

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM020116\
 Data File : BM004163.D
 Acq On : 01 Feb 2016 17:02
 Operator : SJ/IZ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.455

Quant Time: Feb 02 01:22:39 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM012916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 02 01:18:17 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	1394	0.40	ng/ul	0.00
4) Naphthalene-d8	10.45	136	6065	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.31	164	3793	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.07	188	9876	0.40	ng/ul	0.00
18) Chrysene-d12	21.28	240	11156	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	10030	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.12	96	1460	2.09	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.05	152	3312	0.42	ng/ul	-0.01
16) Fluoranthene-d10	19.11	212	11472	0.46	ng/ul	0.00

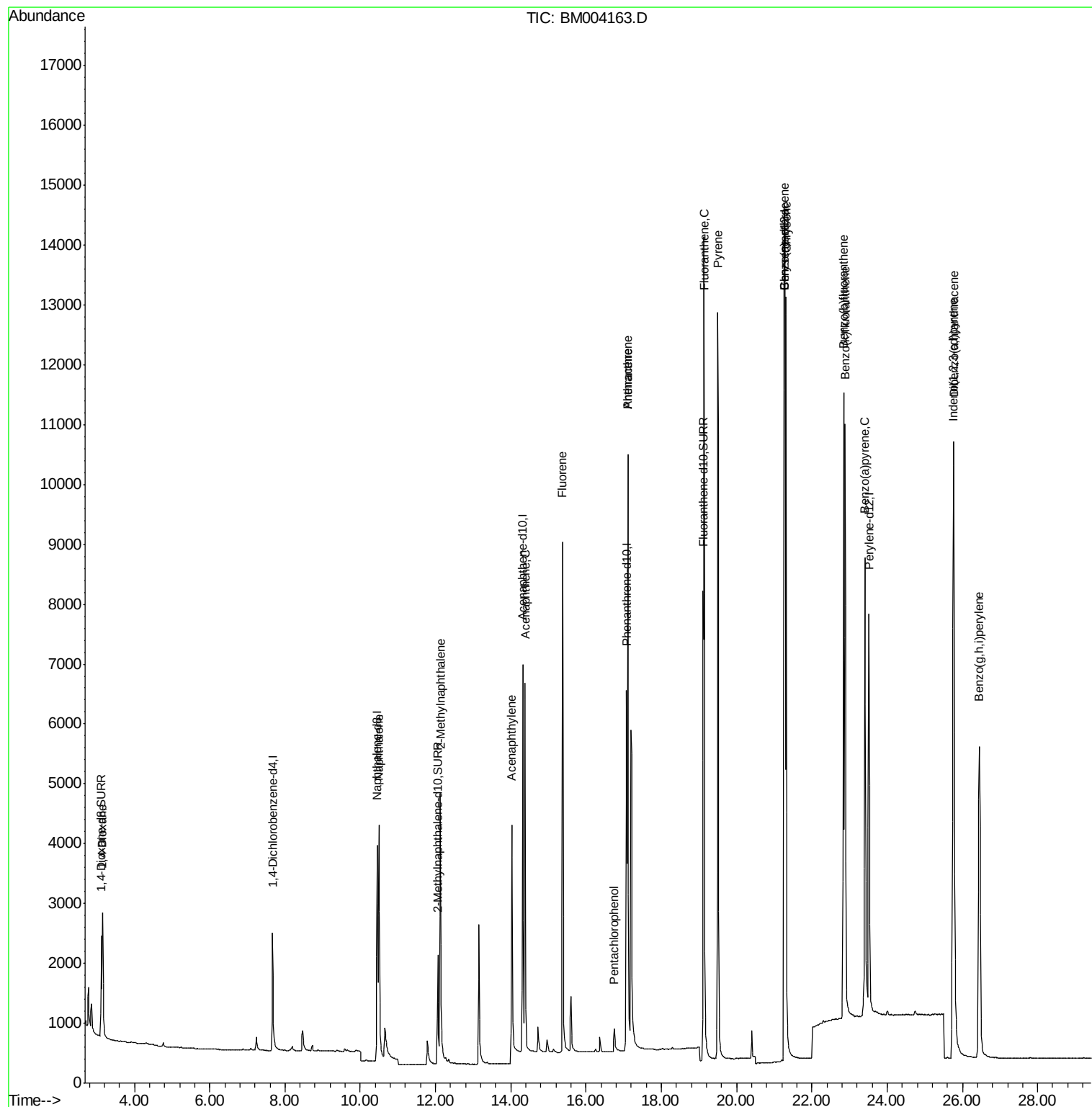
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.15	88	1830	1.98	ng/ul#	17
5) Naphthalene	10.50	128	6191	0.42	ng/ul	96
7) 2-Methylnaphthalene	12.12	142	4350	0.42	ng/ul	97
9) Acenaphthylene	14.02	152	5812	0.43	ng/ul	97
10) Acenaphthene	14.38	153	5350	0.43	ng/ul	98
11) Fluorene	15.38	166	6324	0.42	ng/ul	89
13) Pentachlorophenol	16.75	266	445	0.55	ng/ul	95
14) Phenanthrene	17.11	178	11508	0.43	ng/ul#	94
15) Anthracene	17.11	178	11508	0.51	ng/ul	97
17) Fluoranthene	19.14	202	15313	0.45	ng/ul	97
19) Pyrene	19.50	202	14417	0.41	ng/ul	98
20) Benzo(a)anthracene	21.27	228	12236	0.43	ng/ul	99
21) Chrysene	21.32	228	14174	0.41	ng/ul	99
23) Benzo(b)fluoranthene	22.84	252	14031	0.42	ng/ul	96
24) Benzo(k)fluoranthene	22.88	252	13206	0.42	ng/ul	98
25) Benzo(a)pyrene	23.41	252	12510	0.43	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.76	276	13196	0.41	ng/ul#	91
27) Dibenzo(a,h)anthracene	25.77	278	10310	0.43	ng/ul	98
28) Benzo(g,h,i)perylene	26.45	276	11817	0.39	ng/ul	99

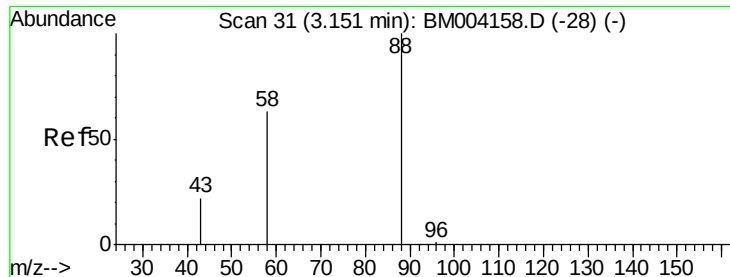
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 1.98 ng/ul

