

Data Path : Z:\HPCHEM1\BNA M\DATA\BM081415\
 Data File : BM002441.D
 Acq On : 16 Aug 2015 01:05
 Operator : UM/IZ
 Sample : G3194-19MSD
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 17 05:19:37 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

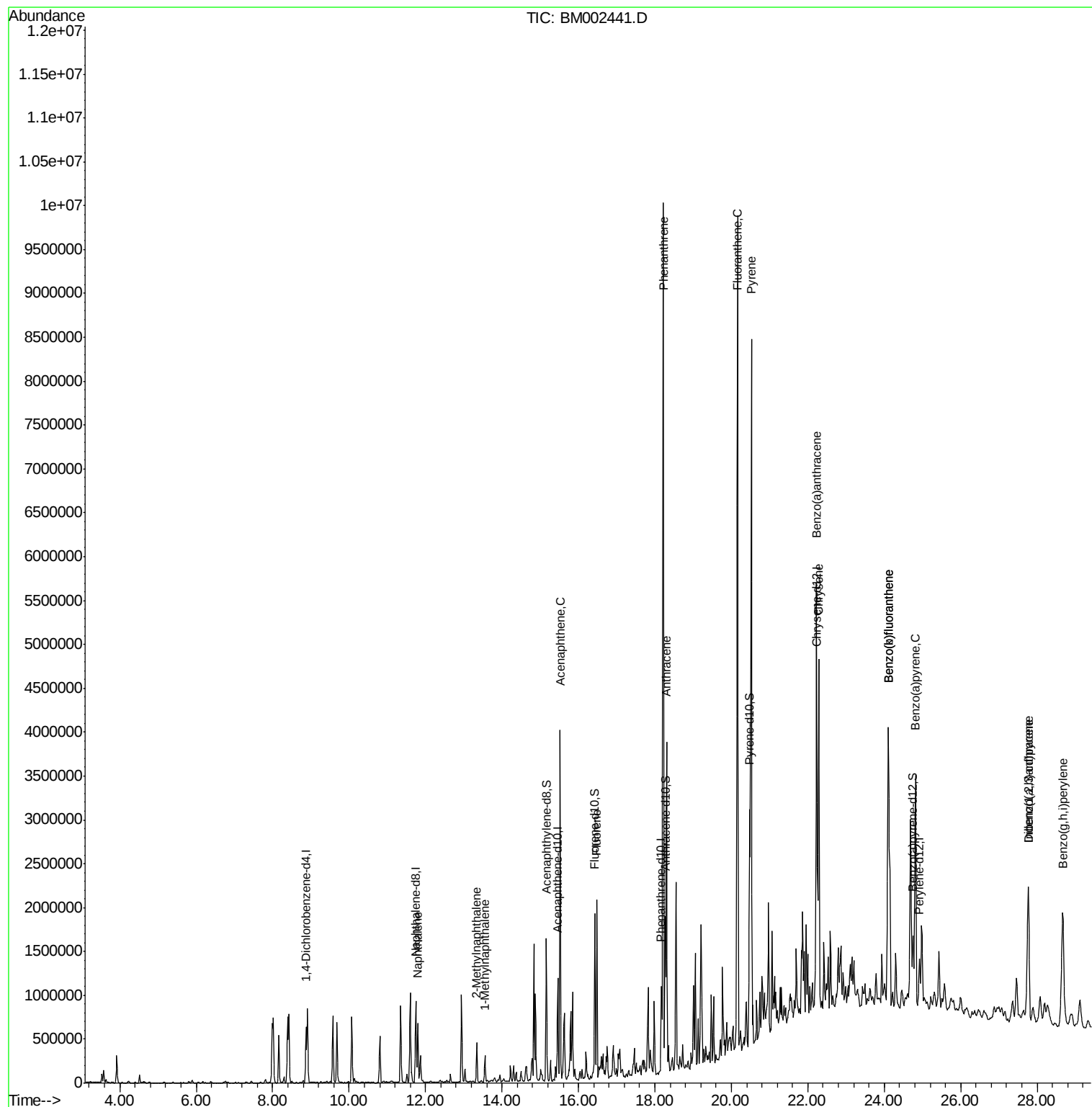
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.87	152	192002	20.00	ng/ul	0.00
2) Naphthalene-d8	11.75	136	842733	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.46	164	399914	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.17	188	648432	20.00	ng/ul	0.01
17) Chrysene-d12	22.24	240	455894	20.00	ng/ul	0.01
22) Perylene-d12	24.92	264	494204	20.00	ng/ul	0.02
System Monitoring Compounds						
7) Acenaphthylene-d8	15.16	160	1230609	30.10	ng/ul	0.00
10) Fluorene-d10	16.43	176	777145	27.06	ng/ul	0.00
14) Anthracene-d10	18.27	188	935311	29.90	ng/ul	0.02
18) Pyrene-d10	20.48	212	722643	35.76	ng/ul	0.01
25) Benzo(a)pyrene-d12	24.75	264	746615	28.76	ng/ul	0.03
Target Compounds				Ovalue		
3) Naphthalene	11.80	128	609988	14.18	ng/ul	99
4) 2-Methylnaphthalene	13.34	142	227584	7.06	ng/ul	100
5) 1-Methylnaphthalene	13.55	142	148611	4.66	ng/ul	99
9) Acenaphthene	15.52	153	1723261	61.13	ng/ul	99
11) Fluorene	16.48	166	953949	29.53	ng/ul	100
13) Phenanthrene	18.22	178	7207305	192.48	ng/ul	97
15) Anthracene	18.30	178	2429378	64.02	ng/ul	99
16) Fluoranthene	20.16	202	6530545	154.05	ng/ul	95
19) Pyrene	20.52	202	5754276	215.45	ng/ul	98
20) Benzo(a)anthracene	22.23	228	2665252	97.76	ng/ul	98
21) Chrysene	22.29	228	2495745	97.88	ng/ul	96
23) Benzo(b)fluoranthene	24.10	252	3423938	114.60	ng/ul	98
24) Benzo(k)fluoranthene	24.10	252	739459	26.12	ng/ul	98
26) Benzo(a)pyrene	24.81	252	2345596	82.20	ng/ul	97
27) Indeno(1,2,3-cd)pyrene	27.77	276	1786926	54.45	ng/ul	94
28) Dibenzo(a,h)anthracene	27.77	278	506769	18.47	ng/ul#	89
29) Benzo(g,h,i)perylene	28.66	276	1564242	57.26	ng/ul	98

