Abundance

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: 1.12 ng/ul

RT: 25.61 min Scan# 3915

Delta R.T. -0.01 min

Lab File: BM006800.D

Acq: 31 Jul 2016 22:17

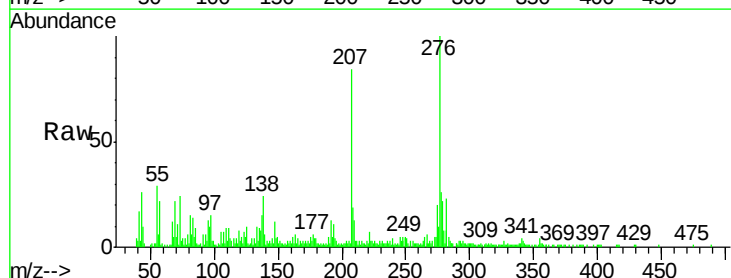
Tgt Ion:276 Resp: 115320

Ion Ratio Lower Upper

276 100

138 24.4 15.8 23.6#

277 26.1 19.0 28.6

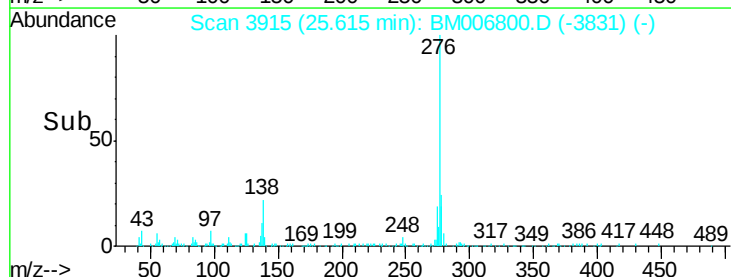
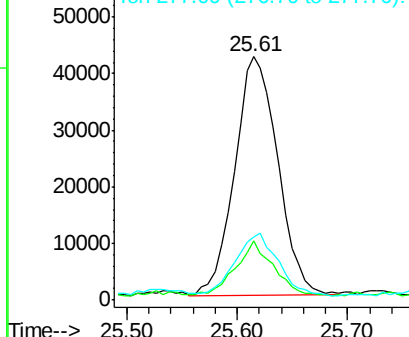


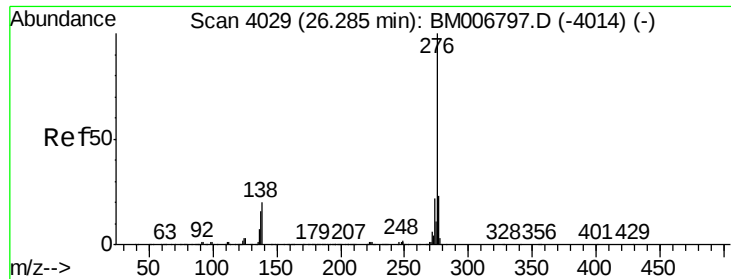
Abundance

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: 1.08 ng/ul

RT: 26.30 min Scan# 4031

Delta R.T. 0.01 min

Lab File: BM006800.D

Acq: 31 Jul 2016 22:17

Instrument :

BNA_M

ClientSampleId :

D9ZP3

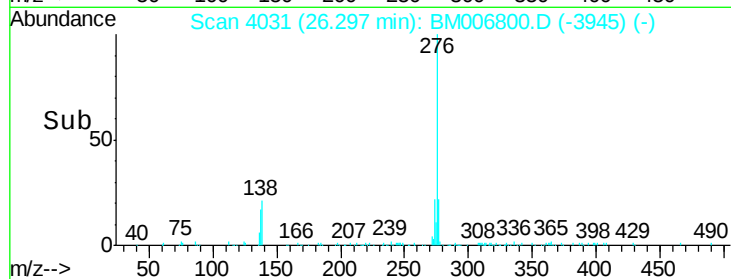
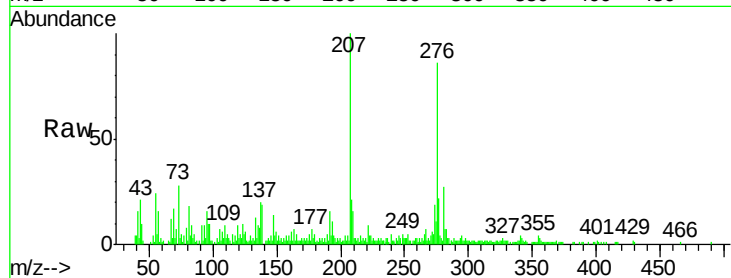
Tgt Ion: 276 Resp: 94959

Ion Ratio Lower Upper

276 100

138 22.6 13.9 20.9#

277 26.1 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

