

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM120216\
 Data File : BM008175.D
 Acq On : 03 Dec 2016 02:24
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.463

Quant Time: Dec 03 04:54:05 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Dec 03 00:55:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	382	0.40	ng/ul	0.02
2) Naphthalene-d8	10.50	136	1302	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.35	164	678	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.11	188	1208	0.40	ng/ul	0.02
16) Chrysene-d12	21.29	240	1180	0.40	ng/ul	0.00
20) Perylene-d12	23.53	264	1170	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.10	152	701	0.38	ng/ul	0.01
14) Fluoranthene-d10	19.13	212	1279	0.37	ng/ul	0.00

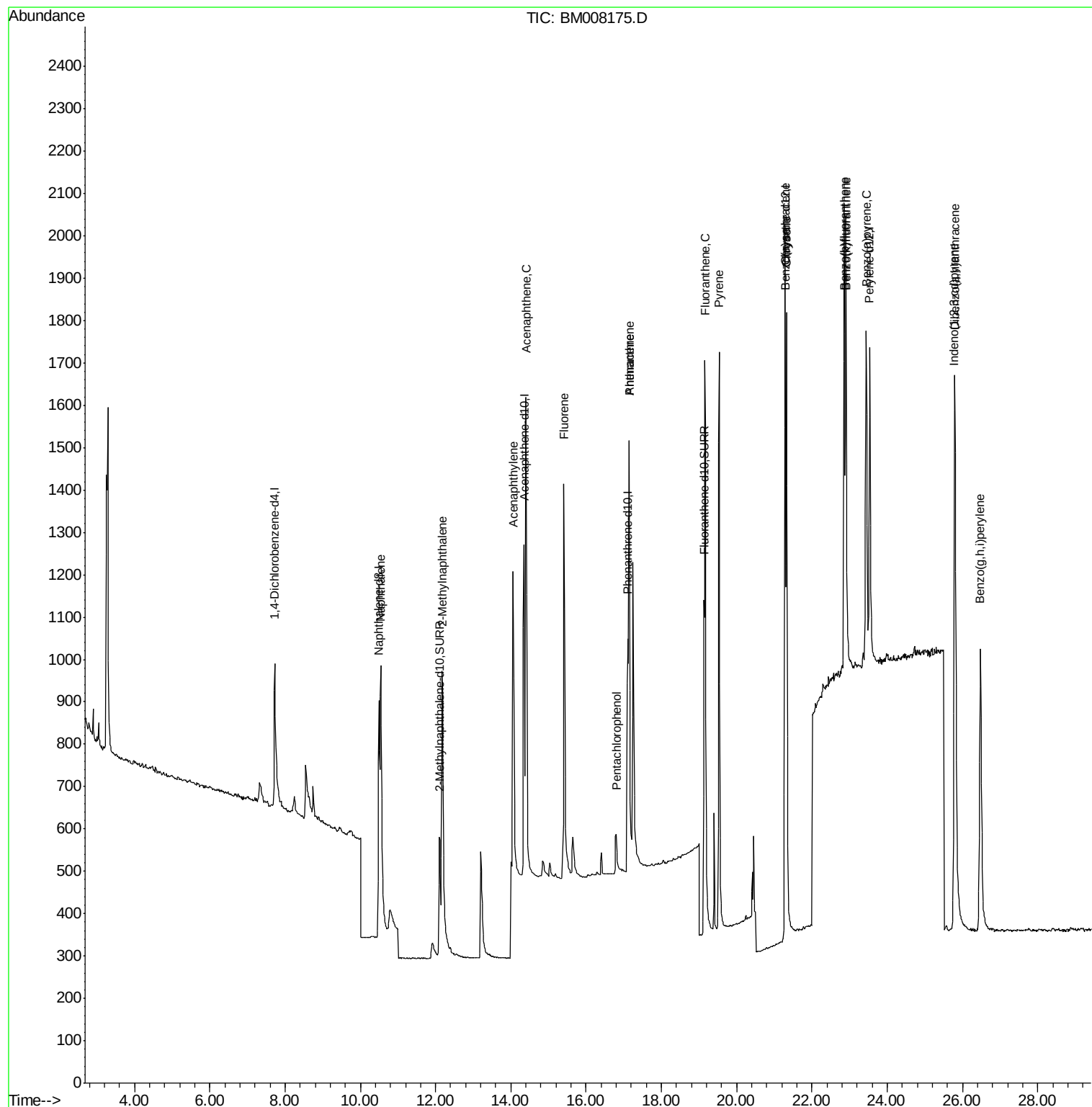
Target Compounds				Qvalue		
3) Naphthalene	10.55	128	1405	0.39	ng/ul#	88
5) 2-Methylnaphthalene	12.17	142	880	0.37	ng/ul	96
7) Acenaphthylene	14.06	152	1253	0.41	ng/ul#	89
8) Acenaphthene	14.40	153	924	0.40	ng/ul	93
9) Fluorene	15.41	166	1016	0.38	ng/ul	89
11) Pentachlorophenol	16.80	266	140	0.33	ng/ul	92
12) Phenanthrene	17.14	178	1457	0.39	ng/ul#	94
13) Anthracene	17.14	178	1457	0.41	ng/ul	95
15) Fluoranthene	19.16	202	1752	0.36	ng/ul	92
17) Pyrene	19.53	202	1856	0.45	ng/ul	95
18) Benzo(a)anthracene	21.28	228	1501	0.41	ng/ul	95
19) Chrysene	21.33	228	1664	0.37	ng/ul	94
21) Benzo(b)fluoranthene	22.86	252	1664	0.36	ng/ul	94
22) Benzo(k)fluoranthene	22.90	252	1831	0.38	ng/ul	93
23) Benzo(a)pyrene	23.44	252	1684	0.39	ng/ul	90
24) Indeno(1,2,3-cd)pyrene	25.79	276	2088	0.39	ng/ul#	94
25) Dibenzo(a,h)anthracene	25.80	278	1644	0.38	ng/ul	93
26) Benzo(g,h,i)perylene	26.47	276	1865	0.39	ng/ul	94

