

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002421.D
 Acq On : 15 Aug 2015 12:56
 Operator : UM/IZ
 Sample : G3219-19
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 02:57:10 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 02:54:04 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	170250	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	783121	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	412587	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	825343	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	598319	20.00	ng/ul	0.00
22) Perylene-d12	24.89	264	499637	20.00	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	617052	14.63	ng/ul	0.00
10) Fluorene-d10	16.42	176	411020	13.87	ng/ul	0.00
14) Anthracene-d10	18.25	188	567892	14.26	ng/ul	0.00
18) Pyrene-d10	20.47	212	516512	19.48	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.72	264	359829	13.71	ng/ul	0.01

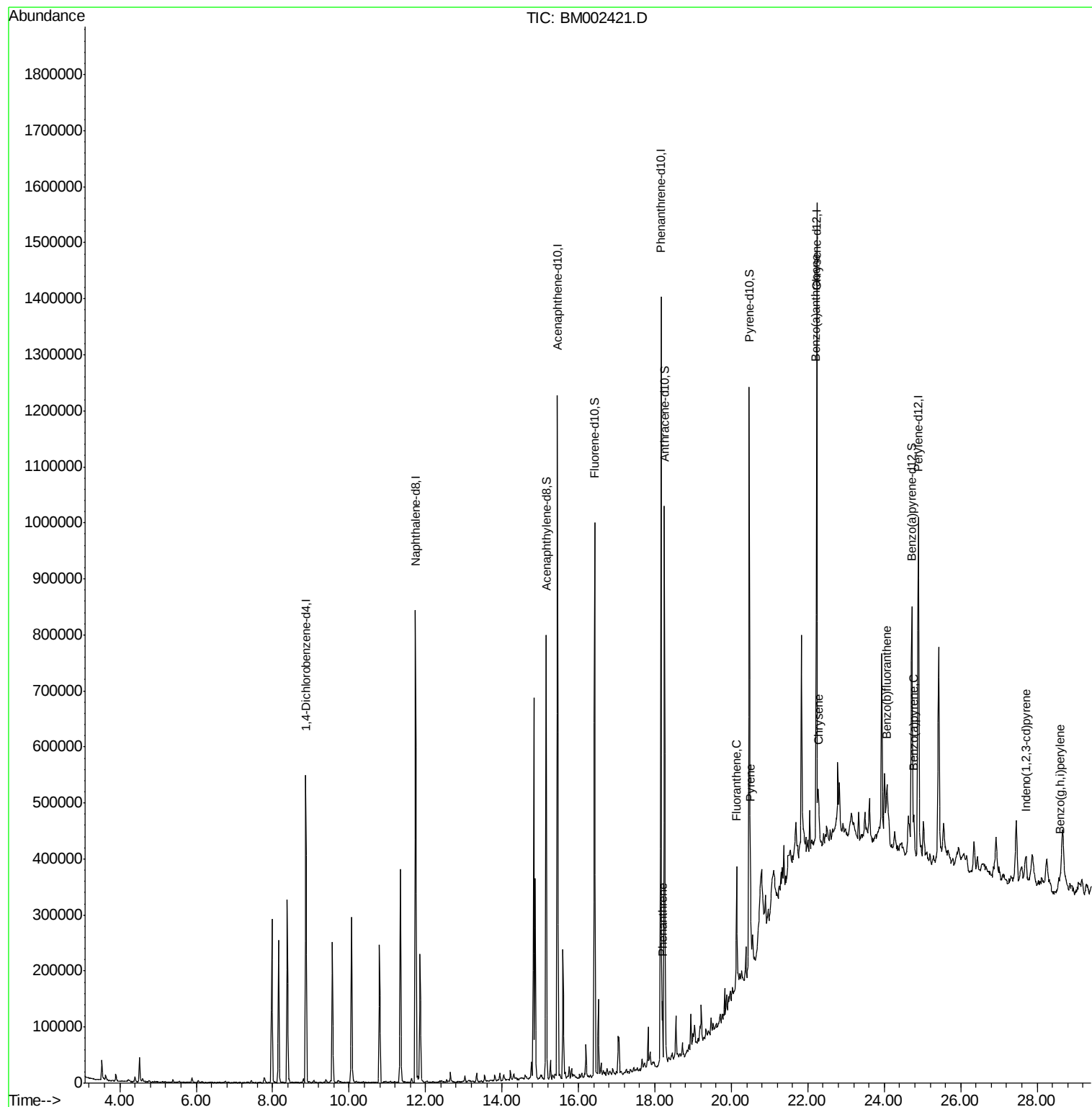
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Phenanthrene	18.20	178	68278	1.43	ng/ul	98
16) Fluoranthene	20.14	202	123079	2.28	ng/ul	99
19) Pyrene	20.50	202	101236	2.89	ng/ul	99
20) Benzo(a)anthracene	22.22	228	53181	1.49	ng/ul#	92
21) Chrysene	22.27	228	62562	1.87	ng/ul#	94
23) Benzo(b)fluoranthene	24.07	252	82279	2.72	ng/ul#	91
26) Benzo(a)pyrene	24.77	252	49063	1.70	ng/ul#	92
27) Indeno(1,2,3-cd)pyrene	27.70	276	40191	1.21	ng/ul	98
29) Benzo(g,h,i)perylene	28.59	276	38449	1.39	ng/ul#	91

