

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092815\
 Data File : BM002737.D
 Acq On : 28 Sep 2015 17:15
 Operator : UM/IZ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.488

Quant Time: Sep 29 00:34:34 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 00:32:23 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	12237	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	47035	0.40	ng/ul	0.01
8) Acenaphthene-d10	15.33	164	21822	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	43917	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	38791	0.40	ng/ul	0.00
22) Perylene-d12	24.73	264	35795	0.40	ng/ul	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.80	96	11691	0.93	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	24541	0.36	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	43822	0.40	ng/ul	0.01

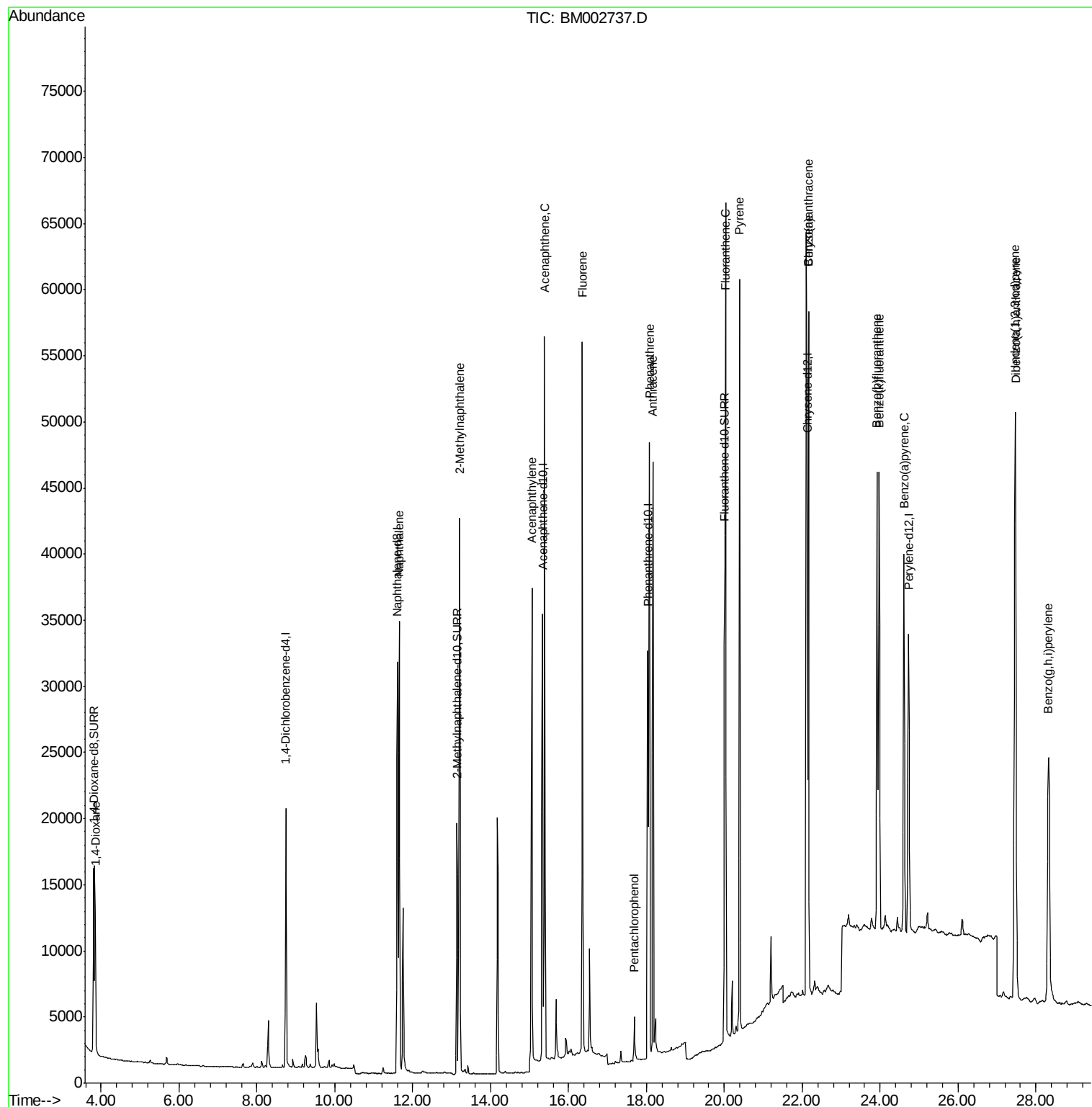
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) 1,4-Dioxane	3.85	88	13656	0.93	ng/ul	98
5) Naphthalene	11.65	128	49511	0.39	ng/ul	98
7) 2-Methylnaphthalene	13.20	142	32098	0.39	ng/ul	99
9) Acenaphthylene	15.06	152	43376	0.39	ng/ul	96
10) Acenaphthene	15.38	153	32922	0.40	ng/ul	93
11) Fluorene	16.36	166	36516	0.39	ng/ul	89
13) Pentachlorophenol	17.69	266	3030	0.35	ng/ul	95
14) Phenanthrene	18.08	178	51847	0.36	ng/ul	98
15) Anthracene	18.17	178	55022	0.42	ng/ul	97
17) Fluoranthene	20.04	202	58785	0.38	ng/ul	94
19) Pyrene	20.39	202	60135	0.40	ng/ul	99
20) Benzo(a)anthracene	22.16	228	49803	0.38	ng/ul	93
21) Chrysene	22.16	228	49803	0.40	ng/ul	97
23) Benzo(b)fluoranthene	23.92	252	48733	0.38	ng/ul	88
24) Benzo(k)fluoranthene	23.97	252	49081	0.41	ng/ul#	89
25) Benzo(a)pyrene	24.61	252	47833	0.40	ng/ul#	87
26) Indeno(1,2,3-cd)pyrene	27.46	276	52780	0.40	ng/ul	98
27) Dibenzo(a,h)anthracene	27.48	278	43342	0.40	ng/ul	93
28) Benzo(g,h,i)perylene	28.32	276	44931	0.40	ng/ul#	92

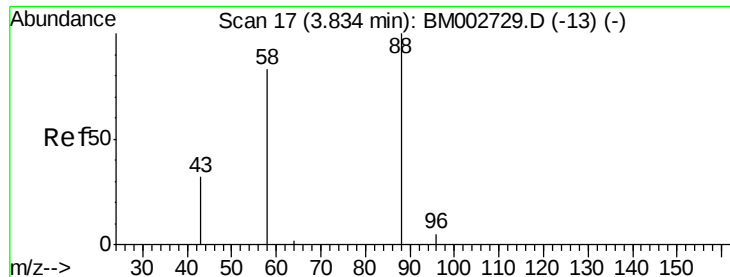
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM092815\
Data File : BM002737.D
Acq On : 28 Sep 2015 17:15
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Misc :
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#3

