

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082415\
 Data File : BM002549.D
 Acq On : 24 Aug 2015 09:32
 Operator : UM/IZ
 Sample : SSTDCCC020
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD02054

Quant Time: Aug 24 17:38:37 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-BM081415MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Aug 21 23:16:58 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.82	152	138598	20.00	ng/ul	0.00
2) Naphthalene-d8	11.69	136	665394	20.00	ng/ul	0.00
6) Acenaphthene-d10	15.40	164	370372	20.00	ng/ul	0.00
12) Phenanthrene-d10	18.12	188	807582	20.00	ng/ul	0.00
17) Chrysene-d12	22.20	240	828834	20.00	ng/ul	0.00
22) Perylene-d12	24.84	264	681501	20.00	ng/ul	0.00

System Monitoring Compounds						
7) Acenaphthylene-d8	15.11	160	755202	19.94	ng/ul	0.00
10) Fluorene-d10	16.37	176	520155	19.56	ng/ul	0.00
14) Anthracene-d10	18.21	188	777431	19.96	ng/ul	0.00
18) Pyrene-d10	20.43	212	811376	22.08	ng/ul	0.00
25) Benzo(a)pyrene-d12	24.67	264	718099	20.06	ng/ul	0.00

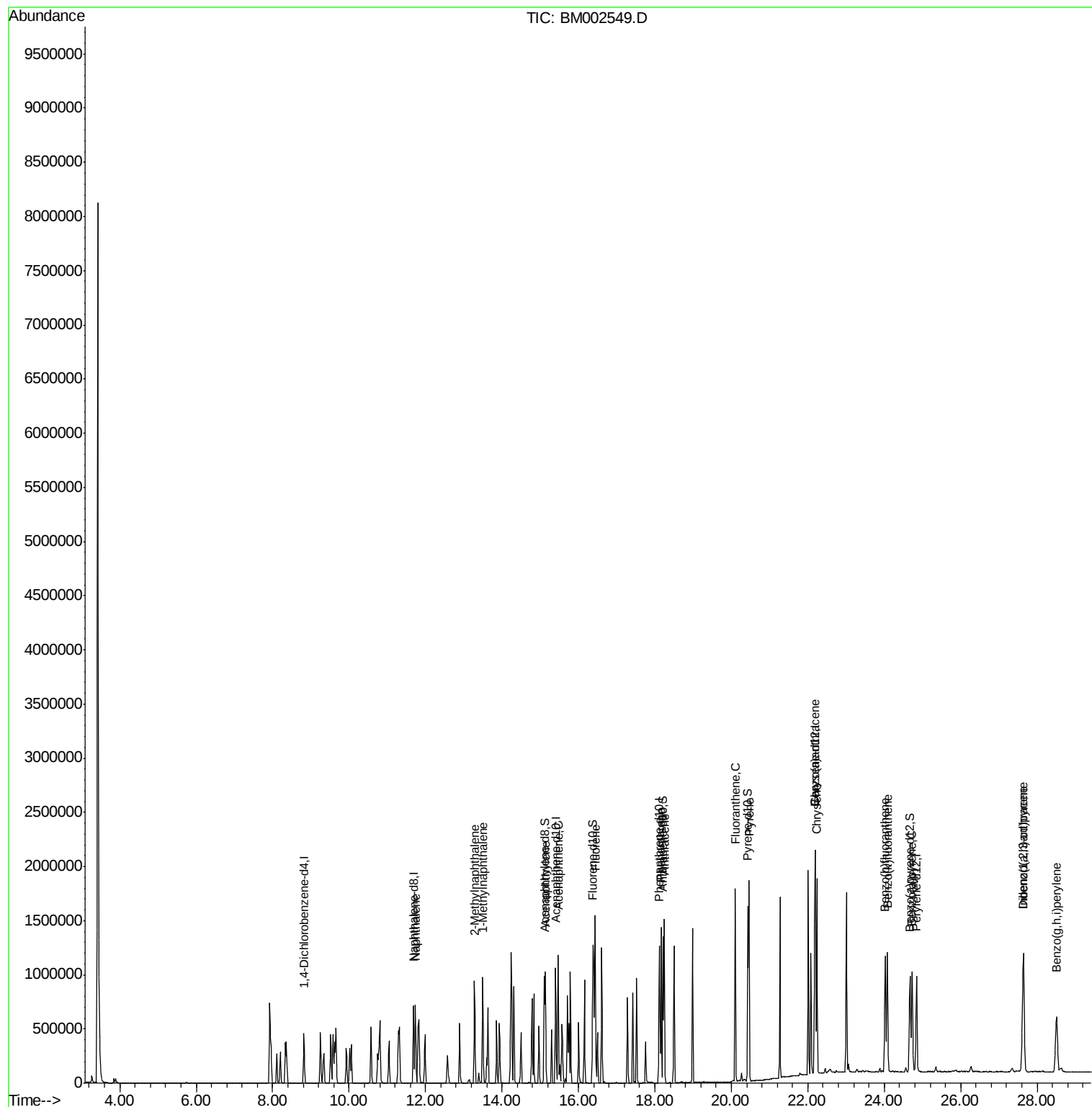
Target Compounds				Qvalue		
3) Naphthalene	11.73	128	670626	19.75	ng/ul	99
4) 2-Methylnaphthalene	13.28	142	487566	19.16	ng/ul	98
5) 1-Methylnaphthalene	13.50	142	481828	19.15	ng/ul	99
8) Acenaphthylene	15.14	152	791671	19.97	ng/ul	100
9) Acenaphthene	15.47	153	516996	19.80	ng/ul	99
11) Fluorene	16.43	166	591204	19.76	ng/ul	99
13) Phenanthrene	18.16	178	929039	19.92	ng/ul	99
15) Anthracene	18.24	178	946441	20.03	ng/ul	99
16) Fluoranthene	20.10	202	1038187	19.66	ng/ul	98
19) Pyrene	20.46	202	1075952	22.16	ng/ul	98
20) Benzo(a)anthracene	22.18	228	977777	19.73	ng/ul	100
21) Chrysene	22.24	228	923915	19.93	ng/ul	100
23) Benzo(b)fluoranthene	24.03	252	856600	20.79	ng/ul	99
24) Benzo(k)fluoranthene	24.08	252	827074	21.18	ng/ul	98
26) Benzo(a)pyrene	24.73	252	788751	20.04	ng/ul	99
27) Indeno(1,2,3-cd)pyrene	27.64	276	814157	17.99	ng/ul	96
28) Dibenzo(a,h)anthracene	27.64	278	697333	18.43	ng/ul	98
29) Benzo(g,h,i)perylene	28.51	276	674598	17.91	ng/ul	98

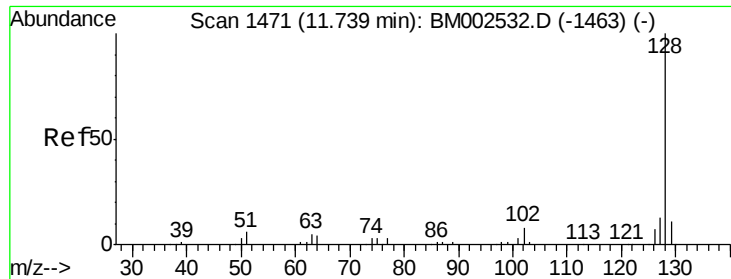
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 19.75 ng/ul

