

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122816\
 Data File : BM008711.D
 Acq On : 29 Dec 2016 03:24
 Operator : UM/SJ
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.440

Quant Time: Dec 29 05:06:51 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	7.81	152	262	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.52	136	1028	0.40	ng/ul	-0.04
6) Acenaphthene-d10	14.33	164	649	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.09	188	1218	0.40	ng/ul	-0.02
16) Chrysene-d12	21.27	240	1337	0.40	ng/ul	-0.01
20) Perylene-d12	23.51	264	1315	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.13	152	608	0.39	ng/ul	-0.03
14) Fluoranthene-d10	19.11	212	2265	0.68	ng/ul	-0.02

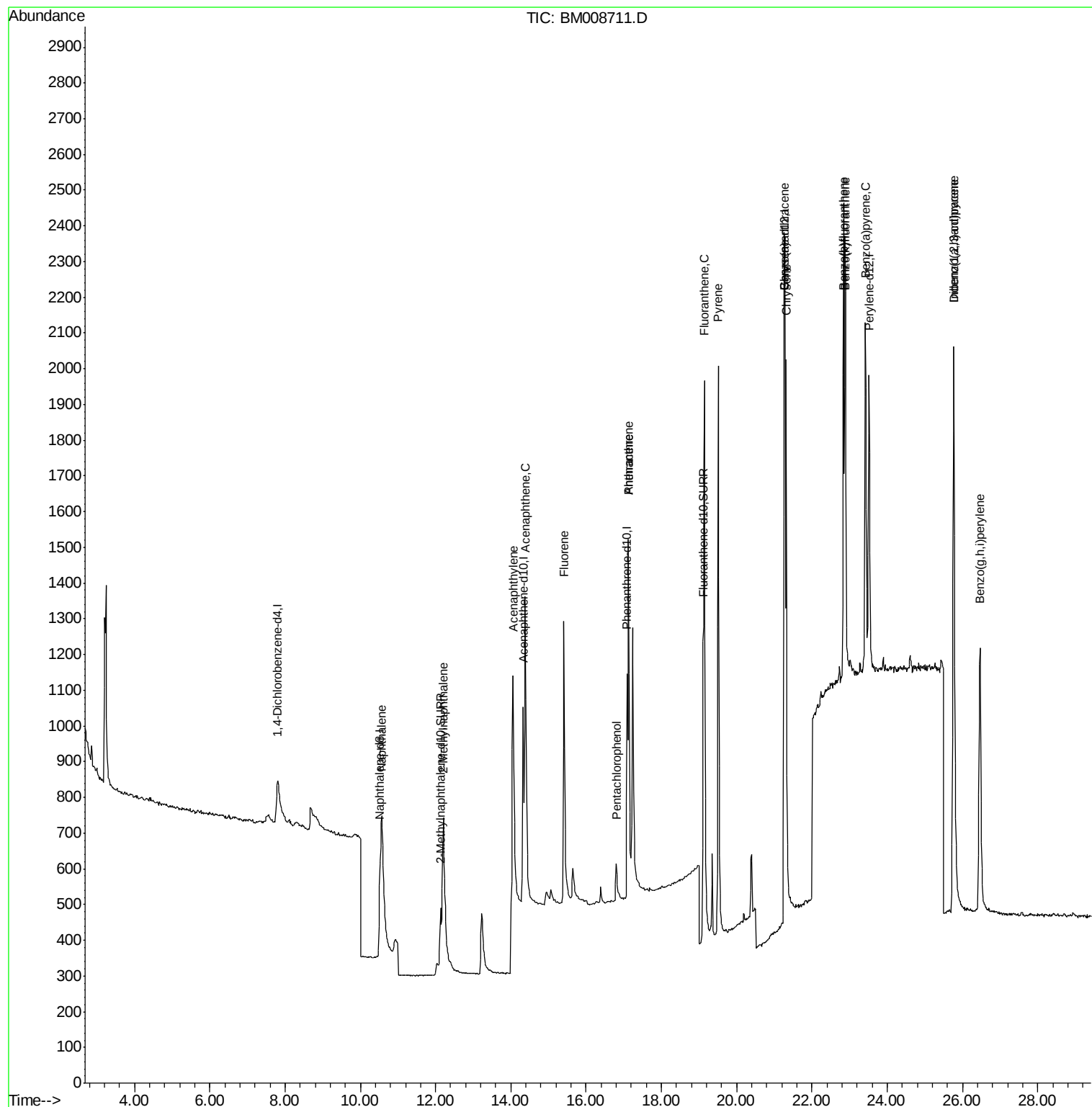
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.57	128	1145	0.40	ng/ul#	66
5) 2-Methylnaphthalene	12.21	142	706	0.36	ng/ul	89
7) Acenaphthylene	14.06	152	1405	0.48	ng/ul#	88
8) Acenaphthene	14.38	153	917	0.42	ng/ul	96
9) Fluorene	15.41	166	989	0.39	ng/ul#	91
11) Pentachlorophenol	16.80	266	161	0.43	ng/ul	99
12) Phenanthrene	17.12	178	1550	0.42	ng/ul#	92
13) Anthracene	17.12	178	1550	0.43	ng/ul	93
15) Fluoranthene	19.14	202	2104	0.46	ng/ul	97
17) Pyrene	19.51	202	2196	0.42	ng/ul	95
18) Benzo(a)anthracene	21.26	228	1823	0.42	ng/ul	93
19) Chrysene	21.31	228	2064	0.43	ng/ul	91
21) Benzo(b)fluoranthene	22.84	252	1928	0.37	ng/ul	95
22) Benzo(k)fluoranthene	22.88	252	2053	0.41	ng/ul	93
23) Benzo(a)pyrene	23.42	252	1989	0.41	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.77	276	2349	0.41	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.77	278	1835	0.40	ng/ul#	88
26) Benzo(g,h,i)perylene	26.46	276	2016	0.41	ng/ul#	94

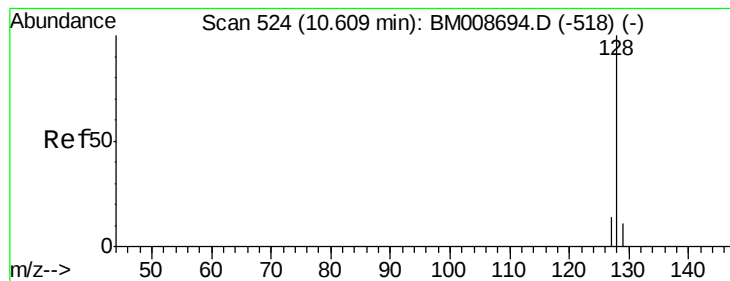
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.57 min Scan# 521

