

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112015\
 Data File : BM003224.D
 Acq On : 20 Nov 2015 16:56
 Operator : UM/IZ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.457

Quant Time: Nov 21 03:31:15 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 : Sat Nov 21 03:26:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	14393	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	54074	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	26818	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	56836	0.40	ng/ul	0.00
18) Chrysene-d12	21.33	240	57772	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	55485	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	14794	0.96	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	30360	0.41	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	59624	0.43	ng/ul	0.00

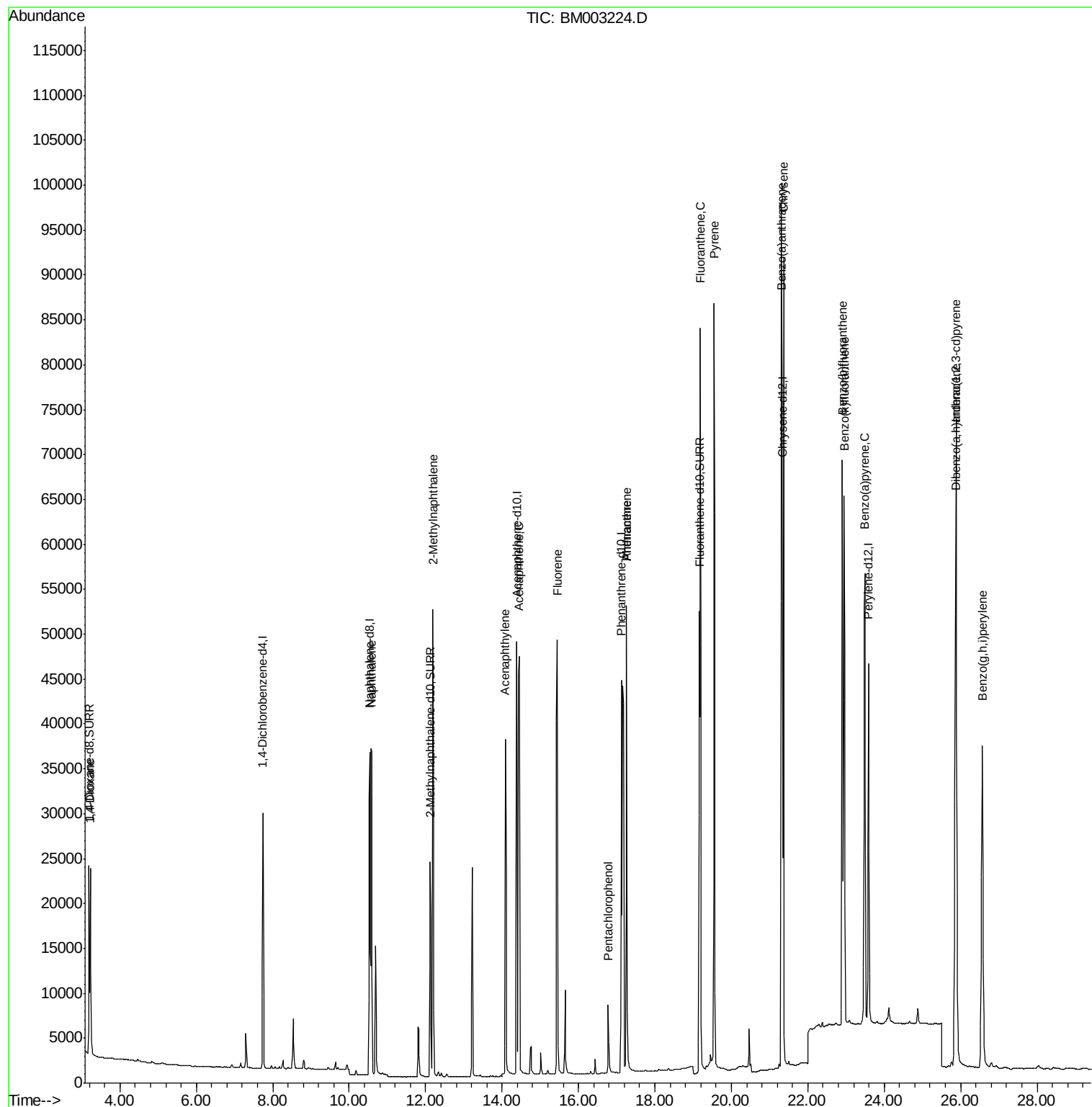
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.23	88	16964	0.97	ng/ul#	100
5) Naphthalene	10.58	128	56425	0.41	ng/ul	99
7) 2-Methylnaphthalene	12.19	142	37711	0.42	ng/ul#	100
9) Acenaphthylene	14.09	152	49463	0.44	ng/ul	99
10) Acenaphthene	14.45	153	38670	0.41	ng/ul	100
11) Fluorene	15.44	166	42308	0.41	ng/ul	100
13) Pentachlorophenol	16.78	266	5915	0.44	ng/ul	96
14) Phenanthrene	17.26	178	59647	0.36	ng/ul	97
15) Anthracene	17.26	178	61693	0.45	ng/ul	99
17) Fluoranthene	19.19	202	77620	0.42	ng/ul	98
19) Pyrene	19.55	202	84044	0.42	ng/ul	99
20) Benzo(a)anthracene	21.31	228	76875	0.46	ng/ul	95
21) Chrysene	21.36	228	75919	0.40	ng/ul	97
23) Benzo(b)fluoranthene	22.91	252	82621	0.39	ng/ul	98
24) Benzo(k)fluoranthene	22.95	252	72825	0.36	ng/ul	97
25) Benzo(a)pyrene	23.49	252	76003	0.41	ng/ul	99
26) Indeno(1,2,3-cd)pyrene	25.87	276	86896	0.39	ng/ul#	90
27) Dibenzo(a,h)anthracene	25.89	278	69508	0.38	ng/ul	99
28) Benzo(g,h,i)perylene	26.57	276	73928	0.38	ng/ul	99

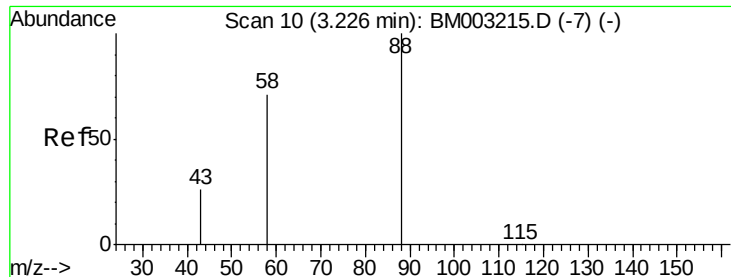
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.97 ng/ul

