

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM060616\
 Data File : BM005676.D
 Acq On : 06 Jun 2016 18:59
 Operator : UM/SJ
 Sample : H3412-03
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9XS4

Quant Time: Jun 07 04:27:14 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM060216.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jun 07 04:25:20 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	103362	20.00	ng/ul	0.00
7) Naphthalene-d8	10.55	136	444915	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.40	164	229314	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	474993	20.00	ng/ul	0.00
29) Chrysene-d12	21.33	240	484456	20.00	ng/ul	0.00
34) Perylene-d12	23.59	264	499930	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.22	96	3065	1.25	ng/uL	0.00
3) Phenol-d5	6.94	99	121959	13.42	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.09	67	79229	14.33	ng/ul	0.00
5) 2-Chlorophenol-d4	7.30	132	103289	13.78	ng/ul	0.00
6) 4-Methylphenol-d8	8.47	113	63617	8.85	ng/ul	0.00
8) Nitrobenzene-d5	8.92	128	48324	14.14	ng/ul	0.00
9) 2-Nitrophenol-d4	9.64	143	50965	13.94	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.18	165	88235	13.58	ng/ul	0.00
12) 4-Chloroaniline-d4	10.69	131	58091	7.52	ng/ul	0.00
16) Dimethylphthalate-d6	13.81	166	268044	15.20	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	343090	14.96	ng/ul	0.00
20) 4-Nitrophenol-d4	14.63	143	28247	11.19	ng/ul	0.00
21) Fluorene-d10	15.39	176	236318	15.61	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	18120	8.10	ng/ul	0.00
26) Anthracene-d10	17.24	188	338637	15.01	ng/ul	0.00
30) Pyrene-d10	19.54	212	364758	14.98	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	345445	15.02	ng/ul	0.00

Target Compounds

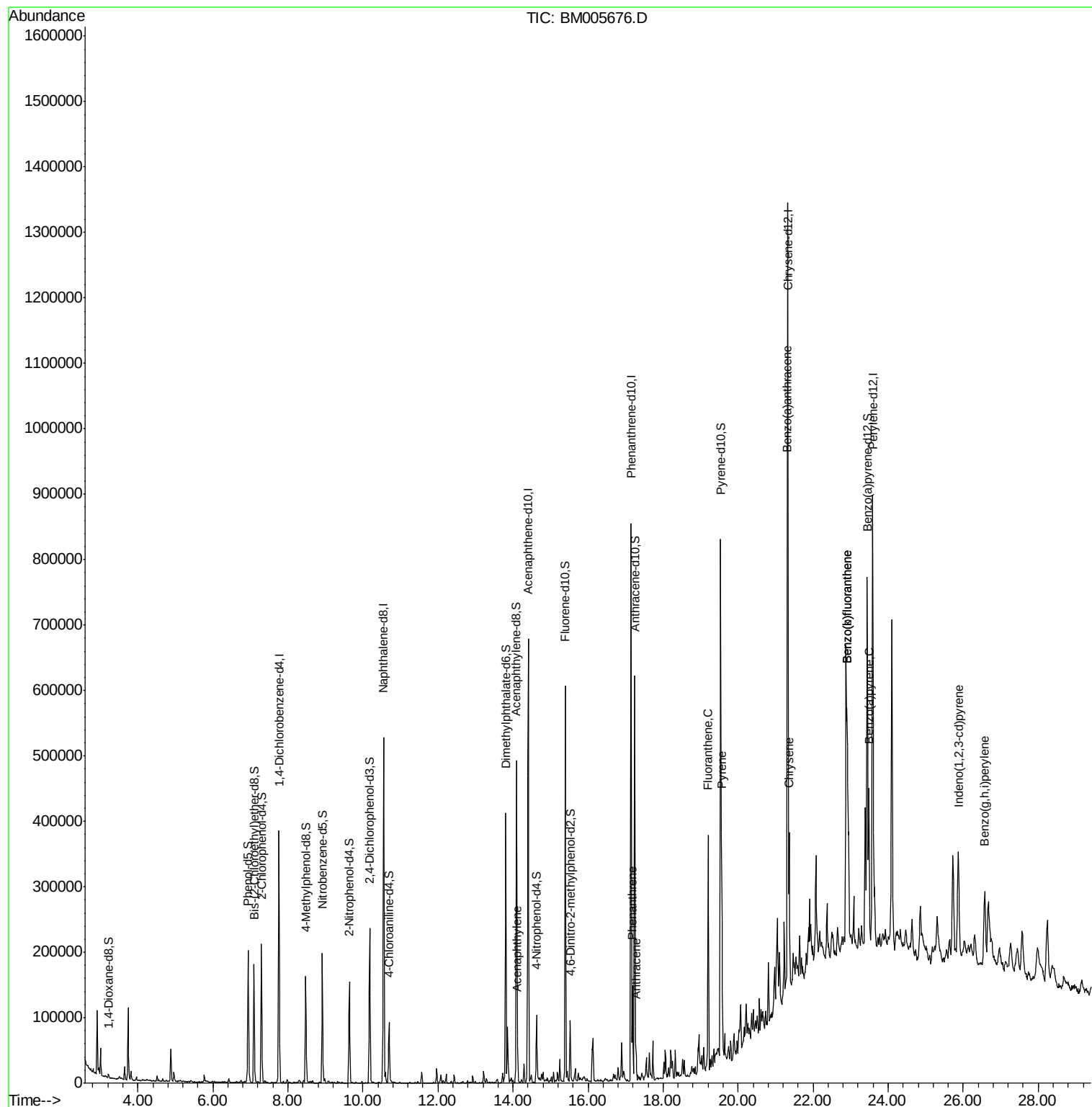
						Qvalue
18) Acenaphthylene	14.12	152	34646	1.46	ng/ul	97
25) Phenanthrene	17.19	178	86155	3.29	ng/ul	98
27) Anthracene	17.28	178	35717	1.34	ng/ul	99
28) Fluoranthene	19.20	202	209104	7.80	ng/ul	98
31) Pyrene	19.57	202	194490	6.36	ng/ul	98
32) Benzo(a)anthracene	21.31	228	121069	4.26	ng/ul	95
33) Chrysene	21.36	228	149340	5.56	ng/ul	96
35) Benzo(b)fluoranthene	22.91	252	286191	9.49	ng/ul	97
36) Benzo(k)fluoranthene	22.91	252	286191	10.12	ng/ul	97
38) Benzo(a)pyrene	23.49	252	158496	5.46	ng/ul#	94
39) Indeno(1,2,3-cd)pyrene	25.87	276	150267	4.38	ng/ul	96
41) Benzo(g,h,i)perylene	26.57	276	146626	5.09	ng/ul#	93

