

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122916\
 Data File : BM008713.D
 Acq On : 29 Dec 2016 09:59
 Operator : UM/SJ
 Sample : SSTDC00.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.441

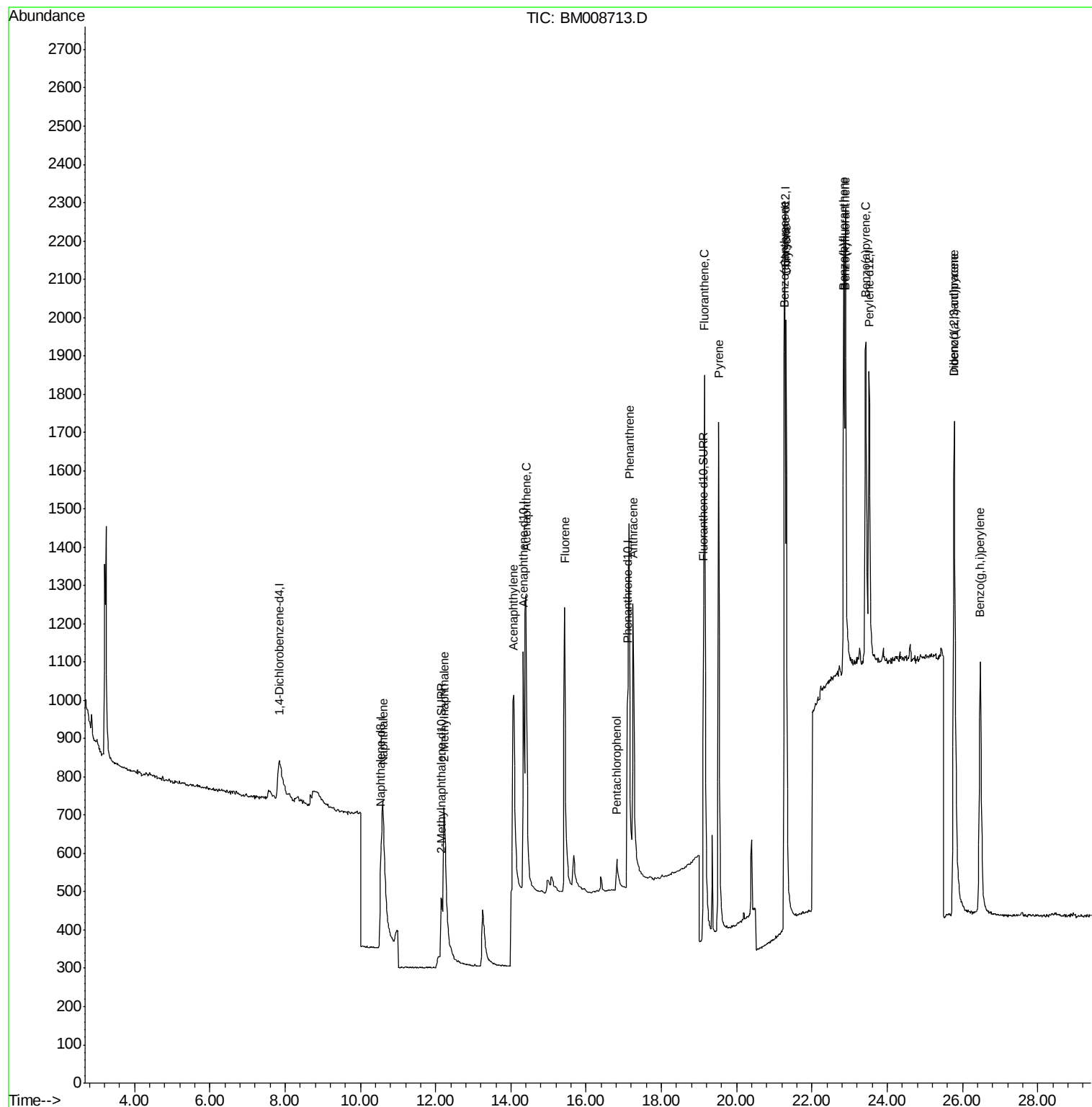
Quant Time: Dec 30 00:54:41 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 29 03:29:39 2016
 Response via : Initial Calibration

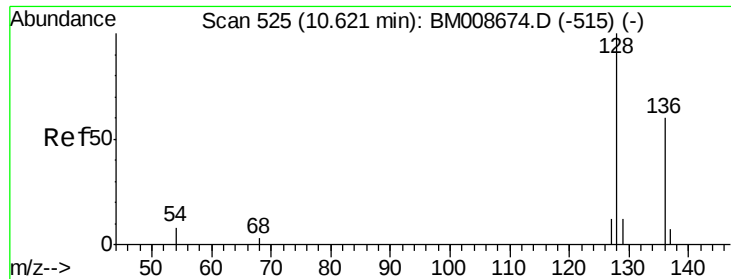
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.85	152	229	0.40	ng/ul	0.03
2) Naphthalene-d8	10.55	136	1113	0.40	ng/ul	-0.01
6) Acenaphthene-d10	14.33	164	682	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.11	188	1280	0.40	ng/ul	0.00
16) Chrysene-d12	21.28	240	1347	0.40	ng/ul	0.00
20) Perylene-d12	23.51	264	1330	0.40	ng/ul	-0.01
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.15	152	645	0.38	ng/ul	-0.01
14) Fluoranthene-d10	19.12	212	1614	0.46	ng/ul	-0.01
Target Compounds				Qvalue		
3) Naphthalene	10.61	128	1171	0.37	ng/ul#	64
5) 2-Methylnaphthalene	12.23	142	722	0.34	ng/ul	88
7) Acenaphthylene	14.07	152	1355	0.44	ng/ul#	83
8) Acenaphthene	14.40	153	953	0.41	ng/ul	97
9) Fluorene	15.43	166	1016	0.38	ng/ul#	91
11) Pentachlorophenol	16.82	266	144	0.36	ng/ul	96
12) Phenanthrene	17.14	178	1608	0.41	ng/ul#	92
13) Anthracene	17.24	178	1578	0.42	ng/ul#	89
15) Fluoranthene	19.14	202	2154	0.45	ng/ul	94
17) Pyrene	19.52	202	2294	0.44	ng/ul#	94
18) Benzo(a)anthracene	21.26	228	1844	0.42	ng/ul	92
19) Chrysene	21.31	228	2092	0.43	ng/ul	93
21) Benzo(b)fluoranthene	22.85	252	2033	0.39	ng/ul	93
22) Benzo(k)fluoranthene	22.89	252	2008	0.39	ng/ul#	93
23) Benzo(a)pyrene	23.43	252	1997	0.41	ng/ul#	91
24) Indeno(1,2,3-cd)pyrene	25.78	276	2275	0.39	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.78	278	1791	0.39	ng/ul#	84
26) Benzo(g,h,i)perylene	26.47	276	1965	0.40	ng/ul#	93