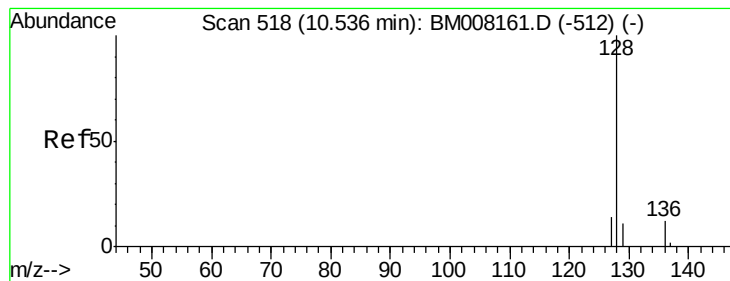
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.01 min

Lab File: BM008175.D

Acq: 03 Dec 2016 02:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

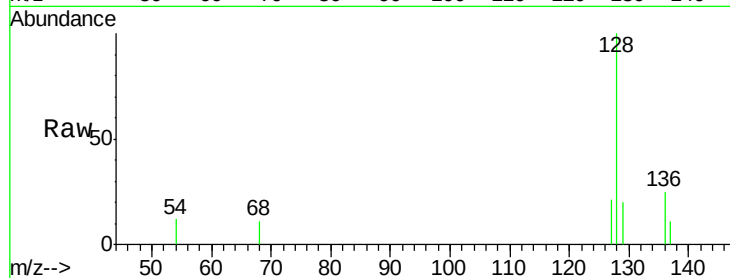
Tgt Ion:128 Resp: 1405

Ion Ratio Lower Upper

128 100

129 19.6 11.3 16.9#

127 21.0 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

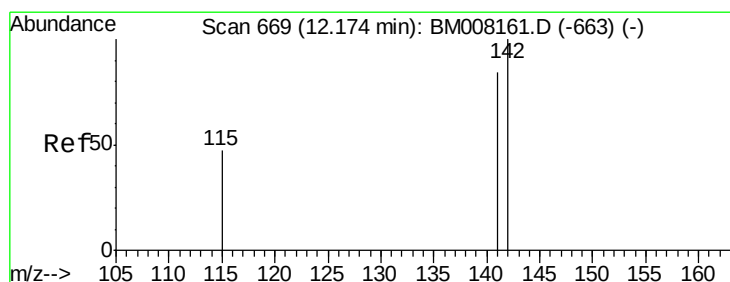
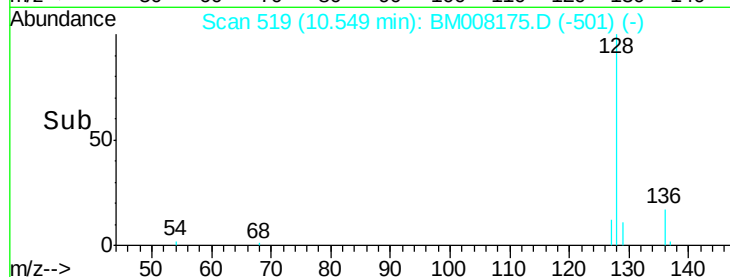
10.55

400

200

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.37 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.00 min

