

Data Path : Z:\HPCHEM1\BNA_M\Data\BM082915\
 Data File : BM002560.D
 Acq On : 29 Aug 2015 12:27
 Operator : UM/IZ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02062

Quant Time: Aug 31 00:55:58 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Mon Aug 24 17:38:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.77	152	120060	20.00	ng/ul	-0.04
2) Naphthalene-d8	11.64	136	564895	20.00	ng/ul	-0.05
6) Acenaphthene-d10	15.36	164	313819	20.00	ng/ul	-0.04
12) Phenanthrene-d10	18.07	188	654127	20.00	ng/ul	-0.04
17) Chrysene-d12	22.16	240	571345	20.00	ng/ul	-0.04
22) Perylene-d12	24.77	264	453406	20.00	ng/ul	-0.07

System Monitoring Compounds						
7) Acenaphthylene-d8	15.07	160	611343	19.05	ng/ul	-0.04
10) Fluorene-d10	16.33	176	421377	18.70	ng/ul	-0.04
14) Anthracene-d10	18.17	188	601051	19.05	ng/ul	-0.04
18) Pyrene-d10	20.40	212	579985	22.90	ng/ul	-0.04
25) Benzo(a)pyrene-d12	24.60	264	448358	18.82	ng/ul	-0.07

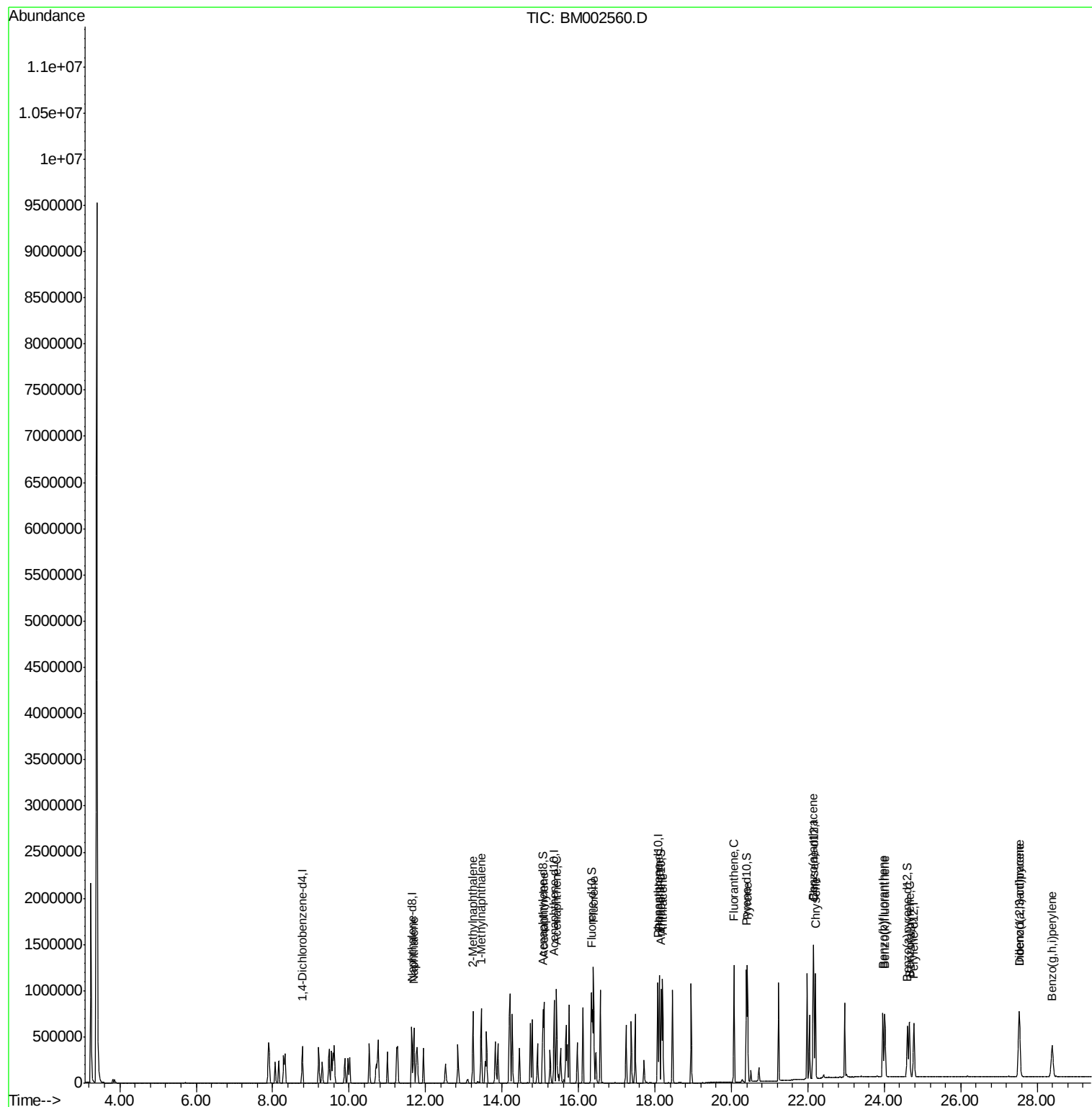
Target Compounds				Qvalue		
3) Naphthalene	11.69	128	543640	18.86	ng/ul	99
4) 2-Methylnaphthalene	13.24	142	399962	18.52	ng/ul	98
5) 1-Methylnaphthalene	13.46	142	391192	18.31	ng/ul	99
8) Acenaphthylene	15.10	152	640943	19.09	ng/ul	100
9) Acenaphthene	15.43	153	423097	19.13	ng/ul	99
11) Fluorene	16.39	166	481626	19.00	ng/ul	100
13) Phenanthrene	18.12	178	725635	19.21	ng/ul	99
15) Anthracene	18.20	178	727736	19.01	ng/ul	99
16) Fluoranthene	20.07	202	749022	17.52	ng/ul	98
19) Pyrene	20.43	202	774144	23.13	ng/ul	100
20) Benzo(a)anthracene	22.14	228	641201	18.77	ng/ul	99
21) Chrysene	22.20	228	598009	18.71	ng/ul	100
23) Benzo(b)fluoranthene	23.97	252	535380	19.53	ng/ul	99
24) Benzo(k)fluoranthene	24.01	252	513875	19.78	ng/ul	99
26) Benzo(a)pyrene	24.66	252	494907	18.90	ng/ul	98
27) Indeno(1,2,3-cd)pyrene	27.53	276	532752	17.69	ng/ul	97
28) Dibenzo(a,h)anthracene	27.53	278	448125	17.81	ng/ul	98
29) Benzo(g,h,i)perylene	28.39	276	442341	17.65	ng/ul	98