RT: 11.73 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

Instrument :

BNA_M

ClientSampleId :

SSTD02054

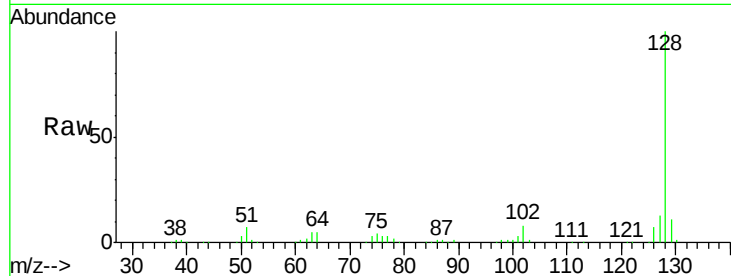
Tgt Ion:128 Resp: 670626

Ion Ratio Lower Upper

128 100

129 11.0 8.6 12.8

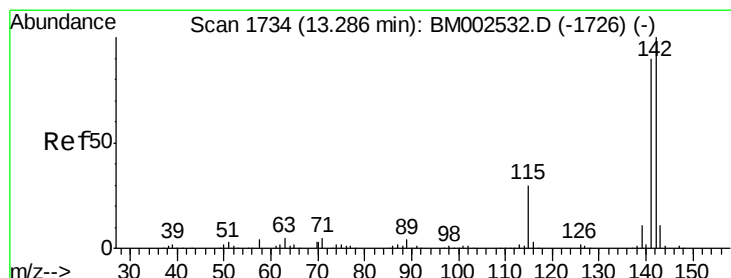
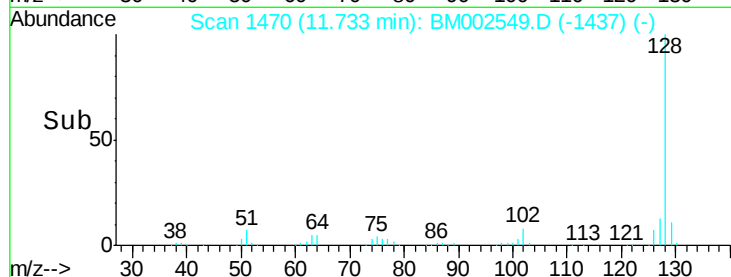
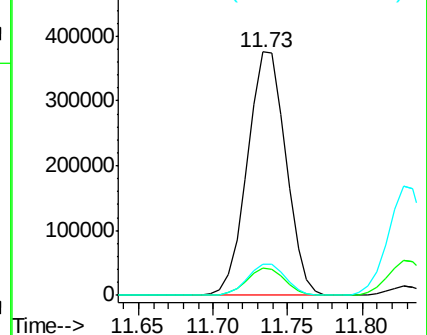
127 12.9 10.4 15.6



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: 19.16 ng/ul

RT: 13.28 min Scan# 1733

Delta R.T. -0.01 min

Lab File: BM002549.D

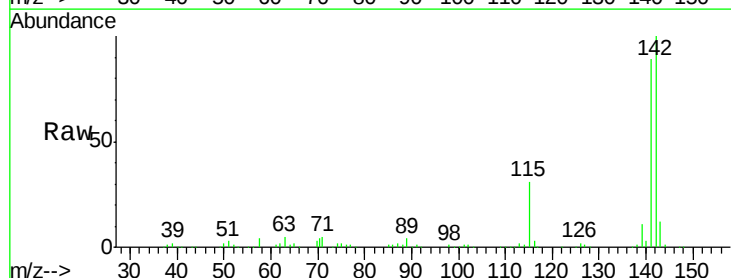
Acq: 24 Aug 2015 09:32

Tgt Ion:142 Resp: 487566

Ion Ratio Lower Upper

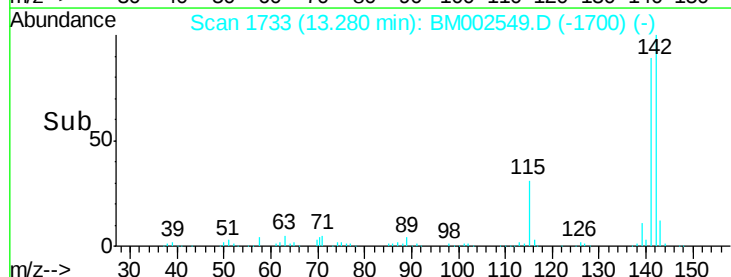
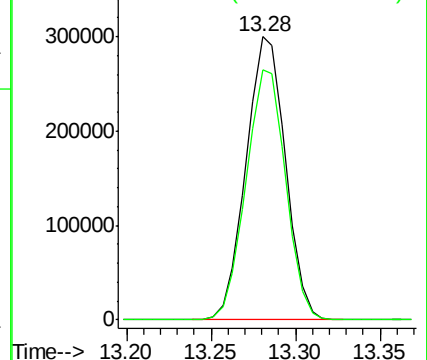
142 100

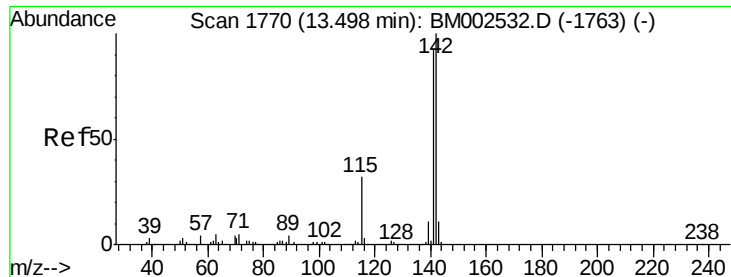
141 88.5 72.2 108.2



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#5

1-Methylnaphthalene

Concen: 19.15 ng/ul

RT: 13.50 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

Instrument :

BNA_M

ClientSampleId :