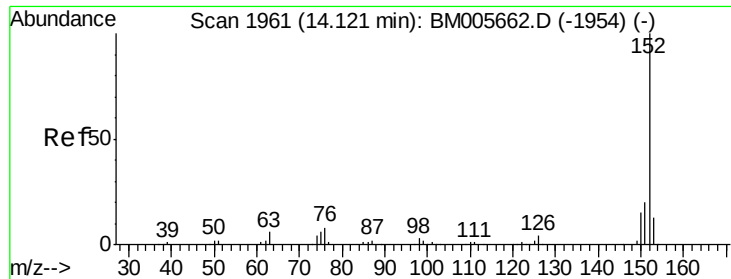
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
QLast Update : Tue Jun 07 04:25:20 2016
Response via : Initial Calibration





#18

Acenaphthylene

Concen: 1.46 ng/ul

RT: 14.12 min Scan# 1961

Delta R.T. 0.00 min

Lab File: BM005676.D

Acq: 06 Jun 2016 18:59

Instrument :

BNA_M

ClientSampleId :

D9XS4

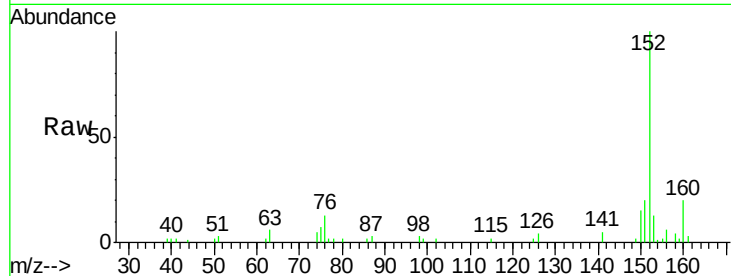
Tgt Ion:152 Resp: 34646

Ion Ratio Lower Upper

152 100

151 20.0 17.3 25.9

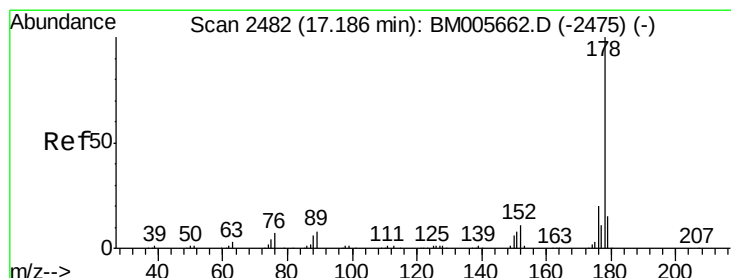
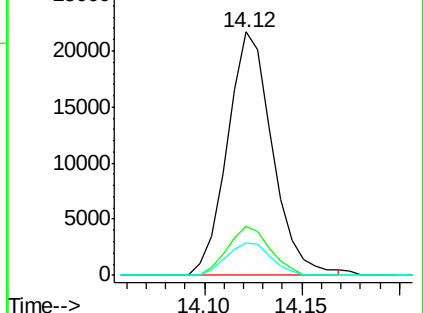
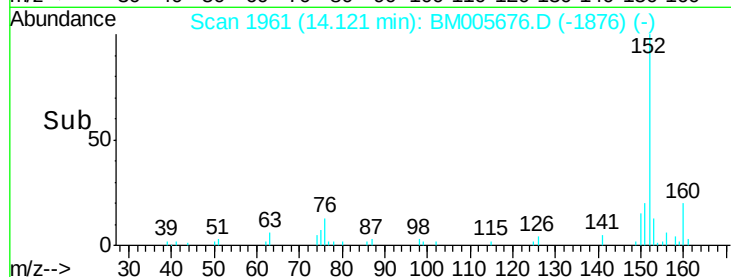
153 13.4 11.1 16.7