RT: 3.15 min Scan# 31

Delta R.T. 0.00 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

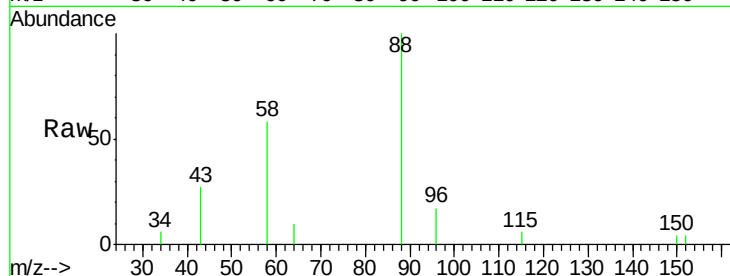
Tgt Ion: 88 Resp: 1830

Ion Ratio Lower Upper

88 100

58 58.0 8.0 12.0#

43 23.2 8.0 12.0#

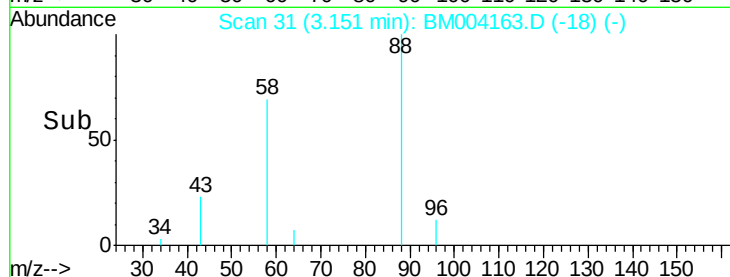


Abundance Ion 88.00 (87.70 to 88.70): BM004158.D (-28) (-)

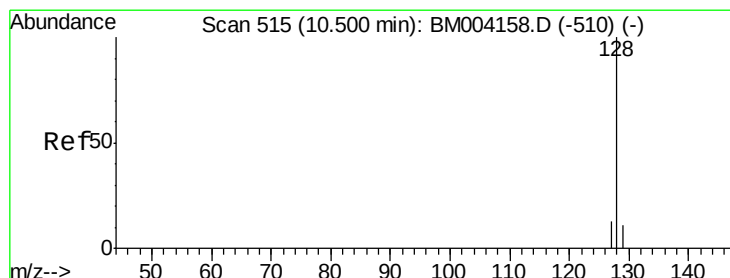
Ion 58.00 (57.70 to 58.70): BM004158.D (-28) (-)

Ion 43.00 (42.70 to 43.70): BM004158.D (-28) (-)

Time-->



Time-->



#5

Naphthalene

Concen: 0.42 ng/ul

RT: 10.50 min Scan# 515

Delta R.T. 0.00 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

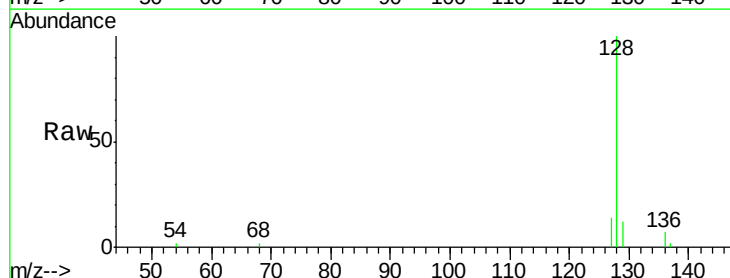
Tgt Ion: 128 Resp: 6191

Ion Ratio Lower Upper

128 100

129 12.3 9.0 13.6

127 14.1 9.6 14.4

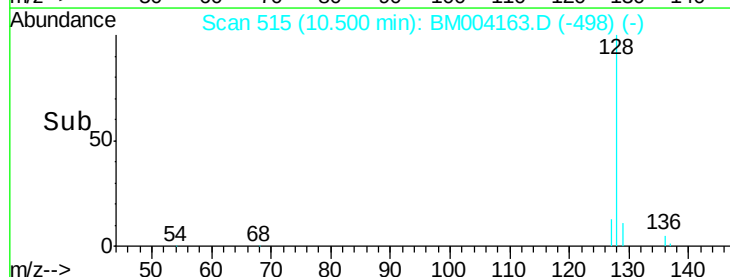


Abundance Ion 128.00 (127.70 to 128.70): BM004158.D (-510) (-)

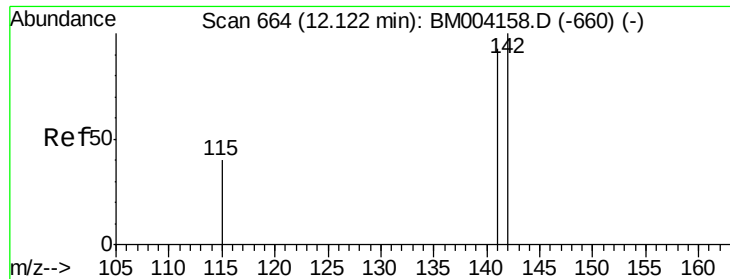
Ion 129.00 (128.70 to 129.70): BM004158.D (-510) (-)

Ion 127.00 (126.70 to 127.70): BM004158.D (-510) (-)

Time-->



Time-->



#7

2-Methylnaphthalene

Concen: 0.42 ng/ul

RT: 12.12 min Scan# 664

Delta R.T. 0.00 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

Instrument :

BNA_M

ClientSampleId :

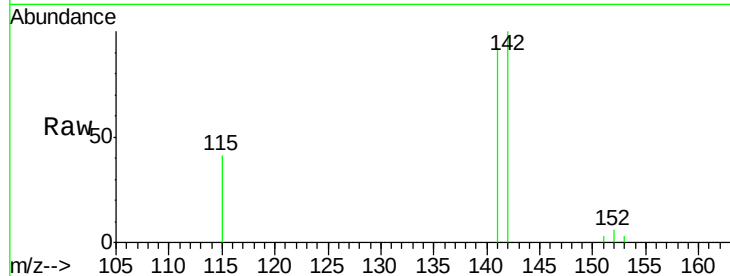
SSTD0.455

Tgt Ion:142 Resp: 4350

Ion Ratio Lower Upper

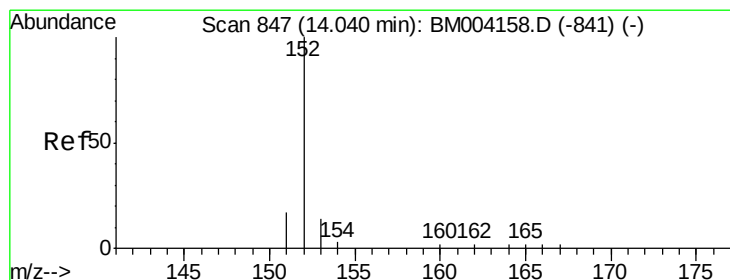
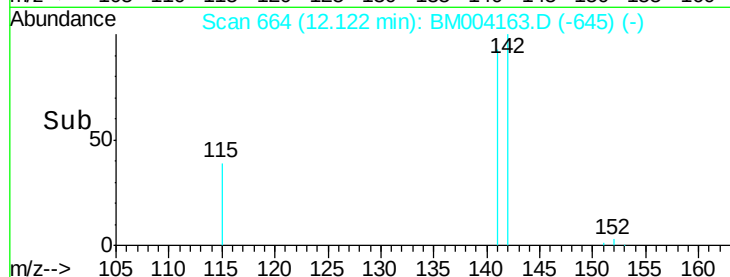
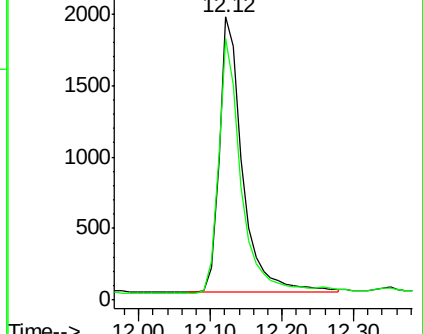
142 100