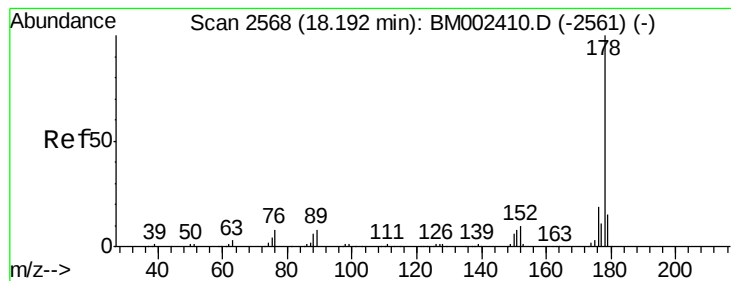
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Phenanthrene

Concen: 1.43 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. 0.01 min

Lab File: BM002421.D

Acq: 15 Aug 2015 12:56

Instrument :

BNA_M

ClientSampleId :

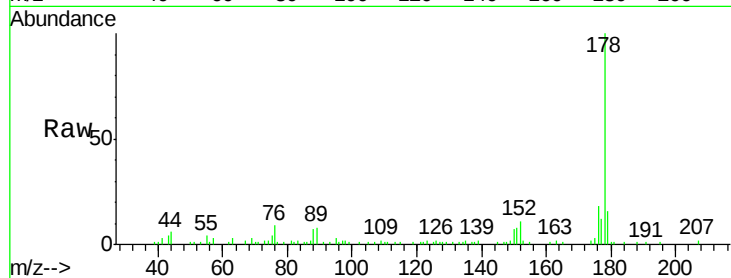
Tot Ion:178 Resp: 68278

Ion Ratio Lower Upper

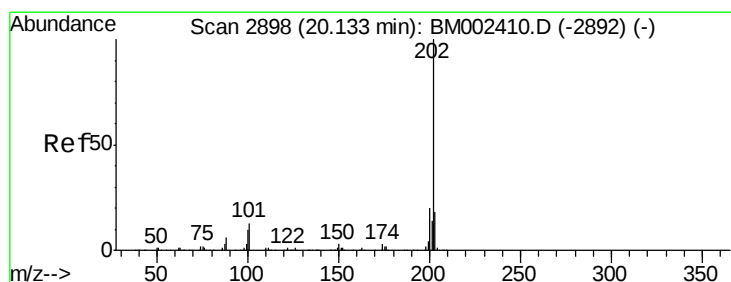
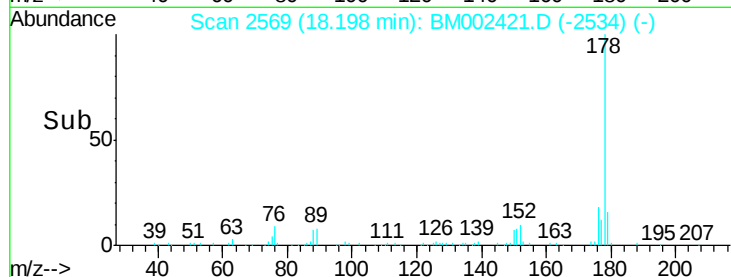
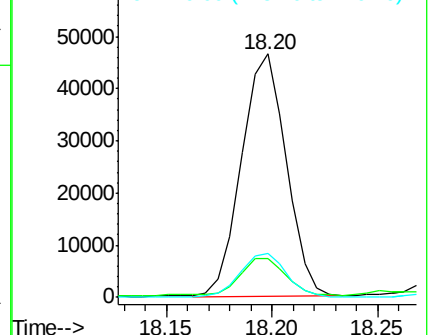
178 100

179 16.0 12.4 18.6

176 18.0 15.1 22.7



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