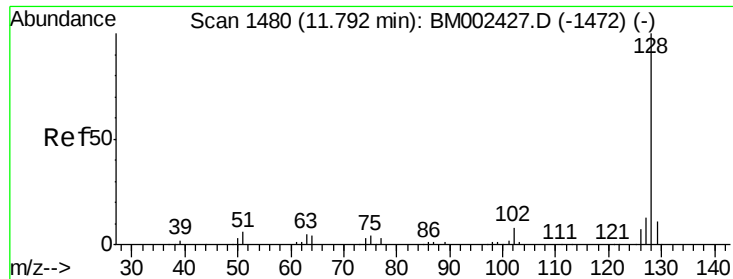
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 14.18 ng/ul

RT: 11.80 min Scan# 1481

Delta R.T. 0.01 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

ClientSampleId :

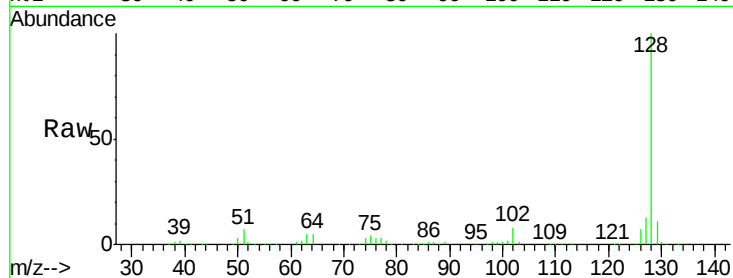
Tot Ion:128 Resp: 609988

Ion Ratio Lower Upper

128 100

129 11.1 8.6 12.8

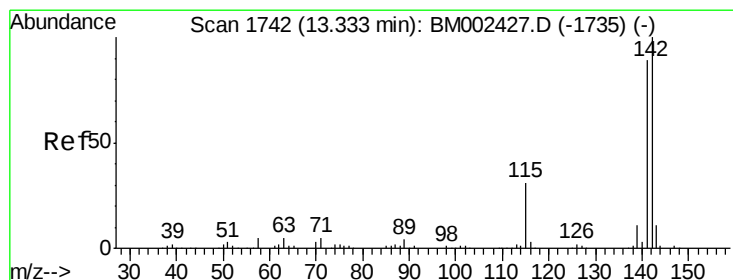
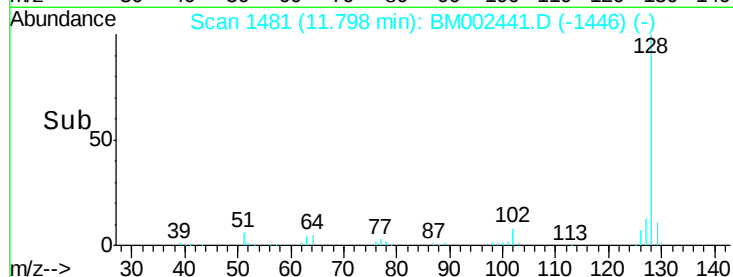
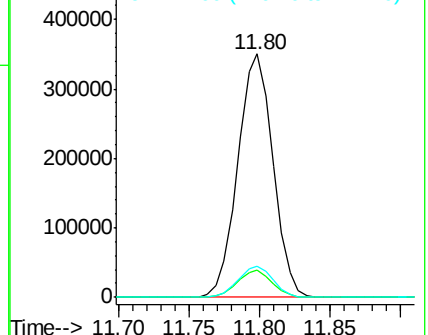
127 13.0 10.4 15.6



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



#4

2-Methylnaphthalene

Concen: 7.06 ng/ul

RT: 13.34 min Scan# 1743

Delta R.T. 0.01 min

Lab File: BM002441.D

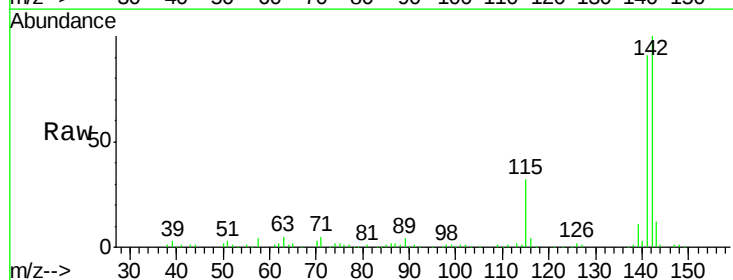
Acq: 16 Aug 2015 01:05

Tgt Ion:142 Resp: 227584

Ion Ratio Lower Upper

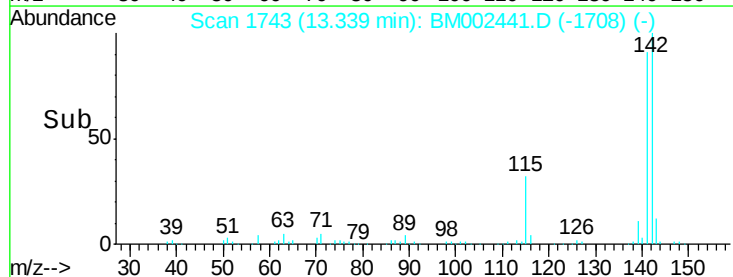
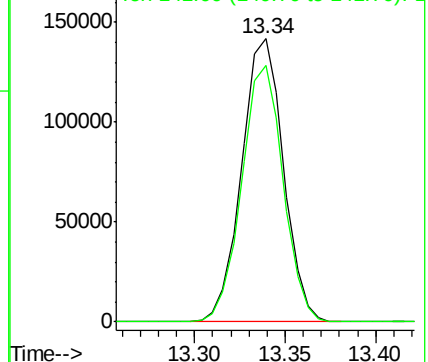
142 100

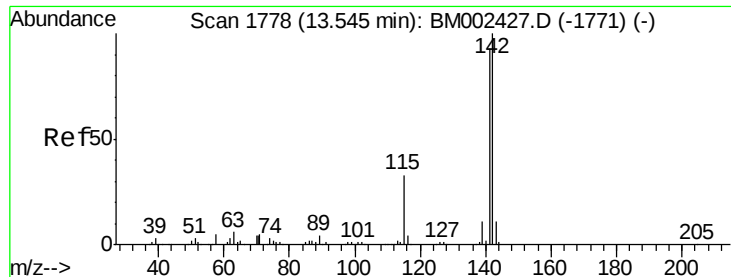
141 90.5 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 4.66 ng/ul

RT: 13.55 min Scan# 1779

Delta R.T. 0.01 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

ClientSampleId :