141 91.1 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: 0.43 ng/ul

RT: 14.02 min Scan# 846

Delta R.T. -0.02 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

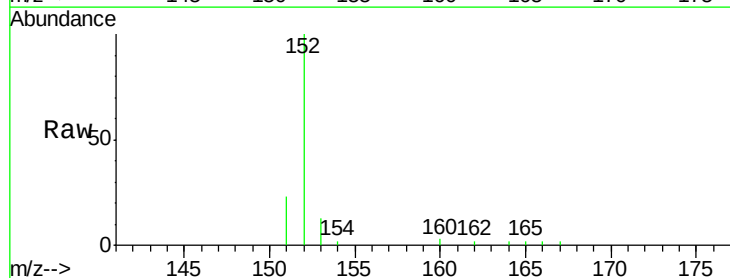
Tgt Ion:152 Resp: 5812

Ion Ratio Lower Upper

152 100

151 23.5 17.6 26.4

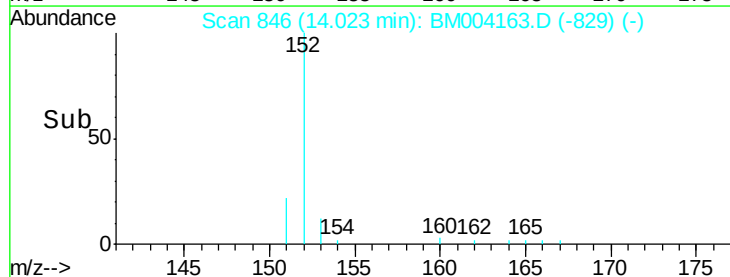
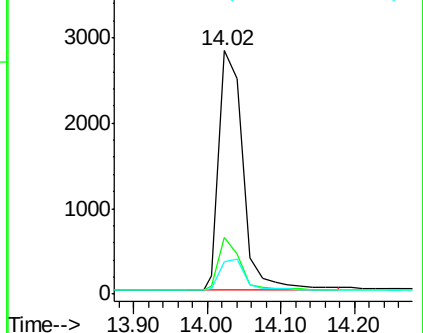
153 13.4 9.7 14.5

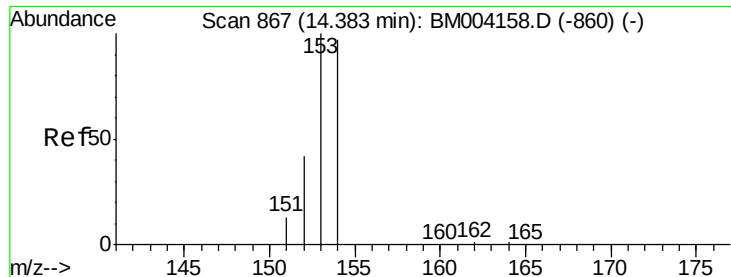


Abundance Ion 152.00 (151.70 to 152.70): E

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: 14.38 min Scan# 867

Delta R.T. 0.00 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

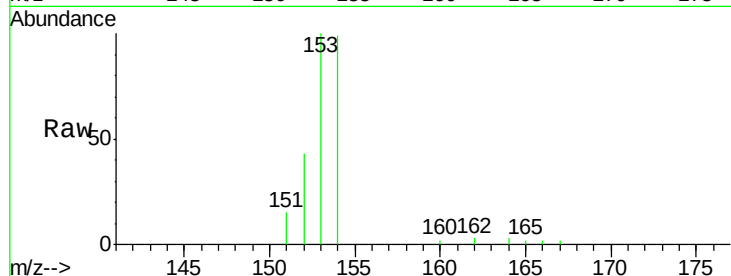
Tgt Ion:153 Resp: 5350

Ion Ratio Lower Upper

153 100

152 43.2 33.9 50.9

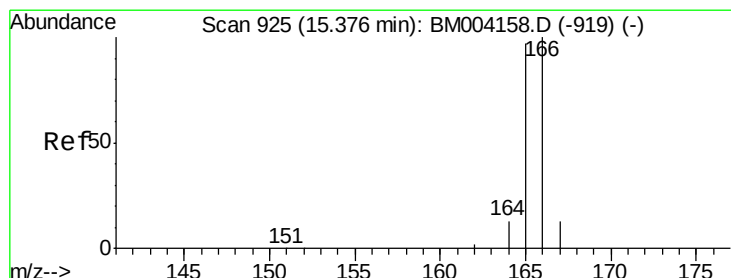
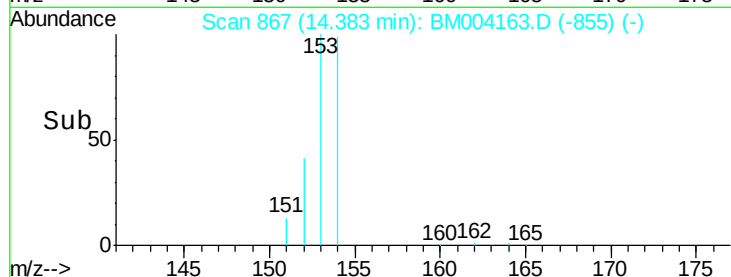
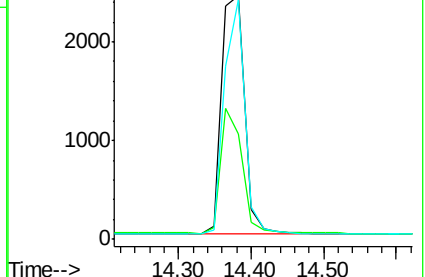
154 98.6 80.6 121.0



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: 15.38 min Scan# 925

Delta R.T. 0.00 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

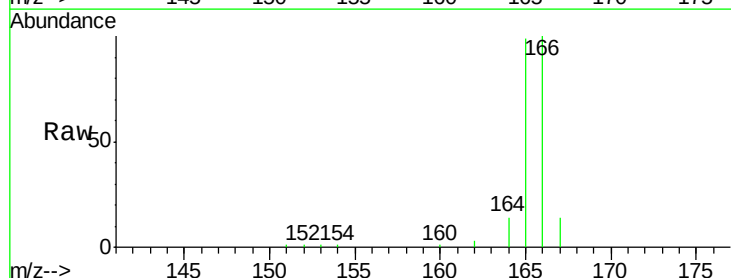
Tgt Ion:166 Resp: 6324

Ion Ratio Lower Upper

166 100

165 98.6 69.6 104.4

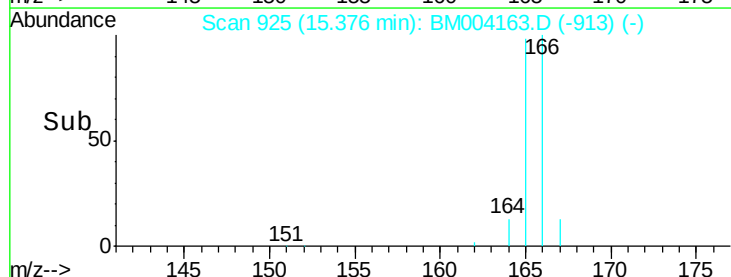
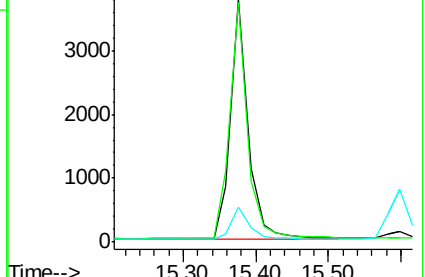
167 14.5 11.9 17.9

