

Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
 Data File : BM003188.D
 Acq On : 19 Nov 2015 11:47
 Operator : UM/IZ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.453

Quant Time: Nov 20 02:39:46 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 19 03:20:59 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14936	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	55491	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	27300	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	58023	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	62460	0.40	ng/ul	0.00
22) Perylene-d12	23.60	264	58650	0.40	ng/ul	0.02

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	15738	0.99	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	31141	0.41	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	62338	0.44	ng/ul	0.00

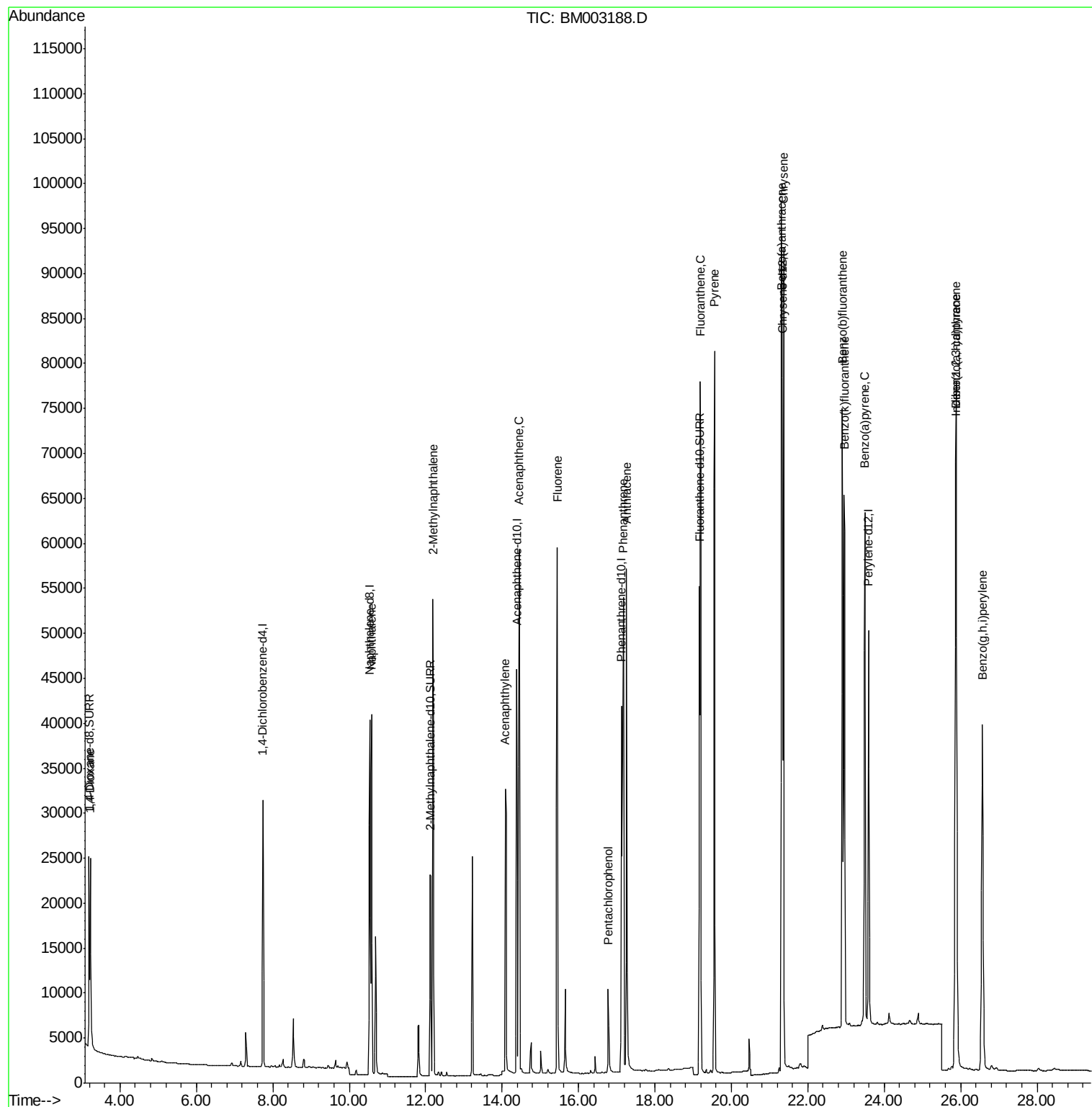
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.23	88	18028	0.99	ng/ul#	100
5) Naphthalene	10.58	128	57702	0.41	ng/ul	99
7) 2-Methylnaphthalene	12.19	142	38538	0.42	ng/ul#	100
9) Acenaphthylene	14.09	152	50001	0.44	ng/ul	100
10) Acenaphthene	14.45	153	39390	0.41	ng/ul	97
11) Fluorene	15.44	166	43387	0.42	ng/ul	97
13) Pentachlorophenol	16.78	266	7717	0.56	ng/ul#	18
14) Phenanthrene	17.17	178	70248	0.42	ng/ul	98
15) Anthracene	17.26	178	63032	0.45	ng/ul	99
17) Fluoranthene	19.19	202	81170	0.43	ng/ul	93
19) Pyrene	19.57	202	83248	0.39	ng/ul	93
20) Benzo(a)anthracene	21.31	228	80971	0.45	ng/ul#	92
21) Chrysene	21.36	228	79532	0.39	ng/ul	92
23) Benzo(b)fluoranthene	22.91	252	84574	0.38	ng/ul	99
24) Benzo(k)fluoranthene	22.95	252	80305	0.38	ng/ul	95
25) Benzo(a)pyrene	23.49	252	80959	0.41	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.87	276	92215	0.39	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.89	278	74271	0.39	ng/ul	99
28) Benzo(g,h,i)perylene	26.57	276	79117	0.38	ng/ul	99

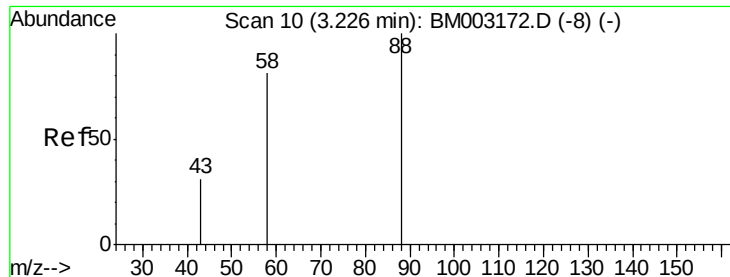
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA M\Data\BM111915\
Data File : BM003188.D
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#3

