

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121816\
 Data File : BM008423.D
 Acq On : 17 Dec 2016 22:01
 Operator : UM/SJ
 Sample : H6067-13
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DA7G4

Quant Time: Dec 18 04:19:55 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-2016\SOM02.2-EPA-BM121416.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Sun Dec 18 04:15:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	141176	20.00	ng/ul	0.00
18) Naphthalene-d8	10.43	136	526011	20.00	ng/ul	0.00
35) Acenaphthene-d10	14.30	164	311882	20.00	ng/ul	0.00
61) Phenanthrene-d10	17.05	188	567450	20.00	ng/ul	0.00
75) Chrysene-d12	21.26	240	704190	20.00	ng/ul	0.00
83) Perylene-d12	23.48	264	769846	20.00	ng/ul	0.00

System Monitoring Compounds

3) 1,4-Dioxane-d8	3.23	96	14673	4.89	ng/uL	0.00
5) Phenol-d5	6.85	99	257568	23.52	ng/ul	0.00
7) Bis-(2-Chloroethyl)ether-d	7.00	67	172128	27.34	ng/ul	0.00
9) 2-Chlorophenol-d4	7.20	132	222049	26.95	ng/ul	0.00
13) 4-Methylphenol-d8	8.37	113	189543	22.34	ng/ul	0.00
19) Nitrobenzene-d5	8.82	128	111366	29.30	ng/ul	0.00
22) 2-Nitrophenol-d4	9.54	143	118496	28.13	ng/ul	0.00
26) 2,4-Dichlorophenol-d3	10.07	165	200300	25.95	ng/ul	0.00
29) 4-Chloroaniline-d4	10.60	131	163489	18.47	ng/ul	0.00
43) Dimethylphthalate-d6	13.72	166	624142	30.10	ng/ul	0.00
46) Acenaphthylene-d8	13.99	160	754462	30.79	ng/ul	0.00
51) 4-Nitrophenol-d4	14.59	143	31045	10.16	ng/ul	0.04
57) Fluorene-d10	15.30	176	514478	28.55	ng/ul	0.00
62) 4,6-Dinitro-2-methylphenol	15.46	200	54483	16.13	ng/ul	0.00
70) Anthracene-d10	17.15	188	751153	30.38	ng/ul	0.00
76) Pyrene-d10	19.46	212	875188	32.18	ng/ul	0.00
87) Benzo(a)pyrene-d12	23.34	264	970413	30.02	ng/ul	0.00

Target Compounds

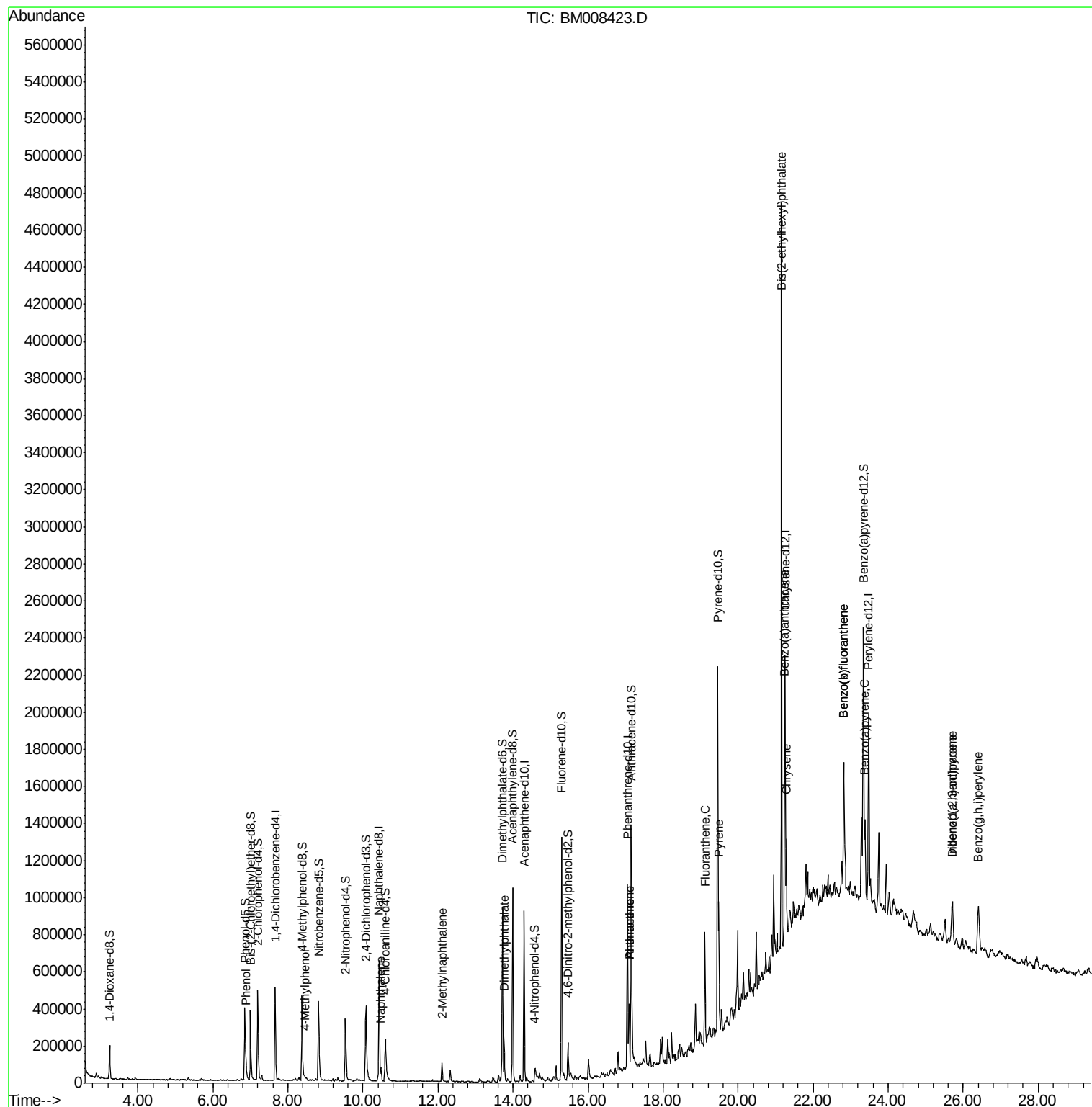
						Qvalue
6) Phenol	6.88	94	54100	4.76	ng/ul	98
16) 4-Methylphenol	8.45	108	9185	1.02	ng/ul	90
28) Naphthalene	10.48	128	53459	2.15	ng/ul	99
34) 2-Methylnaphthalene	12.11	142	54984	3.06	ng/ul	93
44) Dimethylphthalate	13.76	163	158268	7.79	ng/ul	99
69) Phenanthrene	17.10	178	195903	6.74	ng/ul	99
71) Anthracene	17.10	178	195903	6.64	ng/ul	98
74) Fluoranthene	19.12	202	345120	9.66	ng/ul	98
77) Pyrene	19.49	202	417700	12.08	ng/ul	100
80) Benzo(a)anthracene	21.24	228	276991	7.61	ng/ul	95
81) Bis(2-ethylhexyl)phthalate	21.16	149	1305996	71.92	ng/ul	99
82) Chrysene	21.29	228	338027	9.66	ng/ul	96
85) Benzo(b)fluoranthene	22.82	252	505330	12.16	ng/ul#	96
86) Benzo(k)fluoranthene	22.82	252	505330	12.71	ng/ul#	98
88) Benzo(a)pyrene	23.39	252	306260	7.65	ng/ul	98
89) Indeno(1,2,3-cd)pyrene	25.71	276	220192	4.53	ng/ul	98
90) Dibenzo(a,h)anthracene	25.70	278	77717	1.90	ng/ul#	86
91) Benzo(g,h,i)perylene	26.40	276	285708	7.03	ng/ul	98