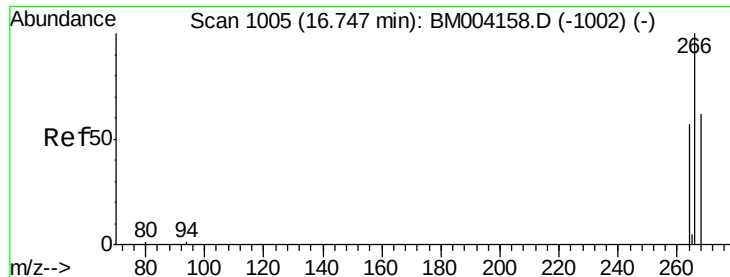


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

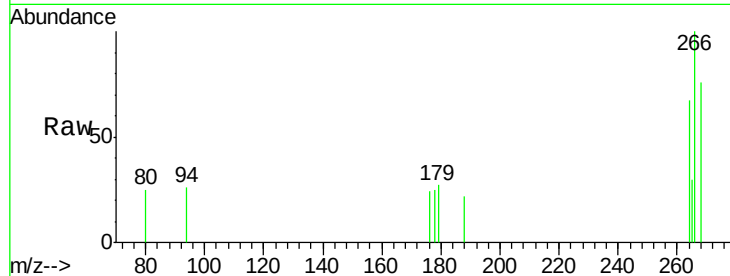




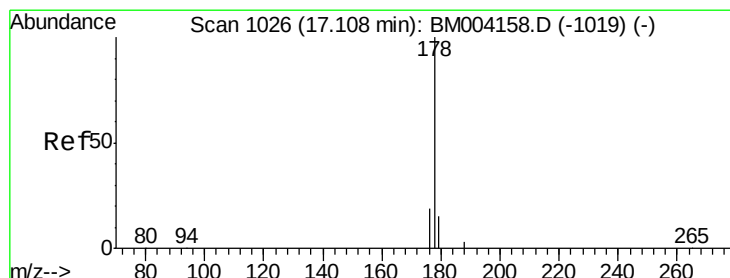
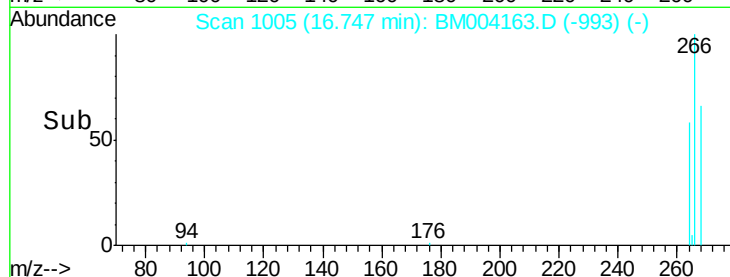
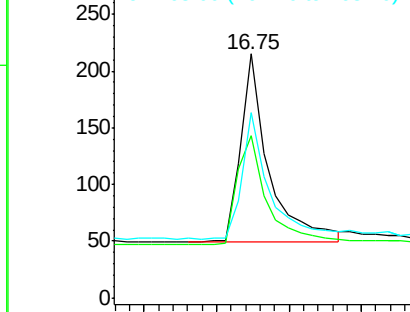
#13
 Pentachlorophenol
 Concen: 0.55 ng/ul
 RT: 16.75 min Scan# 1005
 Delta R.T. 0.00 min
 Lab File: BM004163.D
 Acq: 01 Feb 2016 17:02

Instrument :
 BNA_M
 ClientSampleId :
 SST0.455

Tgt Ion: 266 Resp: 445
 Ion Ratio Lower Upper
 266 100
 264 64.0 51.8 77.8
 268 65.8 46.8 70.2

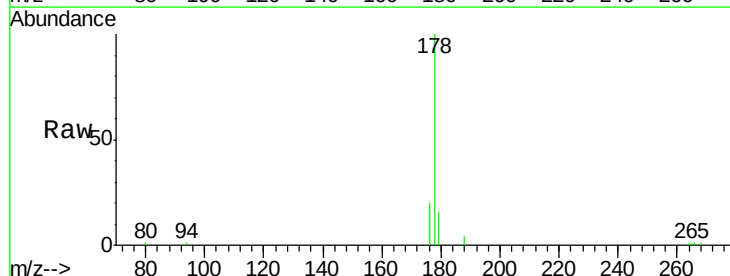


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

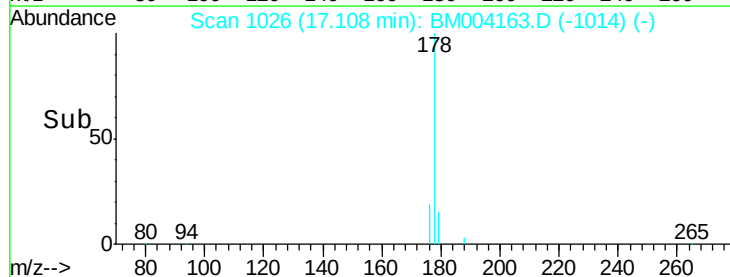
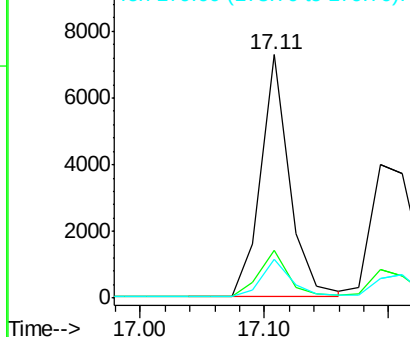


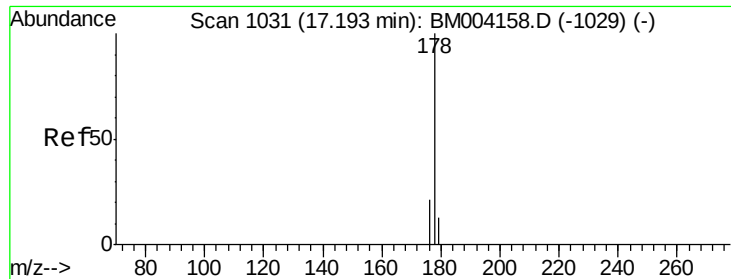
#14
 Phenanthrene
 Concen: 0.43 ng/ul
 RT: 17.11 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: BM004163.D
 Acq: 01 Feb 2016 17:02

Tgt Ion: 178 Resp: 11508
 Ion Ratio Lower Upper
 178 100
 176 19.5 13.0 19.4#
 179 15.8 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: 0.51 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.09 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