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#25

Phenanthrene

Concen: 3.29 ng/ul

RT: 17.19 min Scan# 2482

Delta R.T. 0.00 min

Lab File: BM005676.D

Acq: 06 Jun 2016 18:59

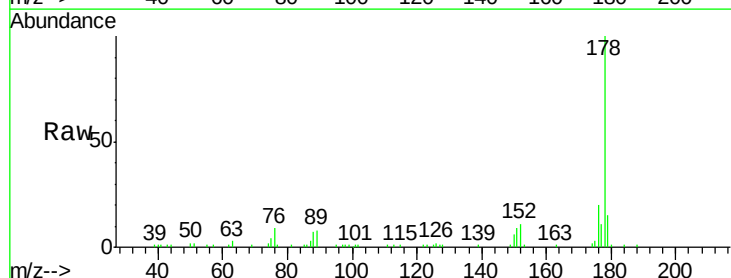
Tgt Ion:178 Resp: 86155

Ion Ratio Lower Upper

178 100

179 15.4 11.8 17.8

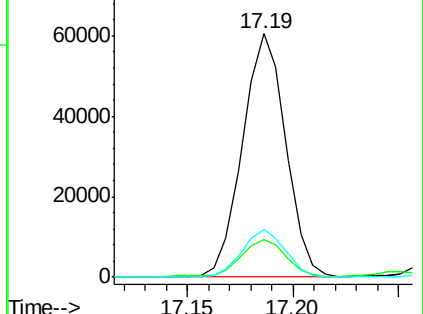
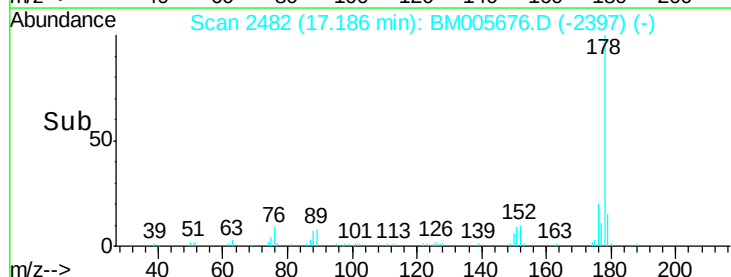
176 19.8 14.8 22.2

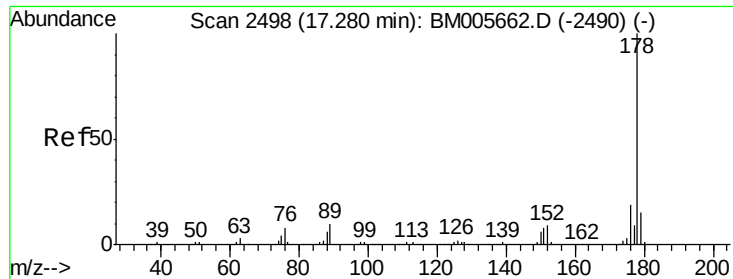


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 1.34 ng/ul

RT: 17.28 min Scan# 2498

Delta R.T. 0.00 min

Lab File: BM005676.D

Acq: 06 Jun 2016 18:59

Instrument :

BNA_M

ClientSampleId :

