

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002430.D
 Acq On : 15 Aug 2015 18:24
 Operator : UM/IZ
 Sample : G3194-14
 Misc :
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 05:17:37 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 17 05:12:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	174012	20.00	ng/ul	0.00
2) Naphthalene-d8	11.74	136	764590	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.45	164	380234	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.16	188	700141	20.00	ng/ul	0.00
17) Chrysene-d12	22.23	240	481846	20.00	ng/ul	0.00
22) Perylene-d12	24.90	264	457927	20.00	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
7) Acenaphthylene-d8	15.16	160	623391	16.04	ng/ul	0.00
10) Fluorene-d10	16.42	176	413649	15.15	ng/ul	0.00
14) Anthracene-d10	18.25	188	543457	16.09	ng/ul	0.00
18) Pyrene-d10	20.47	212	441743	20.68	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.73	264	356800	14.83	ng/ul	0.00

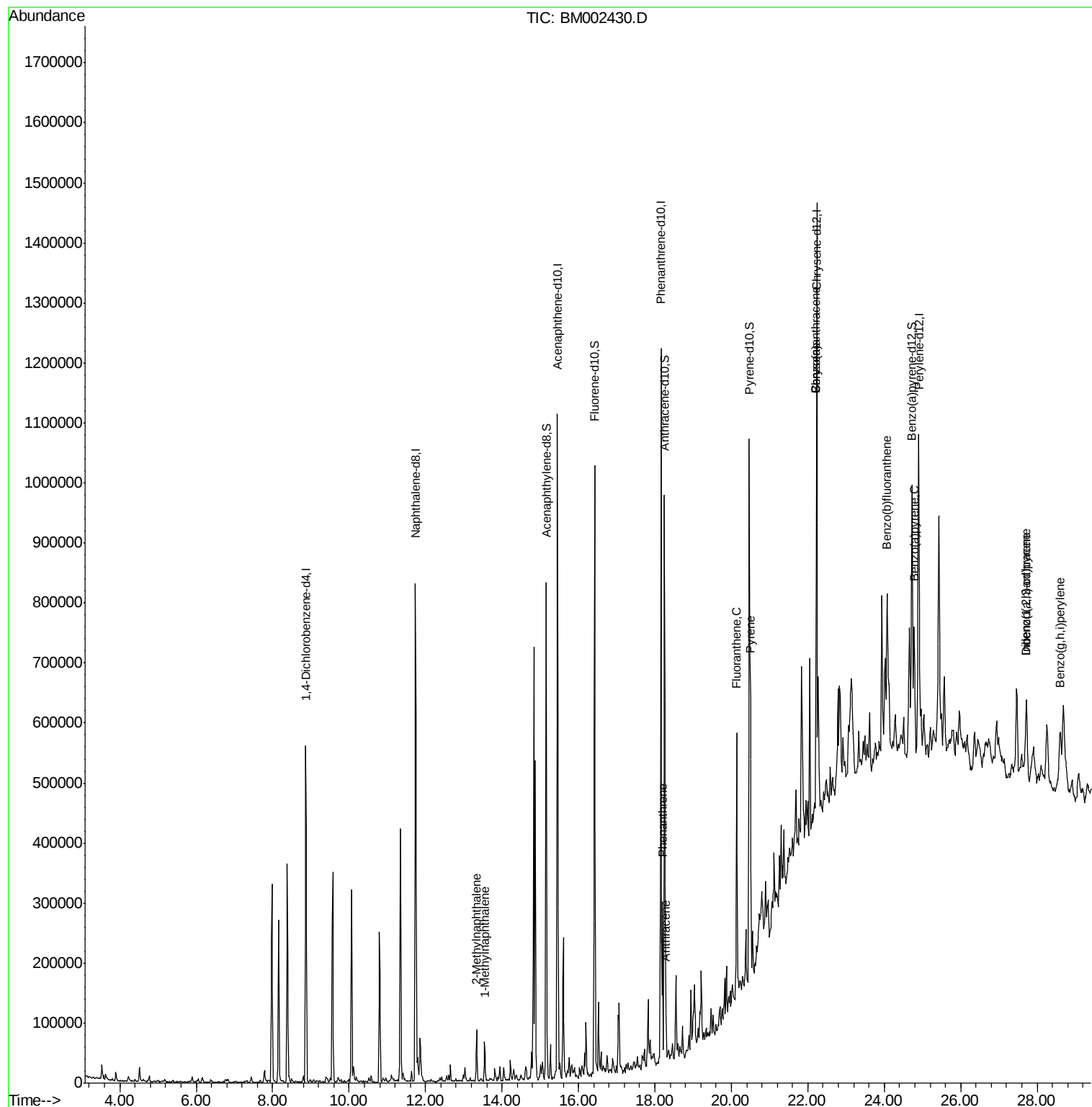
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) 2-Methylnaphthalene	13.33	142	43901	1.50	ng/ul	96
5) 1-Methylnaphthalene	13.55	142	33048	1.14	ng/ul	100
13) Phenanthrene	18.20	178	158997	3.93	ng/ul	99
15) Anthracene	18.29	178	50594	1.23	ng/ul	99
16) Fluoranthene	20.14	202	264107	5.77	ng/ul	98
19) Pyrene	20.50	202	252029	8.93	ng/ul	99
20) Benzo(a)anthracene	22.22	228	142426	4.94	ng/ul	96
21) Chrysene	22.22	228	141275	5.24	ng/ul	96
23) Benzo(b)fluoranthene	24.07	252	242175	8.75	ng/ul#	94
26) Benzo(a)pyrene	24.78	252	147259	5.57	ng/ul#	94
27) Indeno(1,2,3-cd)pyrene	27.72	276	108034	3.55	ng/ul	94
28) Dibenzo(a,h)anthracene	27.71	278	33310	1.31	ng/ul#	63
29) Benzo(a,h,i)perylene	28.60	276	142551	5.63	ng/ul	94