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

Instrument :
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Quant Time: Dec 30 00:54:41 2016
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 29 03:29:39 2016
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#3

Naphthalene

Concen: 0.37 ng/ul

RT: 10.61 min Scan# 524

Delta R.T. -0.00 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

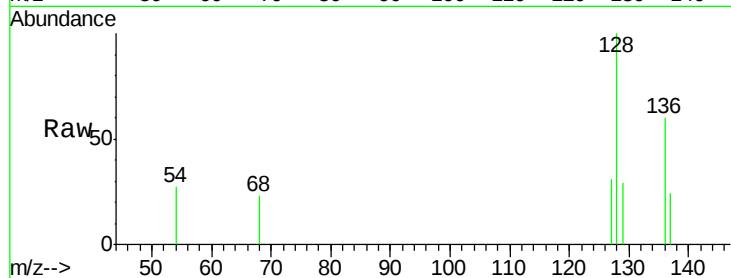
Tgt Ion:128 Resp: 1171

Ion Ratio Lower Upper

128 100

129 29.3 11.3 16.9#

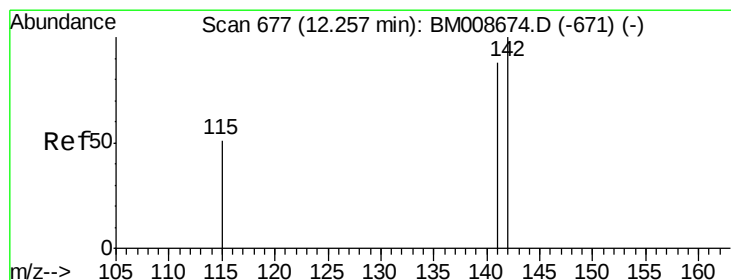
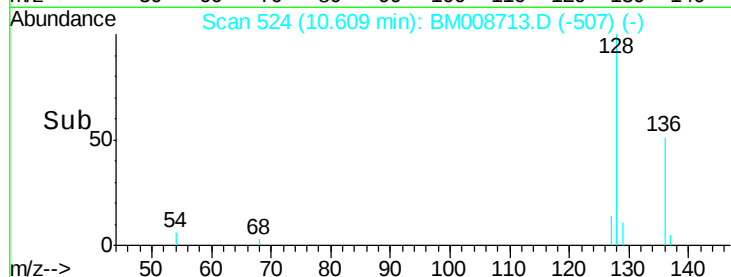
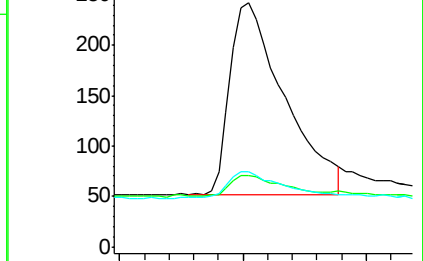
127 31.0 12.8 19.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#5

2-Methylnaphthalene

Concen: 0.34 ng/ul

RT: 12.23 min Scan# 674

Delta R.T. -0.01 min

Lab File: BM008713.D

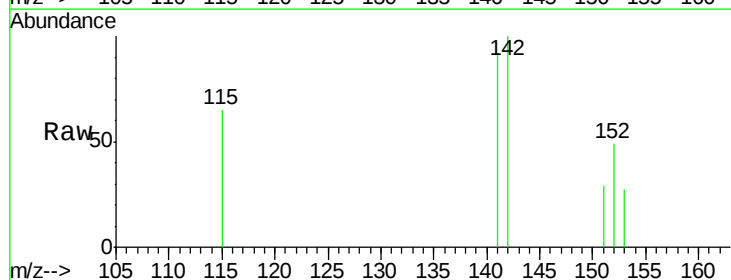
Acq: 29 Dec 2016 09:59

Tgt Ion:142 Resp: 722

Ion Ratio Lower Upper

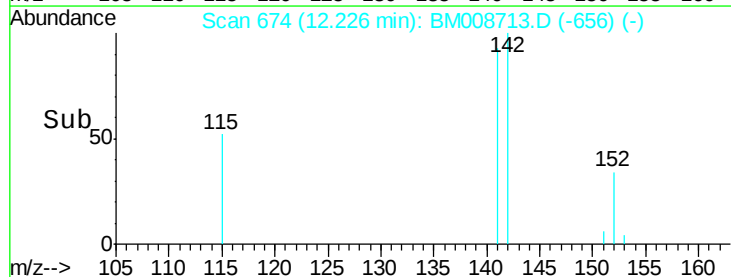
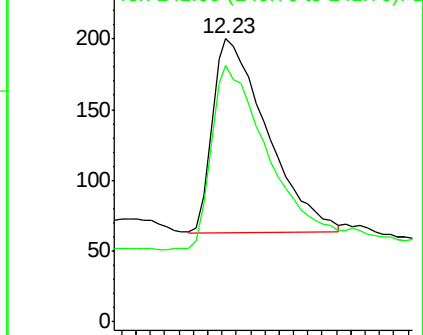
142 100

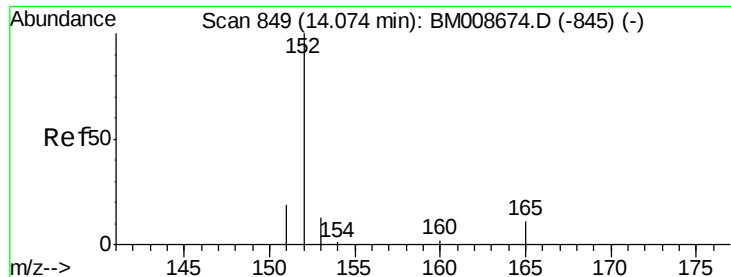
141 102.4 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. -0.00 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