D9XS4

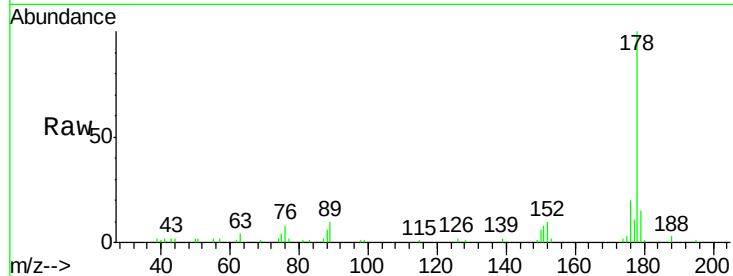
Tgt Ion:178 Resp: 35717

Ion Ratio Lower Upper

178 100

179 15.3 12.9 19.3

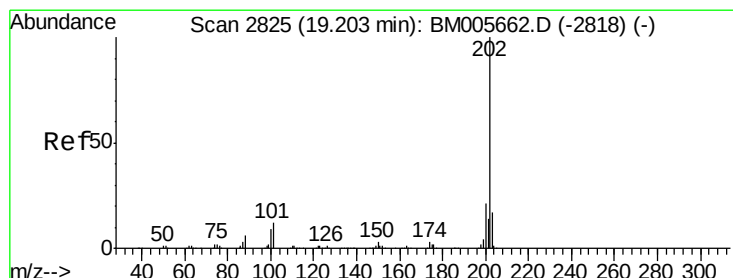
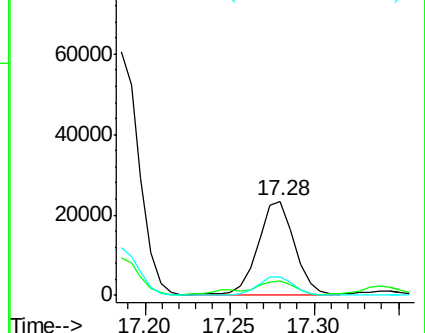
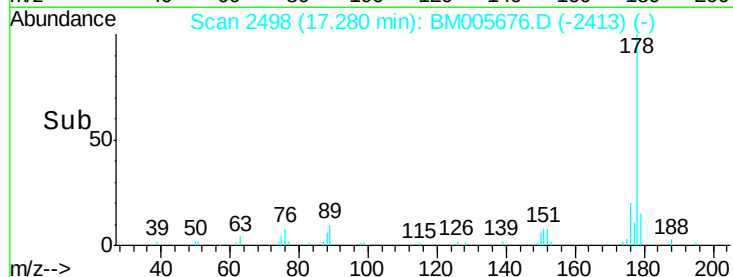
176 19.8 15.6 23.4



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: 7.80 ng/ul

RT: 19.20 min Scan# 2825

Delta R.T. 0.00 min

Lab File: BM005676.D

Acq: 06 Jun 2016 18:59

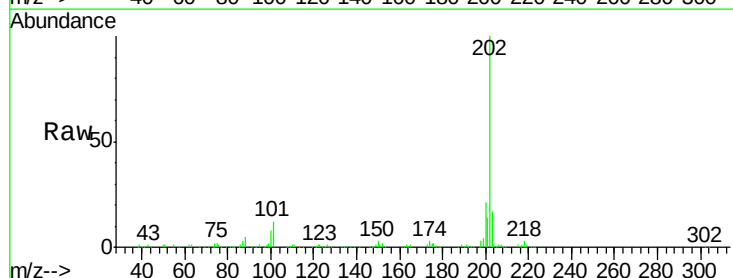
Tgt Ion:202 Resp: 209104

Ion Ratio Lower Upper

202 100

101 11.8 8.9 13.3

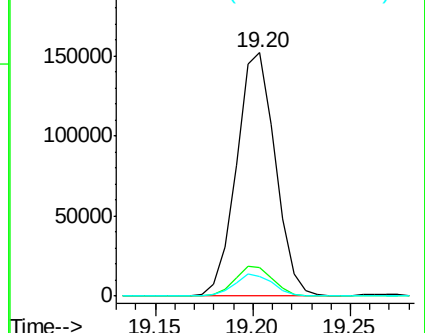
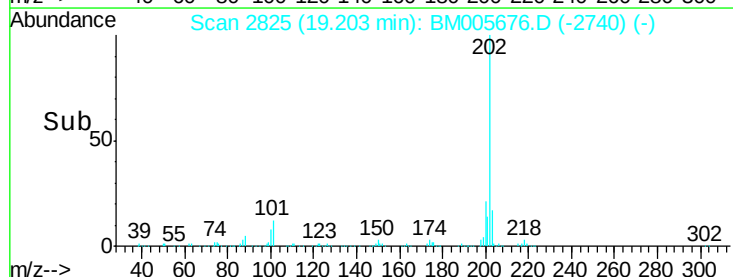
100 8.3 7.0 10.4

