

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM083115\
 Data File : BM002614.D
 Acq On : 01 Sep 2015 06:21
 Operator : UM/IZ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02067

Quant Time: Sep 01 07:04:21 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Sep 01 02:00:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.78	152	155872	20.00	ng/ul	0.00
2) Naphthalene-d8	11.65	136	716103	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.37	164	359617	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.08	188	536606	20.00	ng/ul	0.00
17) Chrysene-d12	22.16	240	393654	20.00	ng/ul	0.00
22) Perylene-d12	24.79	264	388110	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	698598	19.00	ng/ul	0.00
10) Fluorene-d10	16.34	176	470715	18.23	ng/ul	0.00
14) Anthracene-d10	18.17	188	486811	18.81	ng/ul	0.00
18) Pyrene-d10	20.40	212	407224	23.34	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.61	264	383889	18.83	ng/ul	0.00

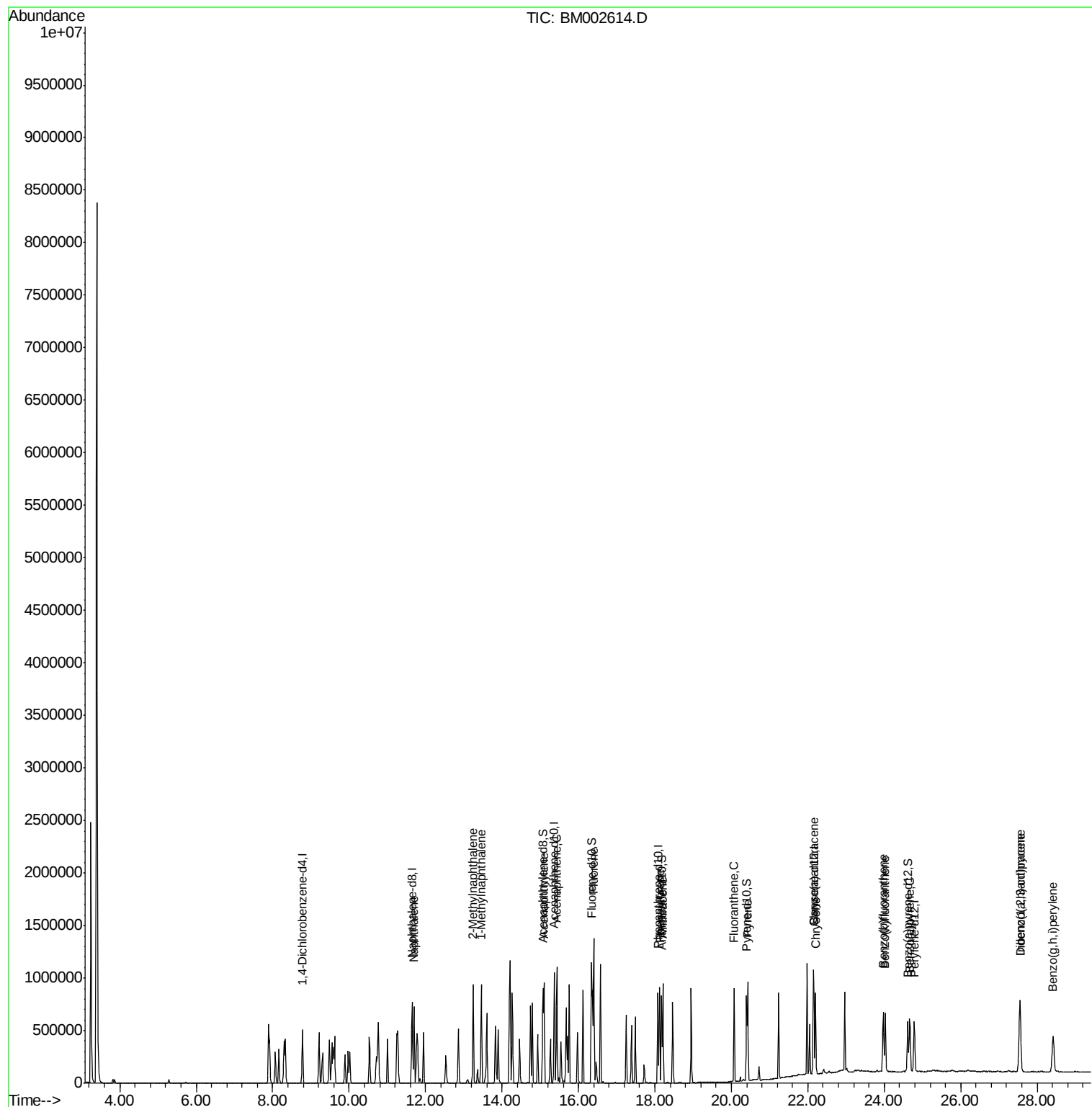
Target Compounds				Qvalue		
3) Naphthalene	11.70	128	682731	18.68	ng/ul	100
4) 2-Methylnaphthalene	13.24	142	482926	17.64	ng/ul	98
5) 1-Methylnaphthalene	13.46	142	469792	17.35	ng/ul	100
8) Acenaphthylene	15.10	152	728837	18.94	ng/ul	99
9) Acenaphthene	15.43	153	479625	18.92	ng/ul	99
11) Fluorene	16.40	166	535432	18.43	ng/ul	100
13) Phenanthrene	18.12	178	586336	18.92	ng/ul	99
15) Anthracene	18.21	178	592215	18.86	ng/ul	99
16) Fluoranthene	20.07	202	543304	15.49	ng/ul	97
19) Pyrene	20.43	202	542566	23.53	ng/ul	99
20) Benzo(a)anthracene	22.14	228	447466	19.01	ng/ul	100
21) Chrysene	22.20	228	414021	18.80	ng/ul	99
23) Benzo(b)fluoranthene	23.97	252	431073	18.37	ng/ul	100
24) Benzo(k)fluoranthene	24.03	252	425076	19.12	ng/ul	99
26) Benzo(a)pyrene	24.67	252	422115	18.84	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.55	276	507147	19.68	ng/ul	98
28) Dibenzo(a,h)anthracene	27.56	278	425678	19.76	ng/ul	99
29) Benzo(g,h,i)perylene	28.41	276	424078	19.77	ng/ul	98

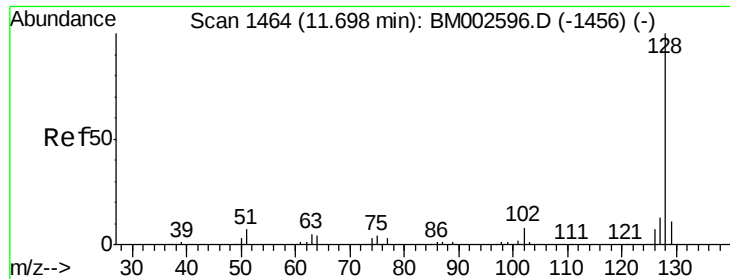
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 18.68 ng/ul