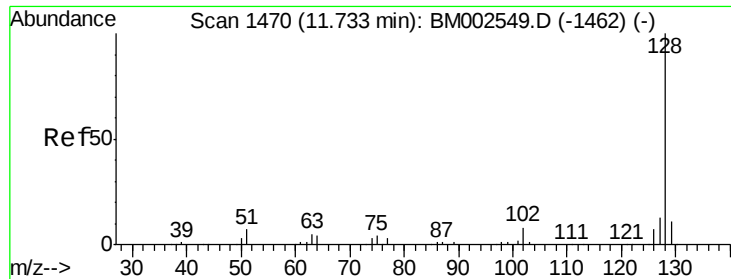
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 18.86 ng/ul

RT: 11.69 min Scan# 1463

Delta R.T. -0.04 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

Instrument :

BNA_M

ClientSampleId :

SSTD02062

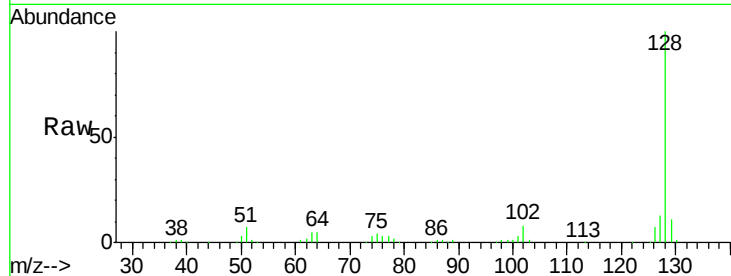
Tgt Ion:128 Resp: 543640

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

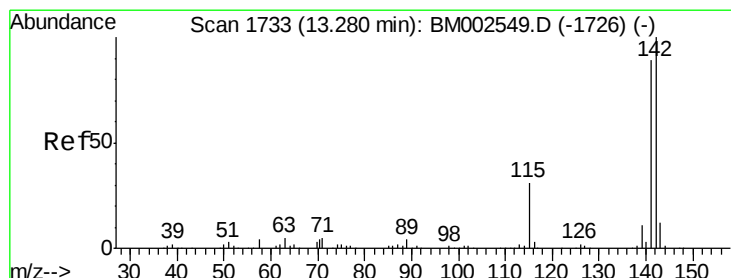
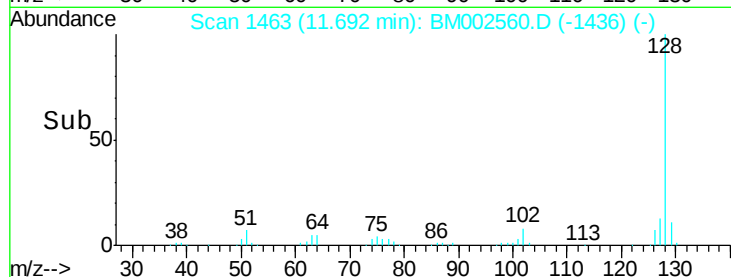
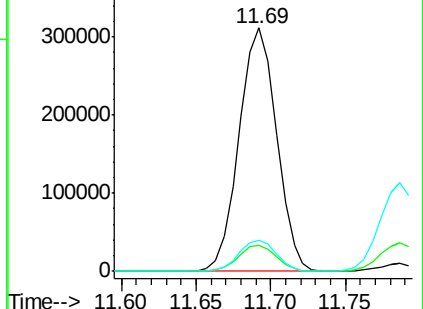
127 12.6 10.4 15.6



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: 18.52 ng/ul

RT: 13.24 min Scan# 1726

Delta R.T. -0.04 min

Lab File: BM002560.D

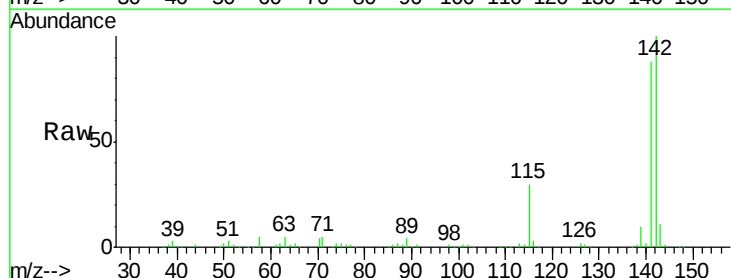
Acq: 29 Aug 2015 12:27

Tgt Ion:142 Resp: 399962

Ion Ratio Lower Upper

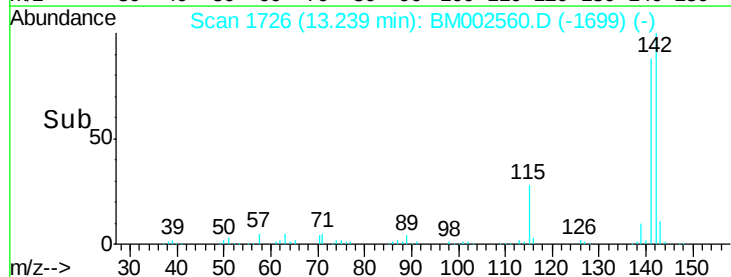
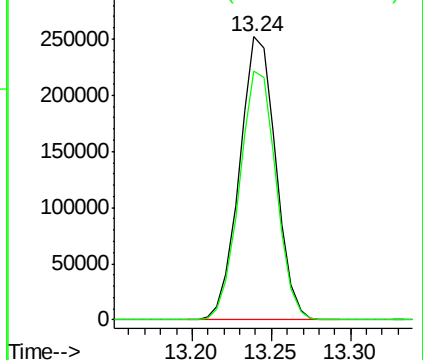
142 100

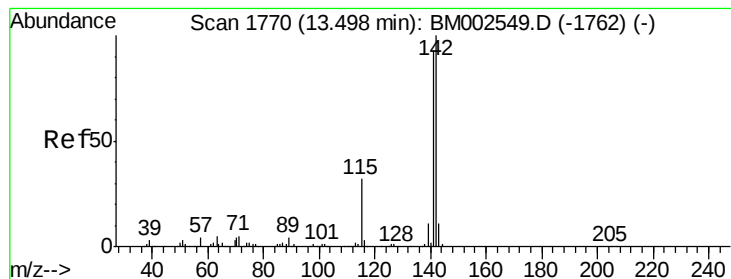
141 87.9 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 18.31 ng/ul

RT: 13.46 min Scan# 1763

Delta R.T. -0.04 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

Instrument :

BNA_M

ClientSampleId :