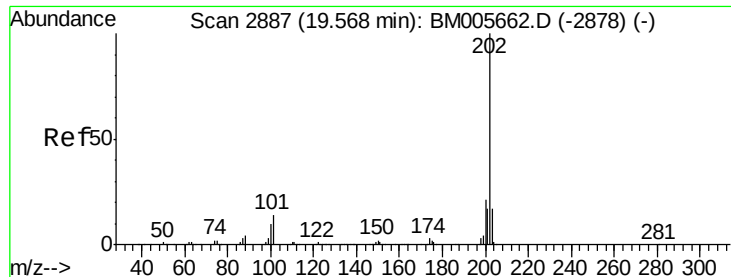


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

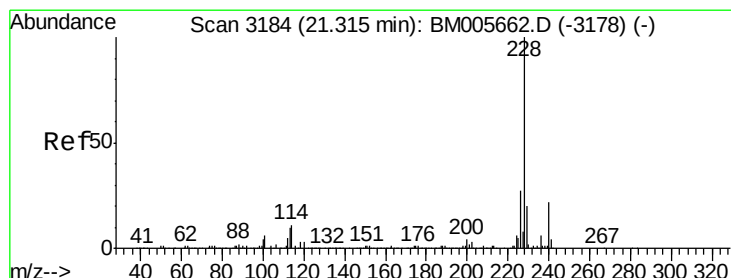
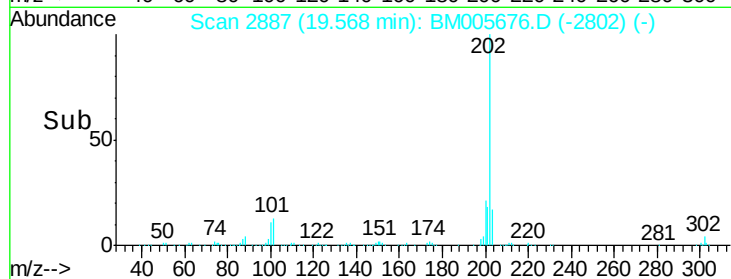
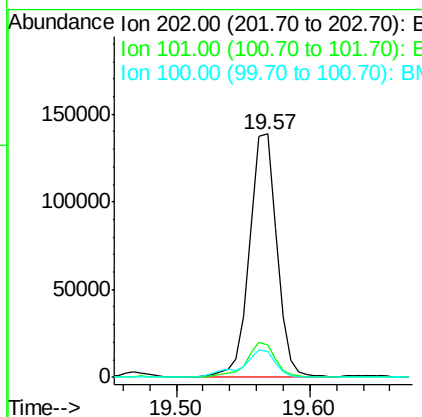
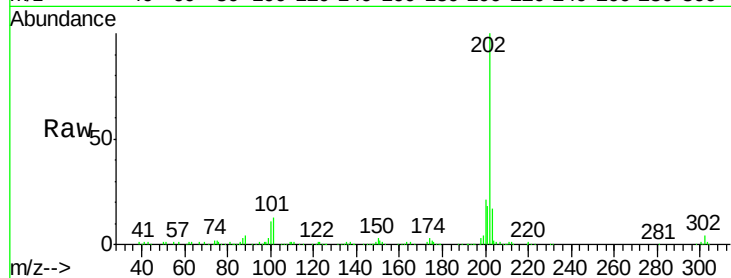




#31
 Pyrene
 Concen: 6.36 ng/ul
 RT: 19.57 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: BM005676.D
 Acq: 06 Jun 2016 18:59

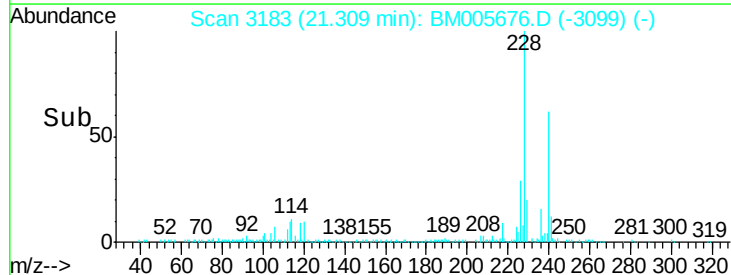
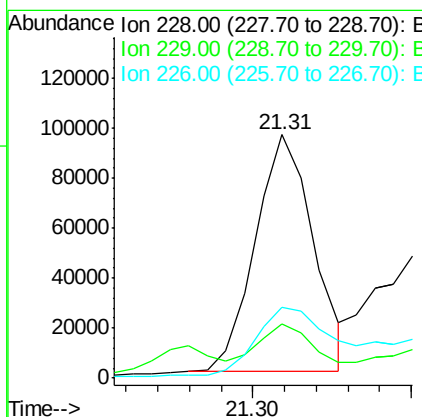
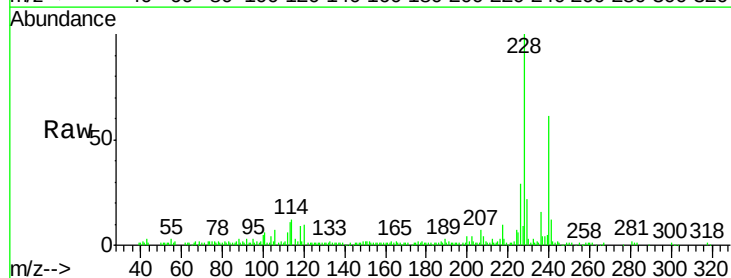
Instrument :
 BNA_M
 ClientSampleId :
 D9XS4

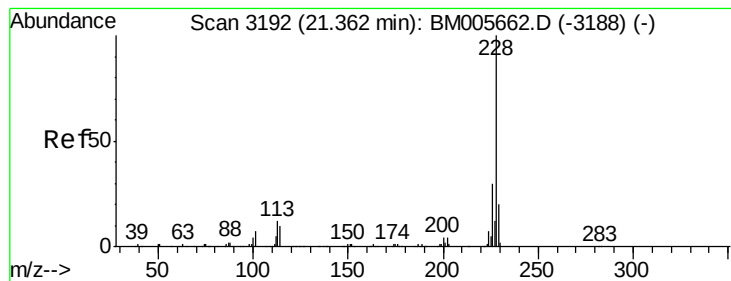
Tgt Ion	Ratio	Lower	Upper
202	100		
101	13.2	9.8	14.8
100	10.5	9.3	13.9



#32
 Benzo(a)anthracene
 Concen: 4.26 ng/ul
 RT: 21.31 min Scan# 3183
 Delta R.T. -0.01 min
 Lab File: BM005676.D
 Acq: 06 Jun 2016 18:59

