

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060716\
 Data File : BM005699.D
 Acq On : 07 Jun 2016 19:12
 Operator : UM/SJ
 Sample : H3411-18
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XR6

Quant Time: Jun 08 01:26:01 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	138008	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	675875	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	386898	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	842792	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	725572	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	590784	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	3663	1.12	ng/uL	0.00
3) Phenol-d5	6.93	99	126445	10.42	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	105354	14.27	ng/ul	0.00
5) 2-Chlorophenol-d4	7.29	132	122439	12.23	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	69785	7.27	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	72337	13.94	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	78219	14.08	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	117187	11.87	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	94027	8.02	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	422281	14.20	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	554380	14.33	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	18321	4.30	ng/ul	0.00
21) Fluorene-d10	15.39	176	383527	15.01	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	27693	6.98	ng/ul	0.00
26) Anthracene-d10	17.24	188	568619	14.21	ng/ul	0.00
30) Pyrene-d10	19.54	212	593775	16.28	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	376256	13.84	ng/ul	0.00

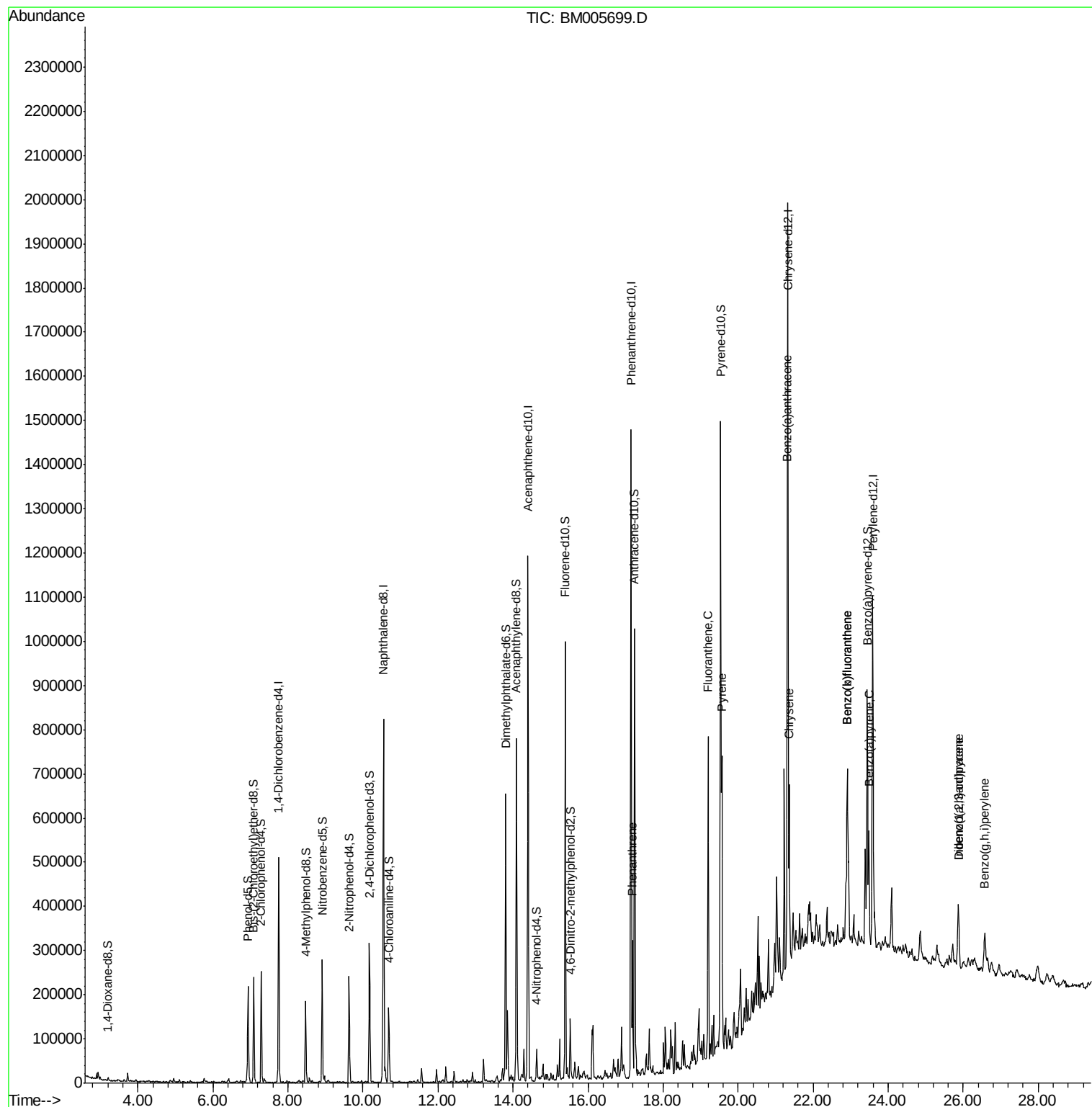
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
25) Phenanthrene	17.19	178	179924	3.87	ng/ul	98
28) Fluoranthene	19.20	202	430835	9.06	ng/ul	99
31) Pyrene	19.57	202	391008	8.54	ng/ul	98
32) Benzo(a)anthracene	21.31	228	217131	5.10	ng/ul	96
33) Chrysene	21.36	228	232260	5.78	ng/ul	96
35) Benzo(b)fluoranthene	22.91	252	333829	9.37	ng/ul	98
36) Benzo(k)fluoranthene	22.91	252	333829	9.99	ng/ul	99
38) Benzo(a)pyrene	23.49	252	181968	5.31	ng/ul#	97
39) Indeno(1,2,3-cd)pyrene	25.87	276	131292	3.24	ng/ul	95
40) Dibenzo(a,h)anthracene	25.87	278	36568	1.07	ng/ul#	85
41) Benzo(g,h,i)perylene	26.58	276	111074	3.26	ng/ul#	92