1,4-Dioxane

Concen: 0.99 ng/ul

RT: 3.23 min Scan# 10

Delta R.T. -0.00 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

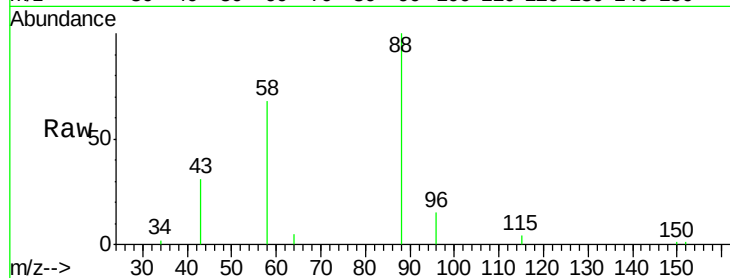
Tot Ion: 88 Resp: 18028

Ion Ratio Lower Upper

88 100

58 58.1 0.0 0.0#

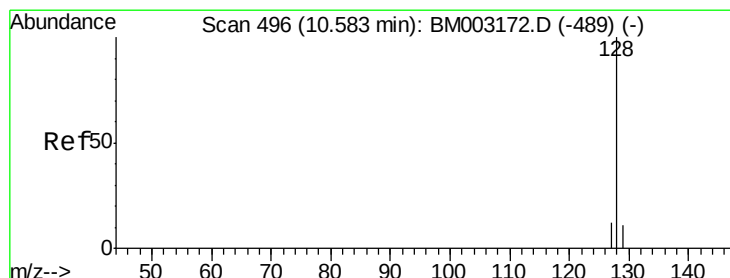
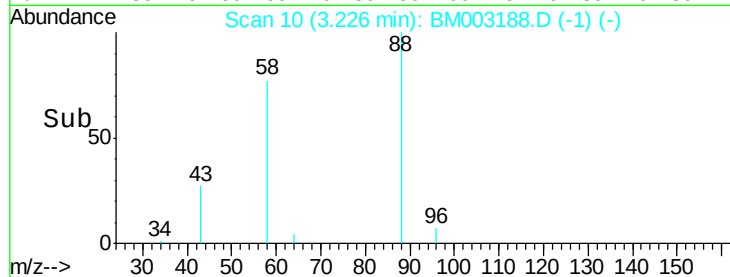
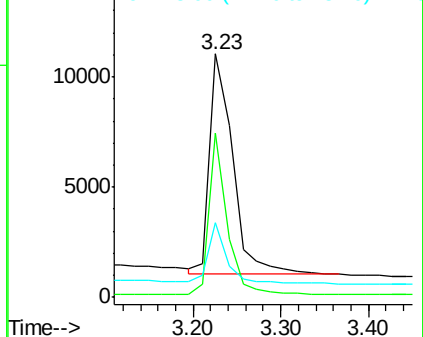
43 23.5 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003172.D (-8) (-)

Ion 58.00 (57.70 to 58.70): BM003172.D (-8) (-)

Ion 43.00 (42.70 to 43.70): BM003172.D (-8) (-)



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

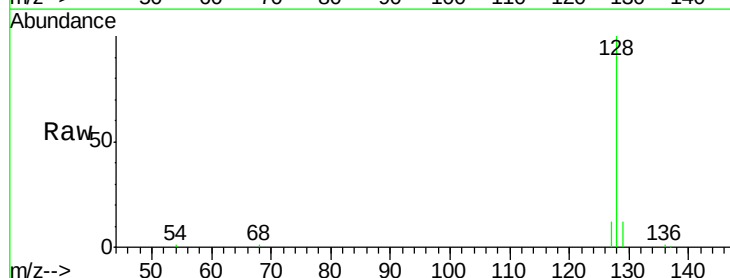
Tgt Ion: 128 Resp: 57702

Ion Ratio Lower Upper

128 100

129 11.7 9.0 13.6

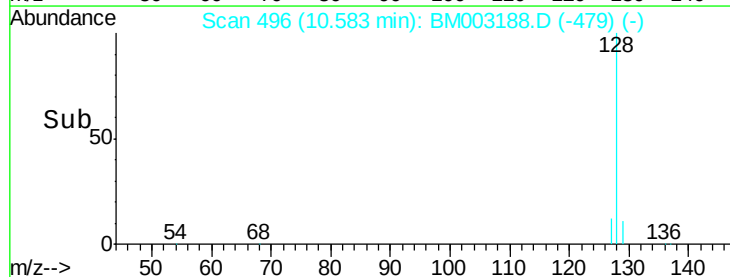
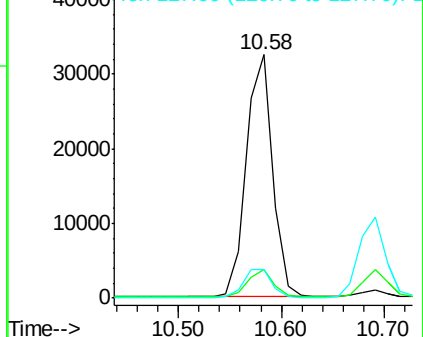
127 12.0 9.6 14.4

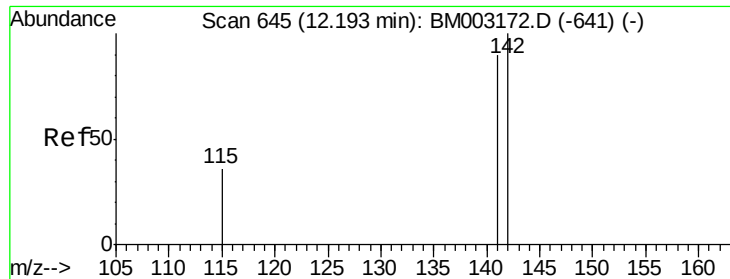


Abundance Ion 128.00 (127.70 to 128.70): BM003172.D (-489) (-)

Ion 129.00 (128.70 to 129.70): BM003172.D (-489) (-)

Ion 127.00 (126.70 to 127.70): BM003172.D (-489) (-)





#7

2-Methylnaphthalene

Concen: 0.42 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. -0.00 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

Instrument :

BNA_M

ClientSampleId :

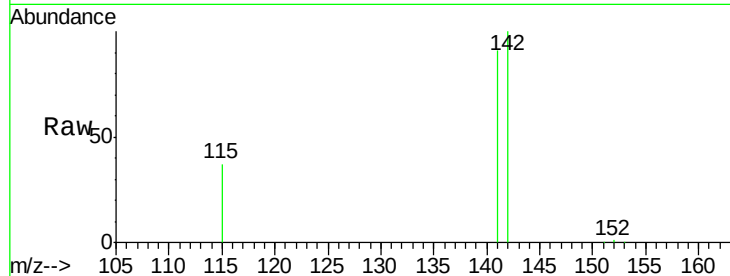
SSTD0.453

Tot Ion:142 Resp: 38538

Ion Ratio Lower Upper

142 100

141 88.2 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

25000

20000

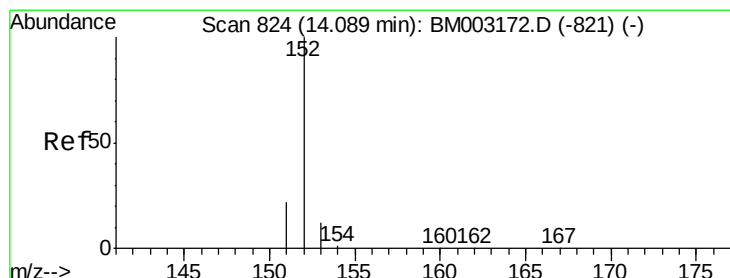
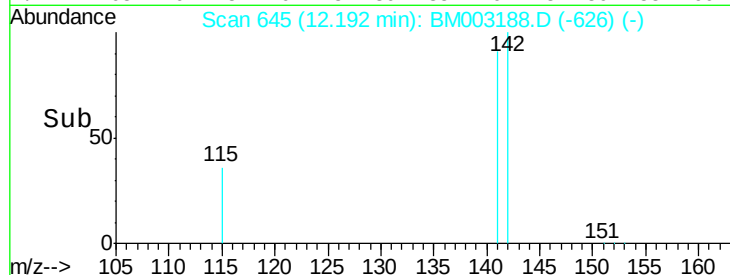
15000