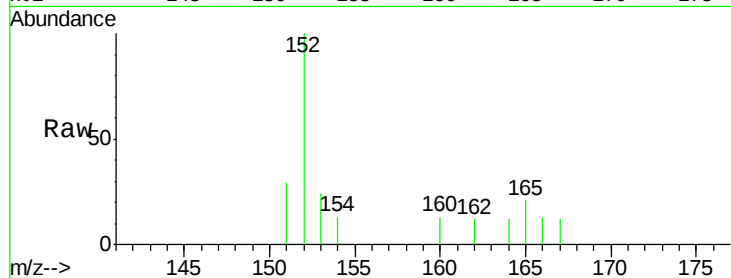
Tgt Ion:152 Resp: 1355

Ion Ratio Lower Upper

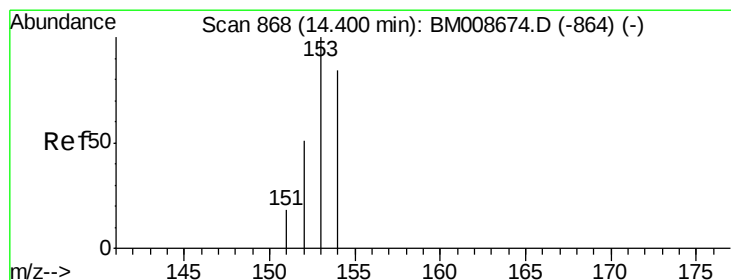
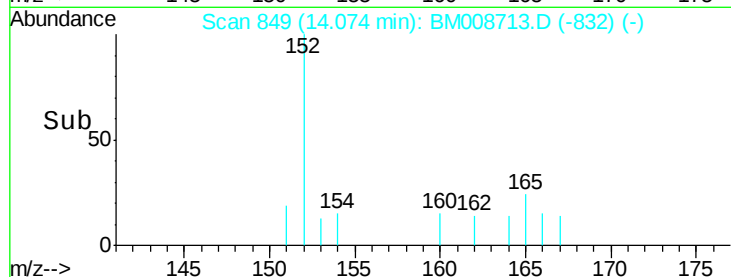
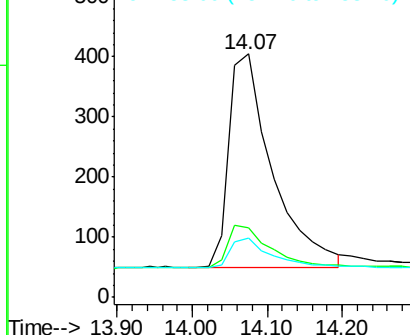
152 100

151 28.6 17.1 25.7#

153 24.2 12.8 19.2#



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



#8

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. -0.00 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

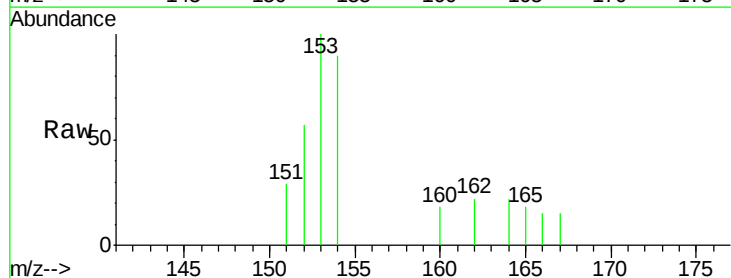
Tgt Ion:153 Resp: 953

Ion Ratio Lower Upper

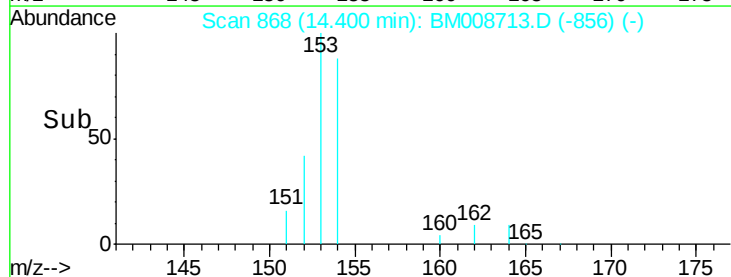
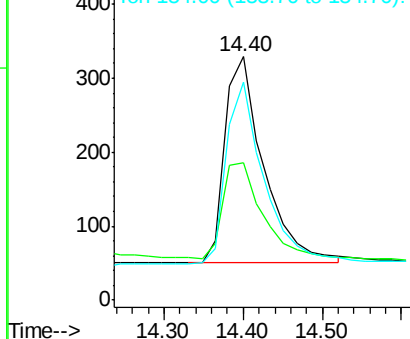
153 100

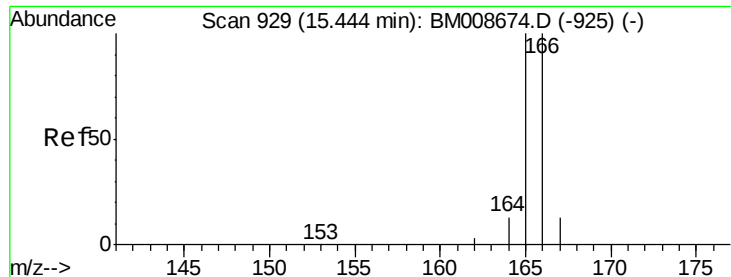
152 56.5 40.3 60.5

154 89.7 71.4 107.2



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

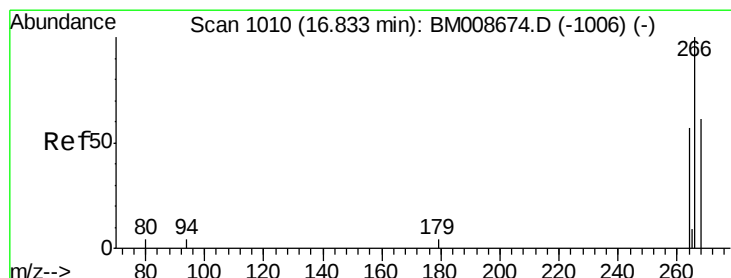
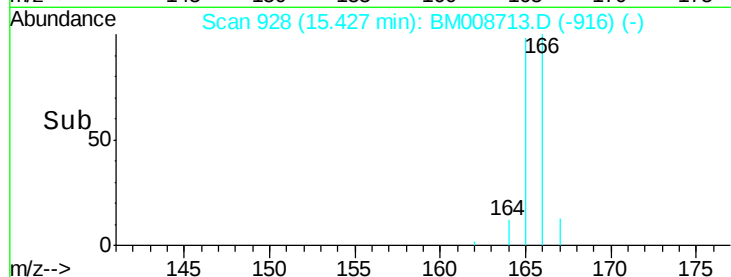
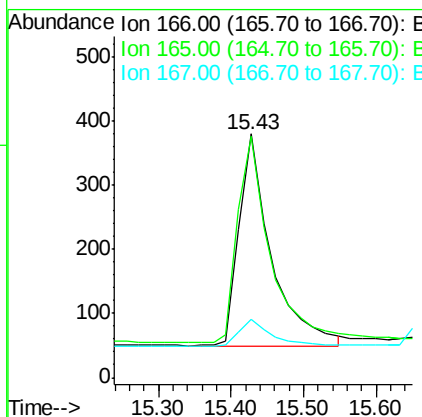
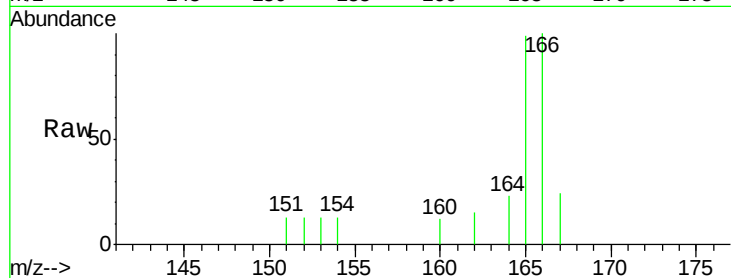




#9
Fluorene
 Concen: 0.38 ng/ul
 RT: 15.43 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: BM008713.D
 Acq: 29 Dec 2016 09:59