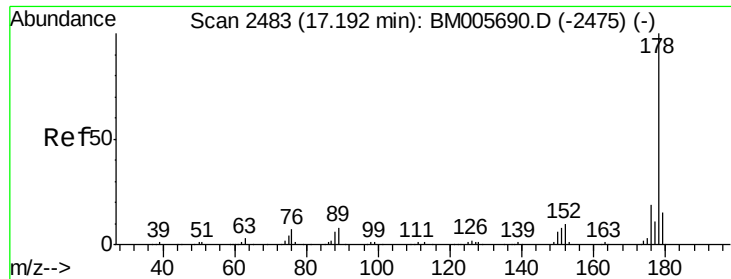
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#25

Phenanthrene

Concen: 3.87 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. -0.01 min

Lab File: BM005699.D

Acq: 07 Jun 2016 19:12

Instrument :

BNA_M

ClientSampleId :

D9XR6

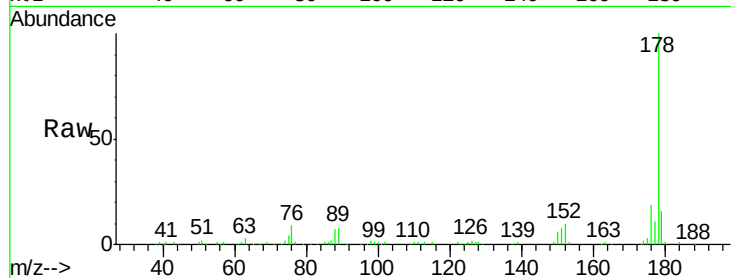
Tgt Ion:178 Resp: 179924

Ion Ratio Lower Upper

178 100

179 15.6 11.8 17.8

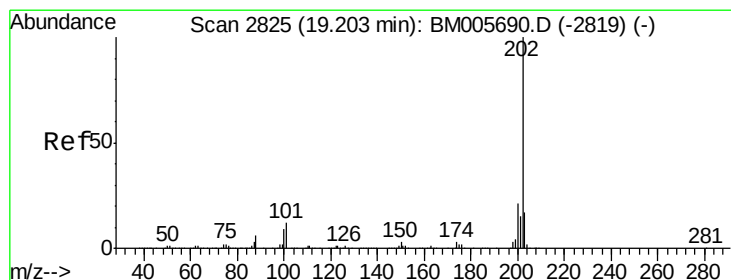
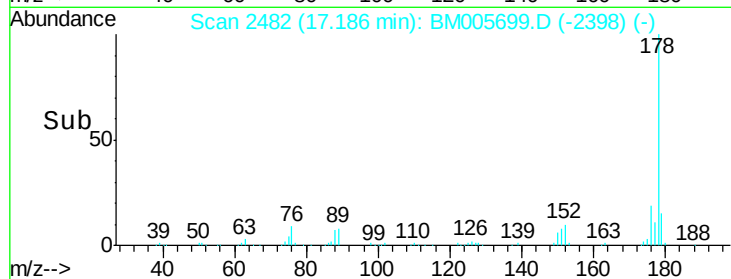
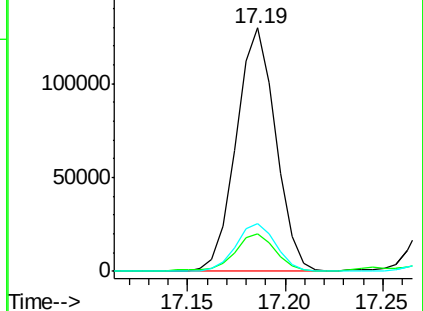
176 19.5 14.8 22.2



