

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 :
 D9DB5

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						
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

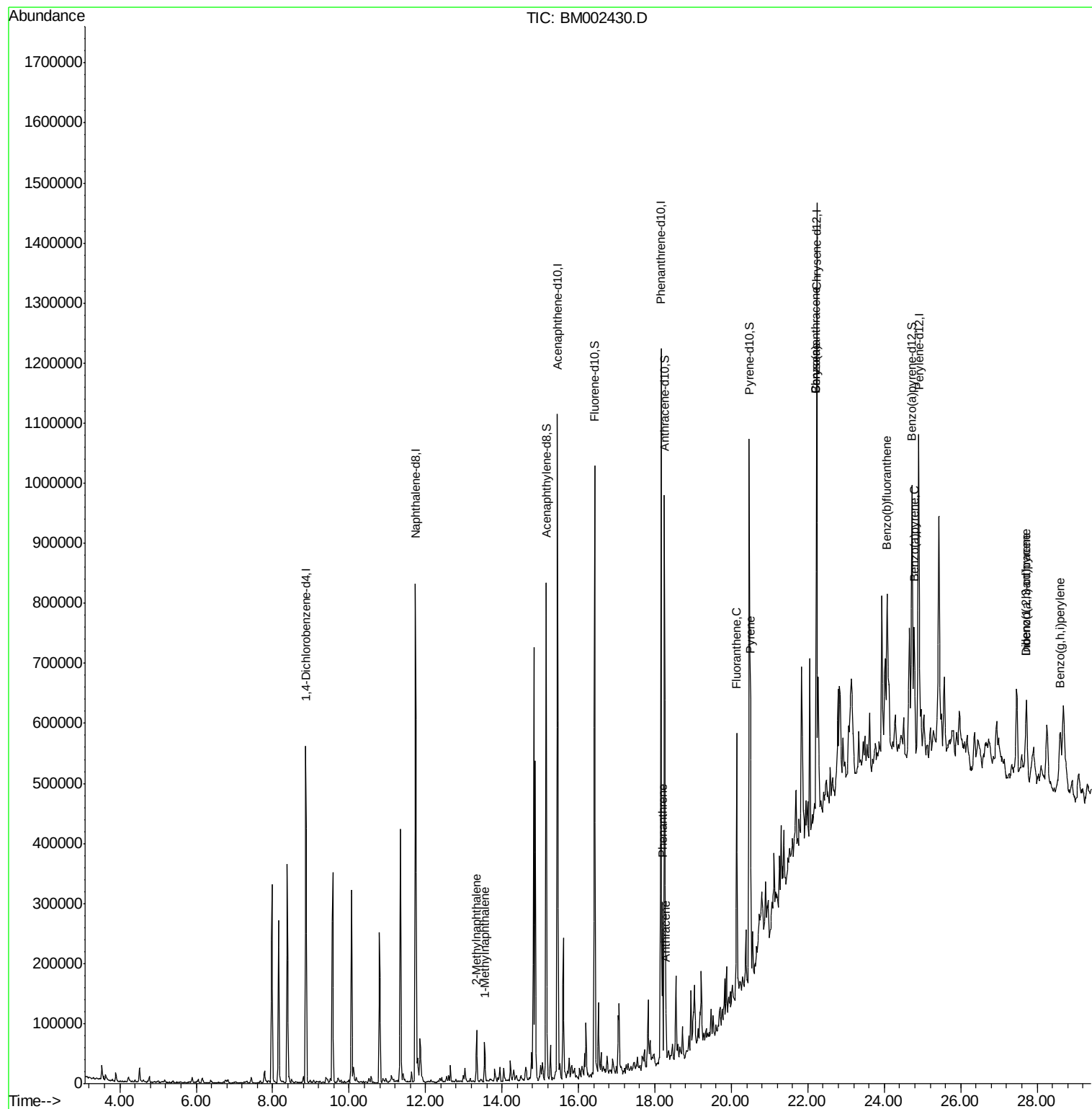
Target Compounds				Ovalue		
4) 2-Methylnaphthalene	13.33	142	43901	1.50	ng/ul	96
5) 1-Methylnaphthalene	13.55	142	33048	1.14	ng/ul	100
13) Phenanthrene	18.20	178	158997	3.93	ng/ul	99
15) Anthracene	18.29	178	50594	1.23	ng/ul	99
16) Fluoranthene	20.14	202	264107	5.77	ng/ul	98
19) Pyrene	20.50	202	252029	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