1,4-Dioxane

Concen: 0.93 ng/ul

RT: 3.85 min Scan# 18

Delta R.T. 0.02 min

Lab File: BM002737.D

Acq: 28 Sep 2015 17:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.488

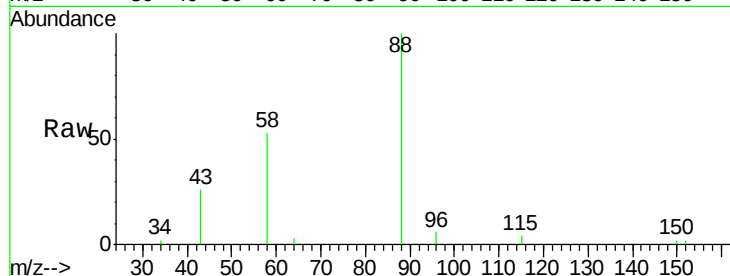
Tgt Ion: 88 Resp: 13656

Ion Ratio Lower Upper

88 100

58 71.6 55.4 83.2

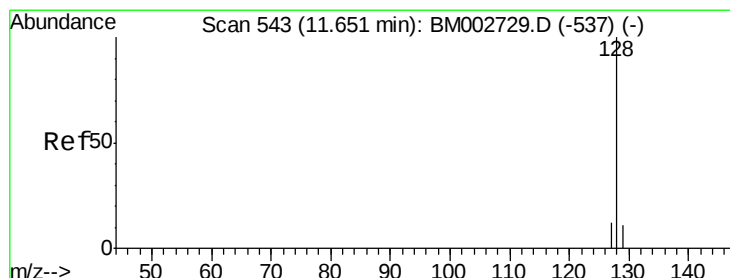
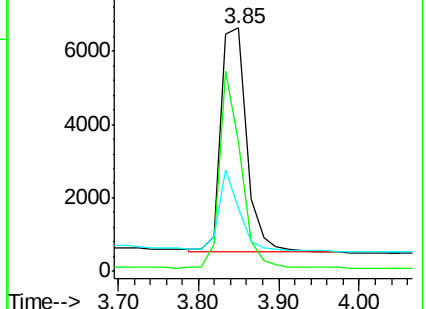
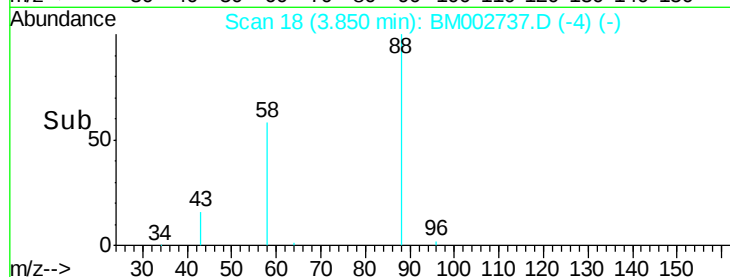
43 30.1 24.2 36.2



Abundance Ion 88.00 (87.70 to 88.70): BM002737.D (-18) (-)

Ion 58.00 (57.70 to 58.70): BM002737.D (-18) (-)

Ion 43.00 (42.70 to 43.70): BM002737.D (-18) (-)



#5

Naphthalene

Concen: 0.39 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002737.D

Acq: 28 Sep 2015 17:15

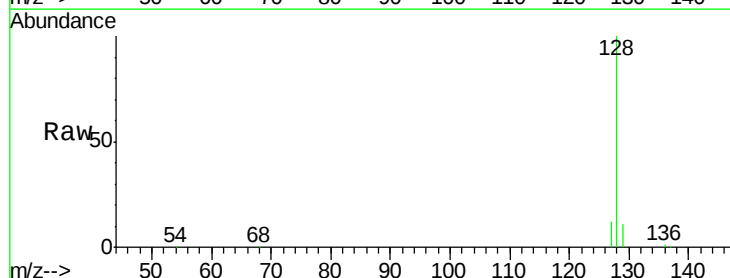
Tgt Ion: 128 Resp: 49511

Ion Ratio Lower Upper

128 100

129 11.4 9.8 14.8

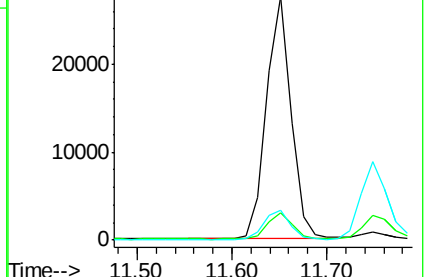
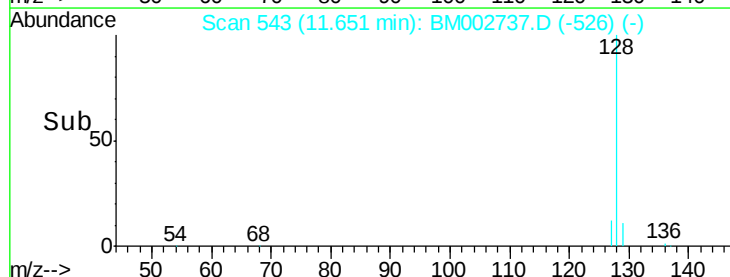
127 12.4 10.7 16.1

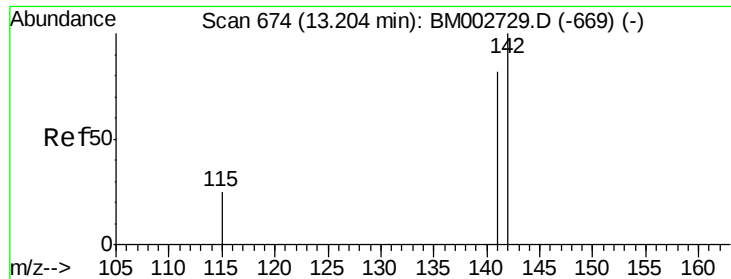


Abundance Ion 128.00 (127.70 to 128.70): BM002737.D (-543) (-)

Ion 129.00 (128.70 to 129.70): BM002737.D (-543) (-)

Ion 127.00 (126.70 to 127.70): BM002737.D (-543) (-)





#7

2-Methylnaphthalene

Concen: 0.39 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002737.D

Acq: 28 Sep 2015 17:15

Instrument :

BNA_M

ClientSampleId :

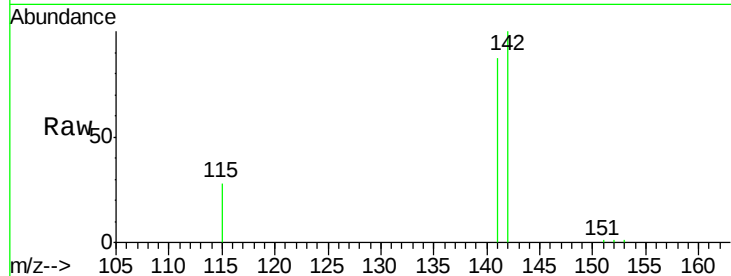
SSTD0.488

Tgt Ion:142 Resp: 32098

Ion Ratio Lower Upper

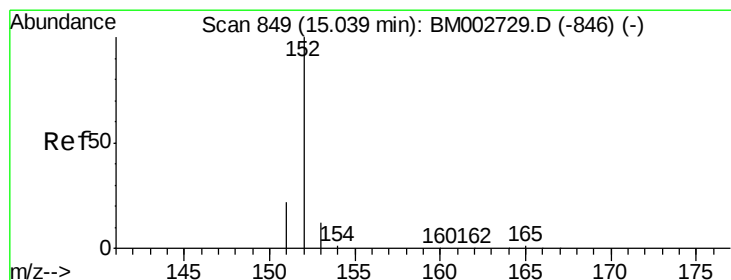
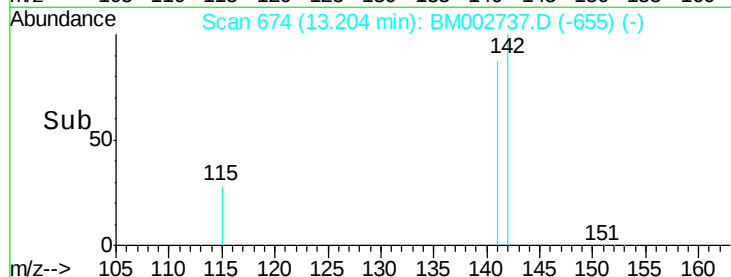
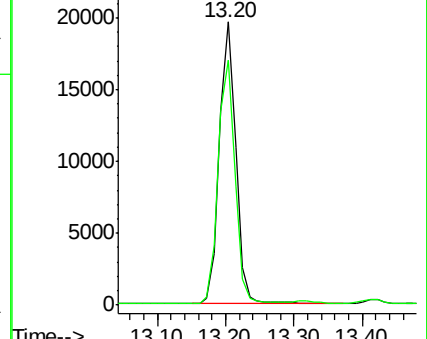
142 100

