

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061216\
 Data File : BM005762.D
 Acq On : 12 Jun 2016 23:15
 Operator : UM/SJ
 Sample : H3536-10
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9Y20

Quant Time: Jun 13 03:32:39 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM061016.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Jun 13 03:29:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.75	152	126097	20.00	ng/ul	0.00
7) Naphthalene-d8	10.54	136	616821	20.00	ng/ul	0.00
15) Acenaphthene-d10	14.39	164	348212	20.00	ng/ul	0.00
23) Phenanthrene-d10	17.14	188	647557	20.00	ng/ul	0.00
29) Chrysene-d12	21.32	240	481242	20.00	ng/ul	0.00
34) Perylene-d12	23.58	264	506551	20.00	ng/ul	0.00

System Monitoring Compounds

2) 1,4-Dioxane-d8	3.19	96	1722	0.59	ng/uL	0.00
3) Phenol-d5	6.93	99	125782	11.56	ng/ul	0.00
4) Bis-(2-Chloroethyl)ether-d	7.07	67	95516	14.61	ng/ul	0.00
5) 2-Chlorophenol-d4	7.28	132	118441	13.46	ng/ul	0.00
6) 4-Methylphenol-d8	8.46	113	98241	10.69	ng/ul	0.00
8) Nitrobenzene-d5	8.90	128	70250	15.80	ng/ul	0.00
9) 2-Nitrophenol-d4	9.63	143	78854	15.69	ng/ul	0.00
10) 2,4-Dichlorophenol-d3	10.17	165	140268	15.39	ng/ul	0.00
12) 4-Chloroaniline-d4	10.68	131	72363	6.58	ng/ul	0.00
16) Dimethylphthalate-d6	13.80	166	497025	17.31	ng/ul	0.00
17) Acenaphthylene-d8	14.09	160	631486	17.97	ng/ul	0.00
20) 4-Nitrophenol-d4	14.65	143	15094	3.59	ng/ul	0.00
21) Fluorene-d10	15.39	176	435063	17.89	ng/ul	0.00
24) 4,6-Dinitro-2-methylphenol	15.53	200	13646	4.07	ng/ul	0.00
26) Anthracene-d10	17.24	188	573665	18.81	ng/ul	0.00
30) Pyrene-d10	19.53	212	476011	20.59	ng/ul	0.00
37) Benzo(a)pyrene-d12	23.44	264	453080	19.61	ng/ul	0.00

Target Compounds

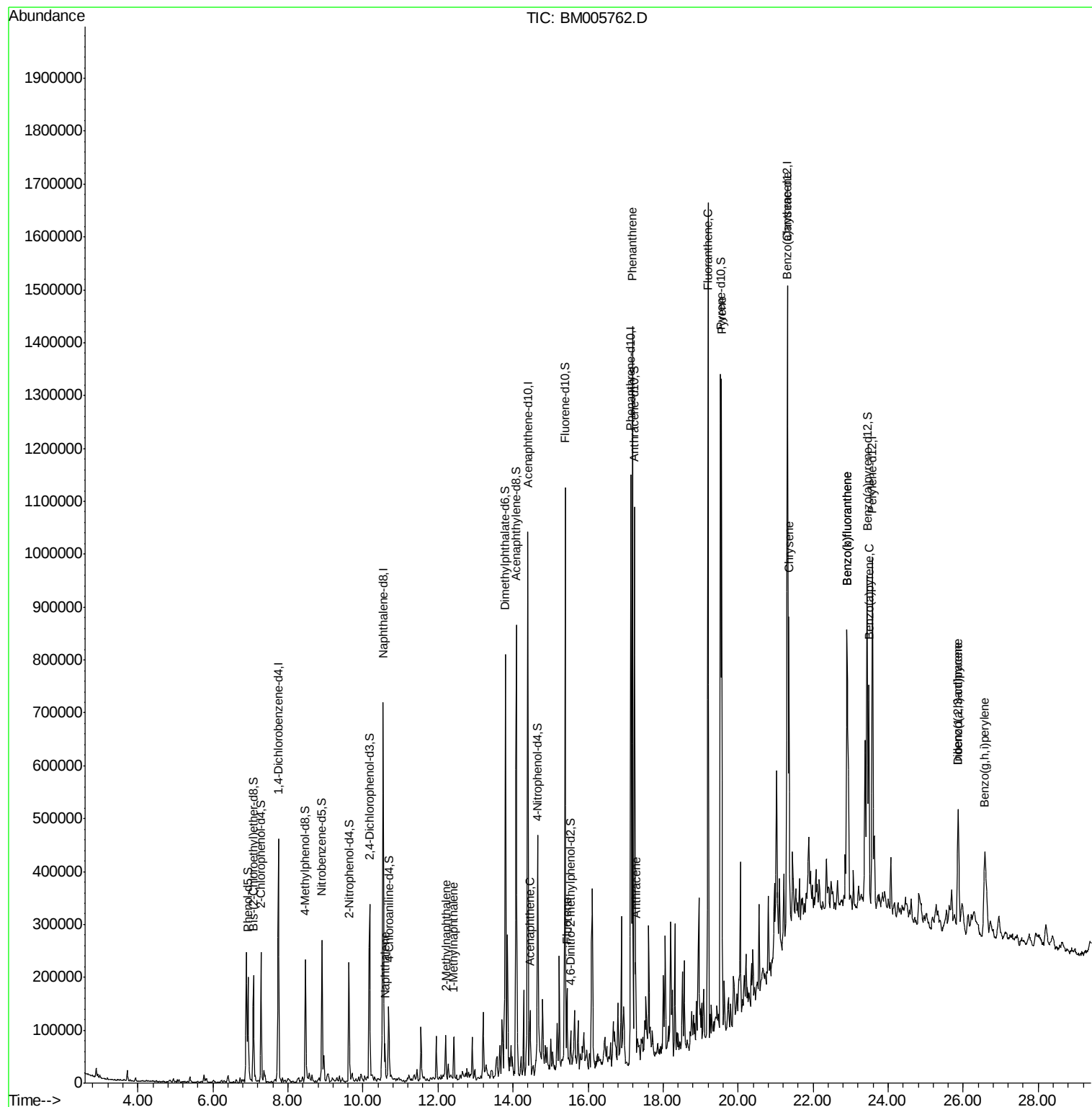
					Qvalue
11) Naphthalene	10.59	128	54458	1.76 ng/ul	99
13) 2-Methylnaphthalene	12.20	142	43971	1.89 ng/ul	99
14) 1-Methylnaphthalene	12.42	142	40880	1.78 ng/ul	97
19) Acenaphthene	14.46	153	44602	1.91 ng/ul	96
22) Fluorene	15.44	166	51755	1.94 ng/ul#	96
25) Phenanthrene	17.18	178	827489	23.35 ng/ul	99
27) Anthracene	17.27	178	116420	3.24 ng/ul	99
28) Fluoranthene	19.20	202	912168	21.91 ng/ul	98
31) Pyrene	19.56	202	730484	24.94 ng/ul	99
32) Benzo(a)anthracene	21.31	228	310034	11.16 ng/ul	97
33) Chrysene	21.36	228	343914	12.54 ng/ul	98
35) Benzo(b)fluoranthene	22.90	252	455452	15.13 ng/ul	99
36) Benzo(k)fluoranthene	22.90	252	455452	14.98 ng/ul	98
38) Benzo(a)pyrene	23.49	252	288897	10.11 ng/ul	98
39) Indeno(1,2,3-cd)pyrene	25.87	276	227769	8.17 ng/ul#	93
40) Dibenzo(a,h)anthracene	25.87	278	57433	2.46 ng/ul#	83
41) Benzo(g,h,i)perylene	26.58	276	203188	8.71 ng/ul	99