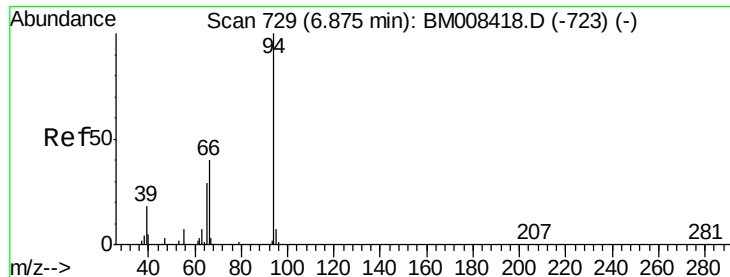
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#6

Phenol

Concen: 4.76 ng/ul

RT: 6.88 min Scan# 730

Delta R.T. 0.01 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

Instrument :

BNA_M

ClientSampleId :

DA7G4

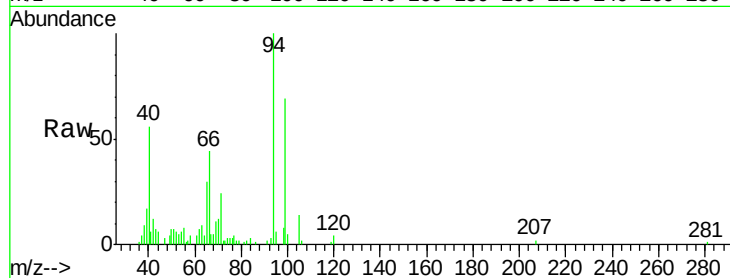
Tgt Ion: 94 Resp: 54100

Ion Ratio Lower Upper

94 100

65 30.4 22.6 34.0

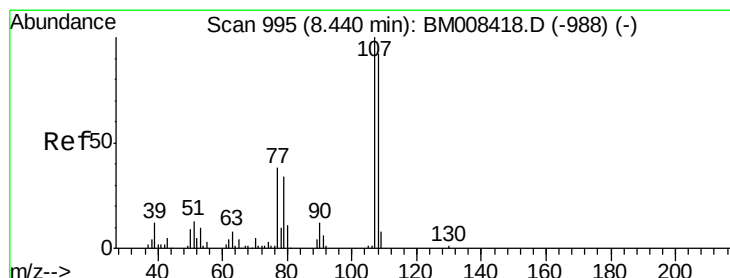
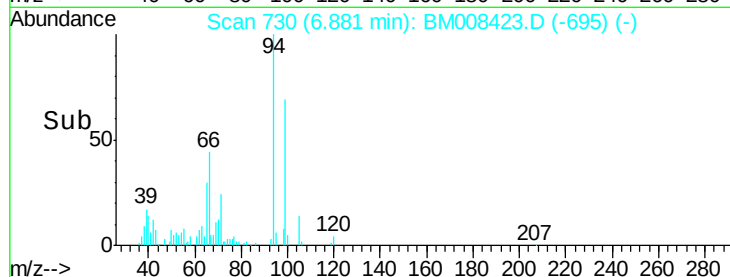
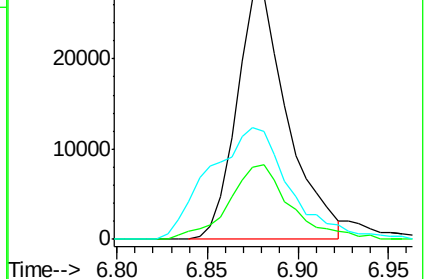
66 44.4 35.8 53.8



Abundance Ion 94.00 (93.70 to 94.70): BM008423.D (-695) (-)

Ion 65.00 (64.70 to 65.70): BM008423.D (-695) (-)

Ion 66.00 (65.70 to 66.70): BM008423.D (-695) (-)



#16

4-Methylphenol

Concen: 1.02 ng/ul

RT: 8.45 min Scan# 997

Delta R.T. 0.01 min

Lab File: BM008423.D

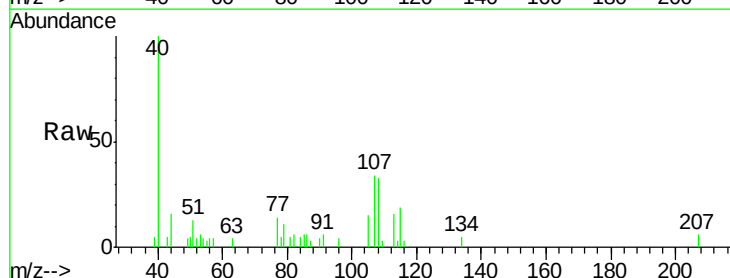
Acq: 17 Dec 2016 22:01

Tgt Ion: 108 Resp: 9185

Ion Ratio Lower Upper

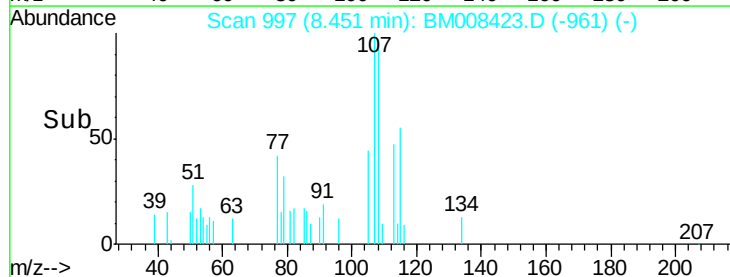
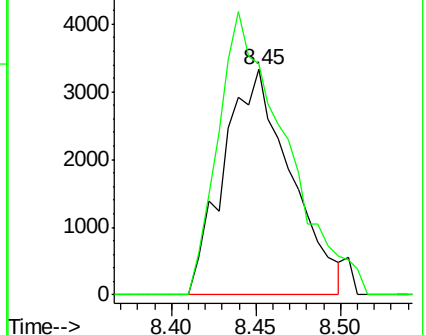
108 100

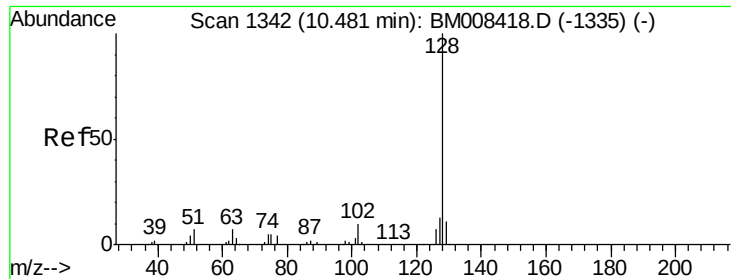
107 102.6 90.6 135.8



Abundance Ion 108.00 (107.70 to 108.70): BM008423.D (-961) (-)

Ion 107.00 (106.70 to 107.70): BM008423.D (-961) (-)