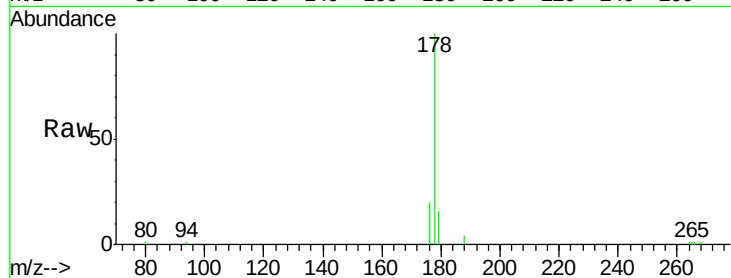
Tgt Ion:178 Resp: 11508

Ion Ratio Lower Upper

178 100

176 19.5 14.0 21.0

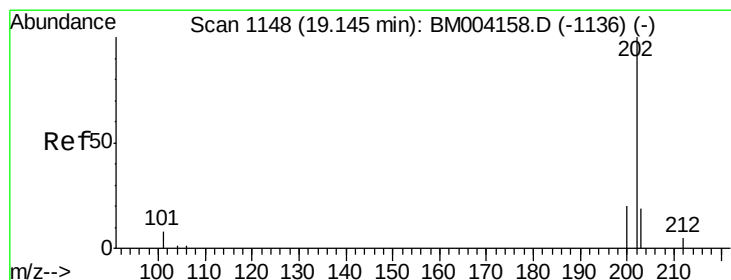
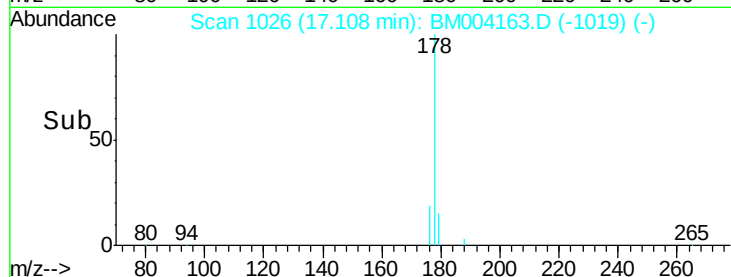
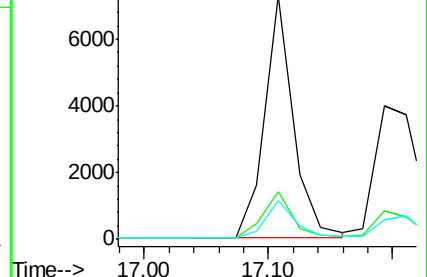
179 15.8 12.9 19.3



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: 0.45 ng/ul

RT: 19.14 min Scan# 1147

Delta R.T. -0.01 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

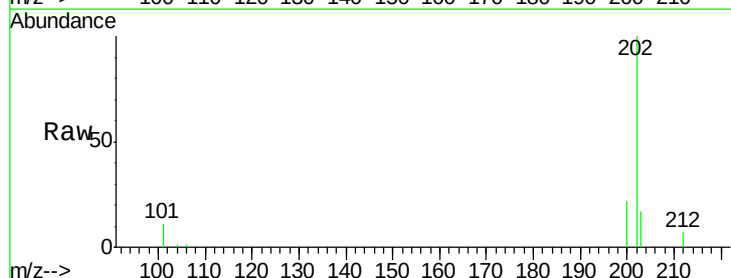
Tgt Ion:202 Resp: 15313

Ion Ratio Lower Upper

202 100

101 11.1 0.0 29.6

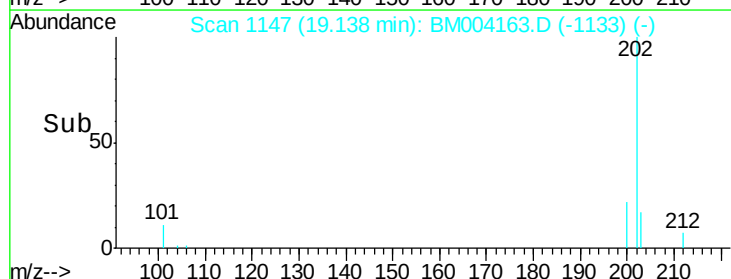
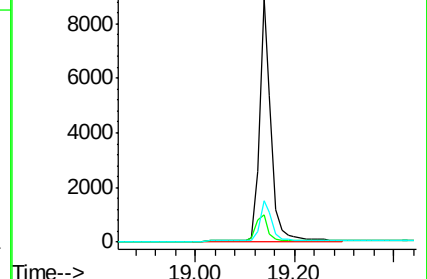
203 17.1 0.0 36.3

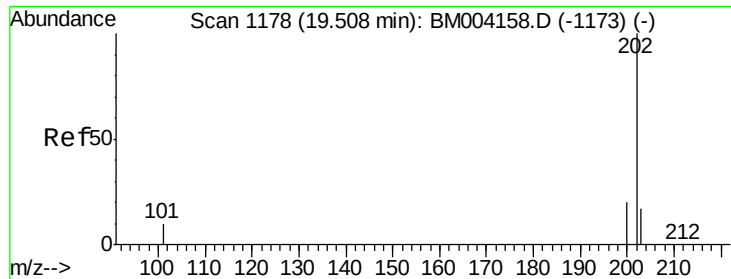


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.41 ng/ul

RT: 19.50 min Scan# 1177

Delta R.T. -0.01 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

Instrument :

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ClientSampleId :

SSTD0.455

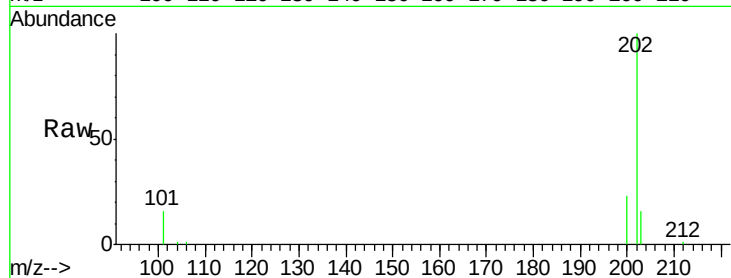
Tgt Ion:202 Resp: 14417

Ion Ratio Lower Upper

202 100

200 23.3 17.8 26.8

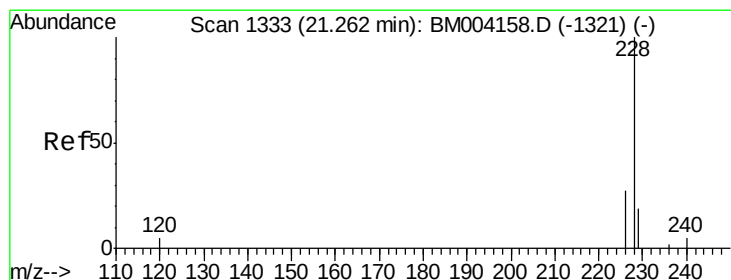
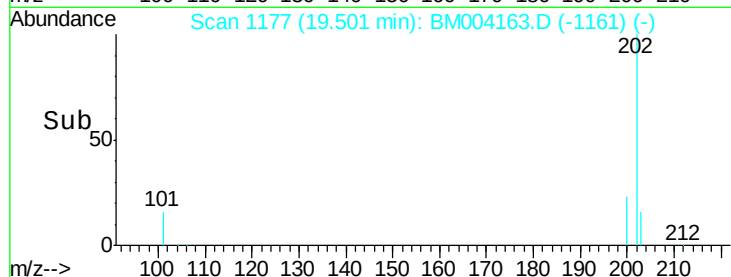
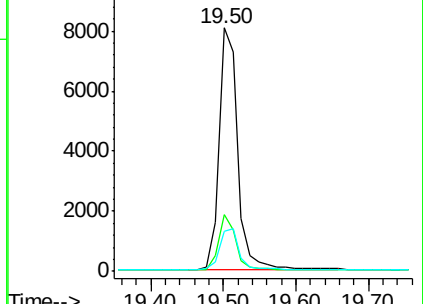
203 16.4 12.8 19.2