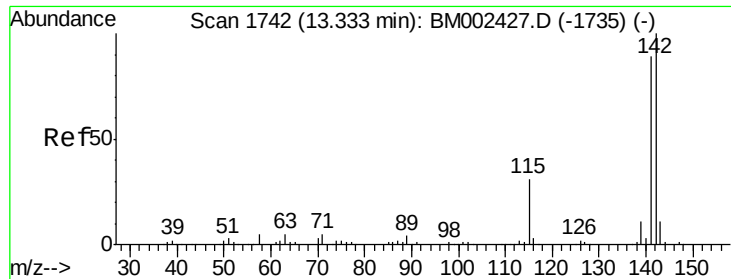
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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 :

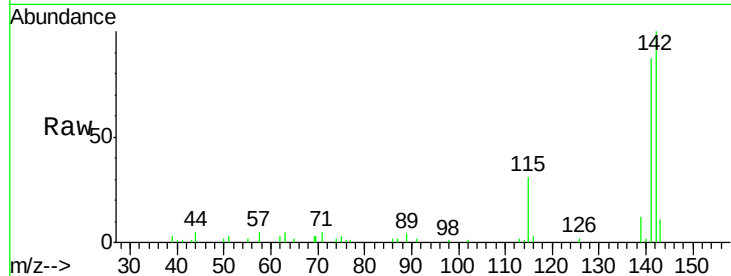
D9DB5

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

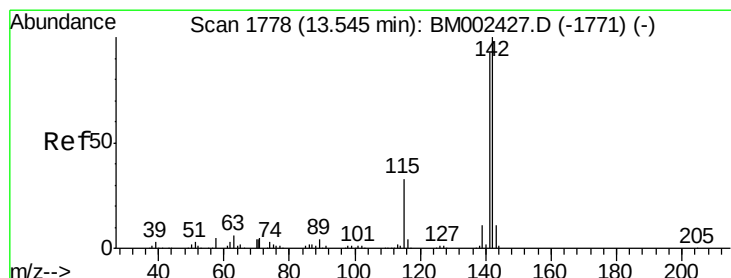
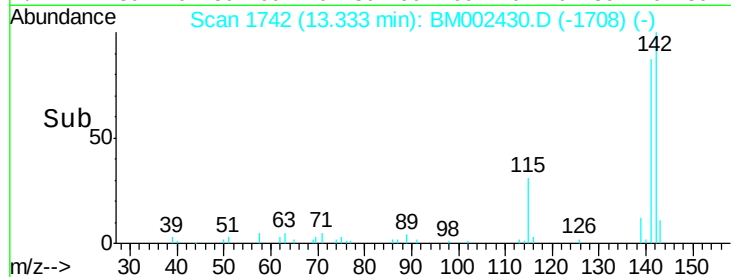
20000

10000

0

Time-->

13.30 13.35



#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

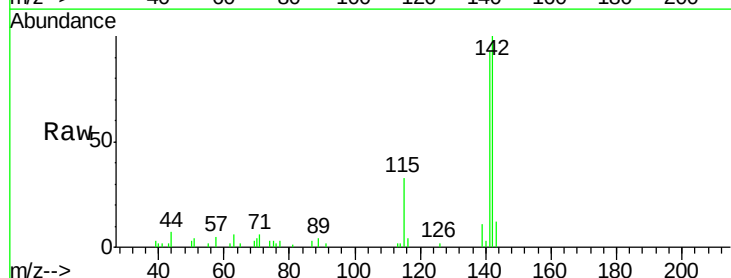
Tgt Ion:142 Resp: 33048

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

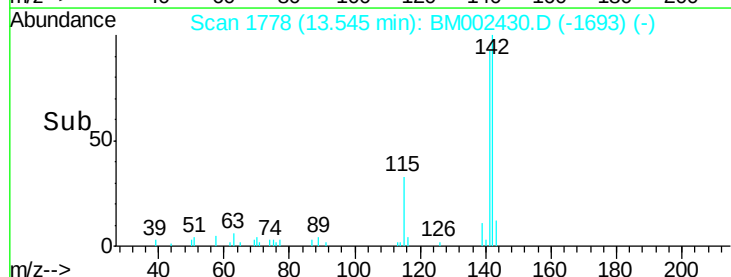
10000

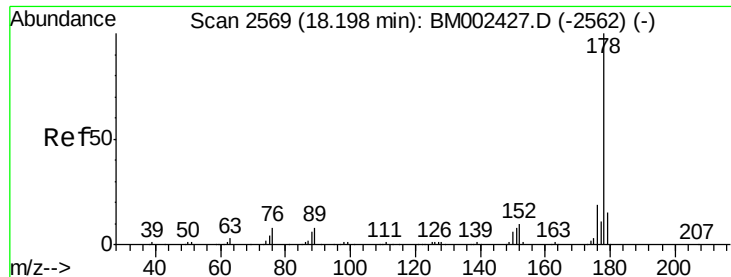
5000

0

Time-->

13.50 13.55 13.60





#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 :