Lab File: BM008175.D

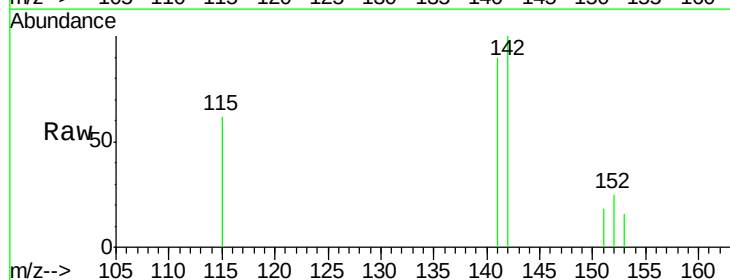
Acq: 03 Dec 2016 02:24

Tgt Ion:142 Resp: 880

Ion Ratio Lower Upper

142 100

141 94.7 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.17

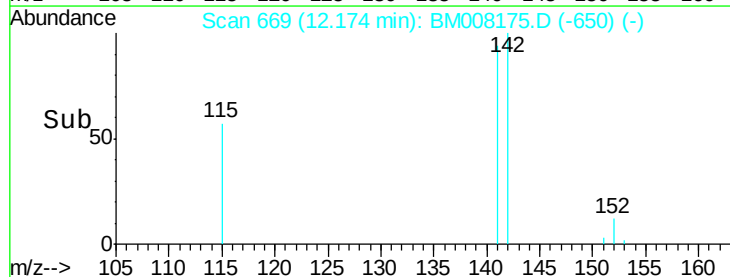
300

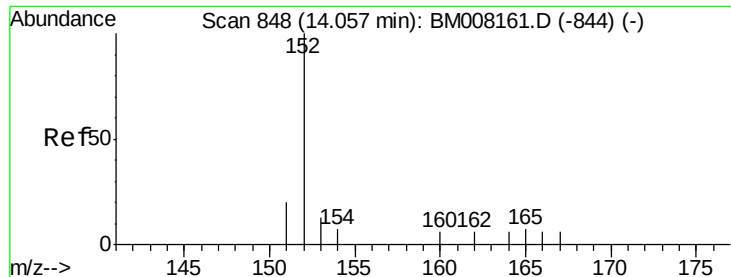
200

100

0

Time-->





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: BM008175.D

Acq: 03 Dec 2016 02:24

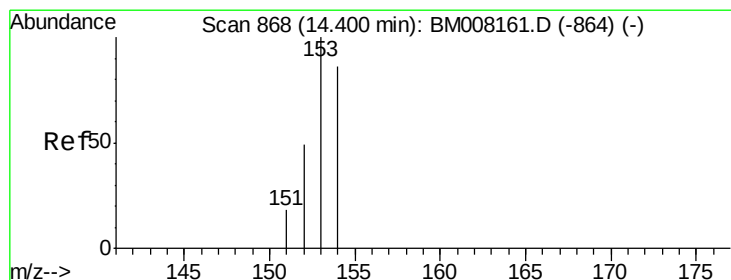