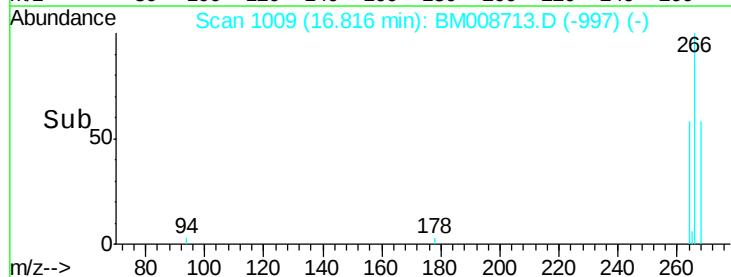
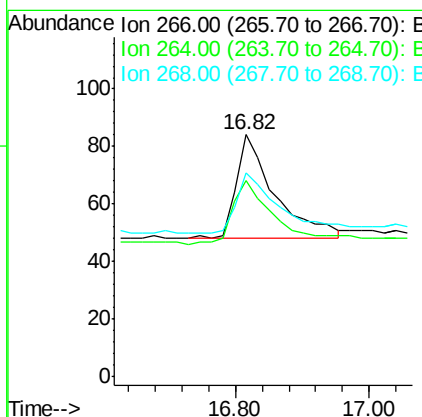
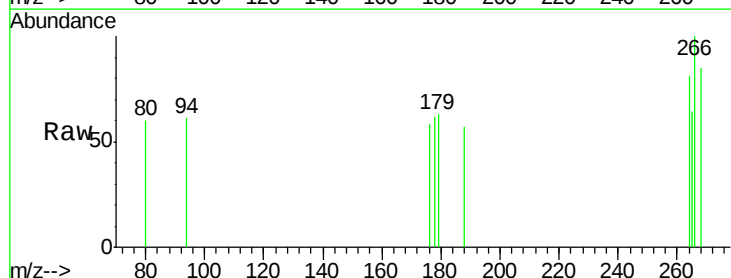
Instrument :
 BNA_M
 ClientSampleId :
 SST0.441

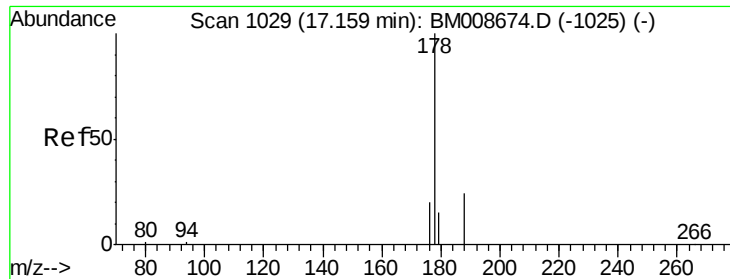
Tgt Ion:166 Resp: 1016
 Ion Ratio Lower Upper
 166 100
 165 99.2 73.4 110.2
 167 24.0 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.36 ng/ul
 RT: 16.82 min Scan# 1009
 Delta R.T. -0.00 min
 Lab File: BM008713.D
 Acq: 29 Dec 2016 09:59

Tgt Ion:266 Resp: 144
 Ion Ratio Lower Upper
 266 100
 264 66.0 47.9 71.9
 268 61.8 49.8 74.8





#12

Phenanthrene

Concen: 0.41 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. -0.00 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

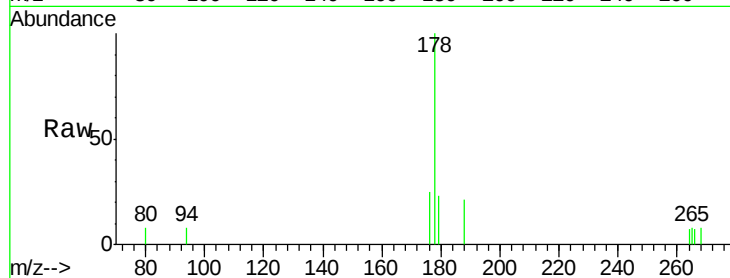
Tgt Ion:178 Resp: 1608

Ion Ratio Lower Upper

178 100

176 25.3 18.4 27.6

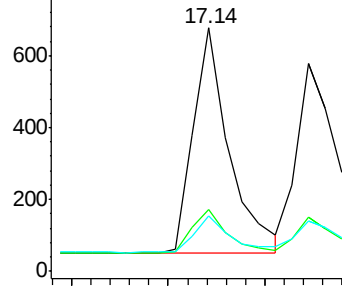
179 22.6 13.6 20.4#



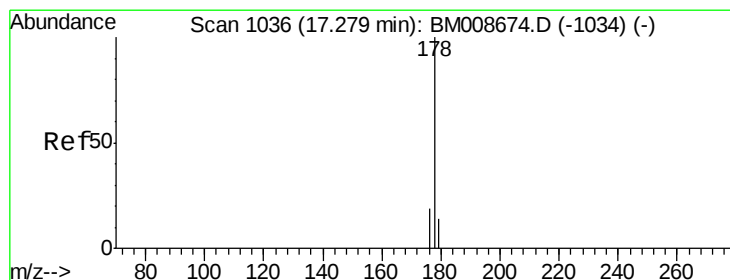
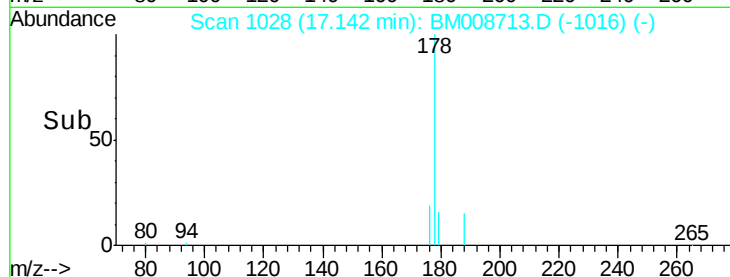
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#13

Anthracene

Concen: 0.42 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.02 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