RT: 3.23 min Scan# 10

Delta R.T. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.457

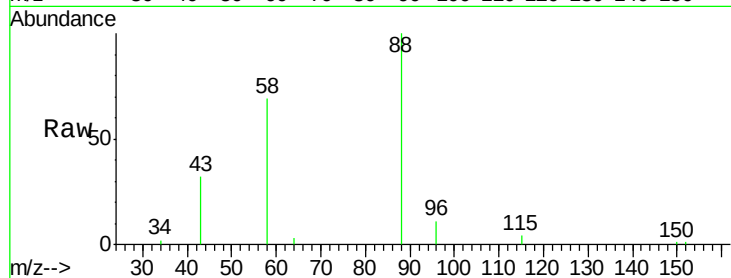
Tgt Ion: 88 Resp: 16964

Ion Ratio Lower Upper

88 100

58 58.3 0.0 0.0#

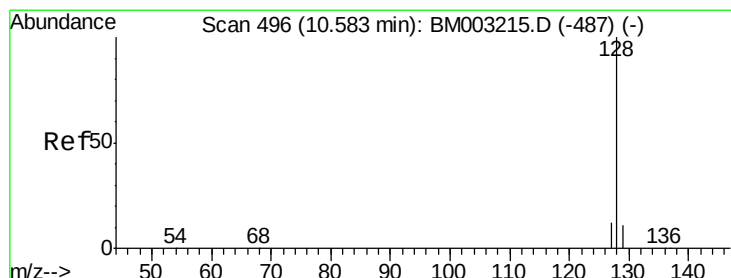
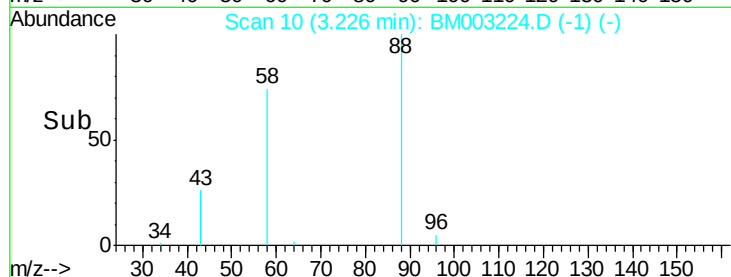
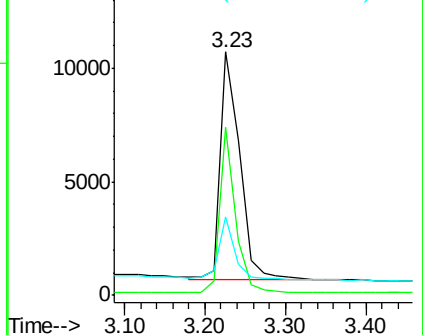
43 23.1 0.0 0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM003224.D (-1) (-)

Ion 58.00 (57.70 to 58.70): BM003224.D (-1) (-)

Ion 43.00 (42.70 to 43.70): BM003224.D (-1) (-)



#5

Naphthalene

Concen: 0.41 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

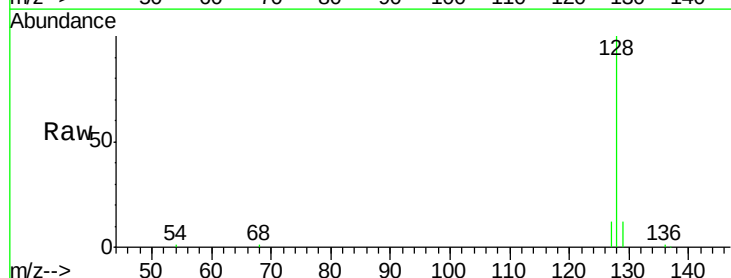
Tgt Ion: 128 Resp: 56425

Ion Ratio Lower Upper

128 100

129 12.0 9.0 13.6

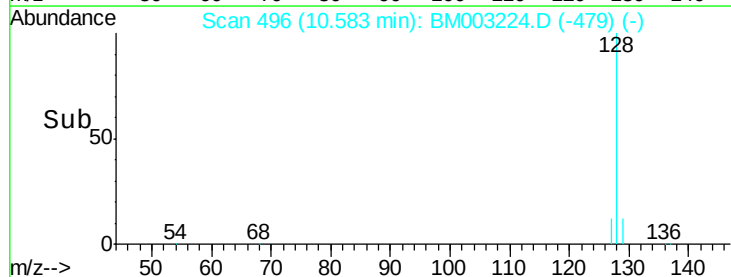
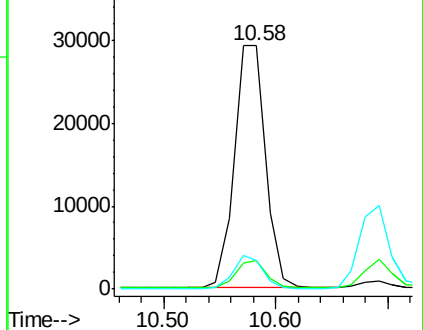
127 11.9 9.6 14.4

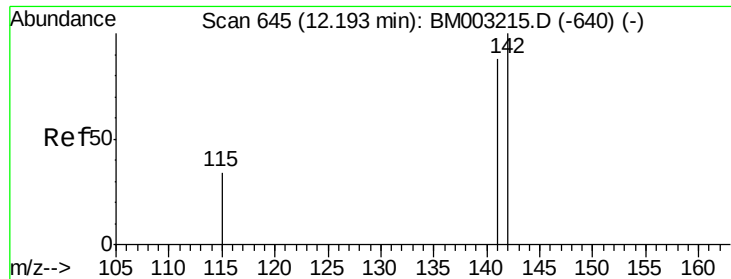


Abundance Ion 128.00 (127.70 to 128.70): BM003224.D (-479) (-)

Ion 129.00 (128.70 to 129.70): BM003224.D (-479) (-)

Ion 127.00 (126.70 to 127.70): BM003224.D (-479) (-)





#7

2-Methylnaphthalene

Concen: 0.42 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

Instrument :

BNA_M

ClientSampleId :

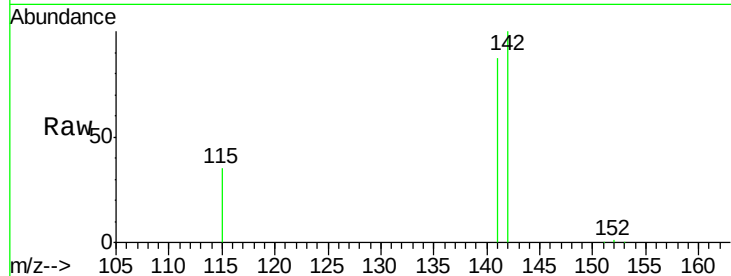
SSTD0.457

Tgt Ion:142 Resp: 37711

Ion Ratio Lower Upper

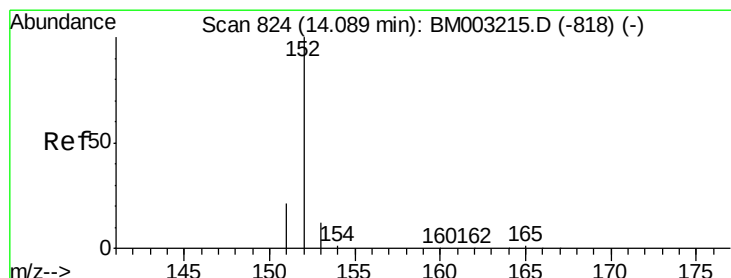
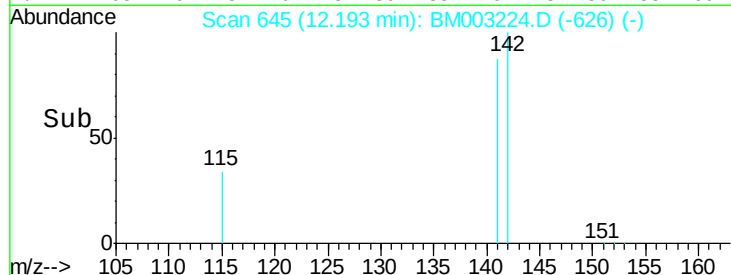
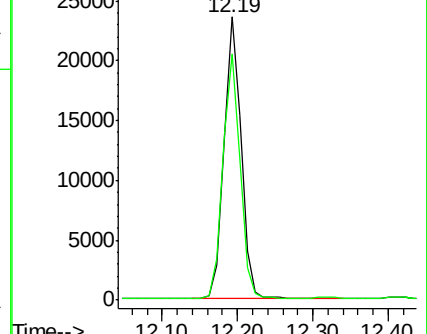
142 100