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: 9.06 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM005699.D

Acq: 07 Jun 2016 19:12

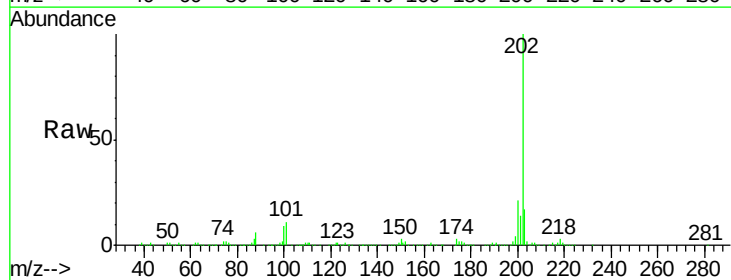
Tgt Ion:202 Resp: 430835

Ion Ratio Lower Upper

202 100

101 11.5 8.9 13.3

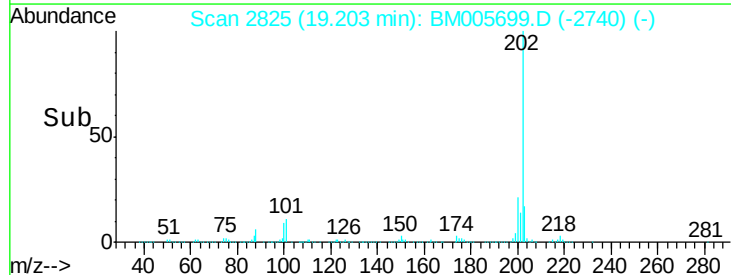
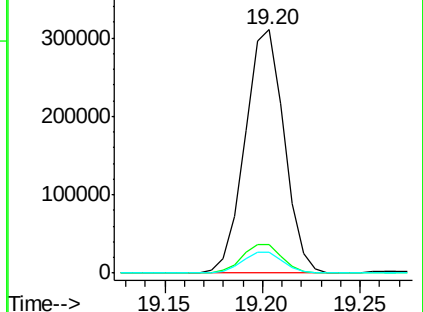
100 8.6 7.0 10.4