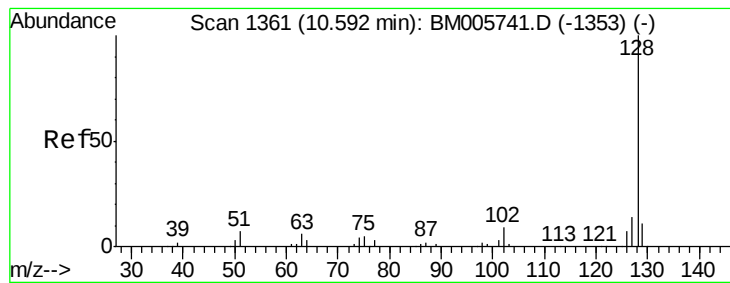
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SVOA CALIBRATION
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#11

Naphthalene

Concen: 1.76 ng/ul

RT: 10.59 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

Instrument :

BNA_M

ClientSampleId :

D9Y20

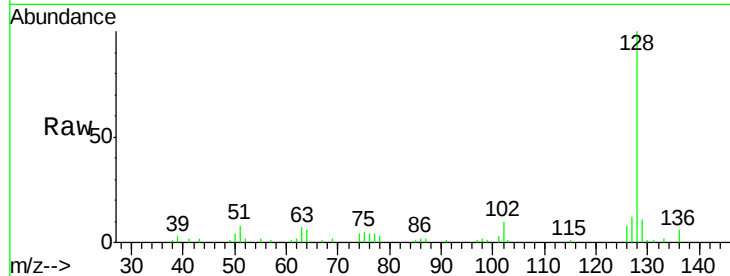
Tgt Ion:128 Resp: 54458

Ion Ratio Lower Upper

128 100

129 11.2 8.8 13.2

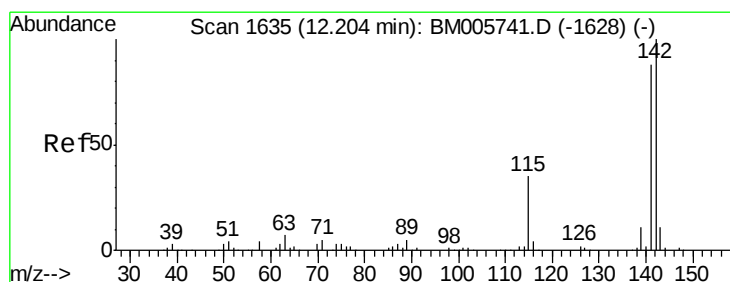
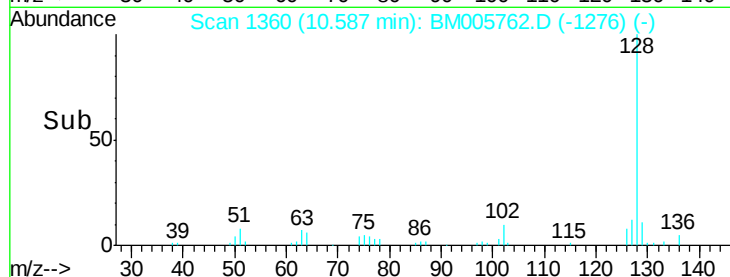
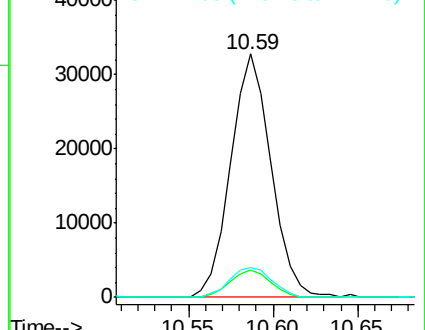
127 12.4 10.3 15.5



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#13

2-Methylnaphthalene

Concen: 1.89 ng/ul

RT: 12.20 min Scan# 1635

Delta R.T. 0.00 min

Lab File: BM005762.D

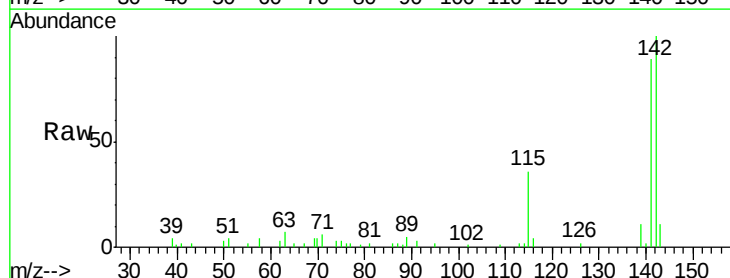
Acq: 12 Jun 2016 23:15

Tgt Ion:142 Resp: 43971

Ion Ratio Lower Upper

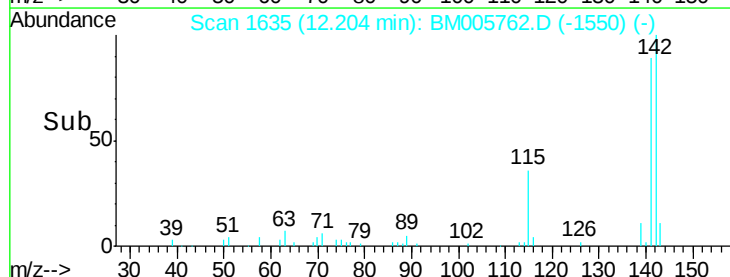
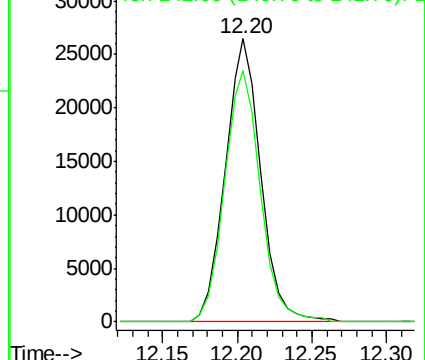
142 100