10000

5000

0

Time--> 12.10 12.20 12.30 12.40



#9

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

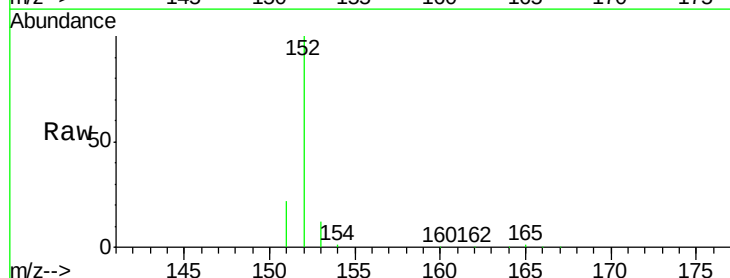
Tgt Ion:152 Resp: 50001

Ion Ratio Lower Upper

152 100

151 22.1 17.6 26.4

153 11.8 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

30000

25000

20000

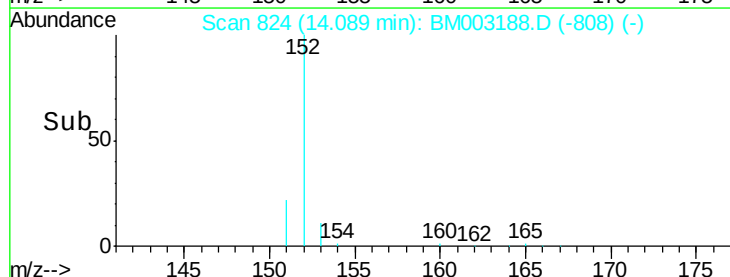
15000

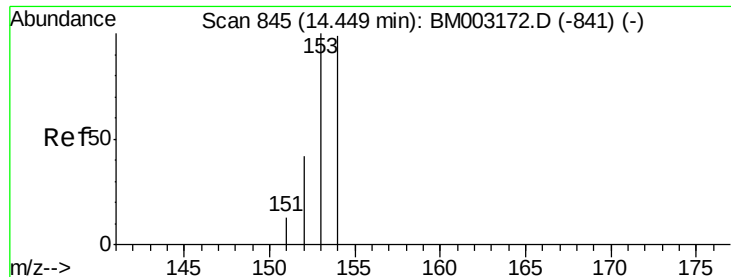
10000

5000

0

Time--> 14.00 14.10 14.20





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. -0.00 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

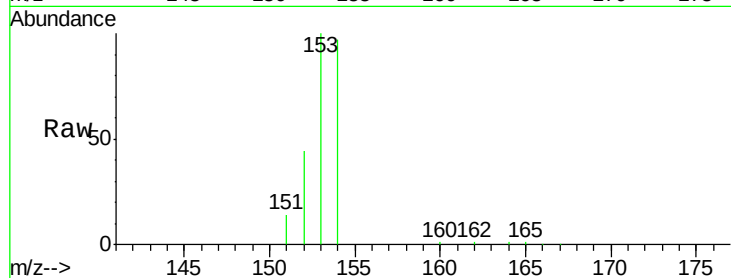
Tot Ion:153 Resp: 39390

Ion Ratio Lower Upper

153 100

152 43.6 33.9 50.9

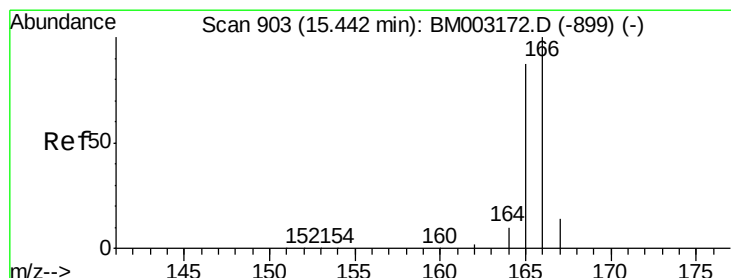
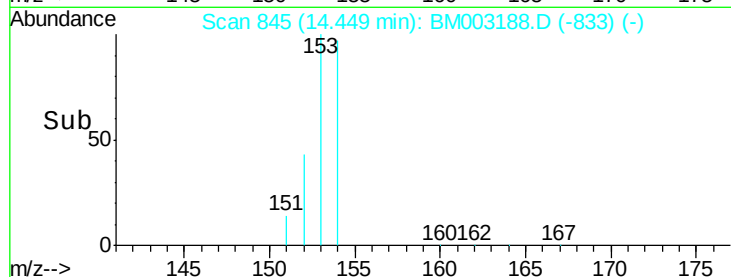
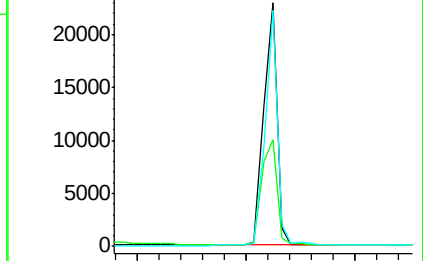
154 97.1 80.6 121.0



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: 0.42 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. -0.00 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

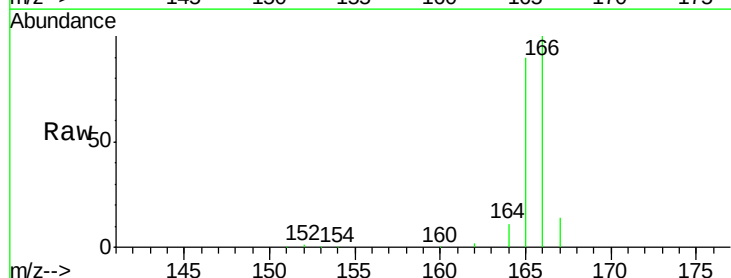
Tgt Ion:166 Resp: 43387

Ion Ratio Lower Upper

166 100

165 89.7 69.6 104.4

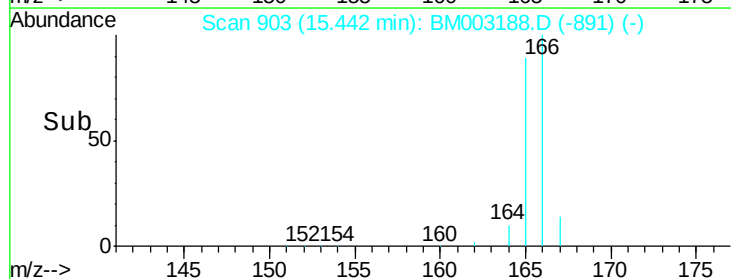
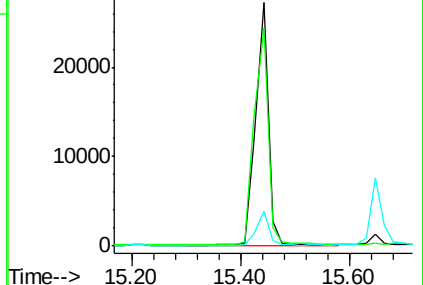
167 14.5 11.9 17.9