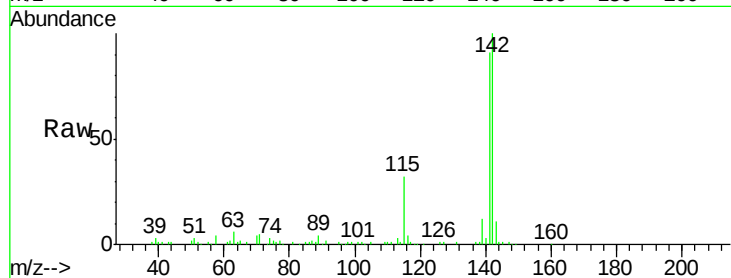
Tot Ion:142 Resp: 148611

Ion Ratio Lower Upper

142 100

141 91.2 73.9 110.9

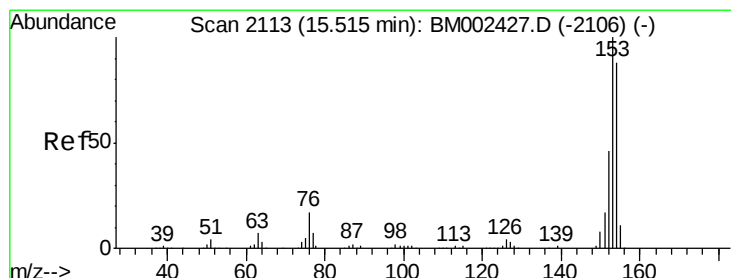
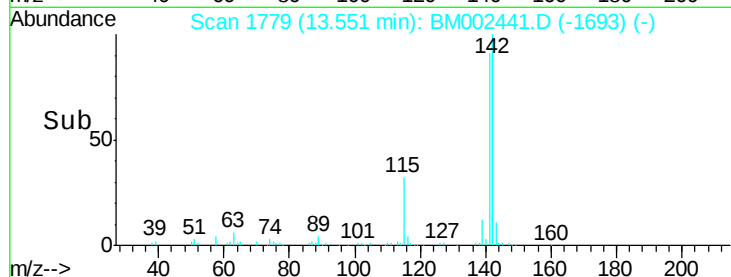
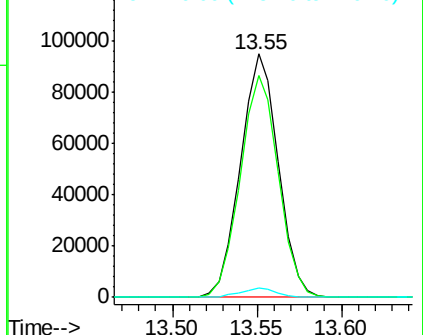
116 3.8 3.0 4.4



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



#9

Acenaphthene

Concen: 61.13 ng/ul

RT: 15.52 min Scan# 2114

Delta R.T. 0.01 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

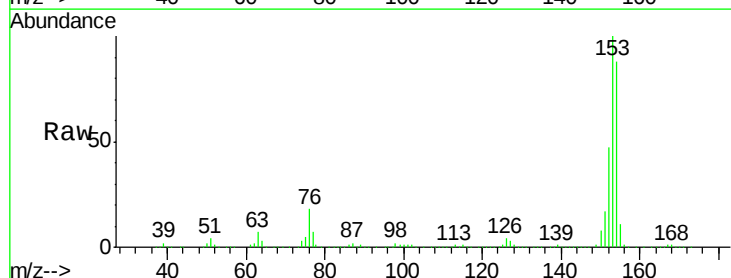
Tgt Ion:153 Resp: 1723261

Ion Ratio Lower Upper

153 100

152 46.7 36.9 55.3

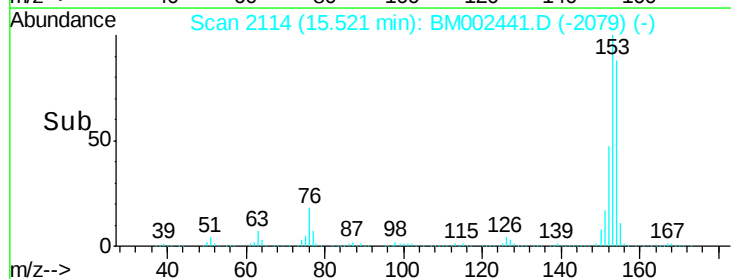
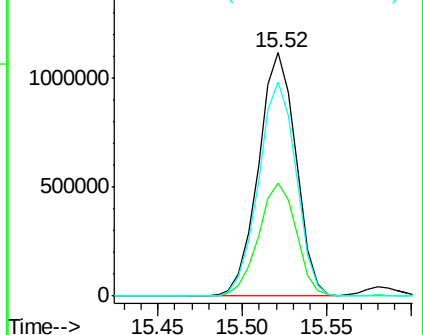
154 87.9 71.3 106.9

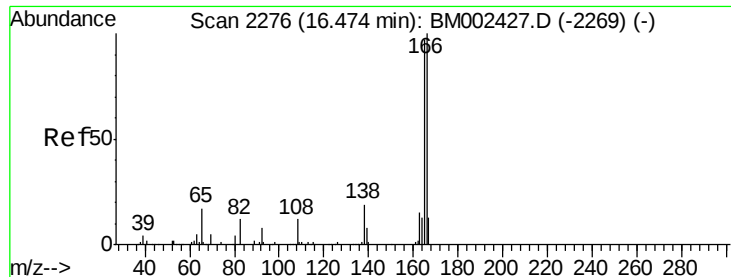


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 29.53 ng/ul

RT: 16.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

ClientSampleId :