Delta R.T. -0.04 min

Lab File: BM008711.D

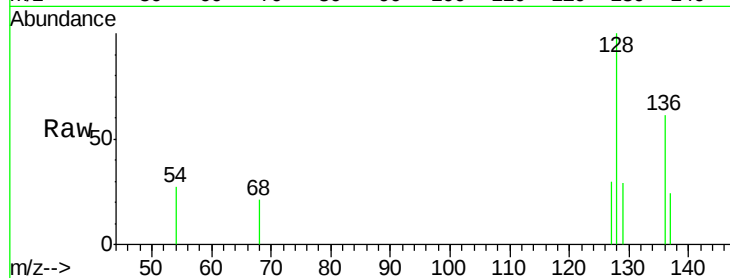
Acq: 29 Dec 2016 03:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.440



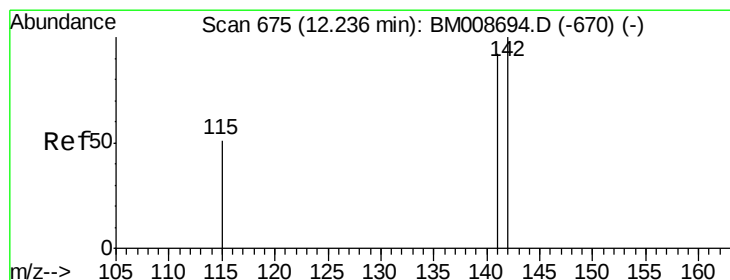
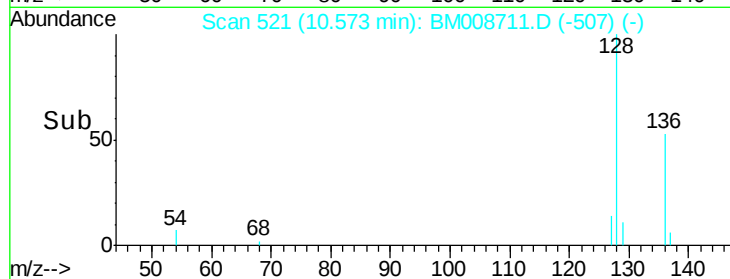
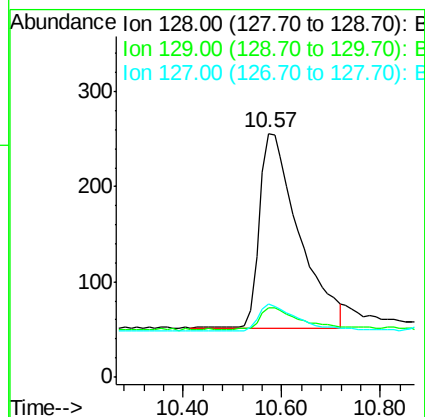
Tgt Ion:128 Resp: 1145

Ion Ratio Lower Upper

128 100

129 28.5 11.3 16.9#

127 30.1 12.8 19.2#



#5

2-Methylnaphthalene

Concen: 0.36 ng/ul

RT: 12.21 min Scan# 672

Delta R.T. -0.03 min

Lab File: BM008711.D

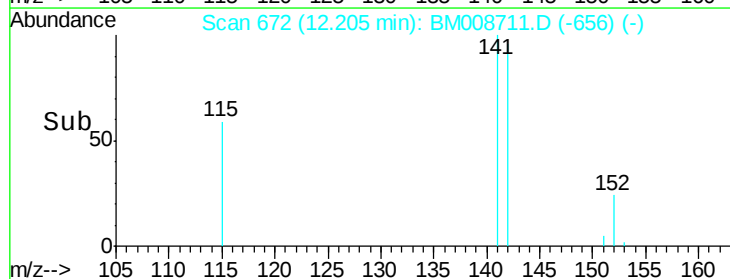
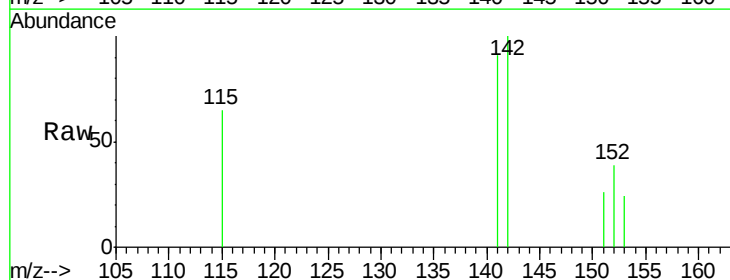
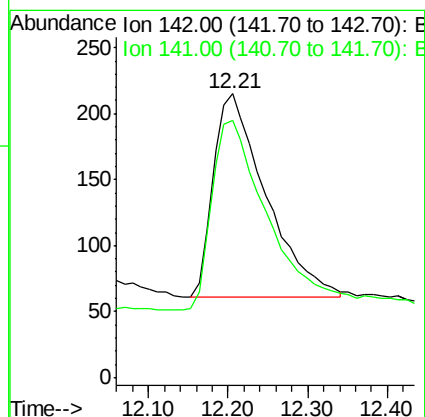
Acq: 29 Dec 2016 03:24