141 88.7 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: 0.39 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. 0.02 min

Lab File: BM002737.D

Acq: 28 Sep 2015 17:15

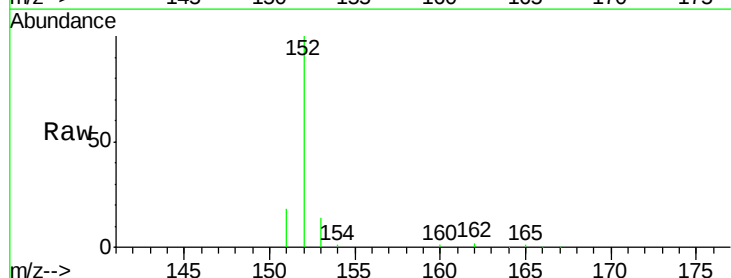
Tgt Ion:152 Resp: 43376

Ion Ratio Lower Upper

152 100

151 17.9 16.8 25.2

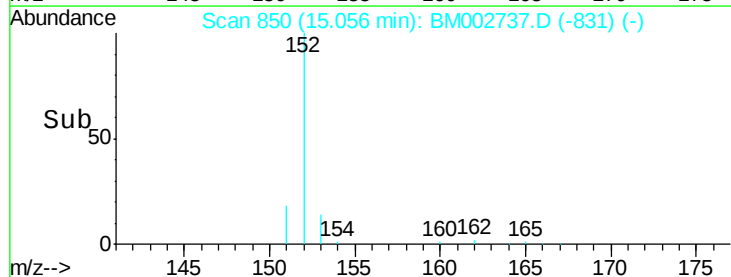
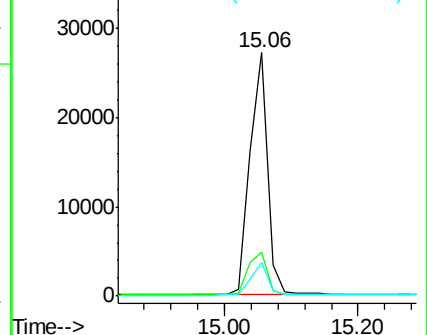
153 14.0 11.3 16.9

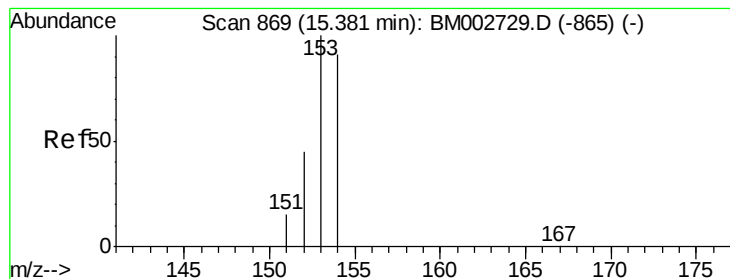


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.40 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002737.D

Acq: 28 Sep 2015 17:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.488

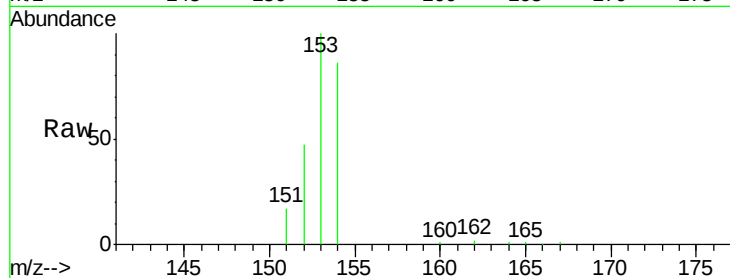
Tgt Ion:153 Resp: 32922

Ion Ratio Lower Upper

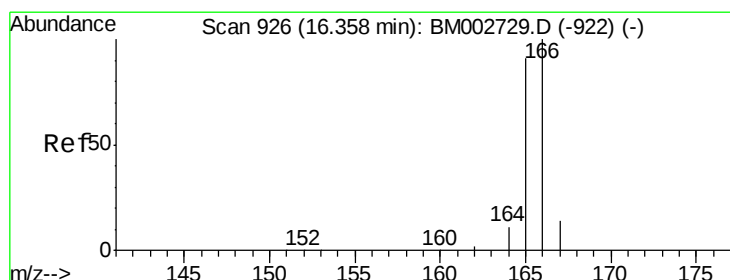
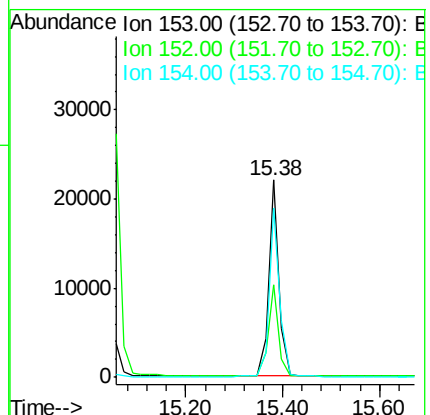
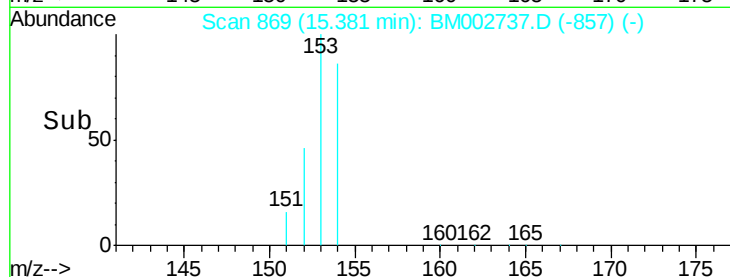
153 100

152 47.0 42.3 63.5

154 86.0 64.7 97.1



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: 0.39 ng/ul

RT: 16.36 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM002737.D

Acq: 28 Sep 2015 17:15

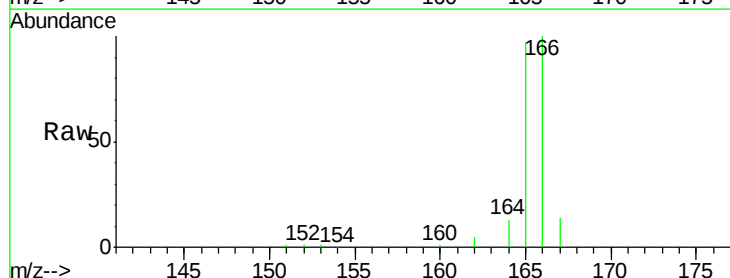
Tgt Ion:166 Resp: 36516

Ion Ratio Lower Upper

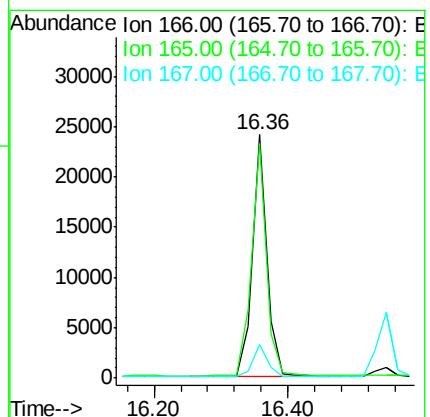
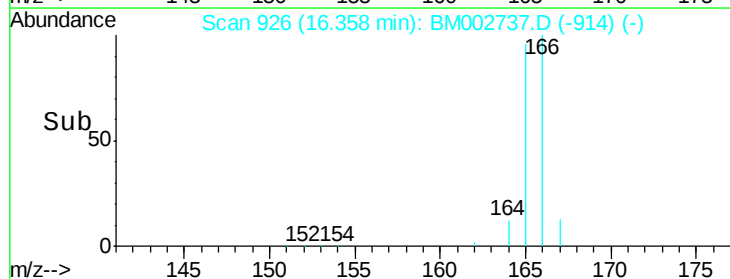
166 100

