

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM070816\
 Data File : BM006337.D
 Acq On : 08 Jul 2016 02:31
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.445

Quant Time: Jul 08 08:18:35 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM070716.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 08 03:28:13 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.65	152	4501	0.40	ng/ul	0.00
4) Naphthalene-d8	10.43	136	17392	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.30	164	9883	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.04	188	20596	0.40	ng/ul	0.00
18) Chrysene-d12	21.24	240	14462	0.40	ng/ul	0.00
22) Perylene-d12	23.44	264	13272	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.17	96	3857	2.03	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.02	152	9366	0.46	ng/ul	0.00
16) Fluoranthene-d10	19.08	212	19805	0.46	ng/ul	0.00

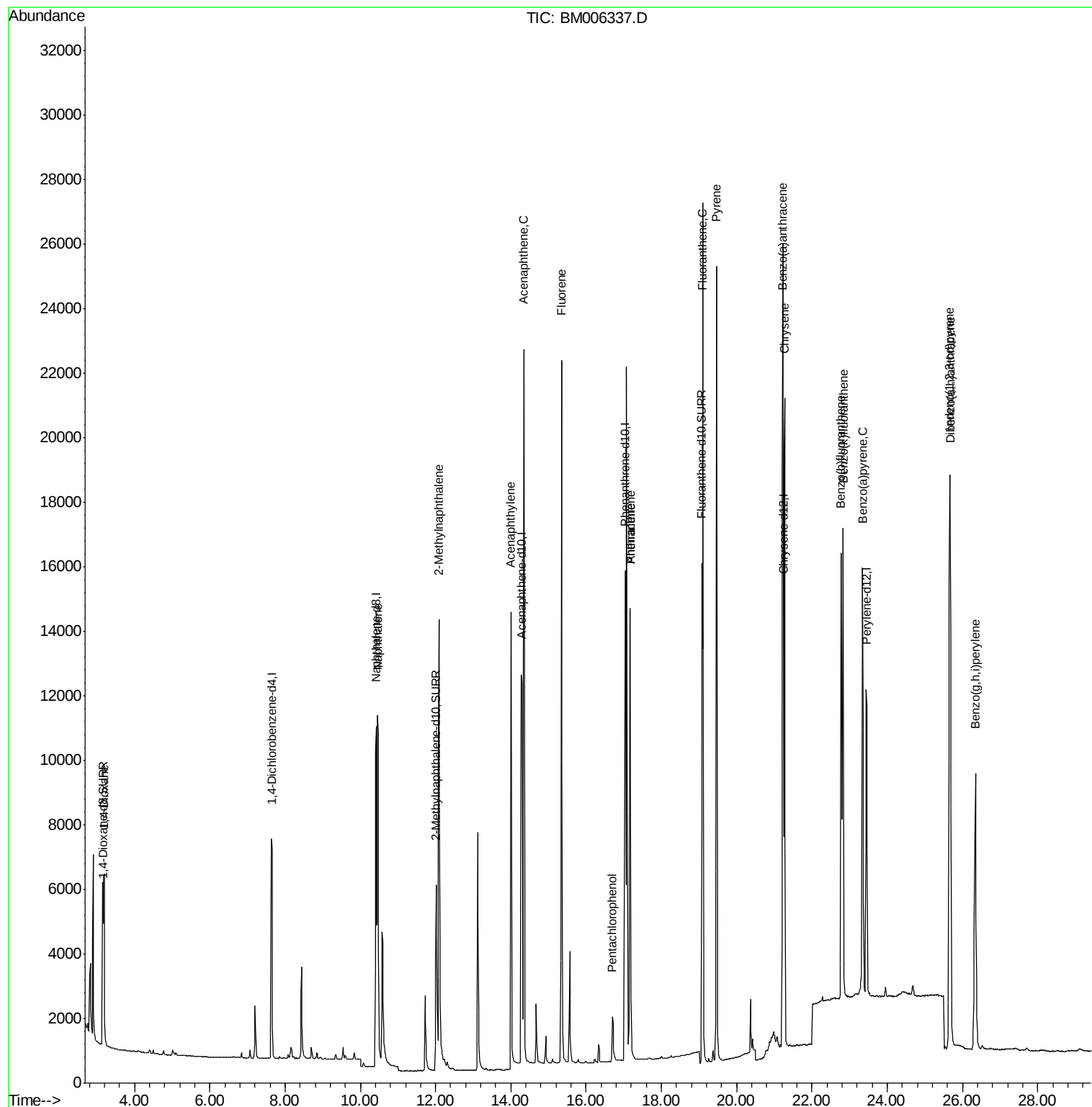
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.20	88	4932	2.00	ng/ul#	1
5) Naphthalene	10.46	128	17623	0.43	ng/ul	97
7) 2-Methylnaphthalene	12.09	142	12480	0.46	ng/ul	98
9) Acenaphthylene	14.01	152	13431	0.40	ng/ul	92
10) Acenaphthene	14.35	153	14150	0.43	ng/ul	92
11) Fluorene	15.34	166	16240	0.44	ng/ul	85
13) Pentachlorophenol	16.70	266	1568	0.49	ng/ul	96
14) Phenanthrene	17.18	178	22779	0.40	ng/ul	100
15) Anthracene	17.18	178	24098	0.46	ng/ul	97
17) Fluoranthene	19.10	202	28624	0.46	ng/ul	98
19) Pyrene	19.46	202	26606	0.44	ng/ul	98
20) Benzo(a)anthracene	21.22	228	21354	0.46	ng/ul	98
21) Chrysene	21.28	228	20254	0.44	ng/ul	98
23) Benzo(b)fluoranthene	22.78	252	21843	0.46	ng/ul	96
24) Benzo(k)fluoranthene	22.83	252	17727	0.40	ng/ul	99
25) Benzo(a)pyrene	23.35	252	19476	0.44	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.66	276	22722	0.46	ng/ul#	89
27) Dibenzo(a,h)anthracene	25.68	278	17937	0.47	ng/ul	99
28) Benzo(g,h,i)perylene	26.34	276	18746	0.45	ng/ul	94

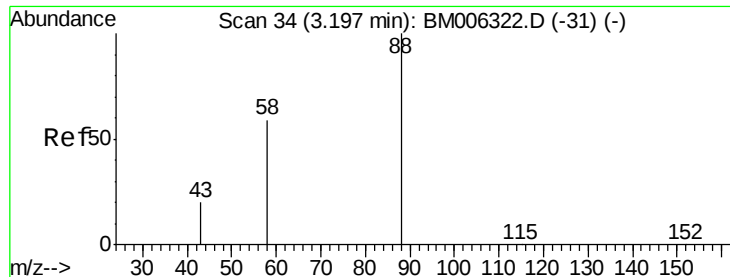
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 2.00 ng/ul