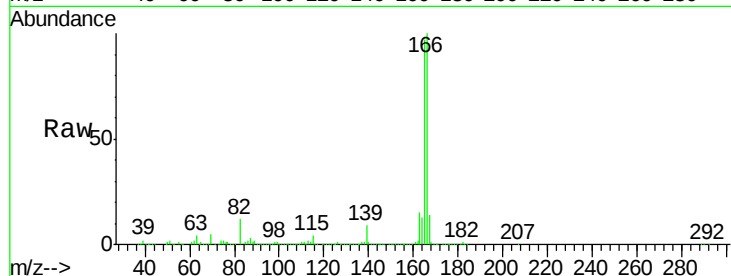
Tot Ion:166 Resp: 953949

Ion Ratio Lower Upper

166 100

165 96.9 77.6 116.4

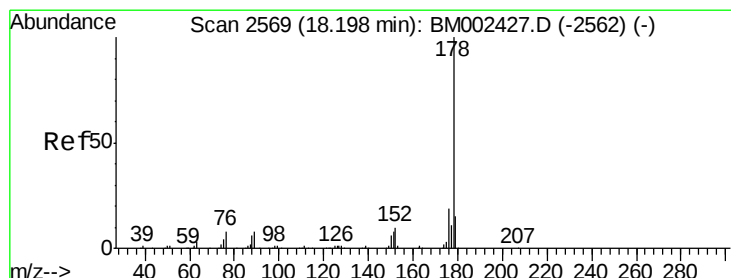
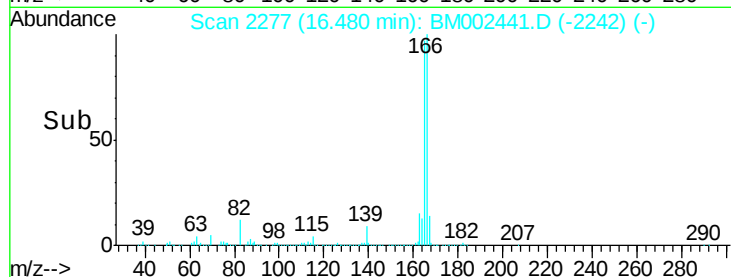
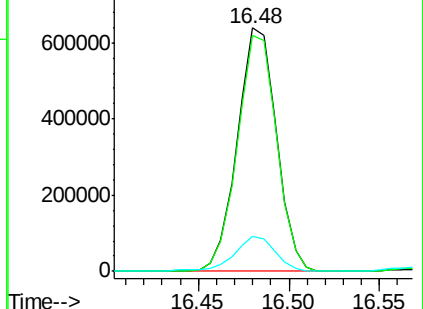
167 14.3 10.7 16.1



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



#13

Phenanthrene

Concen: 192.48 ng/ul

RT: 18.22 min Scan# 2573

Delta R.T. 0.02 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

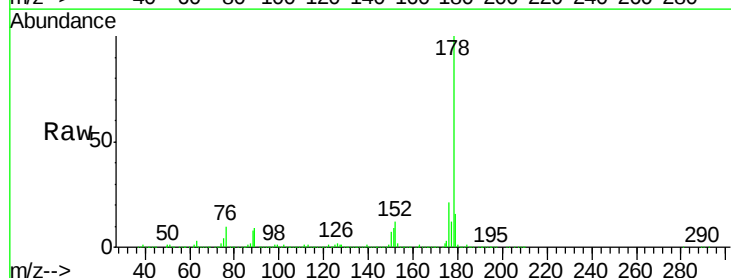
Tgt Ion:178 Resp: 7207305

Ion Ratio Lower Upper

178 100

179 16.4 12.4 18.6

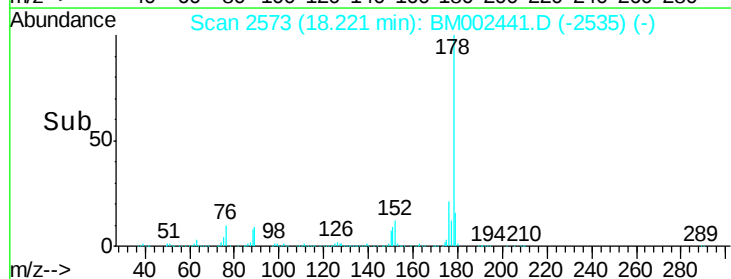
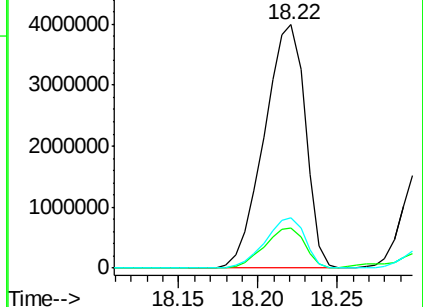
176 20.9 15.1 22.7

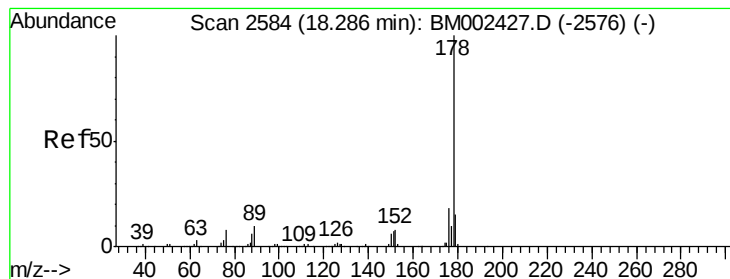


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#15

Anthracene

Concen: 64.02 ng/ul

RT: 18.30 min Scan# 2587

Delta R.T. 0.02 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

ClientSampleId :

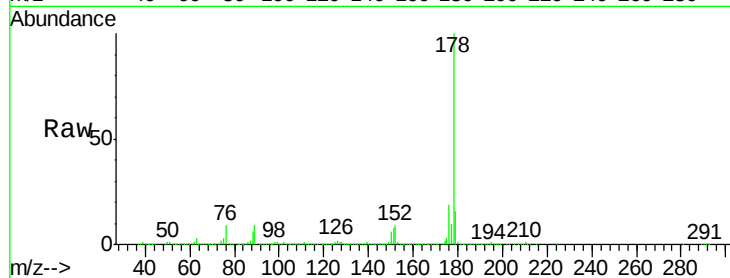
Tot Ion:178 Resp: 2429378

Ion Ratio Lower Upper

178 100

179 15.7 12.6 18.8

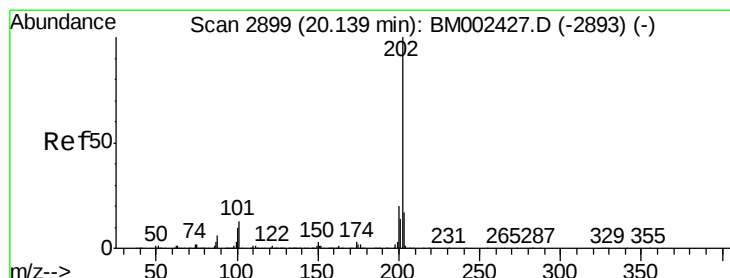
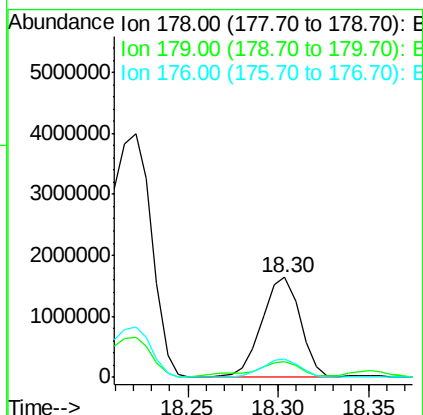
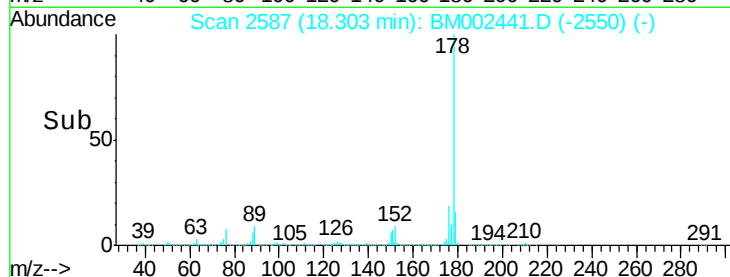
176 18.7 14.5 21.7