141 88.1 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E



#9

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

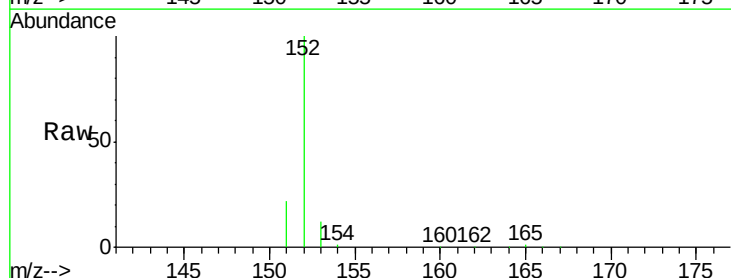
Tgt Ion:152 Resp: 49463

Ion Ratio Lower Upper

152 100

151 21.6 17.6 26.4

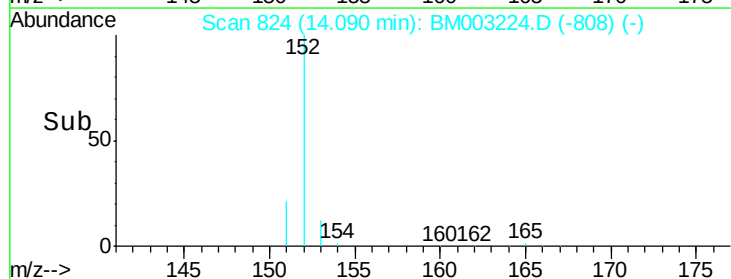
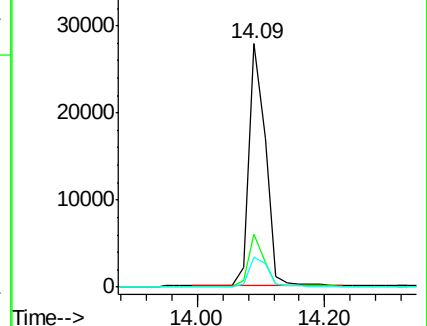
153 12.2 9.7 14.5

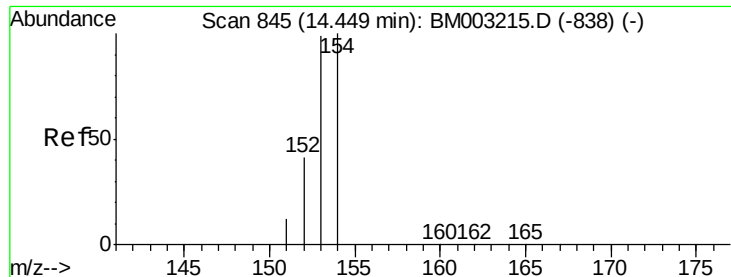


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.457

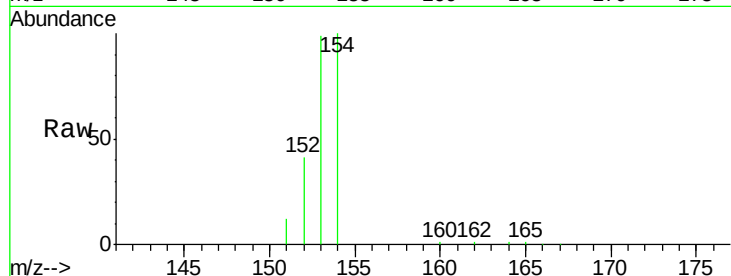
Tgt Ion:153 Resp: 38670

Ion Ratio Lower Upper

153 100

152 41.9 33.9 50.9

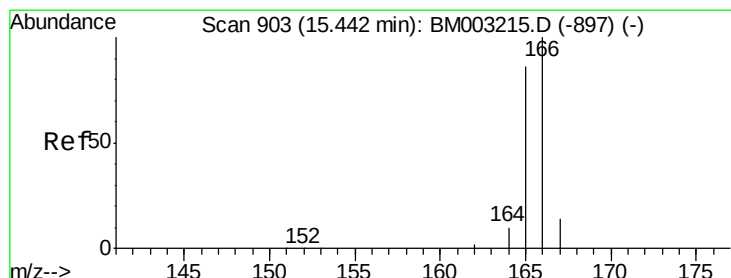
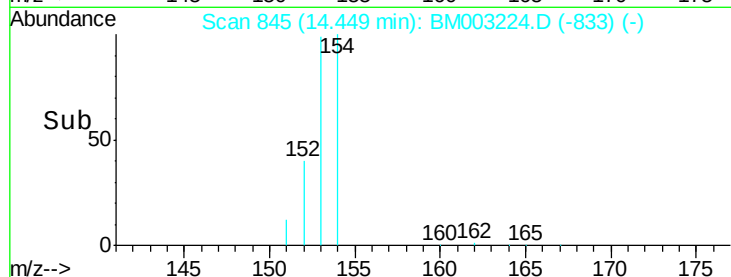
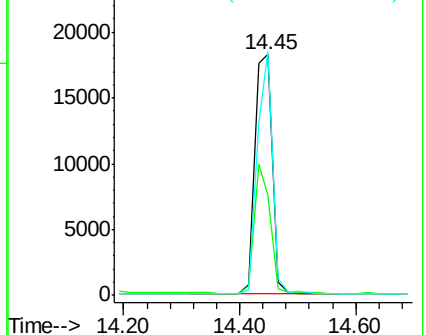
154 101.1 80.6 121.0



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: 0.41 ng/ul

RT: 15.44 min Scan# 903

Delta R.T. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

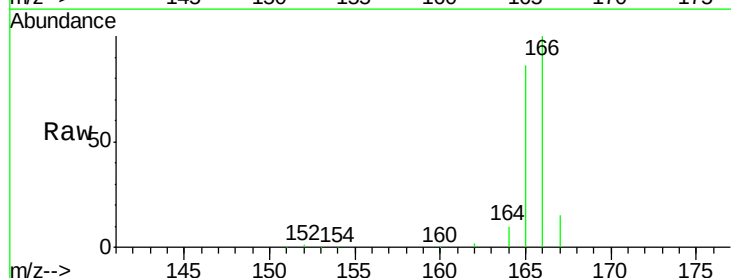
Tgt Ion:166 Resp: 42308

Ion Ratio Lower Upper

166 100

165 86.5 69.6 104.4

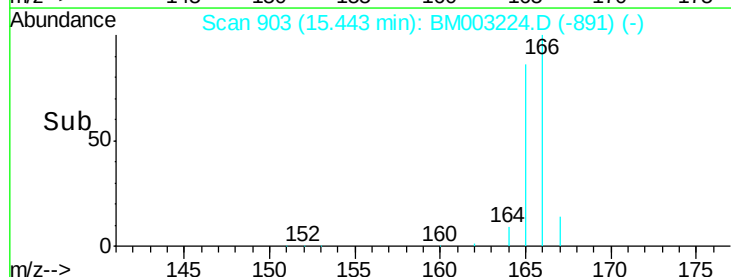
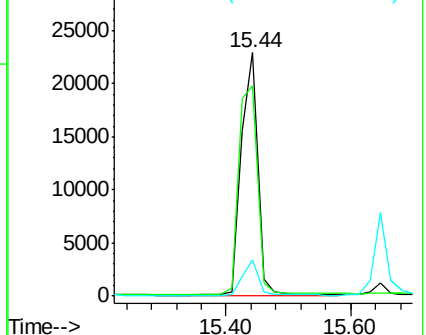
167 14.8 11.9 17.9