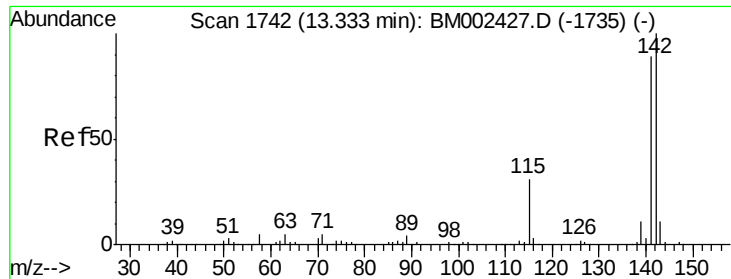
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#4

2-Methylnaphthalene

Concen: 1.50 ng/ul

RT: 13.33 min Scan# 1742

Delta R.T. 0.00 min

Lab File: BM002430.D

Acq: 15 Aug 2015 18:24

Instrument :

BNA_M

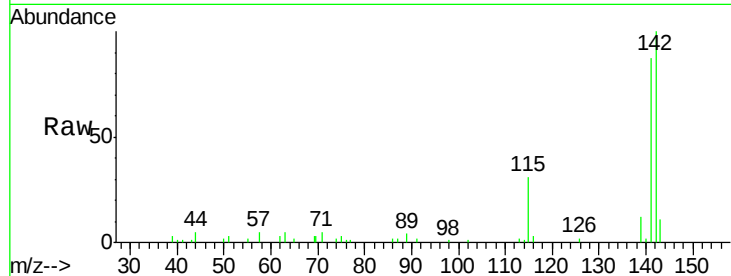
ClientSampleId :

Tot Ion:142 Resp: 43901

Ion Ratio Lower Upper

142 100

141 86.6 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

13.33

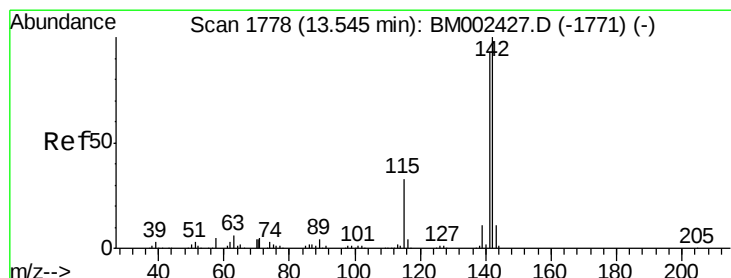
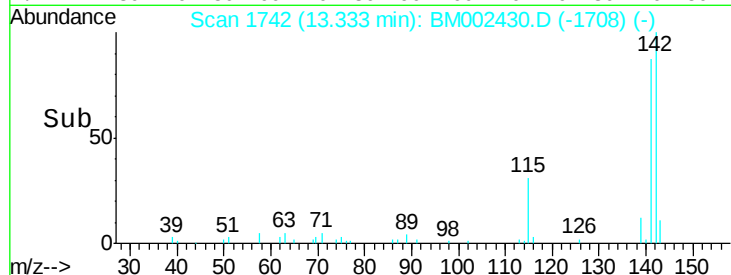
30000