RT: 3.20 min Scan# 34

Delta R.T. -0.00 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.445

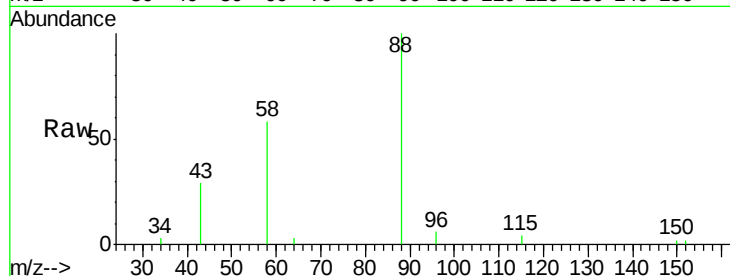
Tgt Ion: 88 Resp: 4932

Ion Ratio Lower Upper

88 100

58 80.0 8.0 12.0#

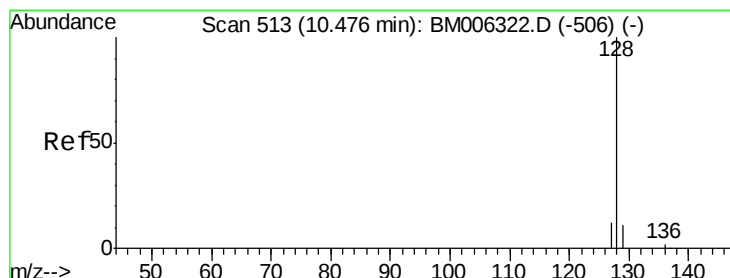
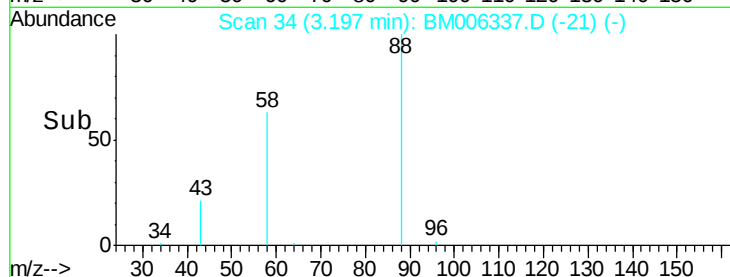
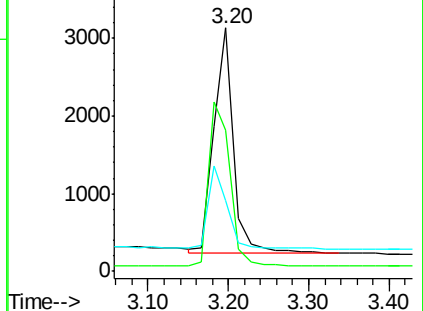
43 36.7 8.0 12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM006337.D (-21) (-)

Ion 58.00 (57.70 to 58.70): BM006337.D (-21) (-)

Ion 43.00 (42.70 to 43.70): BM006337.D (-21) (-)



#5

Naphthalene

Concen: 0.43 ng/ul

RT: 10.46 min Scan# 512

Delta R.T. -0.01 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

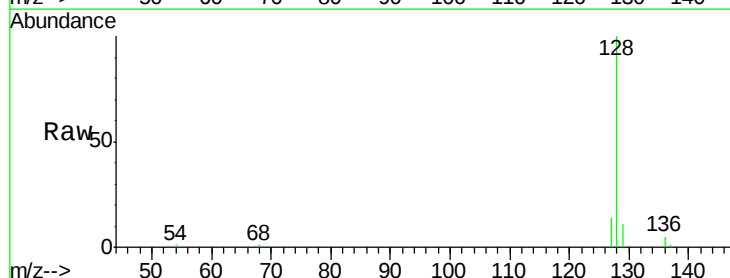
Tgt Ion: 128 Resp: 17623

Ion Ratio Lower Upper

128 100

129 11.0 9.0 13.6

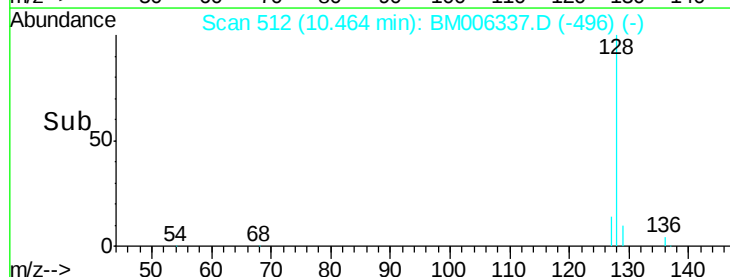
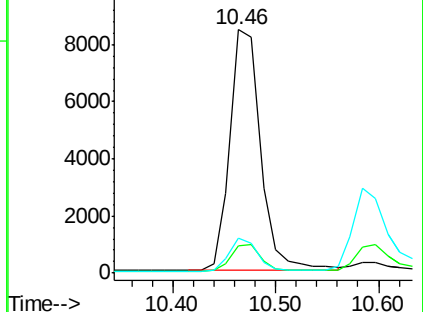
127 14.2 9.6 14.4

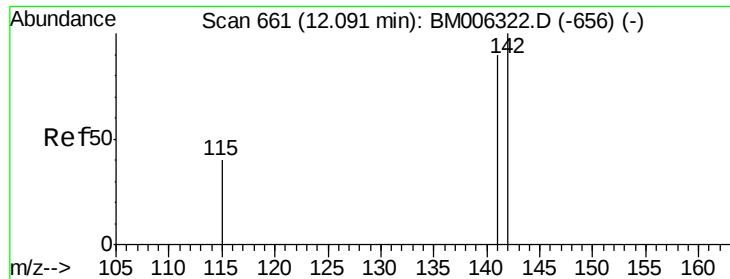


Abundance Ion 128.00 (127.70 to 128.70): BM006337.D (-496) (-)

Ion 129.00 (128.70 to 129.70): BM006337.D (-496) (-)

Ion 127.00 (126.70 to 127.70): BM006337.D (-496) (-)





#7

2-Methylnaphthalene

Concen: 0.46 ng/ul

RT: 12.09 min Scan# 661

Delta R.T. -0.00 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

Instrument :

BNA_M

ClientSampleId :

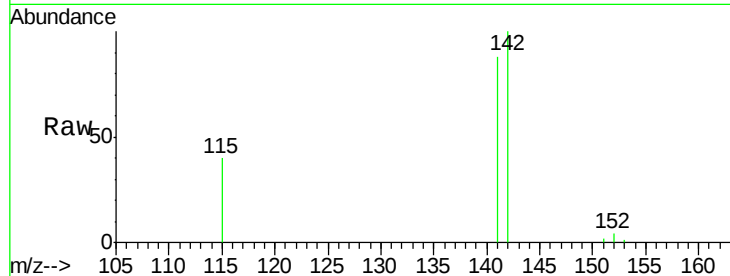
SSTD0.445

Tgt Ion:142 Resp: 12480

Ion Ratio Lower Upper

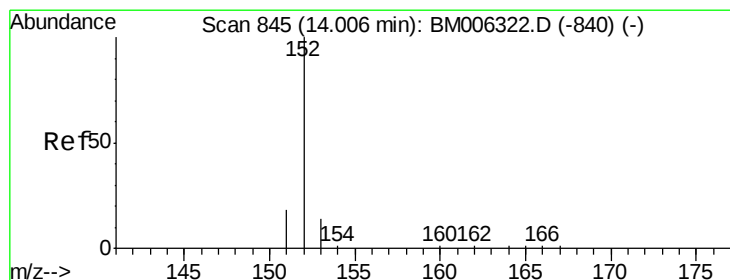
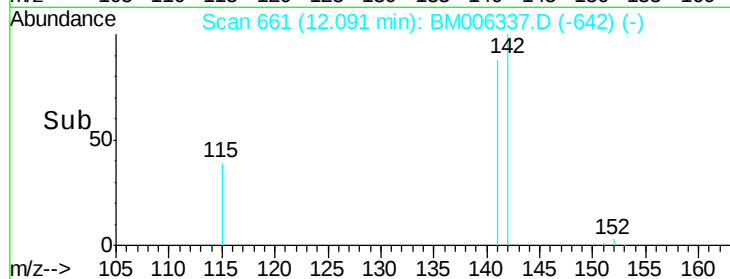
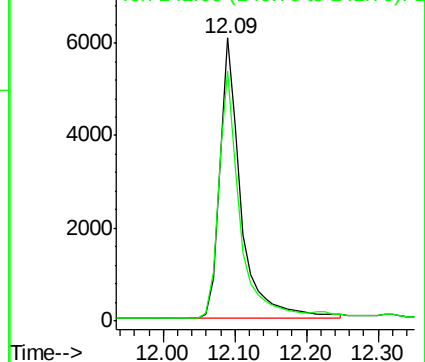
142 100