#16

Fluoranthene

Concen: 2.28 ng/ul

RT: 20.14 min Scan# 2899

Delta R.T. 0.01 min

Lab File: BM002421.D

Acq: 15 Aug 2015 12:56

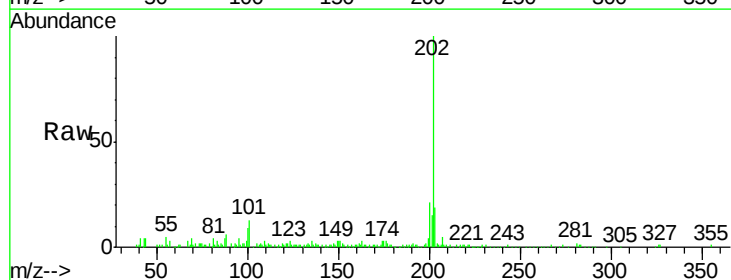
Tgt Ion:202 Resp: 123079

Ion Ratio Lower Upper

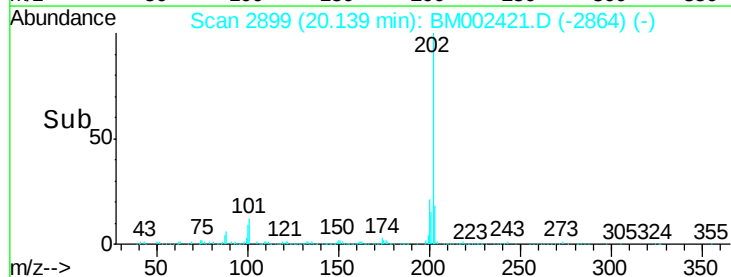
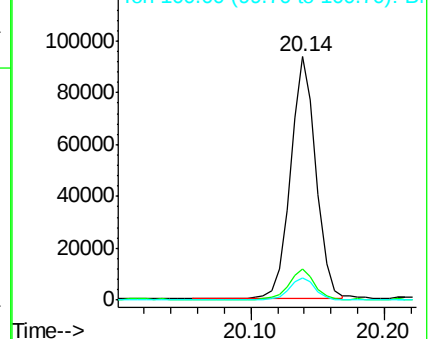
202 100

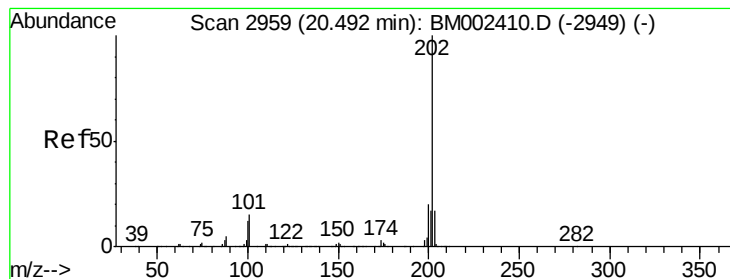
101 12.7 9.7 14.5

100 9.3 7.4 11.2



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





#19

Pvrene

Concen: 2.89 ng/ul

RT: 20.50 min Scan# 2960

Delta R.T. 0.01 min

Lab File: BM002421.D

Acq: 15 Aug 2015 12:56

Instrument :