20000

10000

0

Time-->



#5

1-Methylnaphthalene

Concen: 1.14 ng/ul

RT: 13.55 min Scan# 1778

Delta R.T. 0.00 min

Lab File: BM002430.D

Acq: 15 Aug 2015 18:24

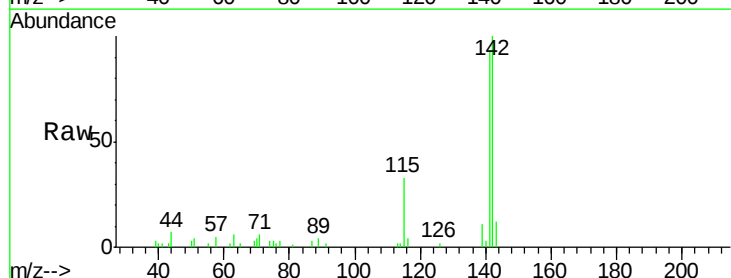
Tgt Ion:142 Resp: 33048

Ion Ratio Lower Upper

142 100

141 92.8 73.9 110.9

116 4.3 3.0 4.4



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E

13.55

25000

20000

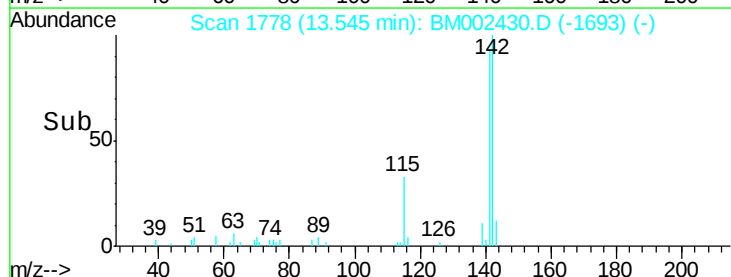
15000

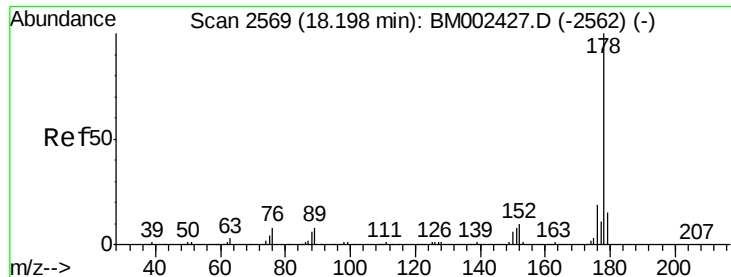
10000

5000

0

Time-->





#13

Phenanthrene

Concen: 3.93 ng/ul

RT: 18.20 min Scan# 2569

Delta R.T. 0.00 min

Lab File: BM002430.D

Acq: 15 Aug 2015 18:24

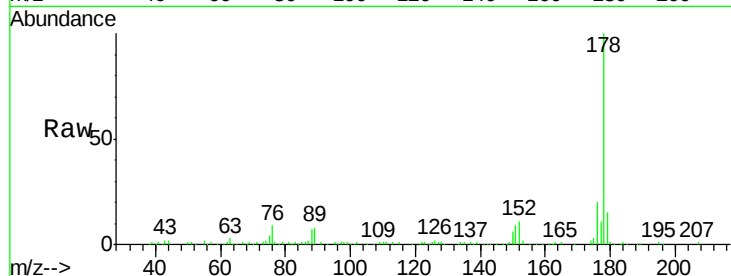
Instrument :

BNA_M

ClientSampled :

Tot Ion:178 Resp: 158997

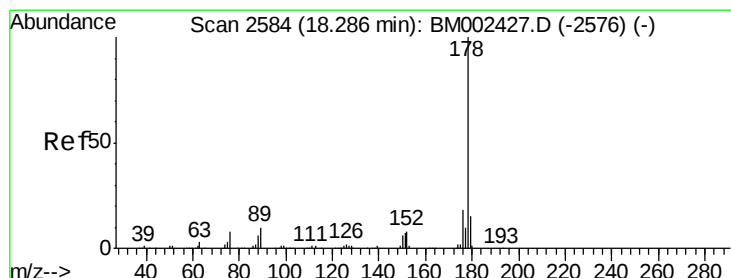
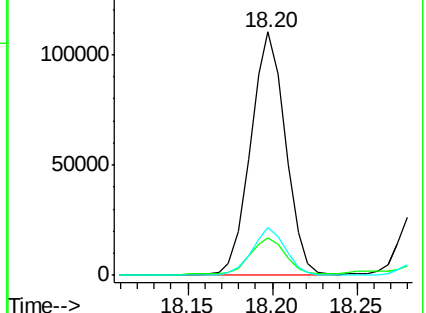
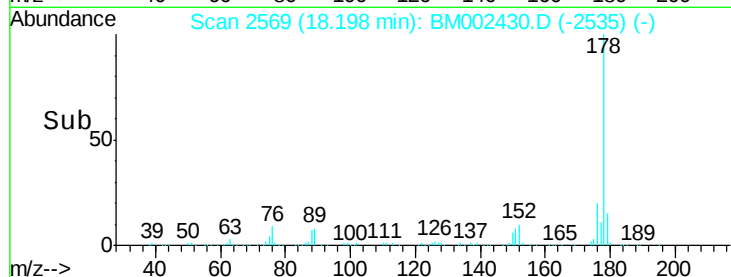
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	19.6	15.1	22.7



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



#15

Anthracene

Concen: 1.23 ng/ul

RT: 18.29 min Scan# 2584

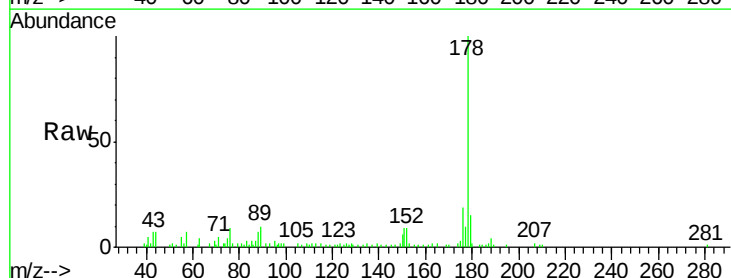
Delta R.T. 0.00 min

Lab File: BM002430.D

Acq: 15 Aug 2015 18:24

Tgt Ion:178 Resp: 50594

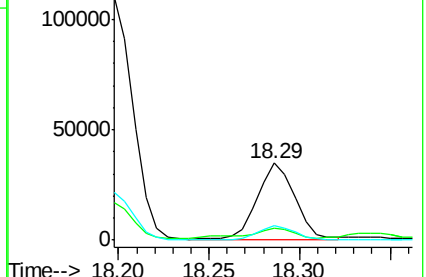
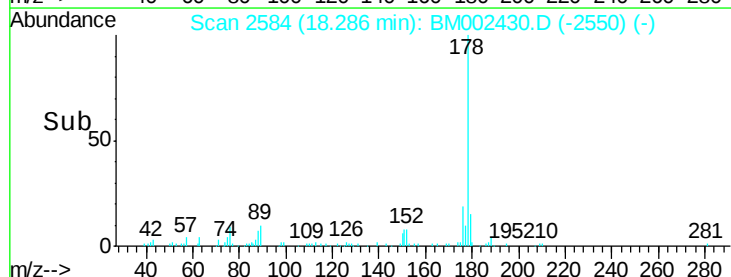
Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.6	18.8
176	18.8	14.5	21.7