141 89.7 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.40 ng/ul

RT: 14.01 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

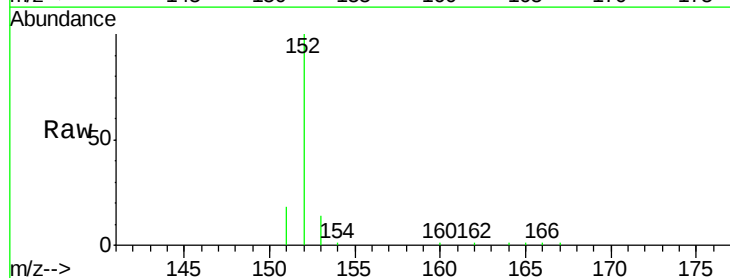
Tgt Ion:152 Resp: 13431

Ion Ratio Lower Upper

152 100

151 17.9 17.6 26.4

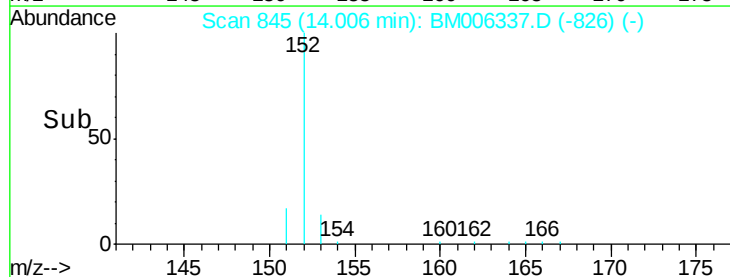
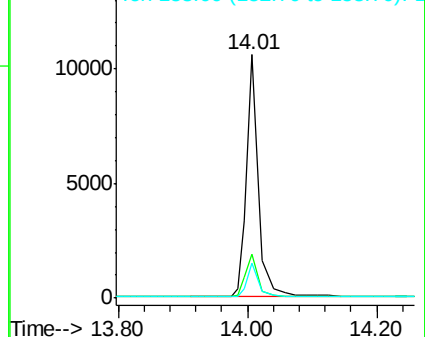
153 14.4 9.7 14.5

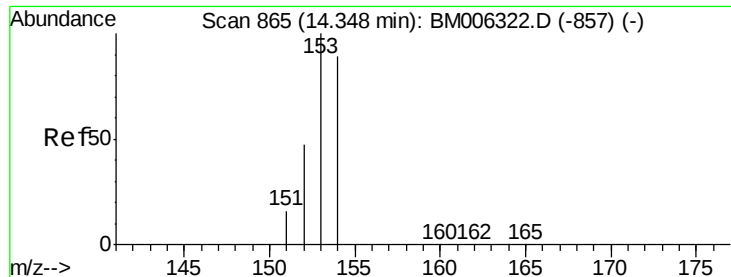


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.43 ng/ul

RT: 14.35 min Scan# 865

Delta R.T. -0.00 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.445

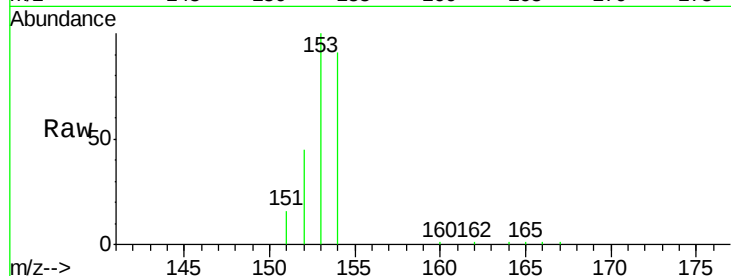
Tgt Ion:153 Resp: 14150

Ion Ratio Lower Upper

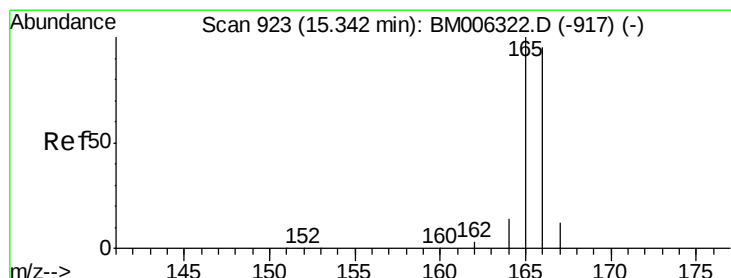
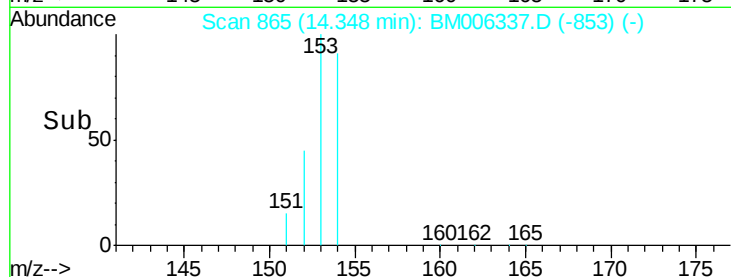
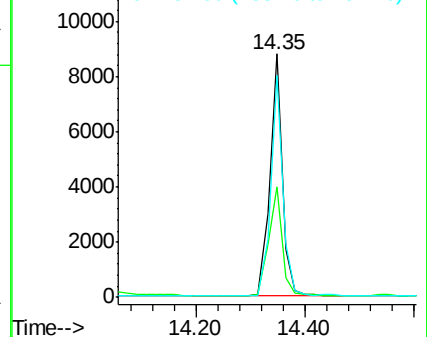
153 100