BNA_M

ClientSampleId :

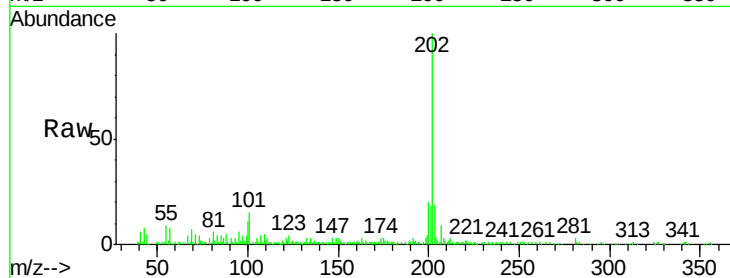
Tot Ion:202 Resp: 101236

Ion Ratio Lower Upper

202 100

101 14.7 12.0 18.0

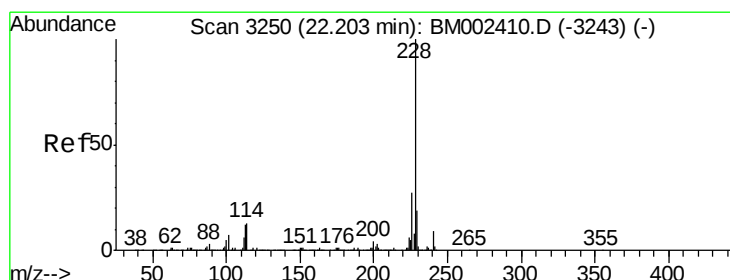
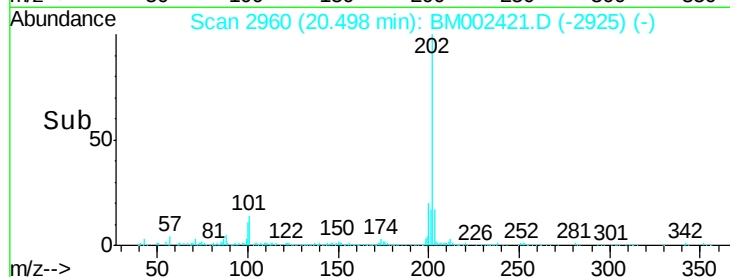
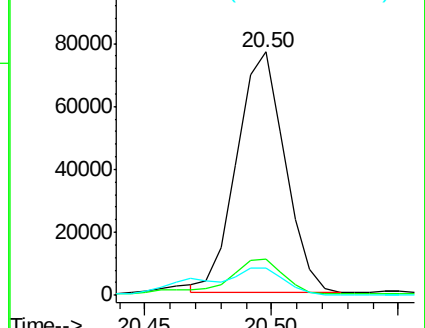
100 11.4 9.7 14.5