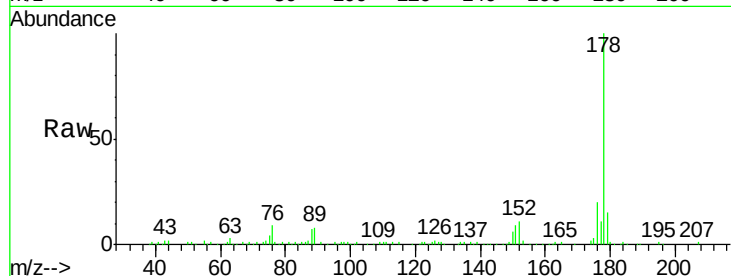
BNA_M

ClientSampleId :

D9DB5

Tot Ion:178 Resp: 158997

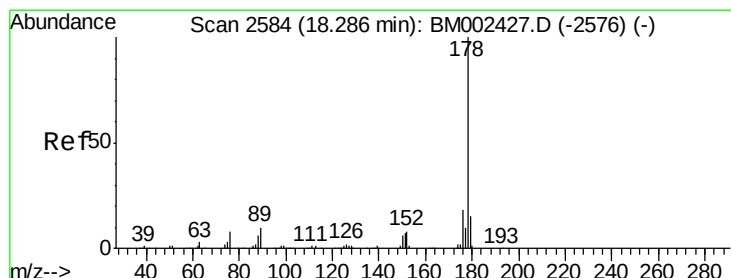
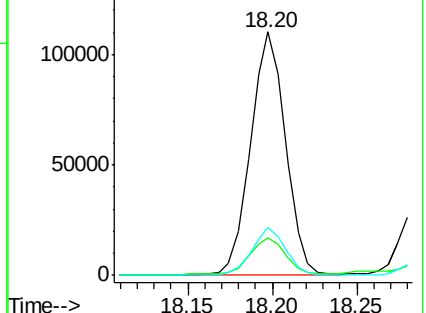
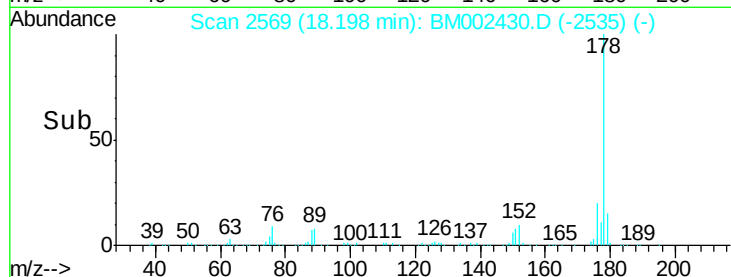
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6
176	19.6	15.1	22.7



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

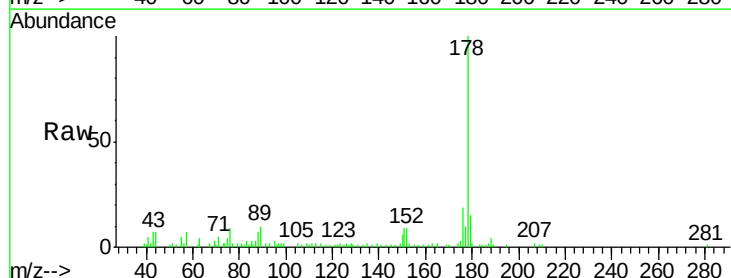
Delta R.T. 0.00 min

Lab File: BM002430.D

Acq: 15 Aug 2015 18:24

Tgt Ion:178 Resp: 50594

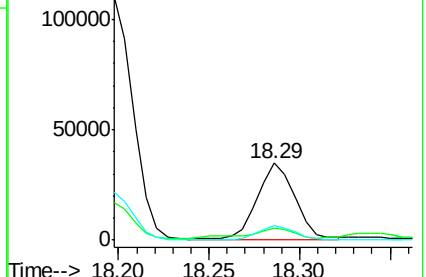
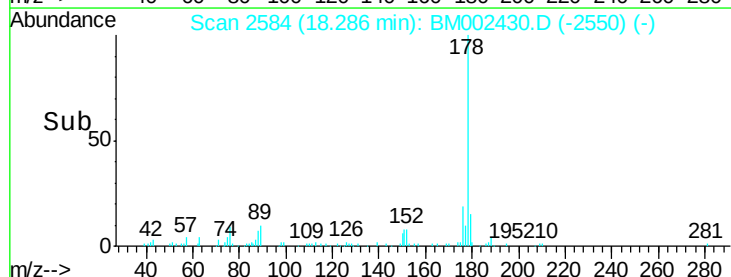
Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.6	18.8
176	18.8	14.5	21.7