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: 0.43 ng/ul

RT: 21.27 min Scan# 1333

Delta R.T. 0.00 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

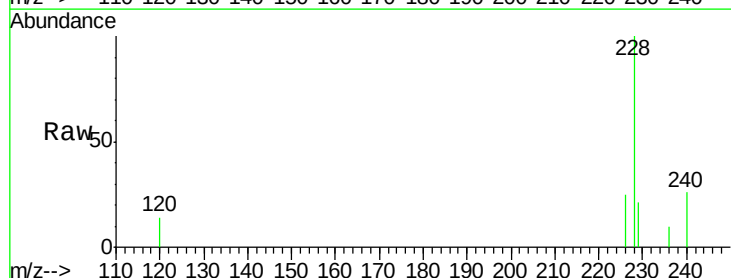
Tgt Ion:228 Resp: 12236

Ion Ratio Lower Upper

228 100

226 24.7 18.8 28.2

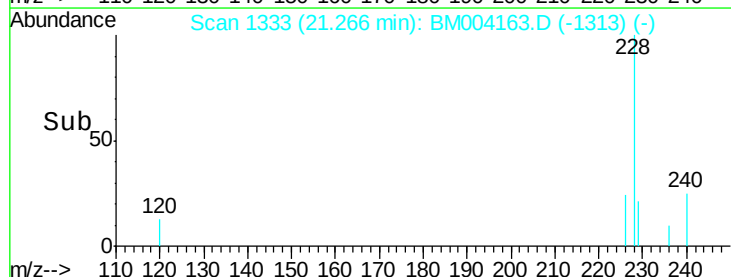
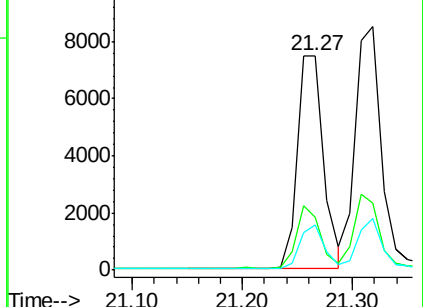
229 21.4 17.1 25.7

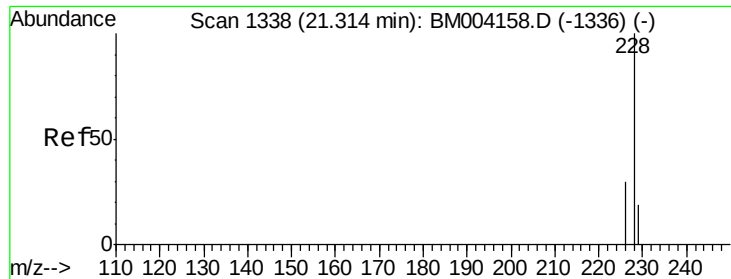


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.41 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

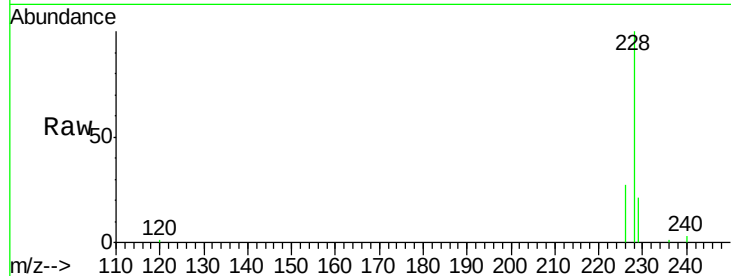
Tgt Ion:228 Resp: 14174

Ion Ratio Lower Upper

228 100

226 27.3 21.2 31.8

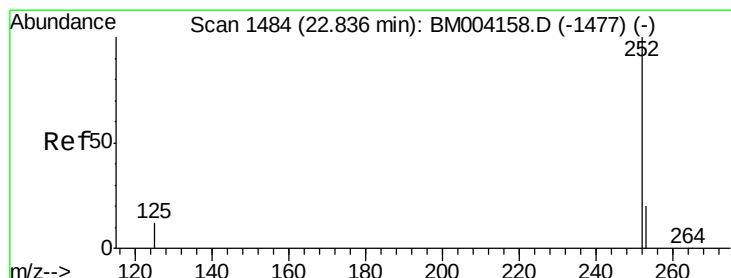
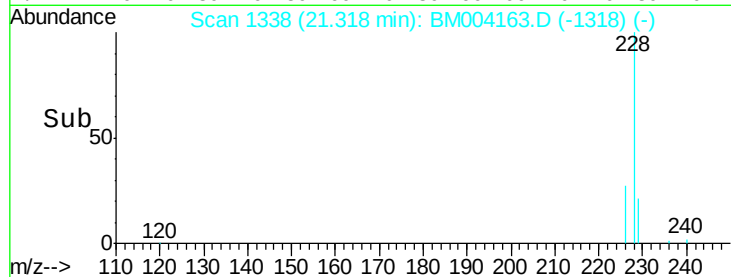
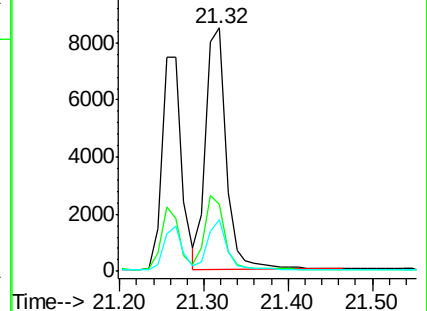
229 21.2 17.0 25.6



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: 0.42 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. 0.00 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

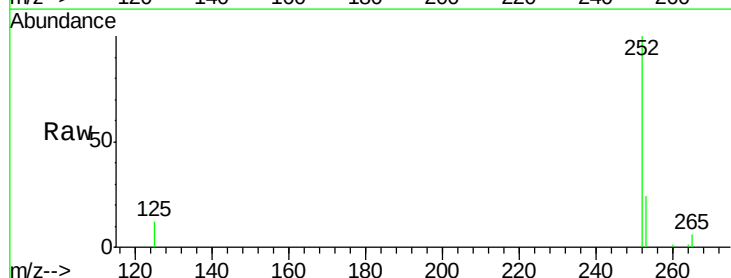
Tgt Ion:252 Resp: 14031

Ion Ratio Lower Upper

252 100

253 24.4 0.0 45.4

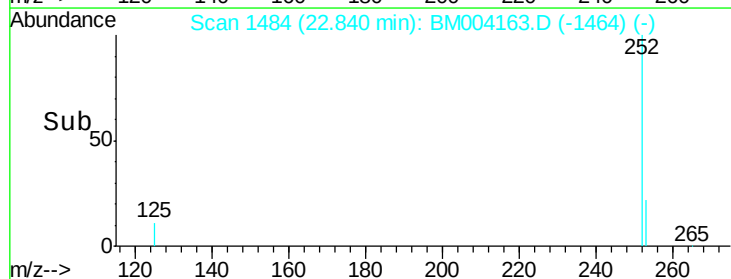
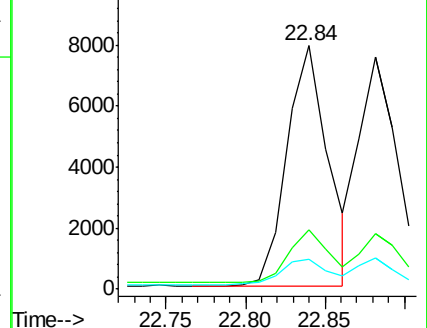
125 12.5 0.0 28.8

