

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060716\
 Data File : BM005701.D
 Acq On : 07 Jun 2016 20:25
 Operator : UM/SJ
 Sample : H3411-09
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XQ7

Quant Time: Jun 08 01:26:23 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Jun 08 01:24:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	125344	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	604203	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	343892	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	743466	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	577426	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	480339	20.00	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	2946	0.99	ng/uL	0.00
3) Phenol-d5	6.93	99	114920	10.43	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	87478	13.05	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	108179	11.90	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	76397	8.77	ng/ul	0.00
8) Nitrobenzene-d5	8.91	128	58713	12.65	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	63998	12.89	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	101693	11.53	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	117902	11.25	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	351830	13.31	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	454104	13.21	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	15715	4.15	ng/ul	0.00
21) Fluorene-d10	15.39	176	319414	14.07	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	11918	3.40	ng/ul	0.00
26) Anthracene-d10	17.24	188	463950	13.14	ng/ul	0.00
30) Pyrene-d10	19.54	212	457113	15.75	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	285056	12.90	ng/ul	0.00

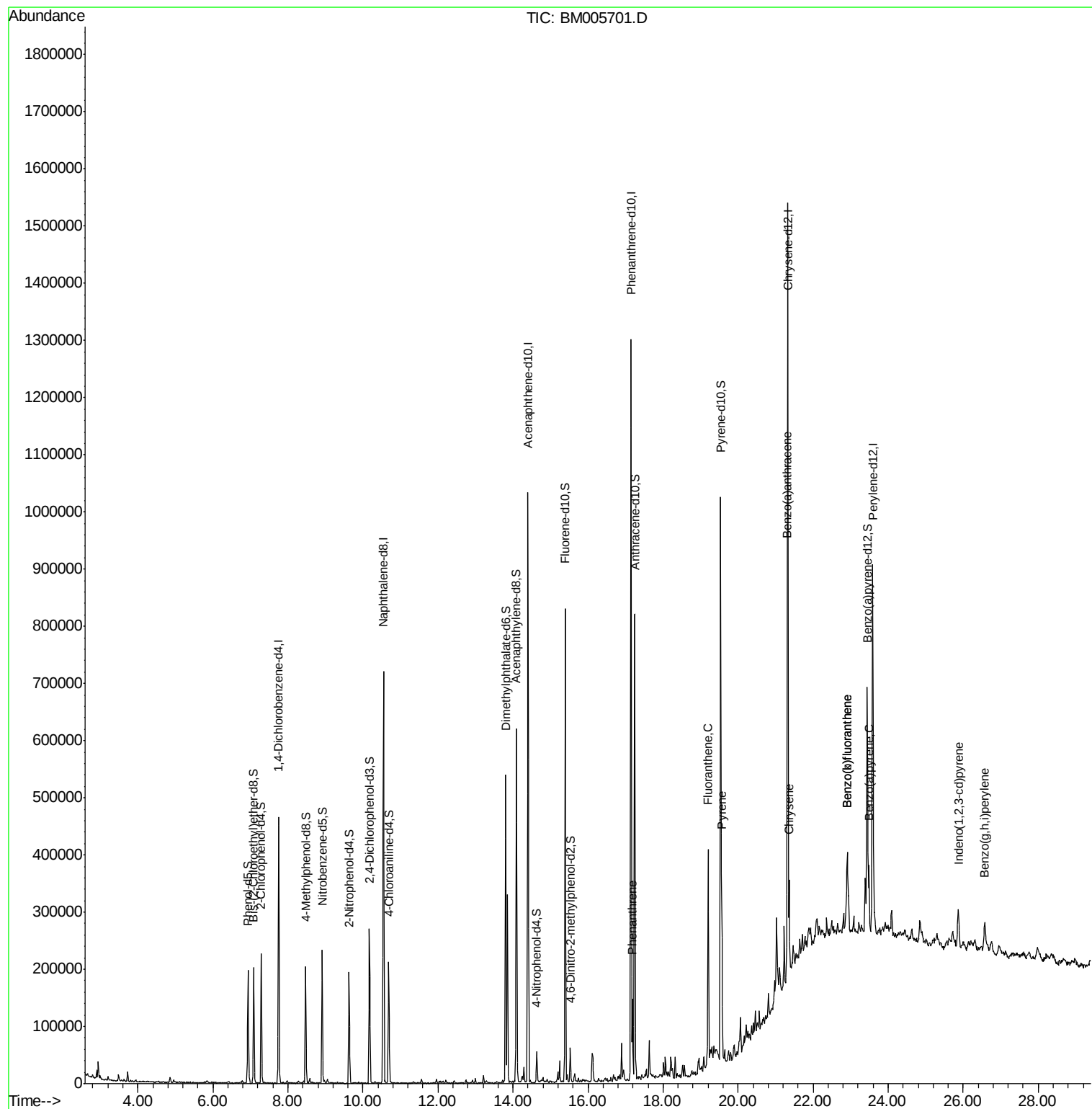
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Phenanthrene	17.19	178	80014	1.95	ng/ul	98
28) Fluoranthene	19.20	202	216239	5.16	ng/ul	98
31) Pyrene	19.57	202	193224	5.30	ng/ul	97
32) Benzo(a)anthracene	21.31	228	91191	2.69	ng/ul	96
33) Chrysene	21.36	228	90514	2.83	ng/ul	96
35) Benzo(b)fluoranthene	22.91	252	122849	4.24	ng/ul#	94
36) Benzo(k)fluoranthene	22.91	252	122849	4.52	ng/ul#	94
38) Benzo(a)pyrene	23.49	252	79154	2.84	ng/ul#	95
39) Indeno(1,2,3-cd)pyrene	25.87	276	64346	1.95	ng/ul	94
41) Benzo(g,h,i)perylene	26.57	276	63802	2.31	ng/ul#	92