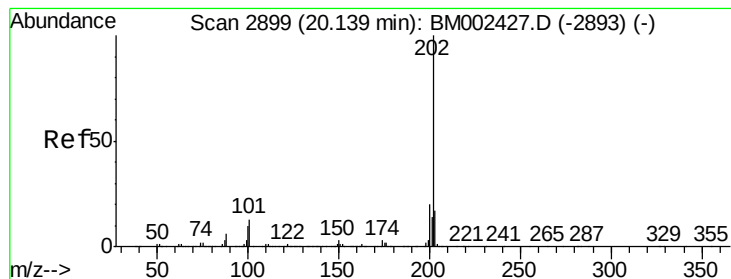


Abundance Ion 178.00 (177.70 to 178.70): E

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 :

D9DB5

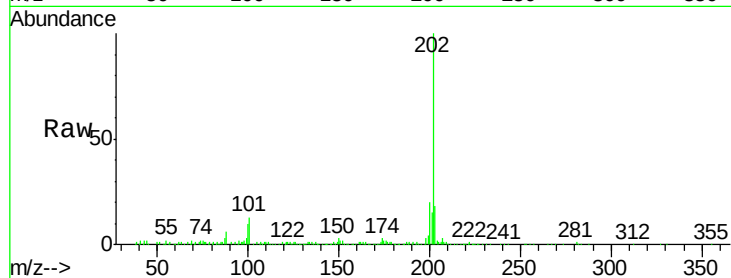
Tot Ion:202 Resp: 264107

Ion Ratio Lower Upper

202 100

101 13.3 9.7 14.5

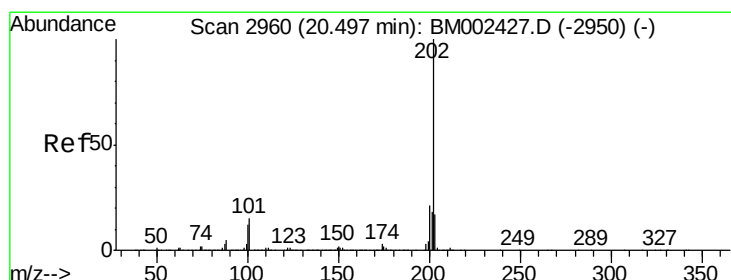
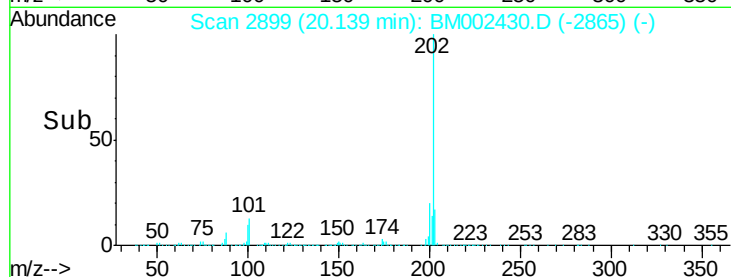
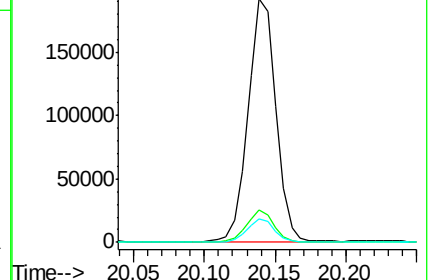
100 9.7 7.4 11.2



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

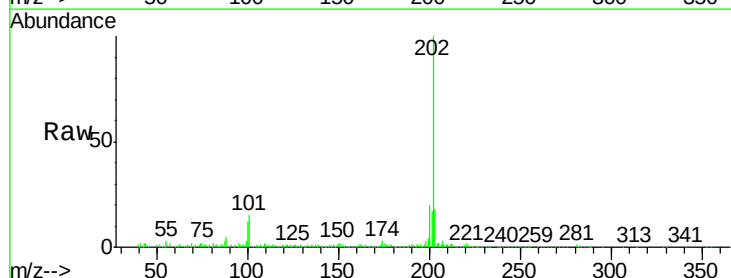
Tgt Ion:202 Resp: 252029

Ion Ratio Lower Upper

202 100

101 14.6 12.0 18.0

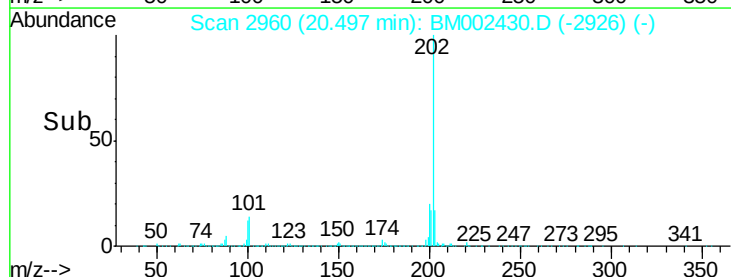
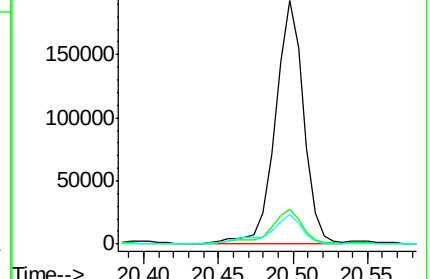
100 12.3 9.7 14.5