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



#20

Benzo(a)anthracene

Concen: 1.49 ng/ul

RT: 22.22 min Scan# 3252

Delta R.T. 0.01 min

Lab File: BM002421.D

Acq: 15 Aug 2015 12:56

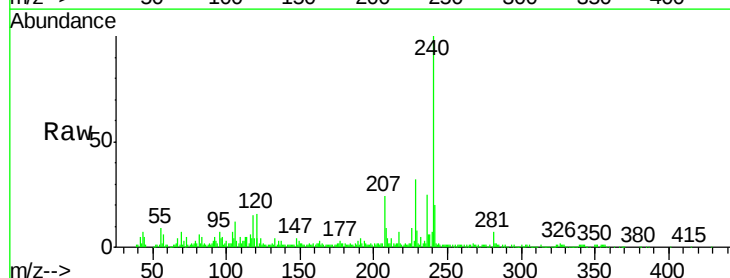
Tgt Ion:228 Resp: 53181

Ion Ratio Lower Upper

228 100

229 24.9 15.8 23.6#

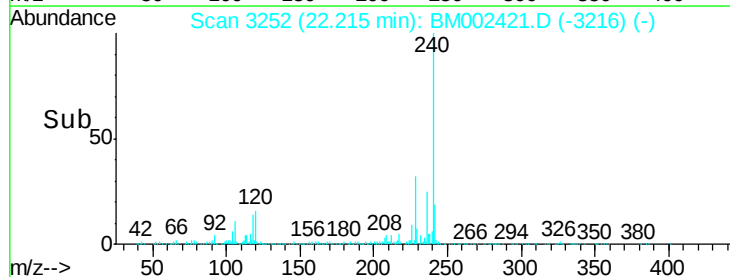
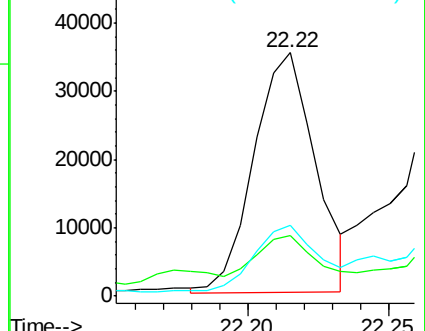
226 29.1 21.1 31.7

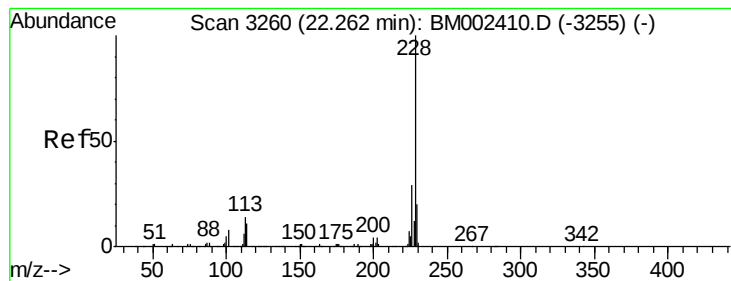


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 1.87 ng/ul

RT: 22.27 min Scan# 3261

Delta R.T. 0.01 min

Lab File: BM002421.D

Acq: 15 Aug 2015 12:56

Instrument :

BNA_M

ClientSampleId :