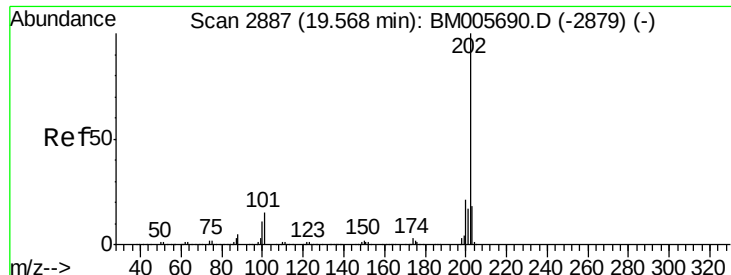


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

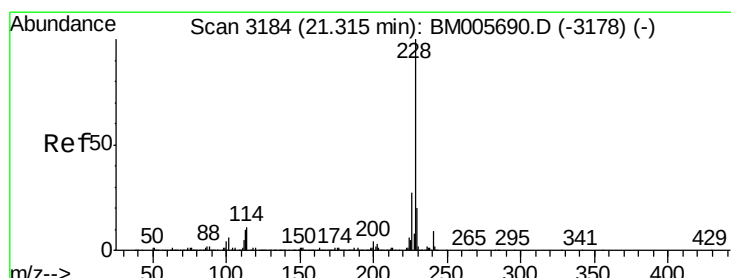
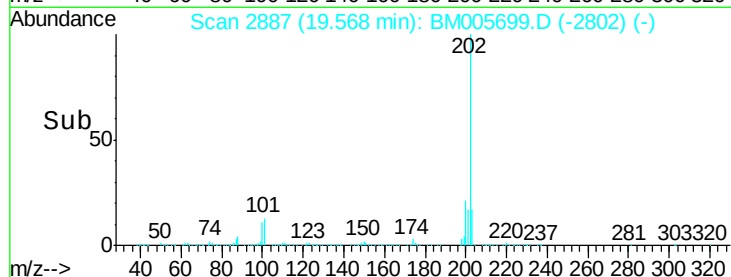
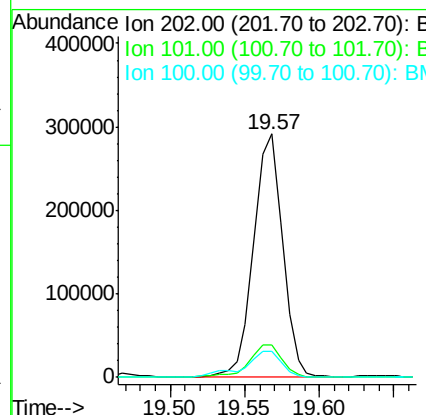
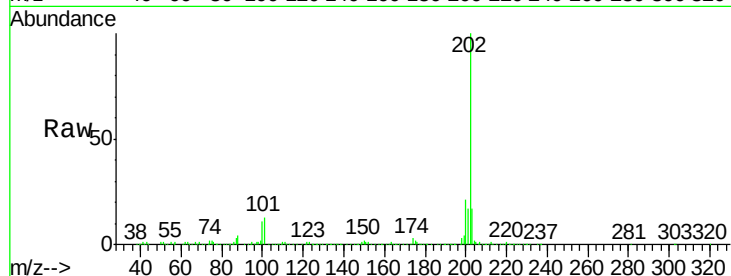




#31
 Pyrene
 Concen: 8.54 ng/ul
 RT: 19.57 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: BM005699.D
 Acq: 07 Jun 2016 19:12

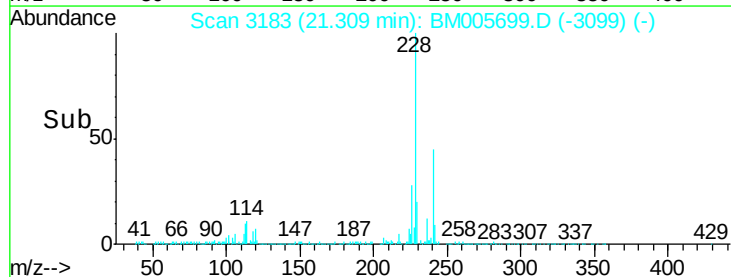
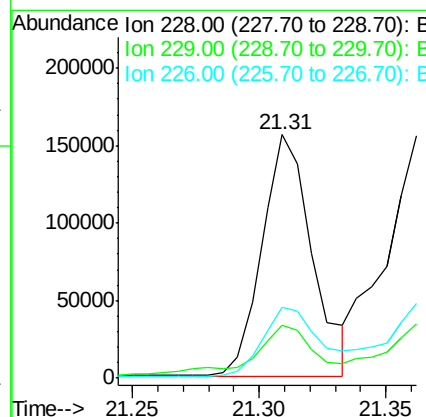
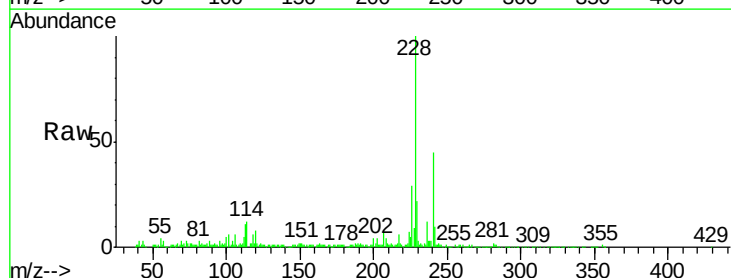
Instrument :
 BNA_M
 ClientSampleId :
 D9XR6

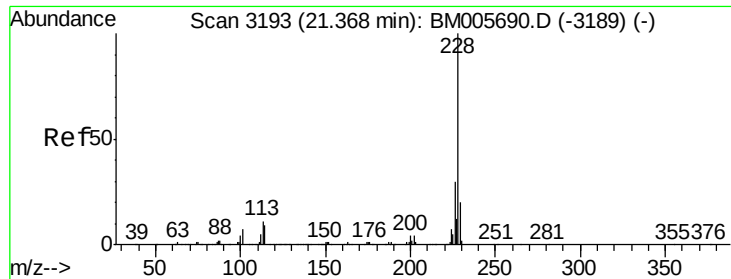
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.1	9.8	14.8
100	10.6	9.3	13.9



#32
 Benzo(a)anthracene
 Concen: 5.10 ng/ul
 RT: 21.31 min Scan# 3183
 Delta R.T. -0.01 min
 Lab File: BM005699.D
 Acq: 07 Jun 2016 19:12