SSTD02054

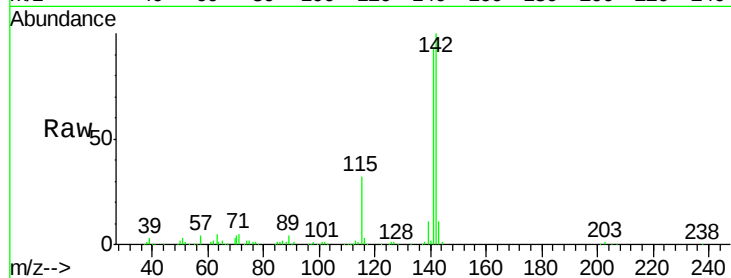
Tgt Ion:142 Resp: 481828

Ion Ratio Lower Upper

142 100

141 93.0 73.9 110.9

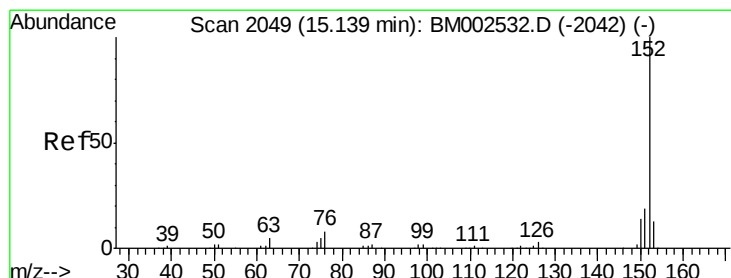
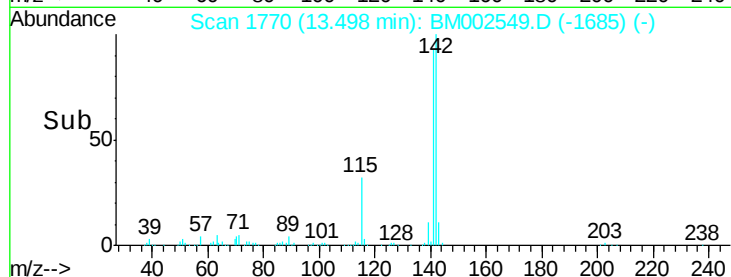
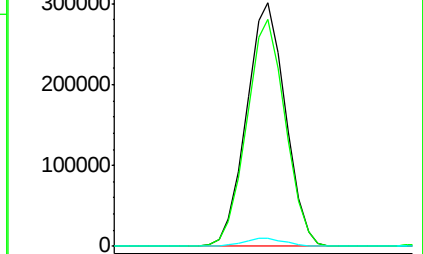
116 3.1 3.0 4.4



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: 19.97 ng/ul

RT: 15.14 min Scan# 2049

Delta R.T. -0.00 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

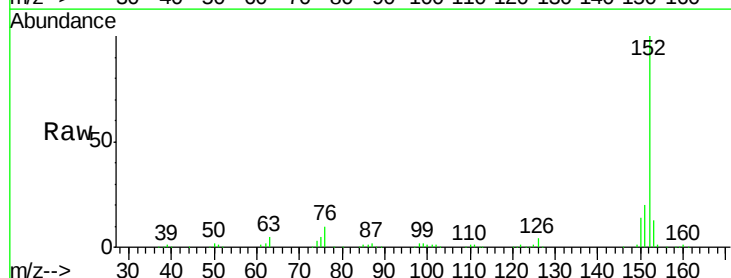
Tgt Ion:152 Resp: 791671

Ion Ratio Lower Upper

152 100

151 19.8 15.7 23.5

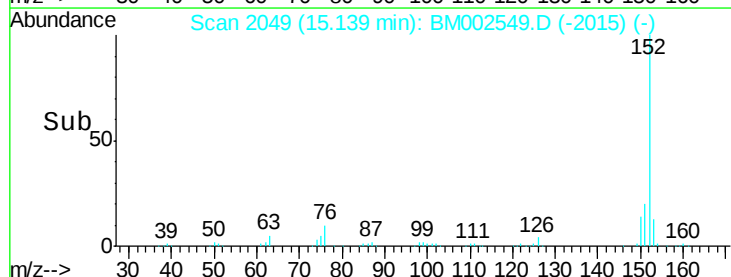
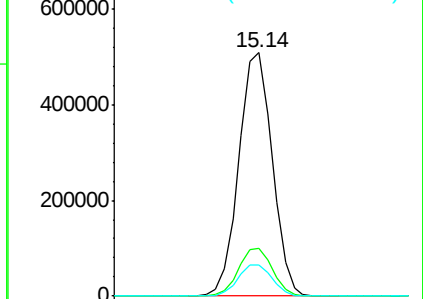
153 12.9 10.2 15.4

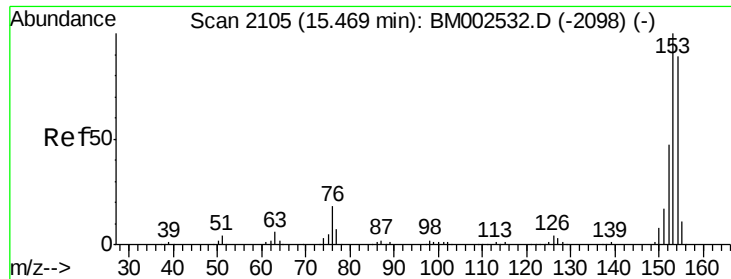


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#9

Acenaphthene

Concen: 19.80 ng/ul

RT: 15.47 min Scan# 2105

Delta R.T. -0.00 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

Instrument :

BNA_M

ClientSampleId :

SSTD02054

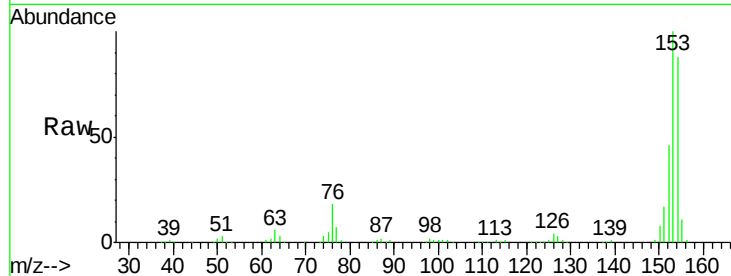
Tgt Ion:153 Resp: 516996

Ion Ratio Lower Upper

153 100

152 46.1 36.9 55.3

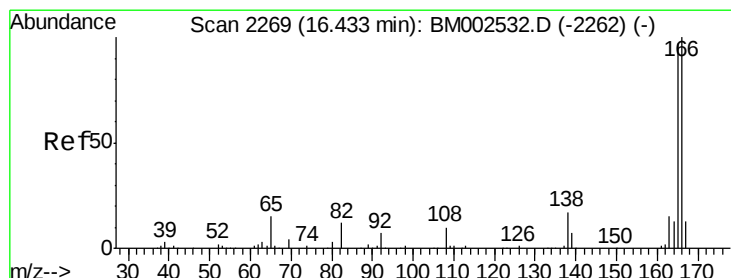
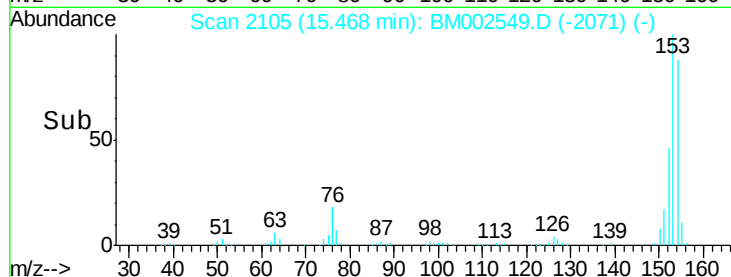
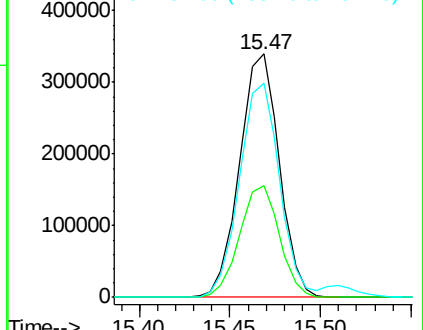
154 88.2 71.3 106.9