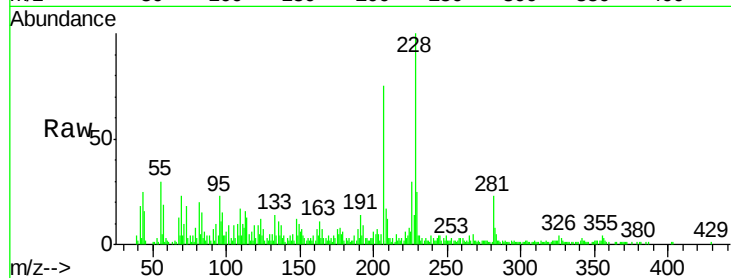
Tot Ion:228 Resp: 62562

Ion Ratio Lower Upper

228 100

226 29.6 23.4 35.2

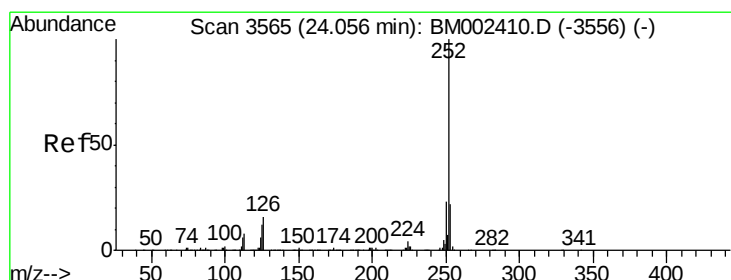
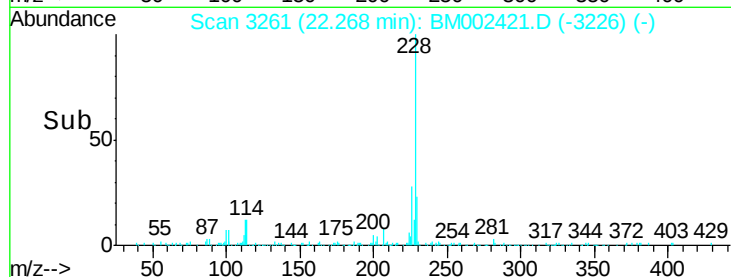
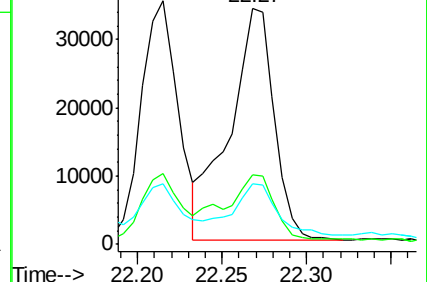
229 25.5 15.7 23.5#



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



#23

Benzo(b)fluoranthene

Concen: 2.72 ng/ul

RT: 24.07 min Scan# 3567

Delta R.T. 0.01 min

Lab File: BM002421.D

Acq: 15 Aug 2015 12:56

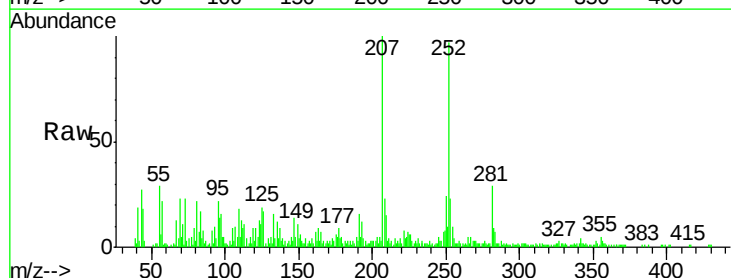
Tgt Ion:252 Resp: 82279

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

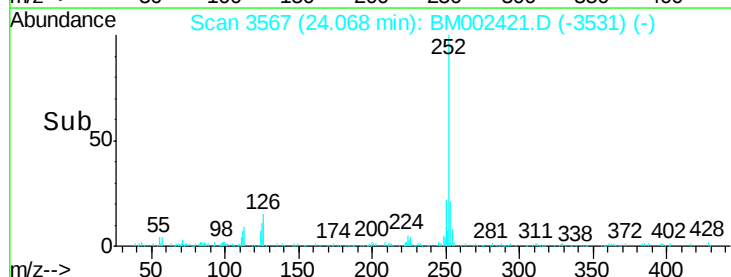
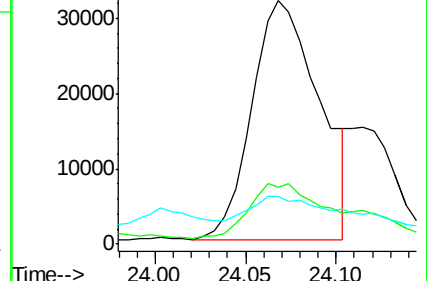
125 19.4 10.0 15.0#