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: 154.05 ng/ul

RT: 20.16 min Scan# 2903

Delta R.T. 0.02 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

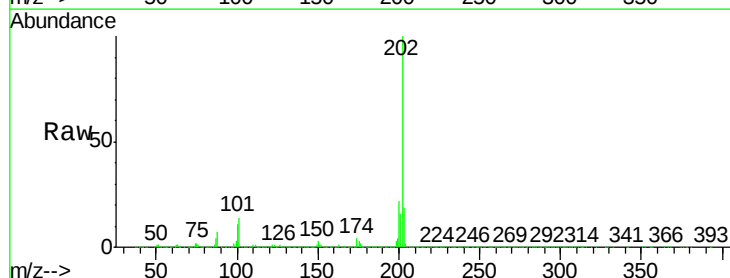
Tgt Ion:202 Resp: 6530545

Ion Ratio Lower Upper

202 100

101 14.4 9.7 14.5

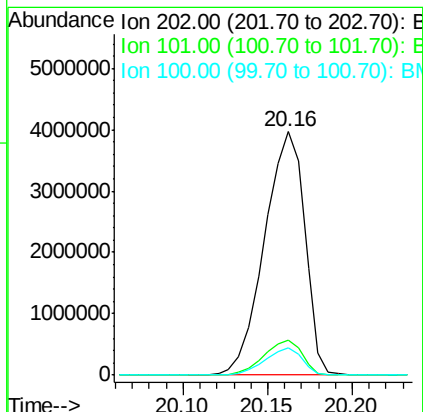
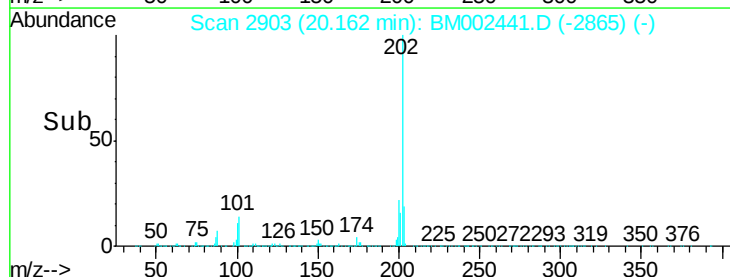
100 11.0 7.4 11.2

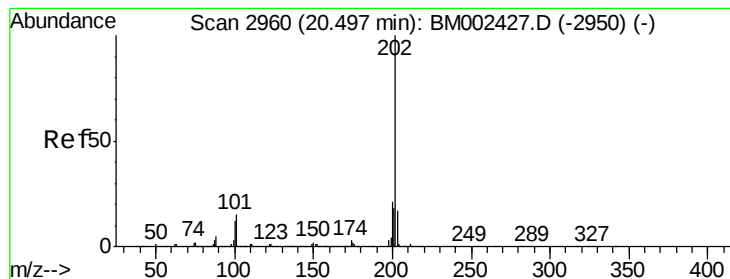


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#19

Pvrene

Concen: 215.45 ng/ul

RT: 20.52 min Scan# 2964

Delta R.T. 0.02 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

ClientSampleId :

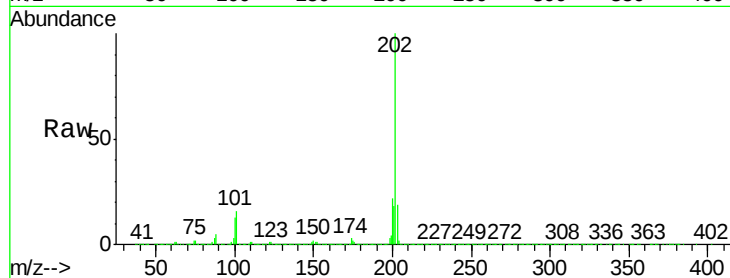
Tot Ion:202 Resp: 5754276

Ion Ratio Lower Upper

202 100

101 15.8 12.0 18.0

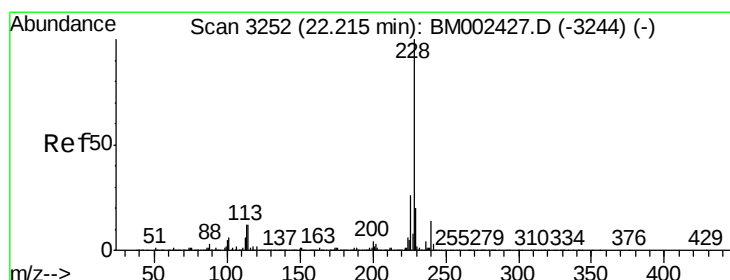
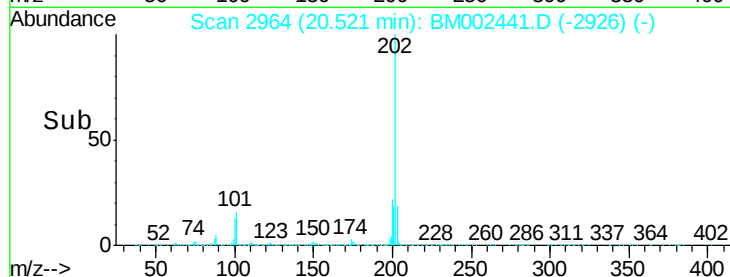
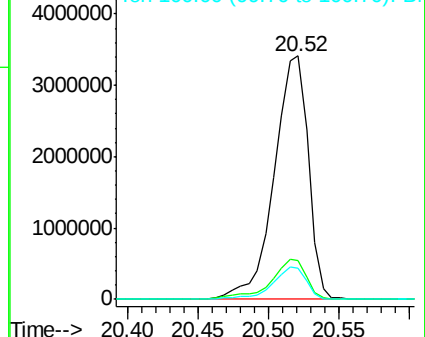
100 13.0 9.7 14.5