152 45.5 33.9 50.9

154 91.3 80.6 121.0



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: 0.44 ng/ul

RT: 15.34 min Scan# 923

Delta R.T. -0.00 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

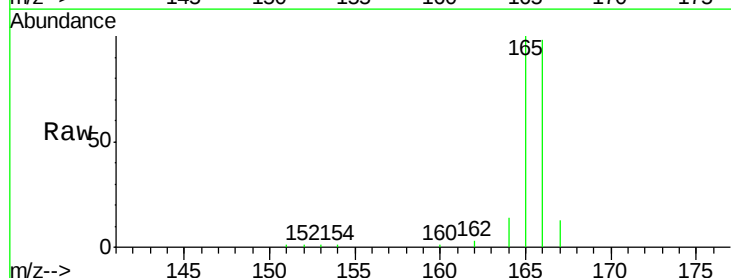
Tgt Ion:166 Resp: 16240

Ion Ratio Lower Upper

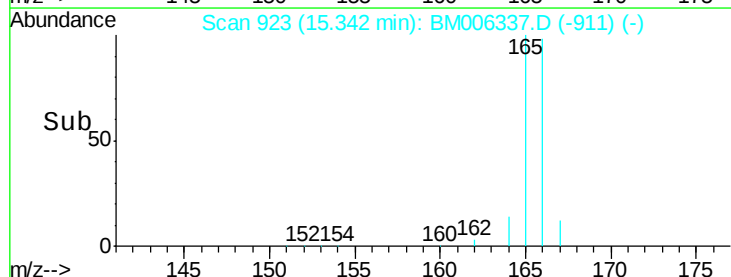
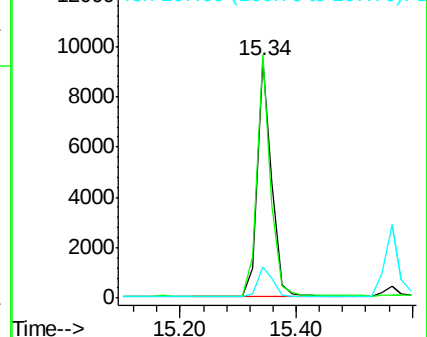
166 100

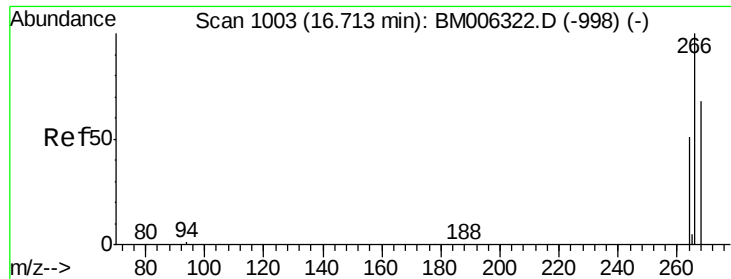
165 102.3 69.6 104.4

167 13.3 11.9 17.9



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

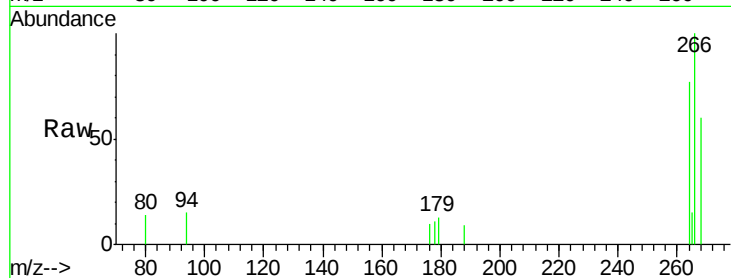




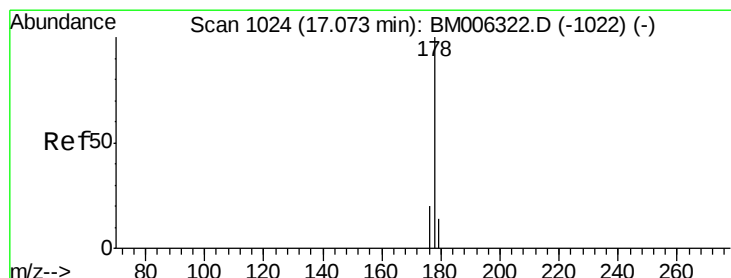
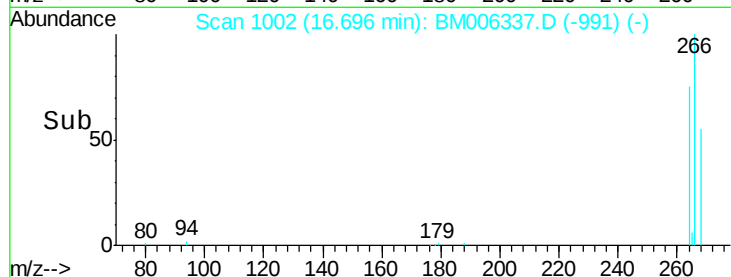
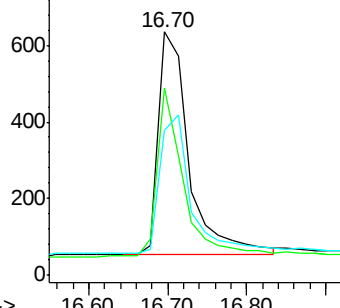
#13
 Pentachlorophenol
 Concen: 0.49 ng/ul
 RT: 16.70 min Scan# 1002
 Delta R.T. -0.02 min
 Lab File: BM006337.D
 Acq: 08 Jul 2016 02:31

Instrument :
 BNA_M
 ClientSampleId :
 SST0.445

Tgt Ion: 266 Resp: 1568
 Ion Ratio Lower Upper
 266 100
 264 63.8 51.8 77.8
 268 63.8 46.8 70.2

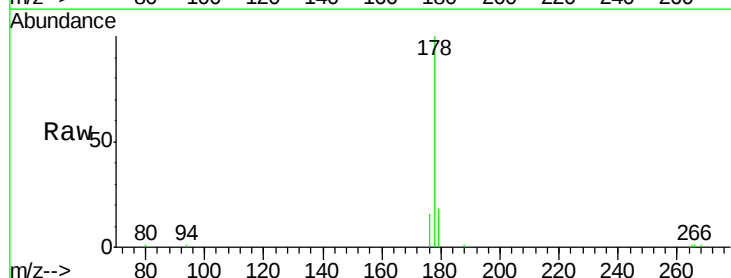


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

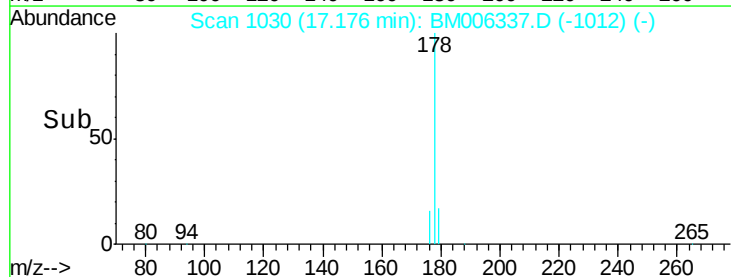
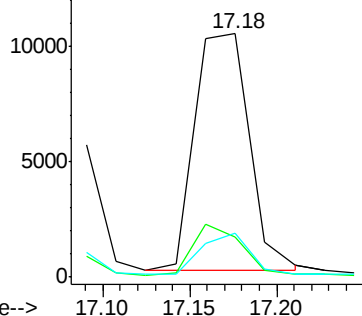


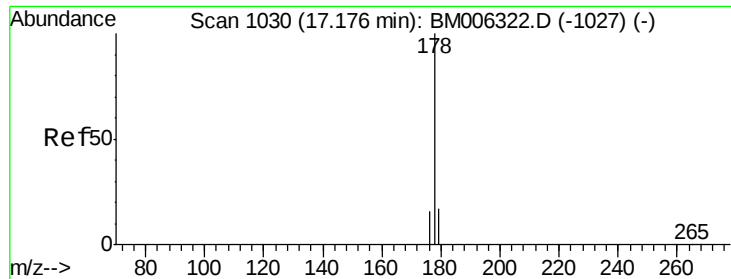
#14
 Phenanthrene
 Concen: 0.40 ng/ul
 RT: 17.18 min Scan# 1030
 Delta R.T. 0.10 min
 Lab File: BM006337.D
 Acq: 08 Jul 2016 02:31