RT: 11.70 min Scan# 1464

Delta R.T. 0.00 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

Instrument :

BNA_M

ClientSampleId :

SSTD02067

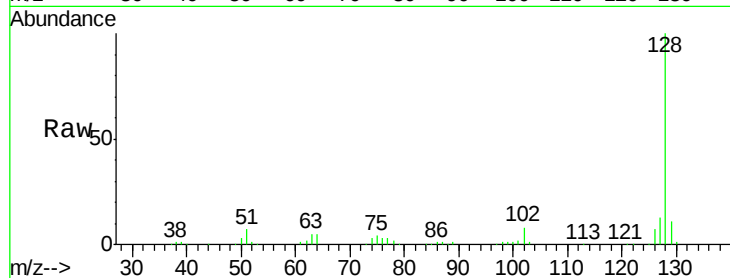
Tgt Ion:128 Resp: 682731

Ion Ratio Lower Upper

128 100

129 10.9 8.6 12.8

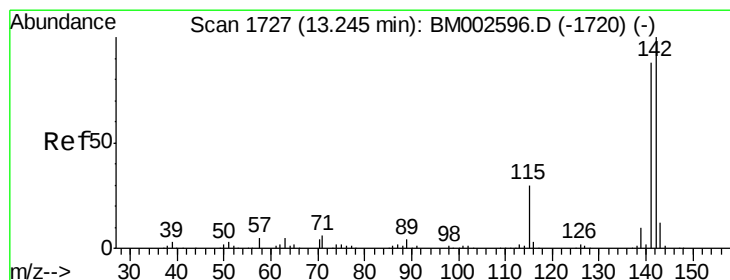
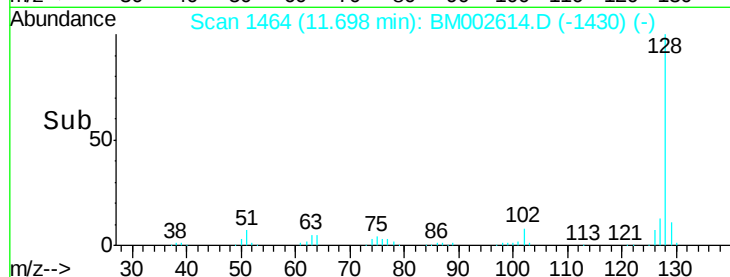
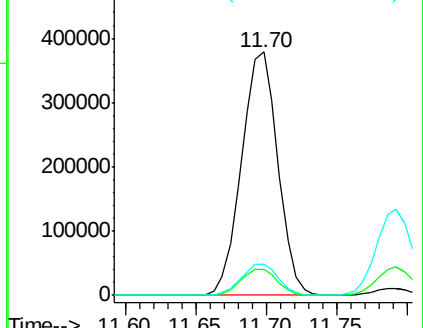
127 12.8 10.4 15.6



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: 17.64 ng/ul

RT: 13.24 min Scan# 1727

Delta R.T. 0.00 min

Lab File: BM002614.D

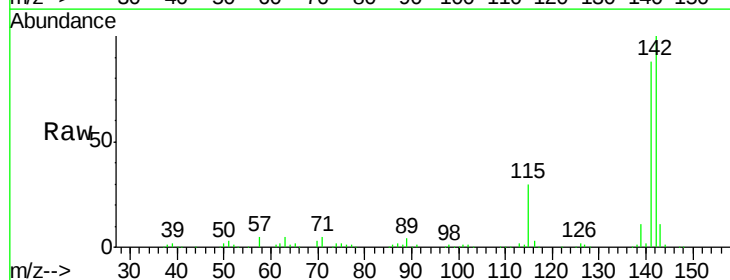
Acq: 01 Sep 2015 06:21

Tgt Ion:142 Resp: 482926

Ion Ratio Lower Upper

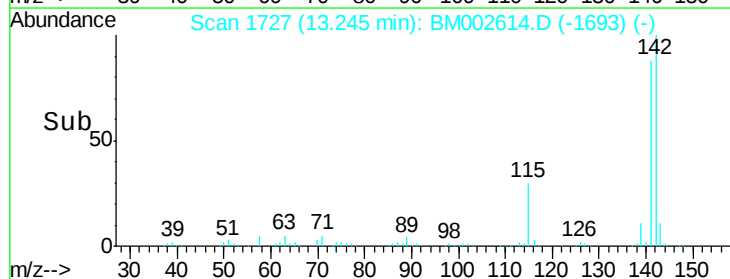
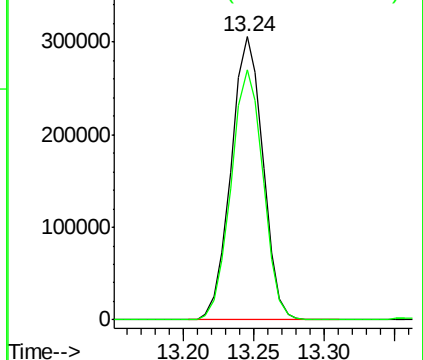
142 100

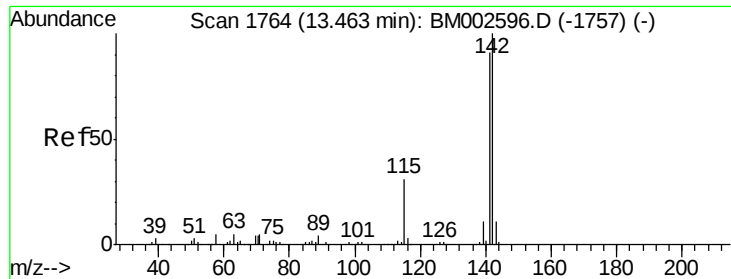
141 88.2 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 17.35 ng/ul

RT: 13.46 min Scan# 1763

Delta R.T. -0.01 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

Instrument :

BNA_M

ClientSampleId :