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: 19.76 ng/ul

RT: 16.43 min Scan# 2269

Delta R.T. -0.00 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

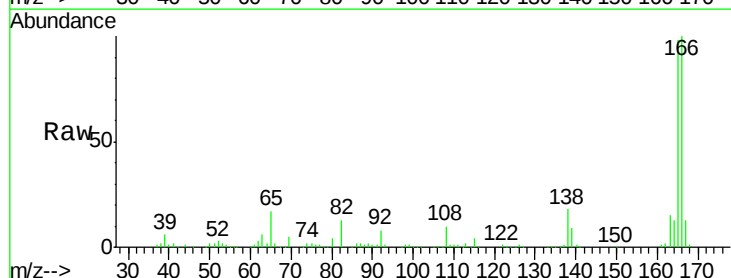
Tgt Ion:166 Resp: 591204

Ion Ratio Lower Upper

166 100

165 97.5 77.6 116.4

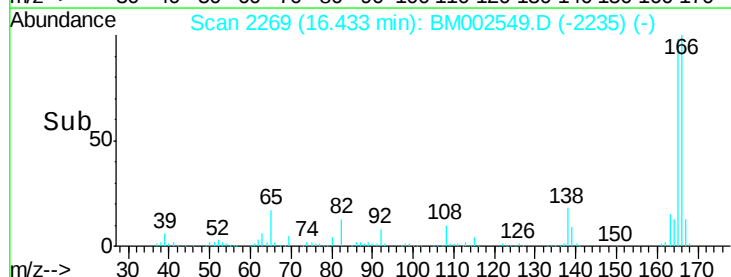
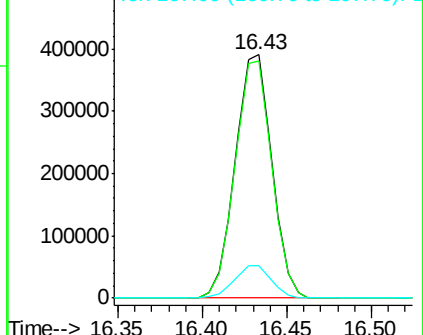
167 13.2 10.7 16.1

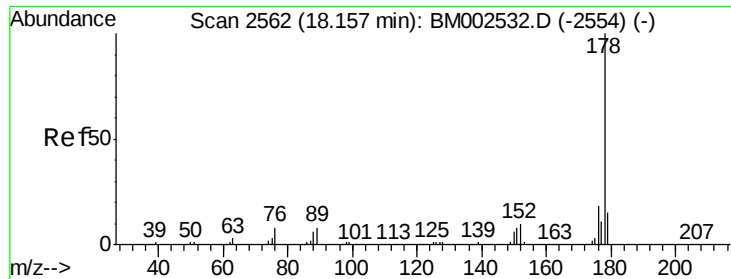


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

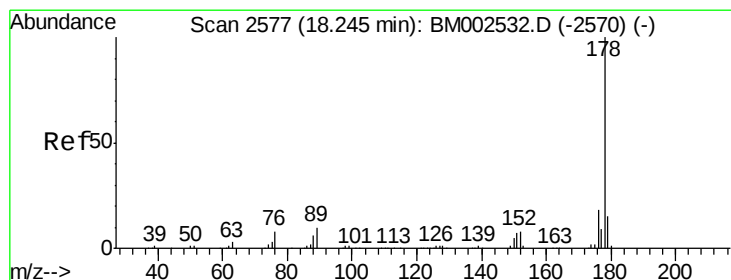
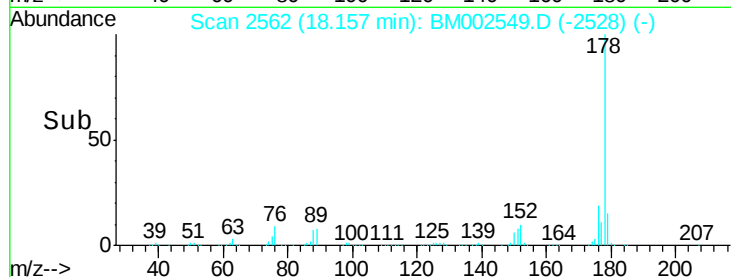
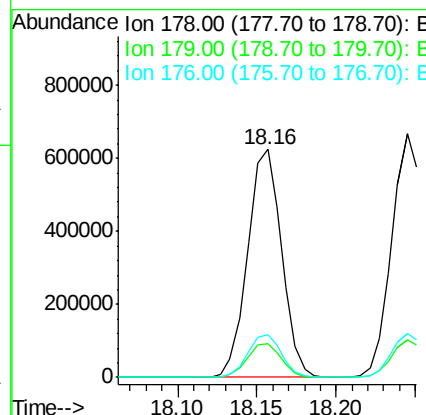
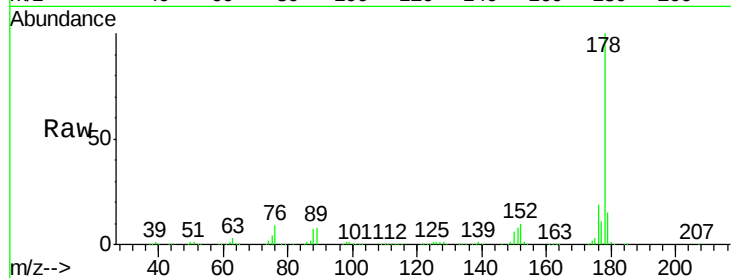




#13
 Phenanthrene
 Concen: 19.92 ng/ul
 RT: 18.16 min Scan# 2562
 Delta R.T. -0.00 min
 Lab File: BM002549.D
 Acq: 24 Aug 2015 09:32

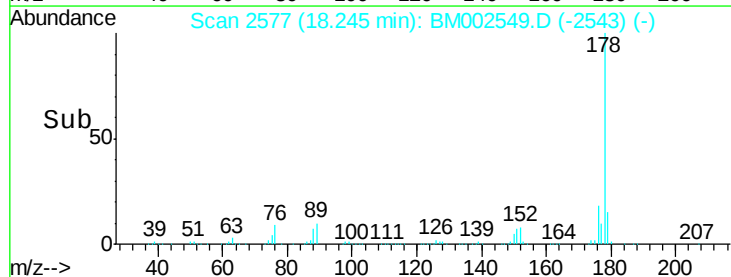
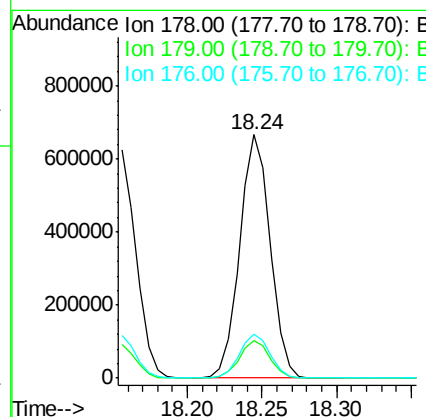
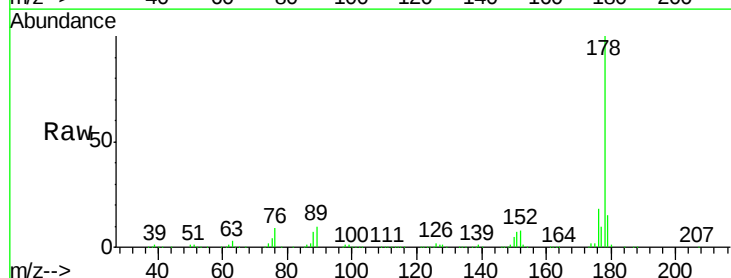
Instrument :
 BNA_M
 ClientSampleId :
 SSTD02054