Tgt Ion: 178 Resp: 22779
 Ion Ratio Lower Upper
 178 100
 176 16.4 13.0 19.4
 179 17.9 14.2 21.2



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#15

Anthracene

Concen: 0.46 ng/ul

RT: 17.18 min Scan# 1030

Delta R.T. -0.00 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.445

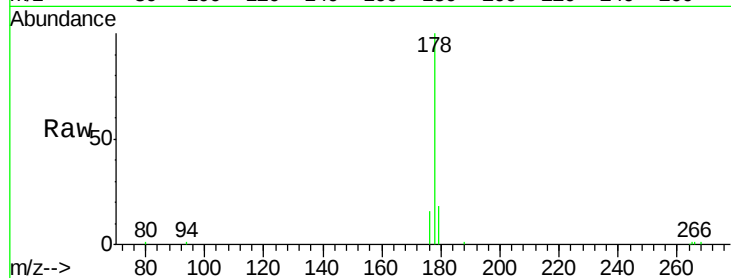
Tgt Ion:178 Resp: 24098

Ion Ratio Lower Upper

178 100

176 16.4 14.0 21.0

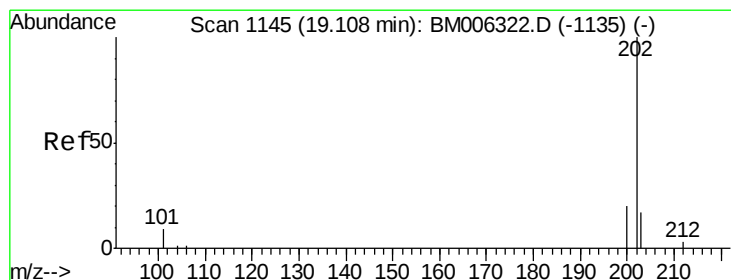
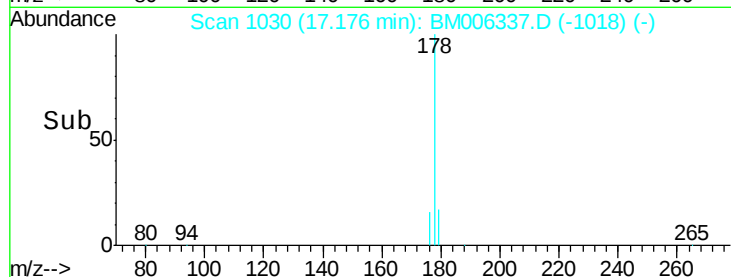
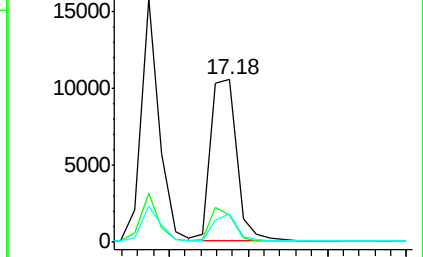
179 17.9 12.9 19.3



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#17

Fluoranthene

Concen: 0.46 ng/ul

RT: 19.10 min Scan# 1144

Delta R.T. -0.01 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

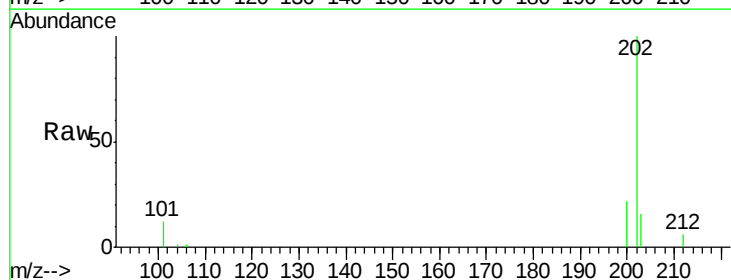
Tgt Ion:202 Resp: 28624

Ion Ratio Lower Upper

202 100

101 11.9 0.0 29.6

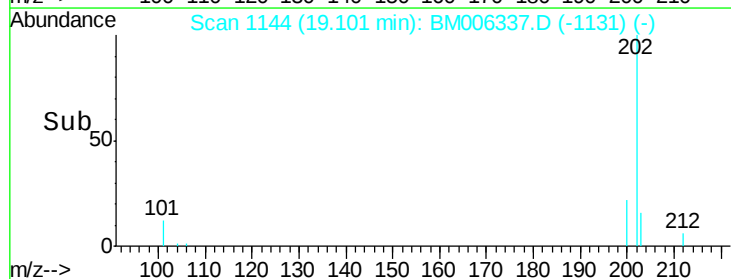
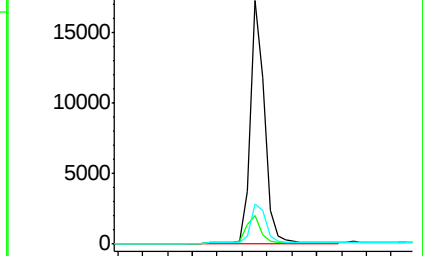
203 16.3 0.0 36.3

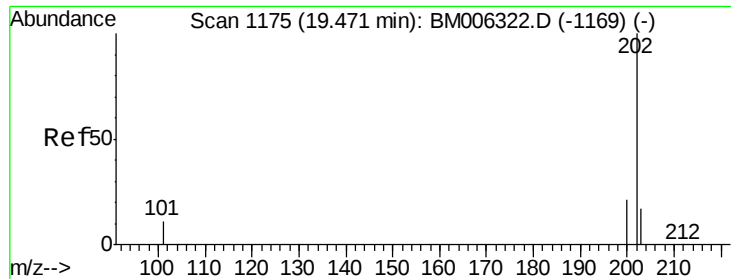


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.44 ng/ul

RT: 19.46 min Scan# 1174

Delta R.T. -0.01 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

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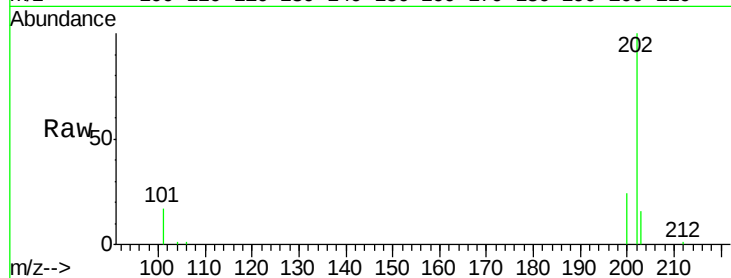
Tgt Ion:202 Resp: 26606