SSTD02067

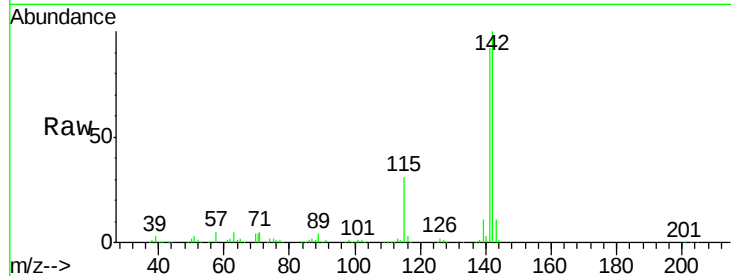
Tgt Ion:142 Resp: 469792

Ion Ratio Lower Upper

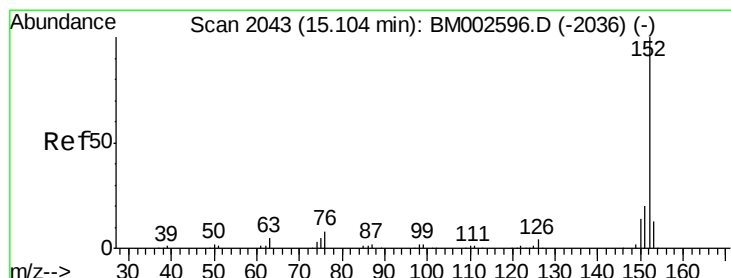
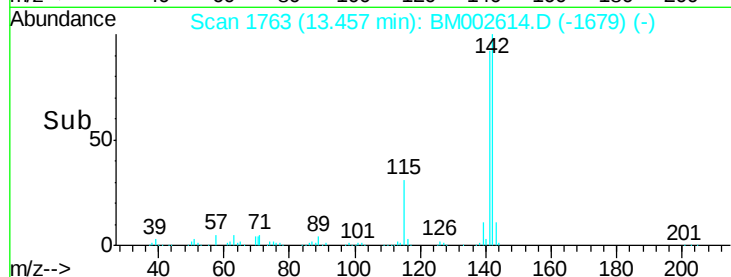
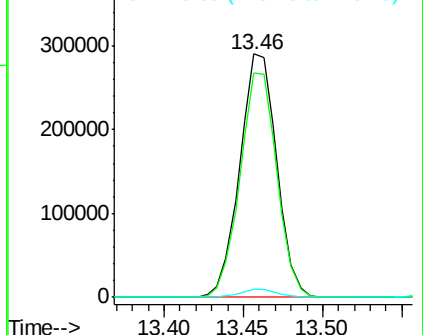
142 100

141 92.0 73.9 110.9

116 3.2 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



#8

Acenaphthylene

Concen: 18.94 ng/ul

RT: 15.10 min Scan# 2043

Delta R.T. 0.00 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

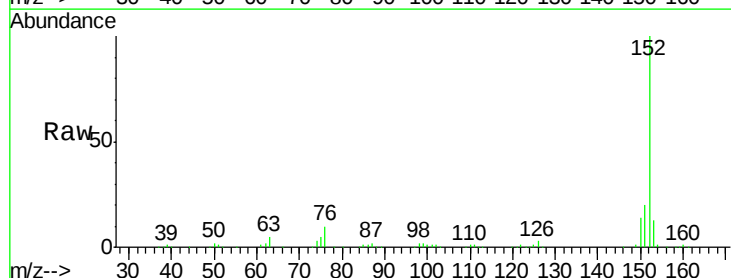
Tgt Ion:152 Resp: 728837

Ion Ratio Lower Upper

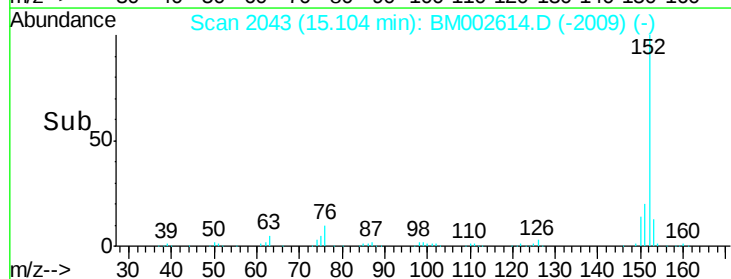
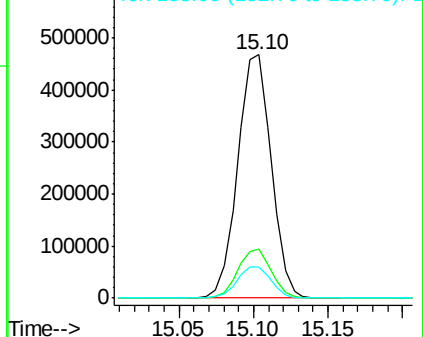
152 100

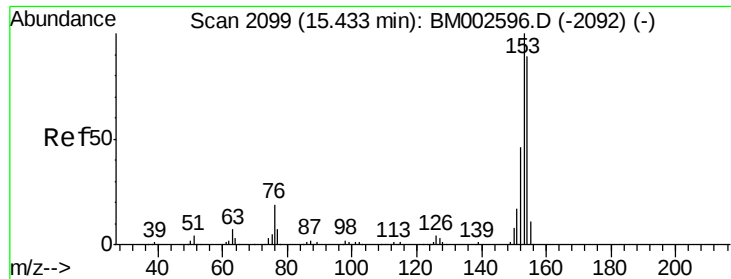
151 20.0 15.7 23.5

153 12.9 10.2 15.4



Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 18.92 ng/ul

RT: 15.43 min Scan# 2099

Delta R.T. 0.00 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

Instrument :

BNA_M

ClientSampleId :

SSTD02067

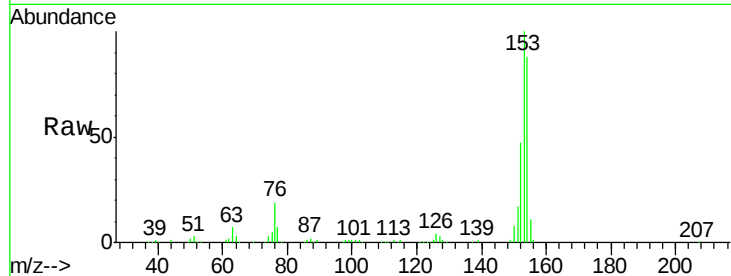
Tgt Ion:153 Resp: 479625

Ion Ratio Lower Upper

153 100

152 46.6 36.9 55.3

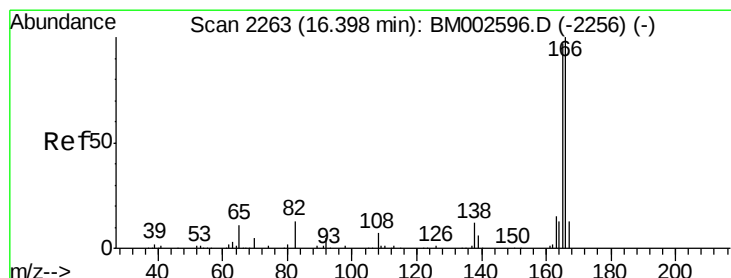
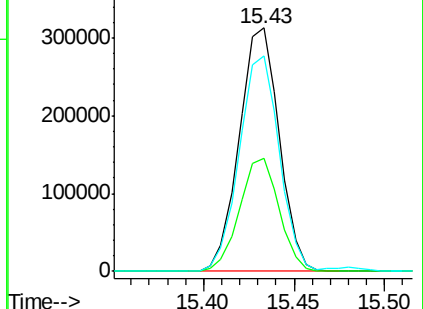
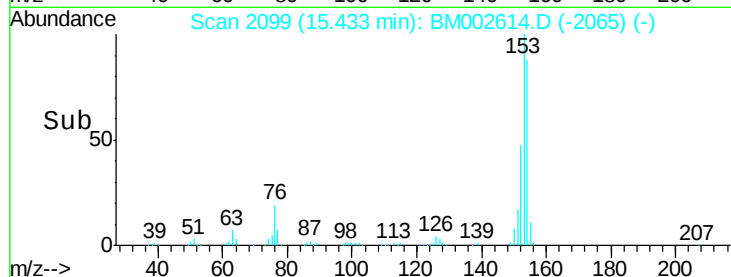
154 88.4 71.3 106.9