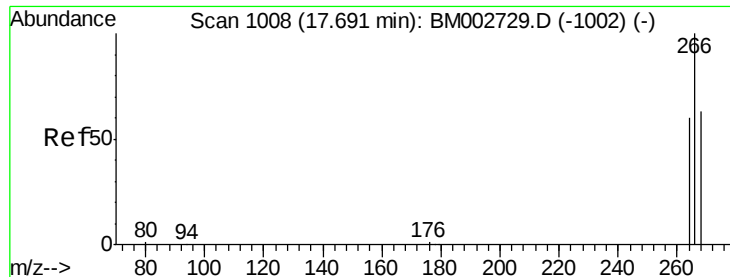
165 96.6 87.6 131.4

167 13.6 11.1 16.7



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

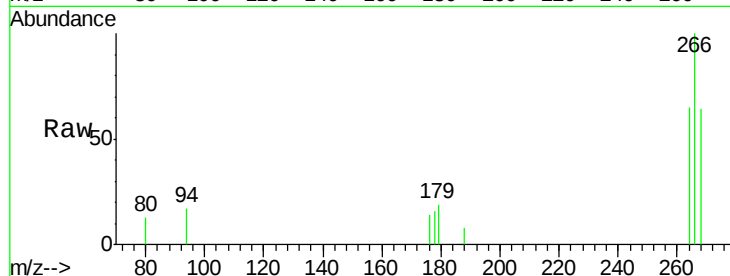




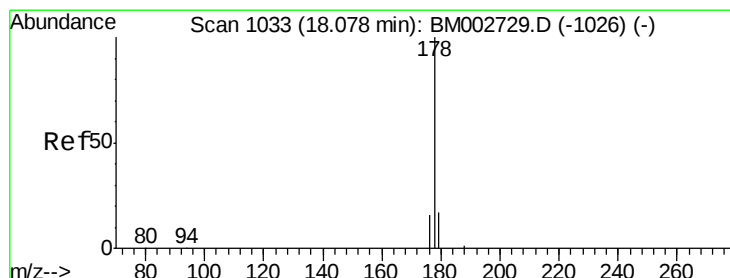
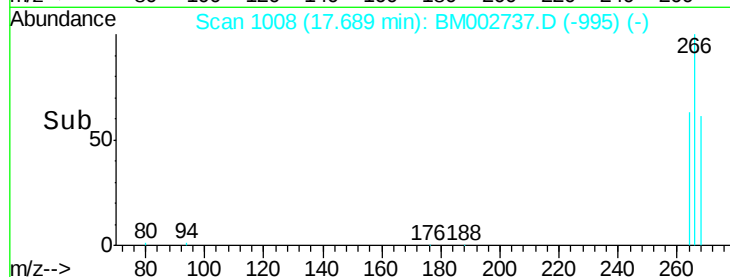
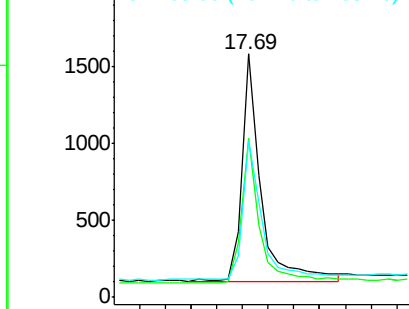
#13
 Pentachlorophenol
 Concen: 0.35 ng/ul
 RT: 17.69 min Scan# 1008
 Delta R.T. -0.00 min
 Lab File: BM002737.D
 Acq: 28 Sep 2015 17:15

Instrument :
 BNA_M
 ClientSampleId :
 SST0.488

Tgt Ion: 266 Resp: 3030
 Ion Ratio Lower Upper
 266 100
 264 62.7 53.5 80.3
 268 63.6 54.2 81.2

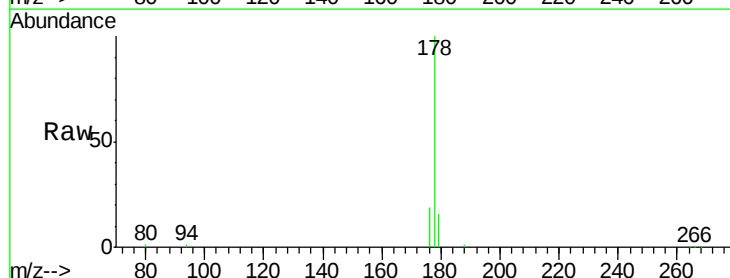


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

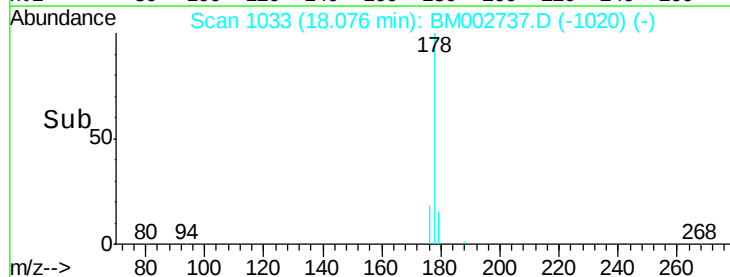
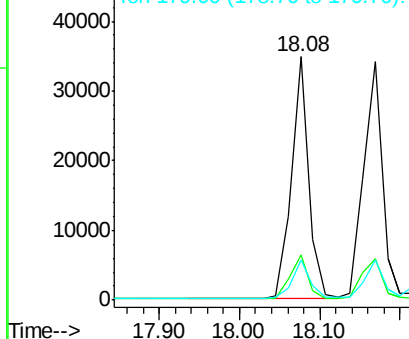


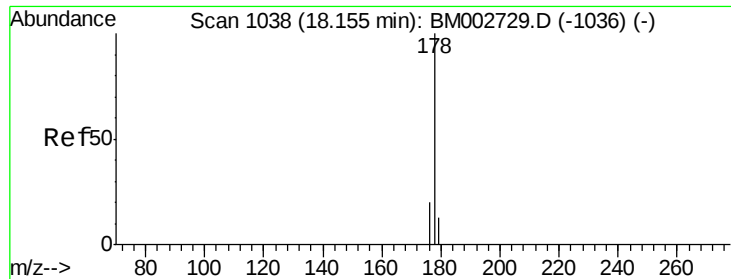
#14
 Phenanthrene
 Concen: 0.36 ng/ul
 RT: 18.08 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: BM002737.D
 Acq: 28 Sep 2015 17:15

Tgt Ion: 178 Resp: 51847
 Ion Ratio Lower Upper
 178 100
 176 18.7 16.2 24.4
 179 16.2 12.8 19.2



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: 0.42 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. 0.01 min