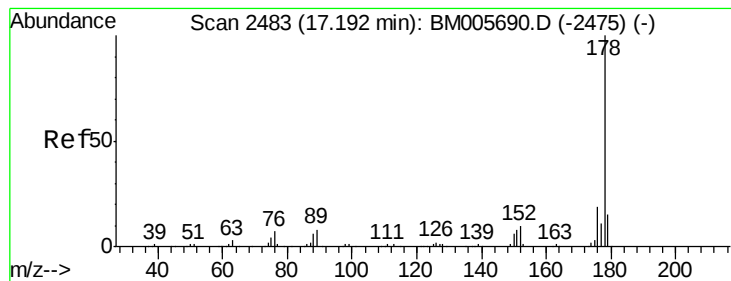
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 1.95 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. -0.01 min

Lab File: BM005701.D

Acq: 07 Jun 2016 20:25

Instrument :

BNA_M

ClientSampleId :

D9XQ7

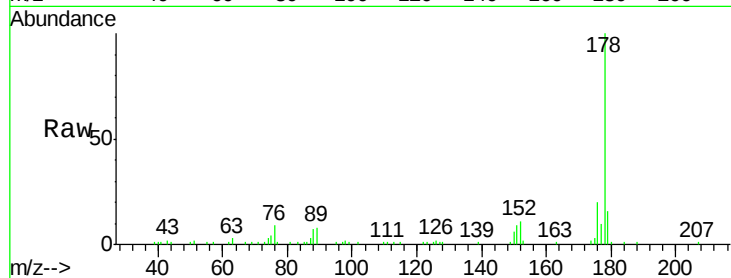
Tgt Ion:178 Resp: 80014

Ion Ratio Lower Upper

178 100

179 15.6 11.8 17.8

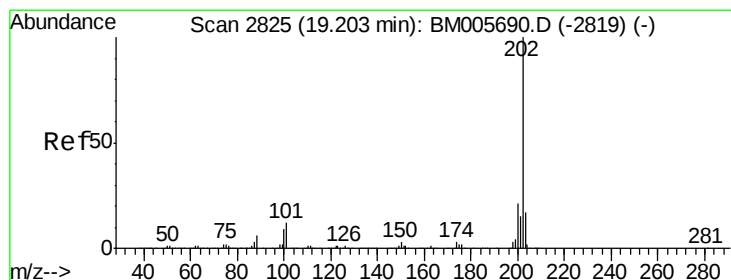
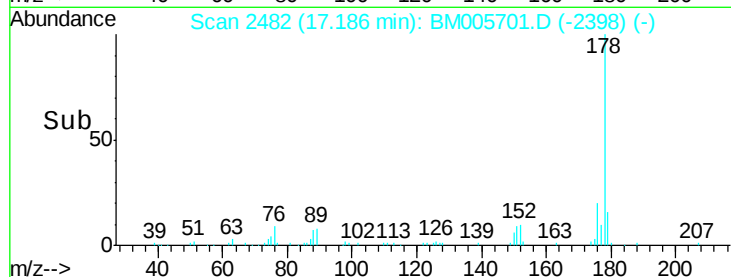
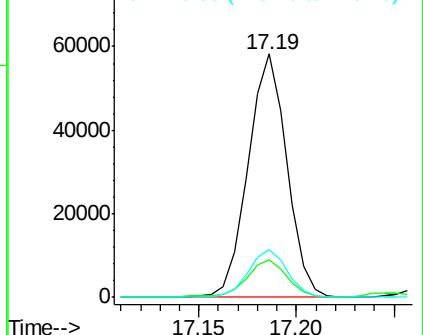
176 19.8 14.8 22.2



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: 5.16 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM005701.D

Acq: 07 Jun 2016 20:25

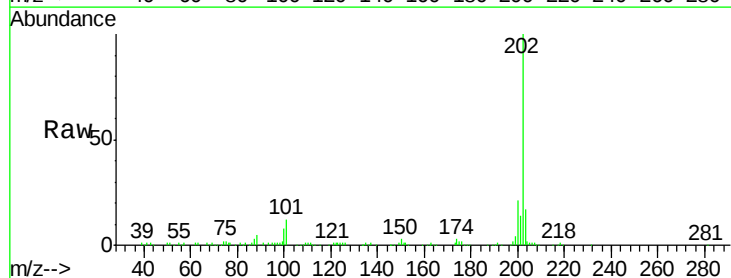
Tgt Ion:202 Resp: 216239

Ion Ratio Lower Upper

202 100

101 12.1 8.9 13.3

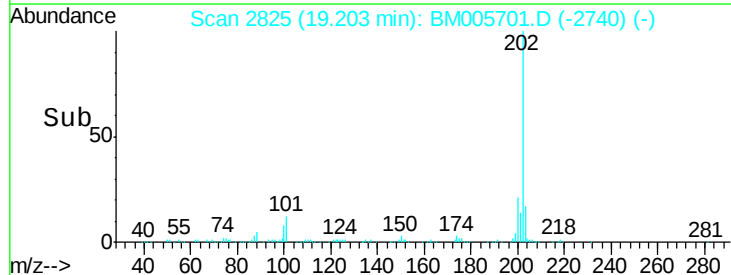
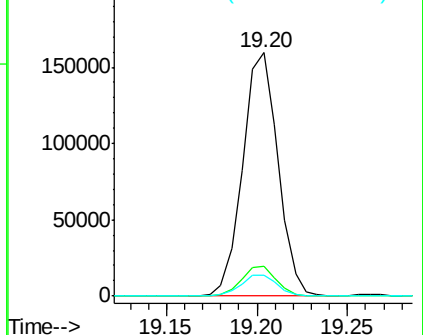
100 8.4 7.0 10.4