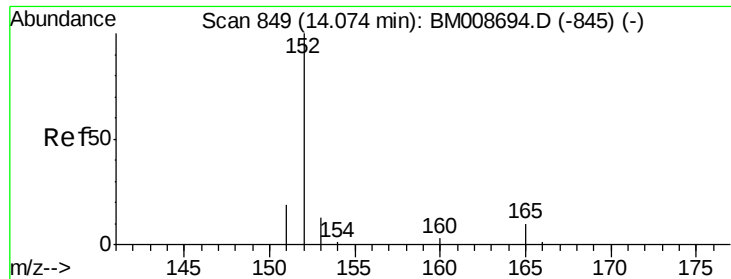
Tgt Ion:142 Resp: 706

Ion Ratio Lower Upper

142 100

141 101.3 72.6 108.8





#7

Acenaphthylene

Concen: 0.48 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. -0.02 min

Lab File: BM008711.D

Acq: 29 Dec 2016 03:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.440

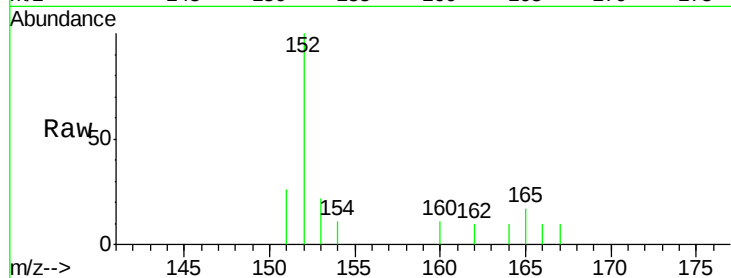
Tgt Ion:152 Resp: 1405

Ion Ratio Lower Upper

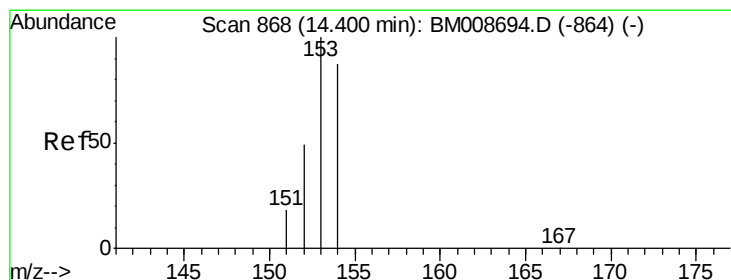
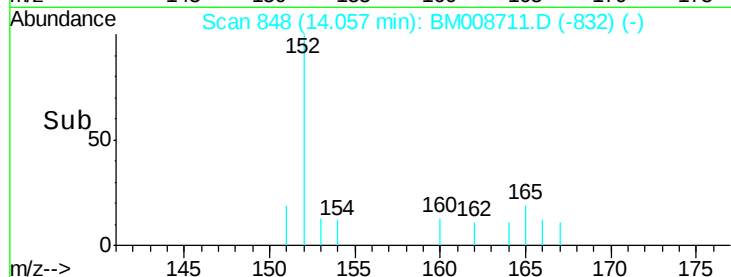
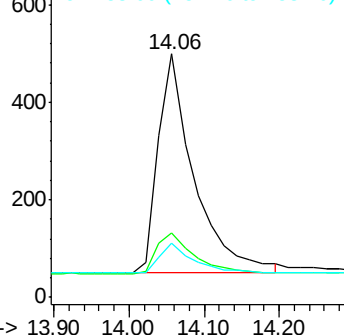
152 100

151 26.5 17.1 25.7#

153 22.2 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: 0.42 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. -0.02 min

Lab File: BM008711.D

Acq: 29 Dec 2016 03:24

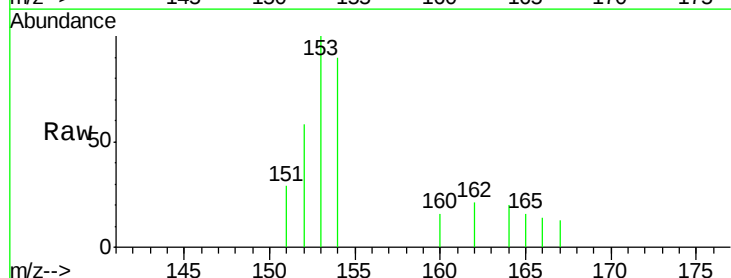
Tgt Ion:153 Resp: 917

Ion Ratio Lower Upper

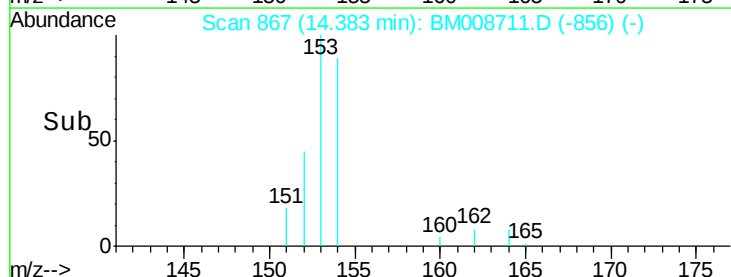
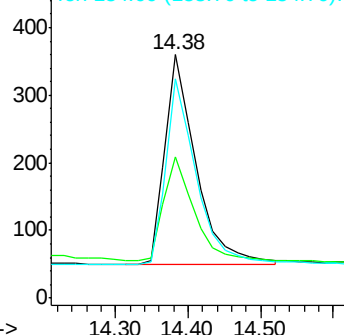
153 100

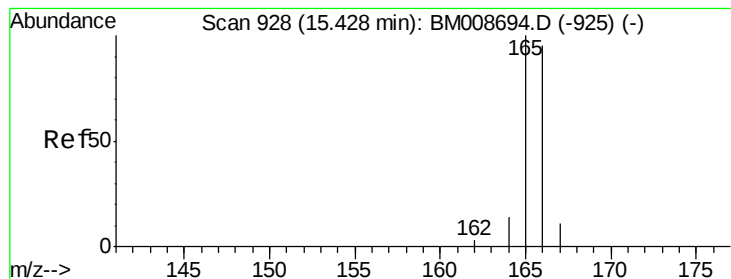
152 57.8 40.3 60.5

154 90.0 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: 0.39 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. -0.02 min

Lab File: BM008711.D

Acq: 29 Dec 2016 03:24

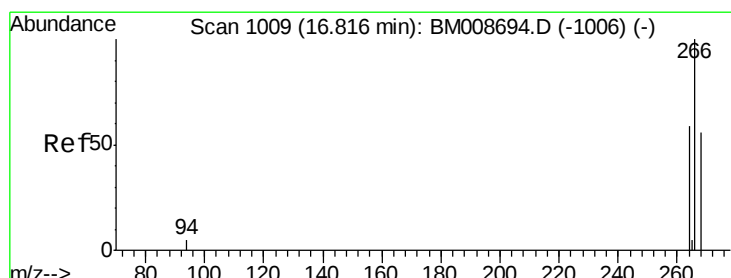
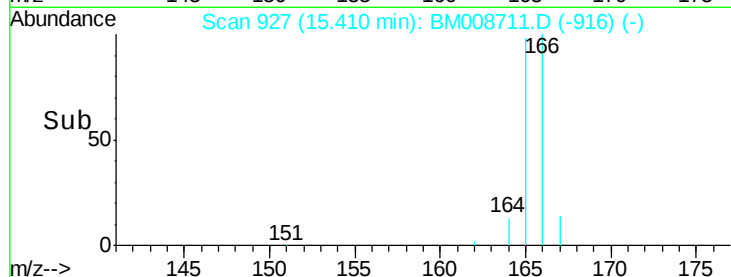
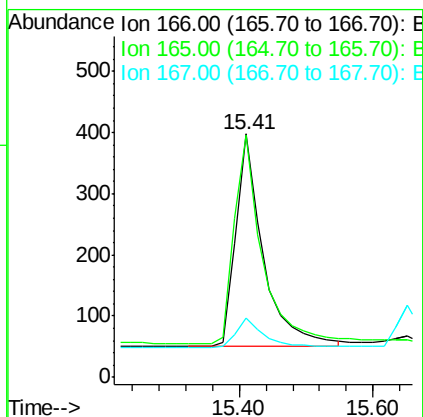
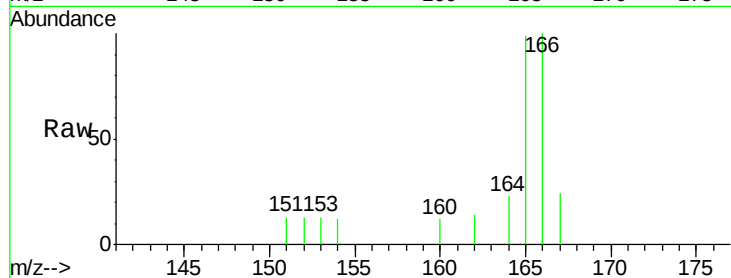
Instrument :

BNA_M

ClientSampleId :

SSTD0.440

Tgt Ion:	166	Resp:	989
Ion	Ratio	Lower	Upper
166	100		
165	99.5	73.4	110.2
167	24.1	14.6	22.0#