SSTD02062

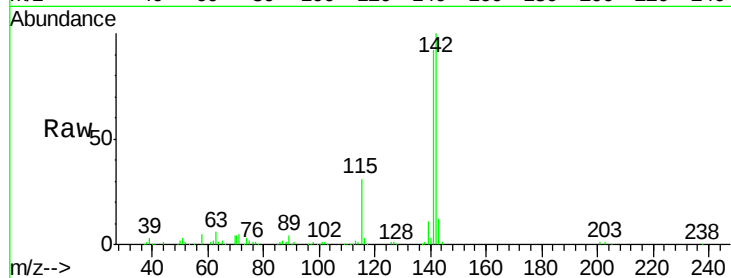
Tgt Ion:142 Resp: 391192

Ion Ratio Lower Upper

142 100

141 91.6 73.9 110.9

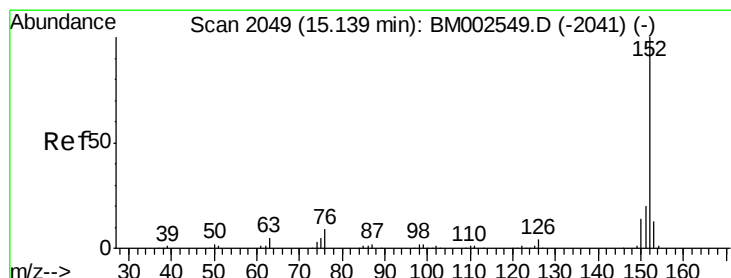
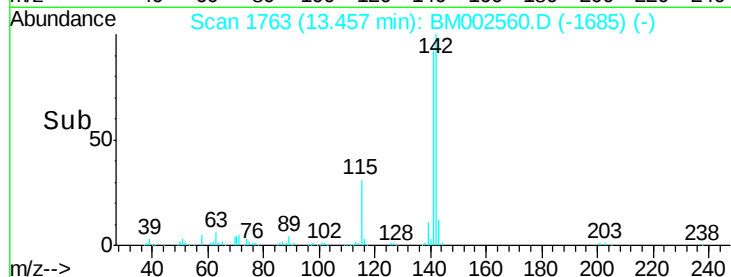
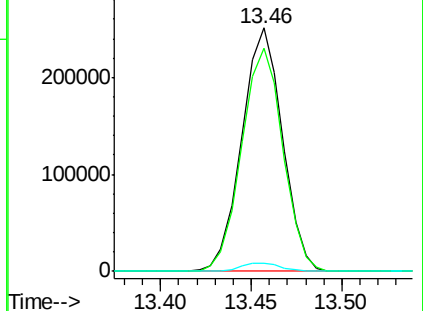
116 3.1 3.0 4.4



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: 19.09 ng/ul

RT: 15.10 min Scan# 2042

Delta R.T. -0.04 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

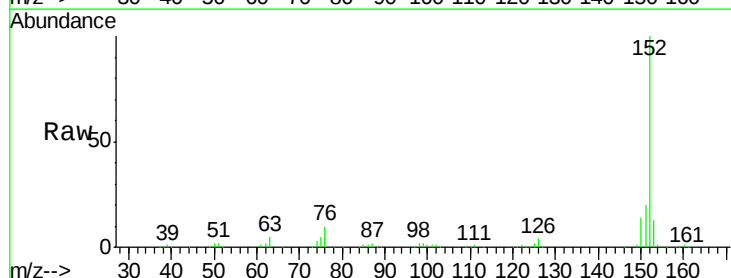
Tgt Ion:152 Resp: 640943

Ion Ratio Lower Upper

152 100

151 19.5 15.7 23.5

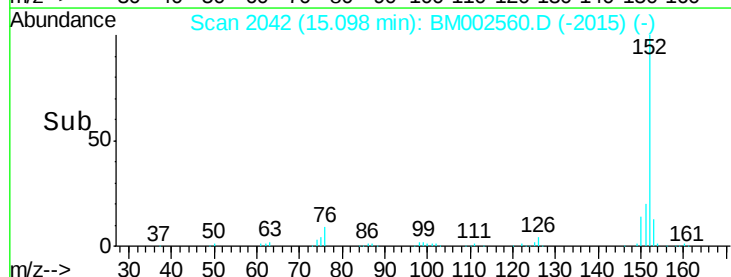
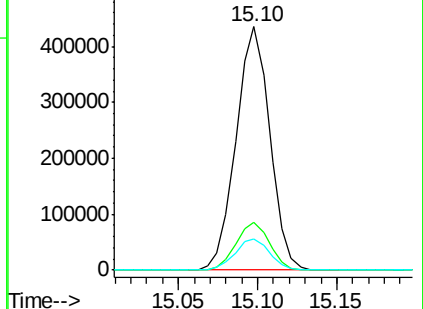
153 13.0 10.2 15.4

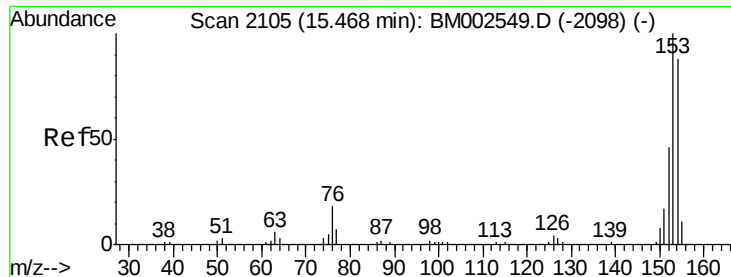


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.13 ng/ul

RT: 15.43 min Scan# 2098

Delta R.T. -0.04 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

Instrument :

BNA_M

ClientSampleId :

SSTD02062

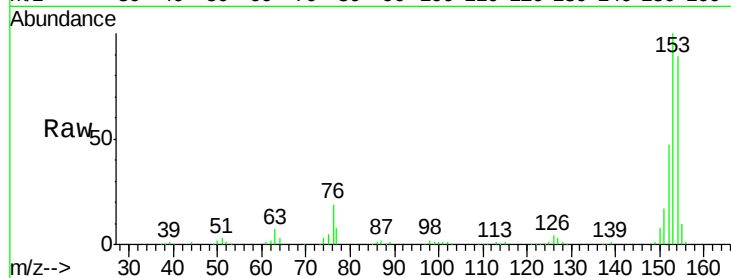
Tgt Ion:153 Resp: 423097

Ion Ratio Lower Upper

153 100

152 46.8 36.9 55.3

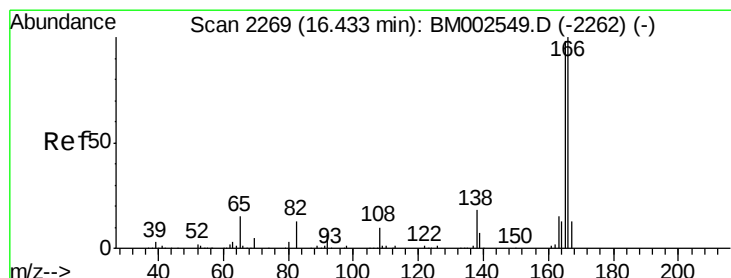
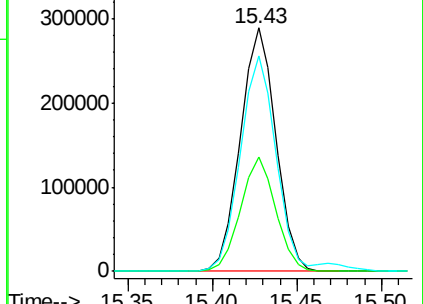
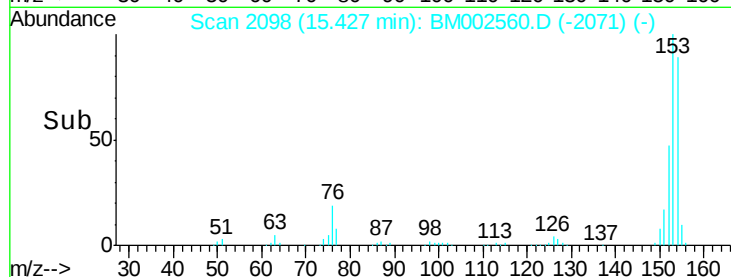
154 88.5 71.3 106.9