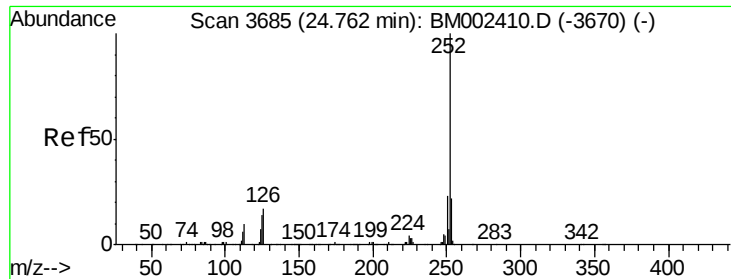


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 1.70 ng/ul

RT: 24.77 min Scan# 3687

Delta R.T. 0.01 min

Lab File: BM002421.D

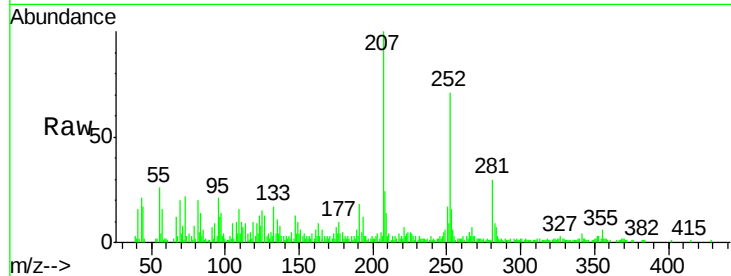
Acq: 15 Aug 2015 12:56

Instrument :

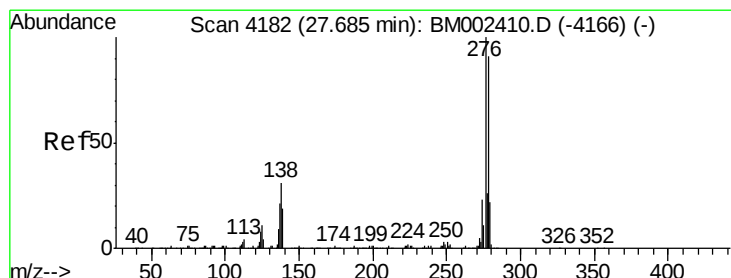
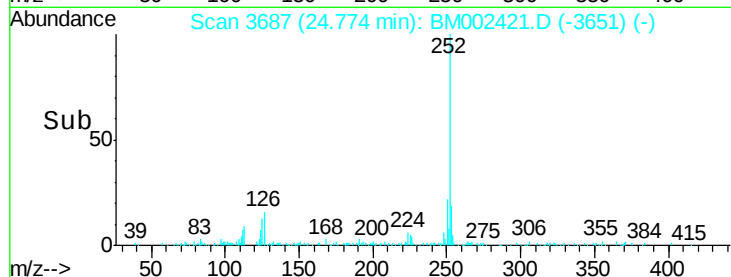
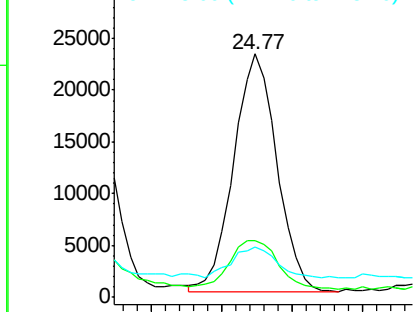
BNA_M

ClientSampleId :

Tot Ion:	252	Resp:	49063
Ion	Ratio	Lower	Upper
252	100		
253	23.1	17.6	26.4
125	20.7	10.7	16.1#