#11

Pentachlorophenol

Concen: 0.43 ng/ul

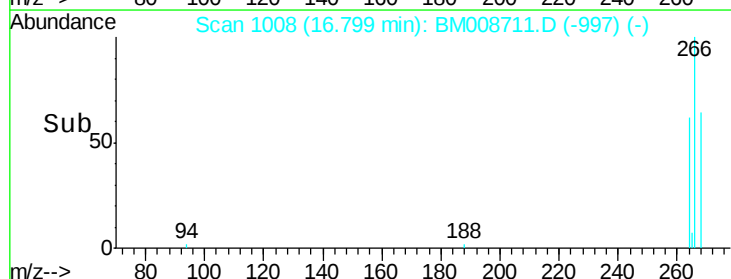
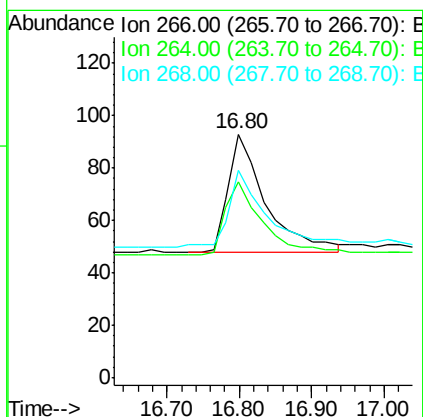
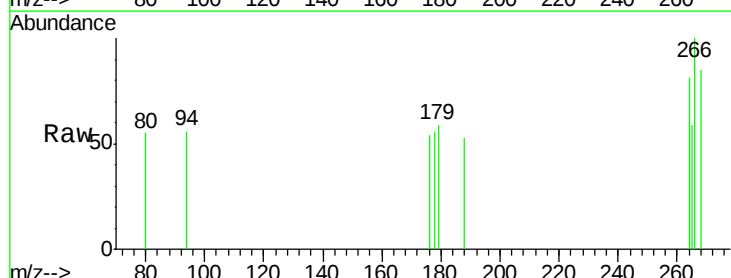
RT: 16.80 min Scan# 1008

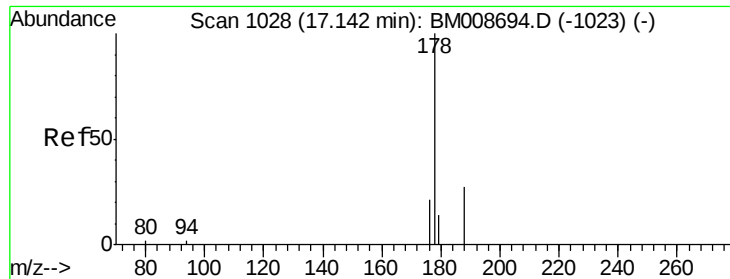
Delta R.T. -0.02 min

Lab File: BM008711.D

Acq: 29 Dec 2016 03:24

Tgt Ion:	266	Resp:	161
Ion	Ratio	Lower	Upper
266	100		
264	61.5	47.9	71.9
268	62.7	49.8	74.8





#12

Phenanthrene

Concen: 0.42 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.02 min

Lab File: BM008711.D

Acq: 29 Dec 2016 03:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.440

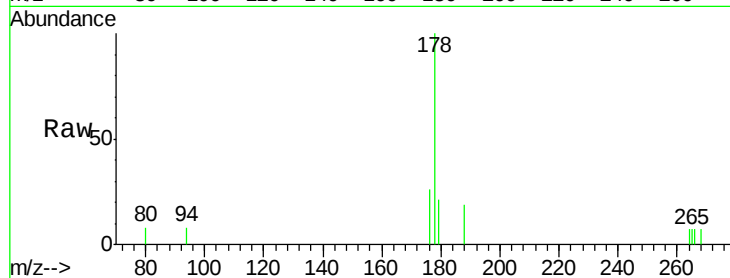
Tgt Ion:178 Resp: 1550

Ion Ratio Lower Upper

178 100

176 26.2 18.4 27.6

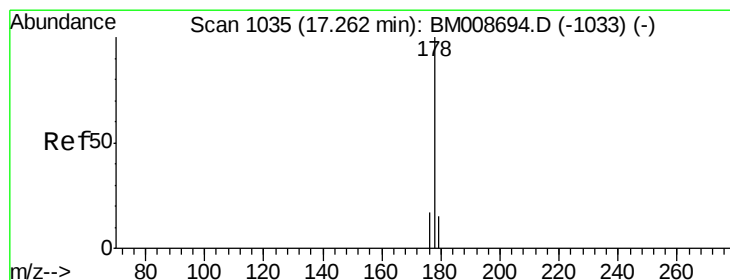
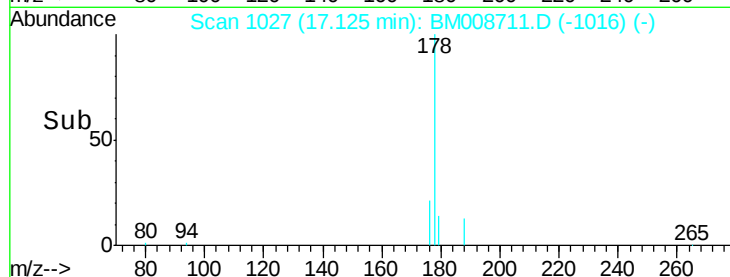
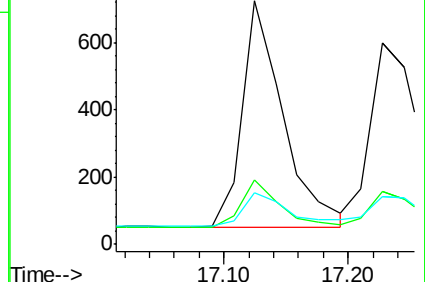
179 21.0 13.6 20.4#