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: 18.43 ng/ul

RT: 16.40 min Scan# 2263

Delta R.T. 0.00 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

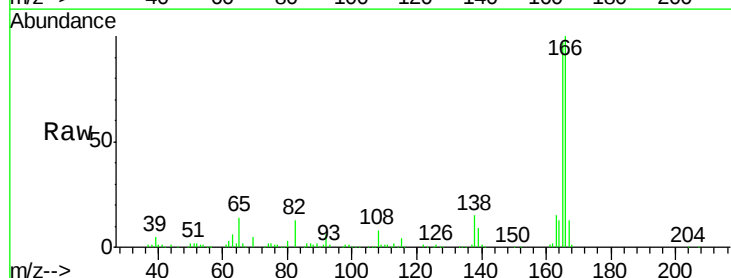
Tgt Ion:166 Resp: 535432

Ion Ratio Lower Upper

166 100

165 96.8 77.6 116.4

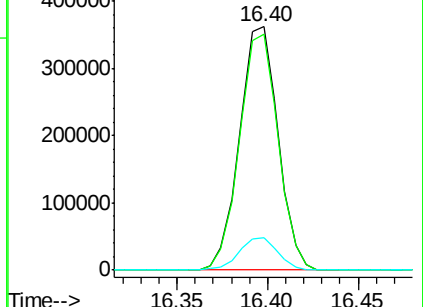
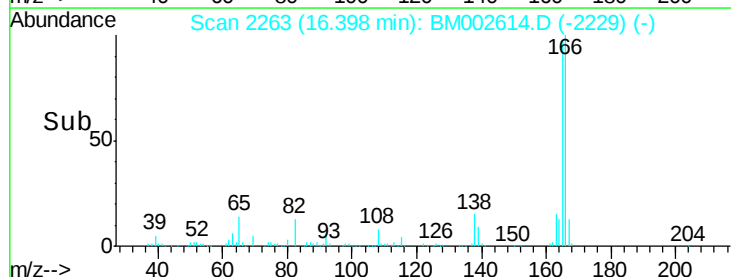
167 13.2 10.7 16.1

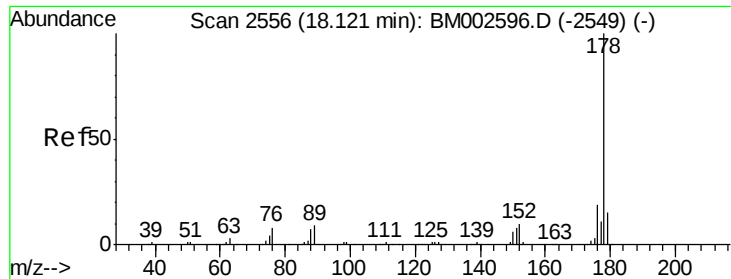


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 18.92 ng/ul

RT: 18.12 min Scan# 2556

Delta R.T. 0.00 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

Instrument :

BNA_M

ClientSampleId :

SSTD02067

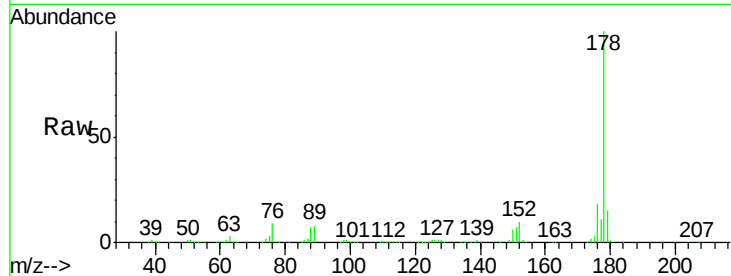
Tgt Ion:178 Resp: 586336

Ion Ratio Lower Upper

178 100

179 15.1 12.4 18.6

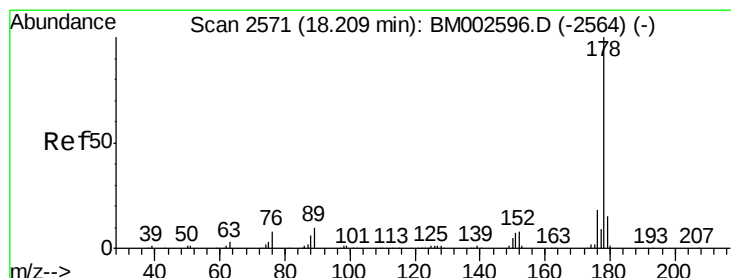
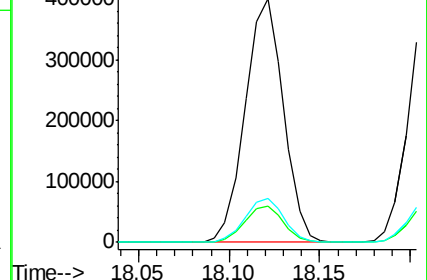
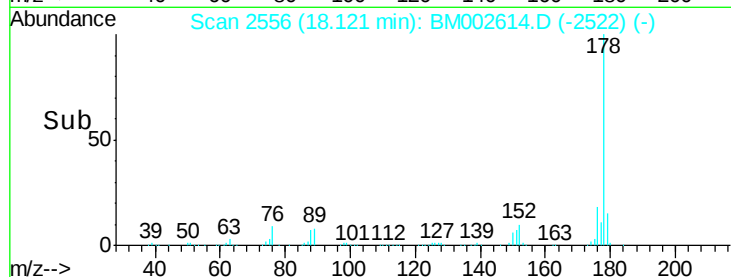
176 18.2 15.1 22.7



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: 18.86 ng/ul

RT: 18.21 min Scan# 2571

Delta R.T. 0.00 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

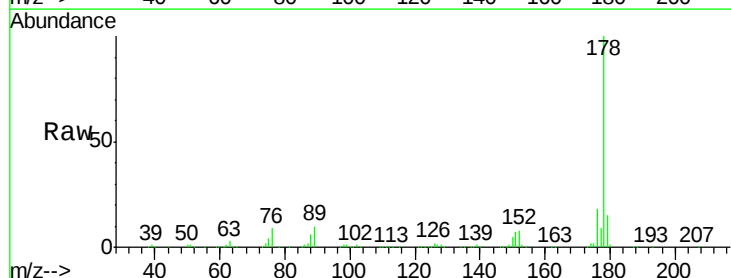
Tgt Ion:178 Resp: 592215

Ion Ratio Lower Upper

178 100

179 15.4 12.6 18.8

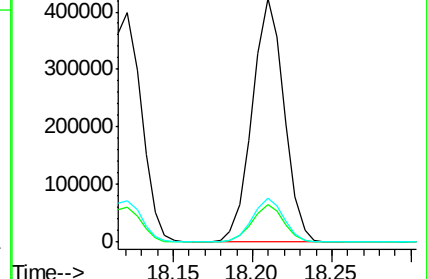
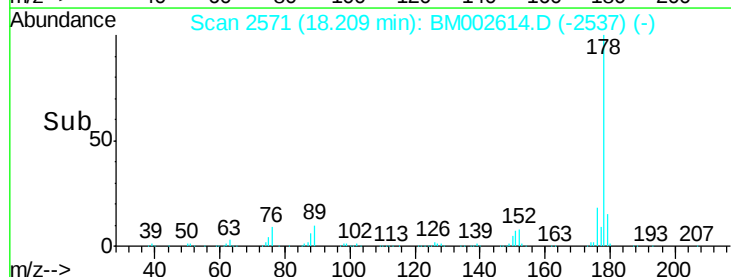
176 17.9 14.5 21.7