Ion Ratio Lower Upper

202 100

200 23.7 17.8 26.8

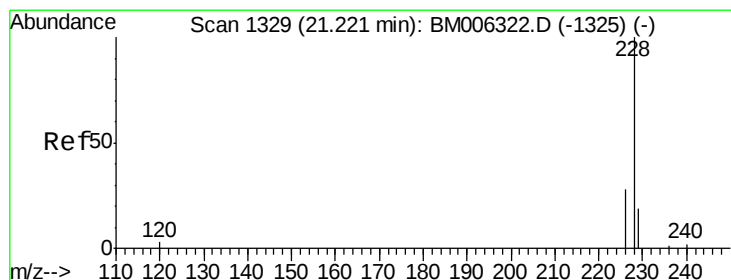
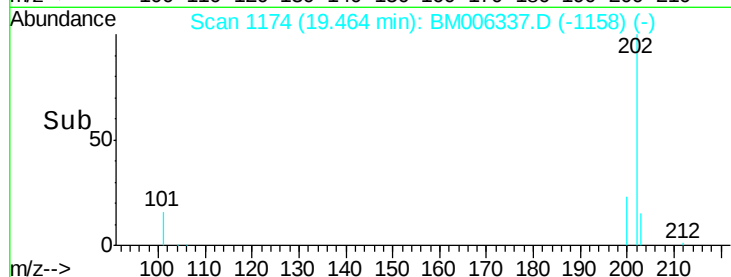
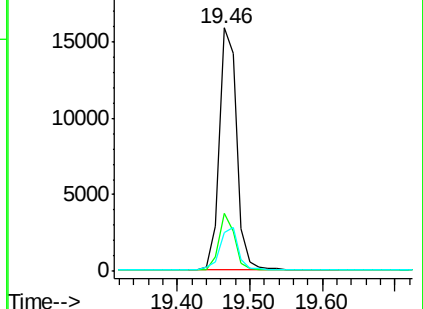
203 16.0 12.8 19.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#20

Benzo(a)anthracene

Concen: 0.46 ng/ul

RT: 21.22 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

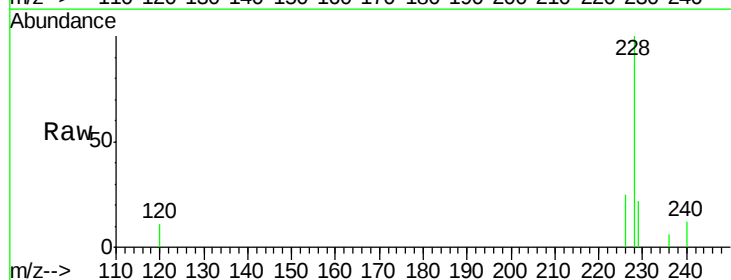
Tgt Ion:228 Resp: 21354

Ion Ratio Lower Upper

228 100

226 25.4 18.8 28.2

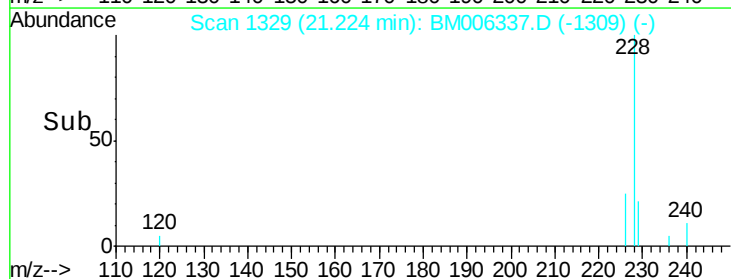
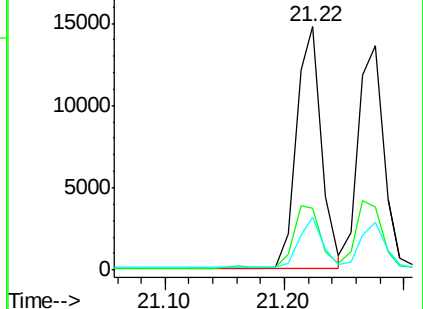
229 21.7 17.1 25.7

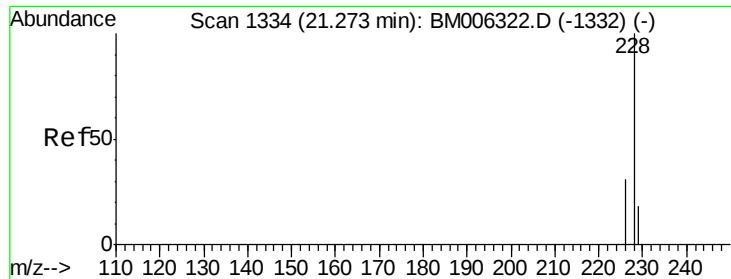


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.44 ng/ul

RT: 21.28 min Scan# 1334

Delta R.T. 0.00 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

Instrument :

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SSTD0.445

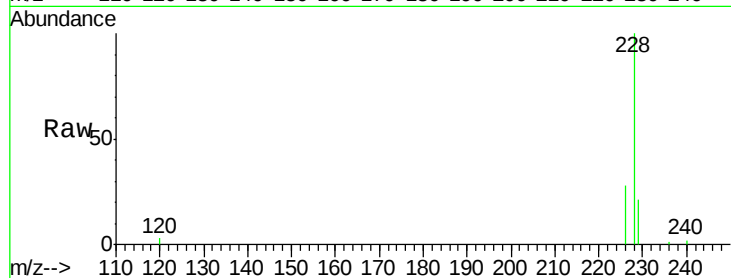
Tgt Ion:228 Resp: 20254

Ion Ratio Lower Upper

228 100

226 28.3 21.2 31.8

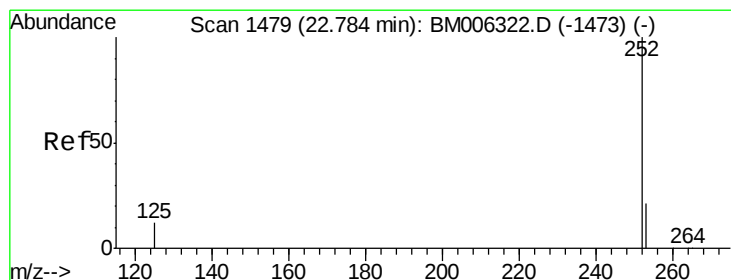
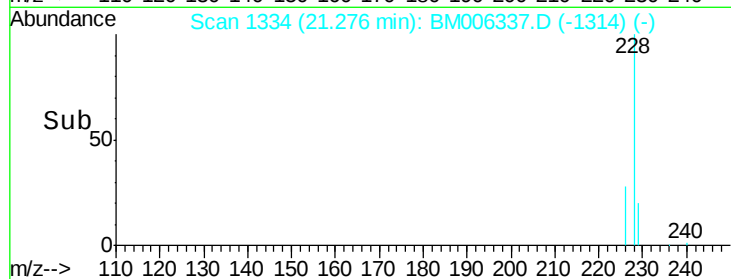
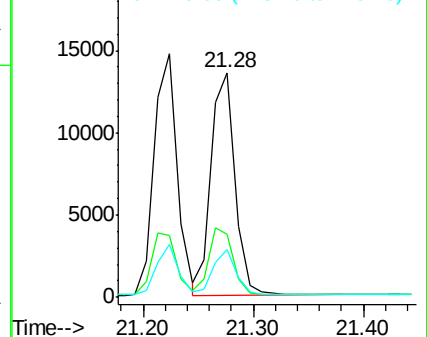
229 21.4 17.0 25.6