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



#13

Anthracene

Concen: 0.43 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. -0.14 min

Lab File: BM008711.D

Acq: 29 Dec 2016 03:24

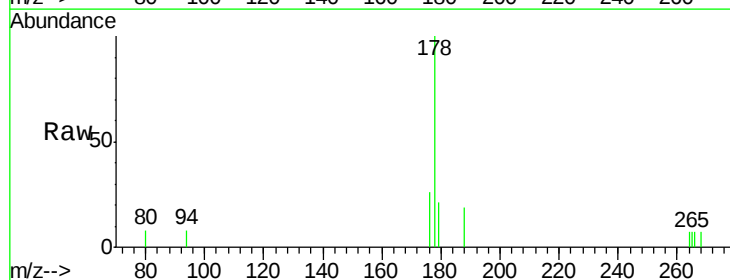
Tgt Ion:178 Resp: 1550

Ion Ratio Lower Upper

178 100

176 26.2 18.1 27.1

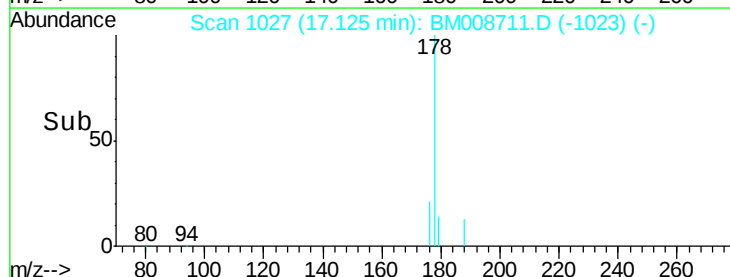
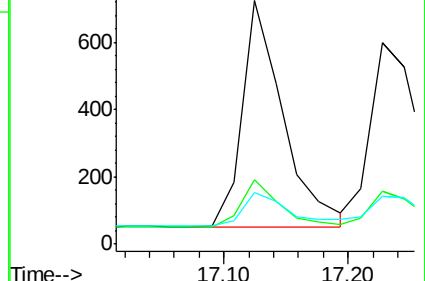
179 21.0 14.7 22.1

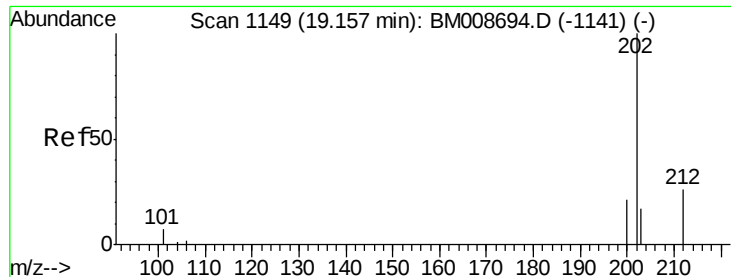


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

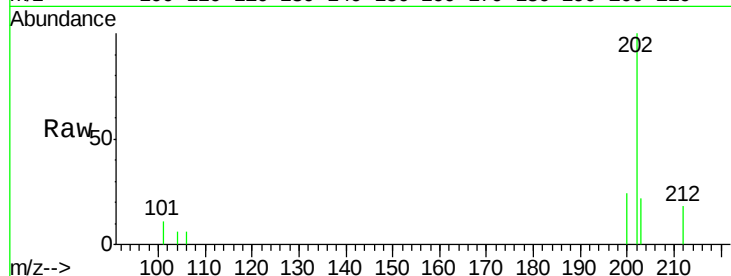




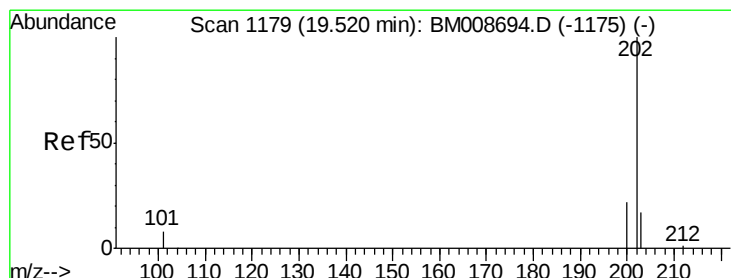
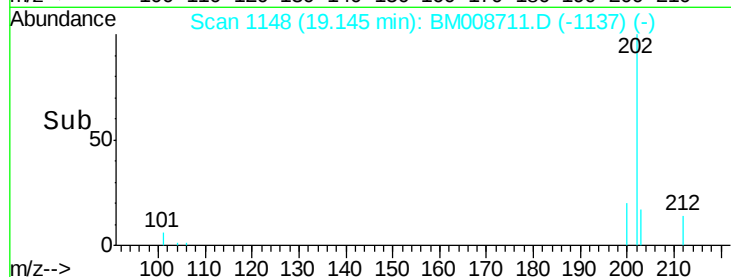
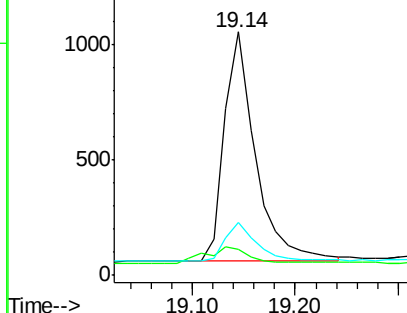
#15
Fluoranthene
 Concen: 0.46 ng/ul
 RT: 19.14 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: BM008711.D
 Acq: 29 Dec 2016 03:24

Instrument :
 BNA_M
 ClientSampleId :
 SST0.440

Tgt Ion: 202 Resp: 2104
 Ion Ratio Lower Upper
 202 100
 101 10.5 0.0 30.3
 203 21.8 0.0 39.5

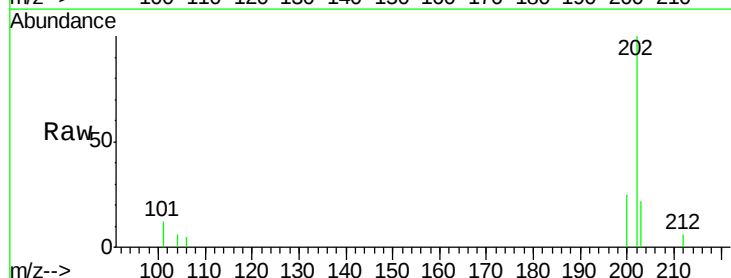


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 101.00 (100.70 to 101.70): E
 Ion 203.00 (202.70 to 203.70): E

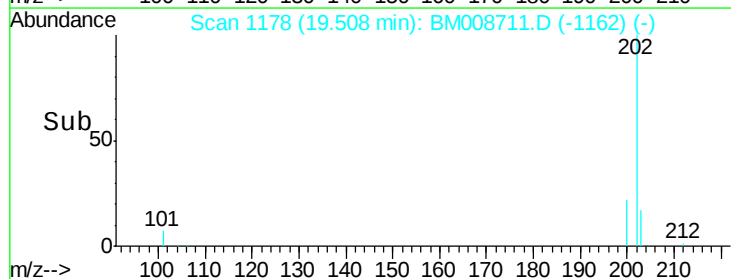
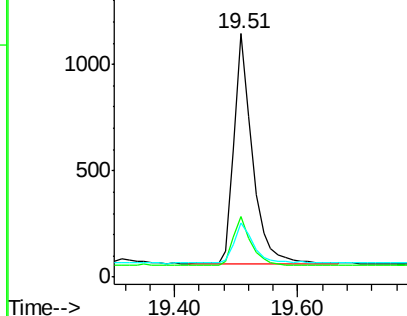


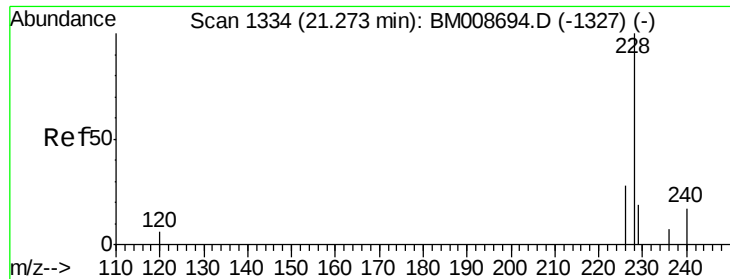
#17
Pyrene
 Concen: 0.42 ng/ul
 RT: 19.51 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: BM008711.D
 Acq: 29 Dec 2016 03:24