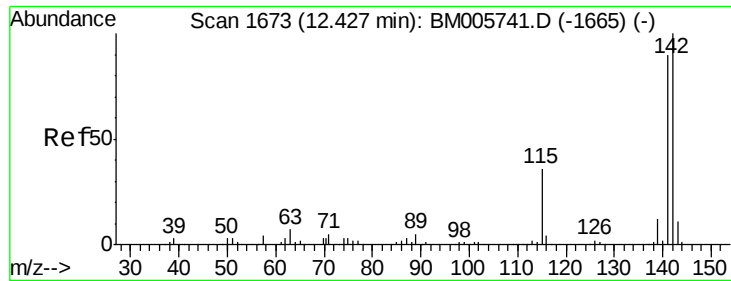
141 88.9 70.2 105.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

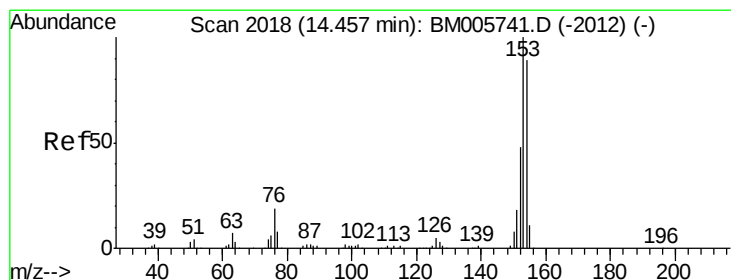
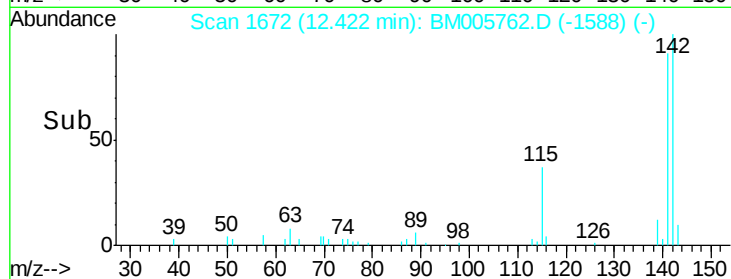
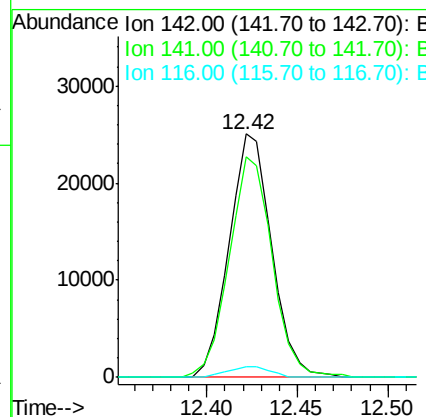
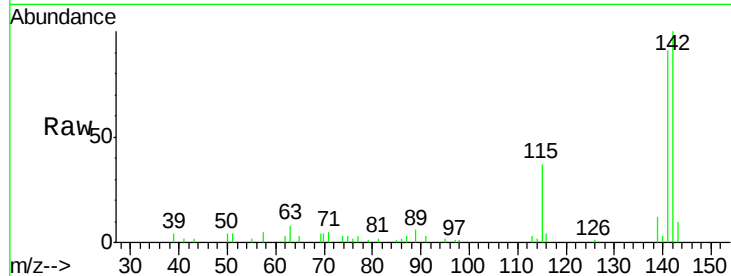




#14
 1-Methylnaphthalene
 Concen: 1.78 ng/ul
 RT: 12.42 min Scan# 1672
 Delta R.T. -0.01 min
 Lab File: BM005762.D
 Acq: 12 Jun 2016 23:15

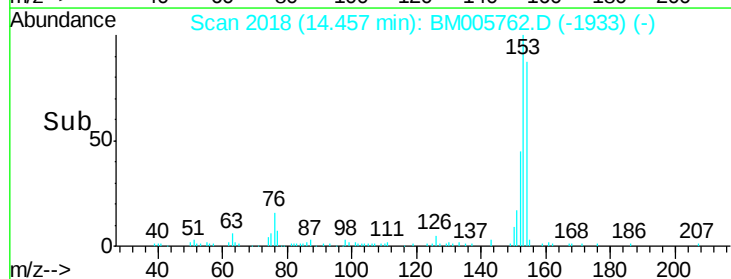
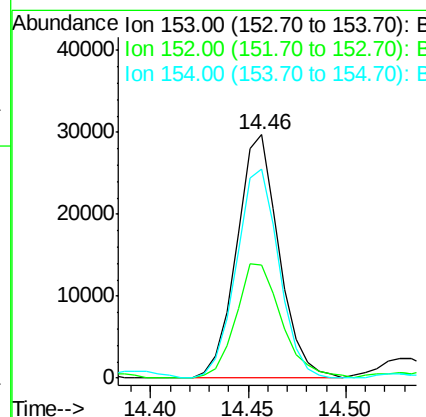
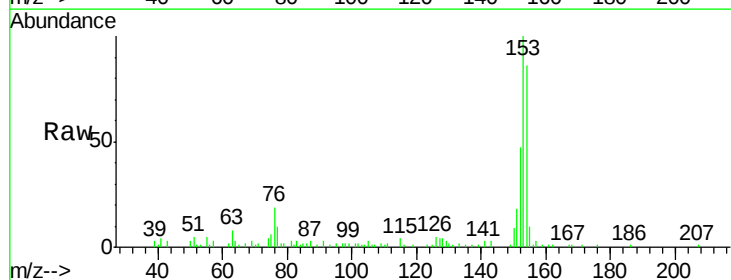
Instrument :
 BNA_M
 ClientSampleId :
 D9Y20

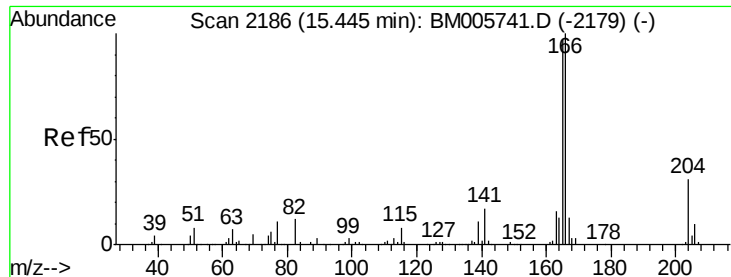
Tgt Ion:142 Resp: 40880
 Ion Ratio Lower Upper
 142 100
 141 90.7 74.6 111.8
 116 4.2 3.0 4.6



#19
 Acenaphthene
 Concen: 1.91 ng/ul
 RT: 14.46 min Scan# 2018
 Delta R.T. 0.00 min
 Lab File: BM005762.D
 Acq: 12 Jun 2016 23:15

Tgt Ion:153 Resp: 44602
 Ion Ratio Lower Upper
 153 100
 152 46.6 38.8 58.2
 154 85.7 72.5 108.7





#22

Fluorene

Concen: 1.94 ng/ul

RT: 15.44 min Scan# 2185

Delta R.T. -0.01 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

Instrument :

BNA_M

ClientSampleId :