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: 19.00 ng/ul

RT: 16.39 min Scan# 2262

Delta R.T. -0.04 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

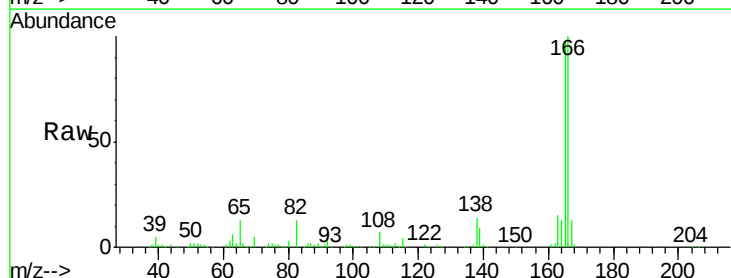
Tgt Ion:166 Resp: 481626

Ion Ratio Lower Upper

166 100

165 96.9 77.6 116.4

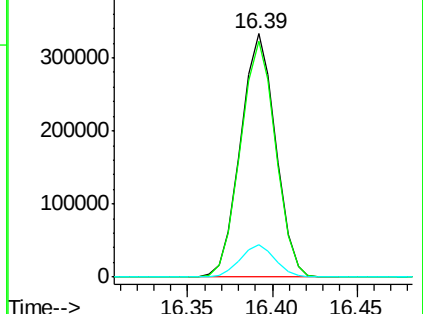
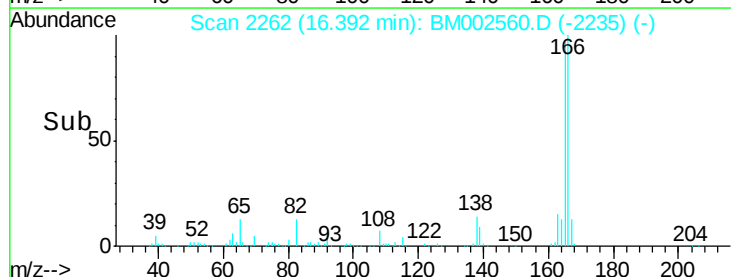
167 13.2 10.7 16.1

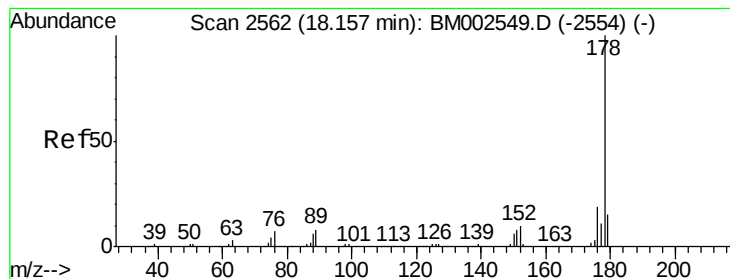


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#13

Phenanthrene

Concen: 19.21 ng/ul

RT: 18.12 min Scan# 2555

Delta R.T. -0.04 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

Instrument :

BNA_M

ClientSampleId :

SSTD02062

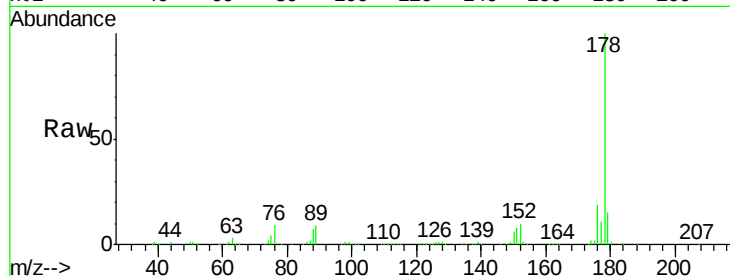
Tgt Ion:178 Resp: 725635

Ion Ratio Lower Upper

178 100

179 15.2 12.4 18.6

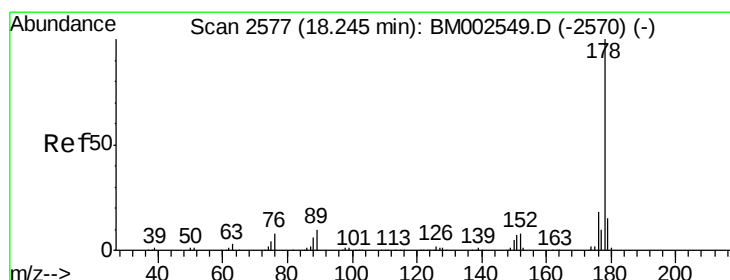
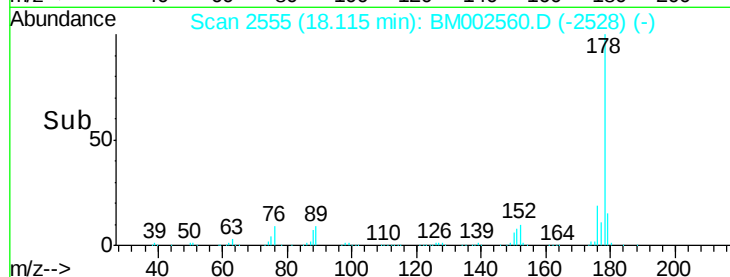
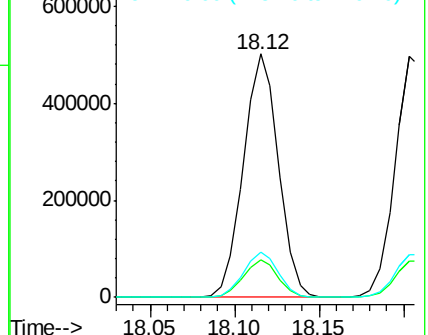
176 18.6 15.1 22.7