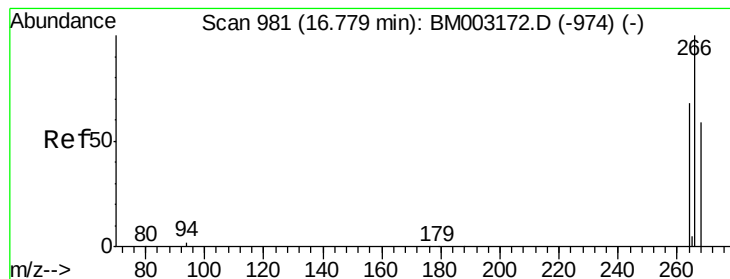


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

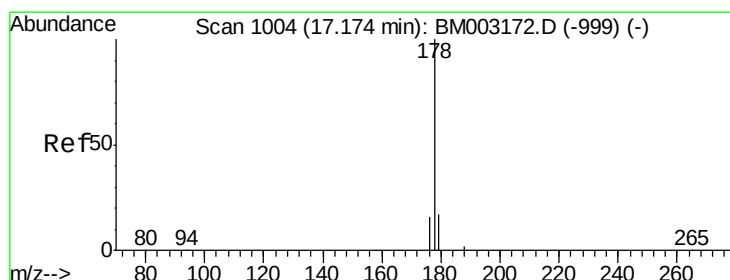
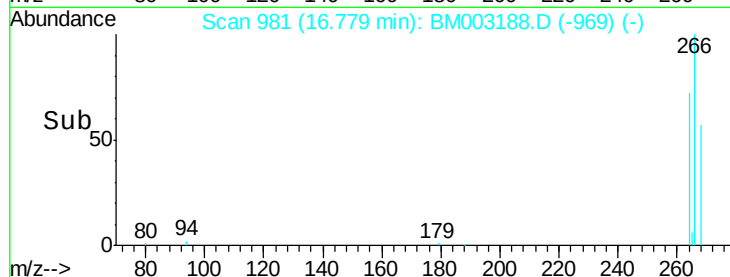
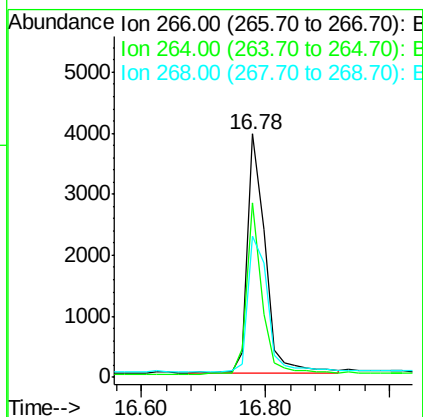
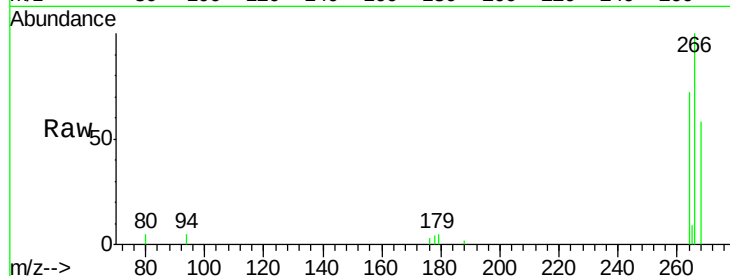




#13
 Pentachlorophenol
 Concen: 0.56 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003188.D
 Acq: 19 Nov 2015 11:47

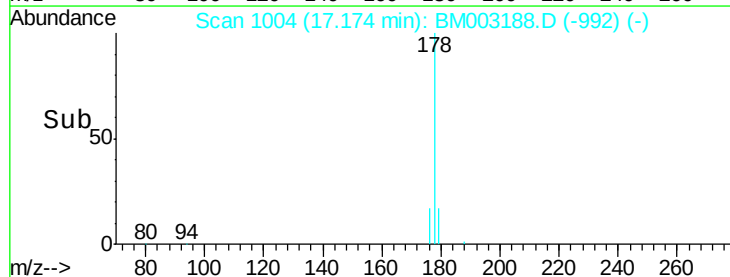
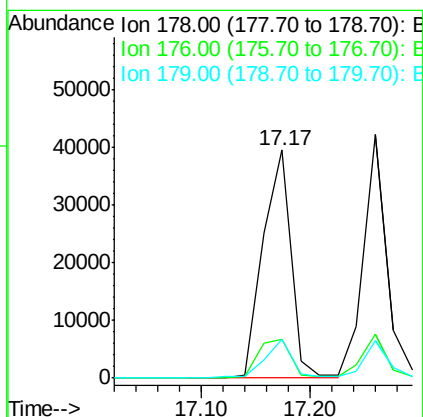
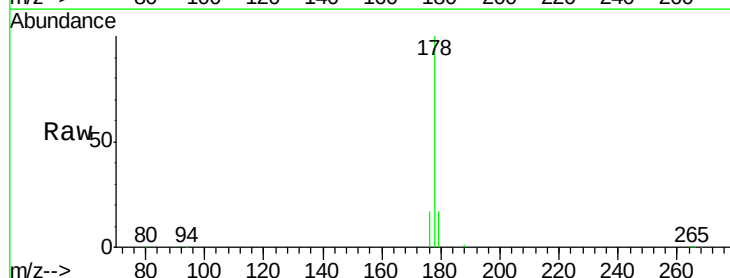
Instrument :
 BNA_M
 ClientSampleId :
 SST0.453

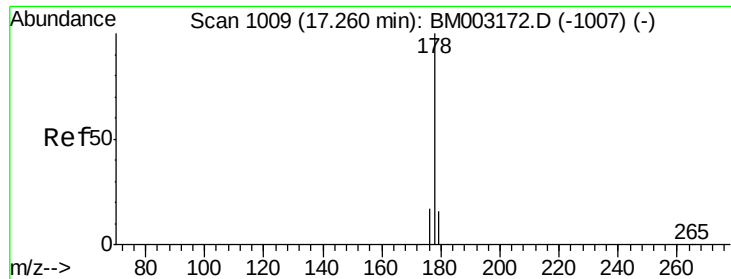
Tot Ion:266 Resp: 7717
 Ion Ratio Lower Upper
 266 100
 264 62.3 0.3 0.5#
 268 63.2 0.0 0.0#



#14
 Phenanthrene
 Concen: 0.42 ng/ul
 RT: 17.17 min Scan# 1004
 Delta R.T. -0.00 min
 Lab File: BM003188.D
 Acq: 19 Nov 2015 11:47

Tgt Ion:178 Resp: 70248
 Ion Ratio Lower Upper
 178 100
 176 17.0 13.0 19.4
 179 17.1 14.2 21.2