D9Y20

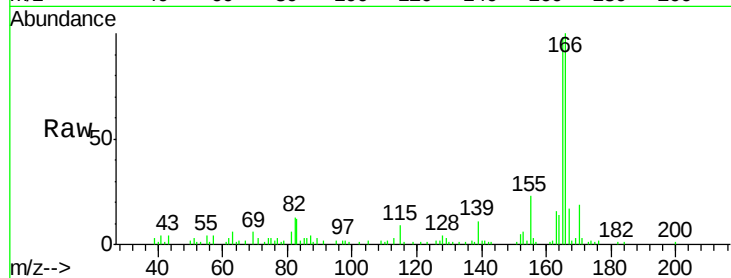
Tgt Ion:166 Resp: 51755

Ion Ratio Lower Upper

166 100

165 98.4 76.4 114.6

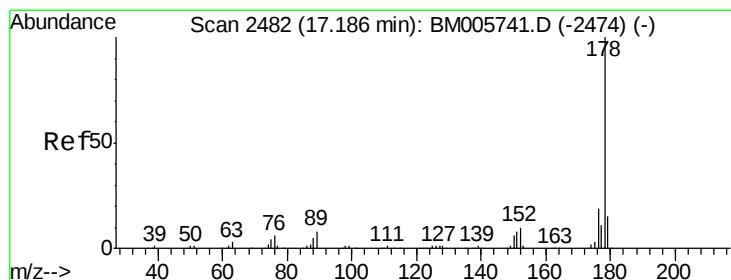
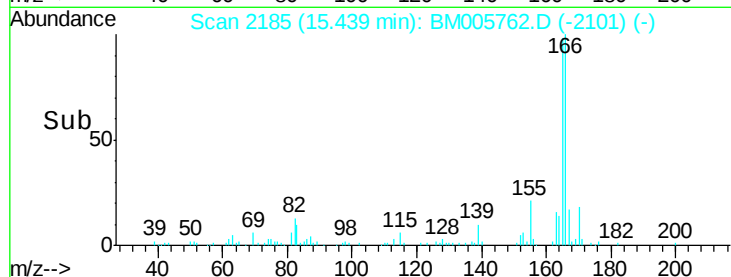
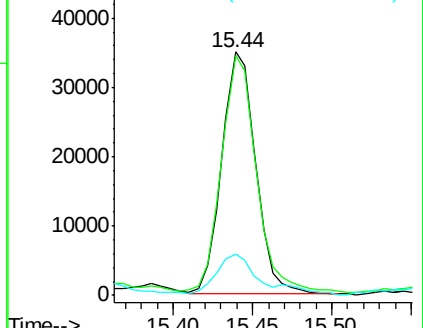
167 17.2 10.6 16.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#25

Phenanthrene

Concen: 23.35 ng/ul

RT: 17.18 min Scan# 2481

Delta R.T. -0.01 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

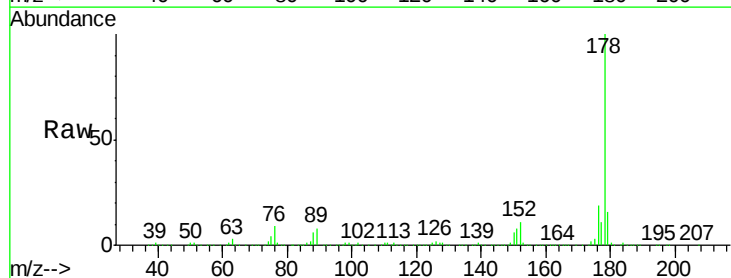
Tgt Ion:178 Resp: 827489

Ion Ratio Lower Upper

178 100

179 15.5 12.4 18.6

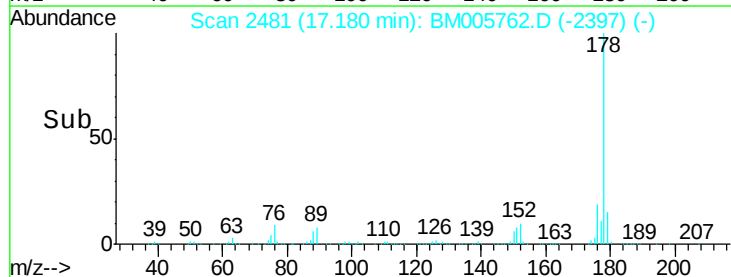
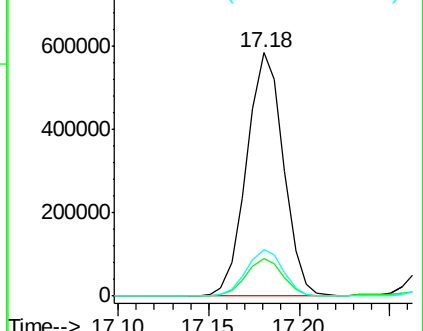
176 19.2 15.8 23.6

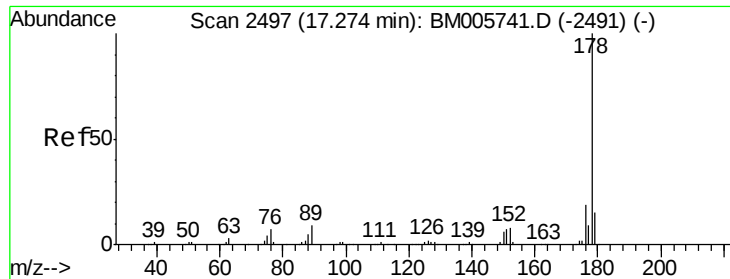


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#27

Anthracene

Concen: 3.24 ng/ul

RT: 17.27 min Scan# 2497

Delta R.T. 0.00 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

Instrument :

BNA_M

ClientSampleId :