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: 19.01 ng/ul

RT: 18.20 min Scan# 2570

Delta R.T. -0.04 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

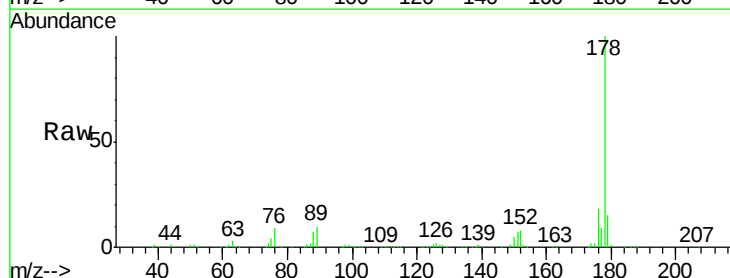
Tgt Ion:178 Resp: 727736

Ion Ratio Lower Upper

178 100

179 15.2 12.6 18.8

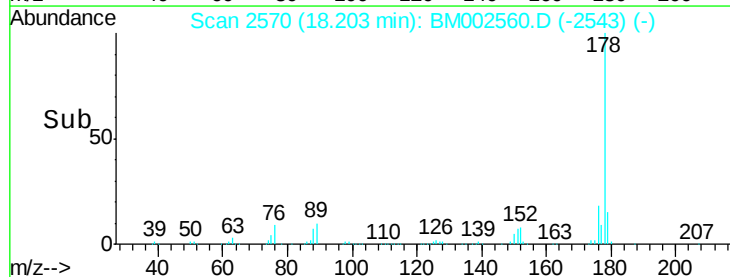
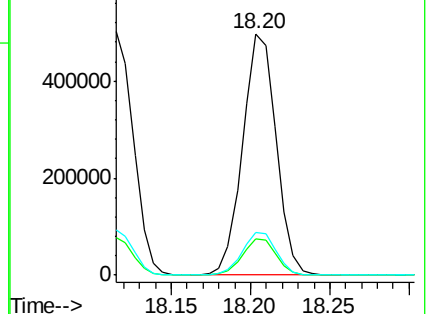
176 17.7 14.5 21.7

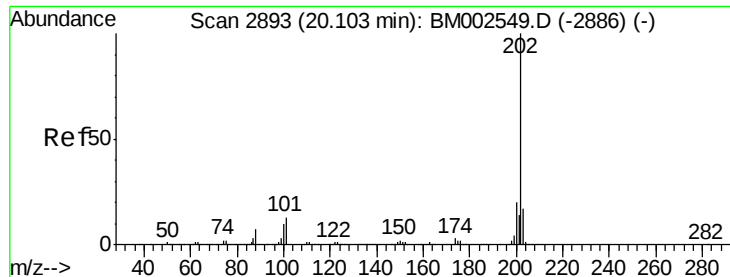


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 176.00 (175.70 to 176.70): E





#16

Fluoranthene

Concen: 17.52 ng/ul

RT: 20.07 min Scan# 2887

Delta R.T. -0.04 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

Instrument :

BNA_M

ClientSampleId :

SSTD02062

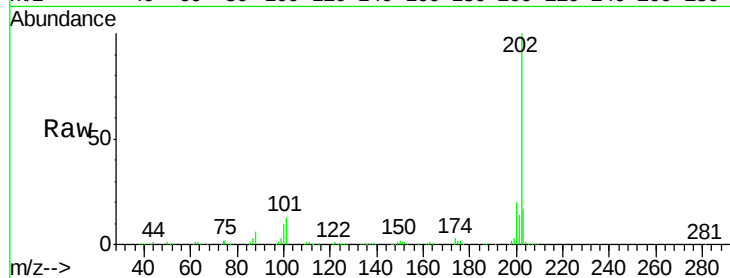
Tgt Ion:202 Resp: 749022

Ion Ratio Lower Upper

202 100

101 12.9 9.7 14.5

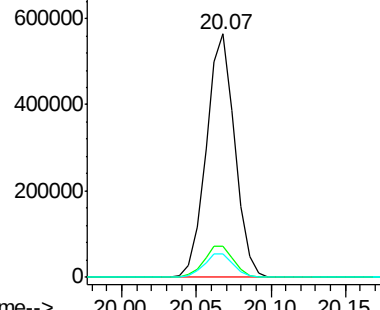
100 9.8 7.4 11.2



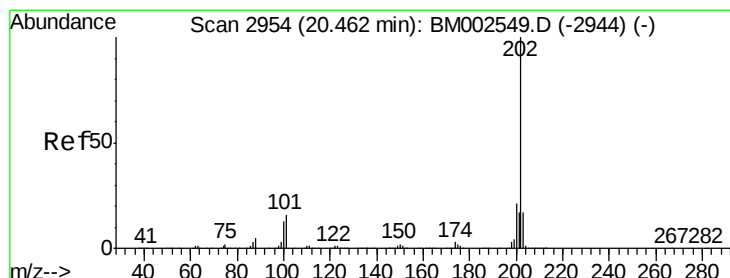
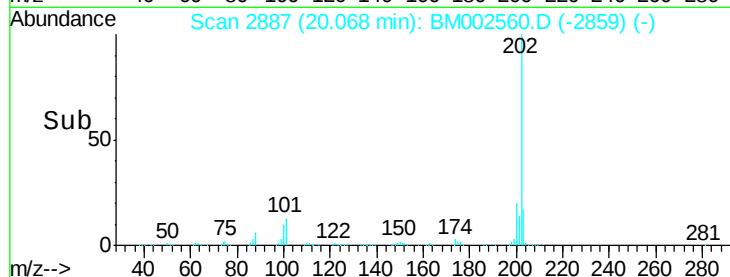
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->



#19

Pyrene

Concen: 23.13 ng/ul

RT: 20.43 min Scan# 2948

Delta R.T. -0.04 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

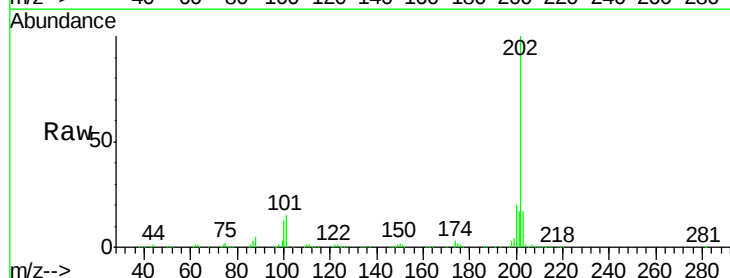
Tgt Ion:202 Resp: 774144

Ion Ratio Lower Upper

202 100

101 15.0 12.0 18.0

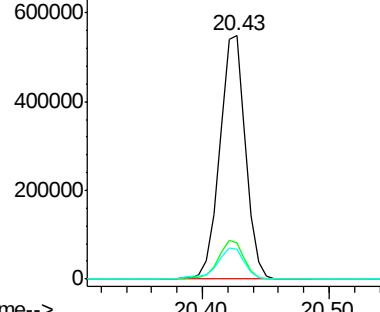
100 12.5 9.7 14.5



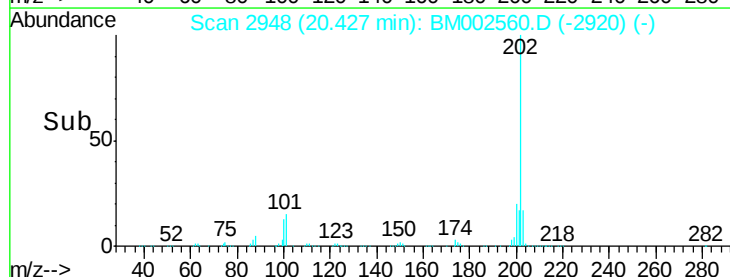
Abundance Ion 202.00 (201.70 to 202.70): E