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: 97.76 ng/ul

RT: 22.23 min Scan# 3254

Delta R.T. 0.01 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

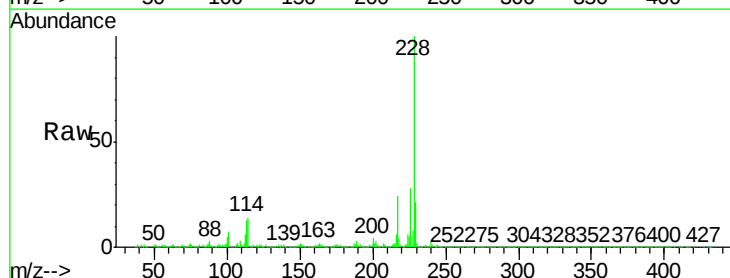
Tgt Ion:228 Resp: 2665252

Ion Ratio Lower Upper

228 100

229 20.9 15.8 23.6

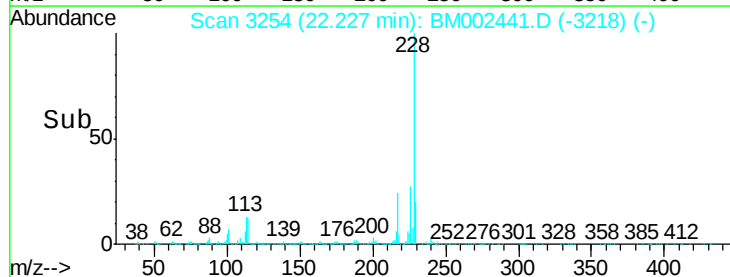
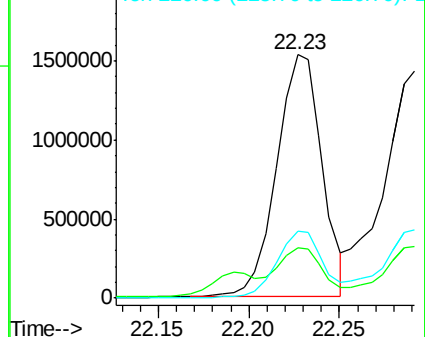
226 27.5 21.1 31.7

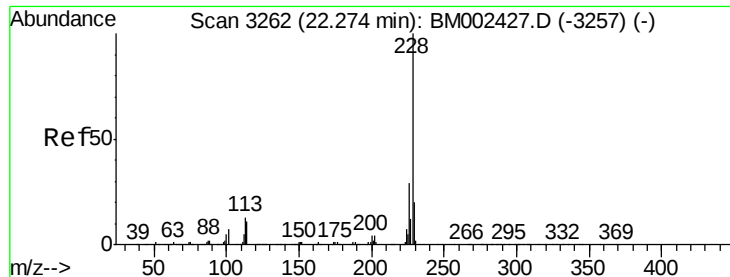


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 229.00 (228.70 to 229.70): E

Ion 226.00 (225.70 to 226.70): E





#21

Chrysene

Concen: 97.88 ng/ul

RT: 22.29 min Scan# 3265

Delta R.T. 0.02 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

ClientSampleId :

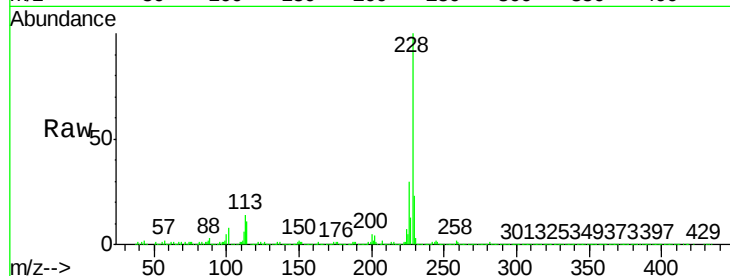
Tot Ion:228 Resp: 2495745

Ion Ratio Lower Upper

228 100

226 30.2 23.4 35.2

229 22.9 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

2000000

1500000

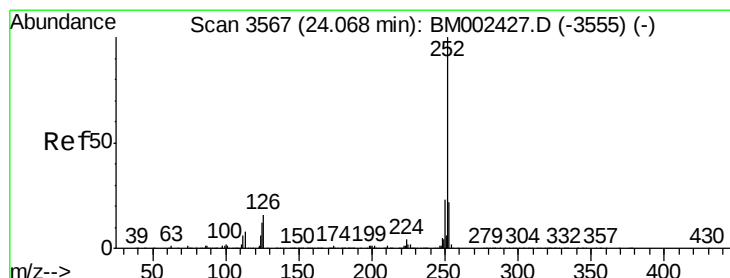
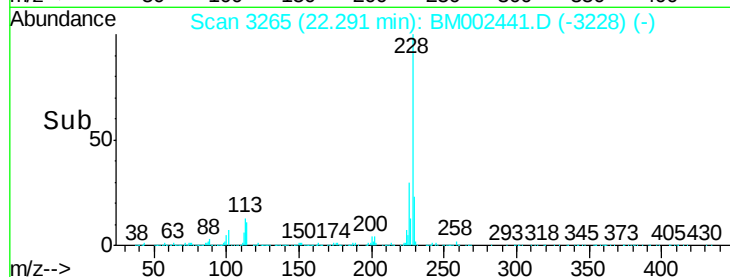
1000000