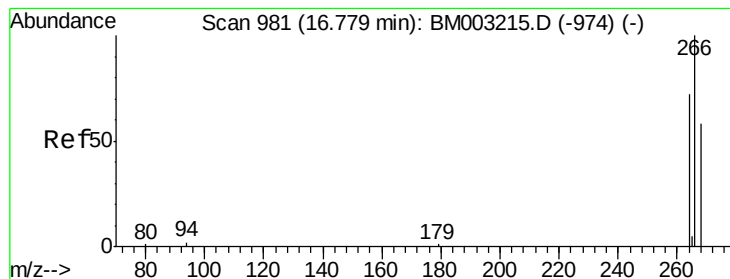


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

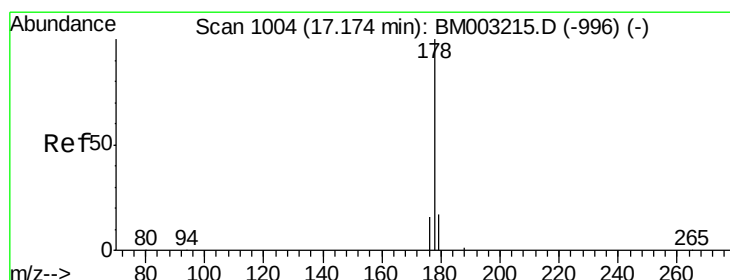
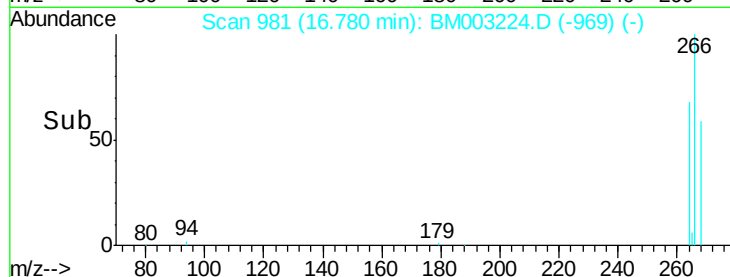
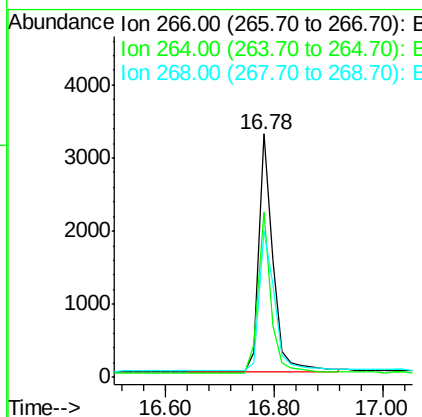
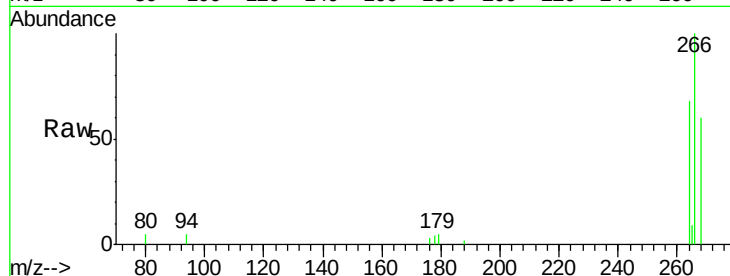




#13
 Pentachlorophenol
 Concen: 0.44 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM003224.D
 Acq: 20 Nov 2015 16:56

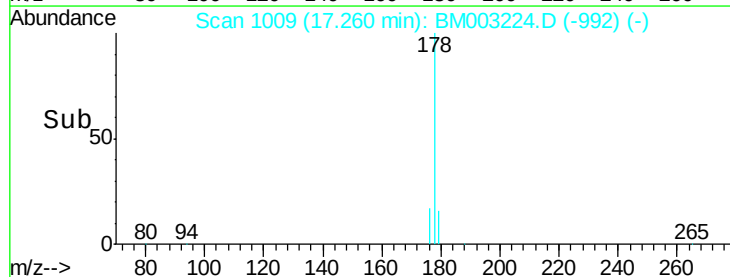
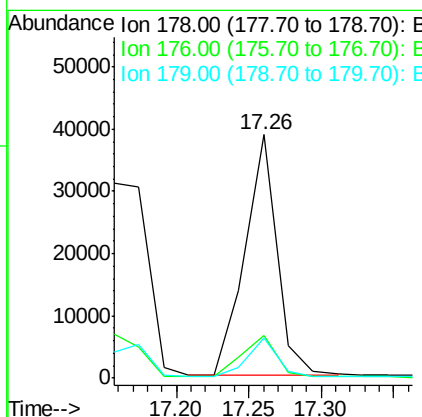
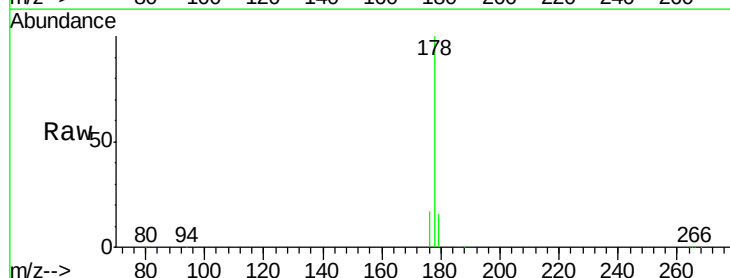
Instrument :
 BNA_M
 ClientSampleId :
 SST0.457

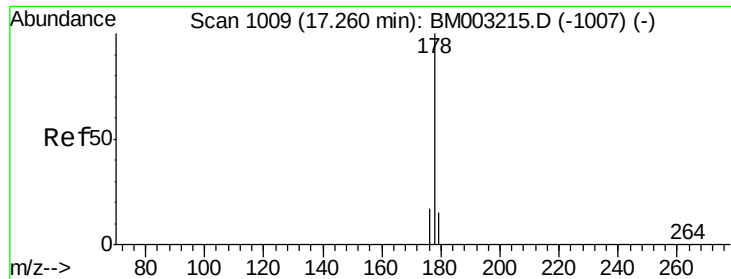
Tgt Ion: 266 Resp: 5915
 Ion Ratio Lower Upper
 266 100
 264 63.3 51.8 77.8
 268 63.9 46.8 70.2