Lab File: BM002737.D

Acq: 28 Sep 2015 17:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.488

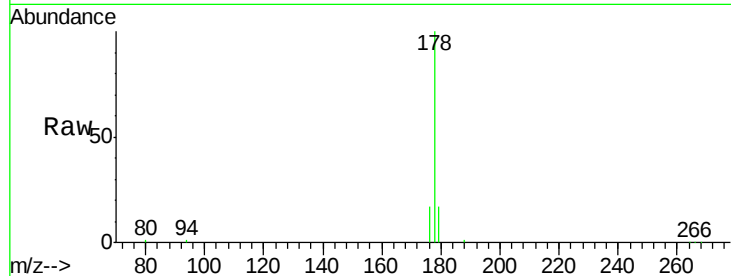
Tgt Ion:178 Resp: 55022

Ion Ratio Lower Upper

178 100

176 17.1 15.8 23.8

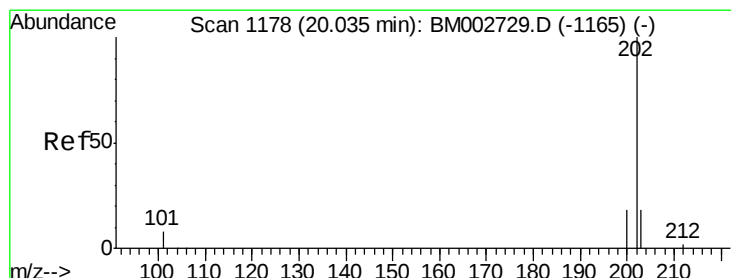
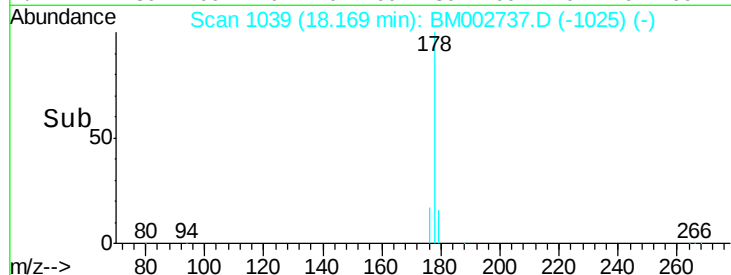
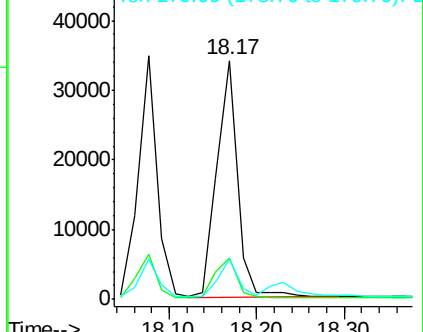
179 16.7 13.3 19.9



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: 0.38 ng/ul

RT: 20.04 min Scan# 1178

Delta R.T. 0.00 min

Lab File: BM002737.D

Acq: 28 Sep 2015 17:15

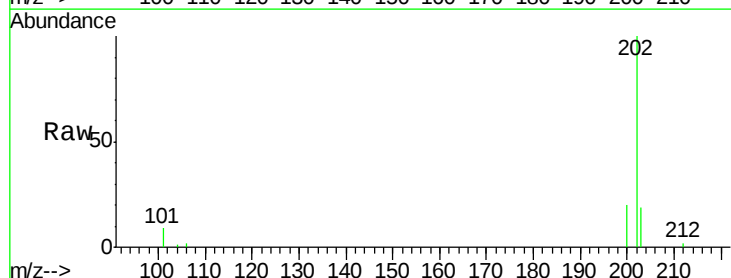
Tgt Ion:202 Resp: 58785

Ion Ratio Lower Upper

202 100

101 9.4 0.0 33.1

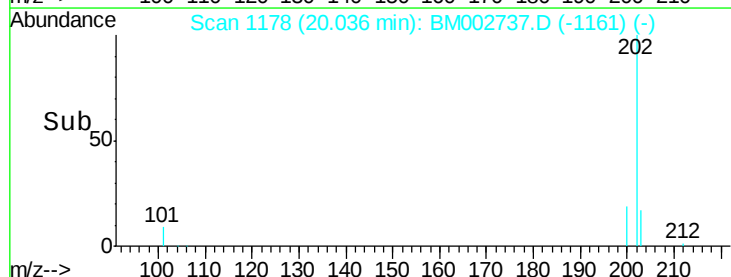
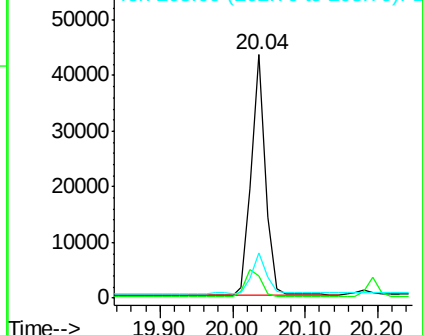
203 18.8 0.0 37.2

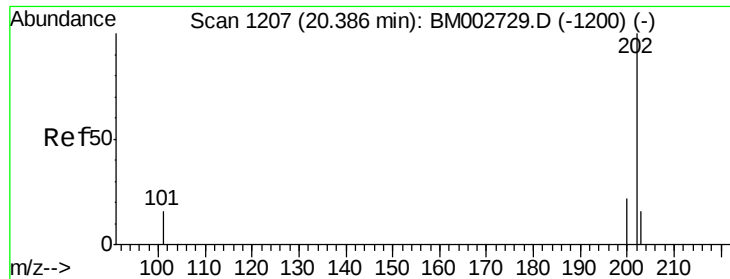


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

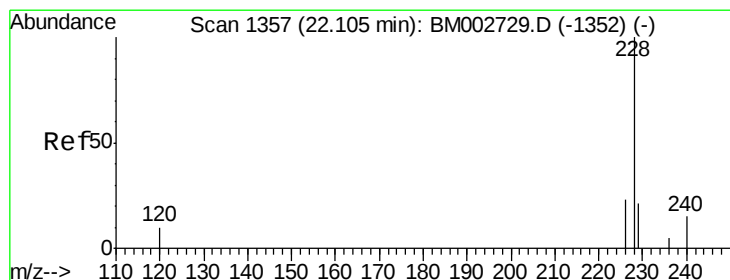
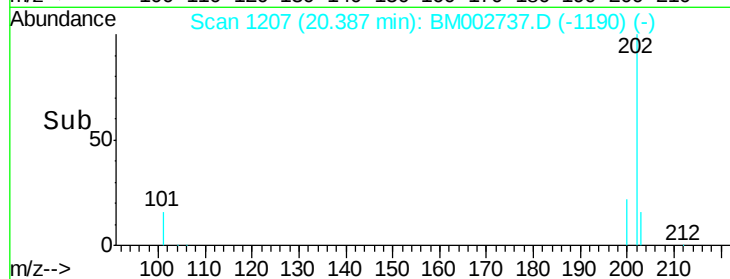
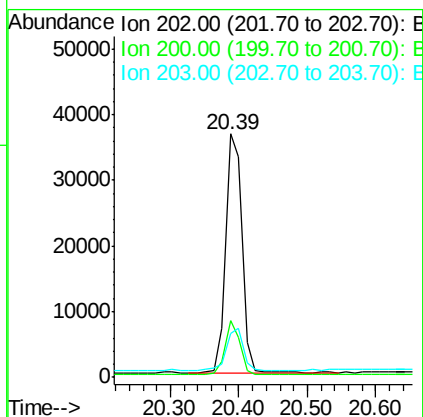
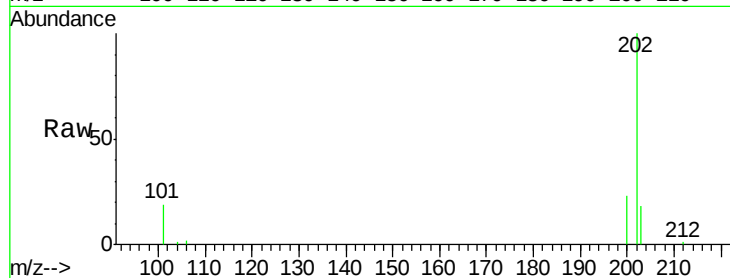