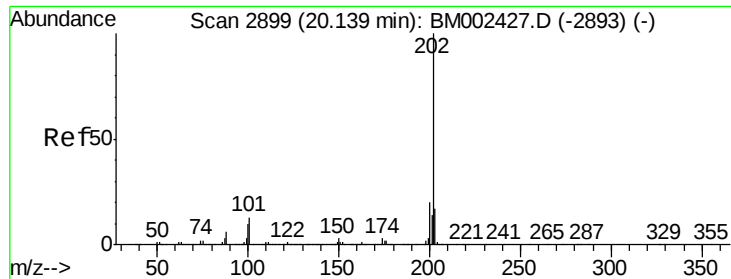


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 5.77 ng/ul

RT: 20.14 min Scan# 2899

Delta R.T. 0.00 min

Lab File: BM002430.D

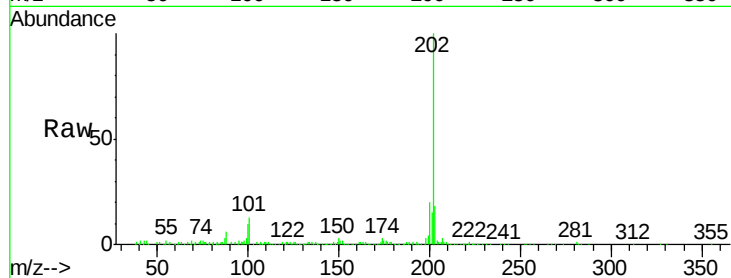
Acq: 15 Aug 2015 18:24

Instrument :

BNA_M

ClientSampleId :

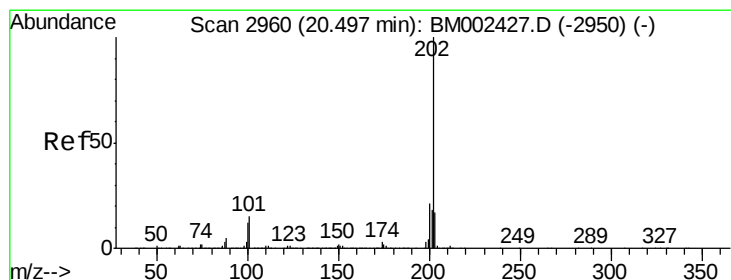
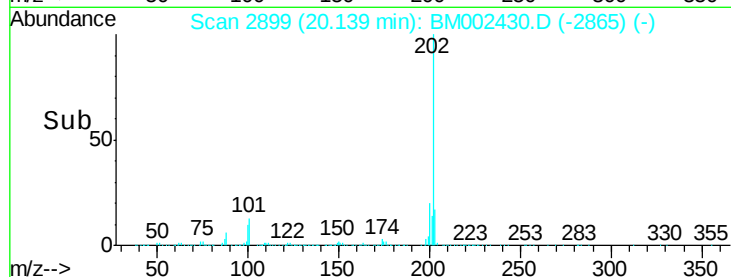
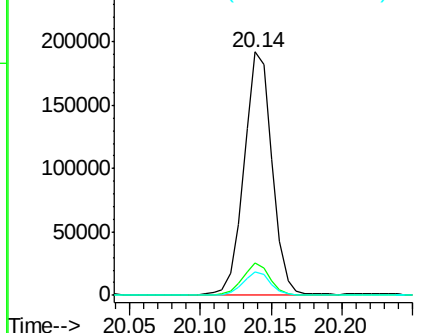
Tot Ion:	202	Resp:	264107
Ion	Ratio	Lower	Upper
202	100		
101	13.3	9.7	14.5
100	9.7	7.4	11.2