#14
 Phenanthrene
 Concen: 0.36 ng/ul
 RT: 17.26 min Scan# 1009
 Delta R.T. 0.09 min
 Lab File: BM003224.D
 Acq: 20 Nov 2015 16:56

Tgt Ion: 178 Resp: 59647
 Ion Ratio Lower Upper
 178 100
 176 17.3 13.0 19.4
 179 16.4 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: BM003224.D

Acq: 20 Nov 2015 16:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.457

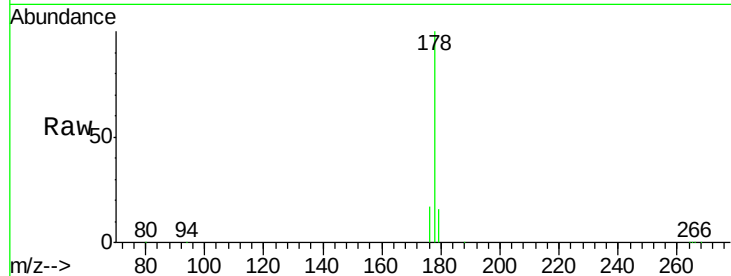
Tgt Ion:178 Resp: 61693

Ion Ratio Lower Upper

178 100

176 17.3 14.0 21.0

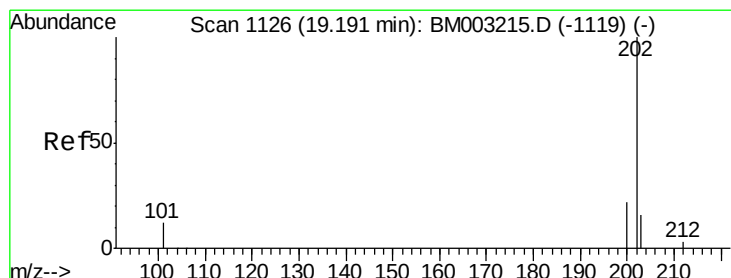
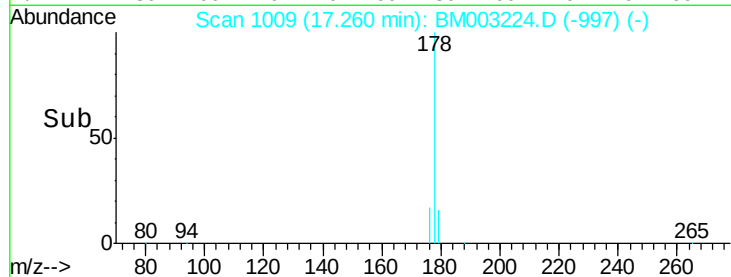
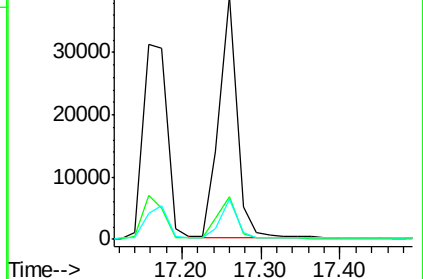
179 16.4 12.9 19.3



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: 0.42 ng/ul

RT: 19.19 min Scan# 1126

Delta R.T. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

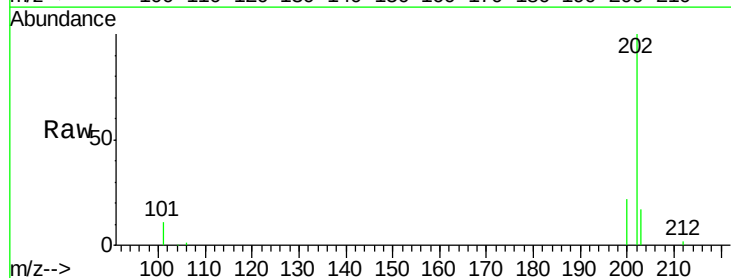
Tgt Ion:202 Resp: 77620

Ion Ratio Lower Upper

202 100

101 11.4 0.0 29.6

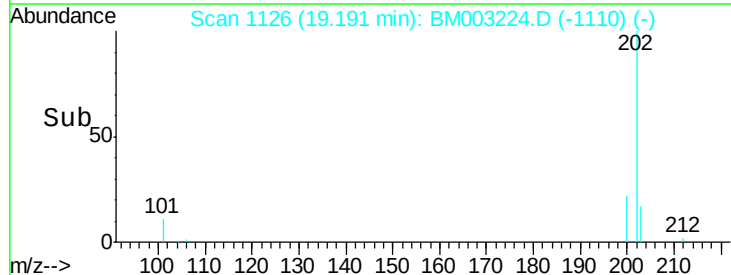
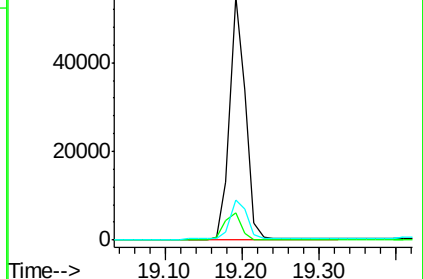
203 16.7 0.0 36.3