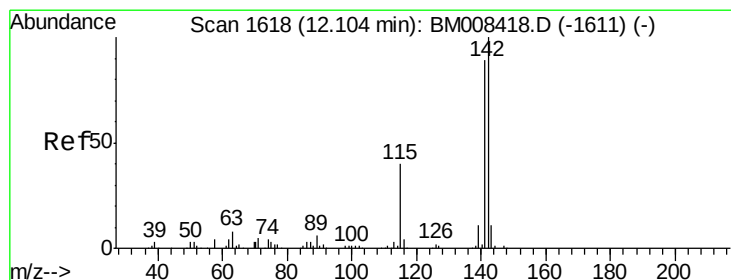
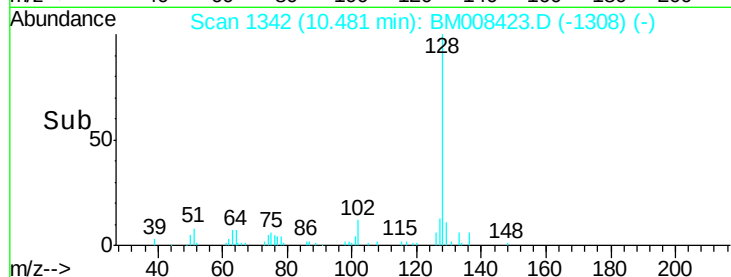
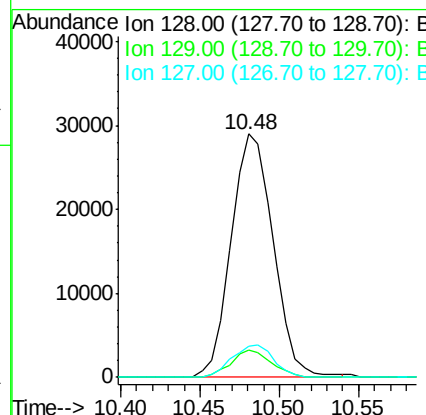
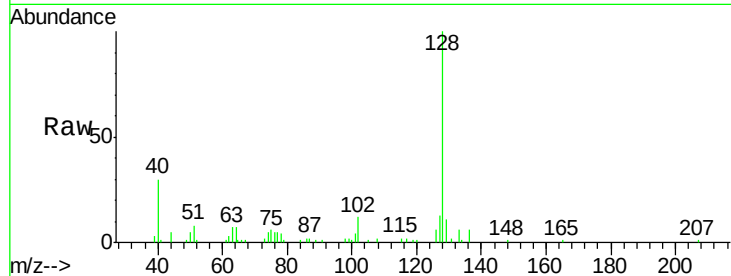




#28
Naphthalene
Concen: 2.15 ng/ul
RT: 10.48 min Scan# 1342
Delta R.T. -0.00 min
Lab File: BM008423.D
Acq: 17 Dec 2016 22:01

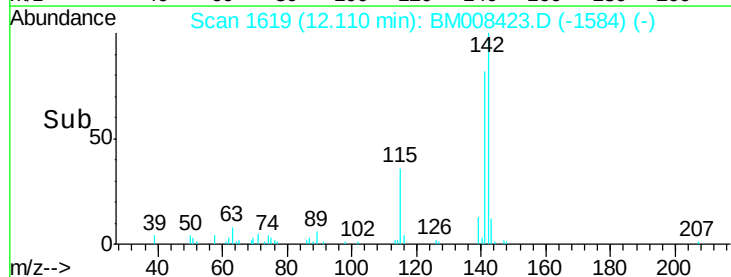
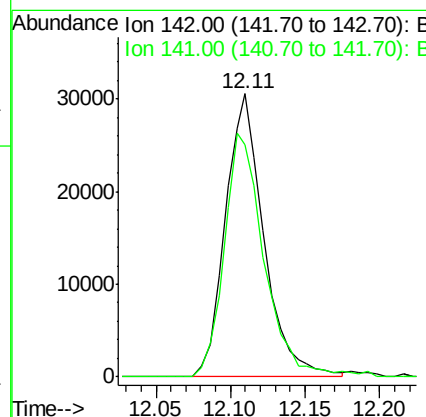
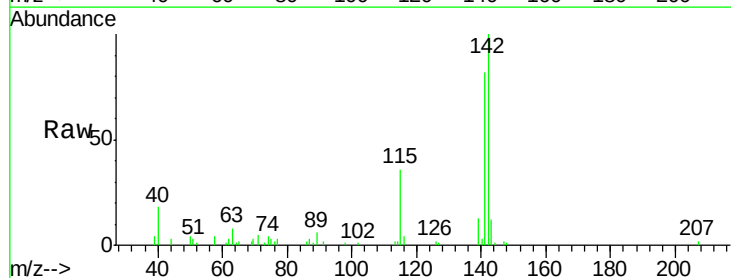
Instrument :
BNA_M
ClientSampleId :
DA7G4

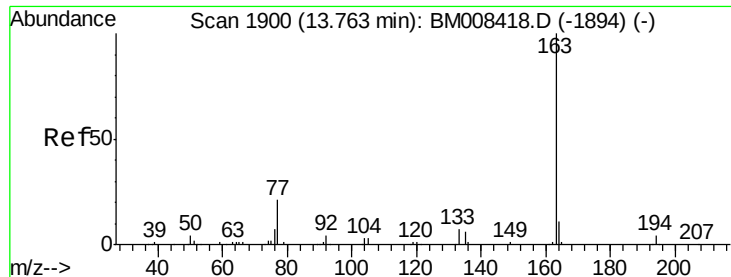
Tgt Ion:128 Resp: 53459
Ion Ratio Lower Upper
128 100
129 11.5 8.4 12.6
127 13.0 10.4 15.6



#34
2-Methylnaphthalene
Concen: 3.06 ng/ul
RT: 12.11 min Scan# 1619
Delta R.T. 0.01 min
Lab File: BM008423.D
Acq: 17 Dec 2016 22:01

Tgt Ion:142 Resp: 54984
Ion Ratio Lower Upper
142 100
141 82.2 71.1 106.7





#44

Dimethylphthalate

Concen: 7.79 ng/ul

RT: 13.76 min Scan# 1900

Delta R.T. -0.00 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

Instrument :

BNA_M

ClientSampleId :