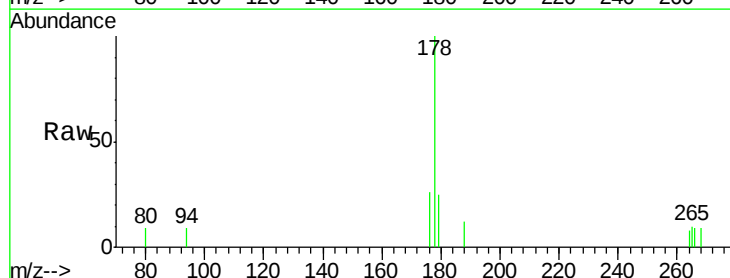
Tgt Ion:178 Resp: 1578

Ion Ratio Lower Upper

178 100

176 26.3 18.1 27.1

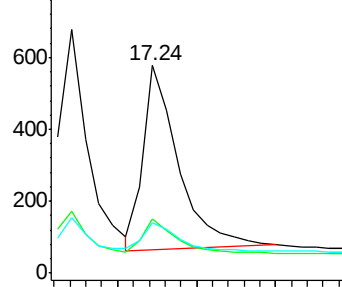
179 24.6 14.7 22.1#



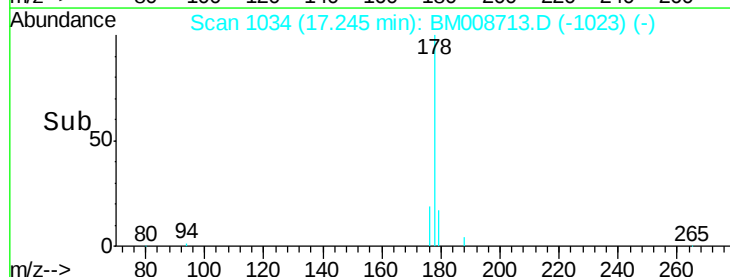
Abundance Ion 178.00 (177.70 to 178.70): E

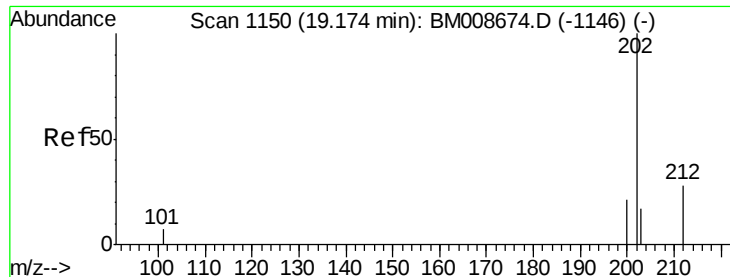
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->





#15

Fluoranthene

Concen: 0.45 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

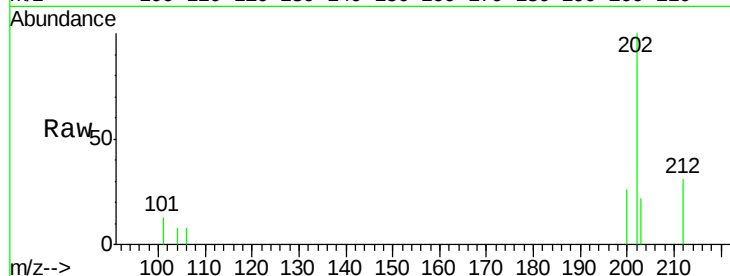
Tgt Ion:202 Resp: 2154

Ion Ratio Lower Upper

202 100

101 13.5 0.0 30.3

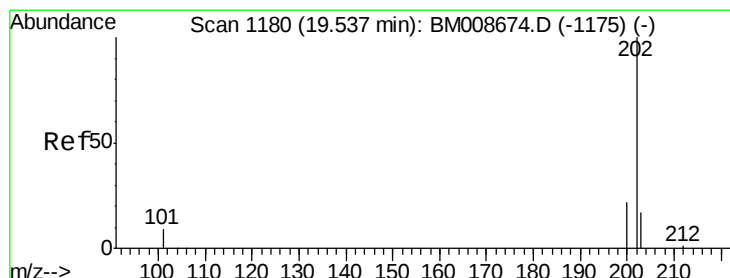
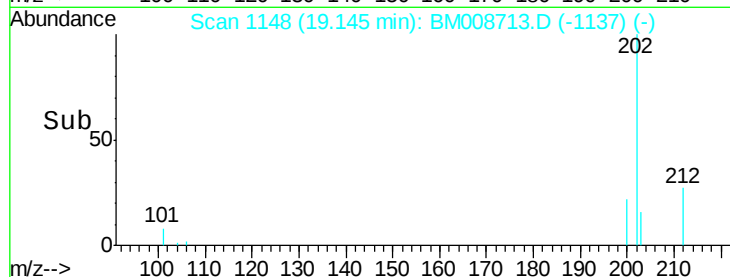
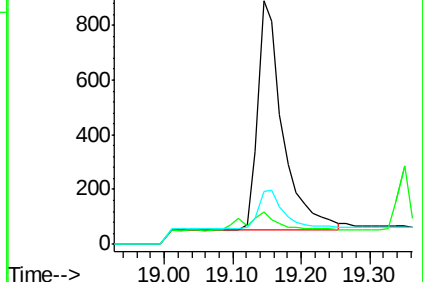
203 21.7 0.0 39.5



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



#17

Pyrene

Concen: 0.44 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.00 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

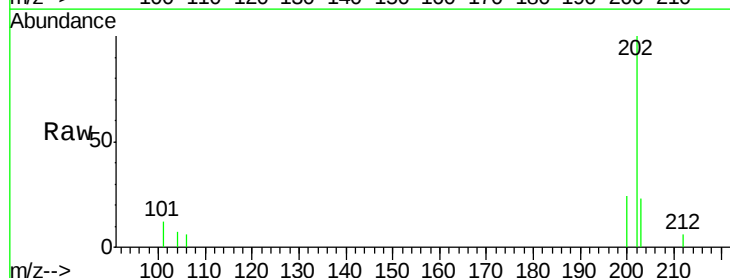
Tgt Ion:202 Resp: 2294

Ion Ratio Lower Upper

202 100

200 24.3 18.2 27.4

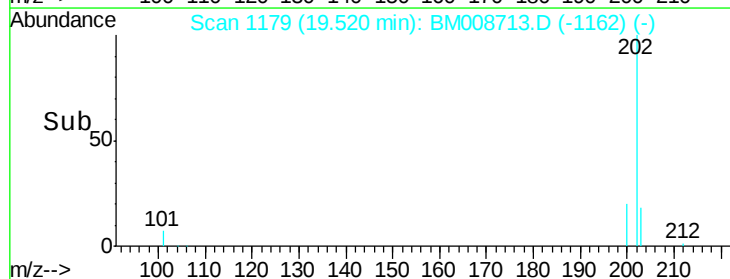
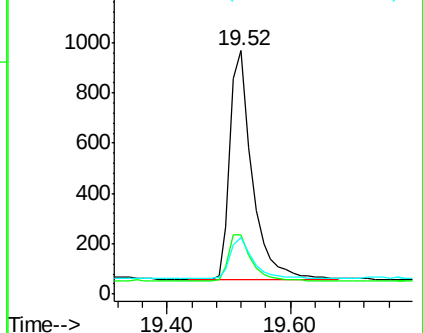
203 23.5 15.6 23.4#

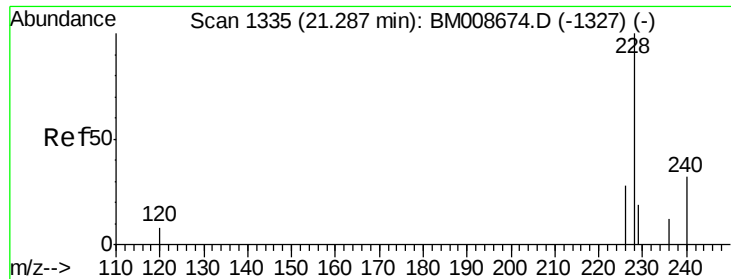


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.42 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