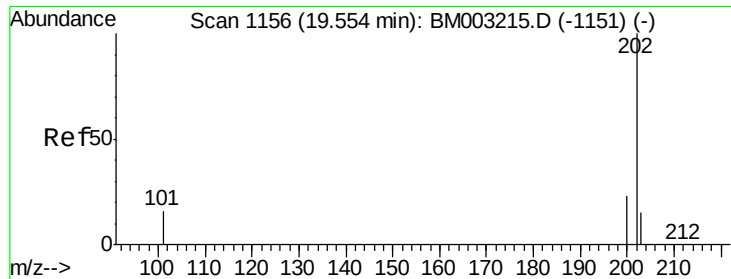


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.42 ng/ul

RT: 19.55 min Scan# 1156

Delta R.T. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.457

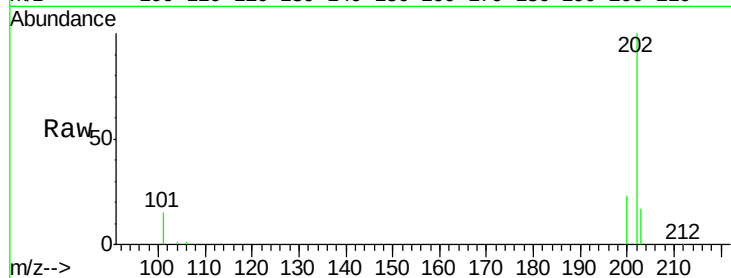
Tgt Ion:202 Resp: 84044

Ion Ratio Lower Upper

202 100

200 22.8 17.8 26.8

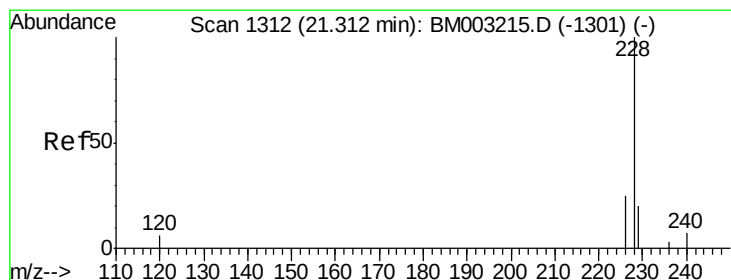
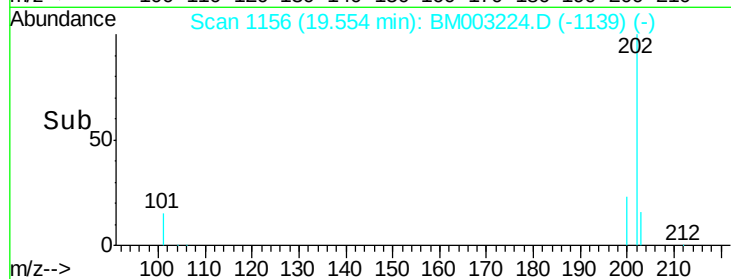
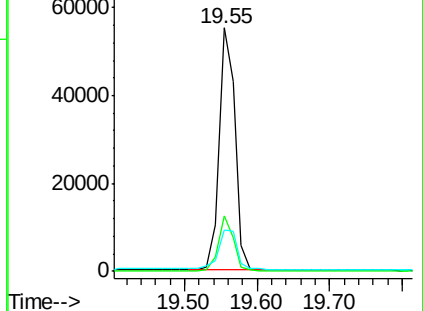
203 16.8 12.8 19.2



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: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

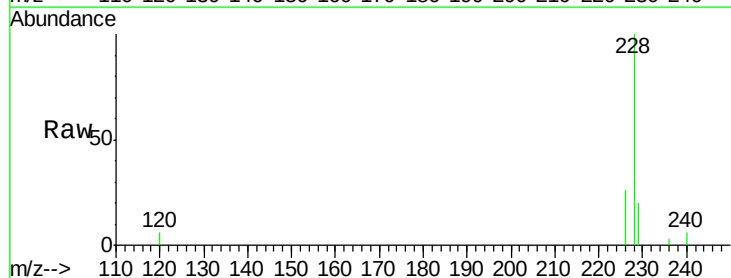
Tgt Ion:228 Resp: 76875

Ion Ratio Lower Upper

228 100

226 26.4 18.8 28.2

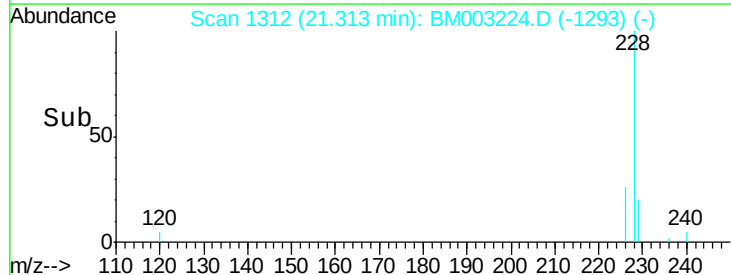
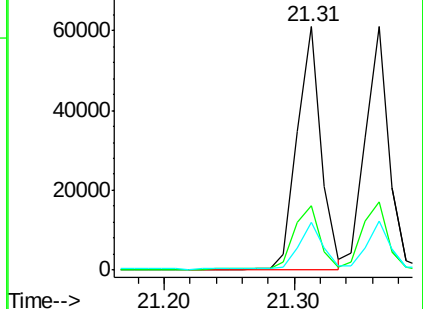
229 19.9 17.1 25.7

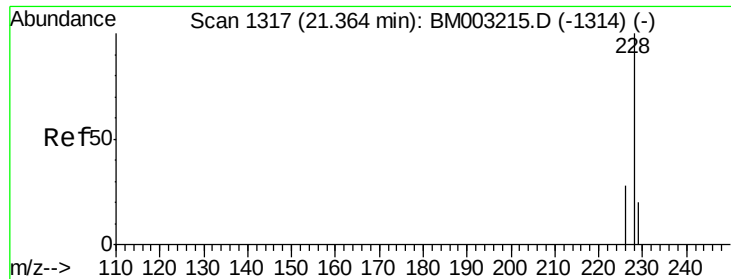


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.40 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

Instrument :

BNA_M

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SSTD0.457

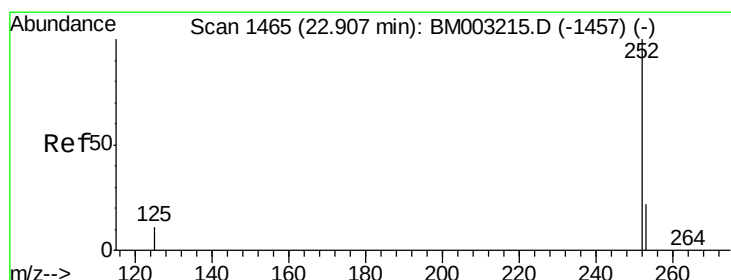
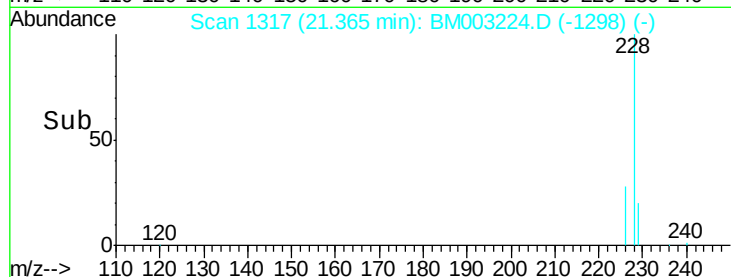
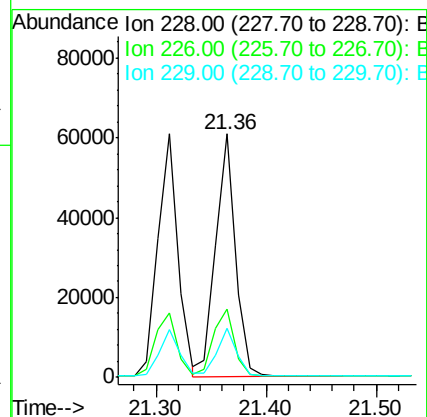
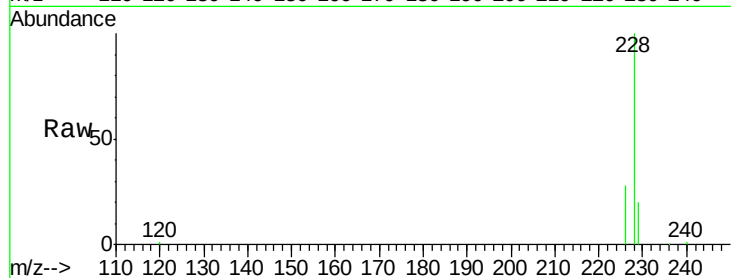
Tgt Ion:228 Resp: 75919