Tgt Ion	Ratio	Lower	Upper
228	100		
229	22.0	16.6	25.0
226	29.3	21.0	31.4





#33

Chrysene

Concen: 5.56 ng/ul

RT: 21.36 min Scan# 3192

Delta R.T. 0.00 min

Lab File: BM005676.D

Acq: 06 Jun 2016 18:59

Instrument :

BNA_M

ClientSampleId :

D9XS4

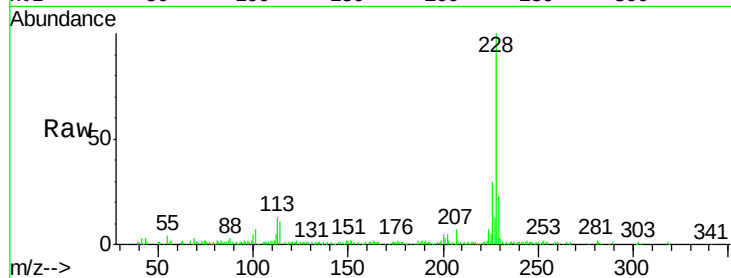
Tgt Ion:228 Resp: 149340

Ion Ratio Lower Upper

228 100

226 30.4 23.4 35.2

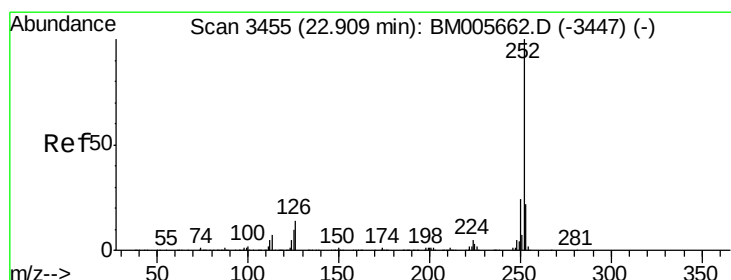
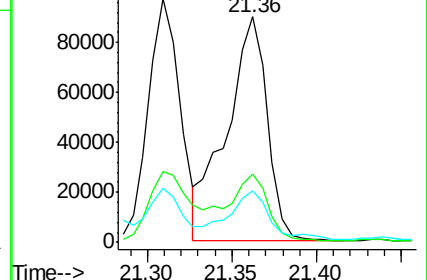
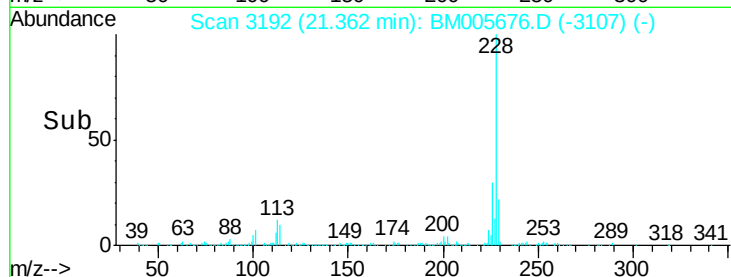
229 22.9 16.2 24.2



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: 9.49 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. 0.00 min

Lab File: BM005676.D

Acq: 06 Jun 2016 18:59

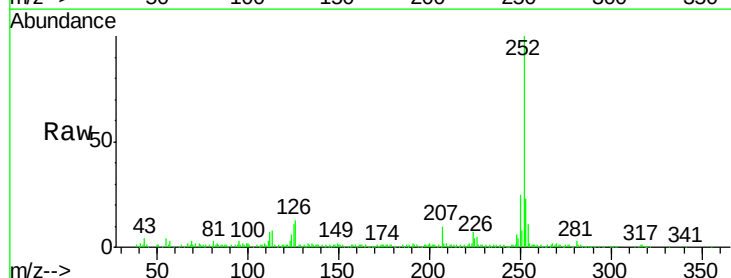
Tgt Ion:252 Resp: 286191

Ion Ratio Lower Upper

252 100

253 23.5 18.1 27.1

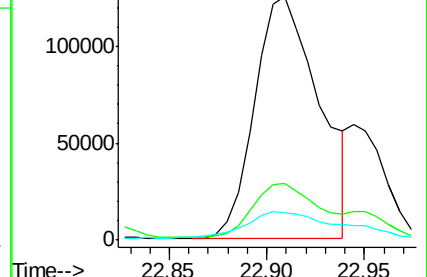
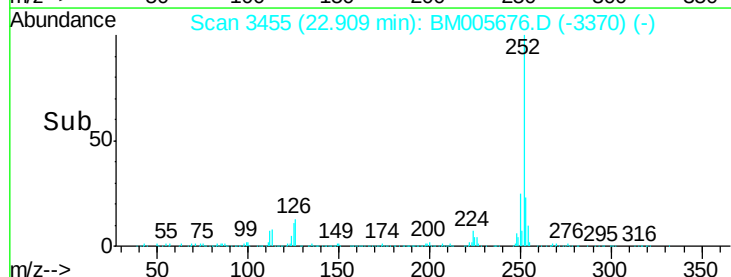
125 11.2 7.6 11.4