D9Y20

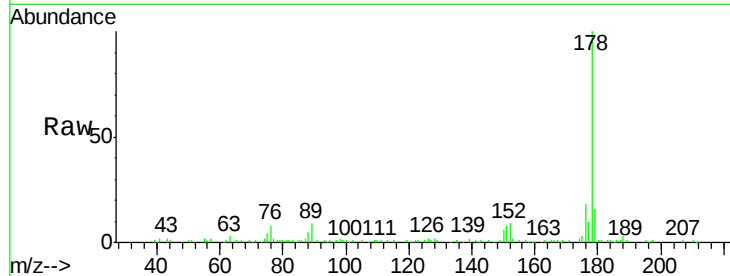
Tgt Ion:178 Resp: 116420

Ion Ratio Lower Upper

178 100

179 15.9 12.1 18.1

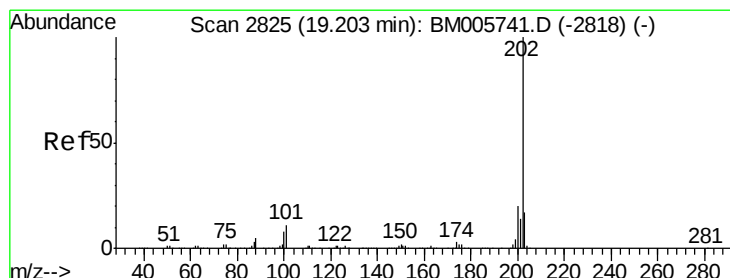
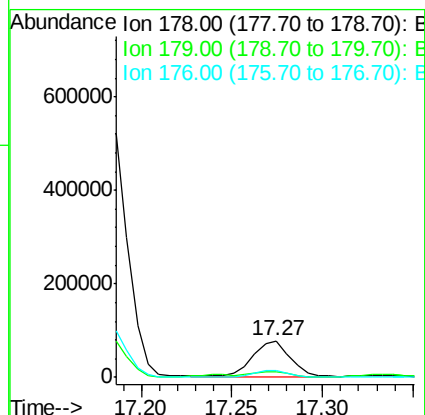
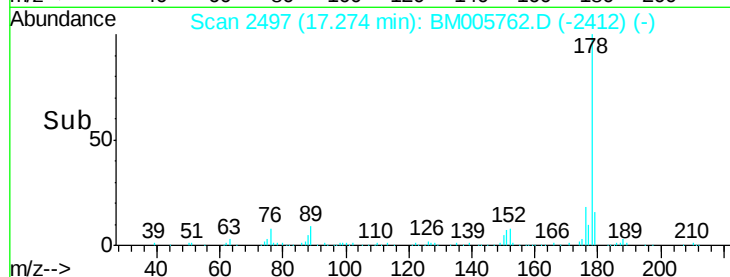
176 18.4 15.0 22.6



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: 21.91 ng/ul

RT: 19.20 min Scan# 2824

Delta R.T. -0.01 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

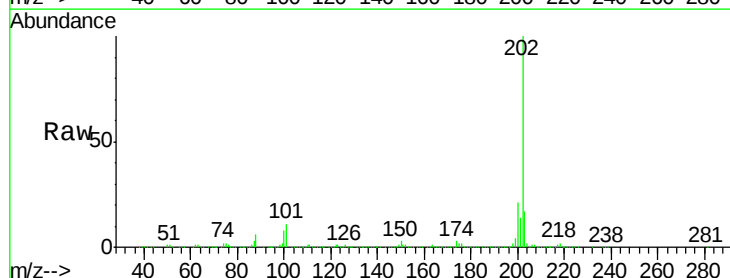
Tgt Ion:202 Resp: 912168

Ion Ratio Lower Upper

202 100

101 11.0 9.4 14.2

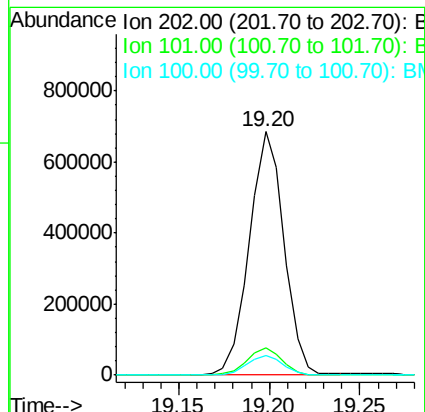
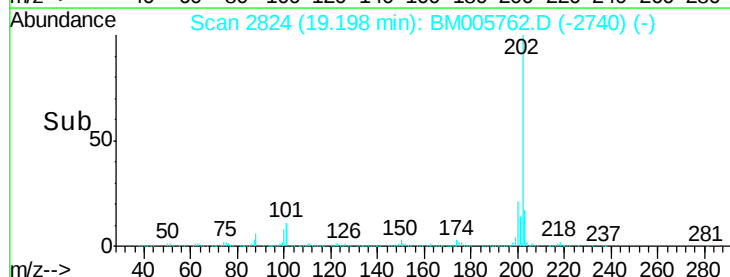
100 8.2 6.9 10.3

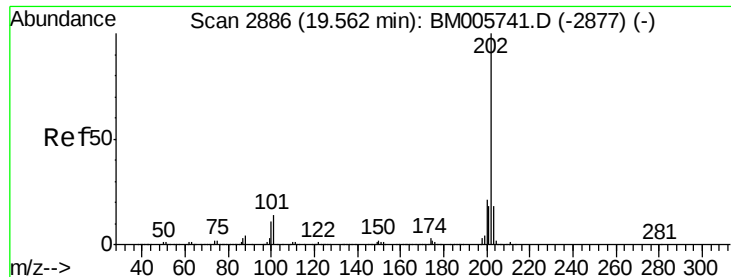


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#31

Pyrene

Concen: 24.94 ng/ul

RT: 19.56 min Scan# 2886

Delta R.T. 0.00 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

Instrument :

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D9Y20

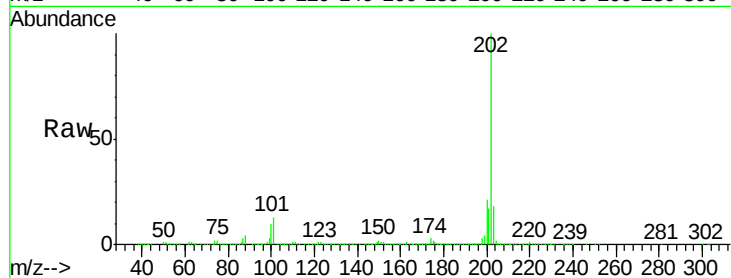
Tgt Ion:202 Resp: 730484

Ion Ratio Lower Upper

202 100

101 12.9 10.6 15.8

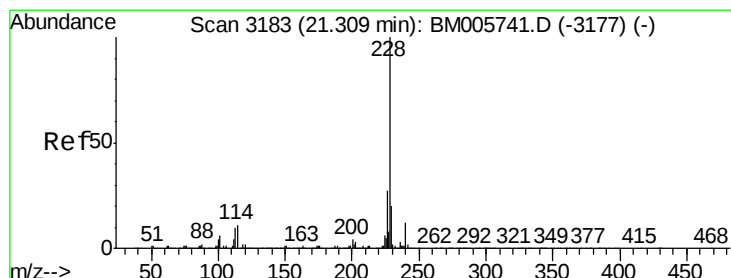
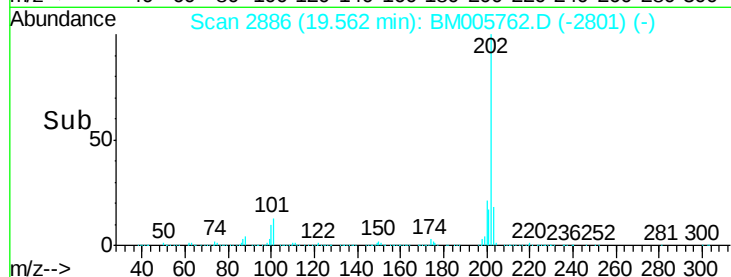
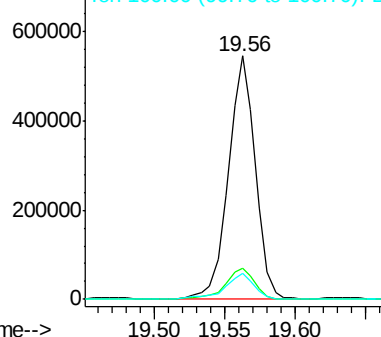
100 10.4 8.4 12.6