Ion Ratio Lower Upper

228 100

226 28.3 21.2 31.8

229 20.1 17.0 25.6



#23

Benzo(b)fluoranthene

Concen: 0.39 ng/ul

RT: 22.91 min Scan# 1465

Delta R.T. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

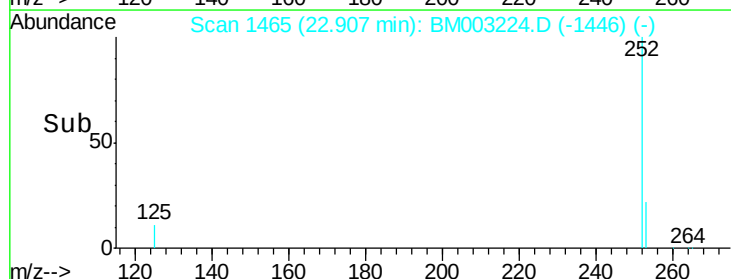
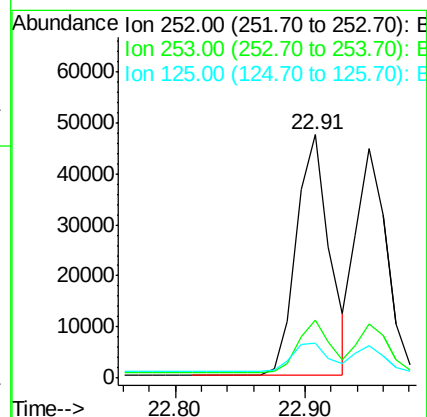
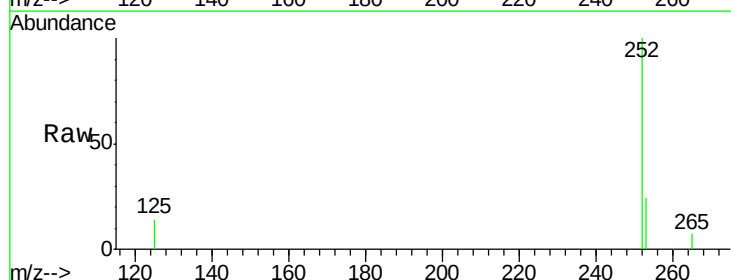
Tgt Ion:252 Resp: 82621

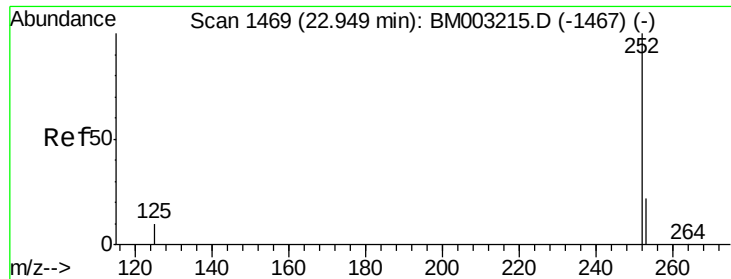
Ion Ratio Lower Upper

252 100

253 24.1 0.0 45.4

125 14.1 0.0 28.8





#24

Benzo(k)fluoranthene

Concen: 0.36 ng/ul

RT: 22.95 min Scan# 1469

Delta R.T. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.457

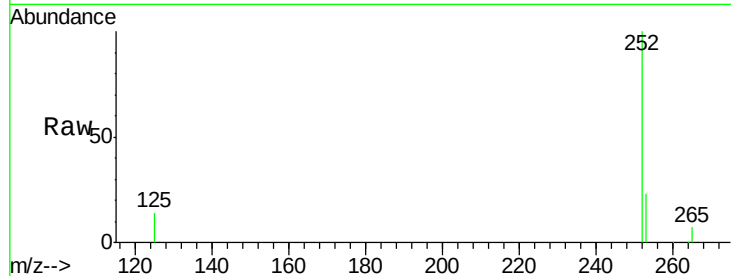
Tgt Ion:252 Resp: 72825

Ion Ratio Lower Upper

252 100

253 23.3 19.8 29.8

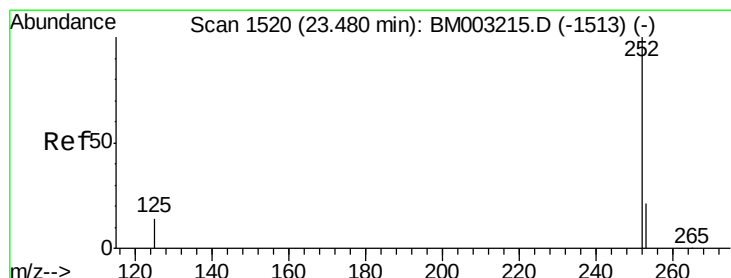
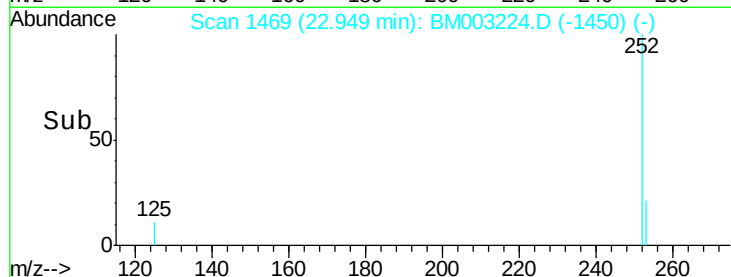
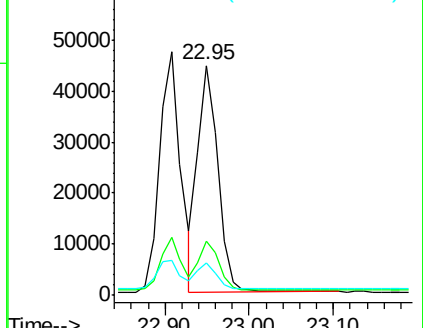
125 14.2 10.4 15.6



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. 0.01 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

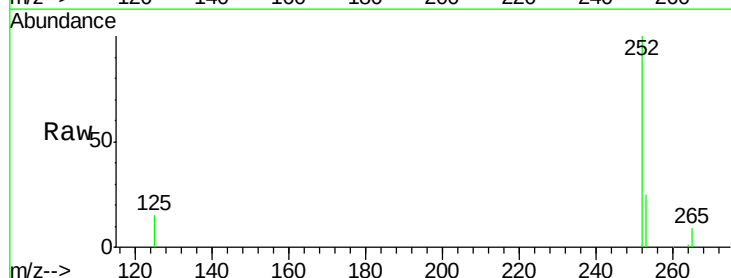
Tgt Ion:252 Resp: 76003

Ion Ratio Lower Upper

252 100

253 24.7 19.4 29.2

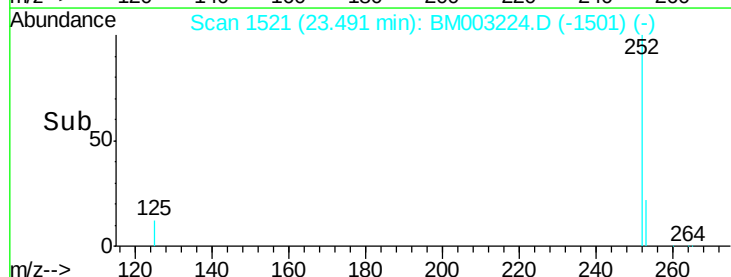
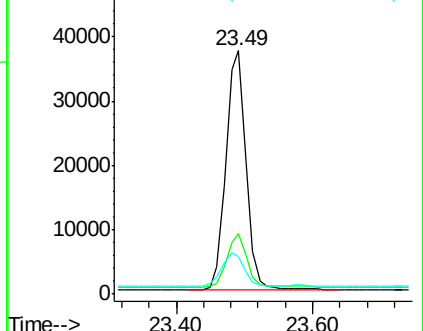
125 15.4 12.7 19.1