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

Pyrene

Concen: 8.93 ng/ul

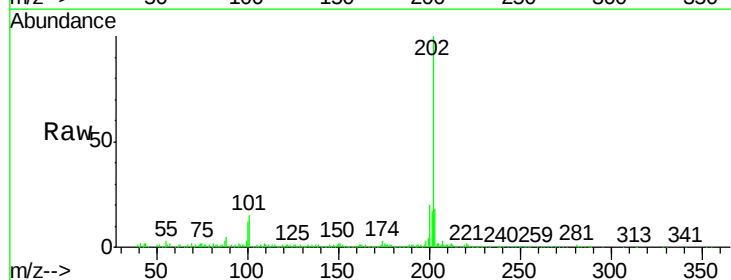
RT: 20.50 min Scan# 2960

Delta R.T. 0.00 min

Lab File: BM002430.D

Acq: 15 Aug 2015 18:24

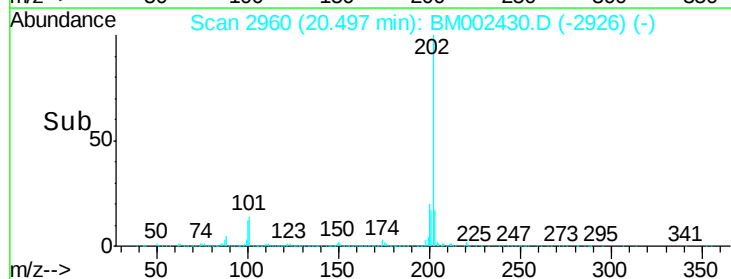
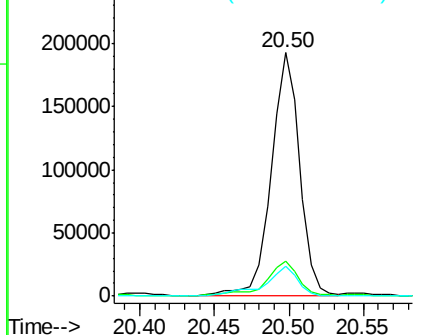
Tgt Ion:	202	Resp:	252029
Ion	Ratio	Lower	Upper
202	100		
101	14.6	12.0	18.0
100	12.3	9.7	14.5

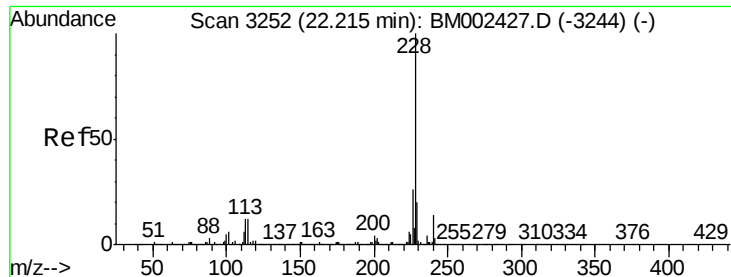


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 4.94 ng/ul

RT: 22.22 min Scan# 3252

Delta R.T. 0.00 min

Lab File: BM002430.D

Acq: 15 Aug 2015 18:24

Instrument :

BNA_M

ClientSampleId :

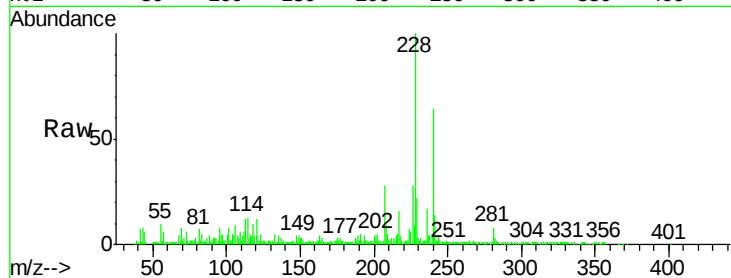
Tot Ion:228 Resp: 142426

Ion Ratio Lower Upper

228 100

229 22.5 15.8 23.6

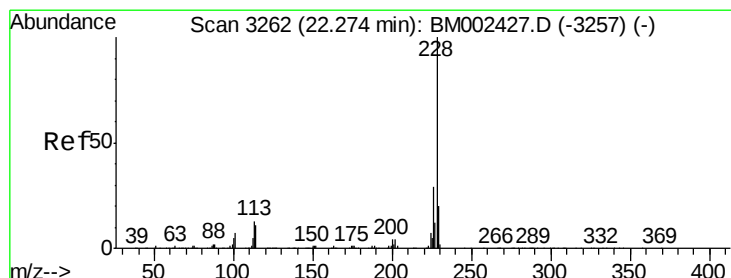
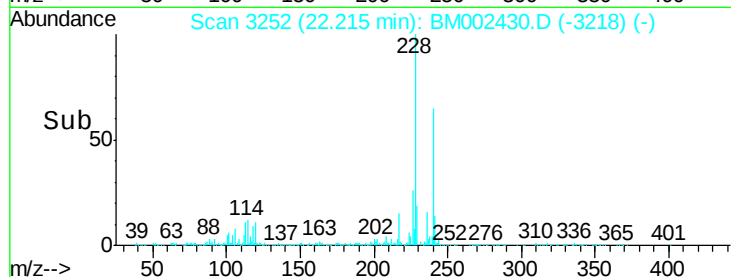
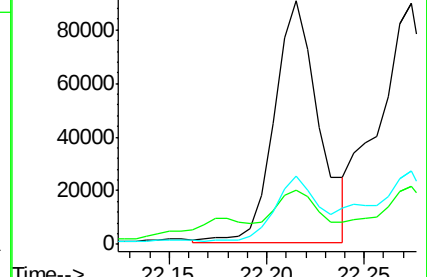
226 27.8 21.1 31.7