Tgt Ion: 202 Resp: 2196
 Ion Ratio Lower Upper
 202 100
 200 25.2 18.2 27.4
 203 22.1 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: BM008711.D

Acq: 29 Dec 2016 03:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.440

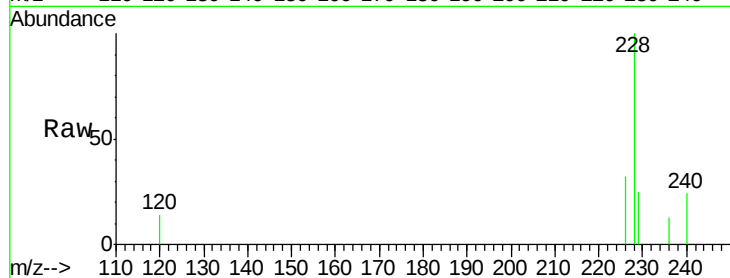
Tgt Ion:228 Resp: 1823

Ion Ratio Lower Upper

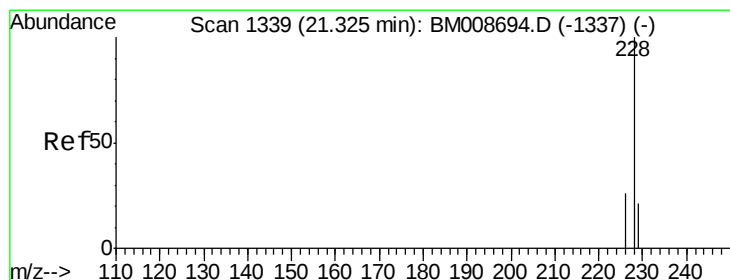
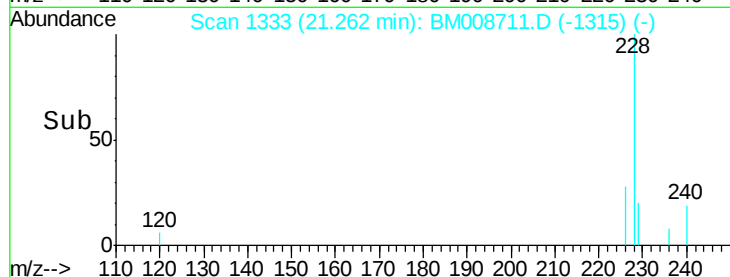
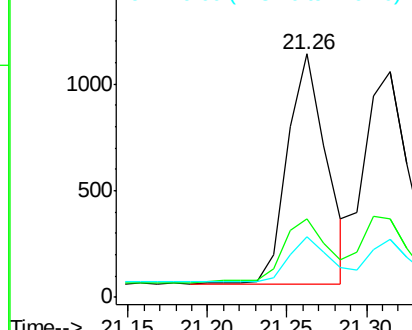
228 100

226 32.5 22.8 34.2

229 24.7 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: BM008711.D

Acq: 29 Dec 2016 03:24

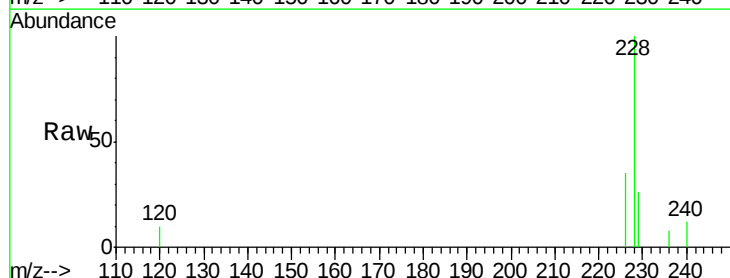
Tgt Ion:228 Resp: 2064

Ion Ratio Lower Upper

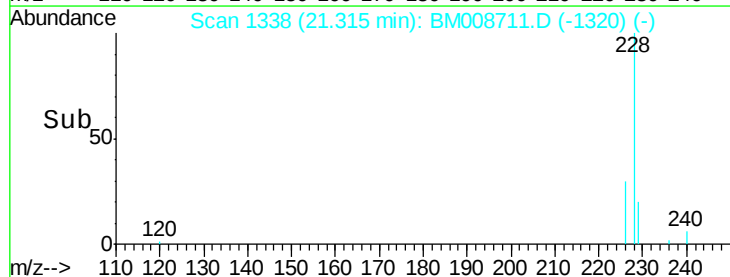
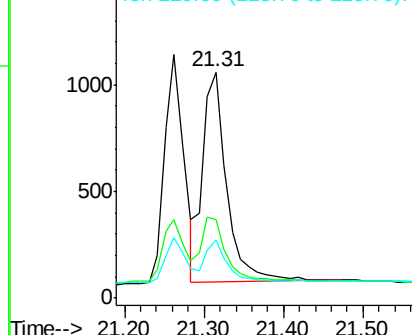
228 100