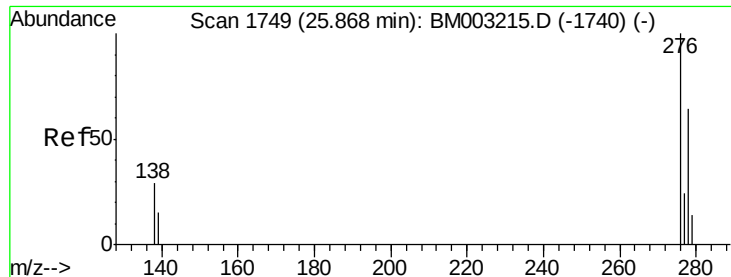


Abundance Ion 252.00 (251.70 to 252.70): E

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. 0.00 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.457

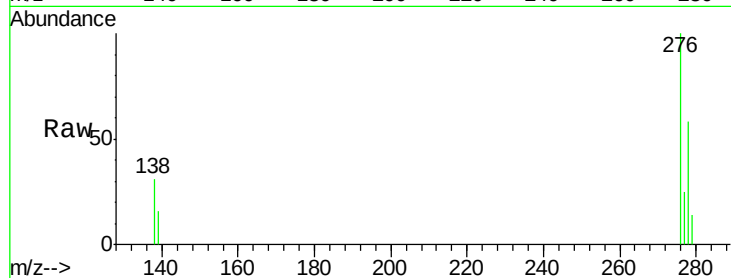
Tgt Ion:276 Resp: 86896

Ion Ratio Lower Upper

276 100

138 30.0 16.3 24.5#

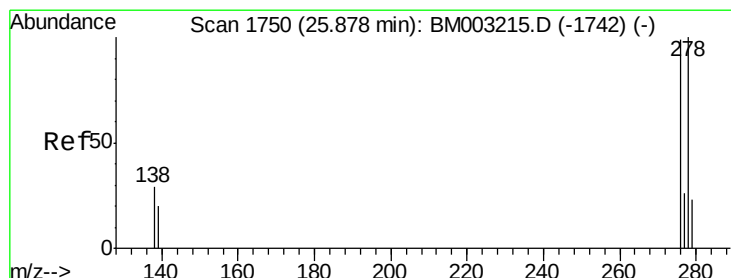
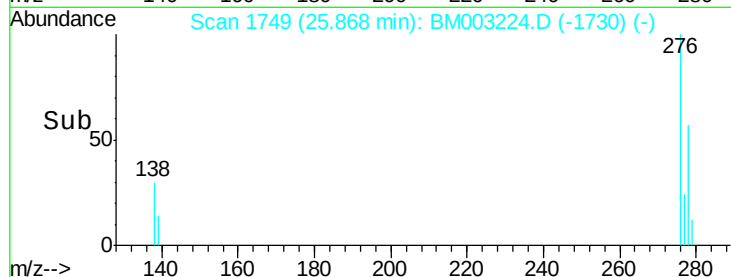
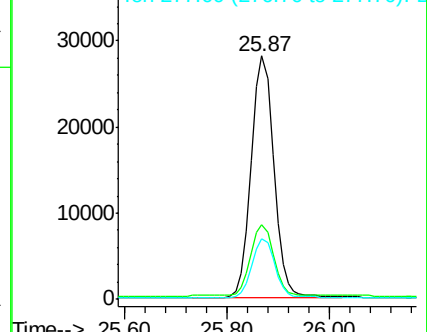
277 24.6 19.8 29.8



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: 0.38 ng/ul

RT: 25.89 min Scan# 1751

Delta R.T. 0.01 min

Lab File: BM003224.D

Acq: 20 Nov 2015 16:56

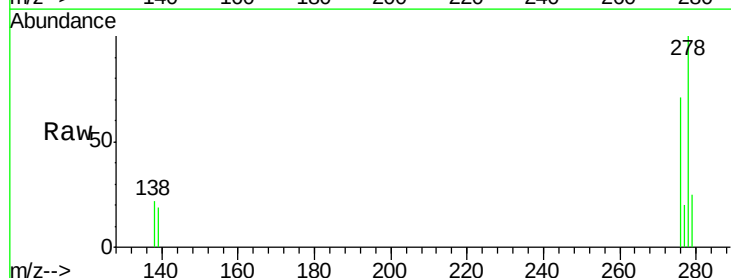
Tgt Ion:278 Resp: 69508

Ion Ratio Lower Upper

278 100

139 19.5 16.4 24.6

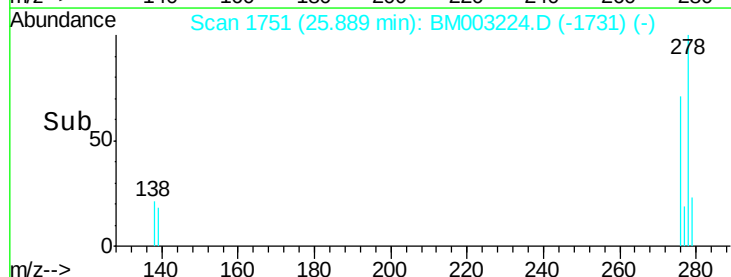
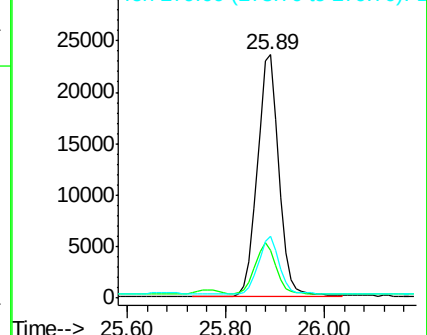
279 25.2 20.2 30.2

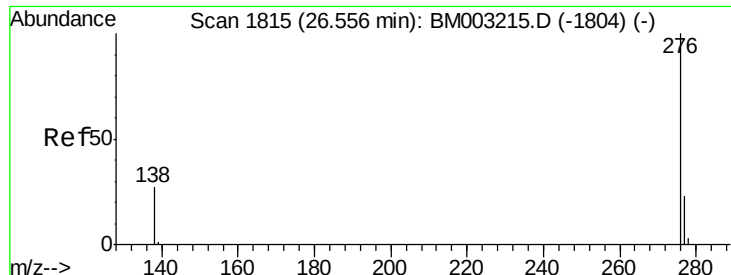


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.38 ng/ul

RT: 26.57 min Scan# 1816

Delta R.T. 0.01 min

Lab File: BM003224.D

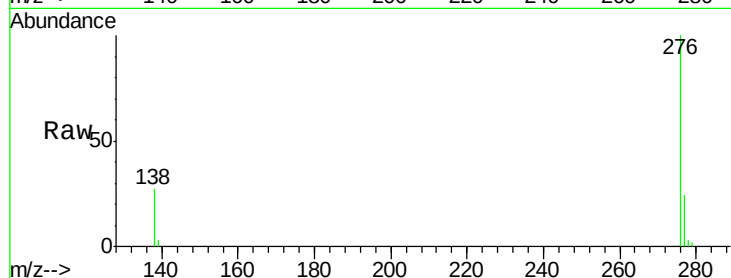
Acq: 20 Nov 2015 16:56

Instrument :

BNA_M

ClientSampleId :

SSTD0.457



Tgt Ion: 276 Resp: 73928

Ion Ratio Lower Upper

276 100

277 24.1 18.9 28.3

138 27.2 22.5 33.7