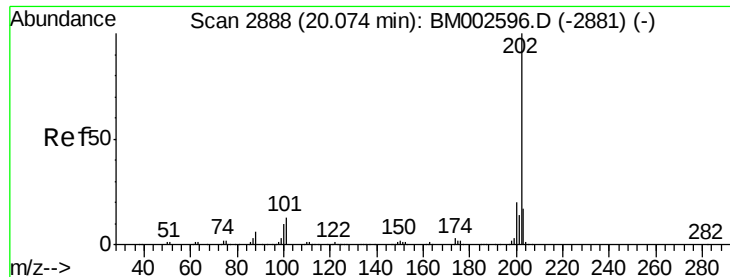


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 15.49 ng/ul

RT: 20.07 min Scan# 2887

Delta R.T. -0.01 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

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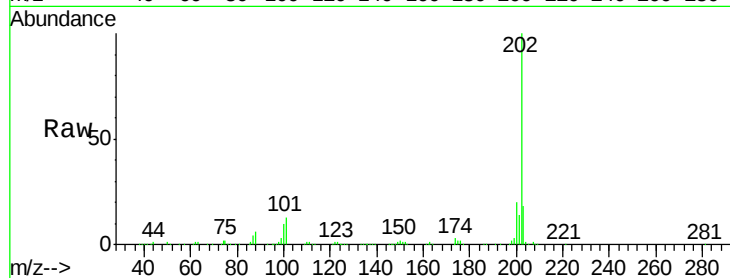
Tgt Ion:202 Resp: 543304

Ion Ratio Lower Upper

202 100

101 13.5 9.7 14.5

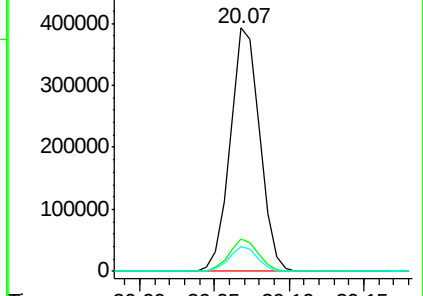
100 10.1 7.4 11.2



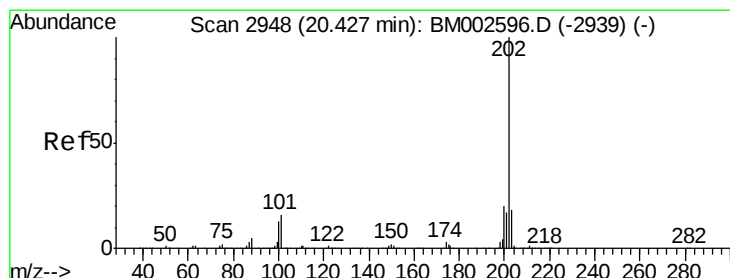
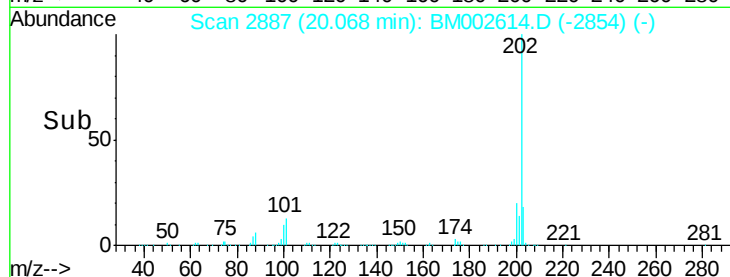
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#19

Pyrene

Concen: 23.53 ng/ul

RT: 20.43 min Scan# 2948

Delta R.T. 0.00 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

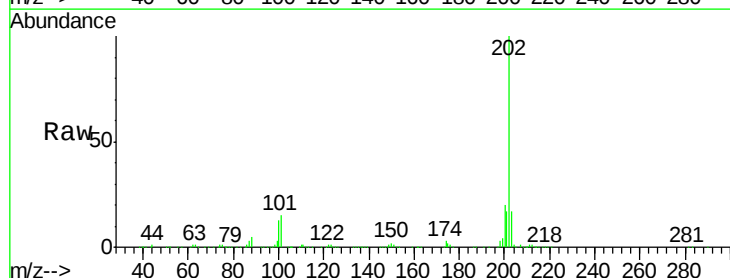
Tgt Ion:202 Resp: 542566

Ion Ratio Lower Upper

202 100

101 15.0 12.0 18.0

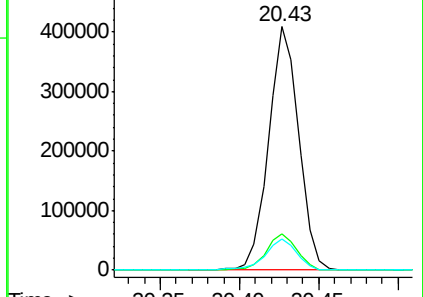
100 12.7 9.7 14.5



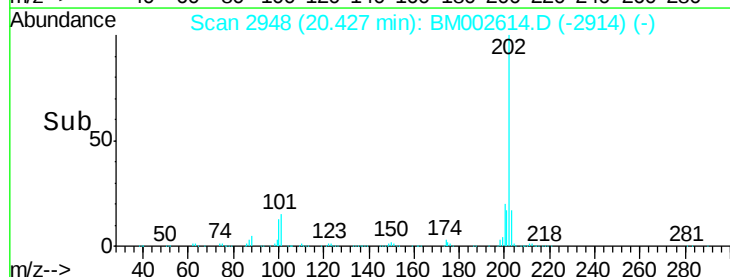
Abundance Ion 202.00 (201.70 to 202.70): E

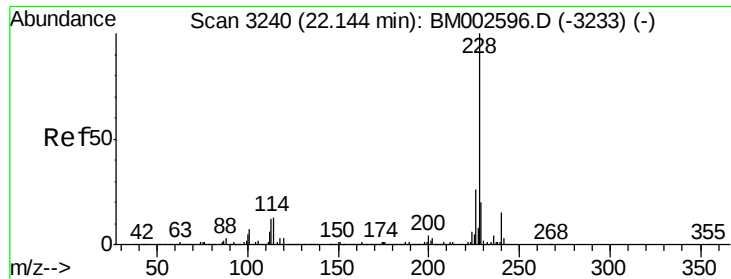
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#20