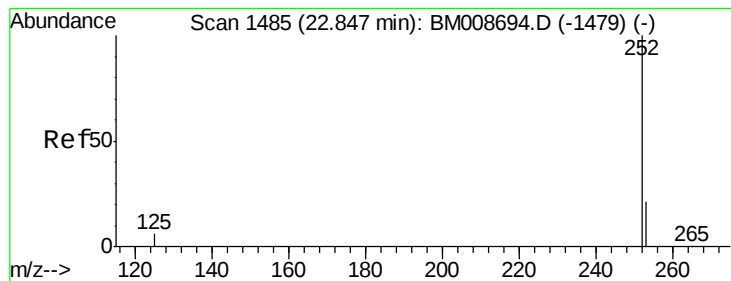
226 34.9 23.4 35.0

229 25.5 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: 0.37 ng/ul

RT: 22.84 min Scan# 1484

Delta R.T. -0.01 min

Lab File: BM008711.D

Acq: 29 Dec 2016 03:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.440

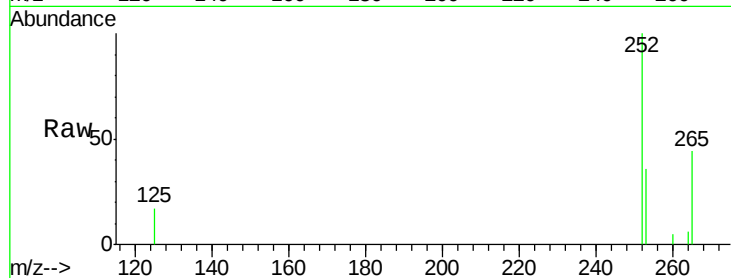
Tgt Ion:252 Resp: 1928

Ion Ratio Lower Upper

252 100

253 35.9 0.0 64.2

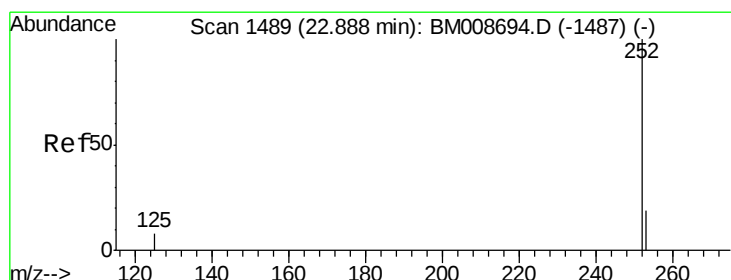
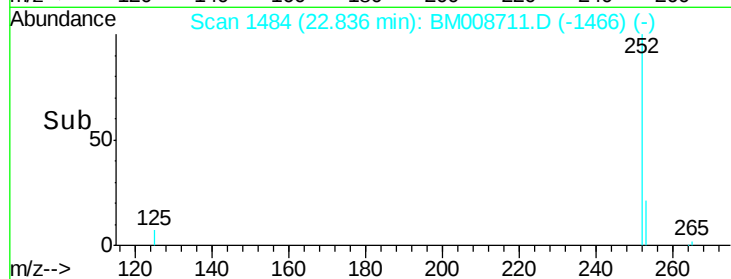
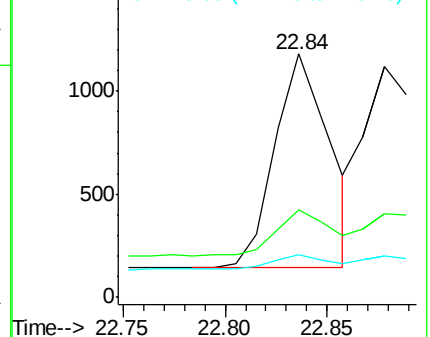
125 17.4 0.0 35.0



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: 0.41 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.01 min

Lab File: BM008711.D

Acq: 29 Dec 2016 03:24

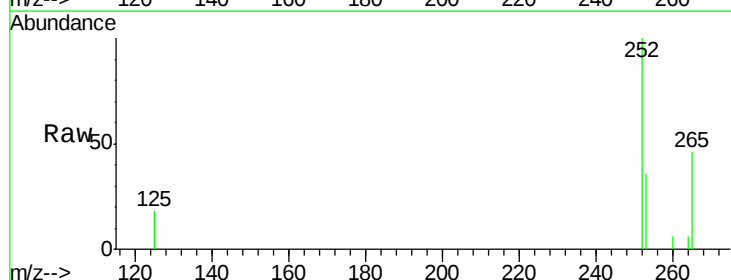
Tgt Ion:252 Resp: 2053

Ion Ratio Lower Upper

252 100

253 36.0 24.5 36.7

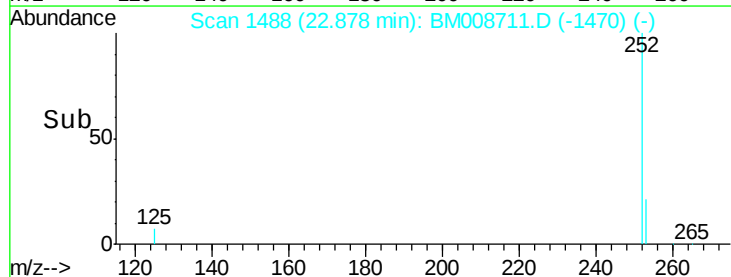
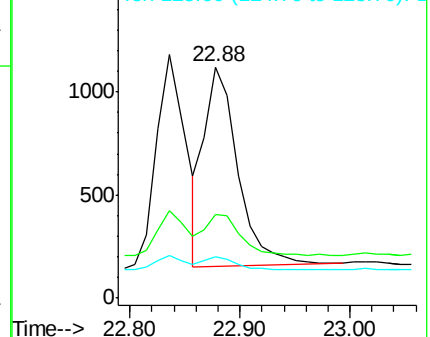
125 17.9 13.7 20.5

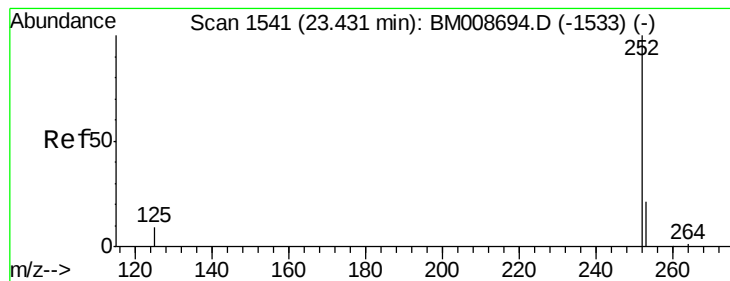


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.42 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BM008711.D

Acq: 29 Dec 2016 03:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.440

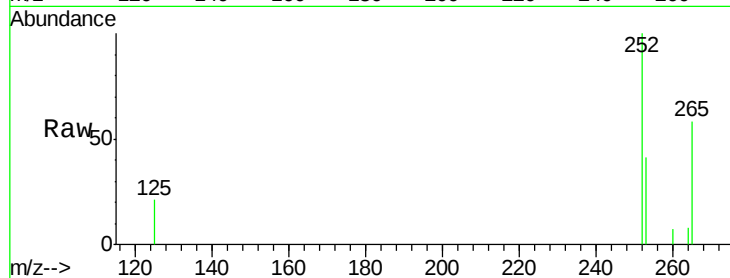
Tgt Ion: 252 Resp: 1989

Ion Ratio Lower Upper

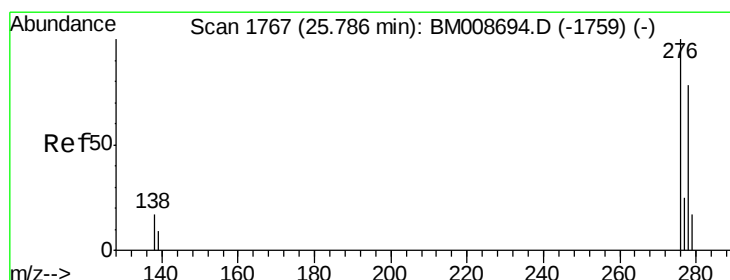
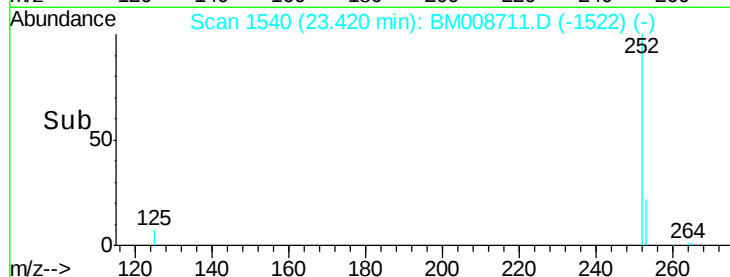
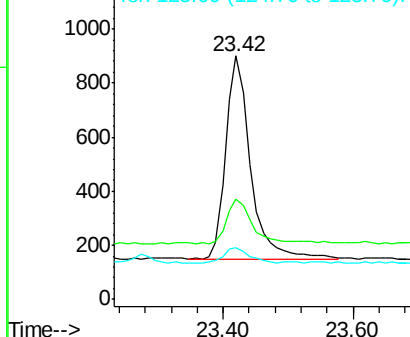
252 100