#15

Anthracene

Concen: 0.45 ng/ul

RT: 17.26 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

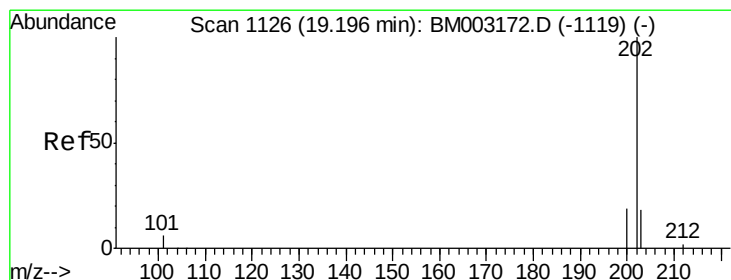
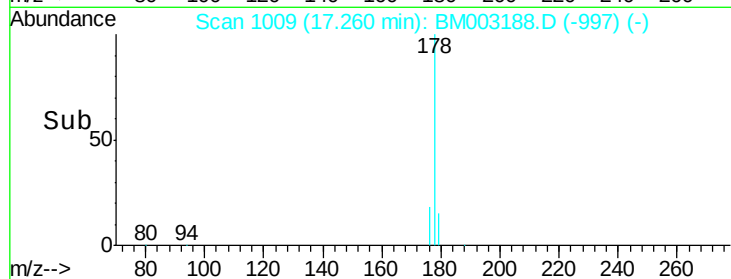
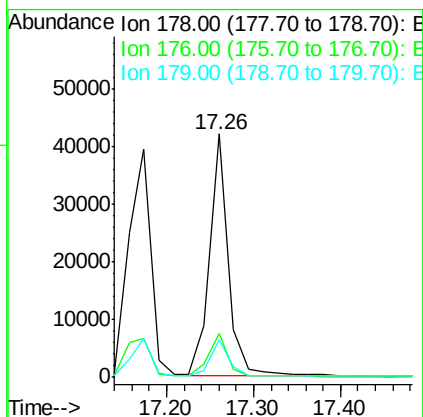
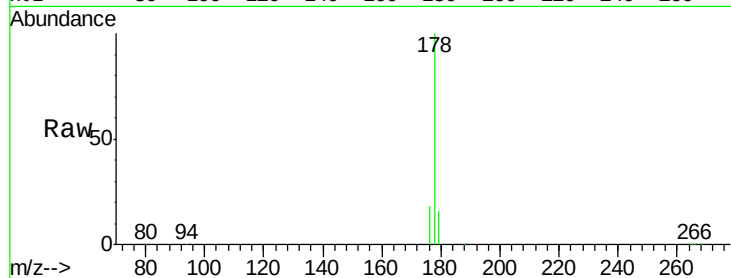
Tot Ion:178 Resp: 63032

Ion Ratio Lower Upper

178 100

176 18.2 14.0 21.0

179 15.6 12.9 19.3



#17

Fluoranthene

Concen: 0.43 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. -0.01 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

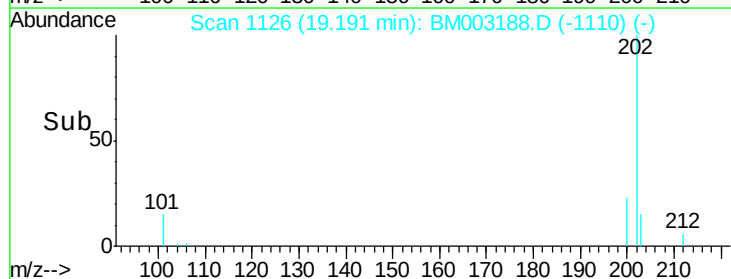
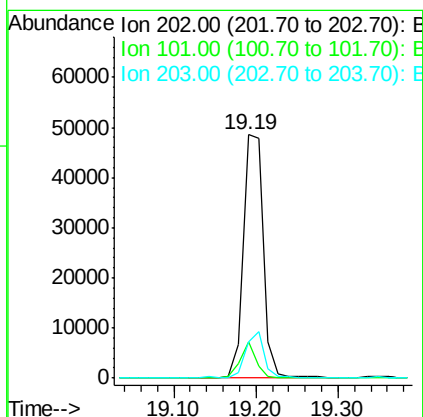
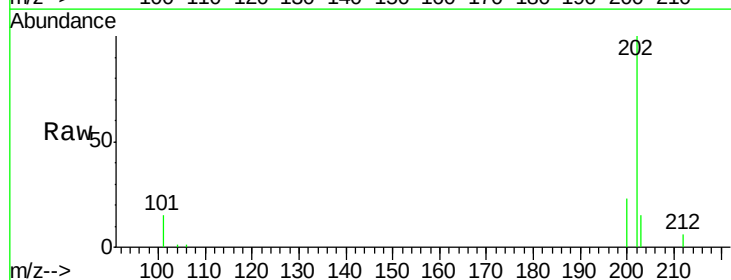
Tgt Ion:202 Resp: 81170

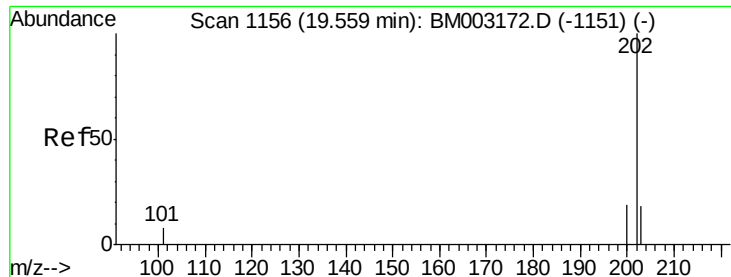
Ion Ratio Lower Upper

202 100

101 14.9 0.0 29.6

203 15.0 0.0 36.3





#19

Pvrene

Concen: 0.39 ng/ul

RT: 19.57 min Scan# 1157

Delta R.T. 0.01 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

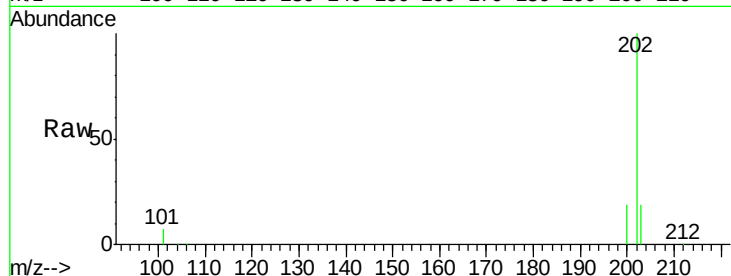
Tot Ion:202 Resp: 83248

Ion Ratio Lower Upper

202 100

200 18.8 17.8 26.8

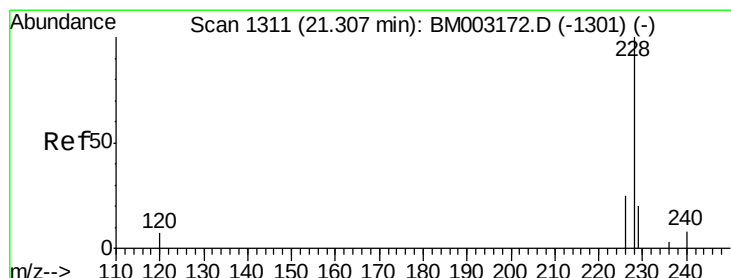
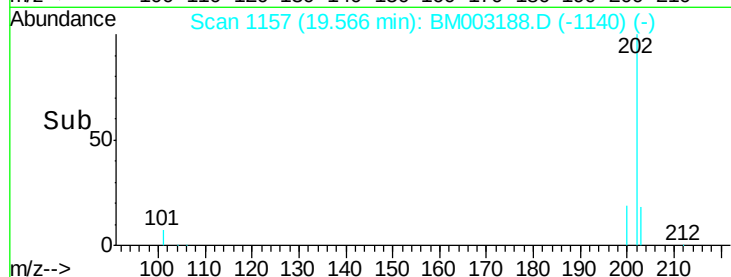
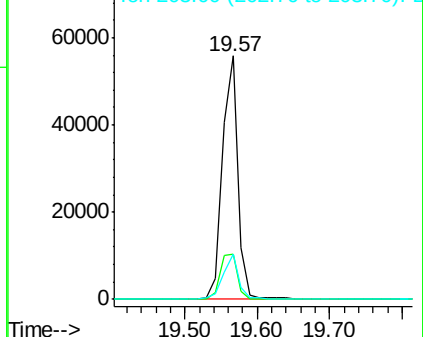
203 18.6 12.8 19.2