DA7G4

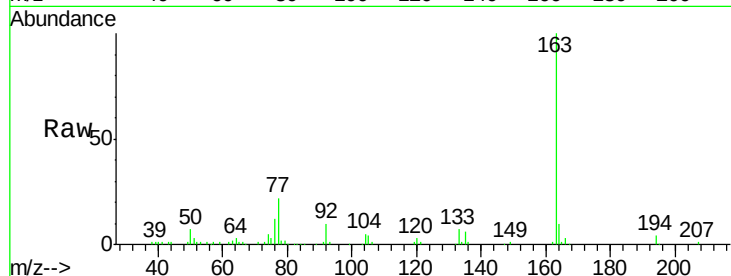
Tgt Ion:163 Resp: 158268

Ion Ratio Lower Upper

163 100

194 4.2 3.5 5.3

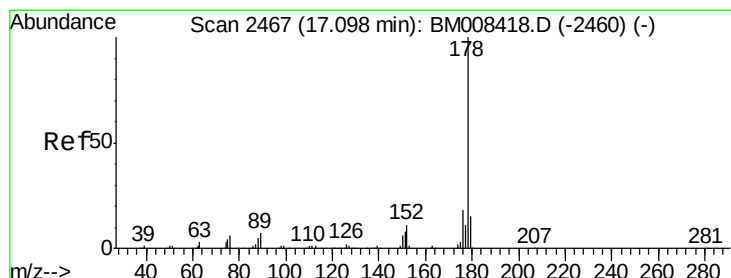
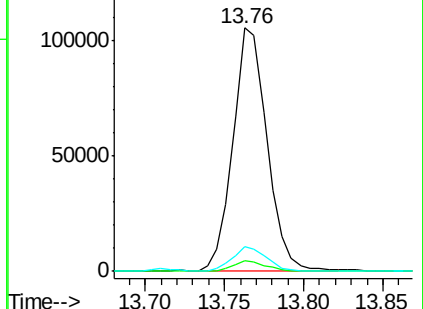
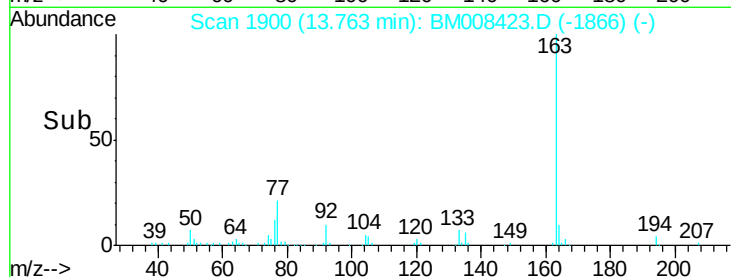
164 10.3 7.8 11.8



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#69

Phenanthrene

Concen: 6.74 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. -0.00 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

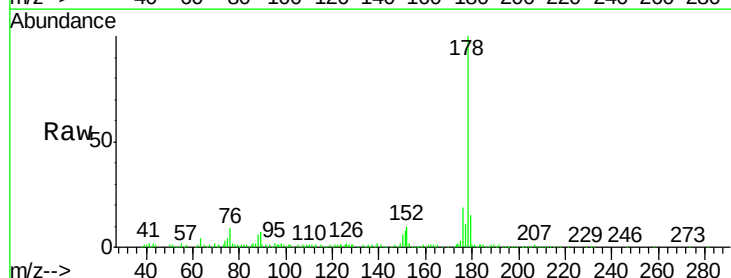
Tgt Ion:178 Resp: 195903

Ion Ratio Lower Upper

178 100

179 15.5 12.0 18.0

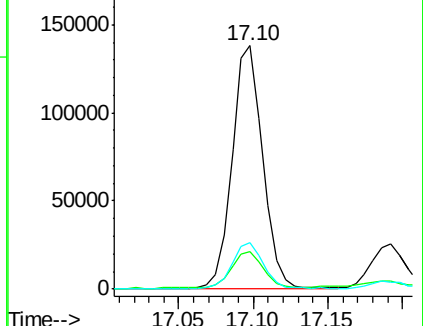
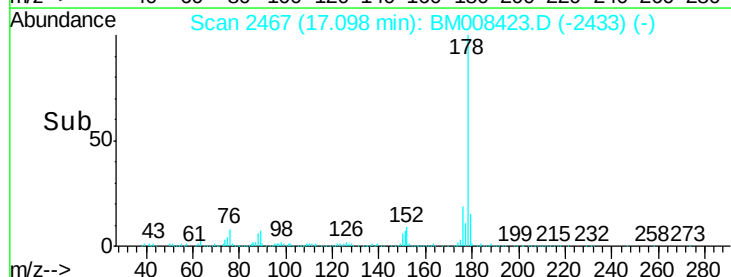
176 18.9 14.6 21.8

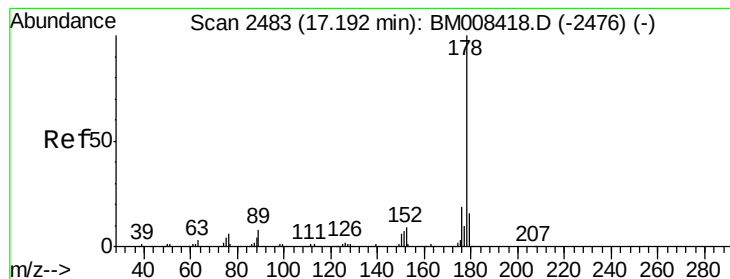


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#71

Anthracene

Concen: 6.64 ng/ul

RT: 17.10 min Scan# 2467

Delta R.T. -0.09 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

Instrument :

BNA_M

ClientSampleId :

DA7G4

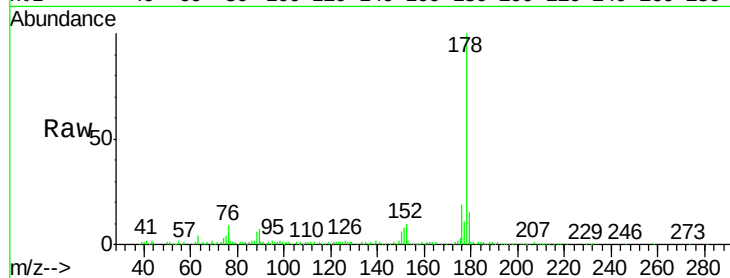
Tgt Ion:178 Resp: 195903

Ion Ratio Lower Upper

178 100

179 15.5 12.1 18.1

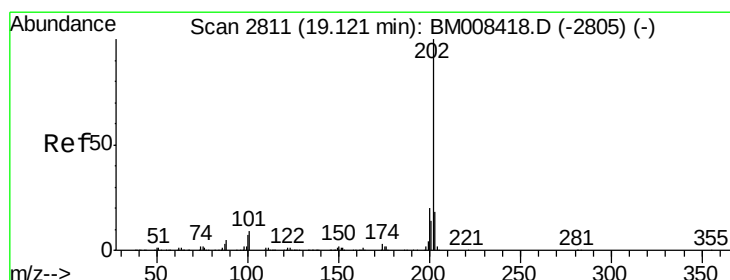
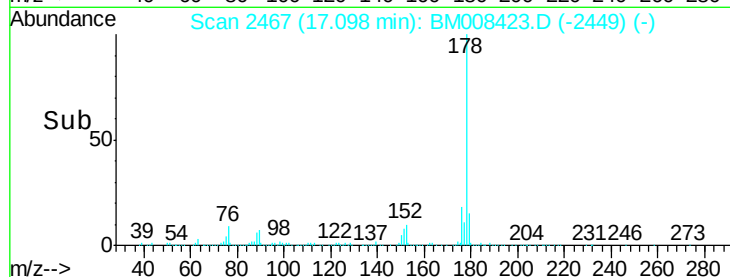
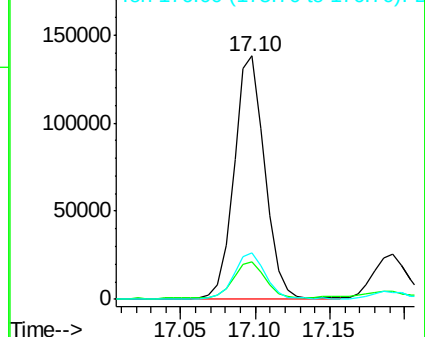
176 18.9 14.3 21.5