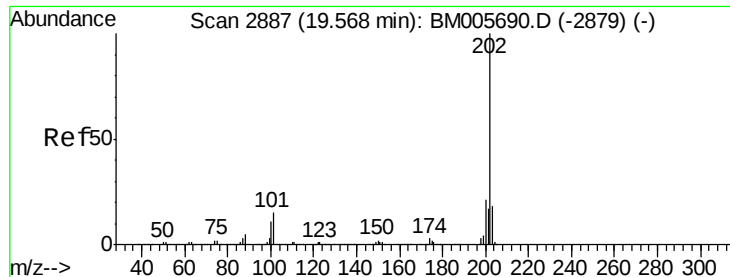


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

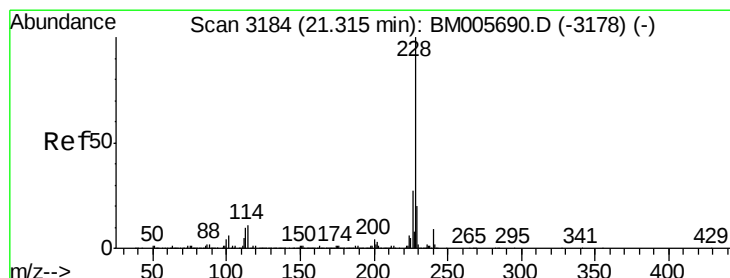
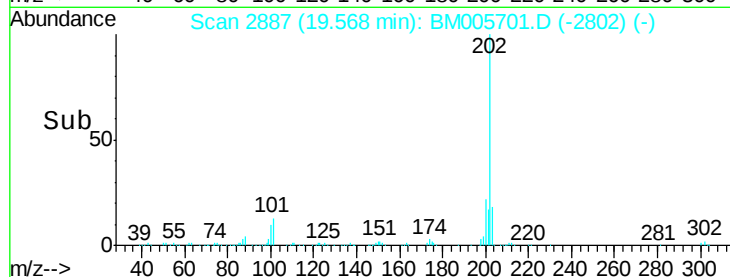
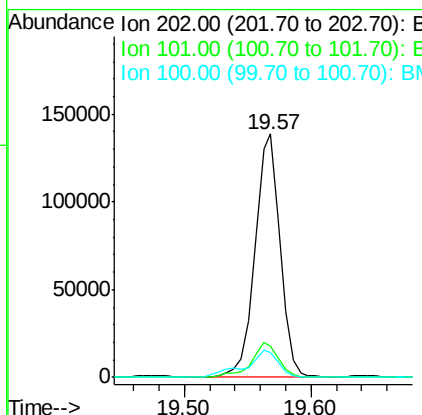
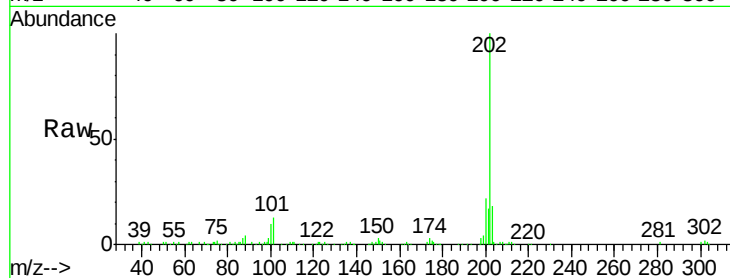




#31
 Pyrene
 Concen: 5.30 ng/ul
 RT: 19.57 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: BM005701.D
 Acq: 07 Jun 2016 20:25

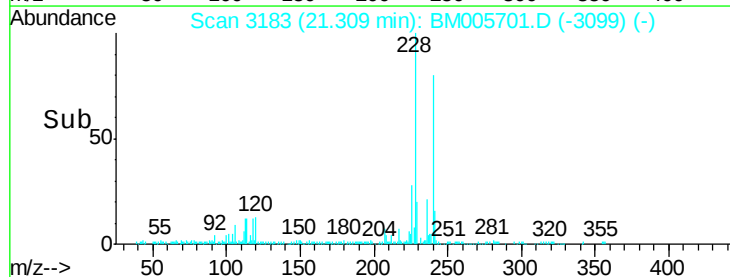
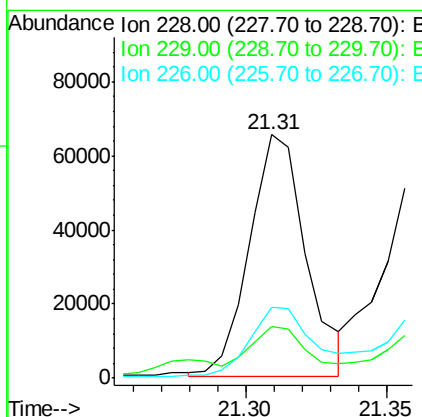
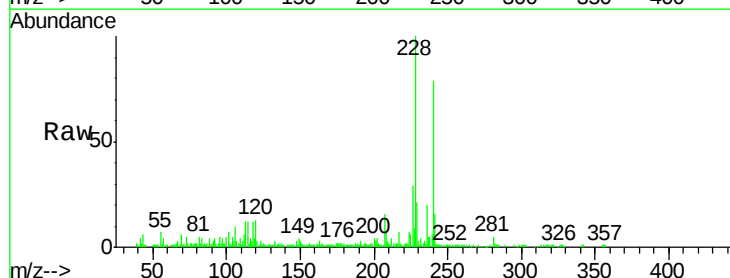
Instrument :
 BNA_M
 ClientSampleId :
 D9XQ7