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: 5.24 ng/ul

RT: 22.22 min Scan# 3252

Delta R.T. -0.06 min

Lab File: BM002430.D

Acq: 15 Aug 2015 18:24

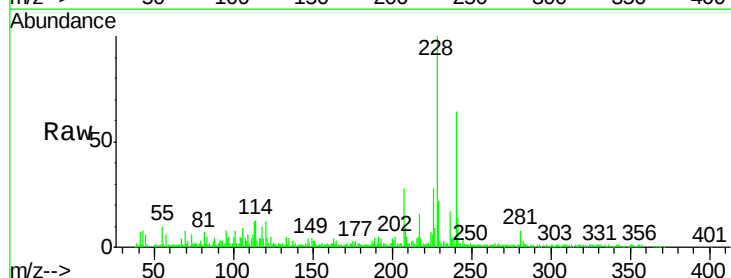
Tgt Ion:228 Resp: 141275

Ion Ratio Lower Upper

228 100

226 27.8 23.4 35.2

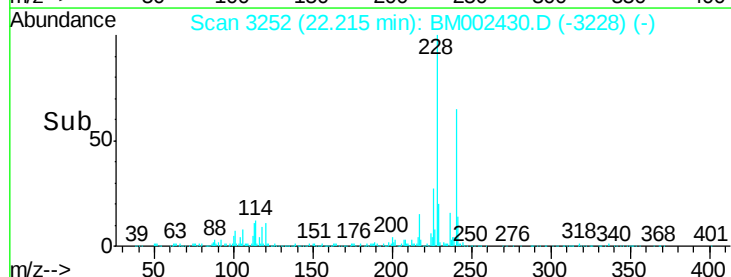
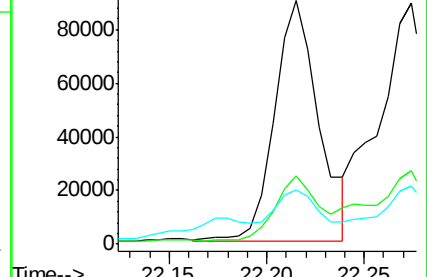
229 22.5 15.7 23.5

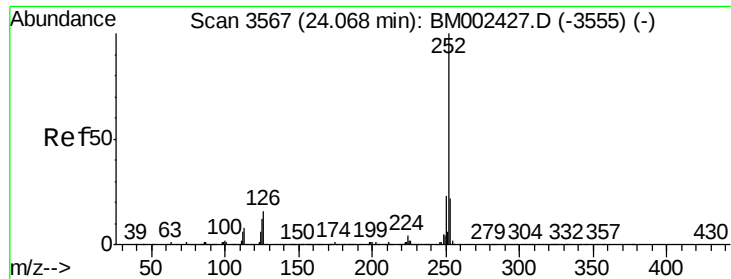


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 8.75 ng/ul

RT: 24.07 min Scan# 3568

Delta R.T. 0.01 min

Lab File: BM002430.D

Acq: 15 Aug 2015 18:24

Instrument :

BNA_M

ClientSampleId :

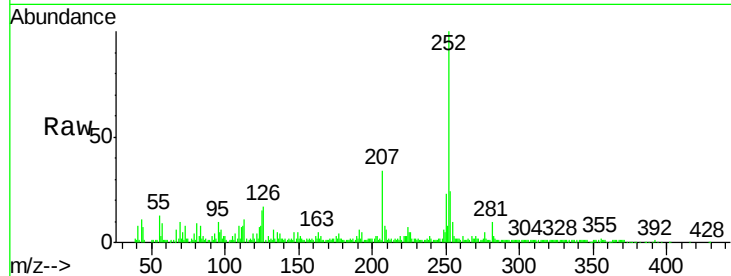
Tot Ion:252 Resp: 242175

Ion Ratio Lower Upper

252 100

253 24.0 17.4 26.0

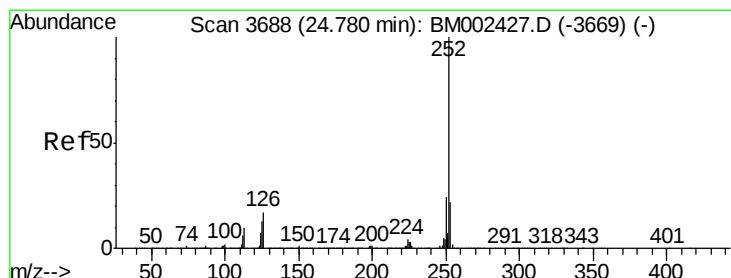
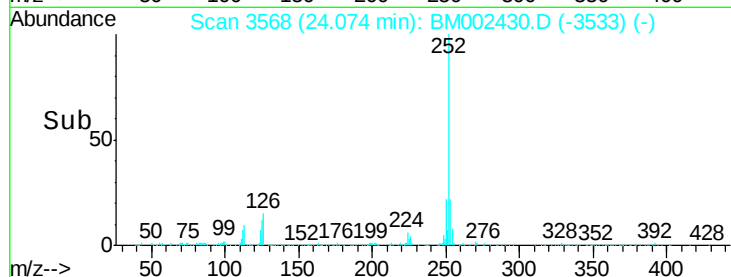
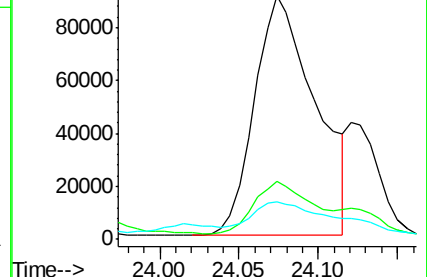
125 15.3 10.0 15.0#