#19
Pyrene
Concen: 0.40 ng/ul
RT: 20.39 min Scan# 1207
Delta R.T. 0.00 min
Lab File: BM002737.D
Acq: 28 Sep 2015 17:15

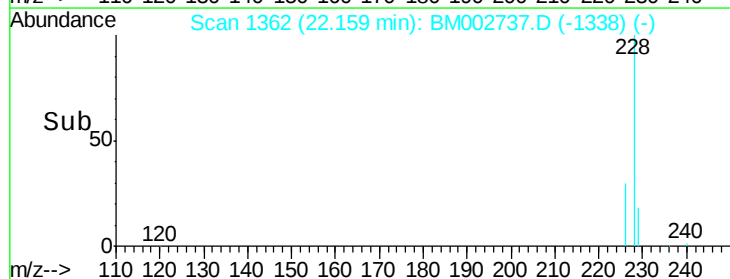
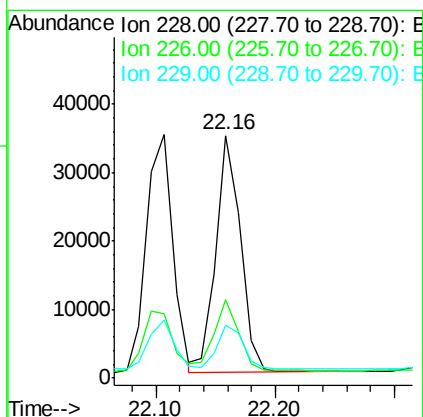
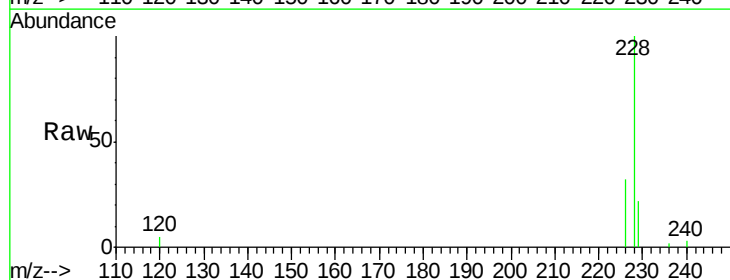
Instrument :
BNA_M
ClientSampleId :
SSTD0.488

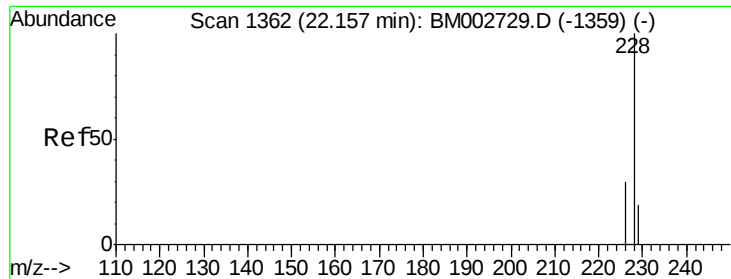
Tgt Ion:202 Resp: 60135
Ion Ratio Lower Upper
202 100
200 23.1 18.0 27.0
203 17.8 13.8 20.6



#20
Benzo(a)anthracene
Concen: 0.38 ng/ul
RT: 22.16 min Scan# 1362
Delta R.T. 0.05 min
Lab File: BM002737.D
Acq: 28 Sep 2015 17:15

Tgt Ion:228 Resp: 49803
Ion Ratio Lower Upper
228 100
226 32.2 23.0 34.4
229 21.9 15.2 22.8





#21

Chrysene

Concen: 0.40 ng/ul

RT: 22.16 min Scan# 1362

Delta R.T. 0.00 min

Lab File: BM002737.D

Acq: 28 Sep 2015 17:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.488

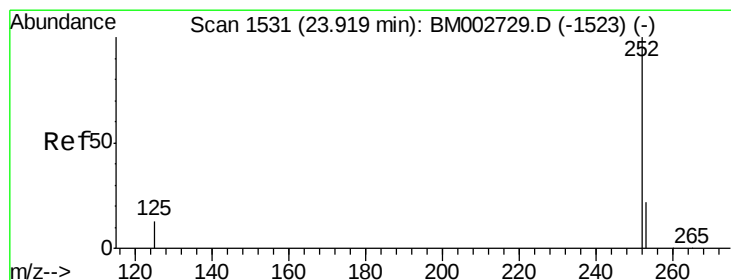
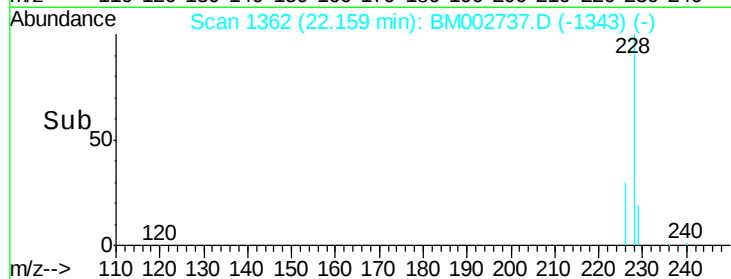
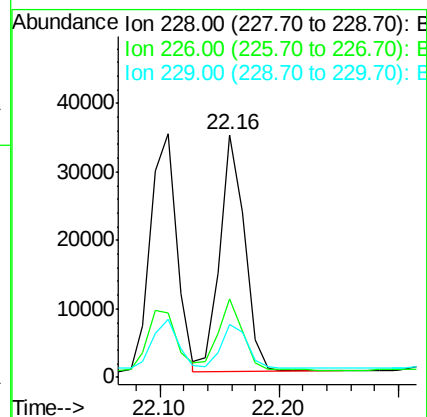
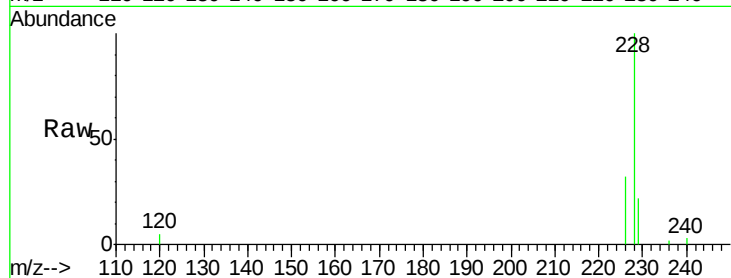
Tgt Ion:228 Resp: 49803