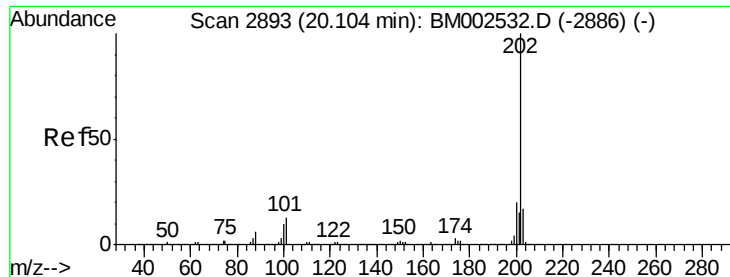
Tgt Ion:178 Resp: 929039
 Ion Ratio Lower Upper
 178 100
 179 15.1 12.4 18.6
 176 18.7 15.1 22.7



#15
 Anthracene
 Concen: 20.03 ng/ul
 RT: 18.24 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: BM002549.D
 Acq: 24 Aug 2015 09:32

Tgt Ion:178 Resp: 946441
 Ion Ratio Lower Upper
 178 100
 179 15.3 12.6 18.8
 176 17.9 14.5 21.7





#16

Fluoranthene

Concen: 19.66 ng/ul

RT: 20.10 min Scan# 2893

Delta R.T. -0.00 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

Instrument :

BNA_M

ClientSampleId :

SSTD02054

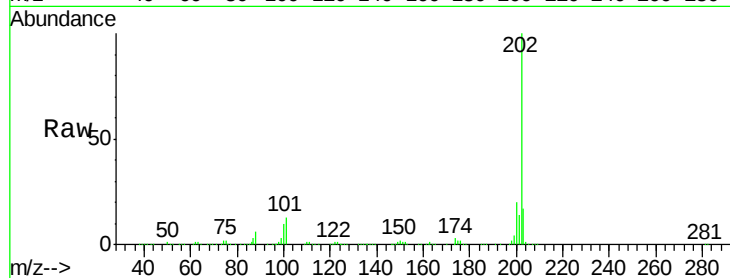
Tgt Ion:202 Resp: 1038187

Ion Ratio Lower Upper

202 100

101 13.0 9.7 14.5

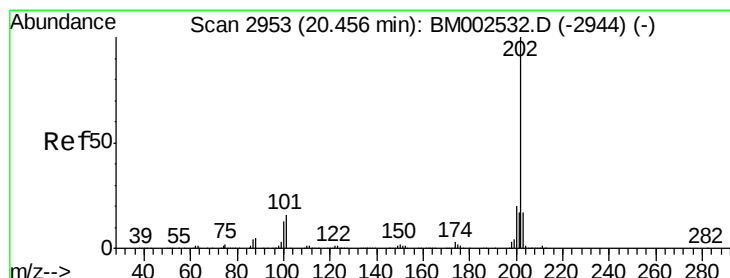
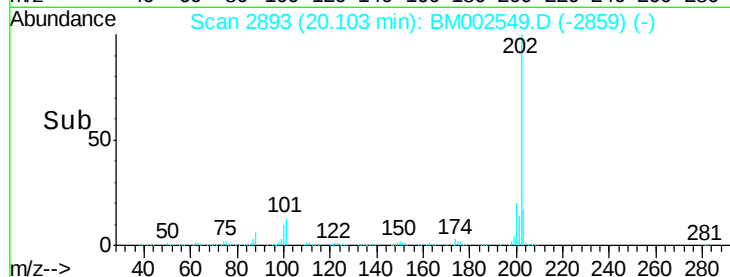
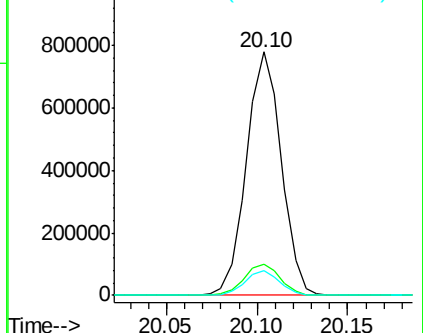
100 9.9 7.4 11.2



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: 22.16 ng/ul

RT: 20.46 min Scan# 2954

Delta R.T. 0.01 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

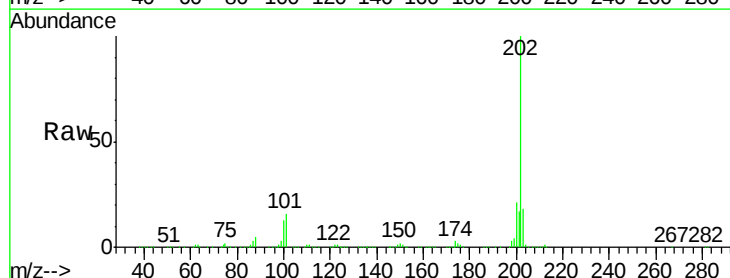
Tgt Ion:202 Resp: 1075952

Ion Ratio Lower Upper

202 100

101 15.5 12.0 18.0

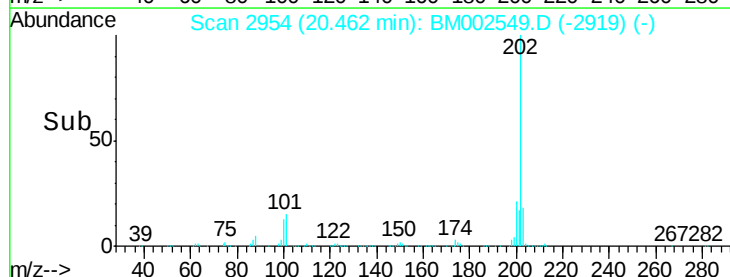
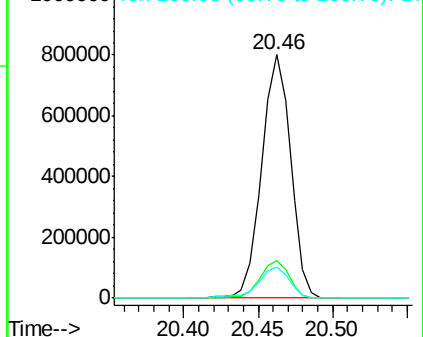
100 12.8 9.7 14.5