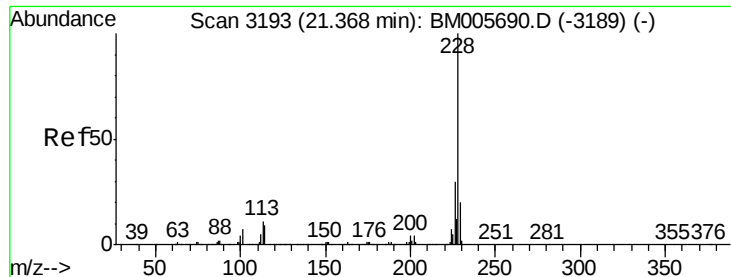
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.0	9.8	14.8
100	9.9	9.3	13.9



#32
 Benzo(a)anthracene
 Concen: 2.69 ng/ul
 RT: 21.31 min Scan# 3183
 Delta R.T. -0.01 min
 Lab File: BM005701.D
 Acq: 07 Jun 2016 20:25

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.4	16.6	25.0
226	29.1	21.0	31.4





#33

Chrysene

Concen: 2.83 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. -0.01 min

Lab File: BM005701.D

Acq: 07 Jun 2016 20:25

Instrument :

BNA_M

ClientSampleId :

D9XQ7

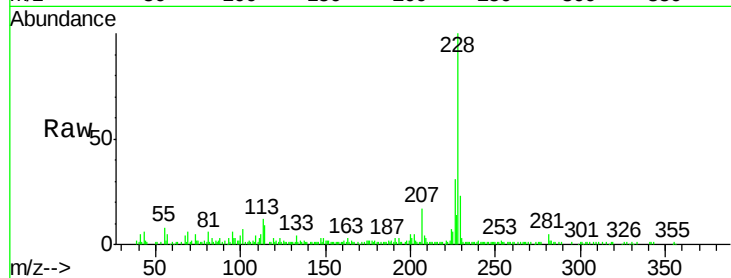
Tgt Ion:228 Resp: 90514

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

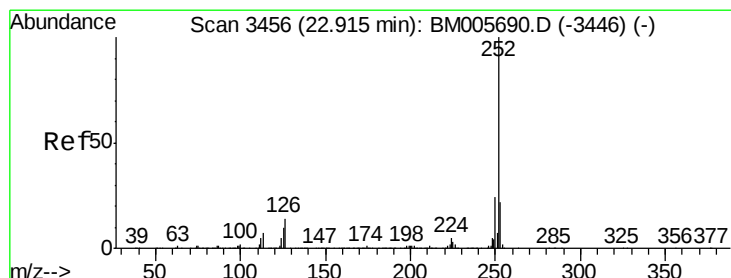
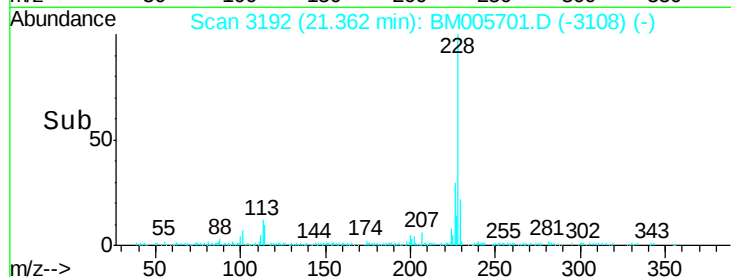
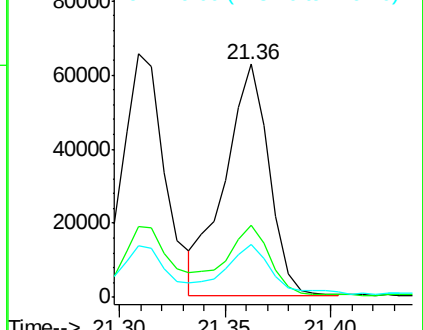
229 22.9 16.2 24.2