Tgt Ion	Ratio	Lower	Upper
228	100		
229	21.9	16.6	25.0
226	28.9	21.0	31.4





#33

Chrysene

Concen: 5.78 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. -0.01 min

Lab File: BM005699.D

Acq: 07 Jun 2016 19:12

Instrument :

BNA_M

ClientSampleId :

D9XR6

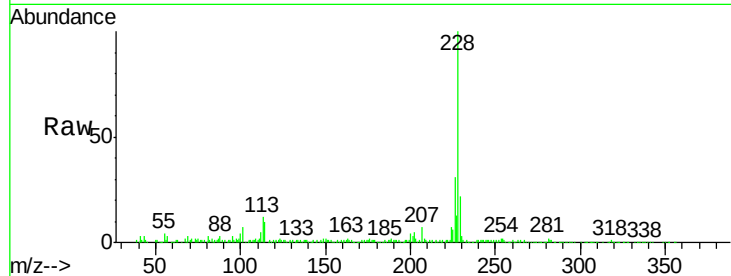
Tgt Ion: 228 Resp: 232260

Ion Ratio Lower Upper

228 100

226 30.8 23.4 35.2

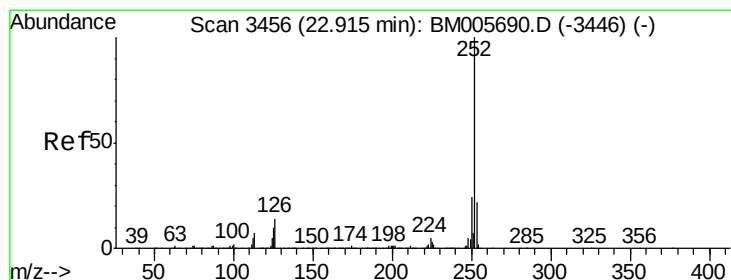
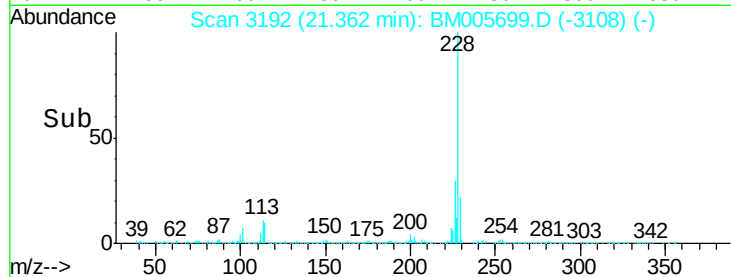
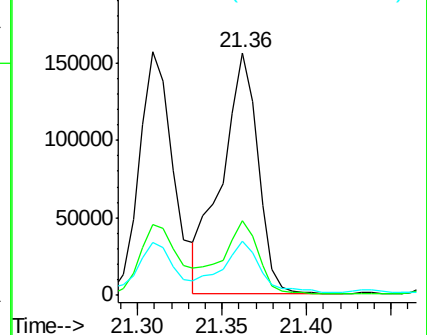
229 22.4 16.2 24.2



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: 9.37 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. -0.01 min

Lab File: BM005699.D

Acq: 07 Jun 2016 19:12

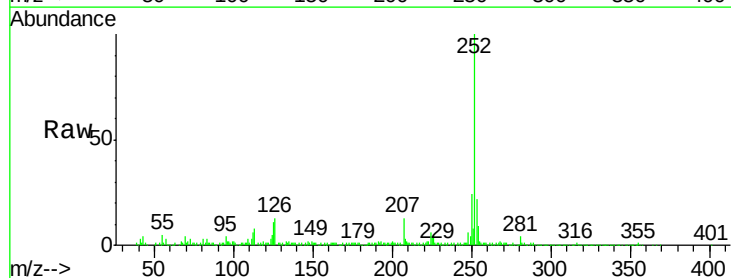
Tgt Ion: 252 Resp: 333829

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

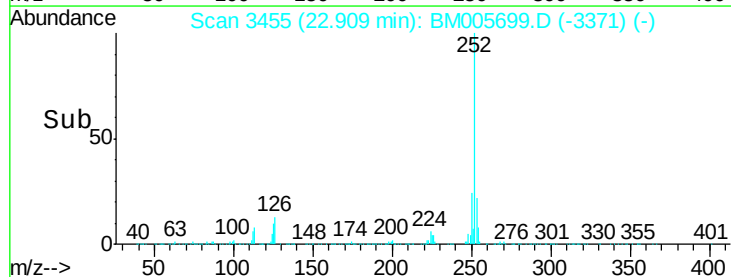
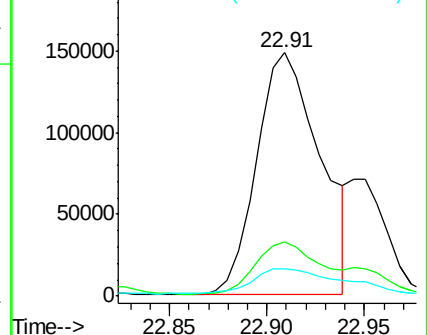
125 11.0 7.6 11.4