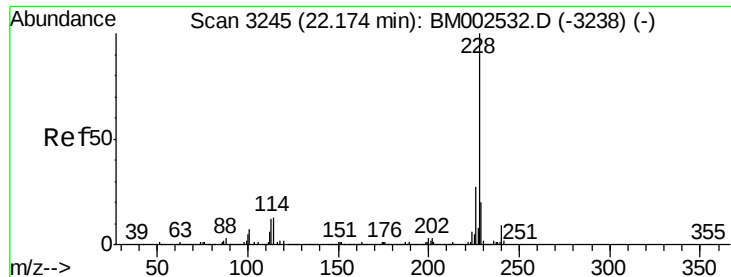


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 100.00 (99.70 to 100.70): B





#20

Benzo(a)anthracene

Concen: 19.73 ng/ul

RT: 22.18 min Scan# 3246

Delta R.T. 0.01 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

Instrument :

BNA_M

ClientSampleId :

SSTD02054

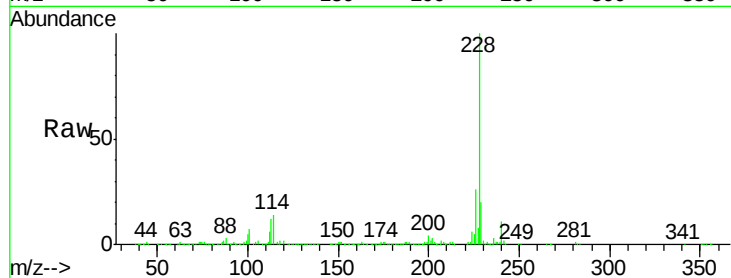
Tgt Ion:228 Resp: 977777

Ion Ratio Lower Upper

228 100

229 19.8 15.8 23.6

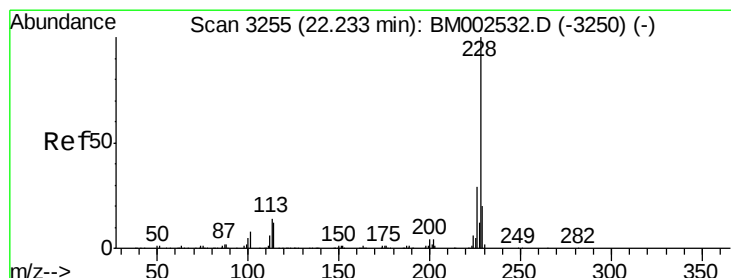
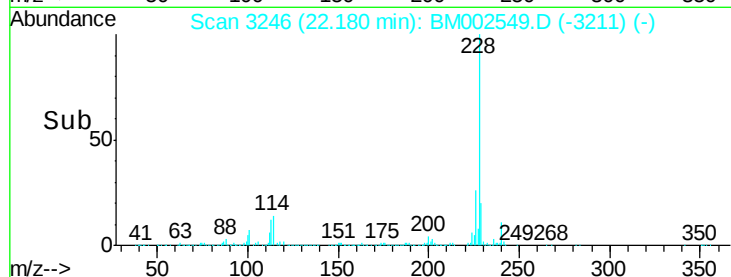
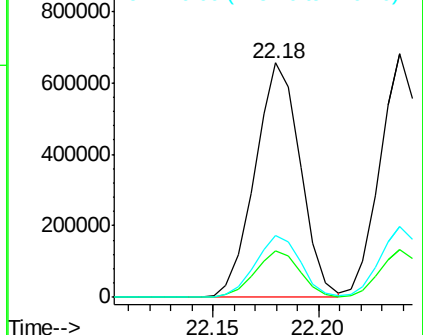
226 26.3 21.1 31.7



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: 19.93 ng/ul

RT: 22.24 min Scan# 3256

Delta R.T. 0.01 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

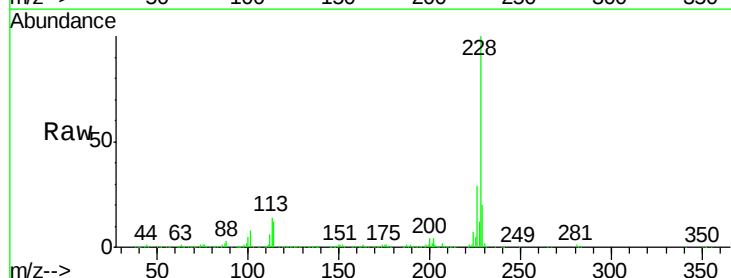
Tgt Ion:228 Resp: 923915

Ion Ratio Lower Upper

228 100

226 29.3 23.4 35.2

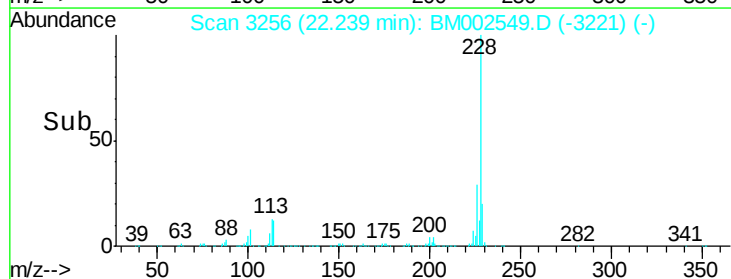
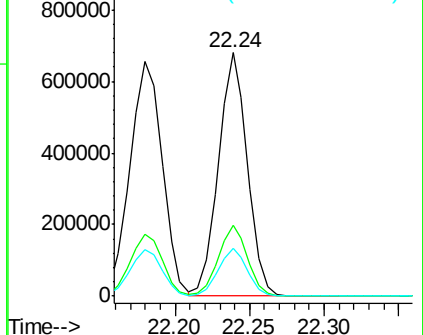
229 19.7 15.7 23.5

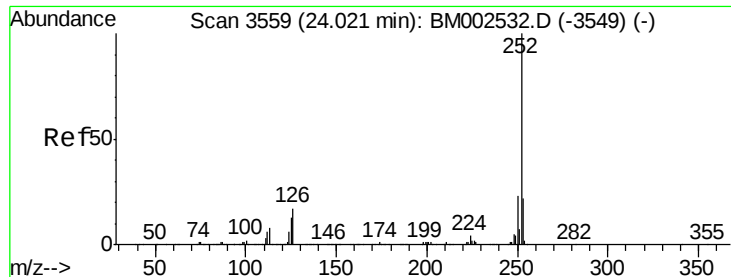


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 20.79 ng/ul

RT: 24.03 min Scan# 3560

Delta R.T. 0.01 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

Instrument :

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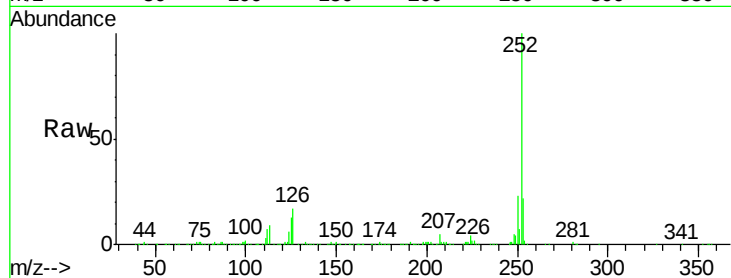
Tgt Ion:252 Resp: 856600