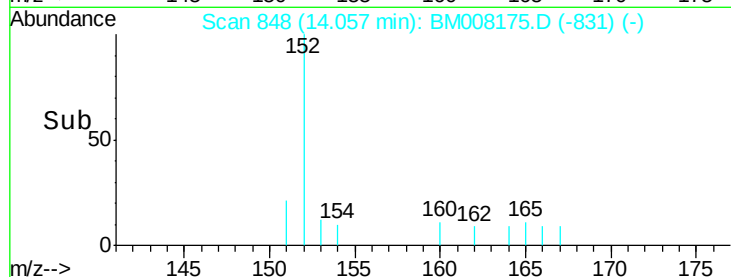
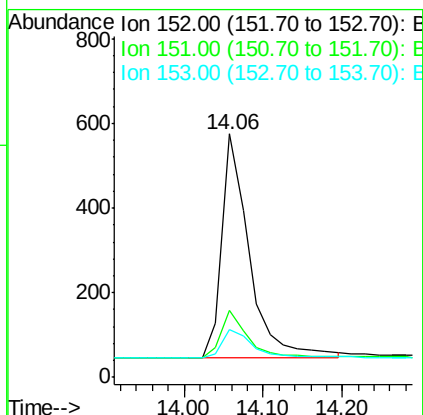
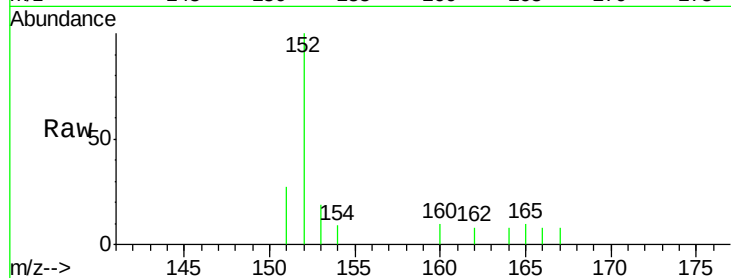
Instrument :

BNA_M

ClientSampleId :

SSTD0.463

Tgt Ion:	152	Resp:	1253
Ion	Ratio	Lower	Upper
152	100		
151	27.5	17.1	25.7#
153	19.5	12.8	19.2#



#8

Acenaphthene

Concen: 0.40 ng/ul

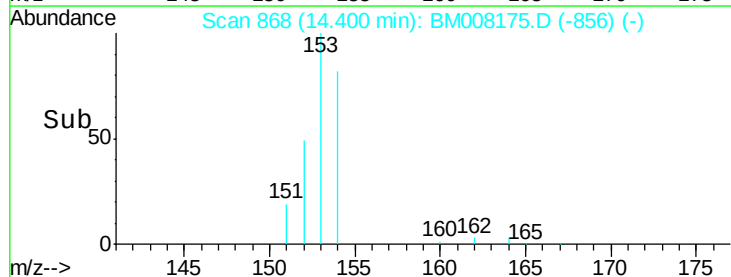
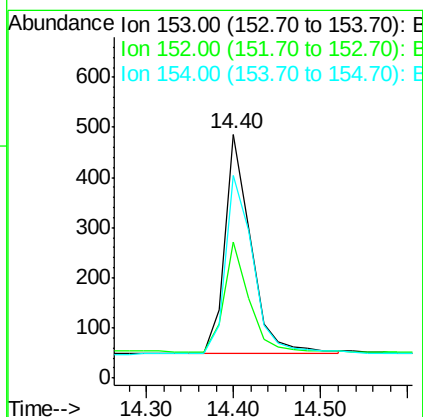
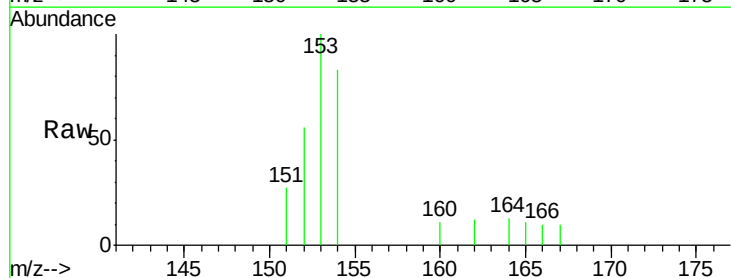
RT: 14.40 min Scan# 868