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: 0.45 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.01 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

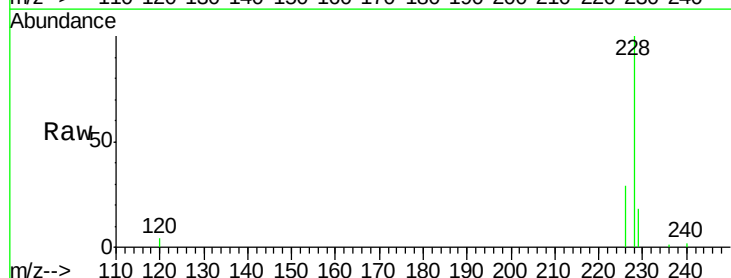
Tgt Ion:228 Resp: 80971

Ion Ratio Lower Upper

228 100

226 28.6 18.8 28.2#

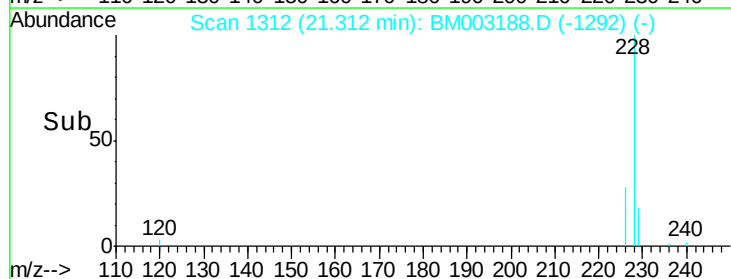
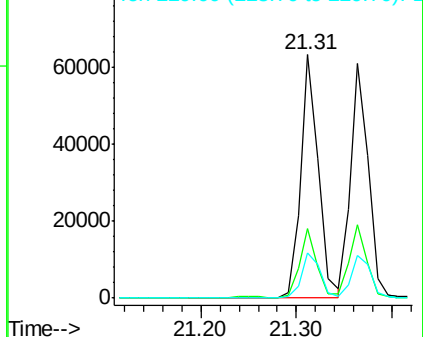
229 18.5 17.1 25.7

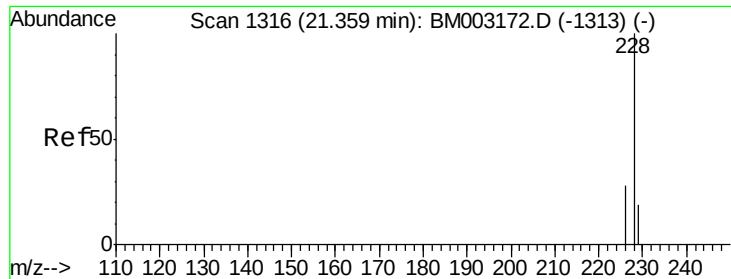


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.39 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

Instrument :

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SSTD0.453

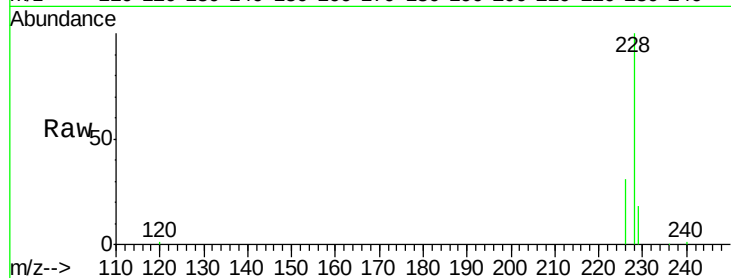
Tot Ion:228 Resp: 79532

Ion Ratio Lower Upper

228 100

226 31.2 21.2 31.8

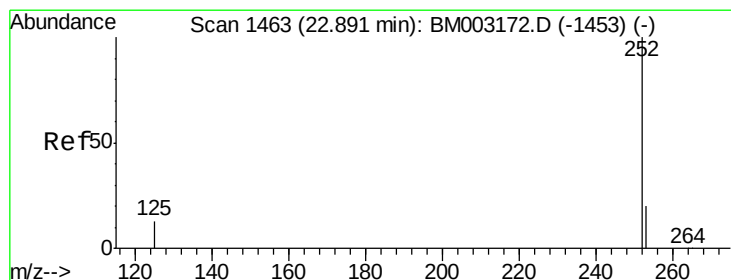
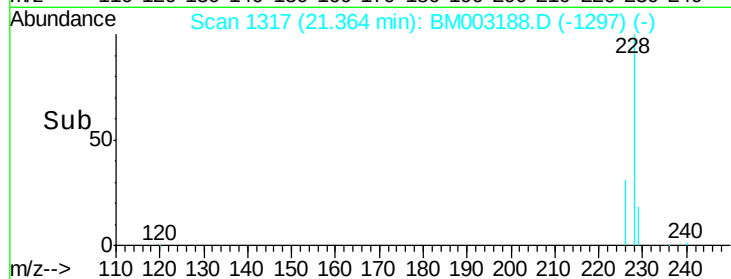
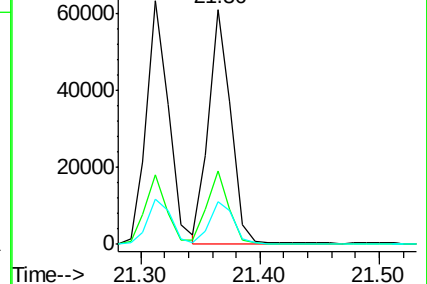
229 18.4 17.0 25.6



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: 0.38 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. 0.02 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