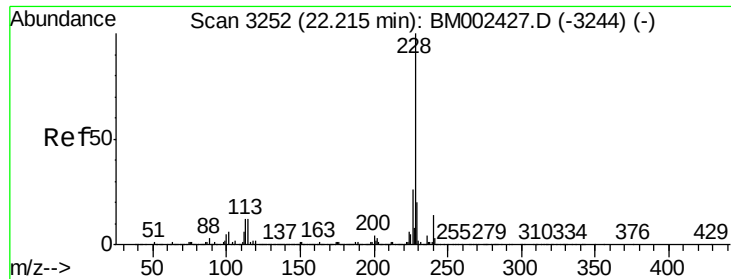


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B

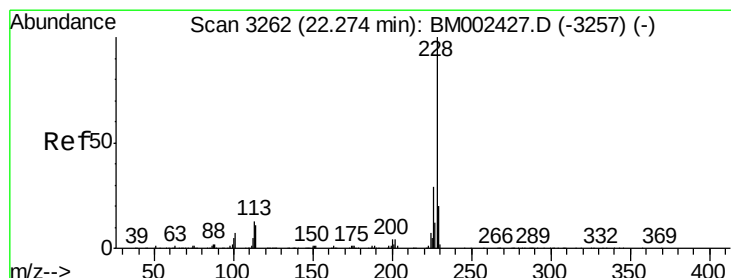
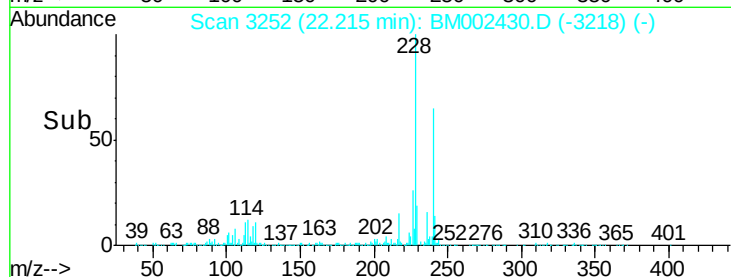
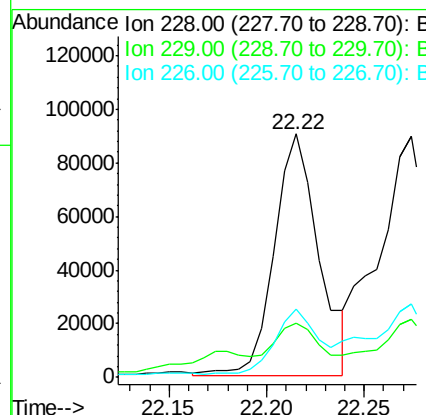
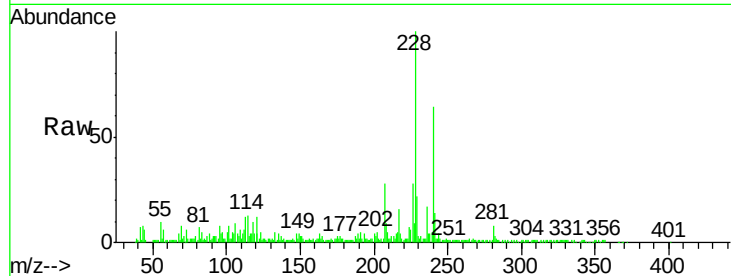




#20
Benzo(a)anthracene
Concen: 4.94 ng/ul
RT: 22.22 min Scan# 3252
Delta R.T. 0.00 min
Lab File: BM002430.D
Acq: 15 Aug 2015 18:24