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: 5.57 ng/ul

RT: 24.78 min Scan# 3688

Delta R.T. 0.00 min

Lab File: BM002430.D

Acq: 15 Aug 2015 18:24

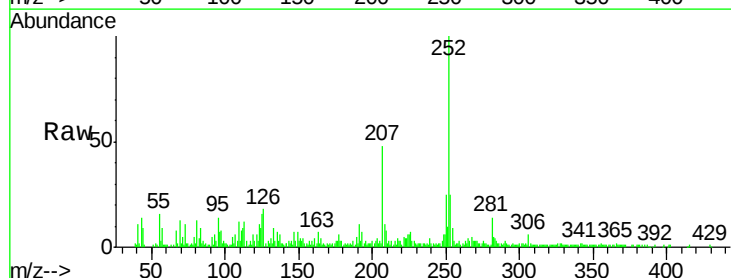
Tgt Ion:252 Resp: 147259

Ion Ratio Lower Upper

252 100

253 24.7 17.6 26.4

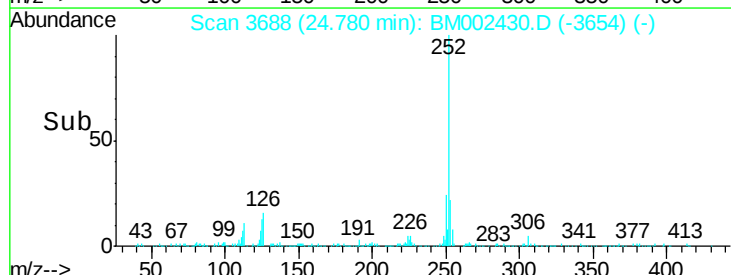
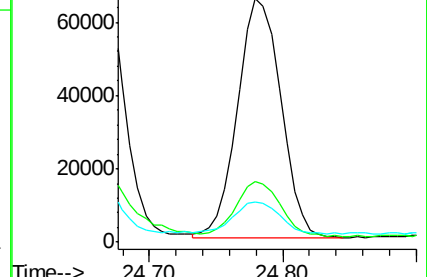
125 16.5 10.7 16.1#

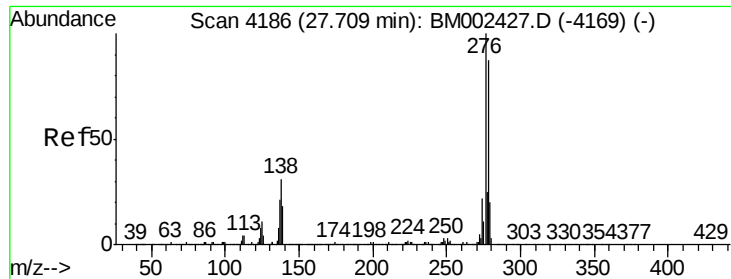


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

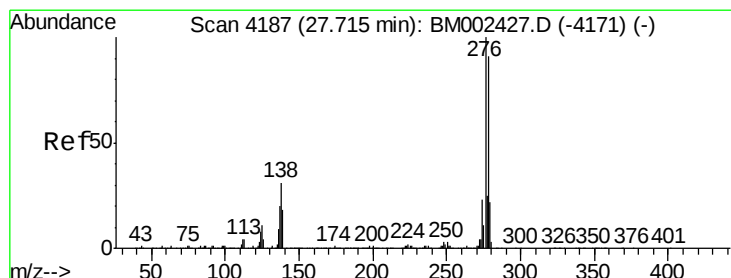
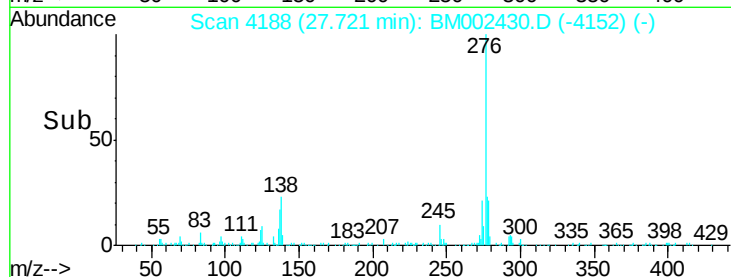
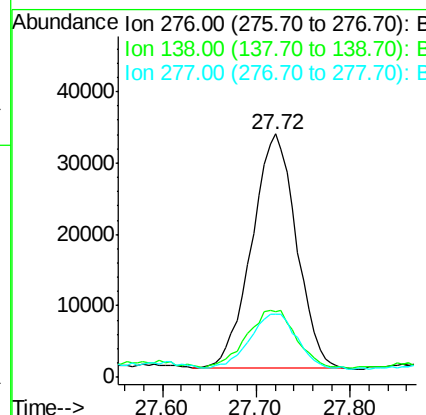
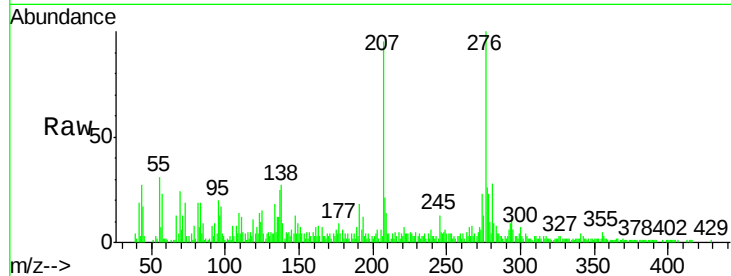