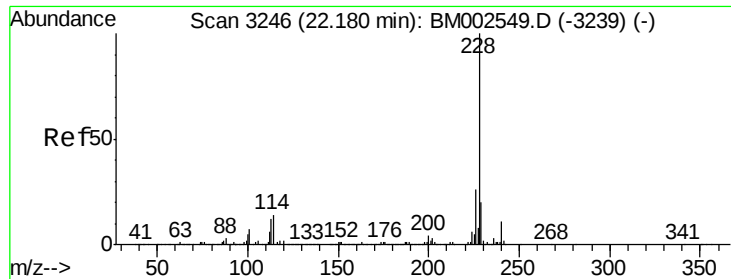
Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B



Time-->





#20

Benzo(a)anthracene

Concen: 18.77 ng/ul

RT: 22.14 min Scan# 3239

Delta R.T. -0.04 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

Instrument :

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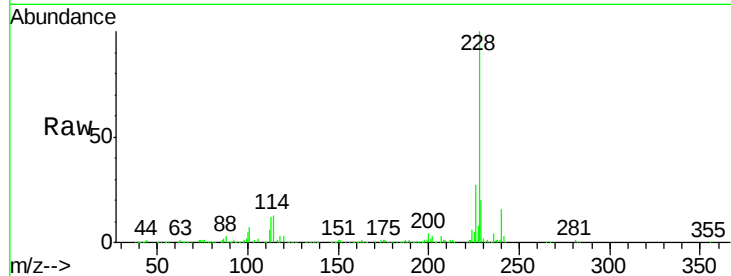
Tgt Ion:228 Resp: 641201

Ion Ratio Lower Upper

228 100

229 20.0 15.8 23.6

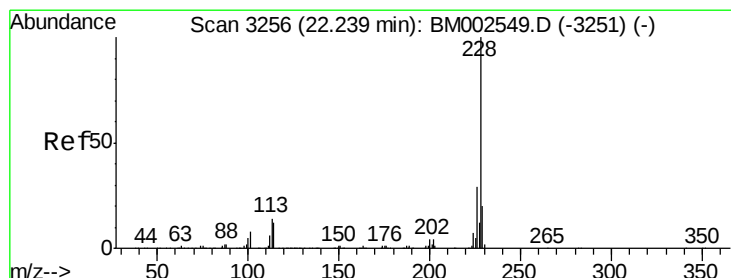
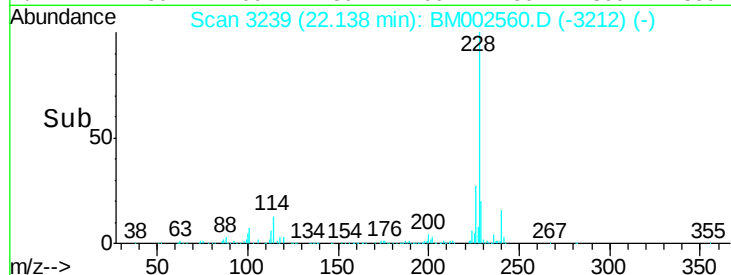
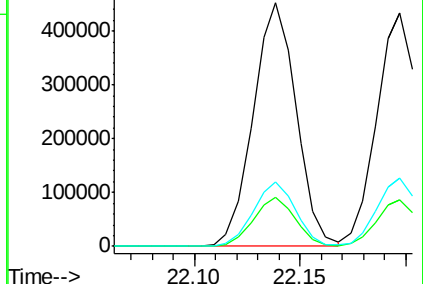
226 26.6 21.1 31.7



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: 18.71 ng/ul

RT: 22.20 min Scan# 3249

Delta R.T. -0.04 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

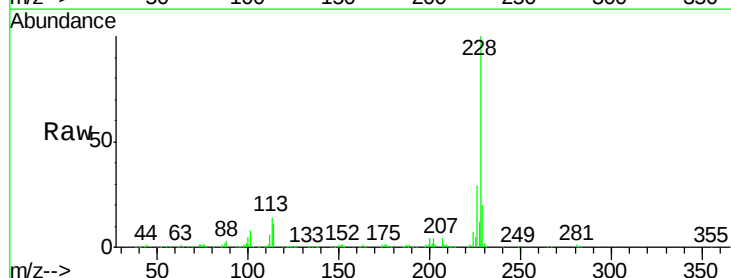
Tgt Ion:228 Resp: 598009

Ion Ratio Lower Upper

228 100

226 28.9 23.4 35.2

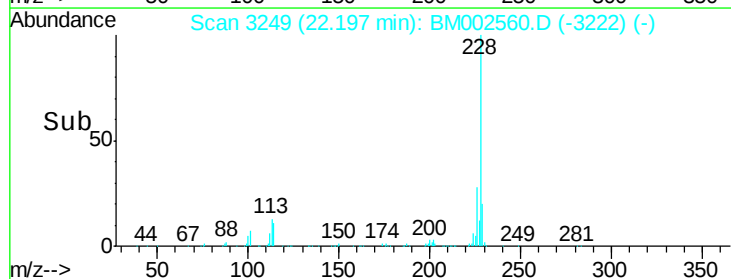
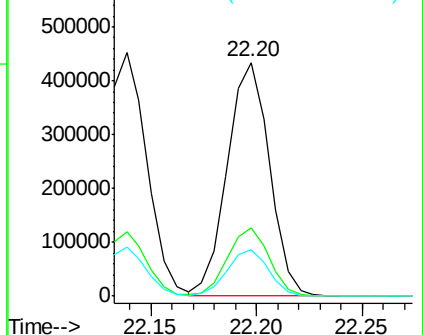
229 19.7 15.7 23.5

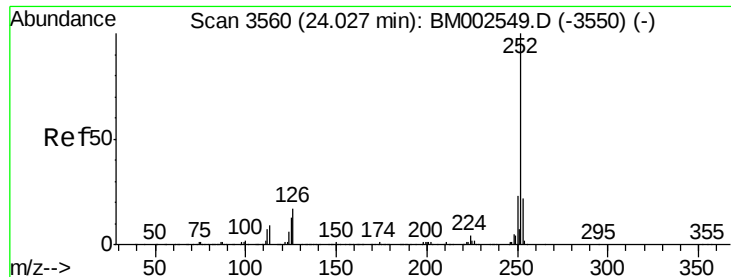


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 19.53 ng/ul

RT: 23.97 min Scan# 3550

Delta R.T. -0.06 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

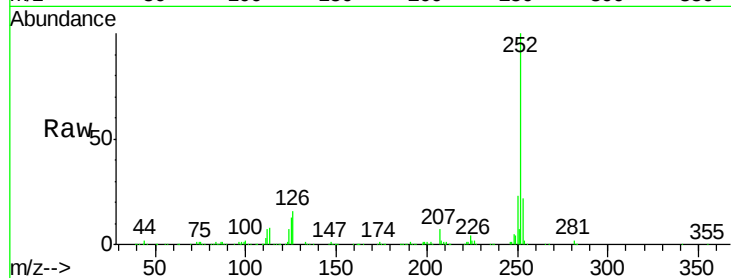
Instrument :

BNA_M

ClientSampleId :