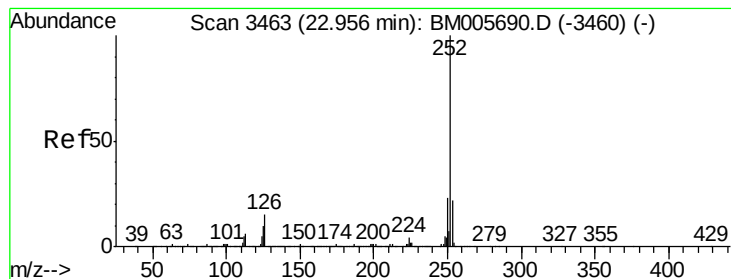


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 9.99 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. -0.05 min

Lab File: BM005699.D

Acq: 07 Jun 2016 19:12

Instrument :

BNA_M

ClientSampleId :

D9XR6

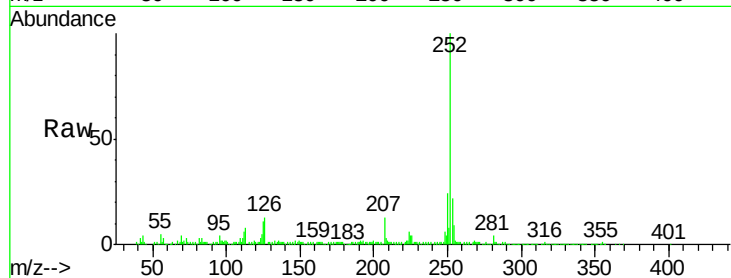
Tgt Ion:252 Resp: 333829

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

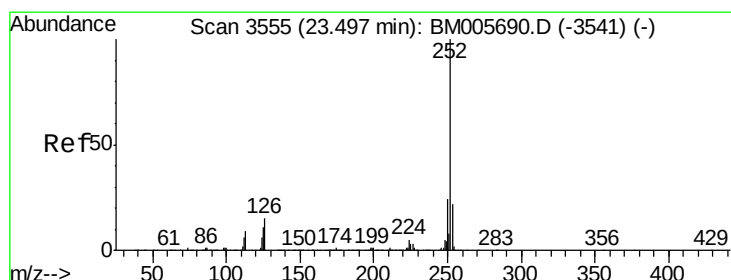
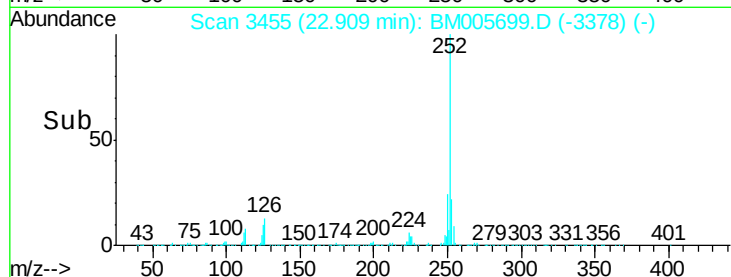
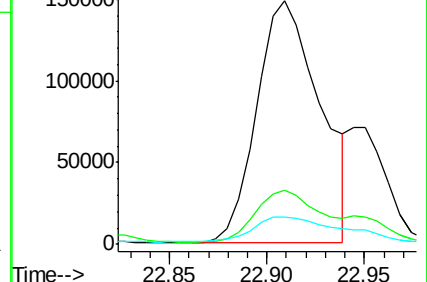
125 11.0 7.7 11.5