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: 4.24 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM005701.D

Acq: 07 Jun 2016 20:25

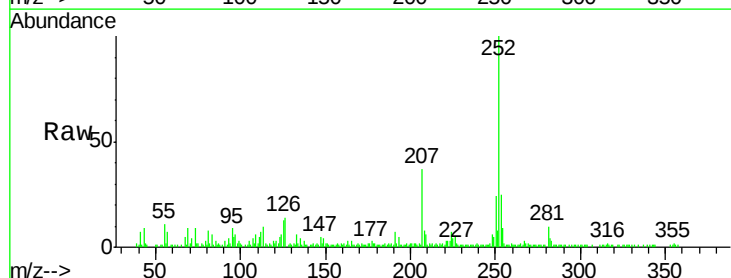
Tgt Ion:252 Resp: 122849

Ion Ratio Lower Upper

252 100

253 24.8 18.1 27.1

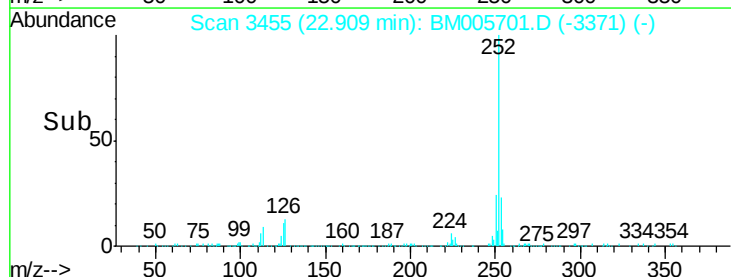
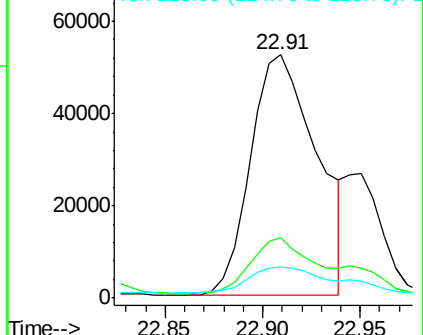
125 12.8 7.6 11.4#

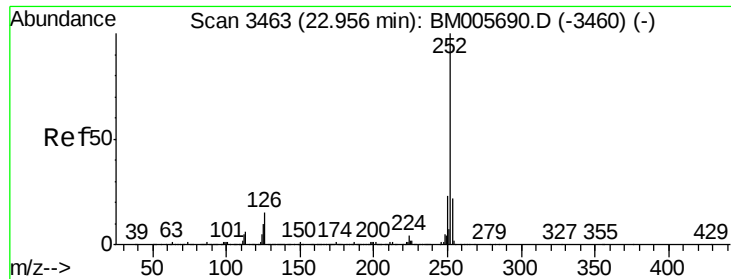


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

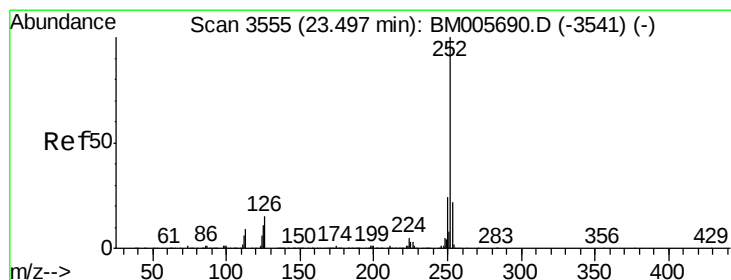
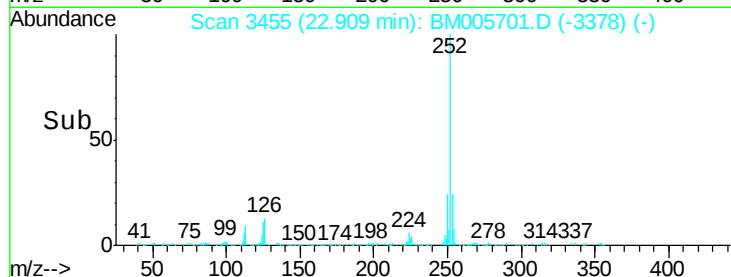
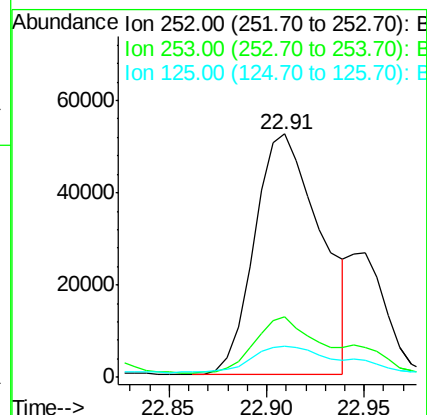
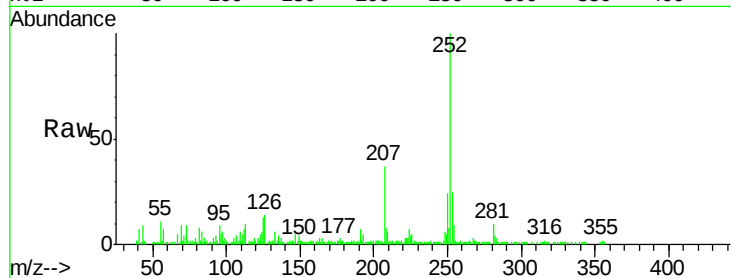