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



#32

Benzo(a)anthracene

Concen: 11.16 ng/ul

RT: 21.31 min Scan# 3183

Delta R.T. 0.00 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

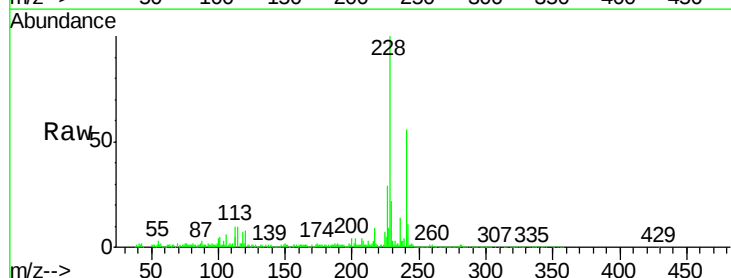
Tgt Ion:228 Resp: 310034

Ion Ratio Lower Upper

228 100

229 21.8 16.1 24.1

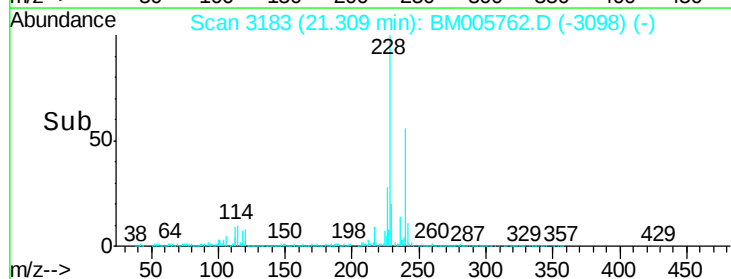
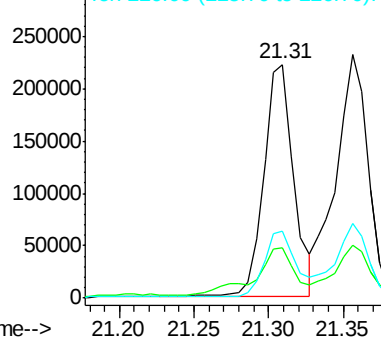
226 28.6 22.1 33.1

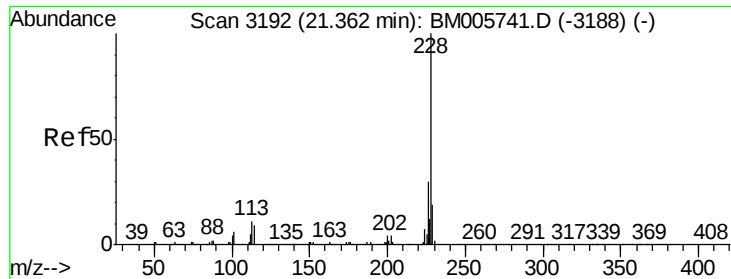


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#33

Chrysene

Concen: 12.54 ng/ul

RT: 21.36 min Scan# 3191

Delta R.T. -0.01 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

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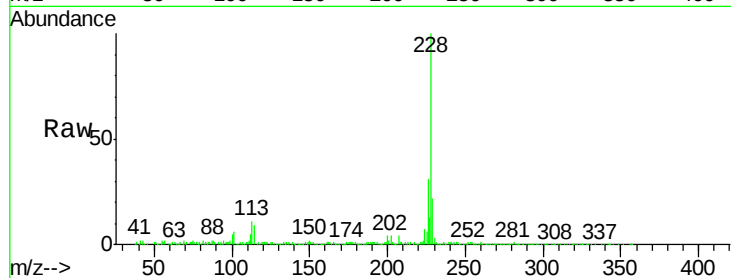
Tgt Ion:228 Resp: 343914

Ion Ratio Lower Upper

228 100

226 30.6 24.2 36.2

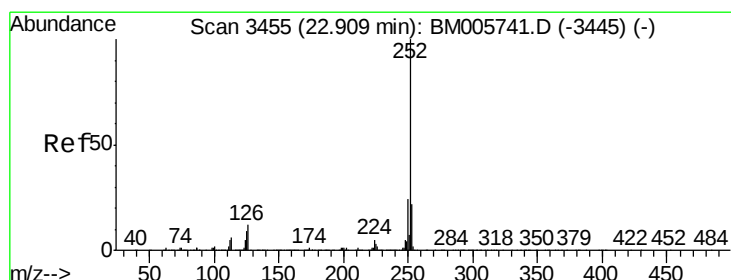
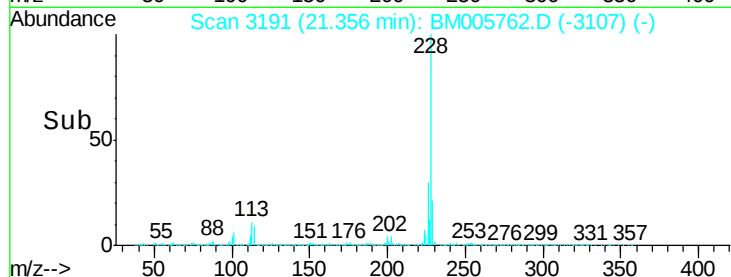
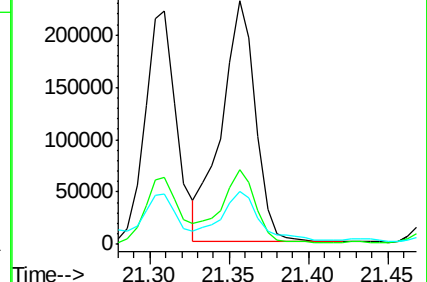
229 21.9 15.8 23.8



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: 15.13 ng/ul

RT: 22.90 min Scan# 3454

Delta R.T. -0.01 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

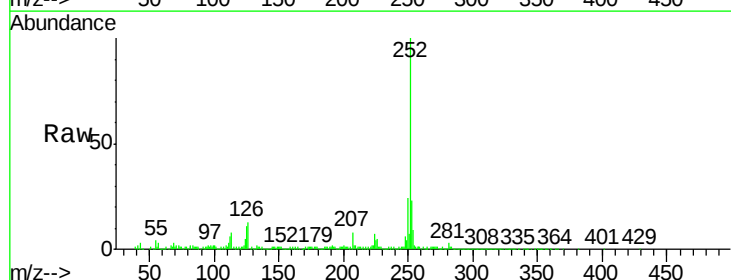
Tgt Ion:252 Resp: 455452

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

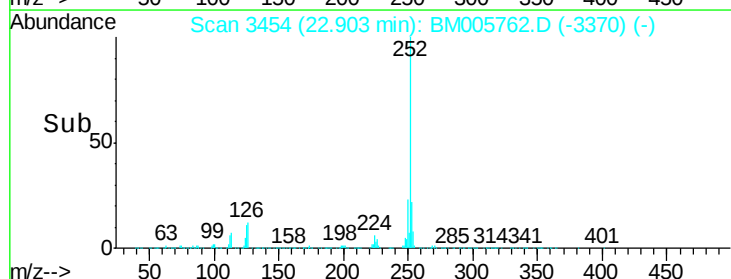
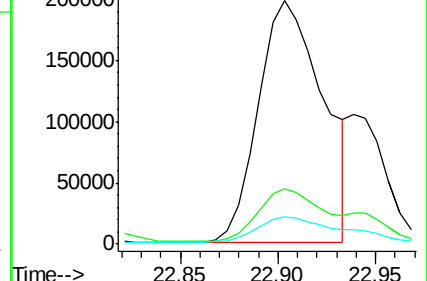
125 11.1 8.4 12.6