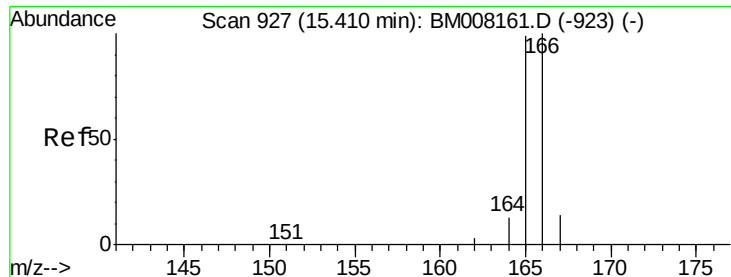
Delta R.T. 0.00 min

Lab File: BM008175.D

Acq: 03 Dec 2016 02:24

Tgt Ion:	153	Resp:	924
Ion	Ratio	Lower	Upper
153	100		
152	55.6	40.3	60.5
154	83.3	71.4	107.2

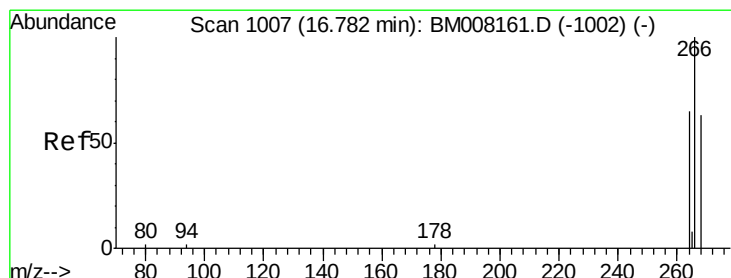
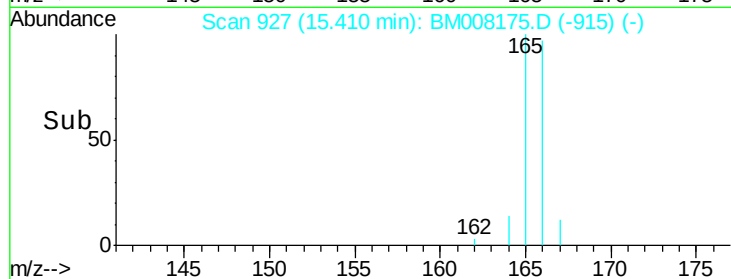
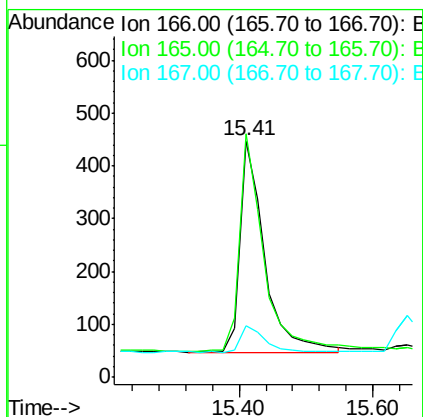
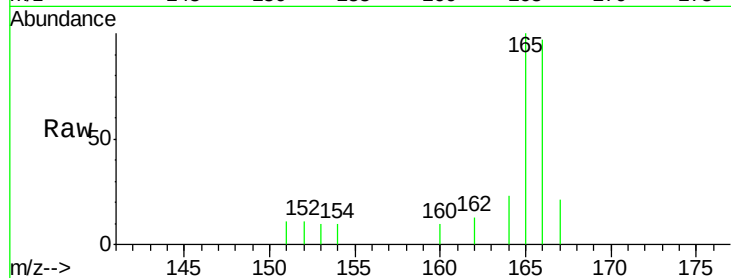