#27
 Indeno(1,2,3-cd)pyrene
 Concen: 3.55 ng/ul
 RT: 27.72 min Scan# 4188
 Delta R.T. 0.01 min
 Lab File: BM002430.D
 Acq: 15 Aug 2015 18:24

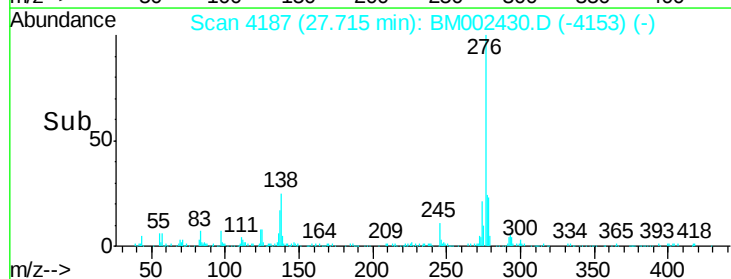
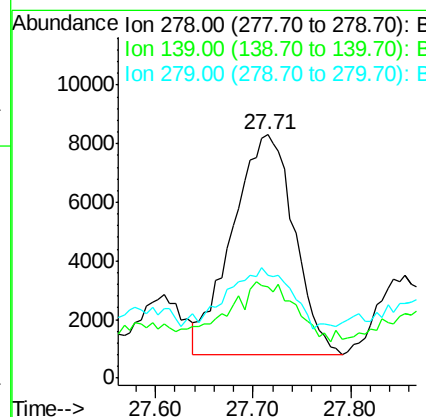
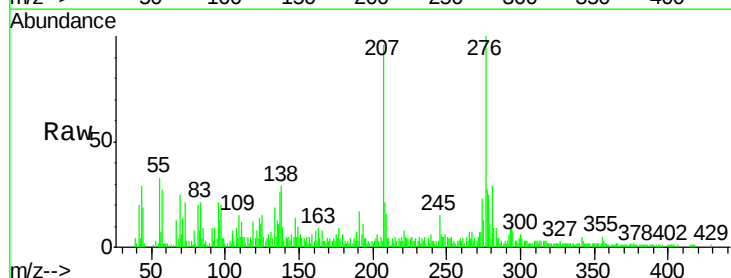
Instrument :
 BNA_M
 ClientSampleId :

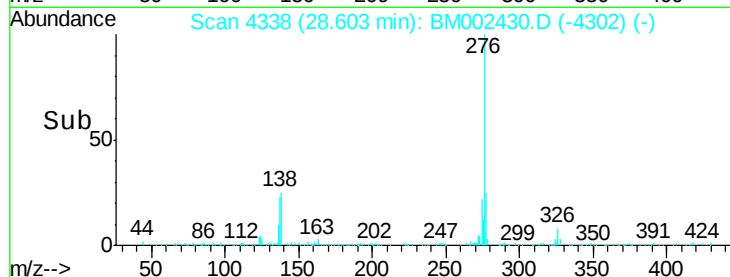
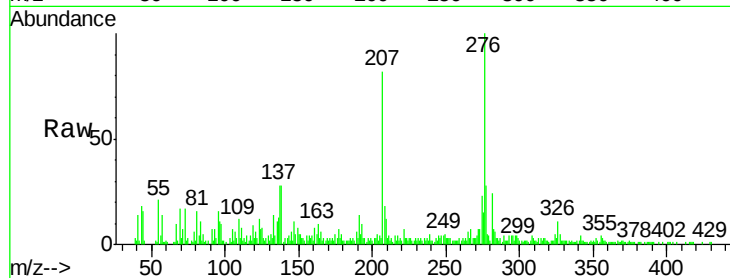
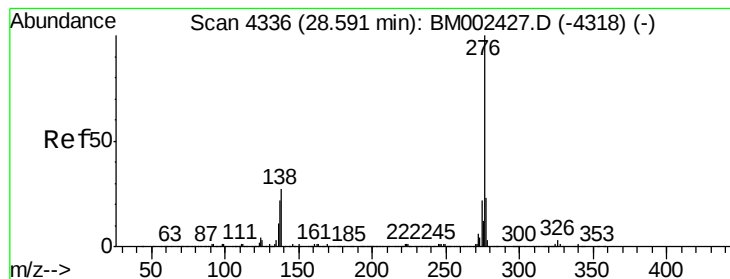
Tot Ion:276 Resp: 108034
 Ion Ratio Lower Upper
 276 100
 138 26.8 25.3 37.9
 277 26.1 20.2 30.2



#28
 Dibenzo(a,h)anthracene
 Concen: 1.31 ng/ul
 RT: 27.71 min Scan# 4187
 Delta R.T. 0.00 min
 Lab File: BM002430.D
 Acq: 15 Aug 2015 18:24

Tgt Ion:278 Resp: 33310
 Ion Ratio Lower Upper
 278 100
 139 37.4 16.5 24.7#
 279 42.1 18.8 28.2#





#29

Benzo(a,h,i)perylene

Concen: 5.63 ng/ul

RT: 28.60 min Scan# 4338

Delta R.T. 0.01 min

Lab File: BM002430.D

Acq: 15 Aug 2015 18:24

Instrument :

BNA_M

ClientSampleId :

Tot Ion:276 Resp: 142551

Ion Ratio Lower Upper

276 100

138 28.4 21.0 31.6

277 27.6 19.2 28.8