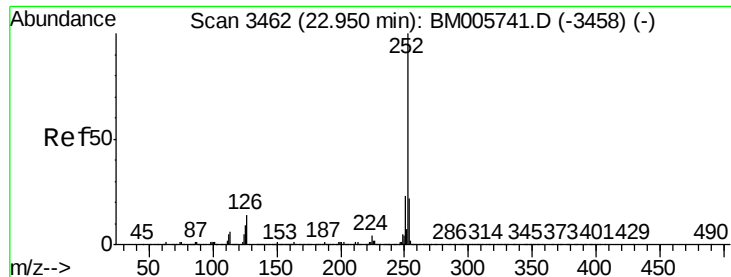


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

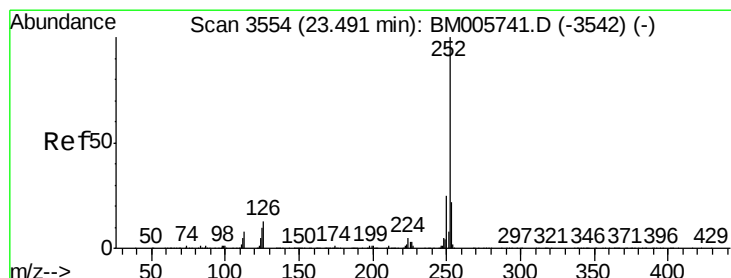
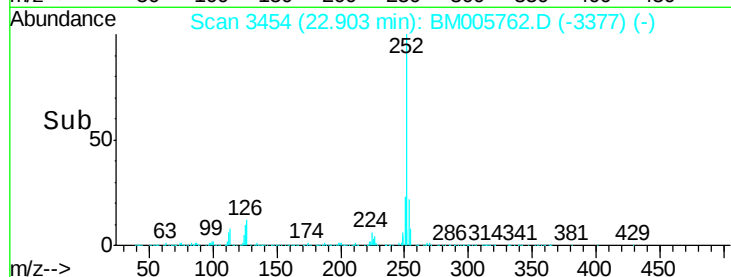
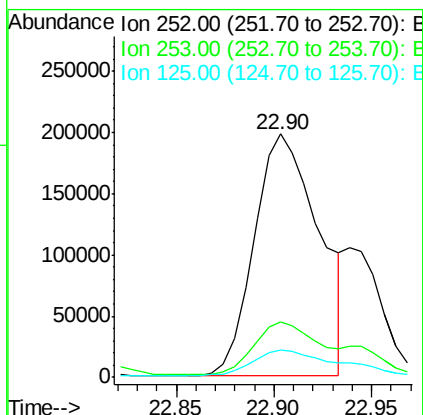
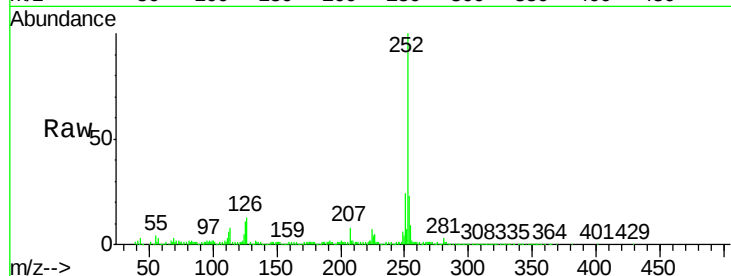




#36
Benzo(k)fluoranthene
Concen: 14.98 ng/u1
RT: 22.90 min Scan# 3454
Delta R.T. -0.05 min
Lab File: BM005762.D
Acq: 12 Jun 2016 23:15

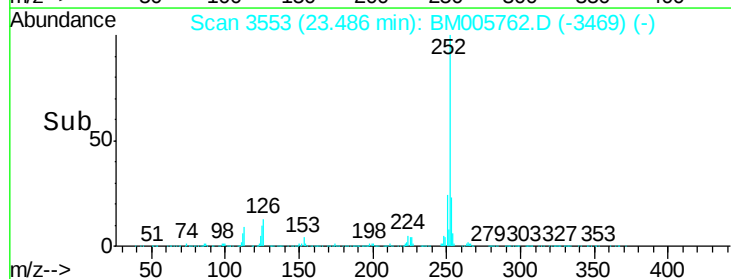
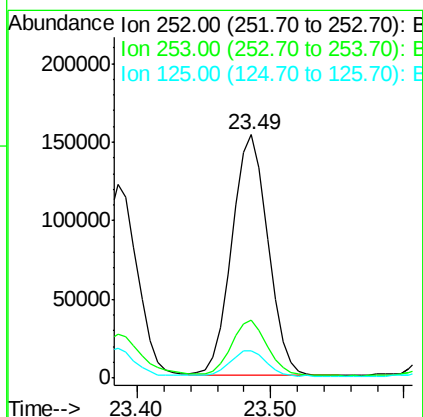
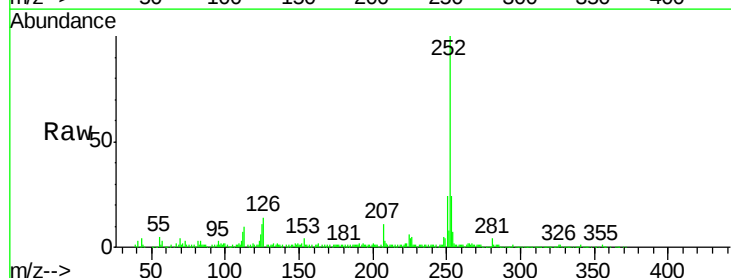
Instrument :
BNA_M
ClientSampleId :
D9Y20

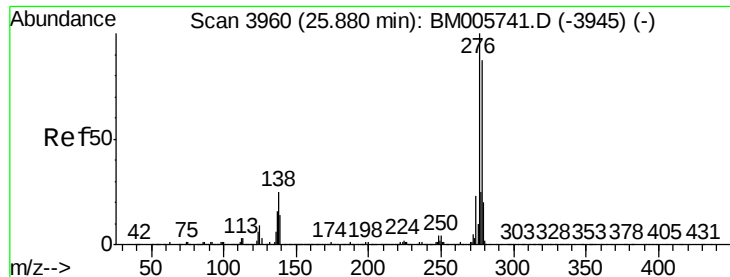
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.5	26.3
125	11.1	8.2	12.2



#38
Benzo(a)pyrene
Concen: 10.11 ng/u1
RT: 23.49 min Scan# 3553
Delta R.T. -0.01 min
Lab File: BM005762.D
Acq: 12 Jun 2016 23:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.7	17.7	26.5
125	11.2	9.1	13.7