SSTD02062

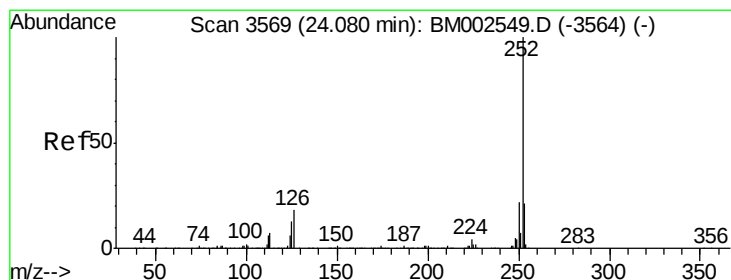
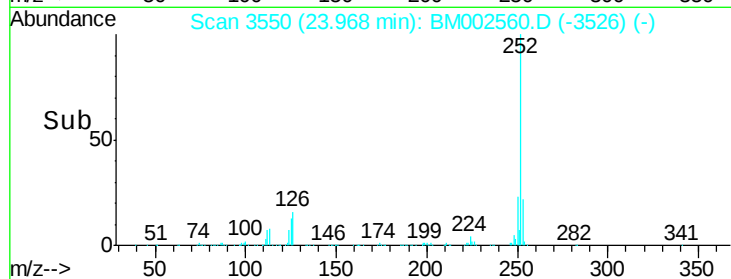
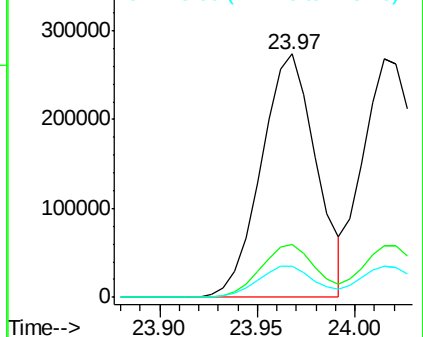
Tgt Ion:	252	Resp:	535380
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.0
125	12.9	10.0	15.0



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: 19.78 ng/ul

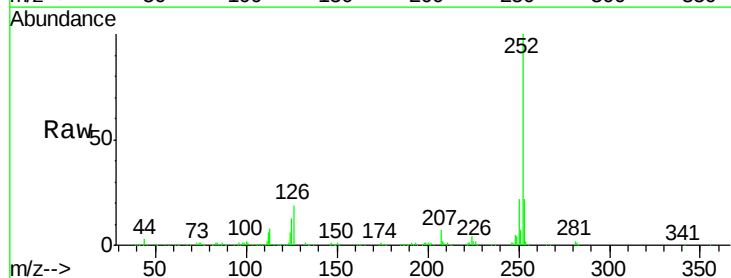
RT: 24.01 min Scan# 3558

Delta R.T. -0.06 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

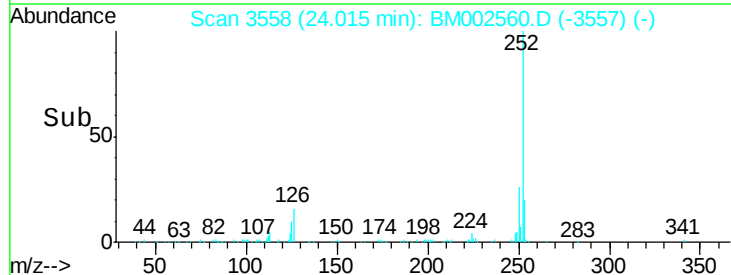
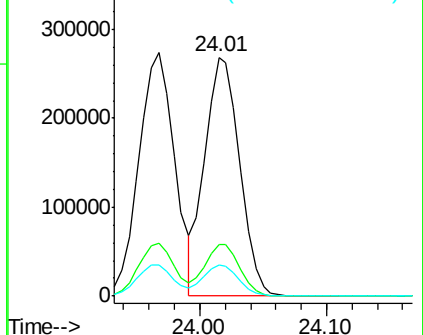
Tgt Ion:	252	Resp:	513875
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	13.2	9.8	14.8

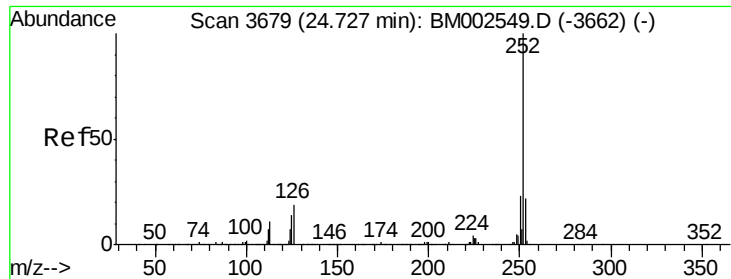


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 18.90 ng/ul

RT: 24.66 min Scan# 3668

Delta R.T. -0.06 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

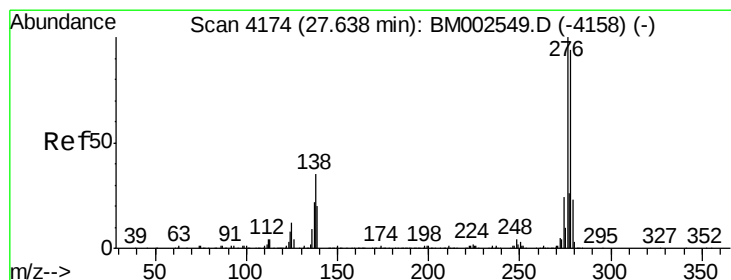
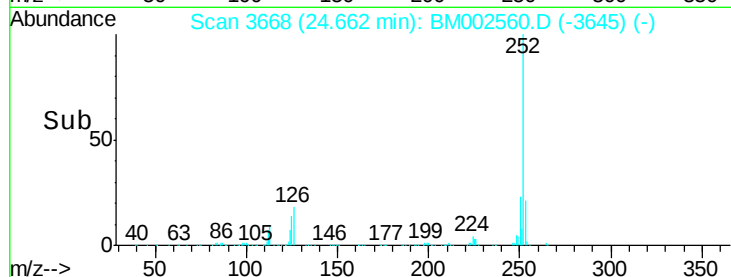
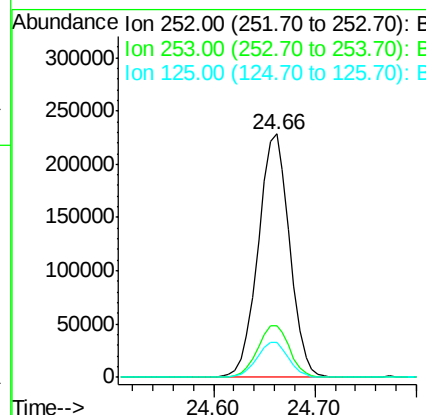
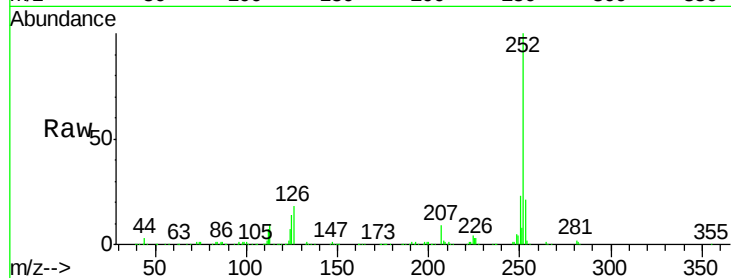
Instrument :