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



#74

Fluoranthene

Concen: 9.66 ng/ul

RT: 19.12 min Scan# 2811

Delta R.T. -0.00 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

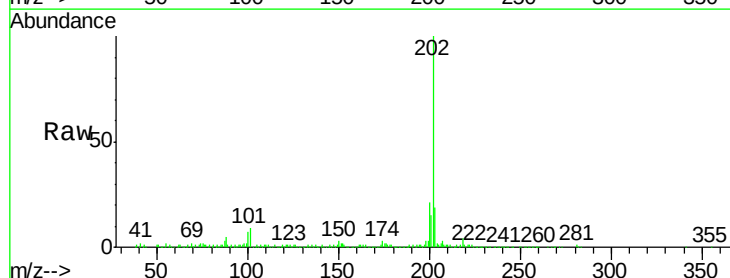
Tgt Ion:202 Resp: 345120

Ion Ratio Lower Upper

202 100

101 9.2 6.6 10.0

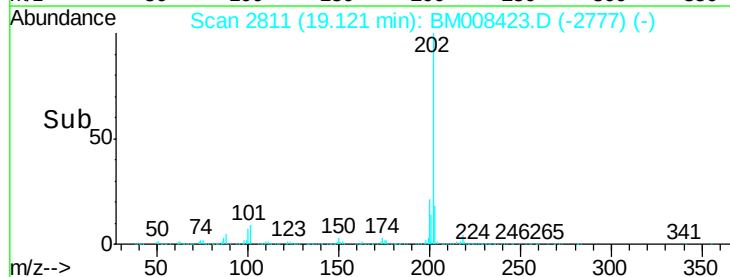
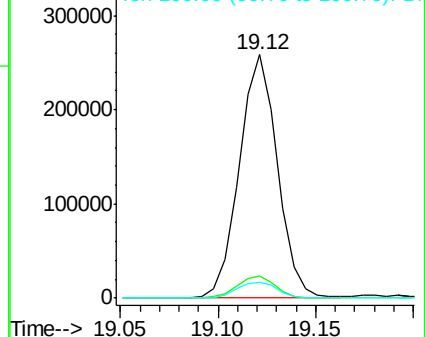
100 6.6 5.3 7.9

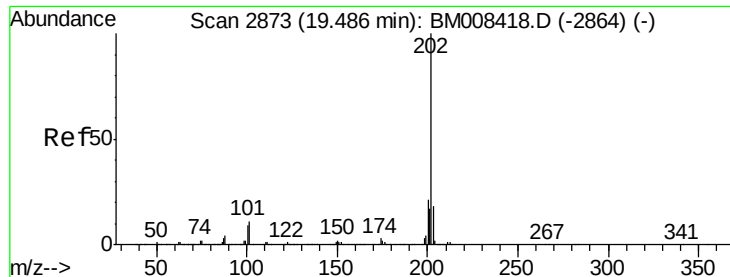


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#77

Pyrene

Concen: 12.08 ng/ul

RT: 19.49 min Scan# 2873

Delta R.T. -0.00 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

Instrument :

BNA_M

ClientSampleId :

DA7G4

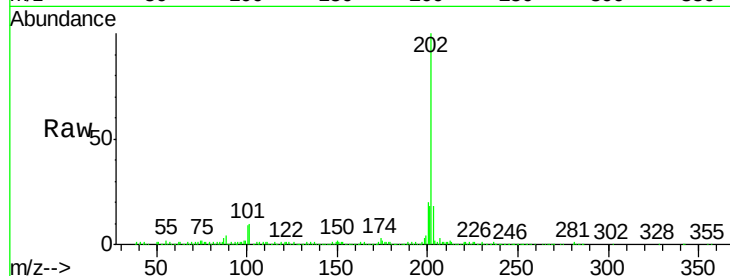
Tgt Ion:202 Resp: 417700

Ion Ratio Lower Upper

202 100

101 10.4 8.2 12.4

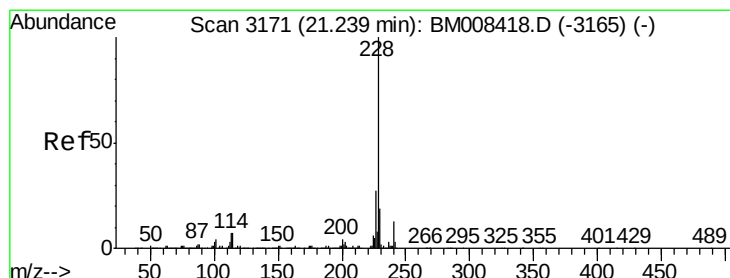
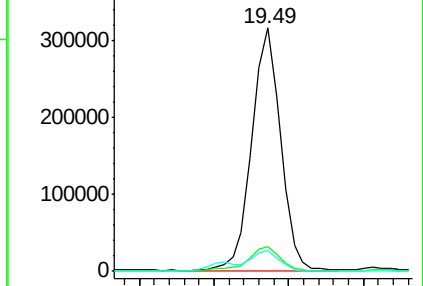
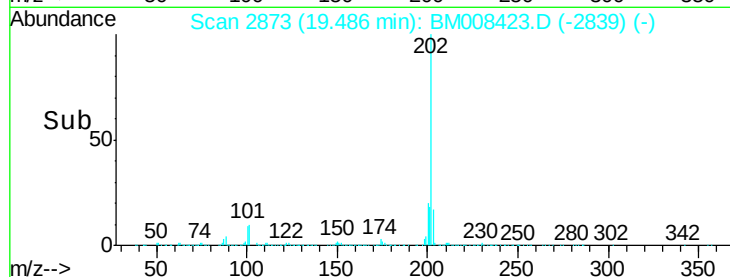
100 8.7 7.0 10.6



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



#80

Benzo(a)anthracene

Concen: 7.61 ng/ul

RT: 21.24 min Scan# 3171

Delta R.T. -0.00 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

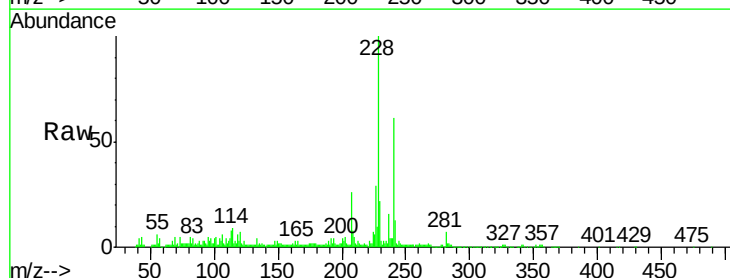
Tgt Ion:228 Resp: 276991

Ion Ratio Lower Upper

228 100

229 22.0 15.4 23.2

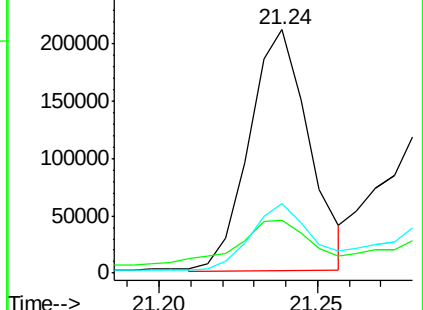
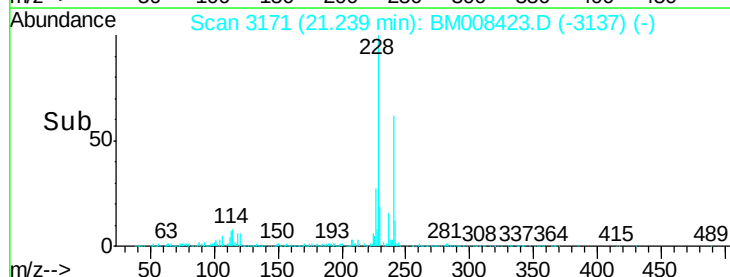
226 28.5 21.2 31.8