#39

Indeno(1,2,3-cd)pyrene

Concen: 8.17 ng/ul

RT: 25.87 min Scan# 3958

Delta R.T. -0.01 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

Instrument :

BNA_M

ClientSampleId :

D9Y20

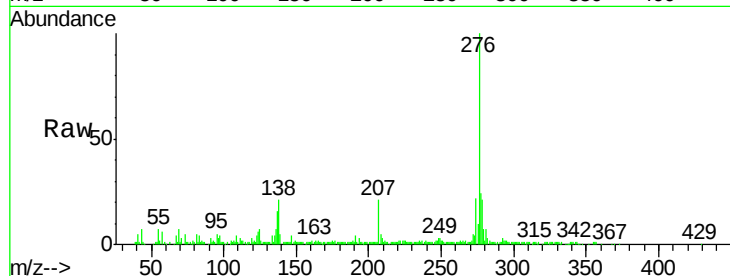
Tgt Ion: 276 Resp: 227769

Ion Ratio Lower Upper

276 100

138 21.1 21.4 32.2#

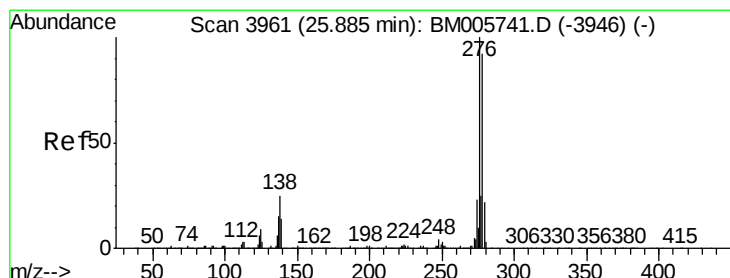
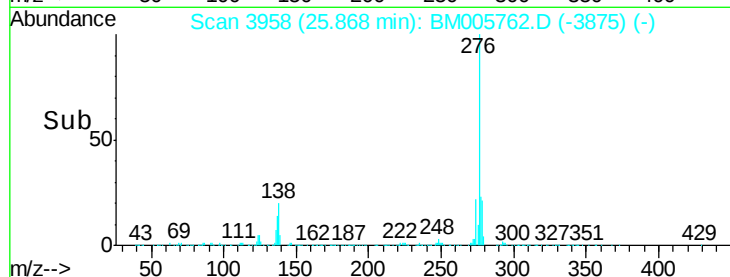
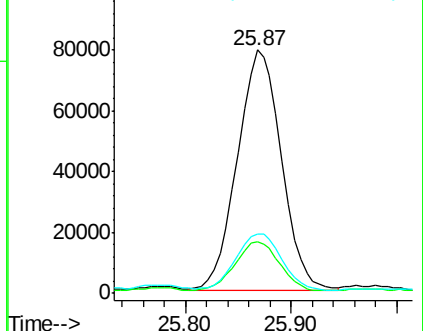
277 24.1 20.5 30.7



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: 2.46 ng/ul

RT: 25.87 min Scan# 3958

Delta R.T. -0.02 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

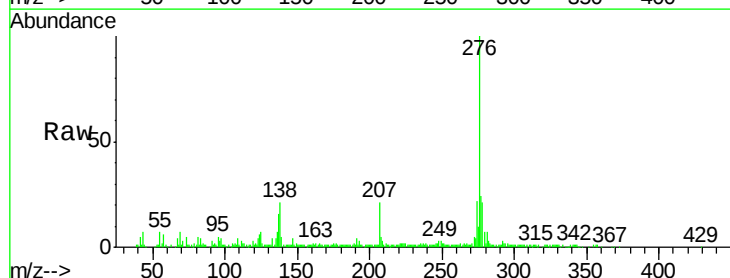
Tgt Ion: 278 Resp: 57433

Ion Ratio Lower Upper

278 100

139 25.5 14.2 21.4#

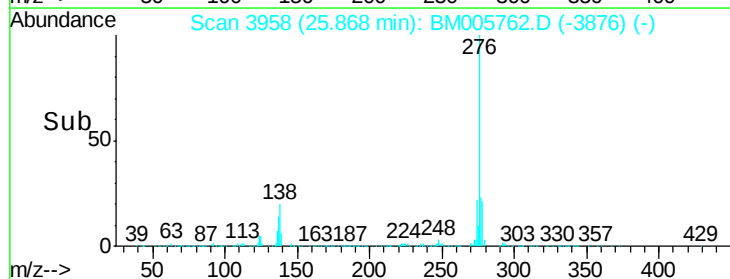
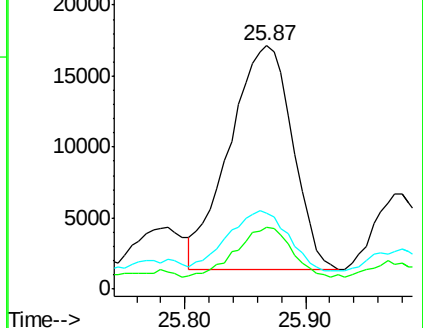
279 31.4 18.8 28.2#

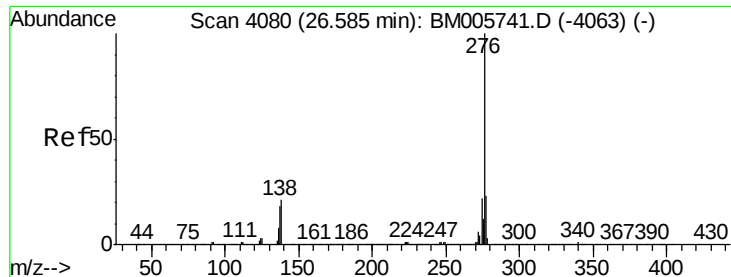


Abundance Ion 278.00 (277.70 to 278.70): E

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: 8.71 ng/ul

RT: 26.58 min Scan# 4079

Delta R.T. -0.01 min

Lab File: BM005762.D

Acq: 12 Jun 2016 23:15

Instrument :

BNA_M

ClientSampleId :

D9Y20

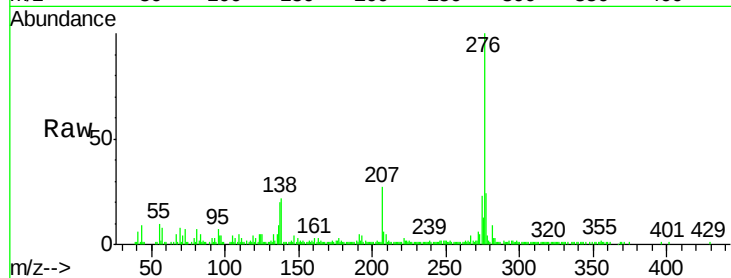
Tgt Ion: 276 Resp: 203188

Ion Ratio Lower Upper

276 100

138 22.0 18.2 27.4

277 24.0 19.5 29.3



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