BNA_M

ClientSampleId :

SSTD02062

Tgt Ion:	252	Resp:	494907
Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	14.5	10.7	16.1



#27

Indeno(1,2,3-cd)pyrene

Concen: 17.69 ng/ul

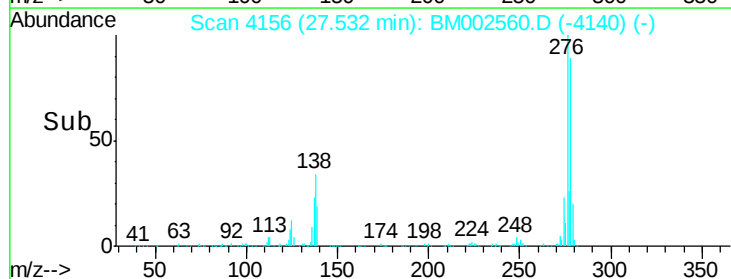
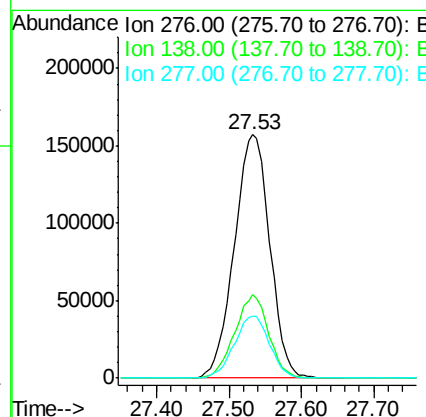
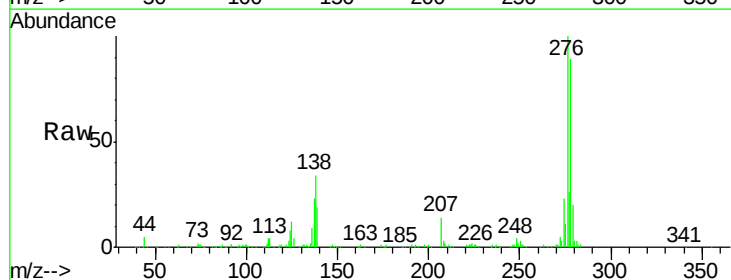
RT: 27.53 min Scan# 4156

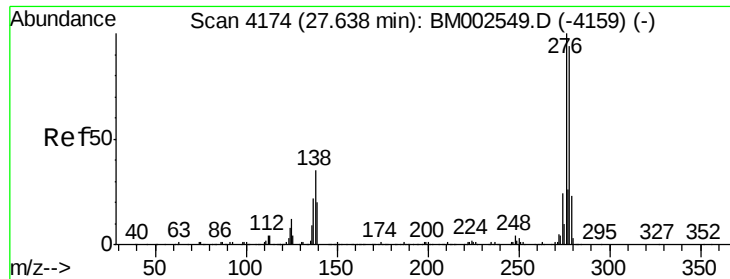
Delta R.T. -0.11 min

Lab File: BM002560.D

Acq: 29 Aug 2015 12:27

Tgt Ion:	276	Resp:	532752
Ion	Ratio	Lower	Upper
276	100		
138	34.4	25.3	37.9
277	25.7	20.2	30.2

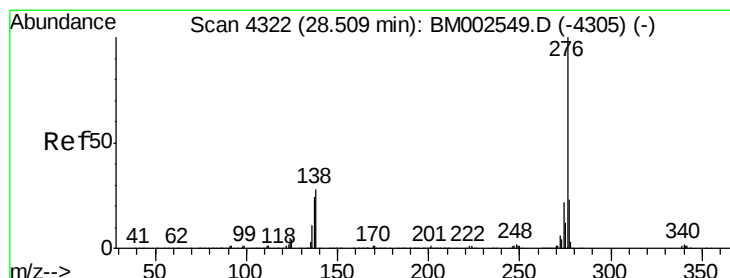
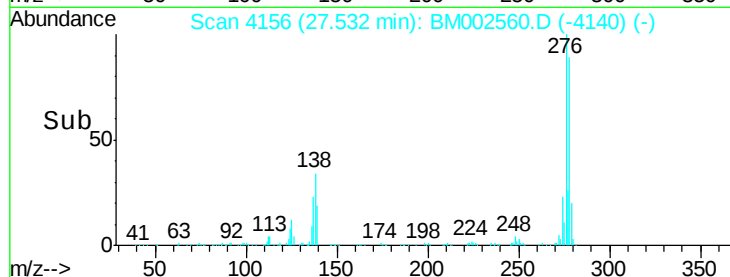
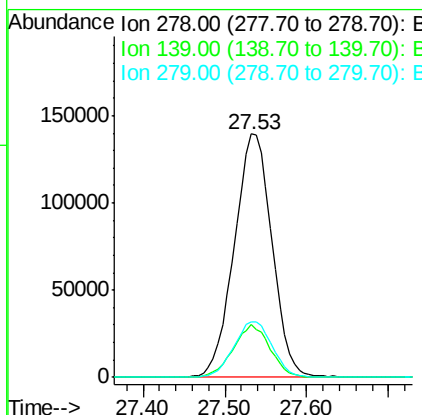
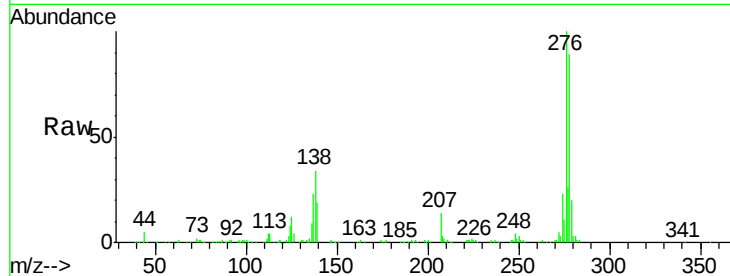




#28
Dibenzo(a,h)anthracene
Concen: 17.81 ng/ul
RT: 27.53 min Scan# 4156
Delta R.T. -0.11 min
Lab File: BM002560.D
Acq: 29 Aug 2015 12:27

Instrument :
BNA_M
ClientSampleId :
SSTD02062

Tgt Ion	Ratio	Lower	Upper
278	100		
139	21.5	16.5	24.7
279	22.8	18.8	28.2



#29
Benzo(g,h,i)perylene
Concen: 17.65 ng/ul
RT: 28.39 min Scan# 4302
Delta R.T. -0.12 min
Lab File: BM002560.D
Acq: 29 Aug 2015 12:27

Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.1	21.0	31.6
277	23.6	19.2	28.8