#9
Fluorene
 Concen: 0.38 ng/ul
 RT: 15.41 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BM008175.D
 Acq: 03 Dec 2016 02:24

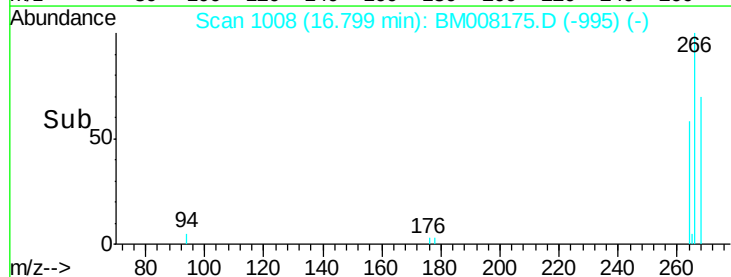
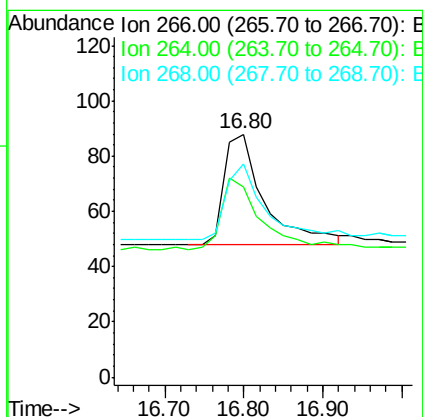
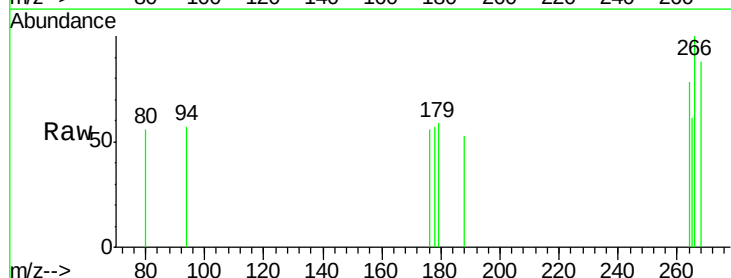
Instrument :
 BNA_M
 ClientSampleId :
 SST0.463

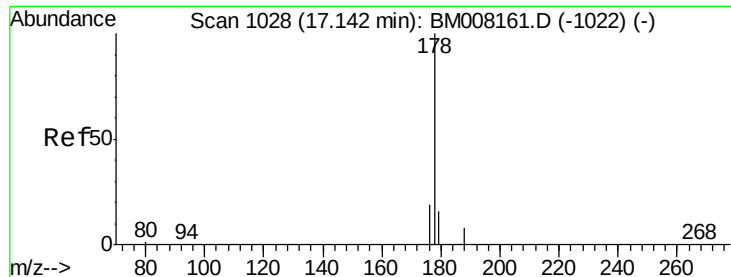
Tgt Ion:166 Resp: 1016
 Ion Ratio Lower Upper
 166 100
 165 103.1 73.4 110.2
 167 21.7 14.6 22.0



#11
Pentachlorophenol
 Concen: 0.33 ng/ul
 RT: 16.80 min Scan# 1008
 Delta R.T. 0.02 min
 Lab File: BM008175.D
 Acq: 03 Dec 2016 02:24

Tgt Ion:266 Resp: 140
 Ion Ratio Lower Upper
 266 100
 264 67.9 47.9 71.9
 268 67.1 49.8 74.8