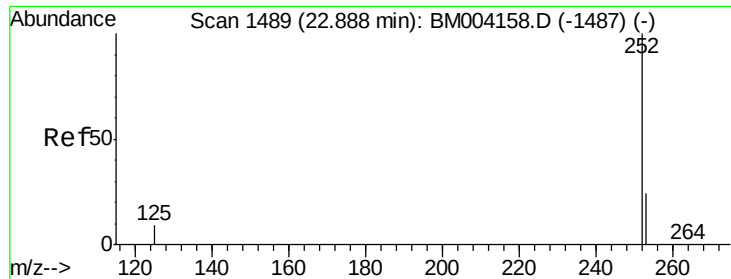


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.42 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.01 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

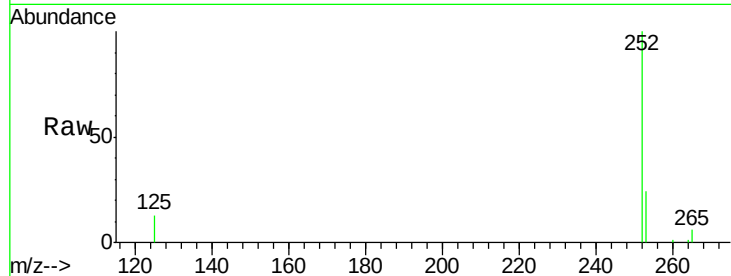
Instrument :

BNA_M

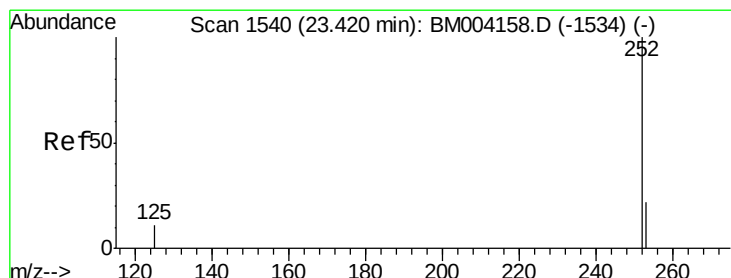
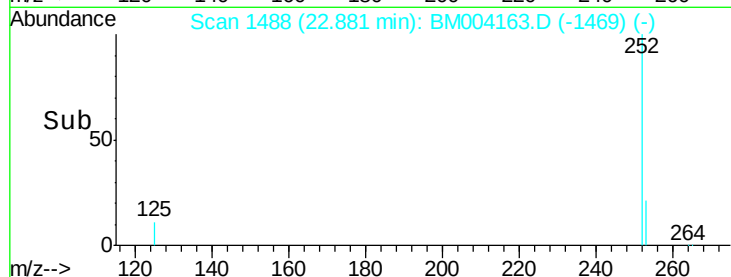
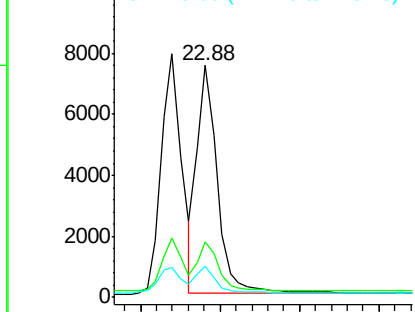
ClientSampleId :

SSTD0.455

Tgt Ion:	252	Resp:	13206
Ion	Ratio	Lower	Upper
252	100		
253	23.7	19.8	29.8
125	13.2	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: 0.43 ng/ul

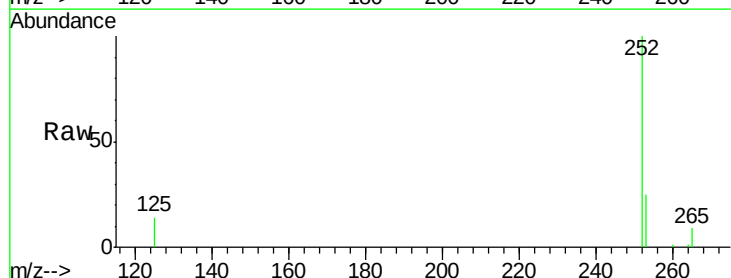
RT: 23.41 min Scan# 1539

Delta R.T. -0.01 min

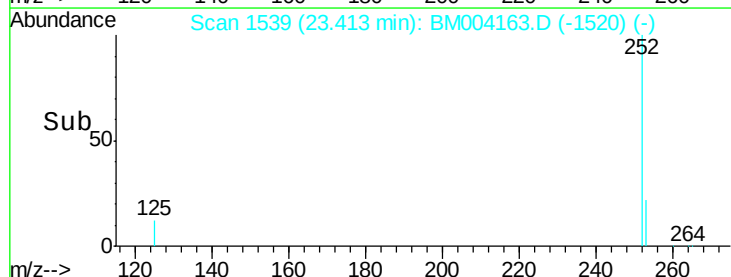
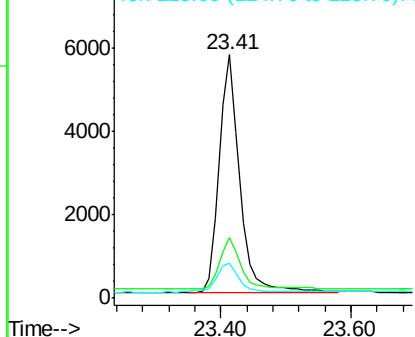
Lab File: BM004163.D

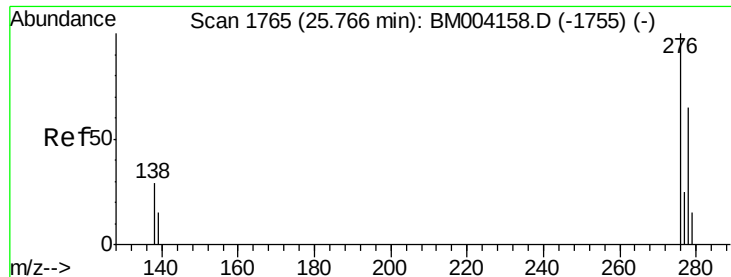
Acq: 01 Feb 2016 17:02

Tgt Ion:	252	Resp:	12510
Ion	Ratio	Lower	Upper
252	100		
253	25.1	19.4	29.2
125	14.4	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: 0.41 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. -0.01 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