#36
Benzo(k)fluoranthene
Concen: 4.52 ng/ul
RT: 22.91 min Scan# 3455
Delta R.T. -0.05 min
Lab File: BM005701.D
Acq: 07 Jun 2016 20:25

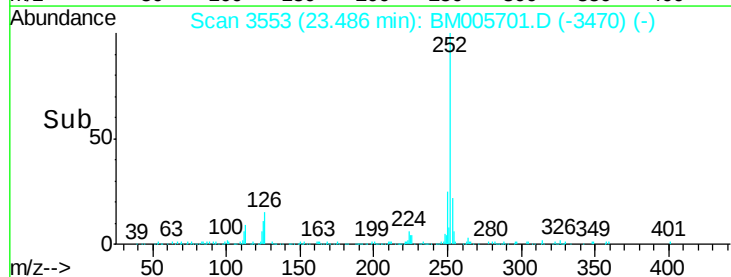
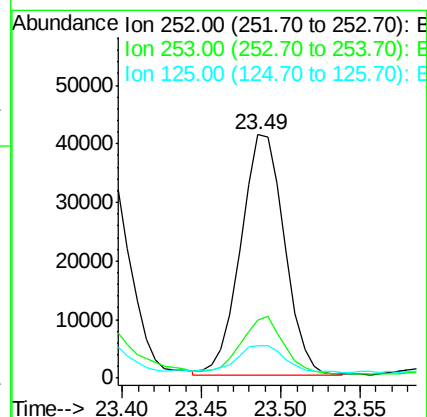
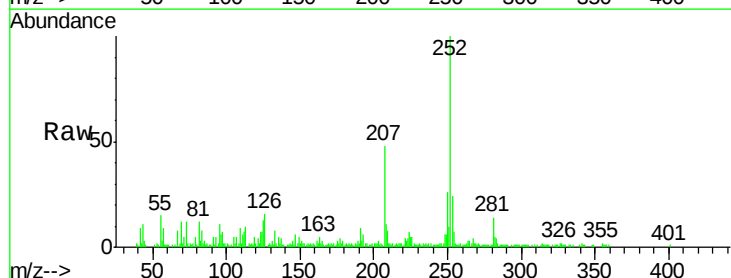
Instrument :
BNA_M
ClientSampleId :
D9XQ7

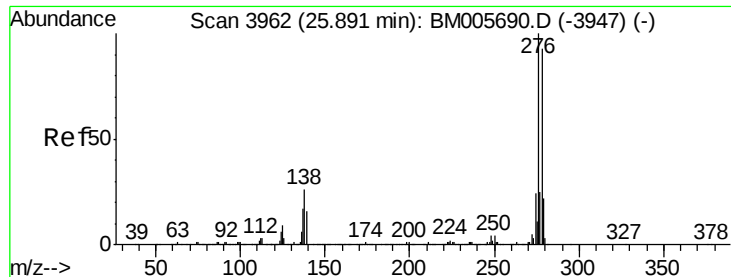
Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	17.8	26.8
125	12.8	7.7	11.5