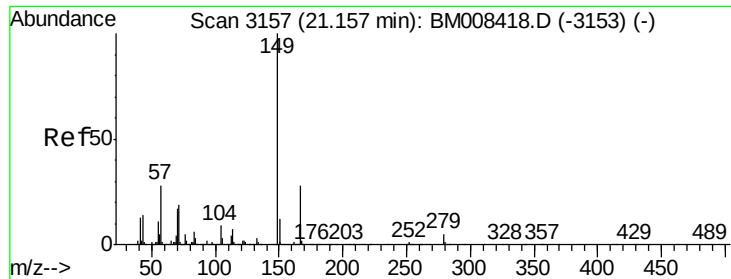


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#81

Bis(2-ethylhexyl)phthalate

Concen: 71.92 ng/ul

RT: 21.16 min Scan# 3157

Delta R.T. -0.00 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

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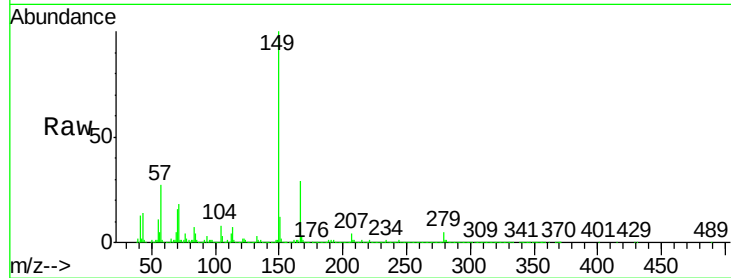
Tgt Ion:149 Resp: 1305996

Ion Ratio Lower Upper

149 100

167 28.8 22.6 34.0

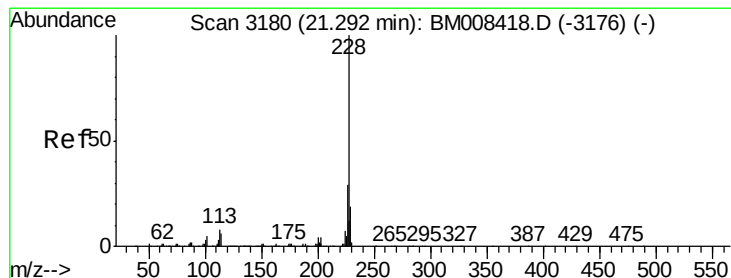
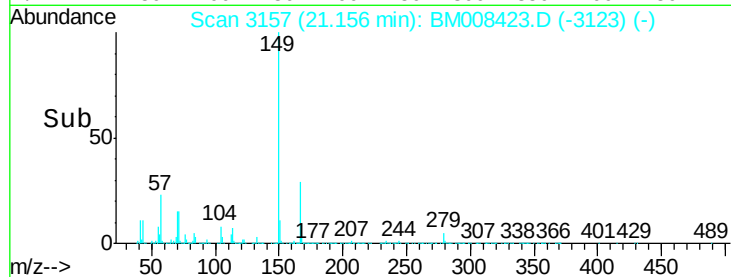
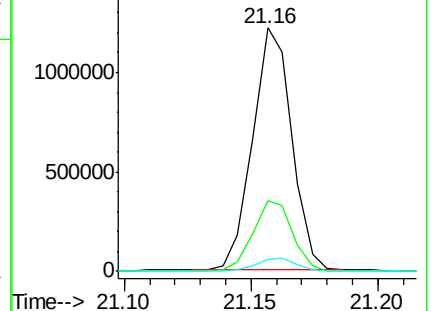
279 4.8 4.2 6.4



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#82

Chrysene

Concen: 9.66 ng/ul

RT: 21.29 min Scan# 3180

Delta R.T. -0.00 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

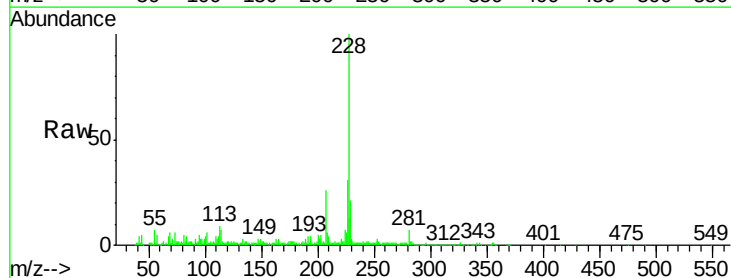
Tgt Ion:228 Resp: 338027

Ion Ratio Lower Upper

228 100

226 30.7 23.1 34.7

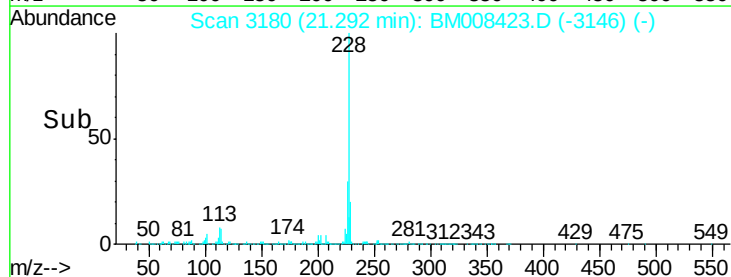
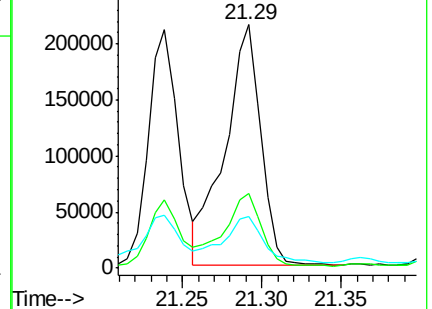
229 21.3 15.4 23.2

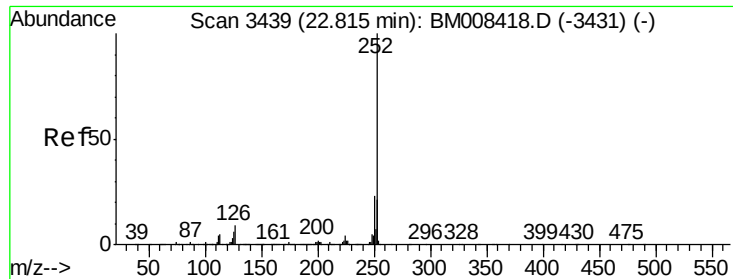


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#85

Benzo(b)fluoranthene

Concen: 12.16 ng/ul

RT: 22.82 min Scan# 3440

Delta R.T. 0.01 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

Instrument :

BNA_M

ClientSampleId :