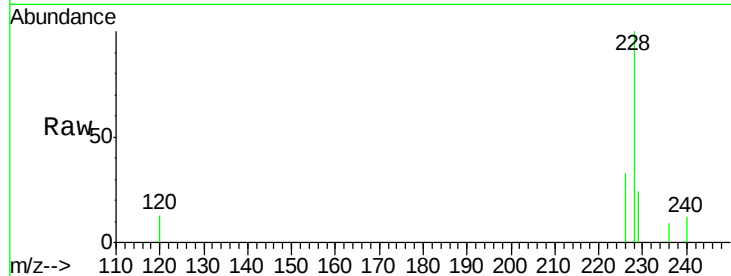
Tgt Ion:228 Resp: 1844

Ion Ratio Lower Upper

228 100

226 33.4 22.8 34.2

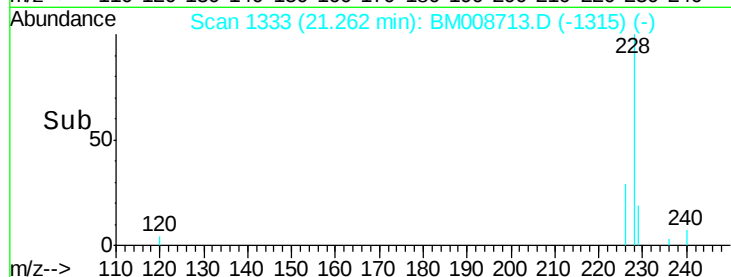
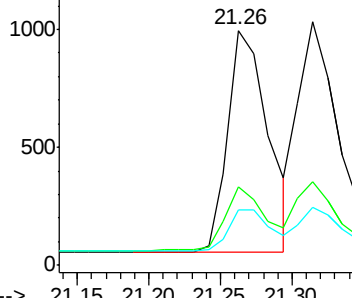
229 23.8 17.0 25.6



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



#19

Chrysene

Concen: 0.43 ng/ul

RT: 21.31 min Scan# 1338

Delta R.T. -0.01 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

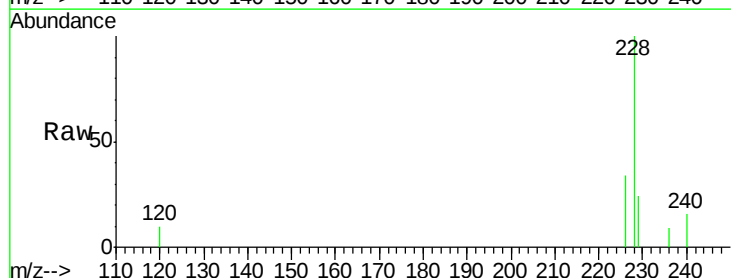
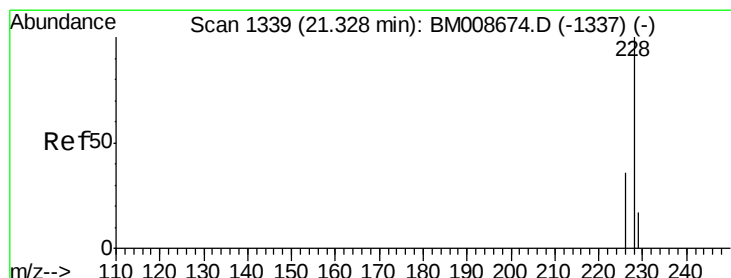
Tgt Ion:228 Resp: 2092

Ion Ratio Lower Upper

228 100

226 34.4 23.4 35.0

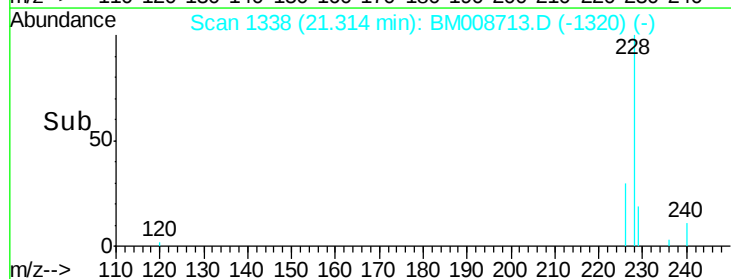
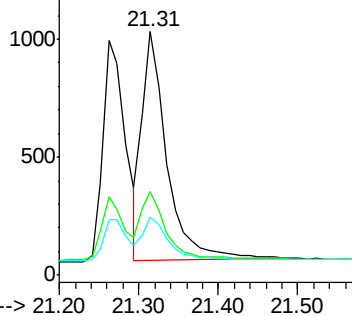
229 23.9 17.7 26.5

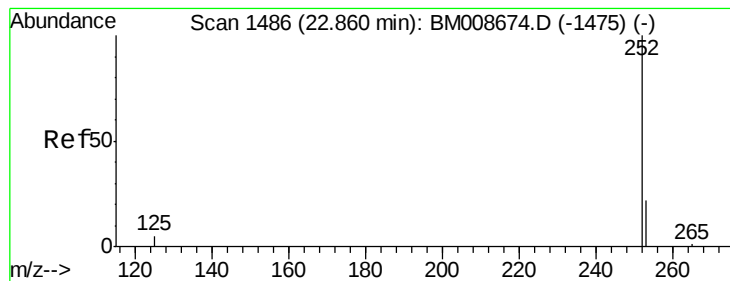


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.39 ng/u1

RT: 22.85 min Scan# 1485

Delta R.T. -0.00 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

Instrument :