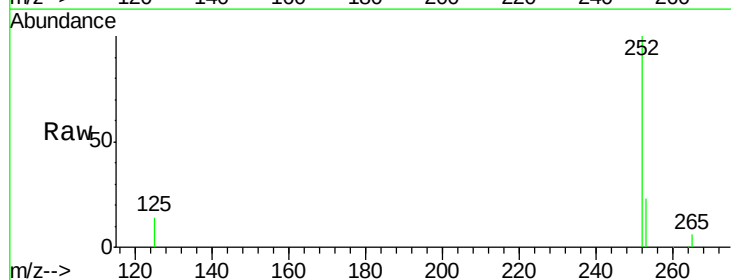
Tgt Ion:252 Resp: 84574

Ion Ratio Lower Upper

252 100

253 22.5 0.0 45.4

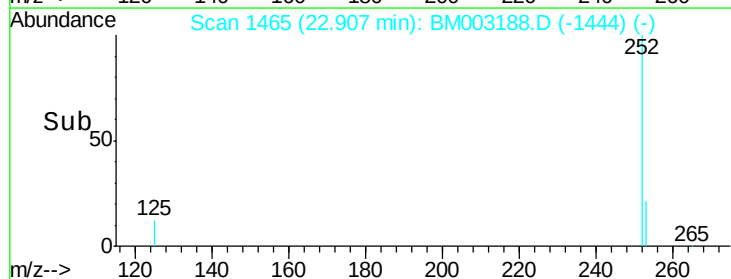
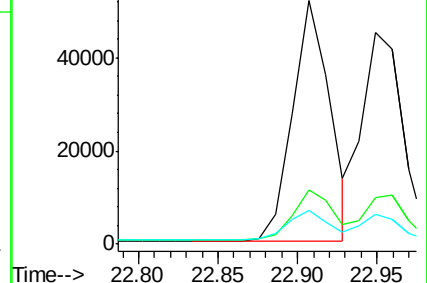
125 14.0 0.0 28.8

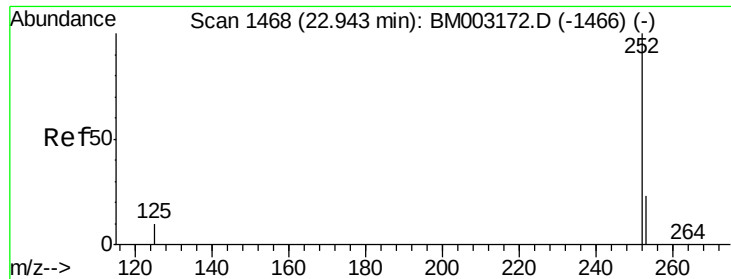


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.38 ng/ul

RT: 22.95 min Scan# 1469

Delta R.T. 0.01 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

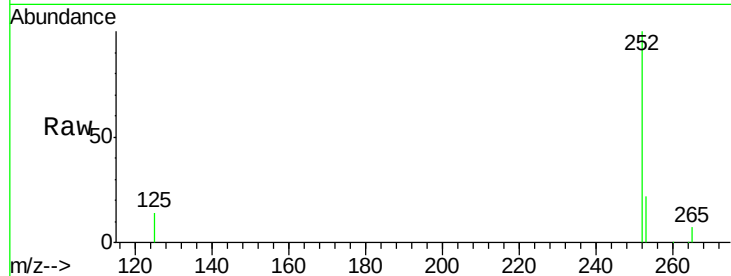
Tot Ion:252 Resp: 80305

Ion Ratio Lower Upper

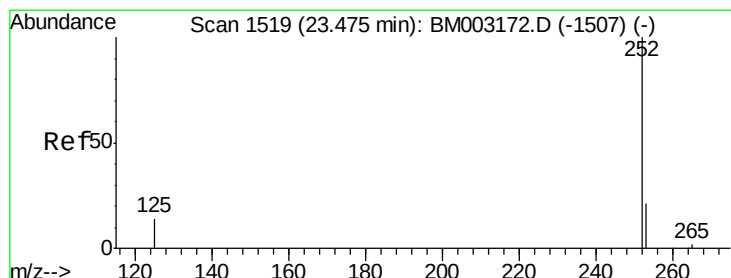
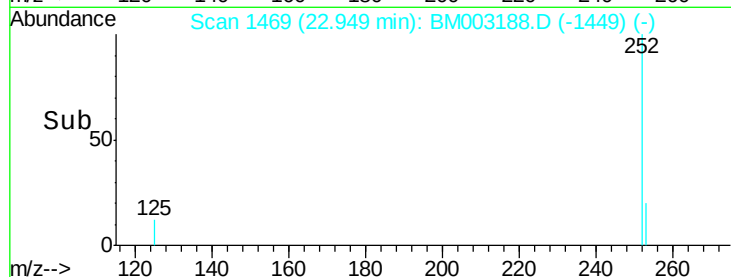
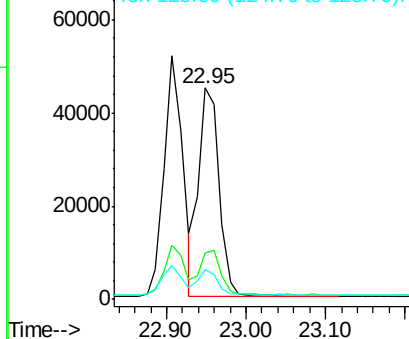
252 100

253 22.1 19.8 29.8

125 14.2 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: 0.41 ng/ul

RT: 23.49 min Scan# 1521

Delta R.T. 0.02 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

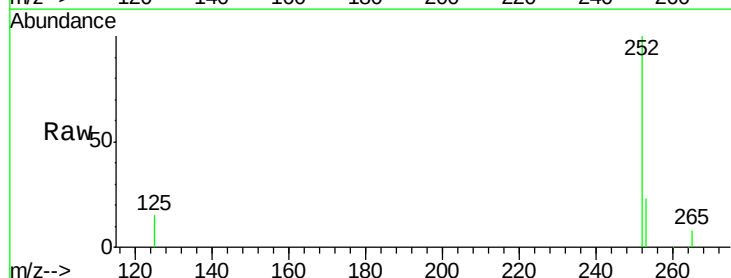
Tgt Ion:252 Resp: 80959

Ion Ratio Lower Upper

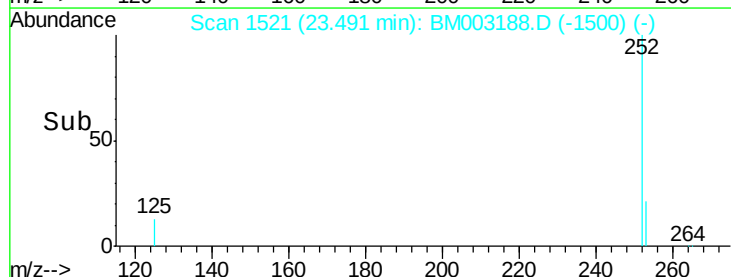
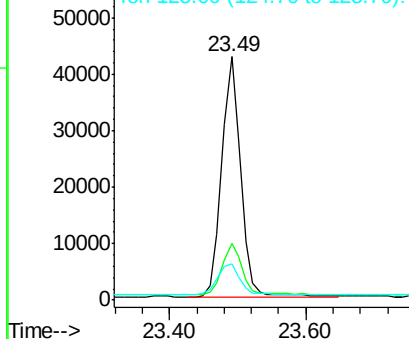
252 100