500000

0

22.25 22.30 22.35

Time-->



#23

Benzo(b)fluoranthene

Concen: 114.60 ng/ul

RT: 24.10 min Scan# 3573

Delta R.T. 0.04 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

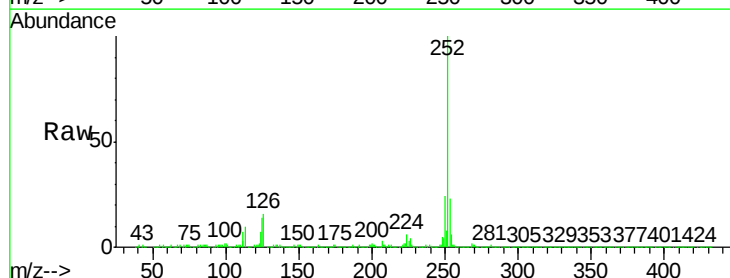
Tgt Ion:252 Resp: 3423938

Ion Ratio Lower Upper

252 100

253 22.6 17.4 26.0

125 13.8 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

1500000

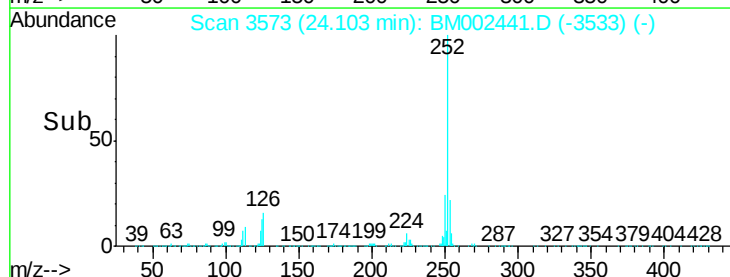
1000000

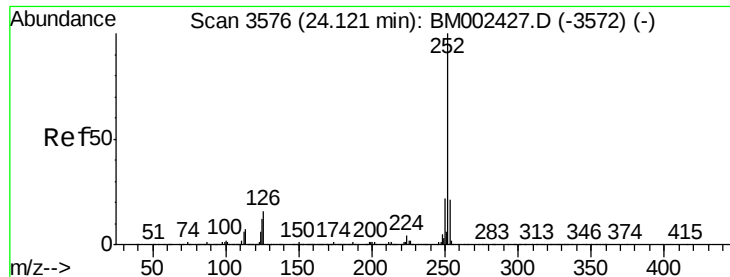
500000

0

24.00 24.05 24.10 24.15

Time-->

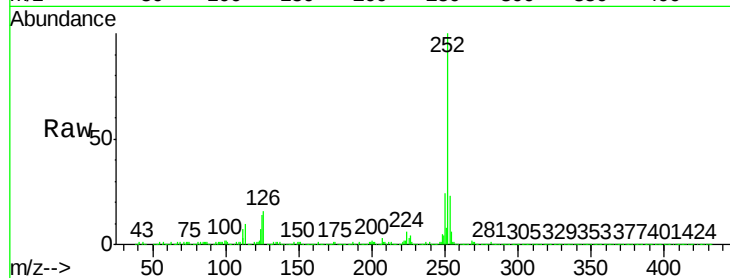




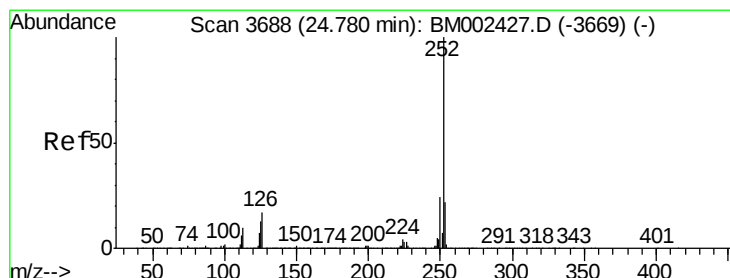
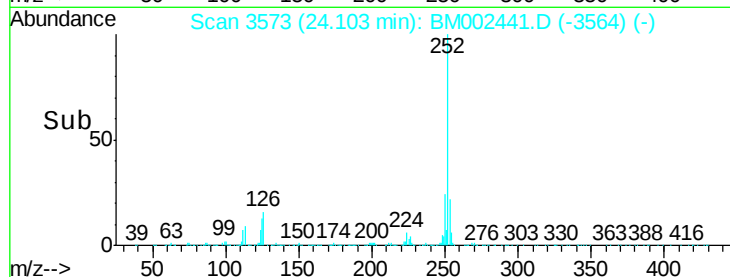
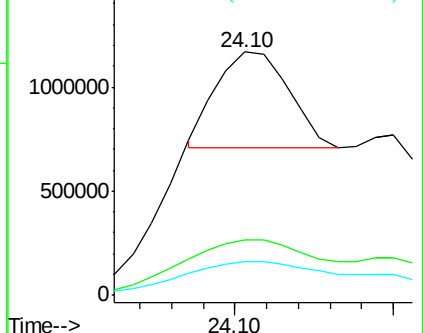
#24
Benzo(k)fluoranthene
Concen: 26.12 ng/ul
RT: 24.10 min Scan# 3573
Delta R.T. -0.02 min
Lab File: BM002441.D
Acq: 16 Aug 2015 01:05

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	13.8	9.8	14.8

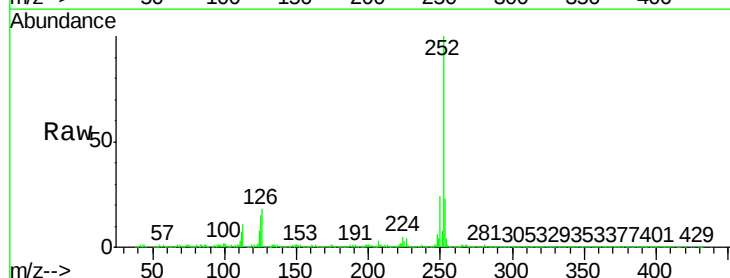


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

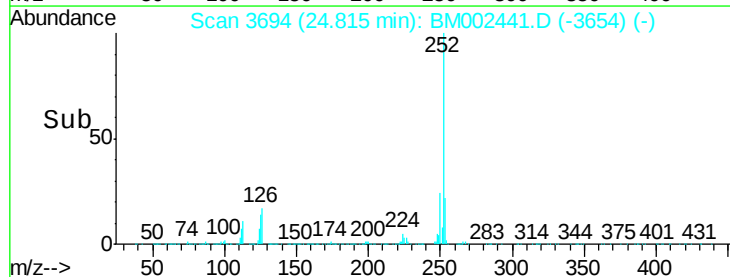
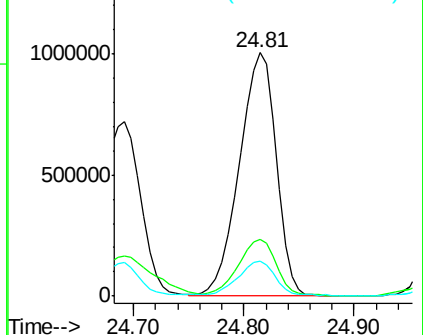


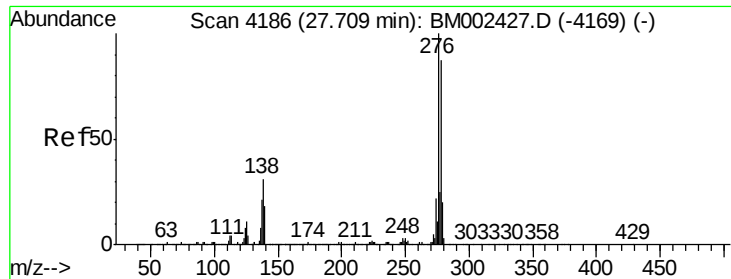
#26
Benzo(a)pyrene
Concen: 82.20 ng/ul
RT: 24.81 min Scan# 3694
Delta R.T. 0.04 min
Lab File: BM002441.D
Acq: 16 Aug 2015 01:05

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.6	26.4
125	14.5	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: 54.45 ng/ul

RT: 27.77 min Scan# 4197

Delta R.T. 0.06 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

ClientSampleId :