BNA_M

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SSTD0.441

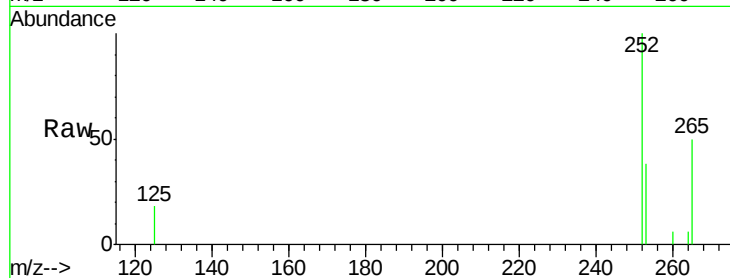
Tgt Ion:252 Resp: 2033

Ion Ratio Lower Upper

252 100

253 37.8 0.0 64.2

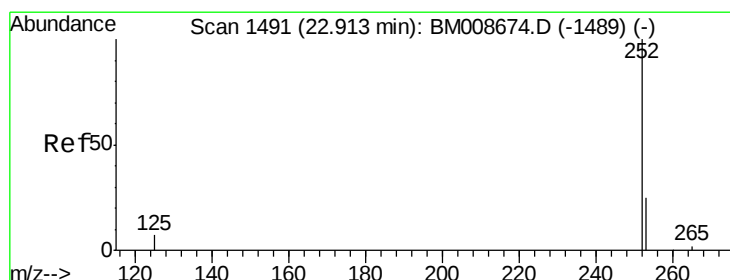
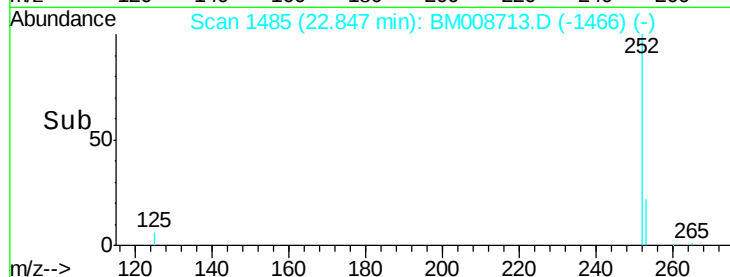
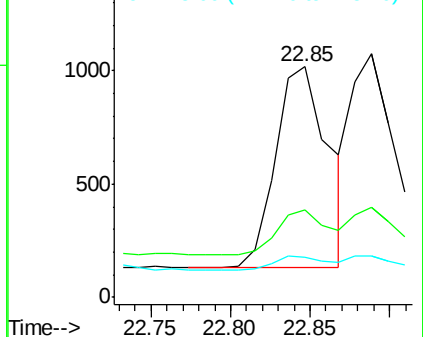
125 17.6 0.0 35.0



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



#22

Benzo(k)fluoranthene

Concen: 0.39 ng/u1

RT: 22.89 min Scan# 1489

Delta R.T. -0.00 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

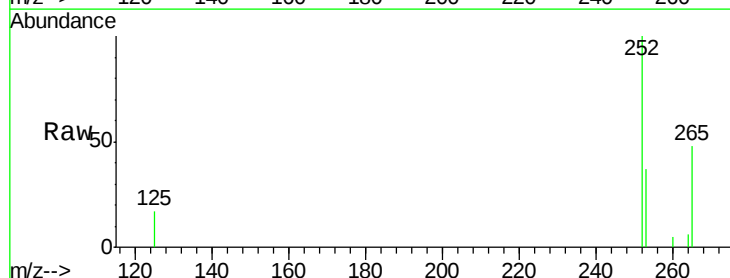
Tgt Ion:252 Resp: 2008

Ion Ratio Lower Upper

252 100

253 36.8 24.5 36.7#

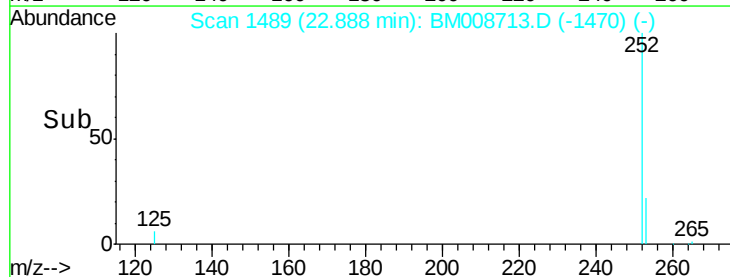
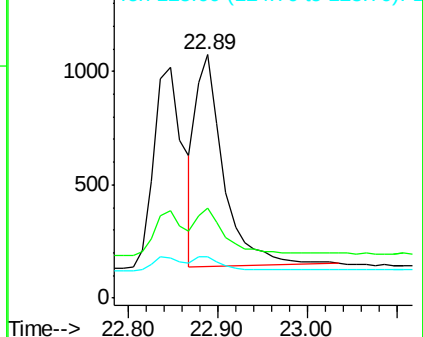
125 17.0 13.7 20.5

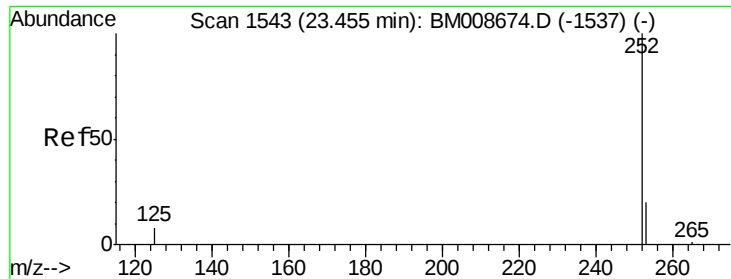


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 23.43 min Scan# 1541

Delta R.T. -0.00 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

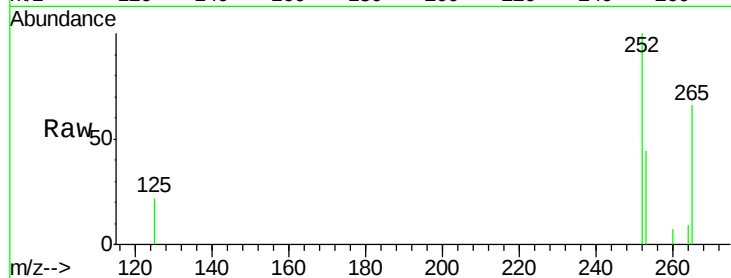
Tgt Ion: 252 Resp: 1997

Ion Ratio Lower Upper

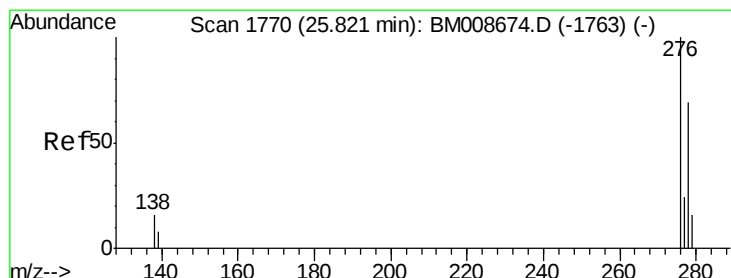
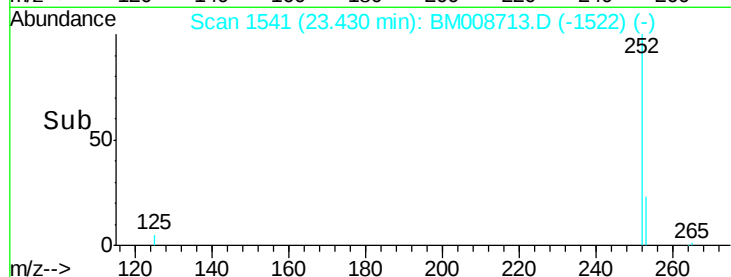
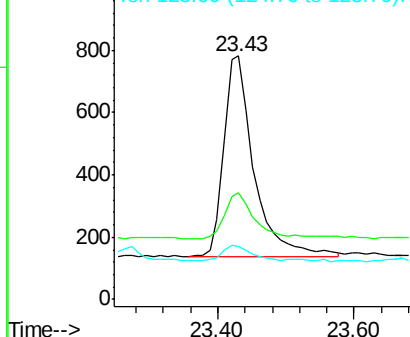
252 100