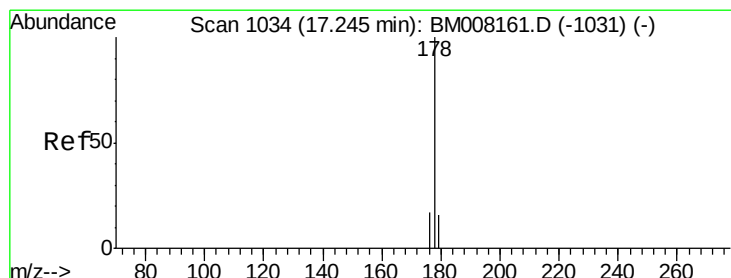
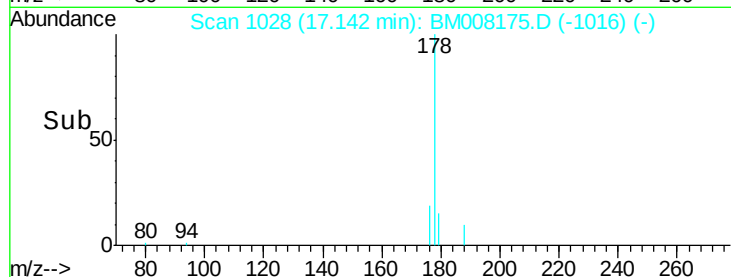
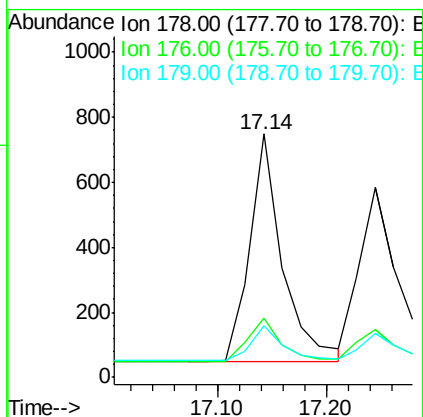
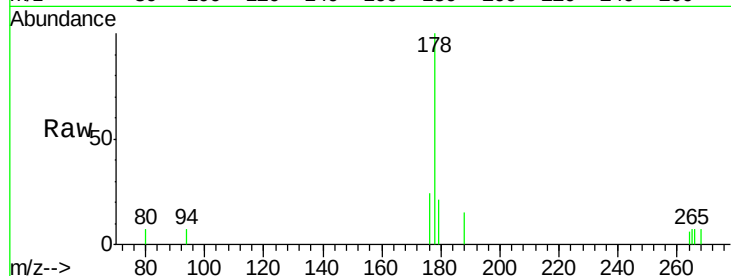




#12
Phenanthrene
Concen: 0.39 ng/ul
RT: 17.14 min Scan# 1028
Delta R.T. 0.00 min
Lab File: BM008175.D
Acq: 03 Dec 2016 02:24

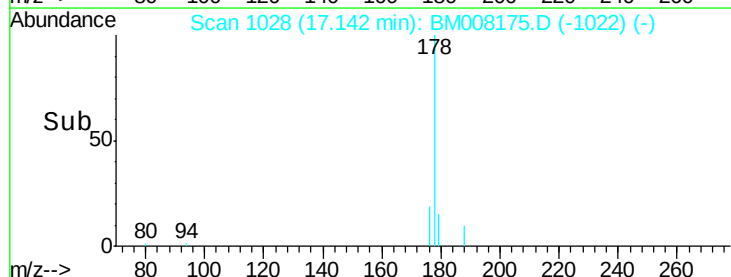
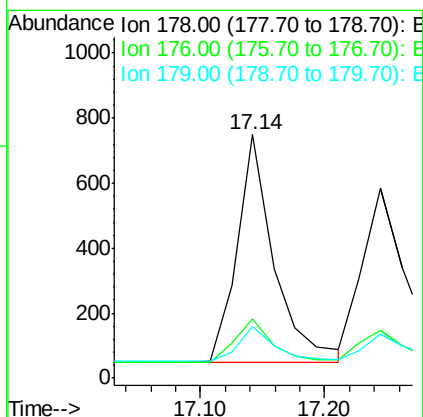
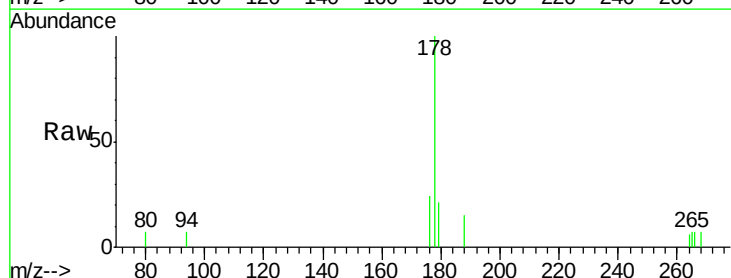
Instrument :
BNA_M
ClientSampleId :
SSTD0.463