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: 5.31 ng/ul

RT: 23.49 min Scan# 3554

Delta R.T. -0.01 min

Lab File: BM005699.D

Acq: 07 Jun 2016 19:12

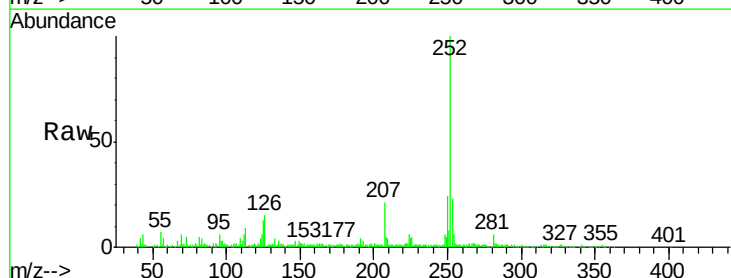
Tgt Ion:252 Resp: 181968

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

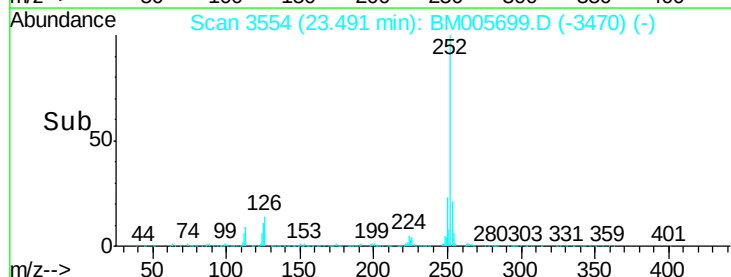
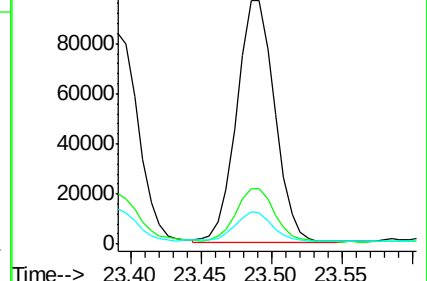
125 12.6 8.2 12.2#

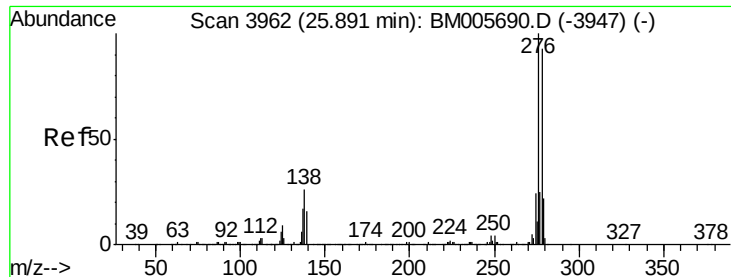


Abundance Ion 252.00 (251.70 to 252.70): E

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: 3.24 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. -0.02 min

Lab File: BM005699.D

Acq: 07 Jun 2016 19:12

Instrument :

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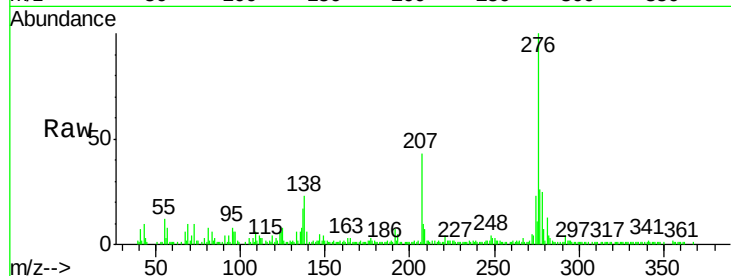
Tgt Ion:276 Resp: 131292

Ion Ratio Lower Upper

276 100

138 23.1 15.8 23.6

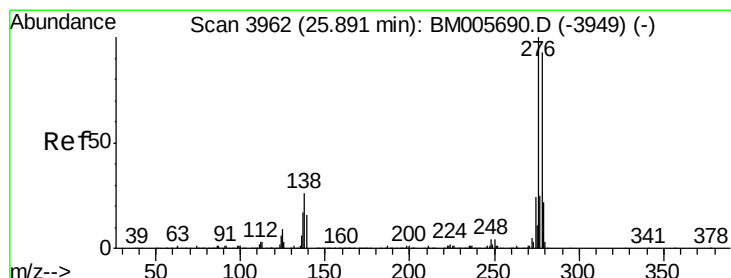
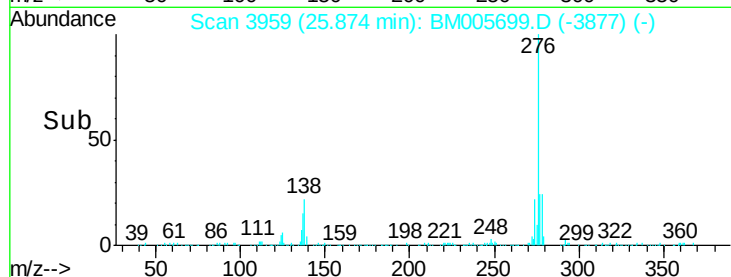
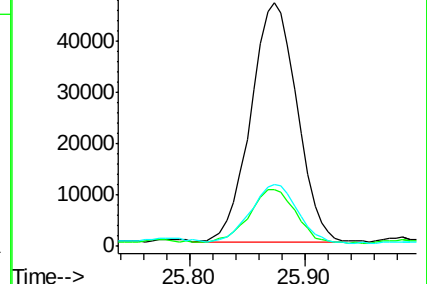
277 25.6 19.0 28.6