Ion Ratio Lower Upper

252 100

253 22.0 17.4 26.0

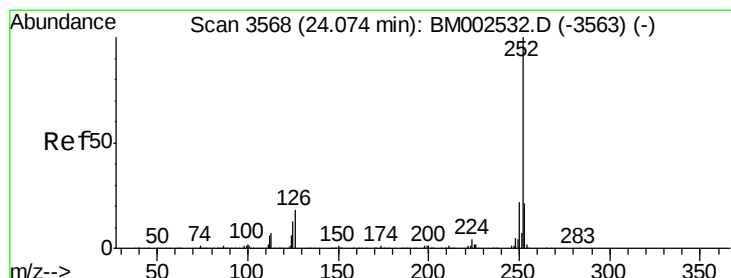
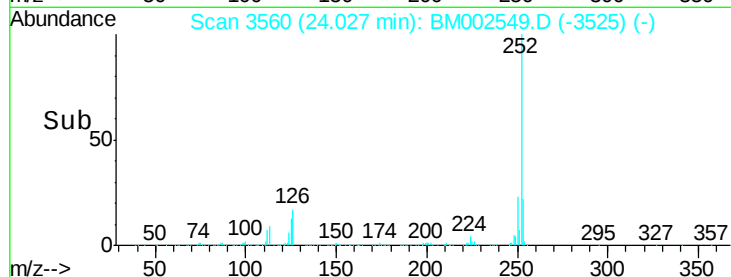
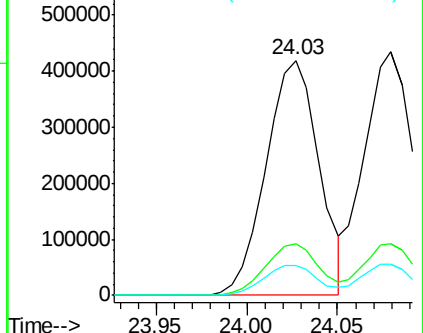
125 13.0 10.0 15.0



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: 21.18 ng/ul

RT: 24.08 min Scan# 3569

Delta R.T. 0.01 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

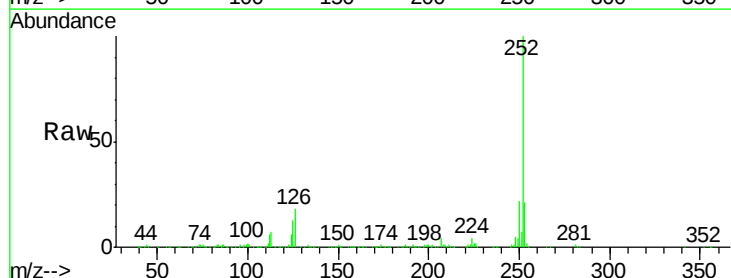
Tgt Ion:252 Resp: 827074

Ion Ratio Lower Upper

252 100

253 21.4 17.8 26.6

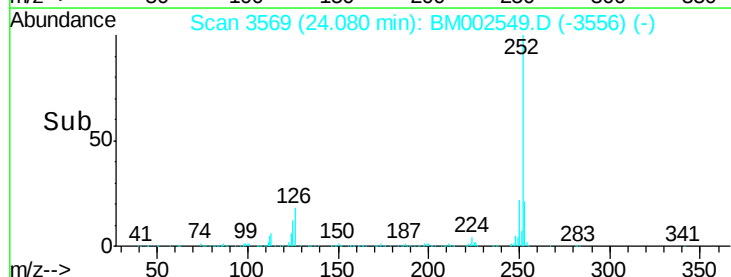
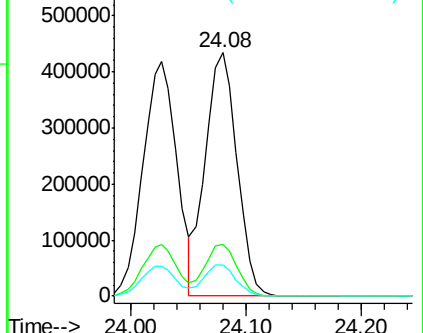
125 12.9 9.8 14.8

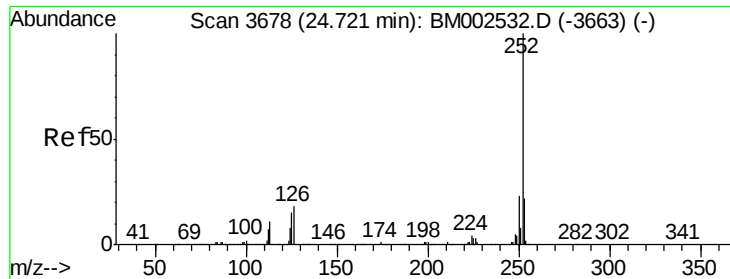


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Benzo(a)pyrene

Concen: 20.04 ng/ul

RT: 24.73 min Scan# 3679

Delta R.T. 0.01 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

Instrument :

BNA_M

ClientSampleId :

SSTD02054

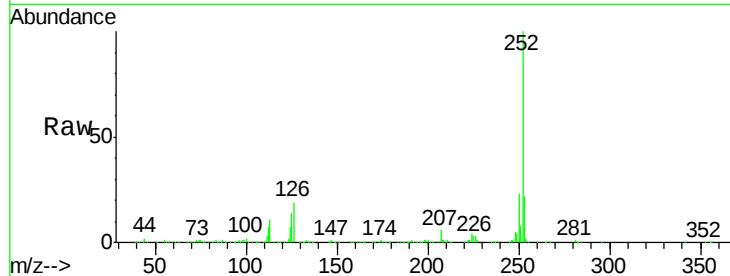
Tgt Ion:252 Resp: 788751

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

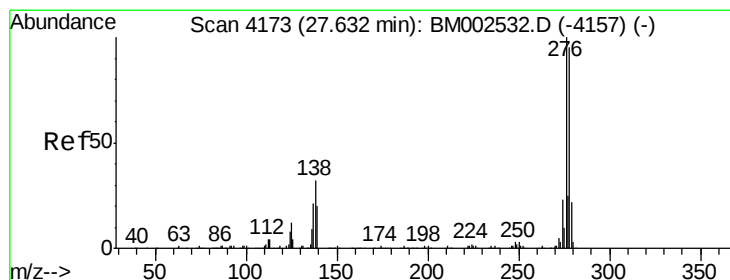
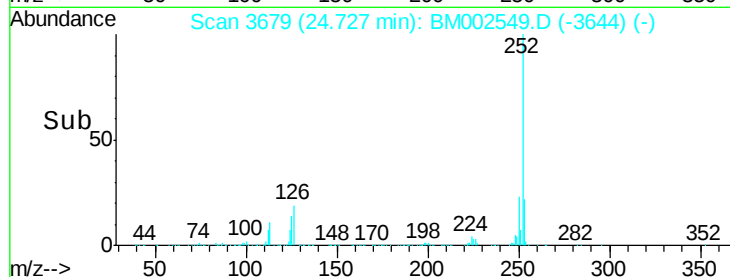
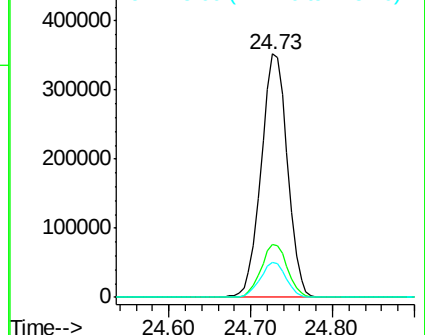
125 14.3 10.7 16.1