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



#27

Indeno(1,2,3-cd)pyrene

Concen: 1.21 ng/ul

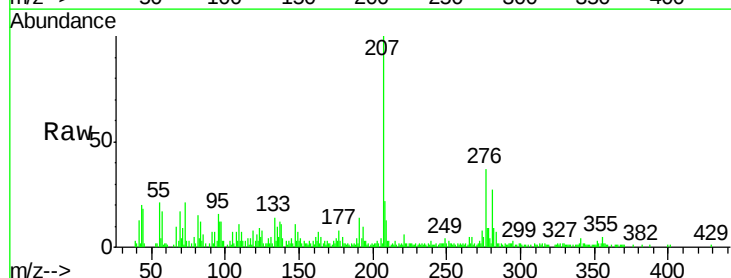
RT: 27.70 min Scan# 4185

Delta R.T. 0.02 min

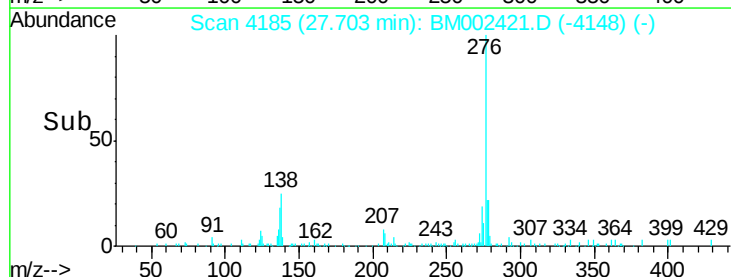
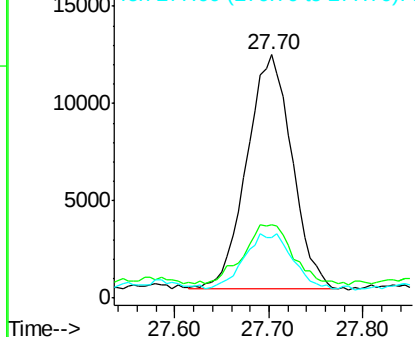
Lab File: BM002421.D

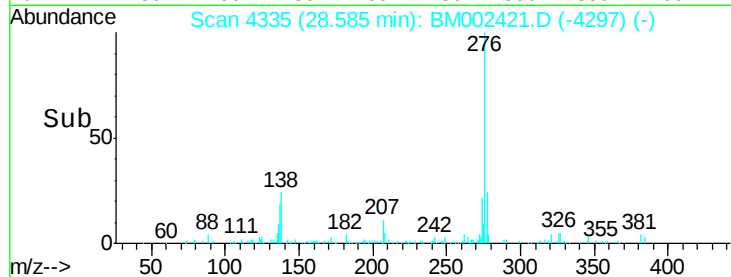
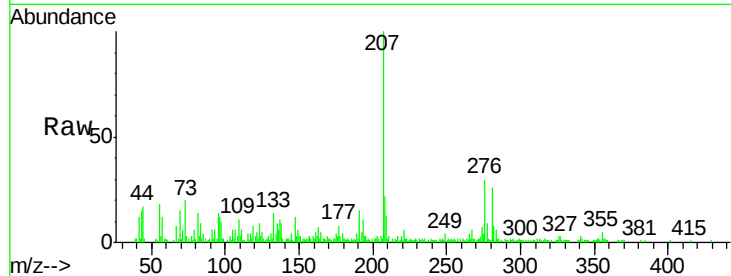
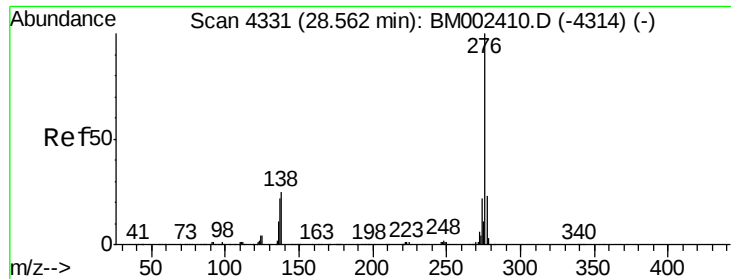
Acq: 15 Aug 2015 12:56

Tgt Ion:	276	Resp:	40191
Ion	Ratio	Lower	Upper
276	100		
138	30.4	25.3	37.9
277	24.9	20.2	30.2



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





#29

Benzo(a,h,i)perylene

Concen: 1.39 ng/ul

RT: 28.59 min Scan# 4335

Delta R.T. 0.02 min

Lab File: BM002421.D

Acq: 15 Aug 2015 12:56

Instrument :

BNA_M

ClientSampleId :

Tot Ion: 276 Resp: 38449

Ion Ratio Lower Upper

276 100

138 29.4 21.0 31.6

277 29.6 19.2 28.8#