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



#40

Dibenzo(a,h)anthracene

Concen: 1.07 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. -0.02 min

Lab File: BM005699.D

Acq: 07 Jun 2016 19:12

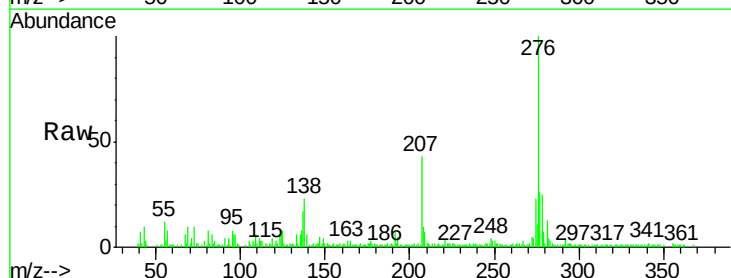
Tgt Ion:278 Resp: 36568

Ion Ratio Lower Upper

278 100

139 24.5 12.1 18.1#

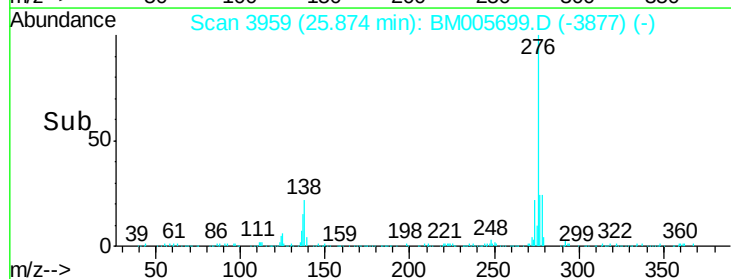
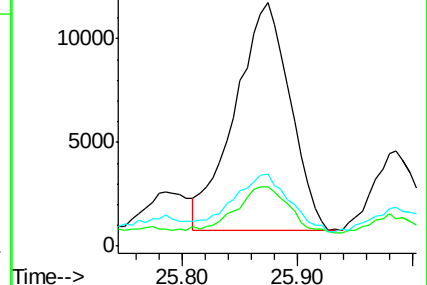
279 29.8 19.8 29.8#

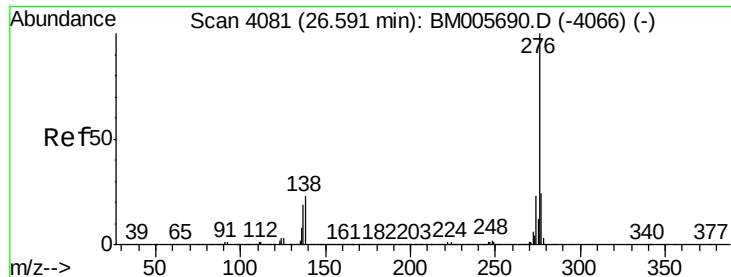


Abundance Ion 278.00 (277.70 to 278.70): E

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: 3.26 ng/ul

RT: 26.58 min Scan# 4079

Delta R.T. -0.01 min

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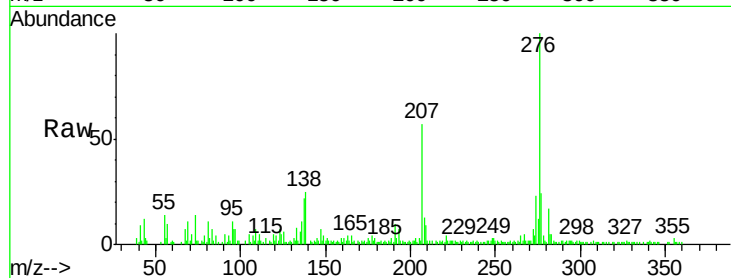
Tgt Ion: 276 Resp: 111074

Ion Ratio Lower Upper

276 100

138 24.6 13.9 20.9#

277 23.6 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