DA7G4

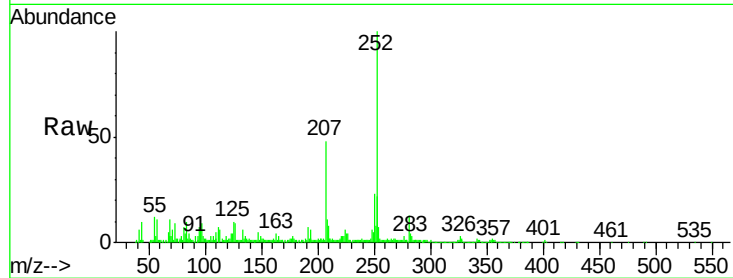
Tgt Ion:252 Resp: 505330

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

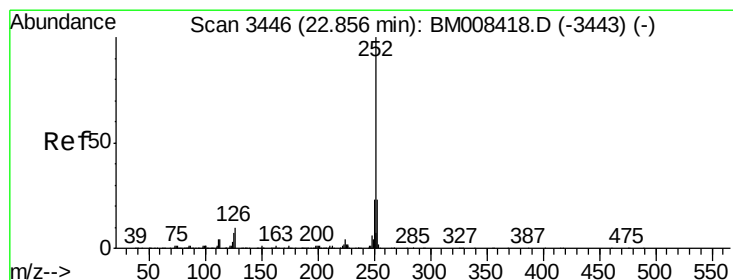
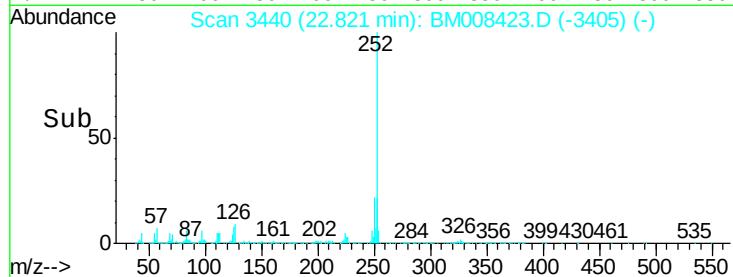
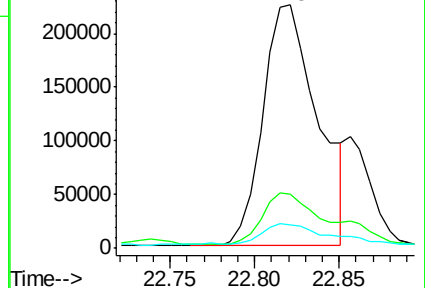
125 9.7 5.4 8.2#



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



#86

Benzo(k)fluoranthene

Concen: 12.71 ng/ul

RT: 22.82 min Scan# 3440

Delta R.T. -0.04 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

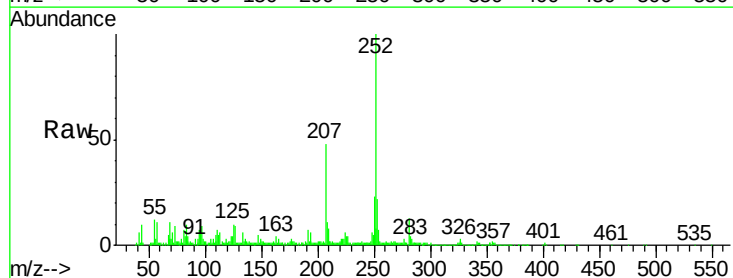
Tgt Ion:252 Resp: 505330

Ion Ratio Lower Upper

252 100

253 22.3 17.6 26.4

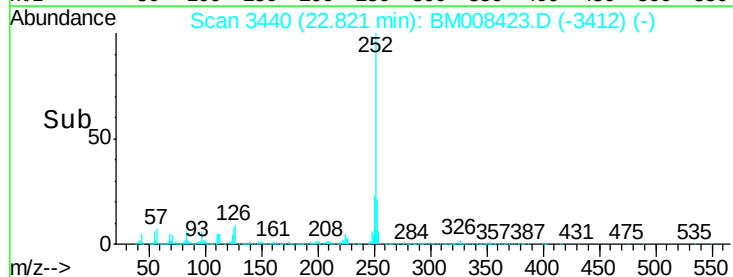
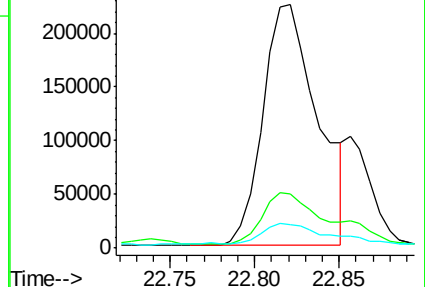
125 9.7 5.8 8.6#

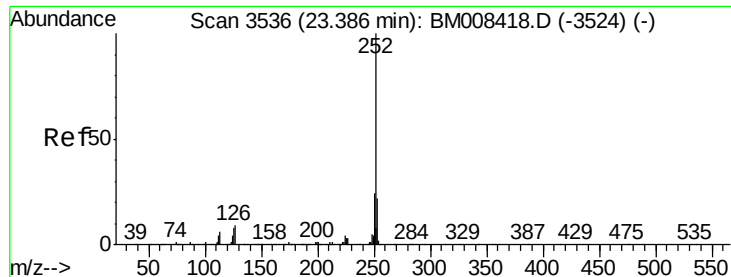


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(a)pyrene

Concen: 7.65 ng/ul

RT: 23.39 min Scan# 3536

Delta R.T. -0.00 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

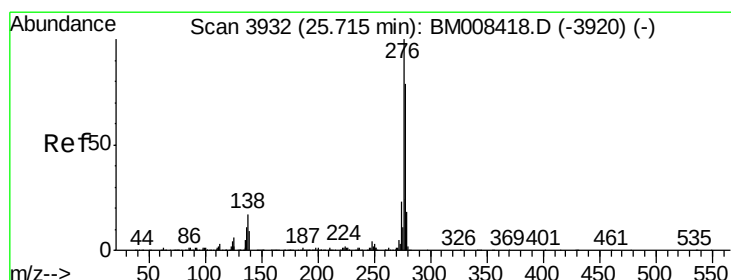
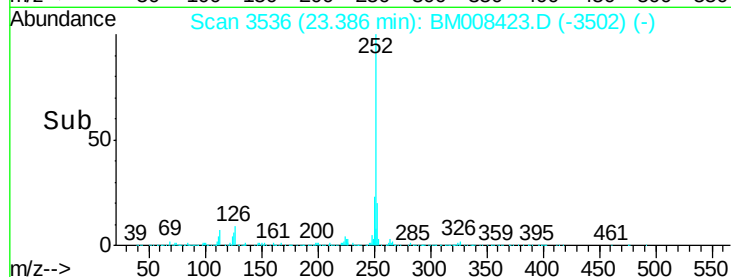
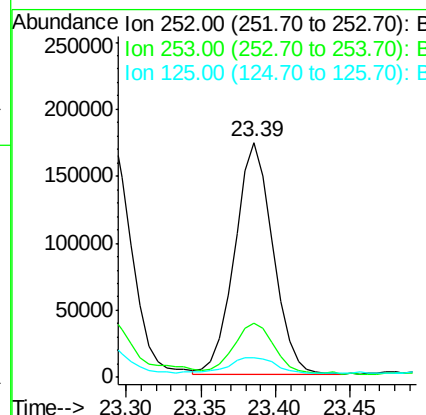
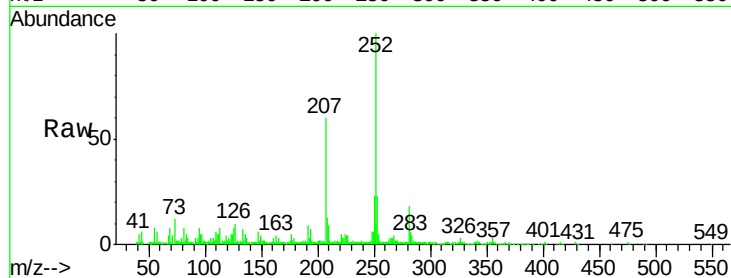
Instrument :