#38
Benzo(a)pyrene
Concen: 2.84 ng/ul
RT: 23.49 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BM005701.D
Acq: 07 Jun 2016 20:25

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.6	17.4	26.0
125	13.4	8.2	12.2





#39

Indeno(1,2,3-cd)pyrene

Concen: 1.95 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. -0.02 min

Lab File: BM005701.D

Acq: 07 Jun 2016 20:25

Instrument :

BNA_M

ClientSampleId :

D9XQ7

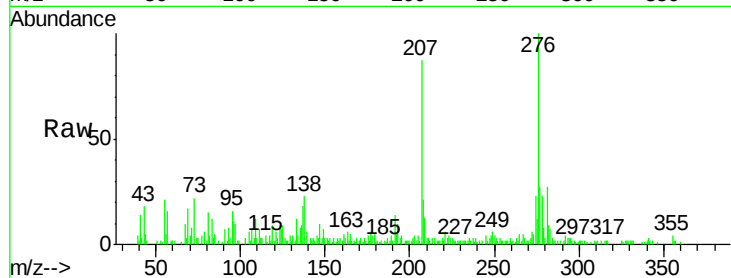
Tgt Ion:276 Resp: 64346

Ion Ratio Lower Upper

276 100

138 22.8 15.8 23.6

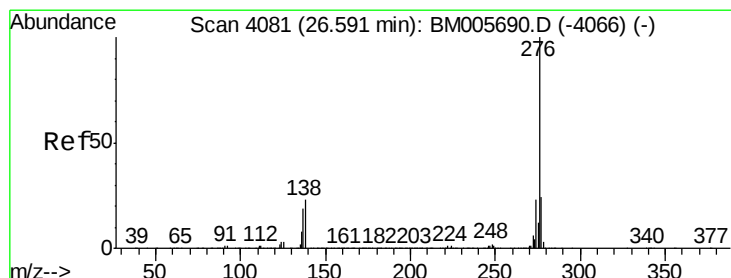
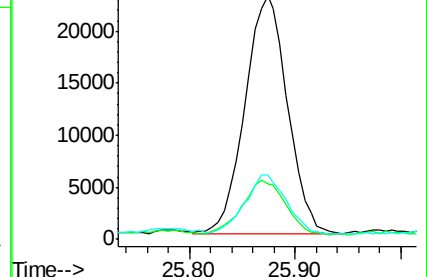
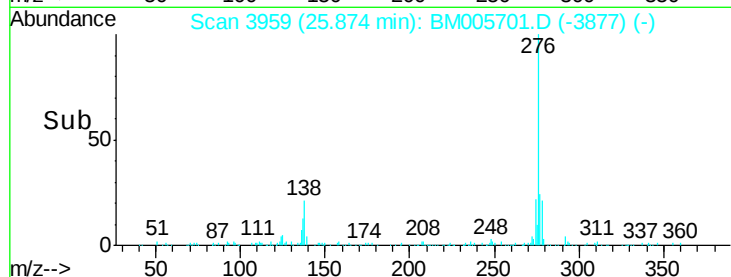
277 26.5 19.0 28.6



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: 2.31 ng/ul

RT: 26.57 min Scan# 4078

Delta R.T. -0.02 min

Lab File: BM005701.D

Acq: 07 Jun 2016 20:25

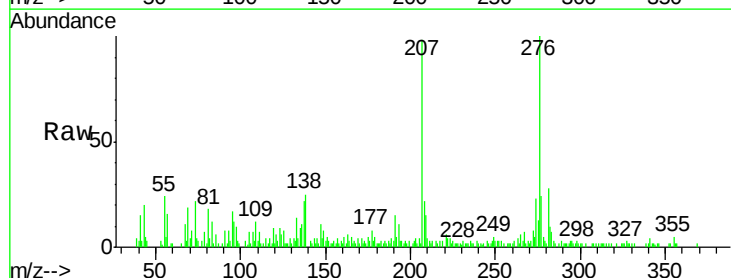
Tgt Ion:276 Resp: 63802

Ion Ratio Lower Upper

276 100

138 25.1 13.9 20.9#

277 24.2 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