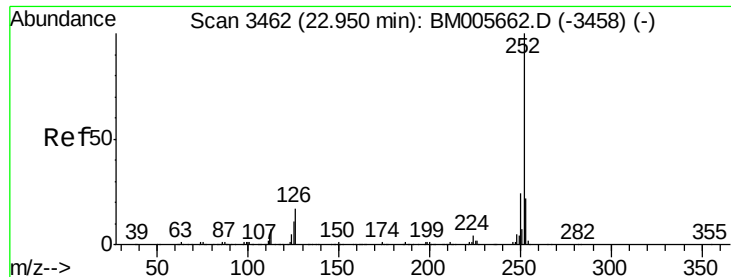


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#36

Benzo(k)fluoranthene

Concen: 10.12 ng/ul

RT: 22.91 min Scan# 3455

Delta R.T. -0.04 min

Lab File: BM005676.D

Acq: 06 Jun 2016 18:59

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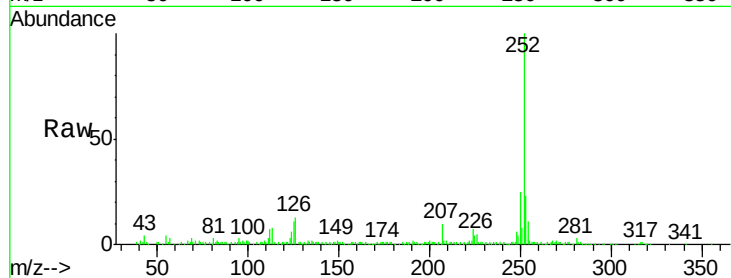
Tgt Ion:252 Resp: 286191

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

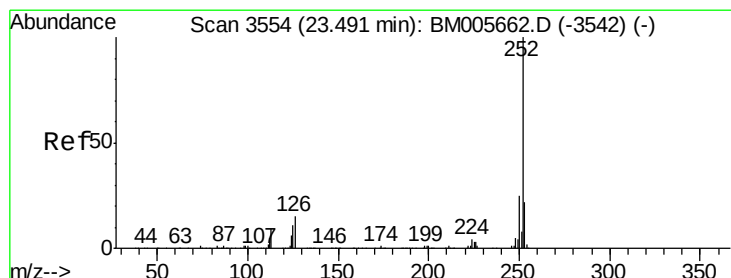
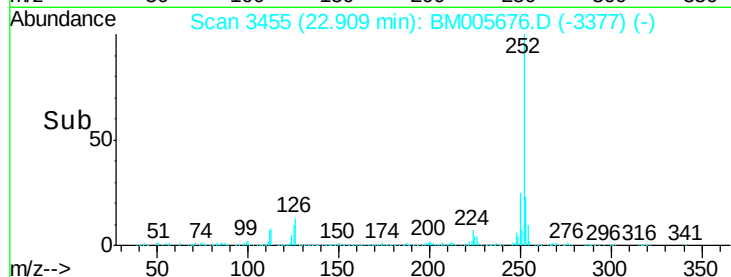
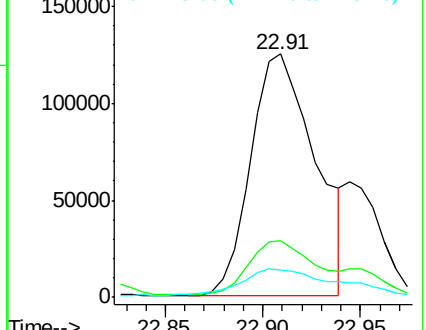
125 11.2 7.7 11.5



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: 5.46 ng/ul

RT: 23.49 min Scan# 3553

Delta R.T. -0.01 min

Lab File: BM005676.D

Acq: 06 Jun 2016 18:59

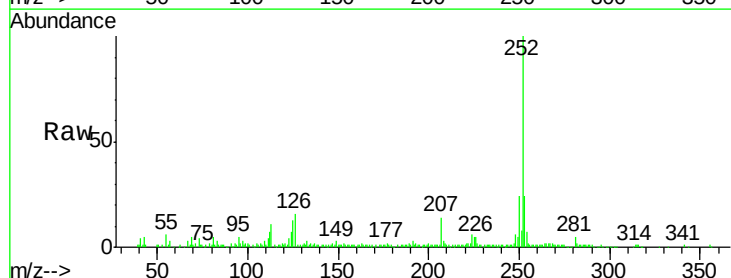
Tgt Ion:252 Resp: 158496

Ion Ratio Lower Upper

252 100

253 24.1 17.4 26.0

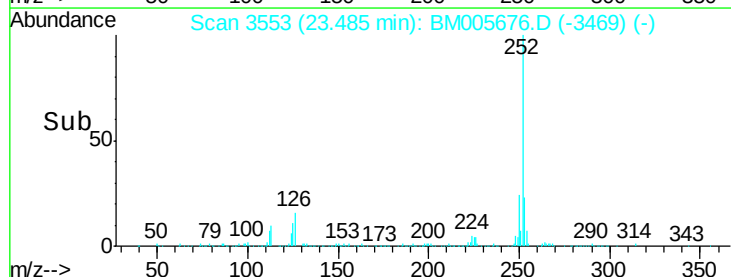
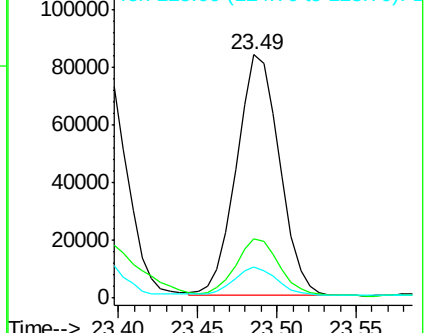
125 12.6 8.2 12.2#