Ion Ratio Lower Upper

228 100

226 32.2 25.7 38.5

229 21.9 15.2 22.8



#23

Benzo(b)fluoranthene

Concen: 0.38 ng/ul

RT: 23.92 min Scan# 1531

Delta R.T. 0.00 min

Lab File: BM002737.D

Acq: 28 Sep 2015 17:15

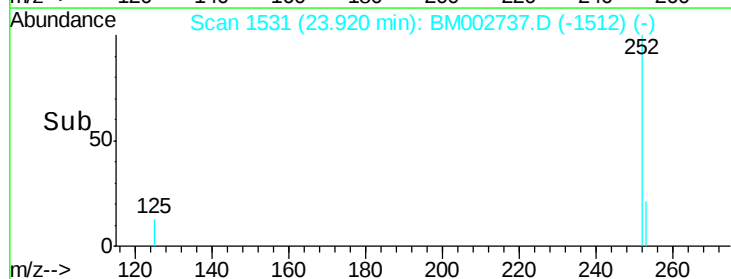
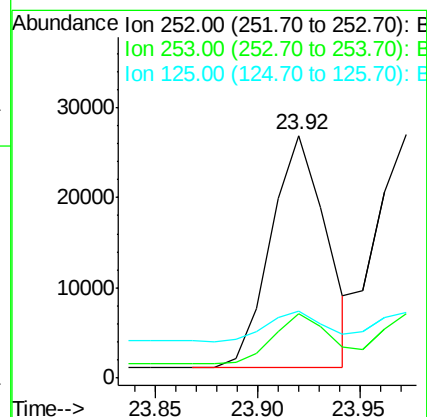
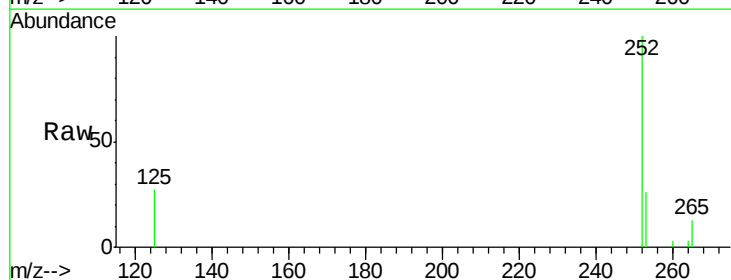
Tgt Ion:252 Resp: 48733

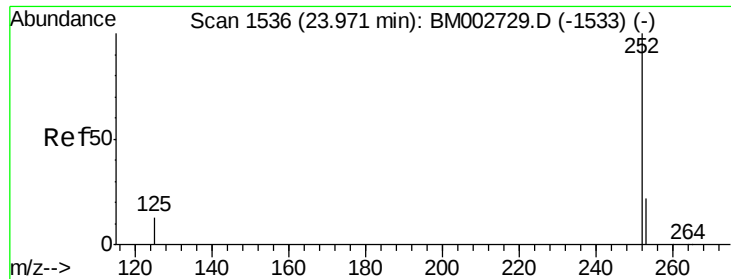
Ion Ratio Lower Upper

252 100

253 26.4 0.0 48.0

125 27.4 0.0 36.6





#24

Benzo(k)fluoranthene

Concen: 0.41 ng/ul

RT: 23.97 min Scan# 1536

Delta R.T. 0.00 min

Lab File: BM002737.D

Acq: 28 Sep 2015 17:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.488

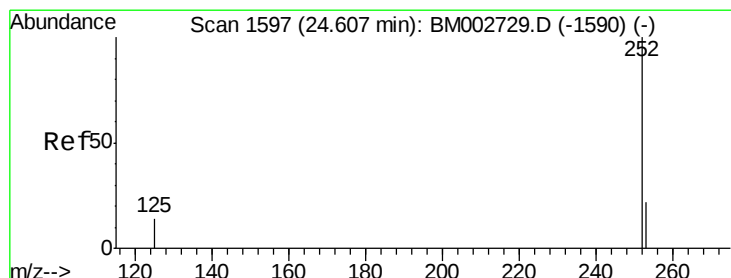
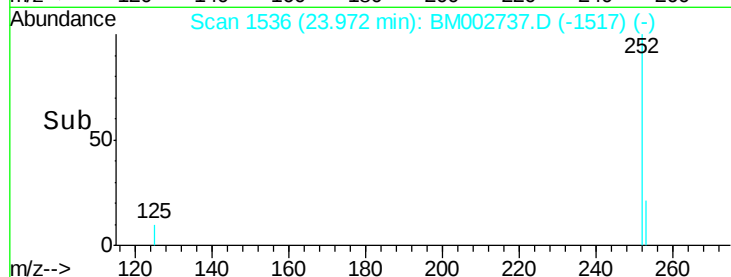
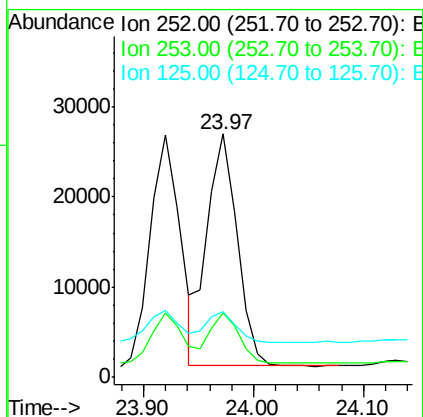
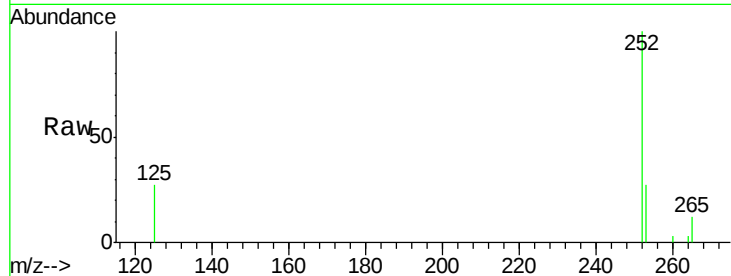
Tgt Ion:252 Resp: 49081

Ion Ratio Lower Upper

252 100

253 26.6 20.8 31.2

125 26.9 12.2 18.4#



#25

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 24.61 min Scan# 1597

Delta R.T. 0.00 min

Lab File: BM002737.D

Acq: 28 Sep 2015 17:15

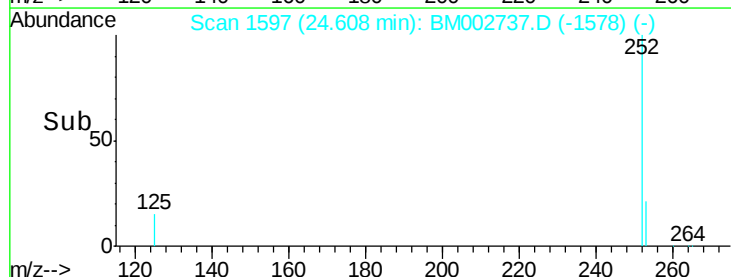
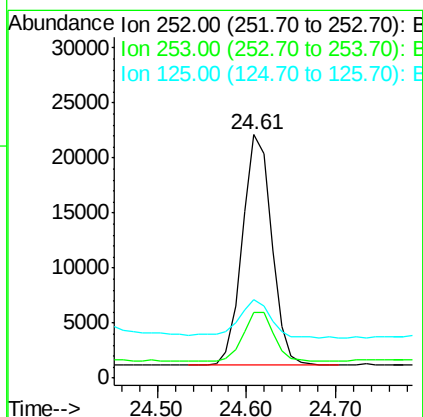
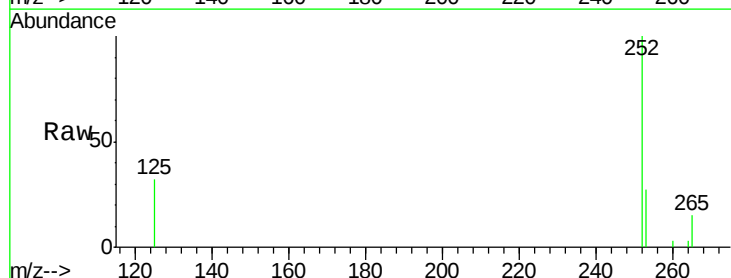
Tgt Ion:252 Resp: 47833