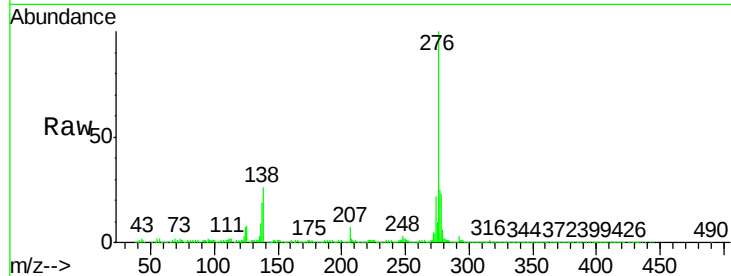
Tot Ion:276 Resp: 1786926

Ion Ratio Lower Upper

276 100

138 26.2 25.3 37.9

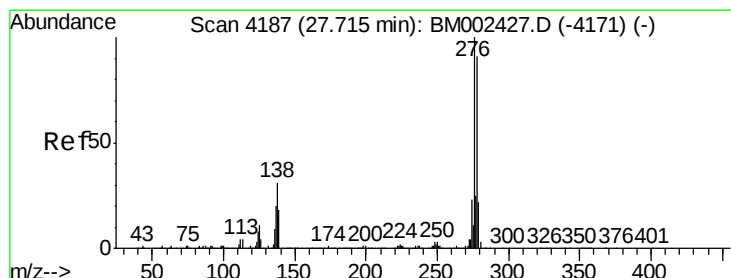
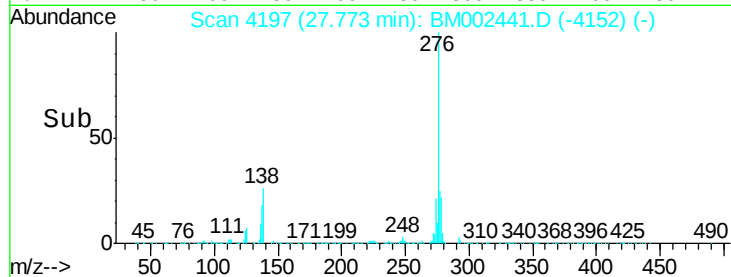
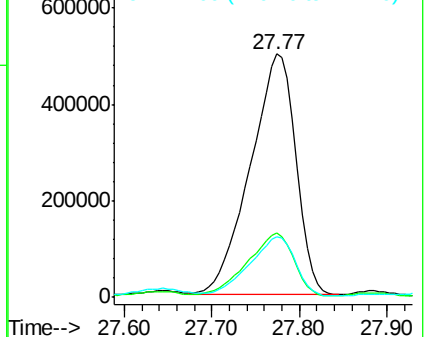
277 25.0 20.2 30.2



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: 18.47 ng/ul

RT: 27.77 min Scan# 4196

Delta R.T. 0.05 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

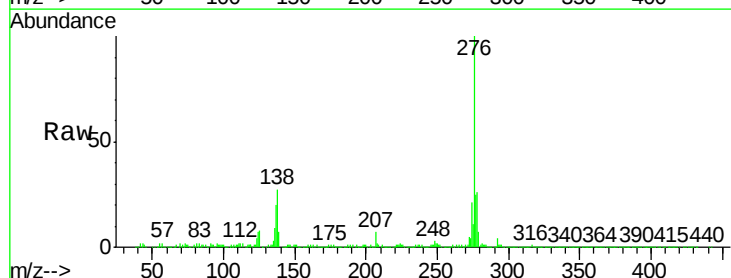
Tgt Ion:278 Resp: 506769

Ion Ratio Lower Upper

278 100

139 27.4 16.5 24.7#

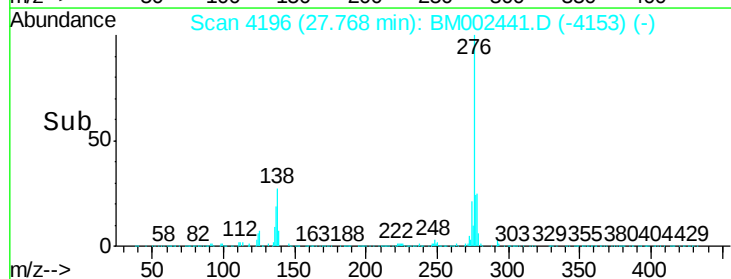
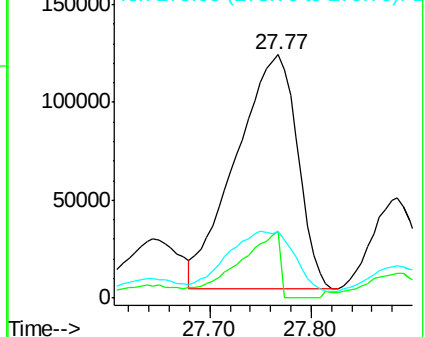
279 27.3 18.8 28.2

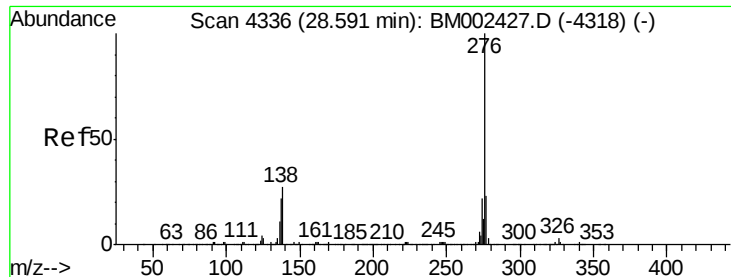


Abundance Ion 278.00 (277.70 to 278.70): E

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: 57.26 ng/ul

RT: 28.66 min Scan# 4348

Delta R.T. 0.07 min

Lab File: BM002441.D

Acq: 16 Aug 2015 01:05

Instrument :

BNA_M

ClientSampleId :

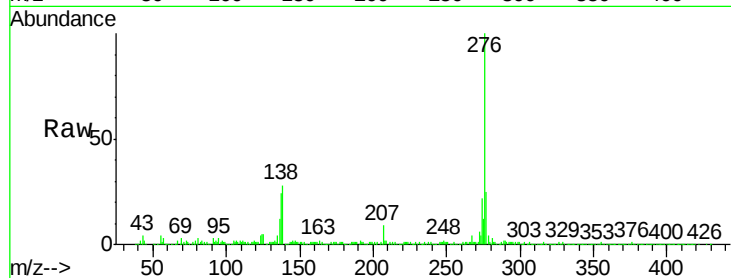
Tot Ion:276 Resp: 1564242

Ion Ratio Lower Upper

276 100

138 27.6 21.0 31.6

277 25.1 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