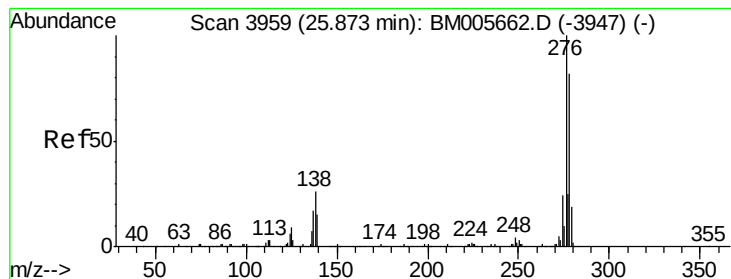


Abundance Ion 252.00 (251.70 to 252.70): E

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: 4.38 ng/ul

RT: 25.87 min Scan# 3959

Delta R.T. 0.00 min

Lab File: BM005676.D

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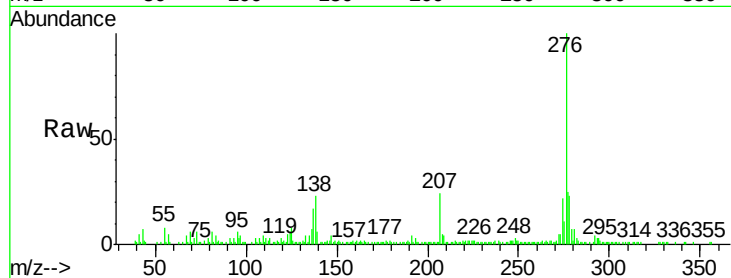
Tgt Ion:276 Resp: 150267

Ion Ratio Lower Upper

276 100

138 22.6 15.8 23.6

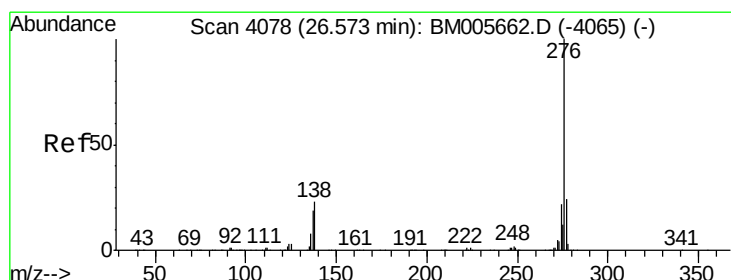
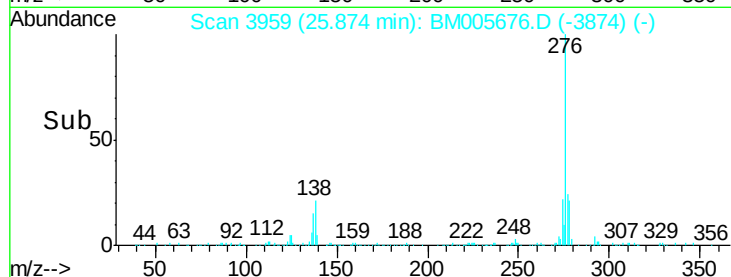
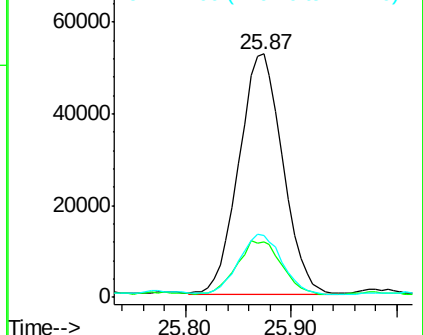
277 25.3 19.0 28.6



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: 5.09 ng/ul

RT: 26.57 min Scan# 4078

Delta R.T. 0.00 min

Lab File: BM005676.D

Acq: 06 Jun 2016 18:59

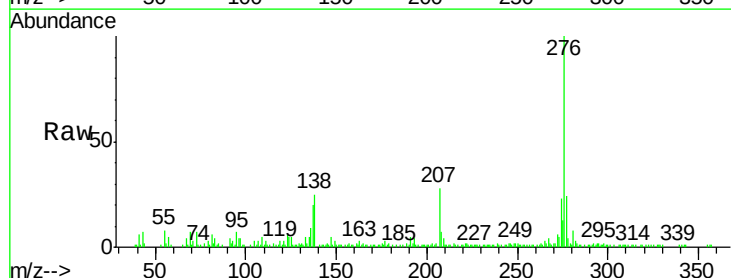
Tgt Ion:276 Resp: 146626

Ion Ratio Lower Upper

276 100

138 24.5 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