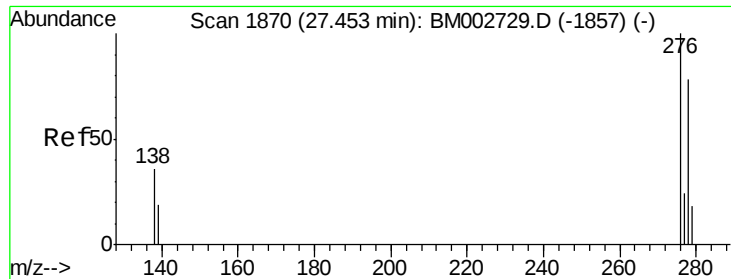
Ion Ratio Lower Upper

252 100

253 27.1 21.8 32.8

125 32.2 14.5 21.7#

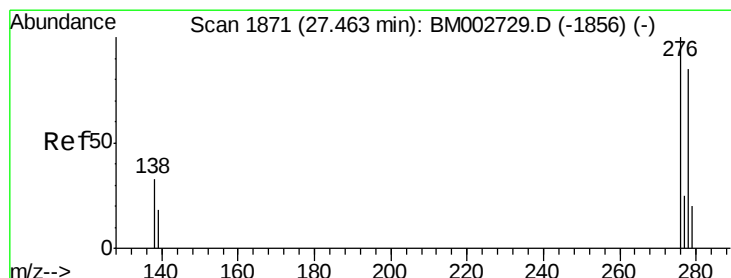
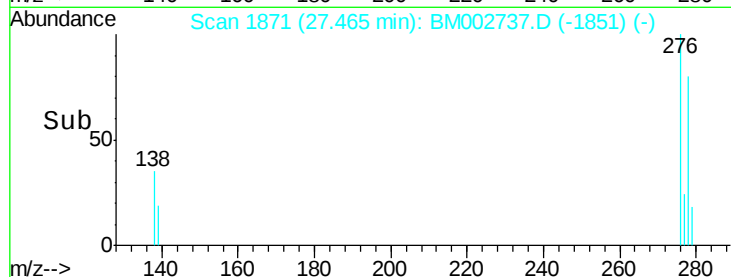
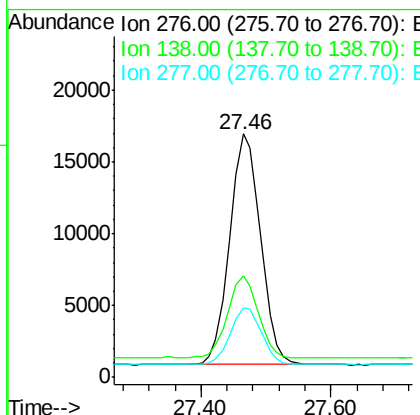
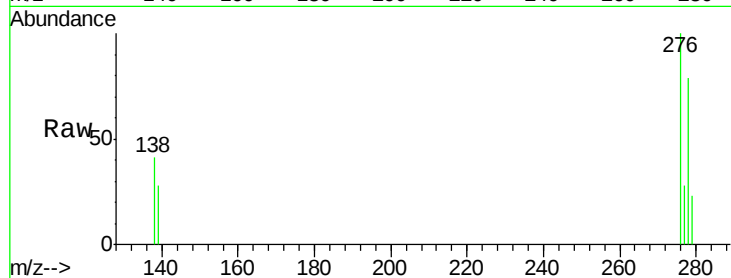




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.40 ng/ul
 RT: 27.46 min Scan# 1871
 Delta R.T. 0.01 min
 Lab File: BM002737.D
 Acq: 28 Sep 2015 17:15

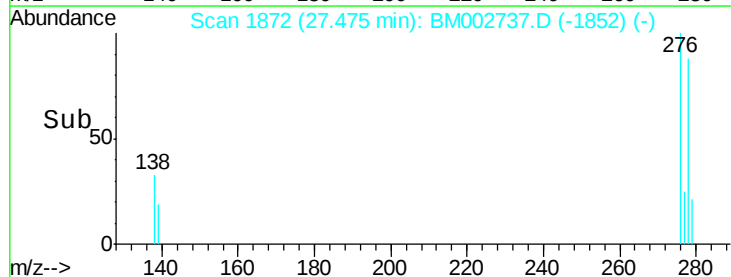
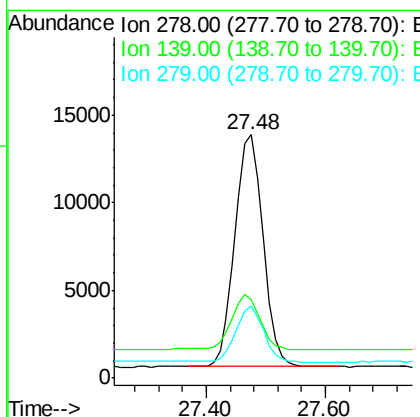
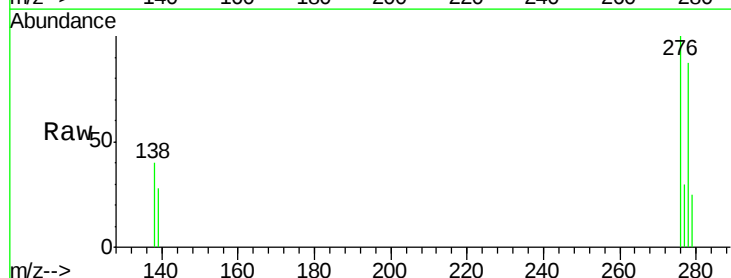
Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.488

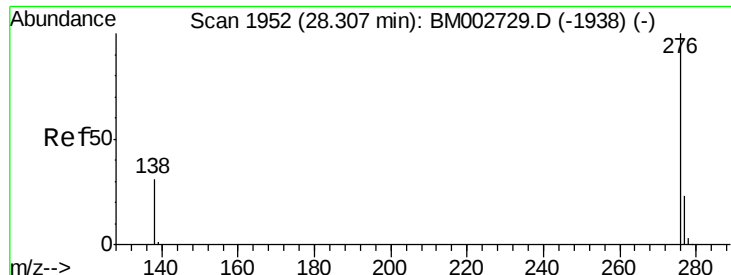
Tgt Ion: 276 Resp: 52780
 Ion Ratio Lower Upper
 276 100
 138 35.6 27.5 41.3
 277 25.0 19.3 28.9



#27
 Dibenzo(a,h)anthracene
 Concen: 0.40 ng/ul
 RT: 27.48 min Scan# 1872
 Delta R.T. 0.01 min
 Lab File: BM002737.D
 Acq: 28 Sep 2015 17:15

Tgt Ion: 278 Resp: 43342
 Ion Ratio Lower Upper
 278 100
 139 32.1 21.7 32.5
 279 29.4 21.9 32.9





#28

Benzo(g,h,i)perylene

Concen: 0.40 ng/ul

RT: 28.32 min Scan# 1953

Delta R.T. 0.01 min

Lab File: BM002737.D

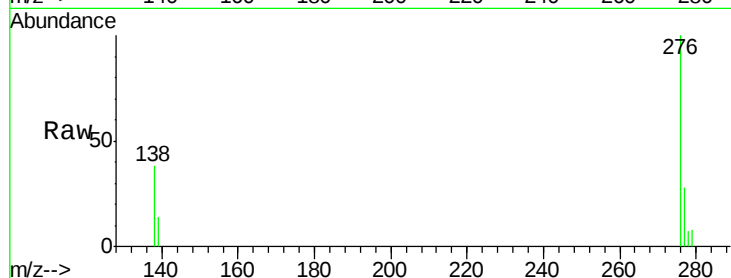
Acq: 28 Sep 2015 17:15

Instrument :

BNA_M

ClientSampleId :

SSTD0.488



Tgt Ion: 276 Resp: 44931

Ion Ratio Lower Upper

276 100

277 28.4 21.3 31.9

138 38.5 25.5 38.3#

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