Benzo(a)anthracene

Concen: 19.01 ng/ul

RT: 22.14 min Scan# 3240

Delta R.T. 0.00 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

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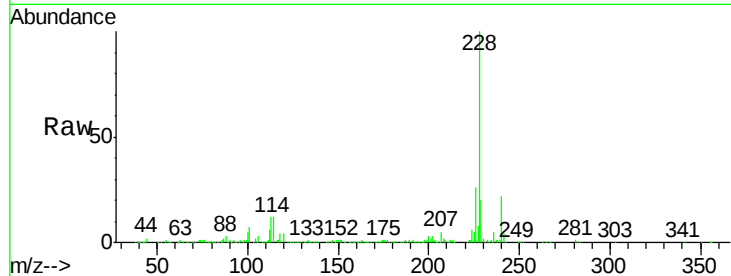
Tgt Ion:228 Resp: 447466

Ion Ratio Lower Upper

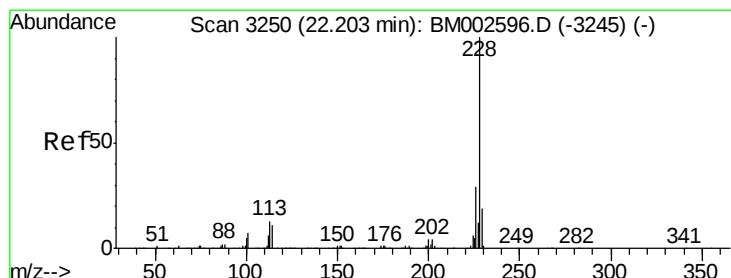
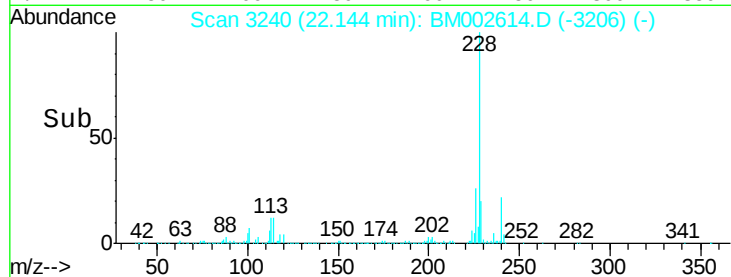
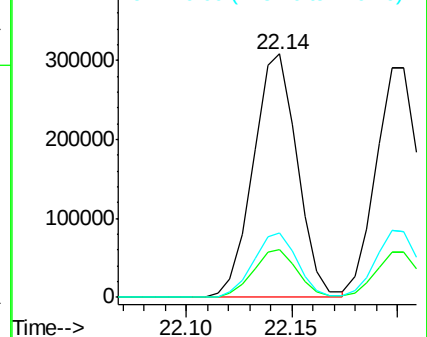
228 100

229 19.5 15.8 23.6

226 26.3 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: 18.80 ng/ul

RT: 22.20 min Scan# 3250

Delta R.T. 0.00 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

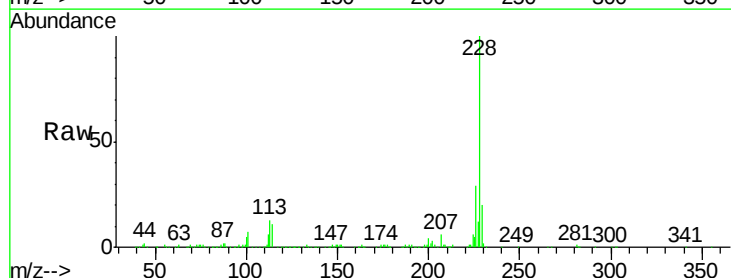
Tgt Ion:228 Resp: 414021

Ion Ratio Lower Upper

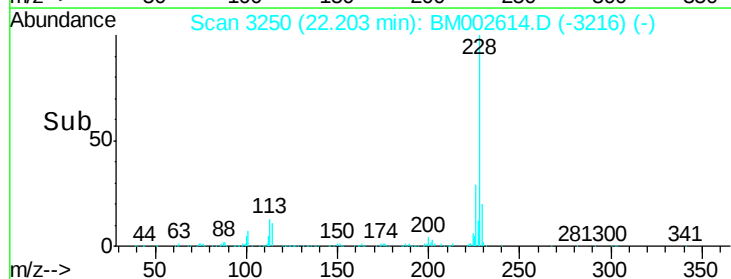
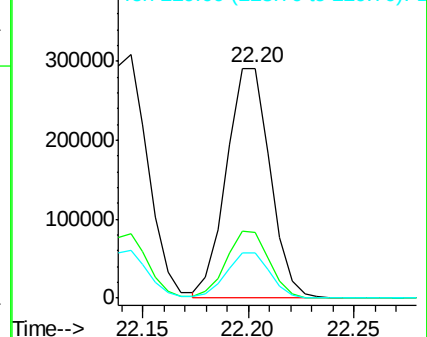
228 100

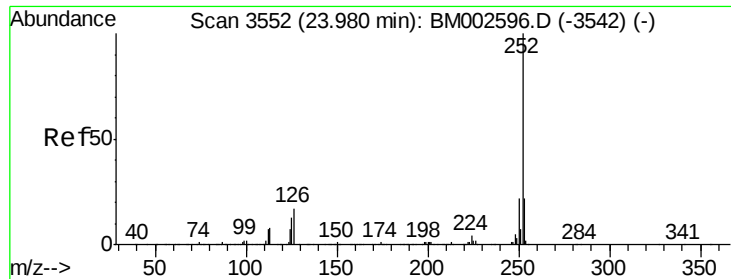
226 28.7 23.4 35.2

229 19.6 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: 18.37 ng/ul

RT: 23.97 min Scan# 3551

Delta R.T. -0.01 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

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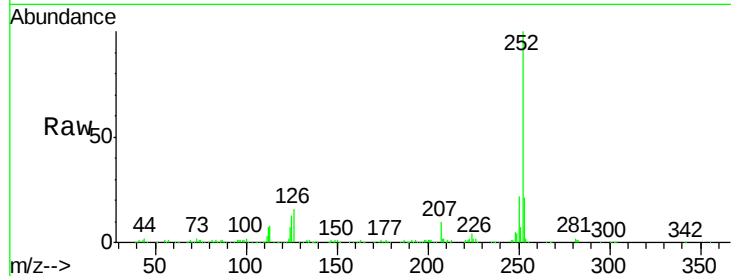
Tgt Ion:252 Resp: 431073