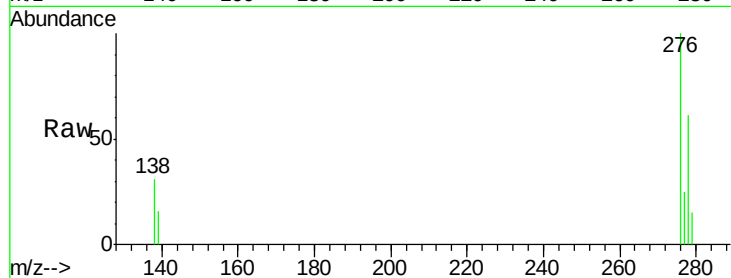
Tgt Ion:276 Resp: 13196

Ion Ratio Lower Upper

276 100

138 29.6 16.3 24.5#

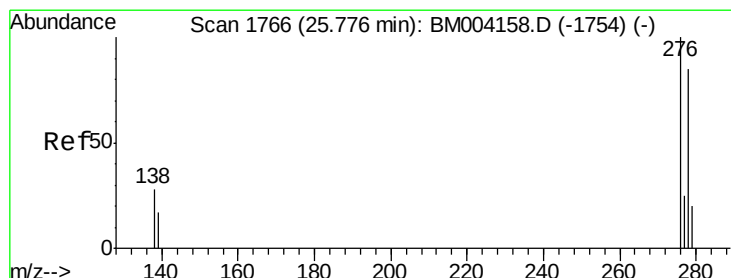
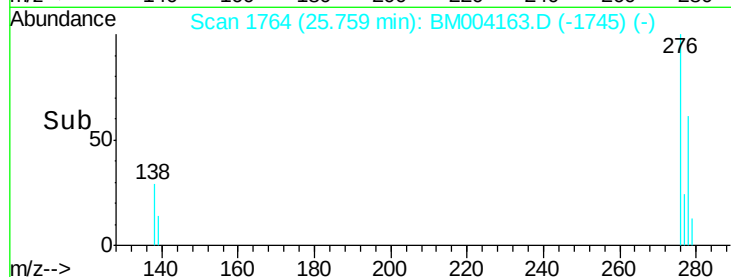
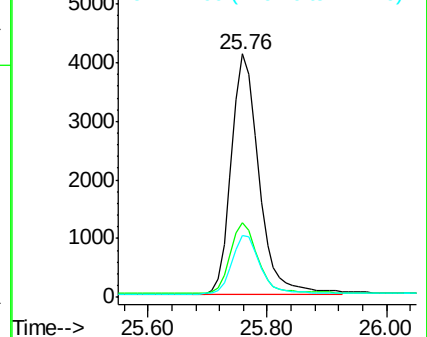
277 24.8 19.8 29.8



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: 0.43 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. -0.01 min

Lab File: BM004163.D

Acq: 01 Feb 2016 17:02

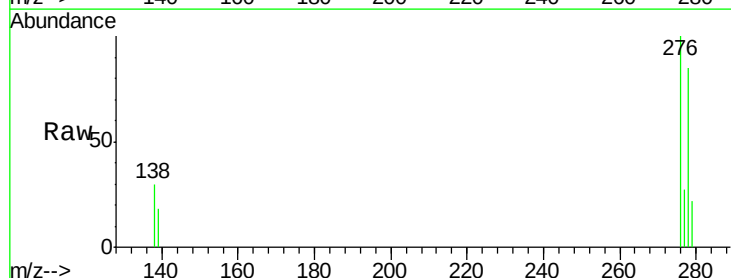
Tgt Ion:278 Resp: 10310

Ion Ratio Lower Upper

278 100

139 21.8 16.4 24.6

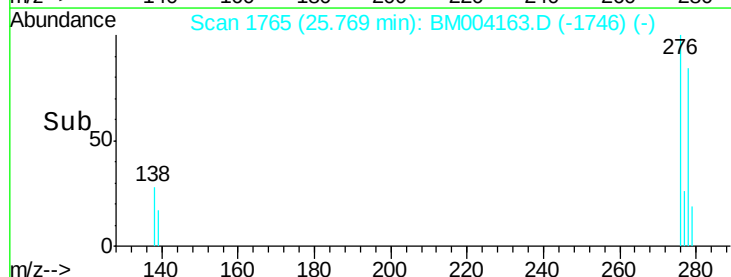
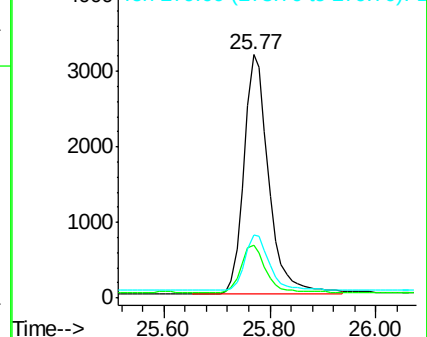
279 25.8 20.2 30.2

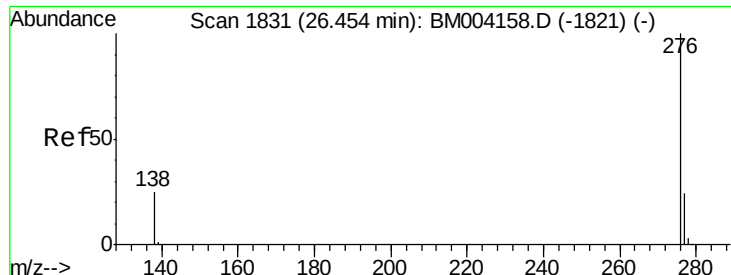


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.39 ng/ul

RT: 26.45 min Scan# 1830

Delta R.T. -0.01 min

Lab File: BM004163.D

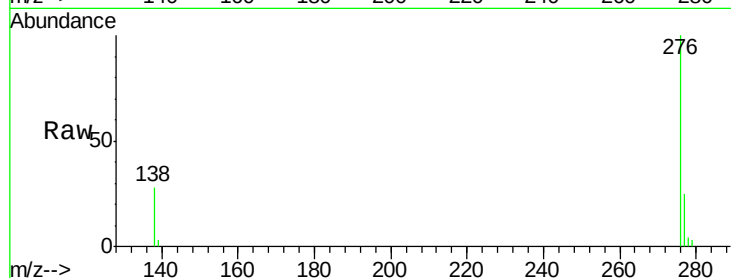
Acq: 01 Feb 2016 17:02

Instrument :

BNA_M

ClientSampleId :

SSTD0.455



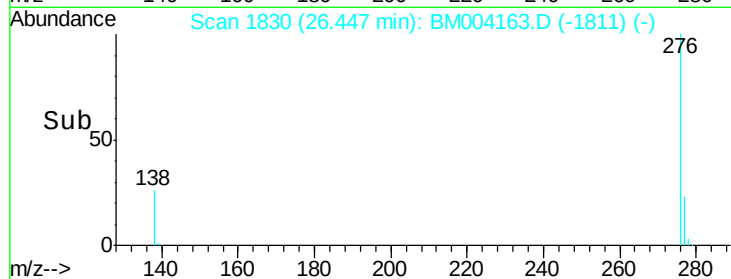
Tgt Ion: 276 Resp: 11817

Ion Ratio Lower Upper

276 100

277 24.6 18.9 28.3

138 27.8 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