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: 0.46 ng/ul

RT: 22.78 min Scan# 1478

Delta R.T. -0.01 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

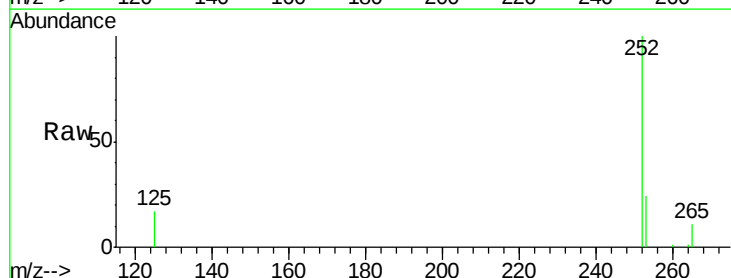
Tgt Ion:252 Resp: 21843

Ion Ratio Lower Upper

252 100

253 23.8 0.0 45.4

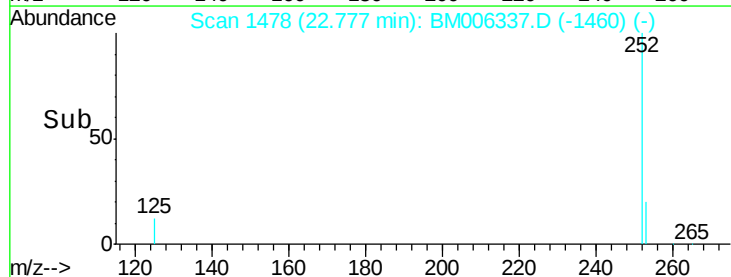
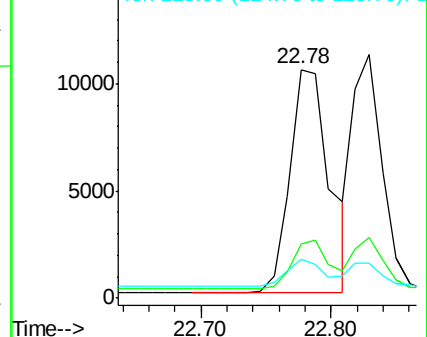
125 17.1 0.0 28.8

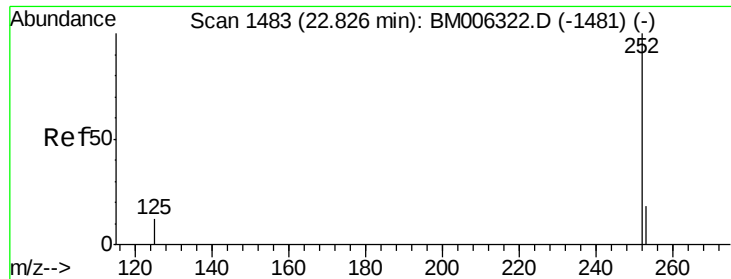


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.40 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. 0.00 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.445

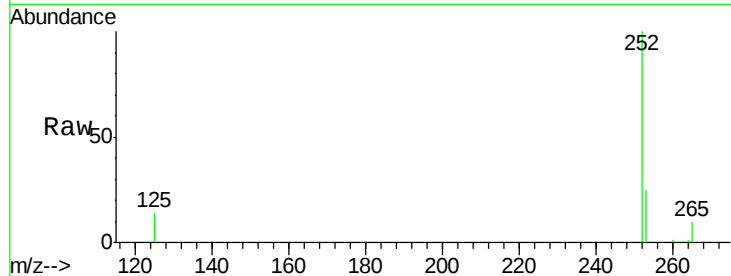
Tgt Ion:252 Resp: 17727

Ion Ratio Lower Upper

252 100

253 25.0 19.8 29.8

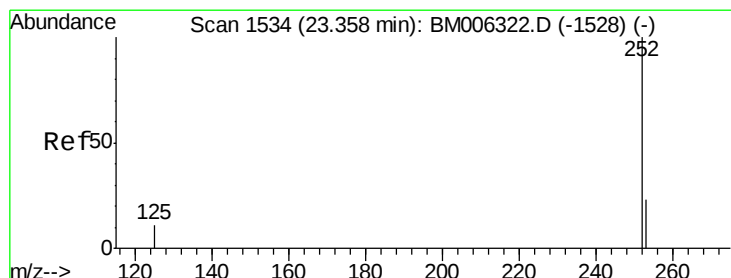
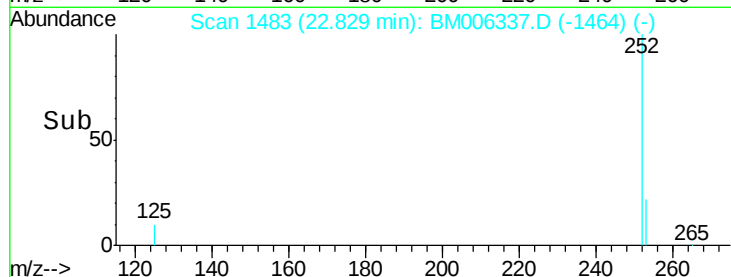
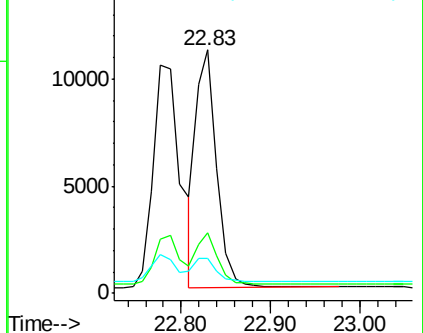
125 14.4 10.4 15.6



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



#25

Benzo(a)pyrene

Concen: 0.44 ng/ul

RT: 23.35 min Scan# 1533

Delta R.T. -0.01 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

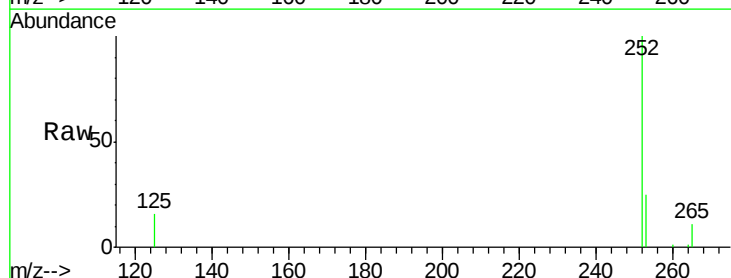
Tgt Ion:252 Resp: 19476

Ion Ratio Lower Upper

252 100

253 25.2 19.4 29.2

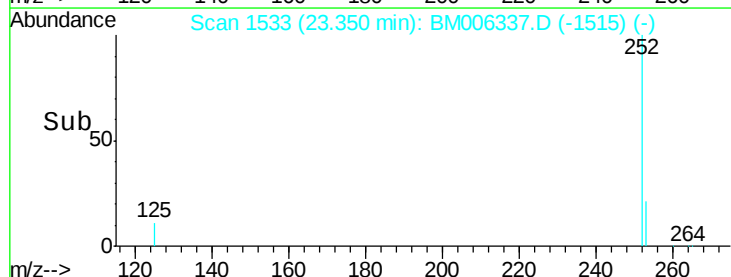
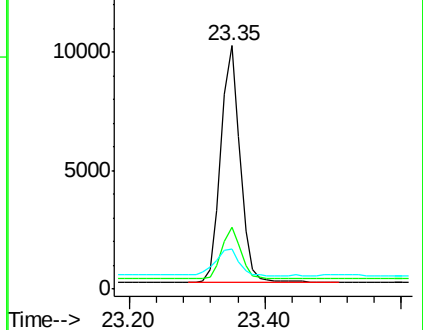
125 16.3 12.7 19.1