Ion Ratio Lower Upper

252 100

253 21.5 17.4 26.0

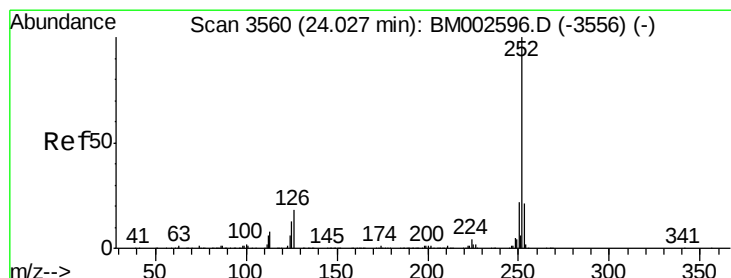
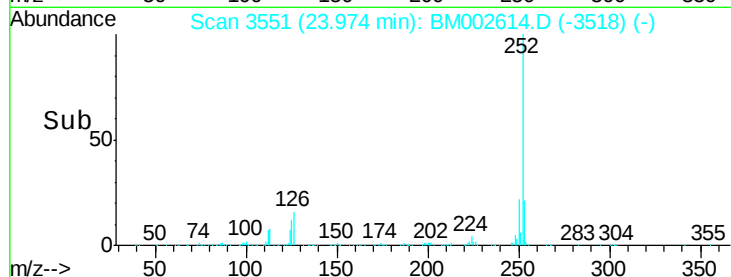
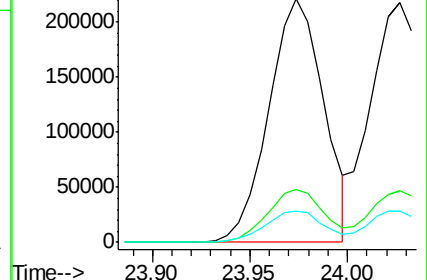
125 12.6 10.0 15.0



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



#24

Benzo(k)fluoranthene

Concen: 19.12 ng/ul

RT: 24.03 min Scan# 3560

Delta R.T. 0.00 min

Lab File: BM002614.D

Acq: 01 Sep 2015 06:21

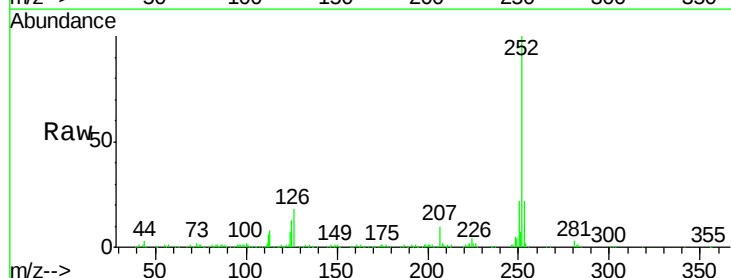
Tgt Ion:252 Resp: 425076

Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

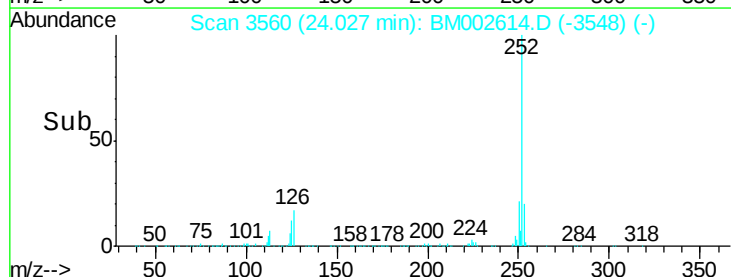
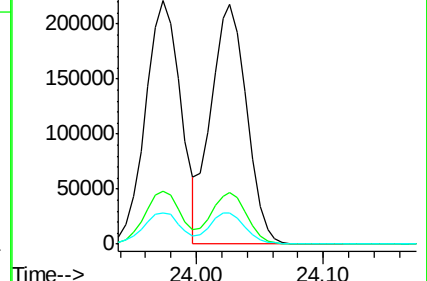
125 13.2 9.8 14.8

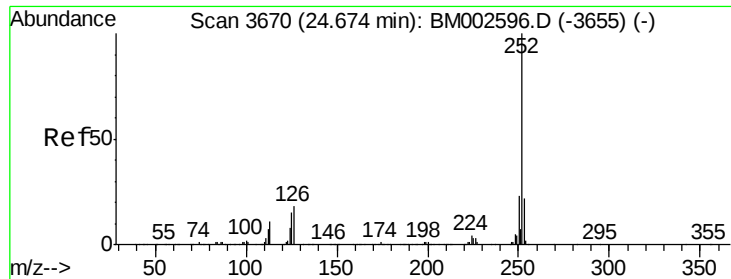


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

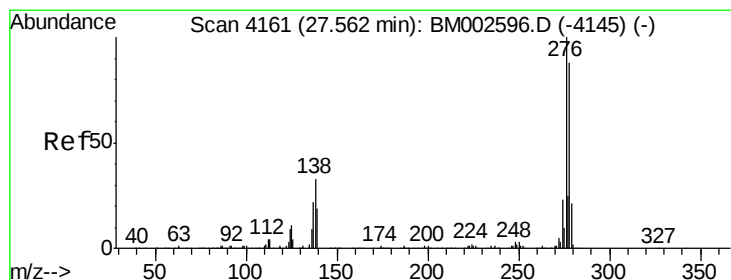
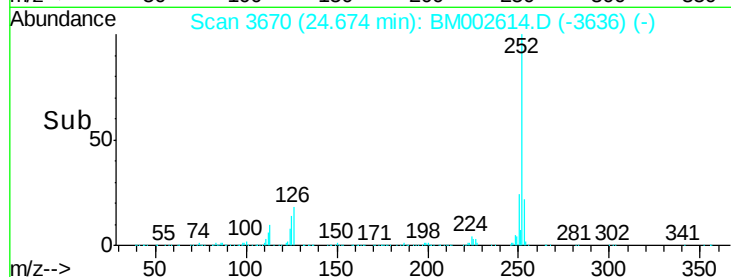
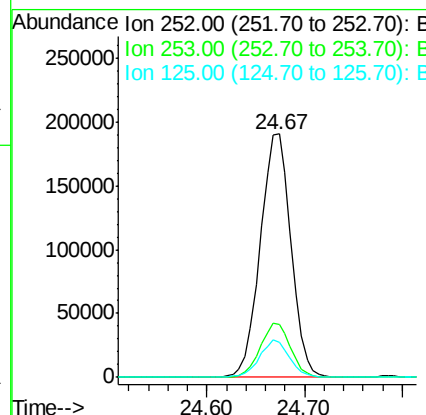
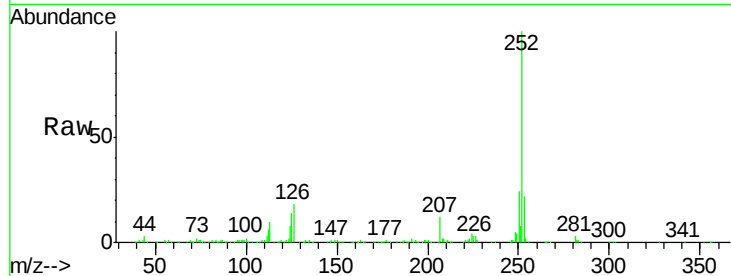