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: 17.99 ng/ul

RT: 27.64 min Scan# 4174

Delta R.T. 0.01 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

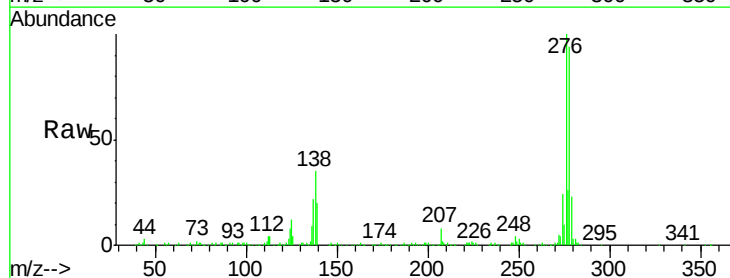
Tgt Ion:276 Resp: 814157

Ion Ratio Lower Upper

276 100

138 34.6 25.3 37.9

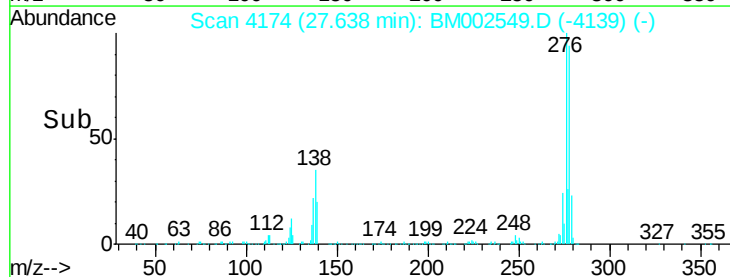
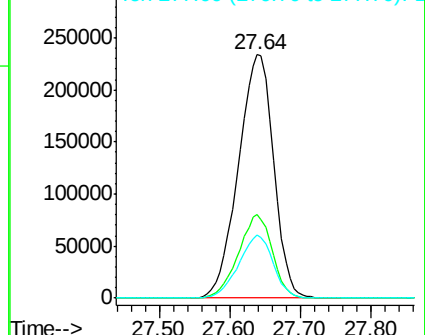
277 26.0 20.2 30.2

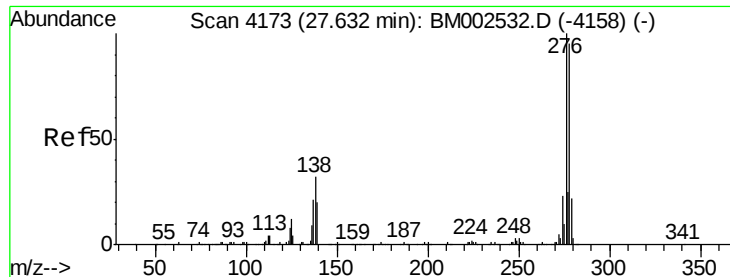


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#28

Dibenzo(a,h)anthracene

Concen: 18.43 ng/ul

RT: 27.64 min Scan# 4174

Delta R.T. 0.01 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

Instrument :

BNA_M

ClientSampleId :

SSTD02054

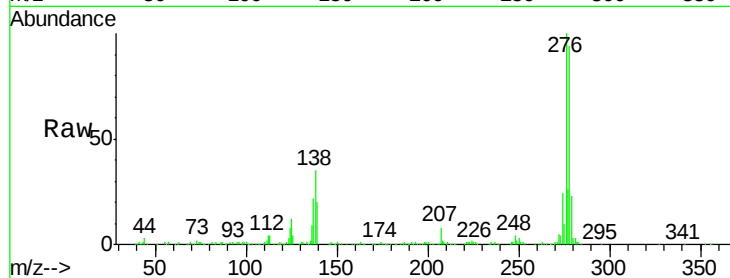
Tgt Ion:278 Resp: 697333

Ion Ratio Lower Upper

278 100

139 21.6 16.5 24.7

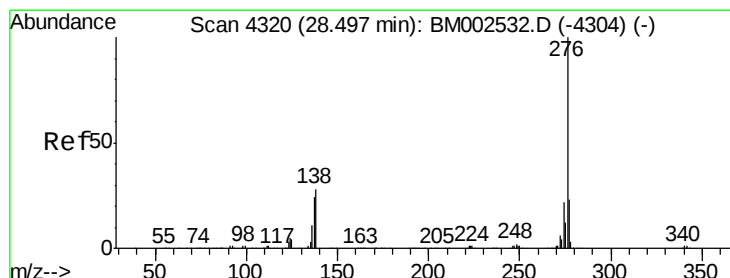
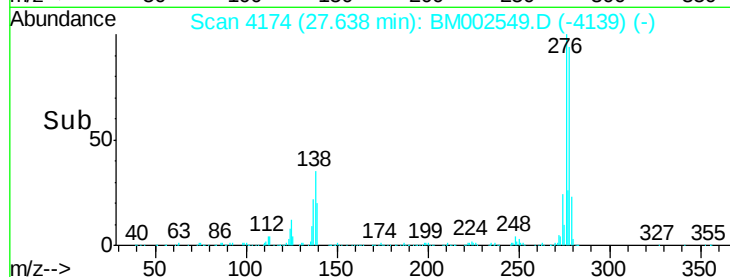
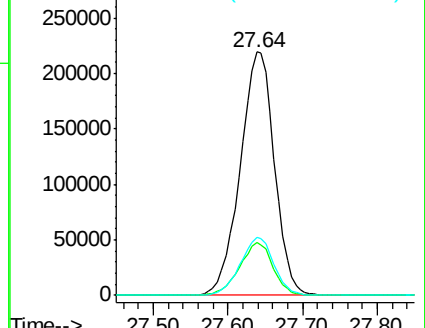
279 24.1 18.8 28.2



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(g,h,i)perylene

Concen: 17.91 ng/ul

RT: 28.51 min Scan# 4322

Delta R.T. 0.01 min

Lab File: BM002549.D

Acq: 24 Aug 2015 09:32

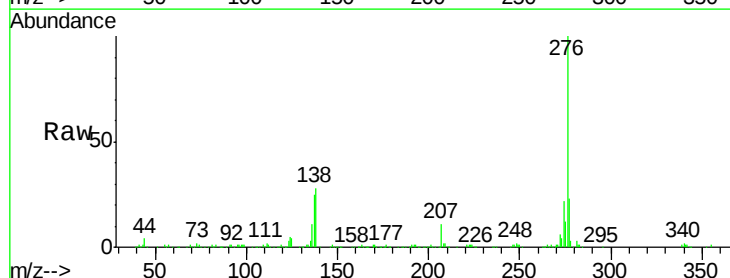
Tgt Ion:276 Resp: 674598

Ion Ratio Lower Upper

276 100

138 27.7 21.0 31.6

277 23.5 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