BNA_M

ClientSampleId :

DA7G4

Tgt Ion:	252	Resp:	306260
Ion	Ratio	Lower	Upper
252	100		
253	23.2	17.4	26.2
125	8.2	6.6	9.8



#89

Indeno(1,2,3-cd)pyrene

Concen: 4.53 ng/ul

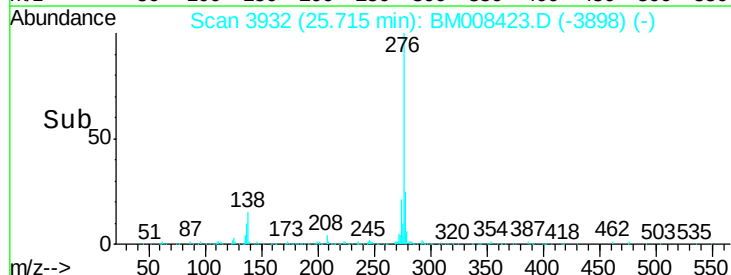
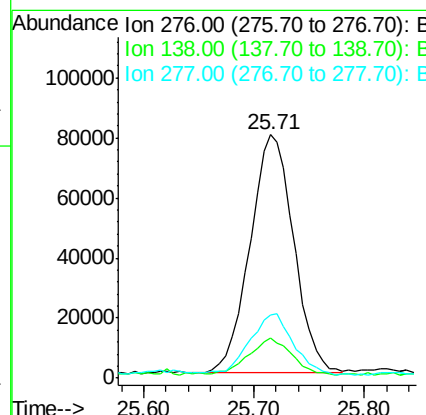
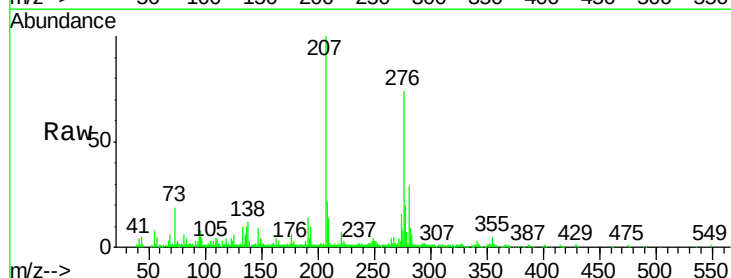
RT: 25.71 min Scan# 3932

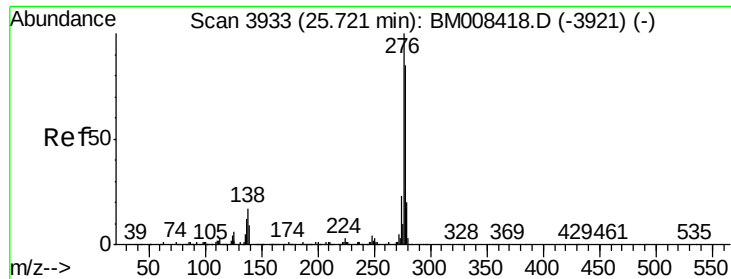
Delta R.T. -0.00 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

Tgt Ion:	276	Resp:	220192
Ion	Ratio	Lower	Upper
276	100		
138	16.3	13.4	20.2
277	25.7	19.7	29.5





#90

Dibenzo(a,h)anthracene

Concen: 1.90 ng/ul

RT: 25.70 min Scan# 3930

Delta R.T. -0.02 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

Instrument :

BNA_M

ClientSampleId :

DA7G4

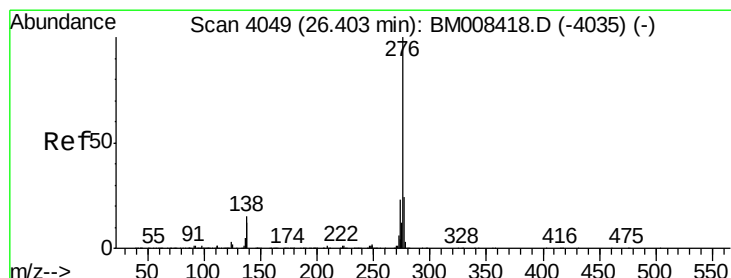
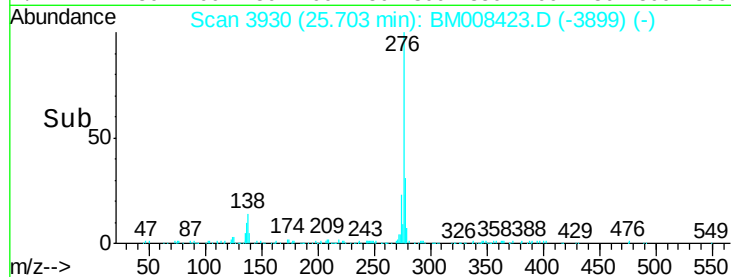
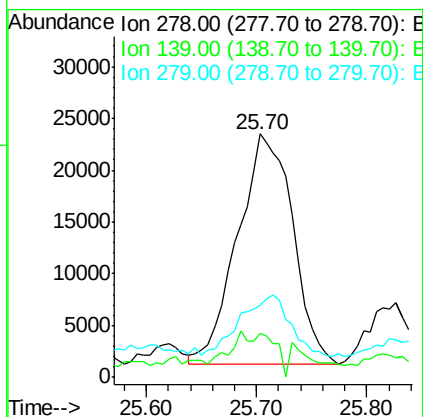
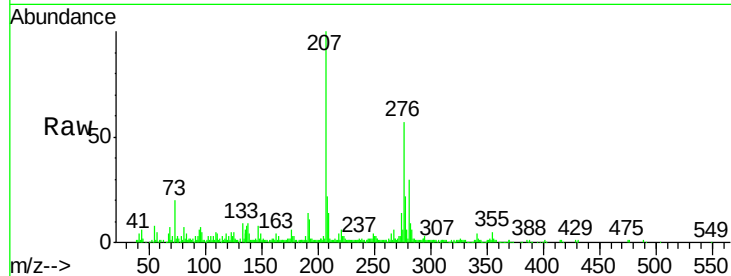
Tgt Ion:278 Resp: 77717

Ion Ratio Lower Upper

278 100

139 18.1 9.4 14.0#

279 29.7 18.6 28.0#



#91

Benzo(g,h,i)perylene

Concen: 7.03 ng/ul

RT: 26.40 min Scan# 4049

Delta R.T. -0.00 min

Lab File: BM008423.D

Acq: 17 Dec 2016 22:01

Tgt Ion:276 Resp: 285708

Ion Ratio Lower Upper

276 100

138 16.2 12.0 18.0

277 23.8 19.4 29.0