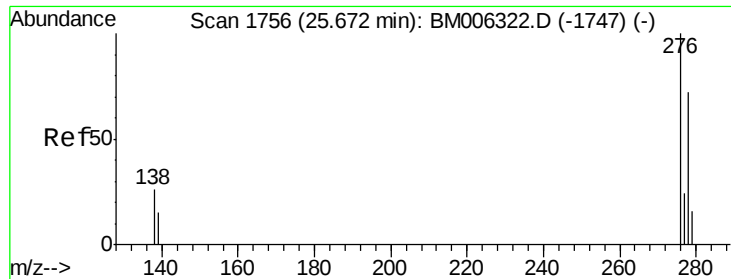


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#26

Indeno(1,2,3-cd)pyrene

Concen: 0.46 ng/ul

RT: 25.66 min Scan# 1755

Delta R.T. -0.01 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.445

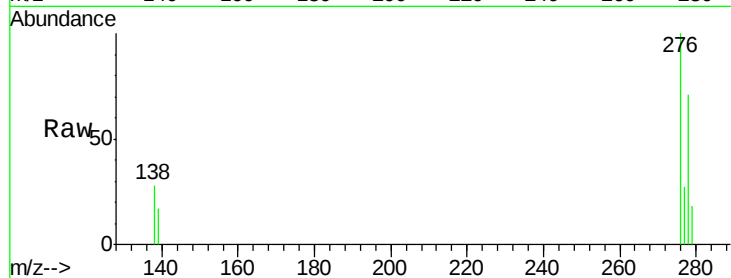
Tgt Ion:276 Resp: 22722

Ion Ratio Lower Upper

276 100

138 29.1 16.3 24.5#

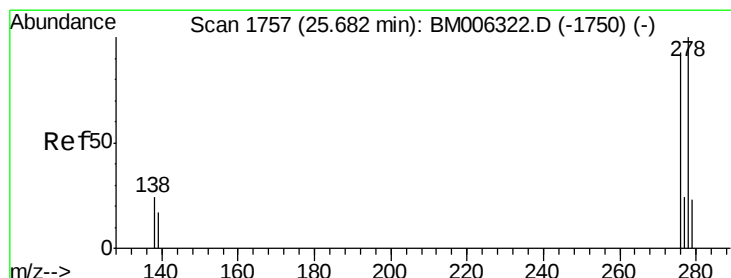
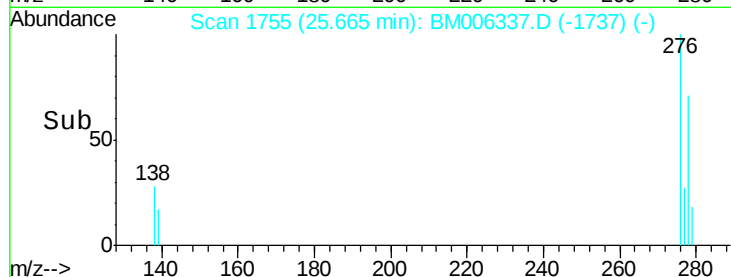
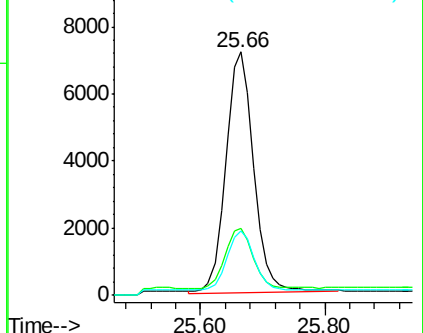
277 27.0 19.8 29.8



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



#27

Dibenzo(a,h)anthracene

Concen: 0.47 ng/ul

RT: 25.68 min Scan# 1756

Delta R.T. -0.01 min

Lab File: BM006337.D

Acq: 08 Jul 2016 02:31

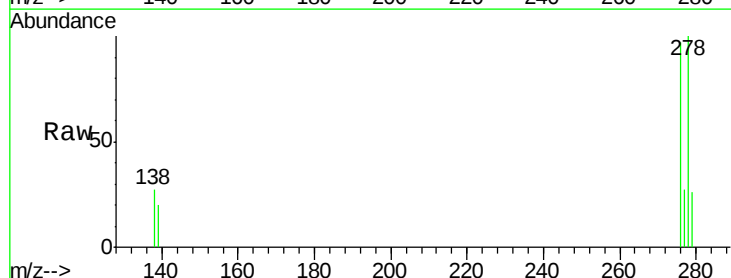
Tgt Ion:278 Resp: 17937

Ion Ratio Lower Upper

278 100

139 20.3 16.4 24.6

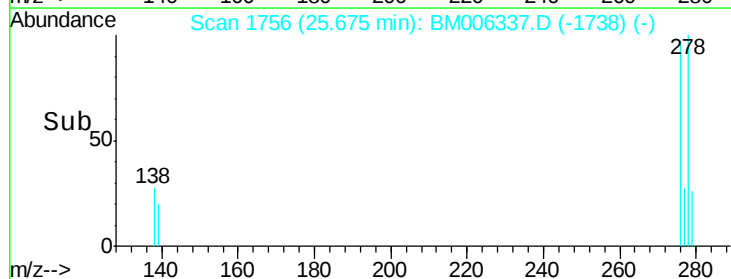
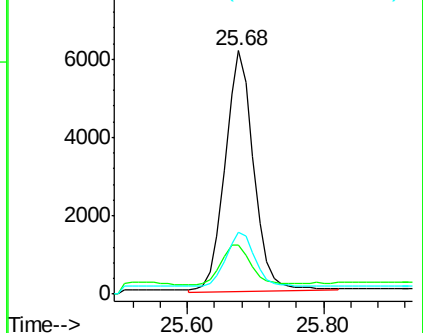
279 25.7 20.2 30.2

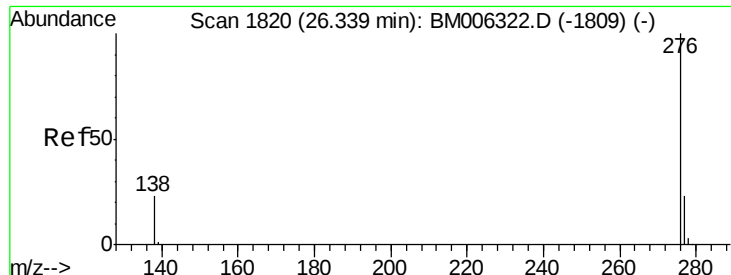


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#28

Benzo(g,h,i)perylene

Concen: 0.45 ng/ul

RT: 26.34 min Scan# 1820

Delta R.T. 0.00 min

Lab File: BM006337.D

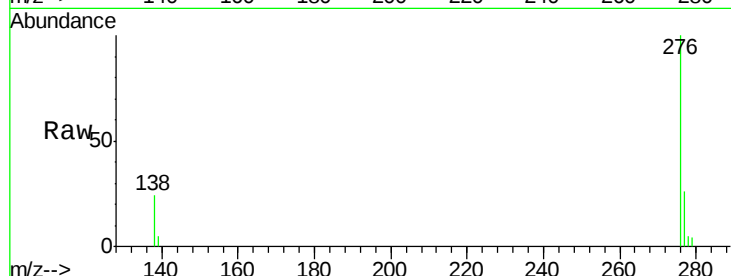
Acq: 08 Jul 2016 02:31

Instrument :

BNA_M

ClientSampleId :

SSTD0.445



Tgt Ion: 276 Resp: 18746

Ion Ratio Lower Upper

276 100

277 25.9 18.9 28.3

138 24.2 22.5 33.7

Abundance Ion 276.00 (275.70 to 276.70): E
Ion 277.00 (276.70 to 277.70): E
Ion 138.00 (137.70 to 138.70): E