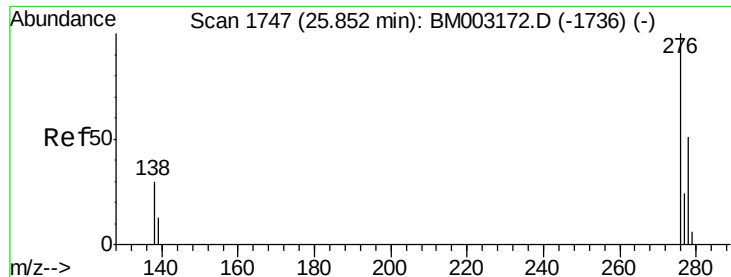
253 23.3 19.4 29.2

125 15.1 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

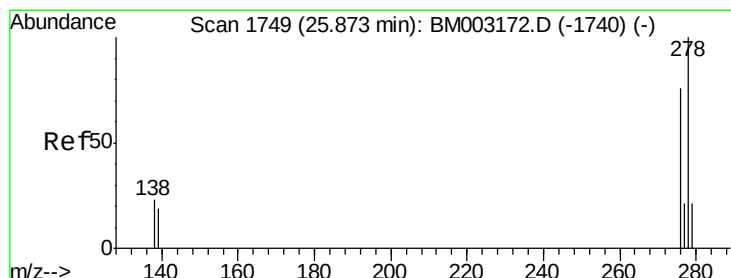
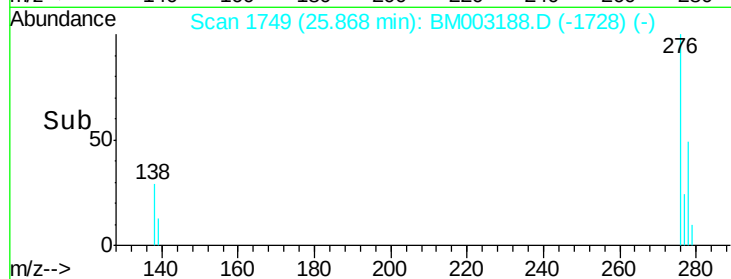
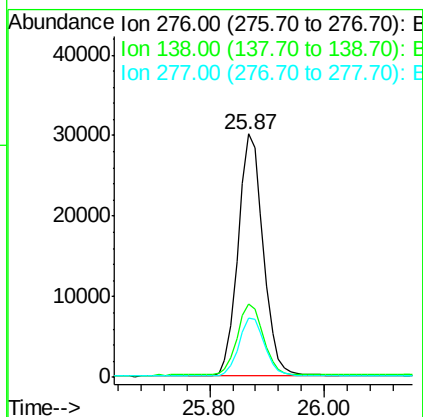
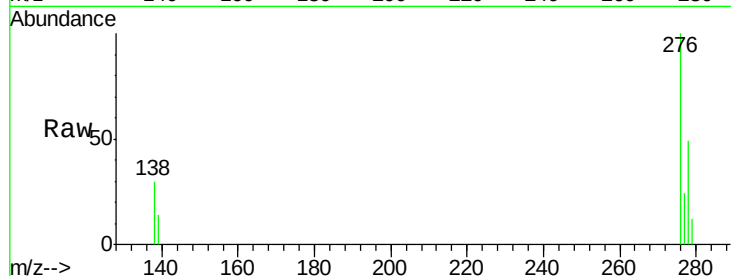




#26
 Indeno(1,2,3-cd)pyrene
 Concen: 0.39 ng/ul
 RT: 25.87 min Scan# 1749
 Delta R.T. 0.02 min
 Lab File: BM003188.D
 Acq: 19 Nov 2015 11:47

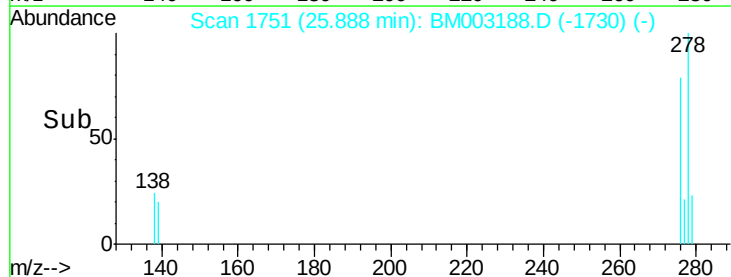
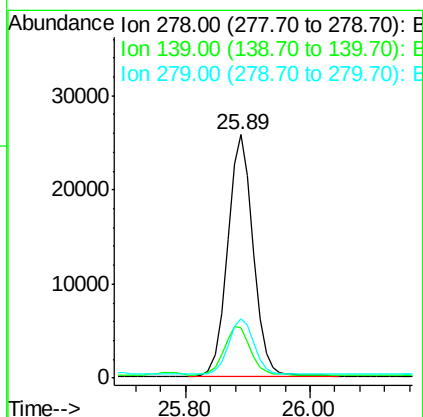
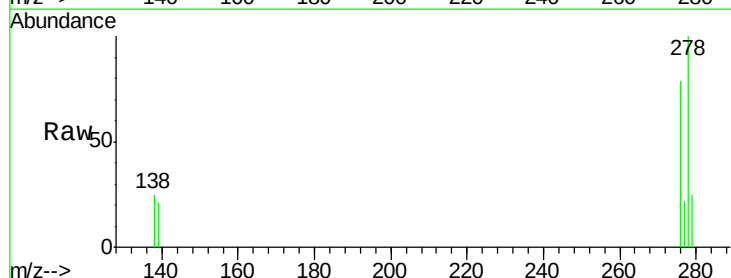
Instrument :
 BNA_M
 ClientSampleId :
 SST0.453

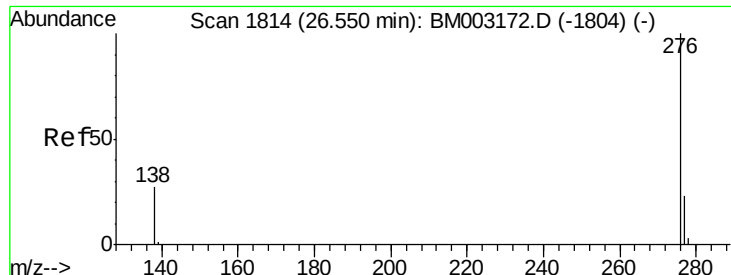
Tot Ion:276 Resp: 92215
 Ion Ratio Lower Upper
 276 100
 138 30.2 0.0 0.0#
 277 24.7 0.0 0.0#



#27
 Dibenzo(a,h)anthracene
 Concen: 0.39 ng/ul
 RT: 25.89 min Scan# 1751
 Delta R.T. 0.02 min
 Lab File: BM003188.D
 Acq: 19 Nov 2015 11:47

Tgt Ion:278 Resp: 74271
 Ion Ratio Lower Upper
 278 100
 139 20.6 16.4 24.6
 279 24.5 20.2 30.2





#28

Benzo(a,h,i)perylene

Concen: 0.38 ng/ul

RT: 26.57 min Scan# 1816

Delta R.T. 0.02 min

Lab File: BM003188.D

Acq: 19 Nov 2015 11:47

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

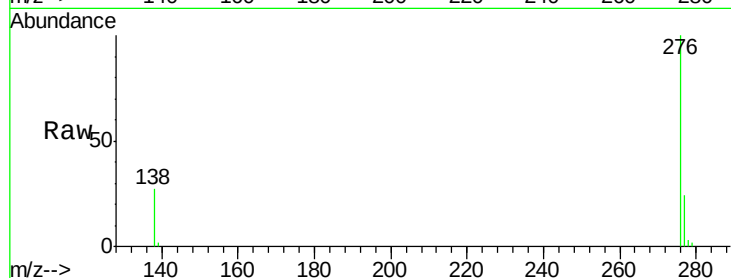
Tot Ion: 276 Resp: 79117

Ion Ratio Lower Upper

276 100

277 23.9 18.9 28.3

138 27.5 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