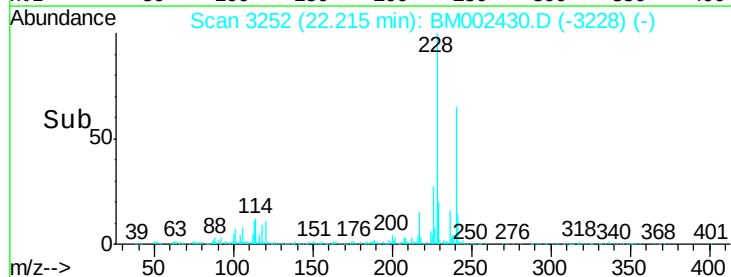
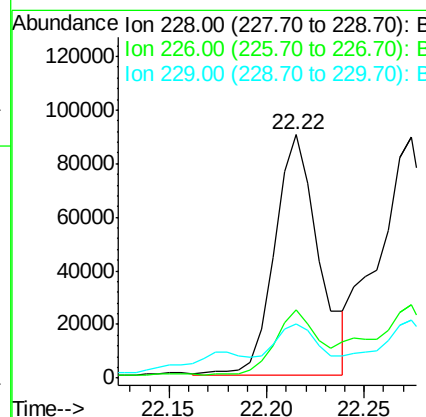
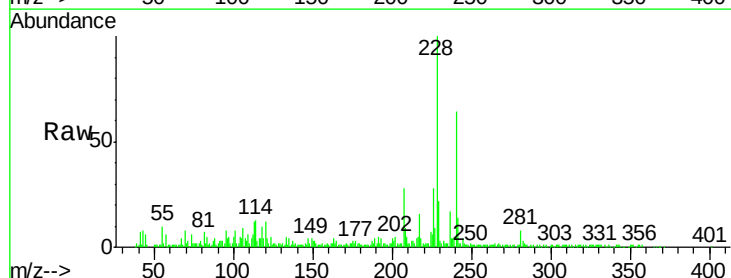
Instrument :
BNA_M
ClientSampleId :
D9DB5

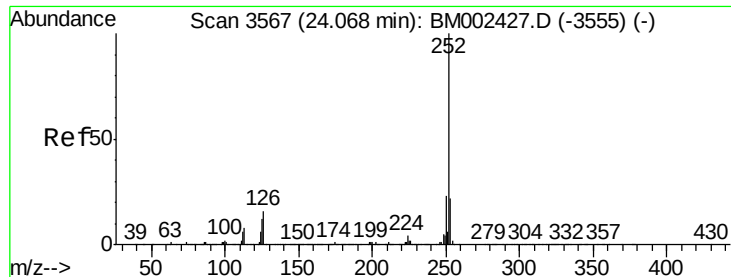
Tot Ion	Ratio	Lower	Upper
228	100		
229	22.5	15.8	23.6
226	27.8	21.1	31.7



#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	Ratio	Lower	Upper
228	100		
226	27.8	23.4	35.2
229	22.5	15.7	23.5





#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

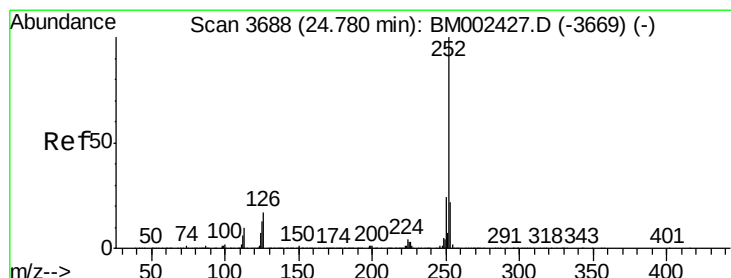
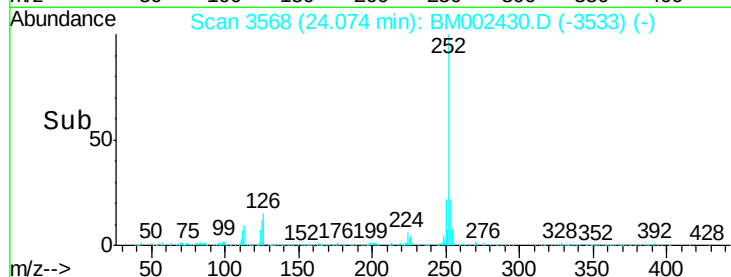
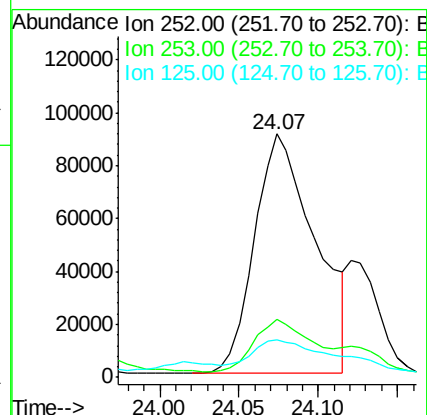
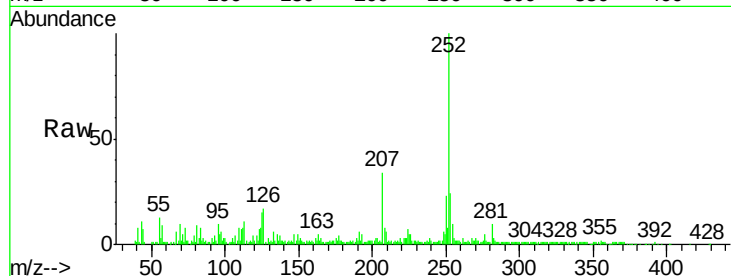
Instrument :