#26
Benzo(a)pyrene
Concen: 18.84 ng/u1
RT: 24.67 min Scan# 3670
Delta R.T. 0.00 min
Lab File: BM002614.D
Acq: 01 Sep 2015 06:21

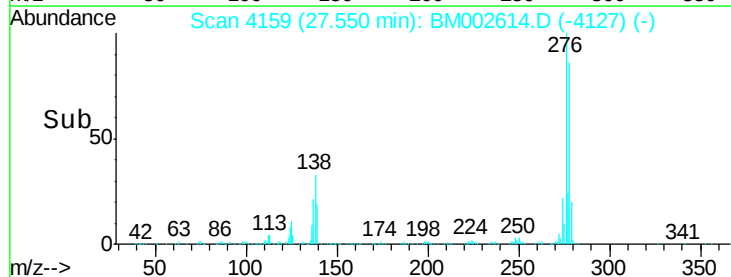
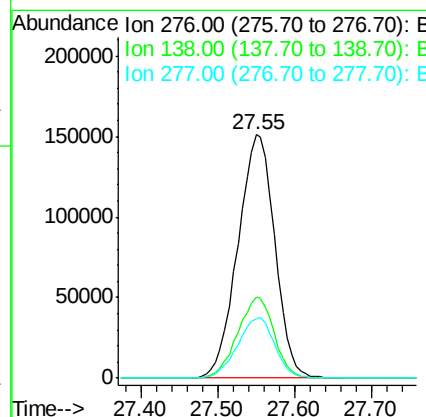
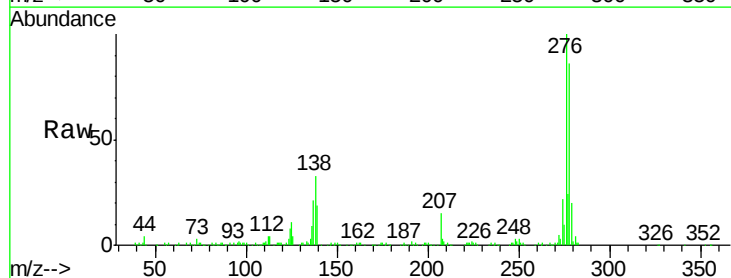
Instrument :
BNA_M
ClientSampleId :
SSTD02067

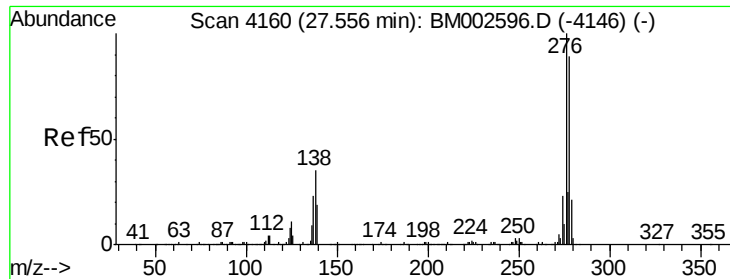
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	14.3	10.7	16.1



#27
Indeno(1,2,3-cd)pyrene
Concen: 19.68 ng/u1
RT: 27.55 min Scan# 4159
Delta R.T. -0.01 min
Lab File: BM002614.D
Acq: 01 Sep 2015 06:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	33.1	25.3	37.9
277	24.4	20.2	30.2

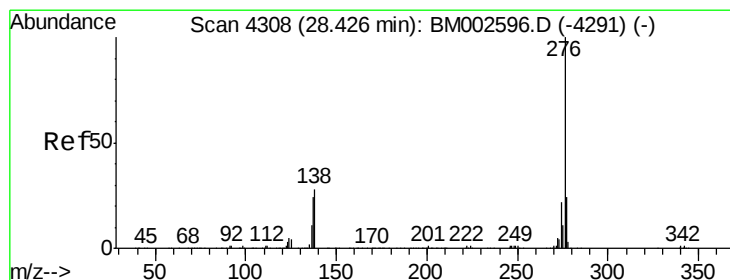
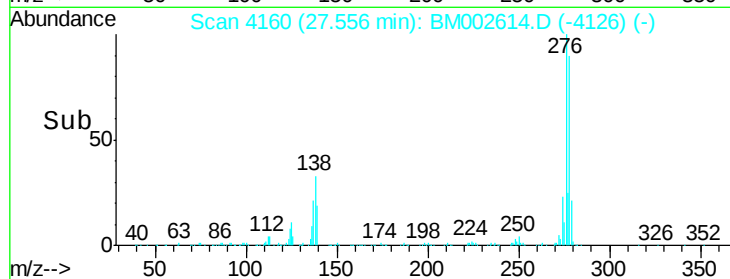
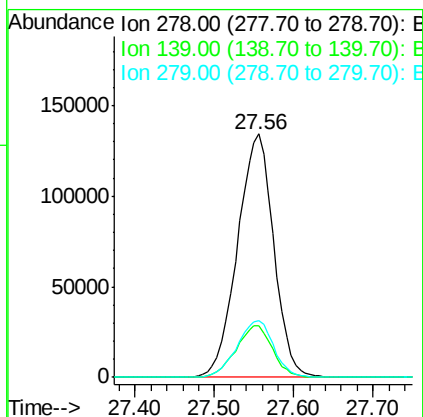
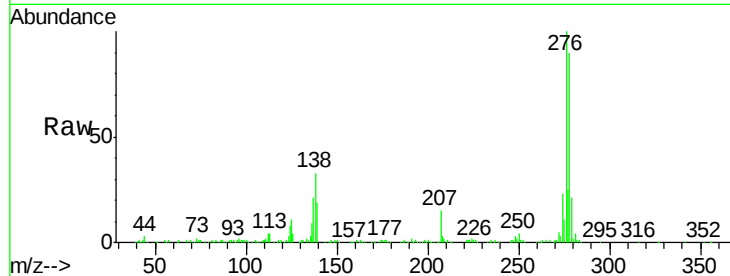




#28
Dibenzo(a,h)anthracene
Concen: 19.76 ng/ul
RT: 27.56 min Scan# 4160
Delta R.T. 0.00 min
Lab File: BM002614.D
Acq: 01 Sep 2015 06:21

Instrument :
BNA_M
ClientSampleId :
SSTD02067

Tgt Ion:278 Resp: 425678
Ion Ratio Lower Upper
278 100
139 21.2 16.5 24.7
279 23.2 18.8 28.2



#29
Benzo(g,h,i)perylene
Concen: 19.77 ng/ul
RT: 28.41 min Scan# 4306
Delta R.T. -0.01 min
Lab File: BM002614.D
Acq: 01 Sep 2015 06:21

Tgt Ion:276 Resp: 424078
Ion Ratio Lower Upper
276 100
138 28.2 21.0 31.6
277 23.8 19.2 28.8