253 41.0 28.5 42.7

125 21.4 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: 0.41 ng/ul

RT: 25.77 min Scan# 1765

Delta R.T. -0.02 min

Lab File: BM008711.D

Acq: 29 Dec 2016 03:24

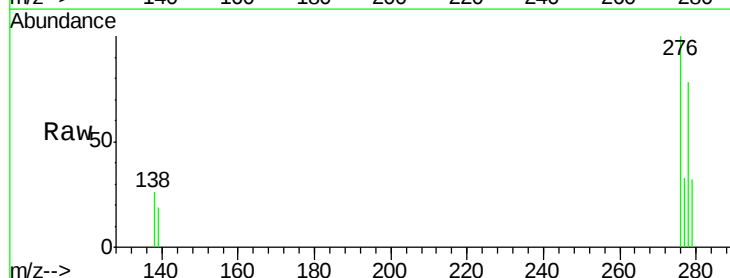
Tgt Ion: 276 Resp: 2349

Ion Ratio Lower Upper

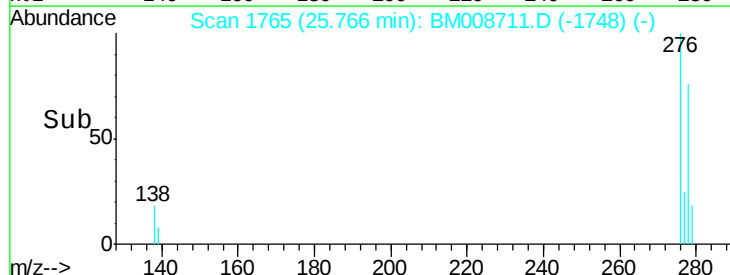
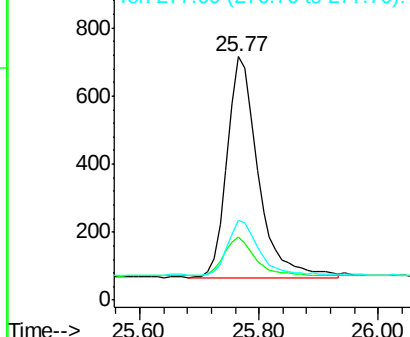
276 100

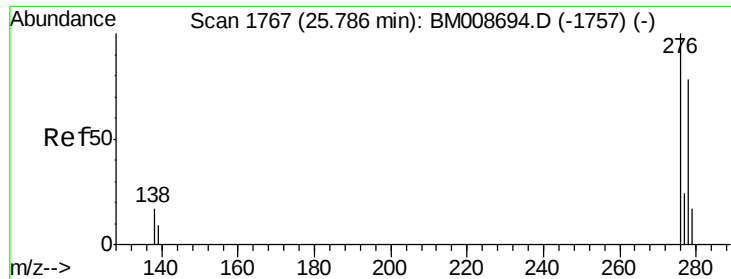
138 17.4 19.1 28.7#

277 24.9 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



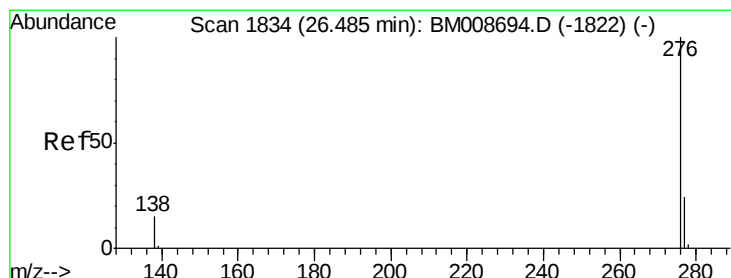
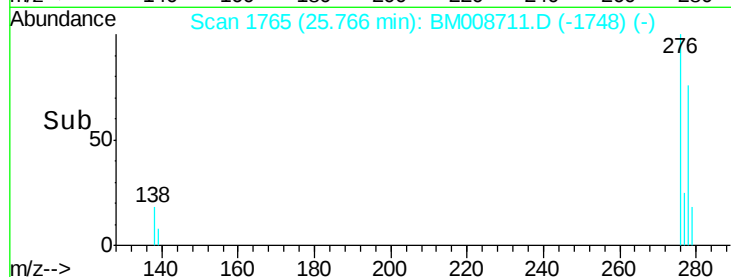
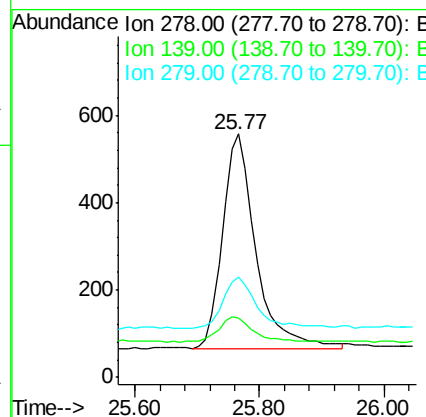
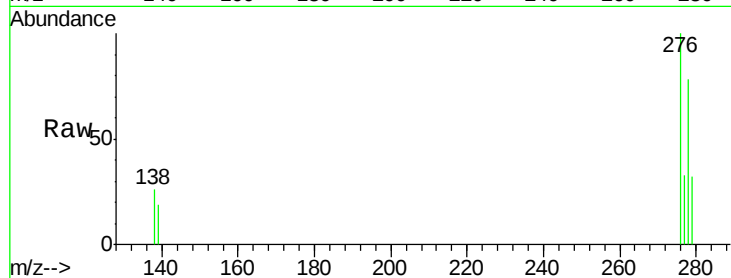


#25
Dibenzo(a,h)anthracene
Concen: 0.40 ng/ul
RT: 25.77 min Scan# 1765
Delta R.T. -0.02 min
Lab File: BM008711.D
Acq: 29 Dec 2016 03:24

Instrument :
BNA_M
ClientSampleId :
SSTD0.440

Tgt Ion: 278 Resp: 1835

Ion	Ratio	Lower	Upper
278	100		
139	24.6	17.4	26.0
279	41.2	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.41 ng/ul
RT: 26.46 min Scan# 1832
Delta R.T. -0.02 min
Lab File: BM008711.D
Acq: 29 Dec 2016 03:24

Tgt Ion: 276 Resp: 2016

Ion	Ratio	Lower	Upper
276	100		
277	33.0	21.8	32.8#
138	25.2	20.5	30.7