253 43.6 28.5 42.7#

125 21.7 18.1 27.1



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



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.39 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

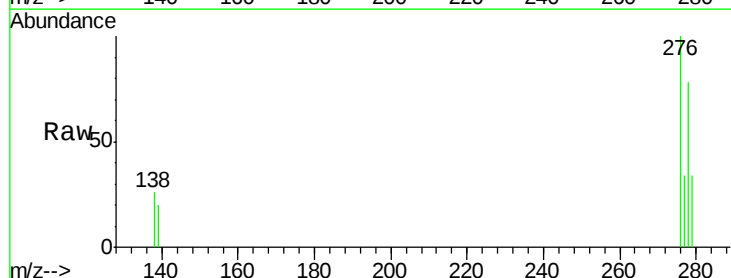
Tgt Ion: 276 Resp: 2275

Ion Ratio Lower Upper

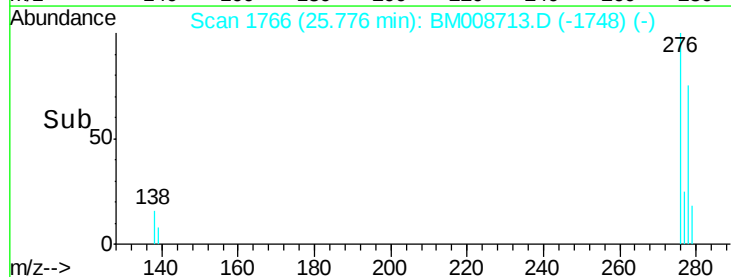
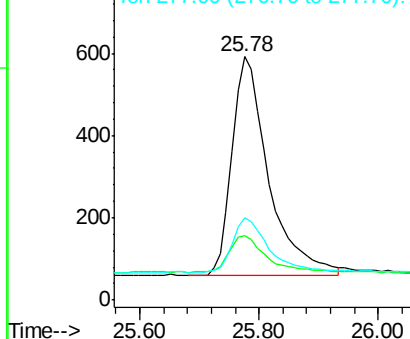
276 100

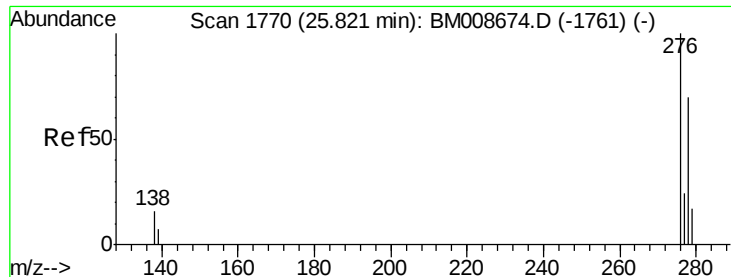
138 16.9 19.1 28.7#

277 25.1 19.6 29.4



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





#25

Dibenzo(a,h)anthracene

Concen: 0.39 ng/ul

RT: 25.78 min Scan# 1766

Delta R.T. -0.01 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

Instrument :

BNA_M

ClientSampleId :

SSTD0.441

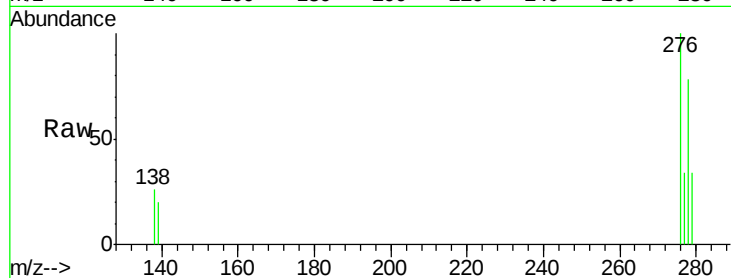
Tgt Ion:278 Resp: 1791

Ion Ratio Lower Upper

278 100

139 26.1 17.4 26.0#

279 43.8 25.9 38.9#

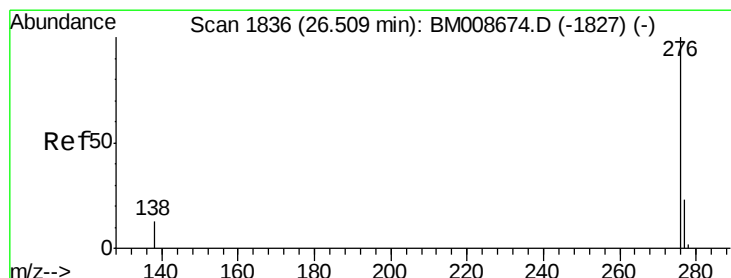
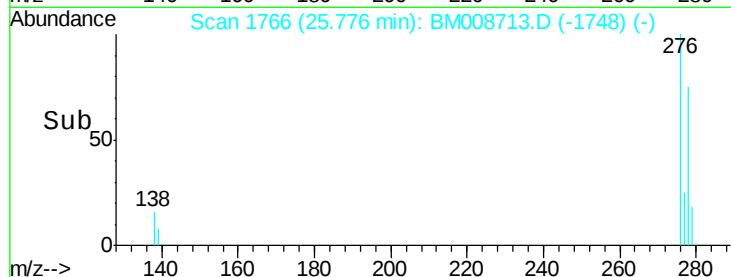
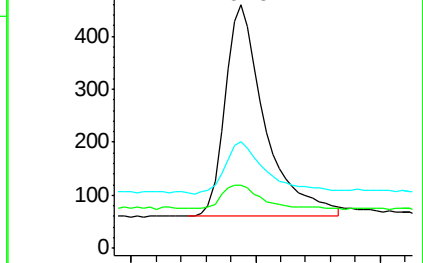


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

25.78



#26

Benzo(g,h,i)perylene

Concen: 0.40 ng/ul

RT: 26.47 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BM008713.D

Acq: 29 Dec 2016 09:59

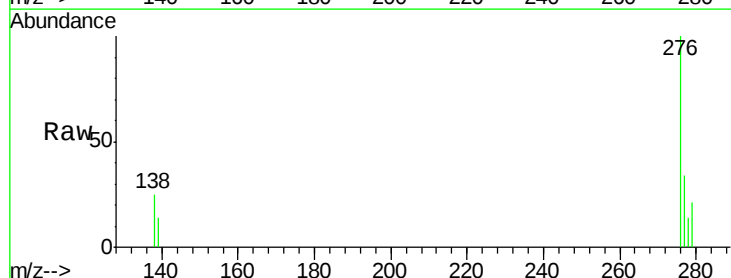
Tgt Ion:276 Resp: 1965

Ion Ratio Lower Upper

276 100

277 33.8 21.8 32.8#

138 25.1 20.5 30.7



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

26.47