BNA_M

ClientSampleId :

D9DB5

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#



#26

Benzo(a)pyrene

Concen: 5.57 ng/ul

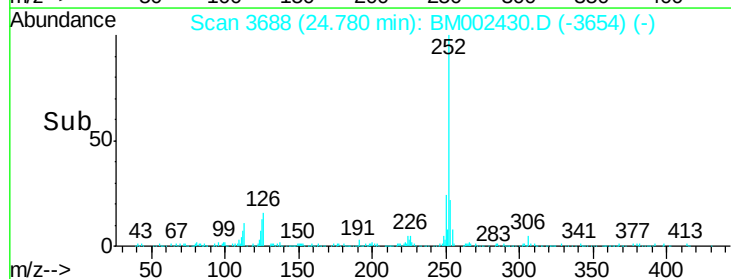
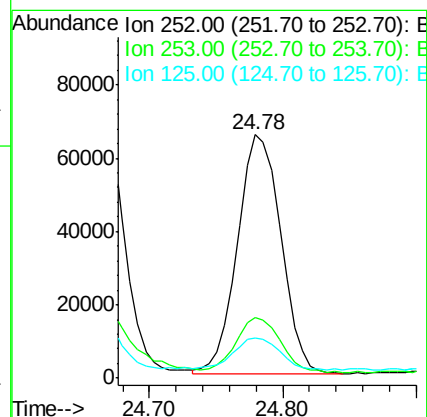
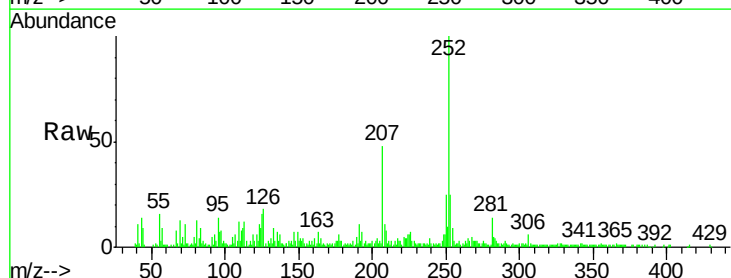
RT: 24.78 min Scan# 3688

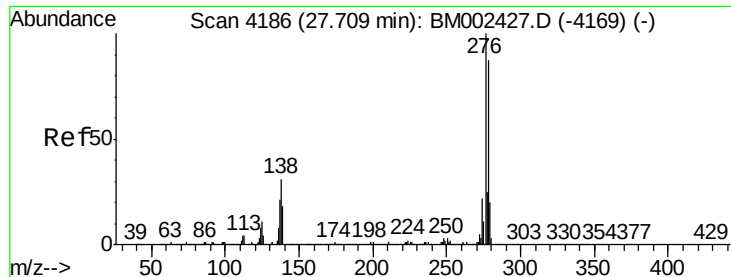
Delta R.T. 0.00 min

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#





#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 :

D9DB5

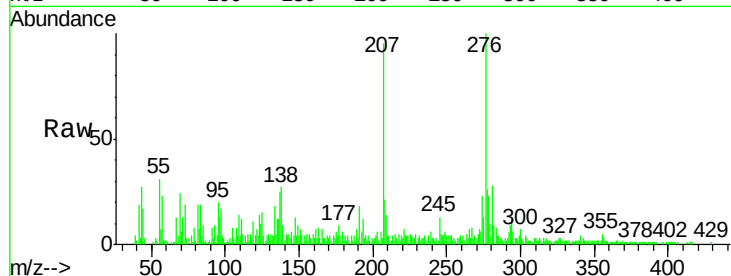
Tot Ion:276 Resp: 108034

Ion Ratio Lower Upper

276 100

138 26.8 25.3 37.9

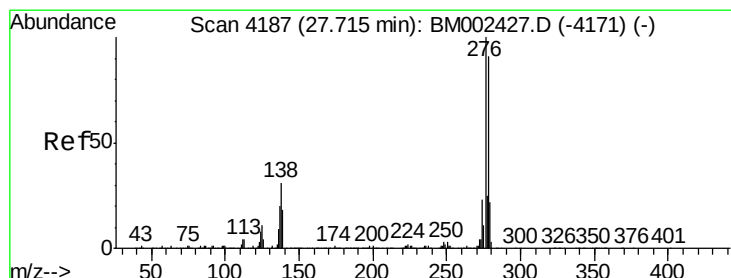
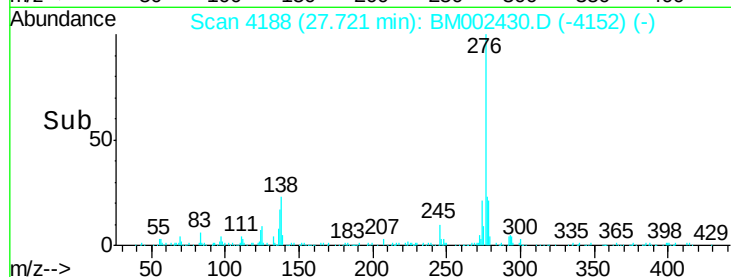
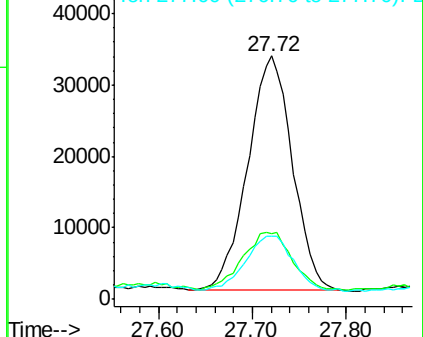
277 26.1 20.2 30.2



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



#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

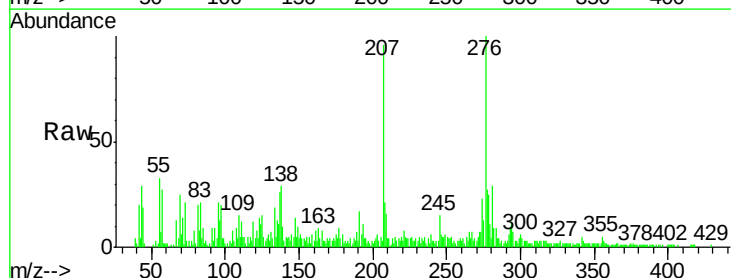
Tgt Ion:278 Resp: 33310

Ion Ratio Lower Upper

278 100

139 37.4 16.5 24.7#

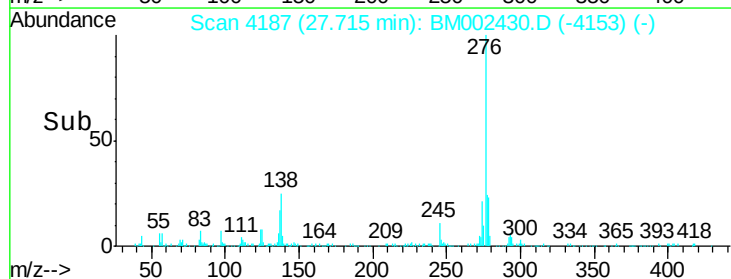
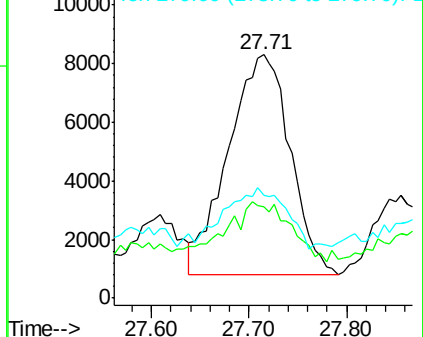
279 42.1 18.8 28.2#

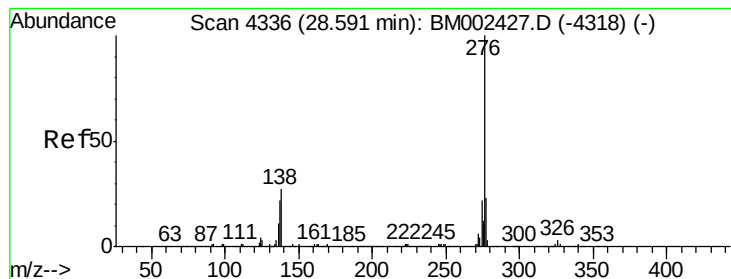


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#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

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D9DB5

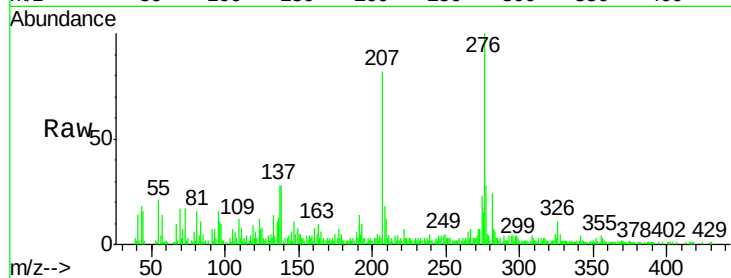
Tot Ion: 276 Resp: 142551

Ion Ratio Lower Upper

276 100

138 28.4 21.0 31.6

277 27.6 19.2 28.8



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