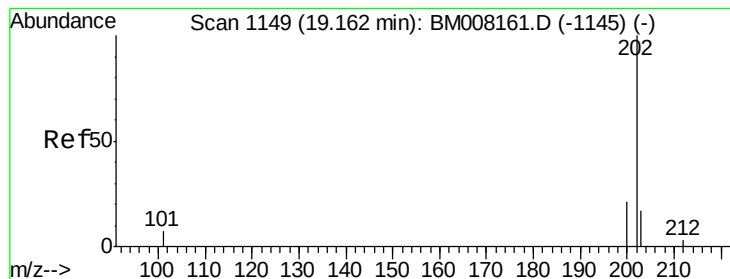
Tgt Ion:178 Resp: 1457
Ion Ratio Lower Upper
178 100
176 24.4 18.4 27.6
179 21.4 13.6 20.4#



#13
Anthracene
Concen: 0.41 ng/ul
RT: 17.14 min Scan# 1028
Delta R.T. -0.10 min
Lab File: BM008175.D
Acq: 03 Dec 2016 02:24

Tgt Ion:178 Resp: 1457
Ion Ratio Lower Upper
178 100
176 24.4 18.1 27.1
179 21.4 14.7 22.1





#15

Fluoranthene

Concen: 0.36 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.00 min

Lab File: BM008175.D

Acq: 03 Dec 2016 02:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

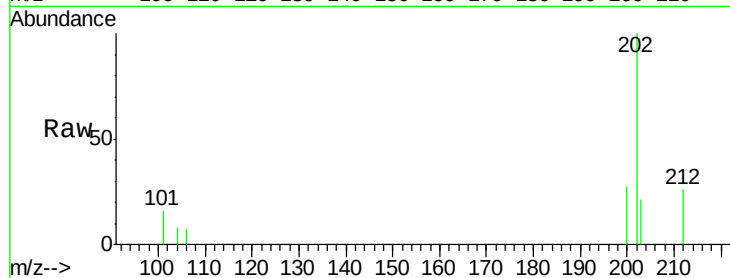
Tgt Ion:202 Resp: 1752

Ion Ratio Lower Upper

202 100

101 16.4 0.0 30.3

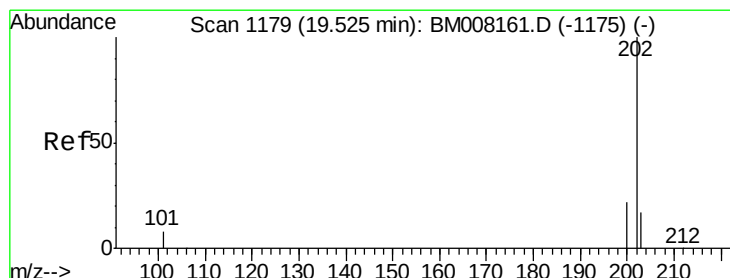
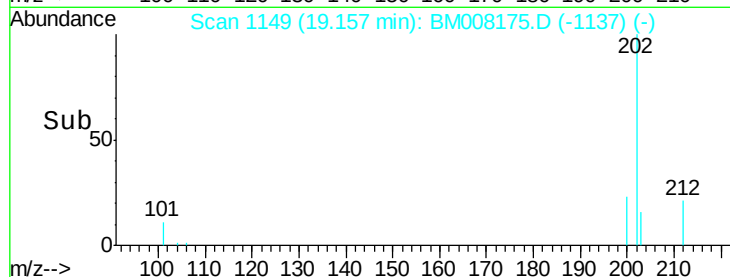
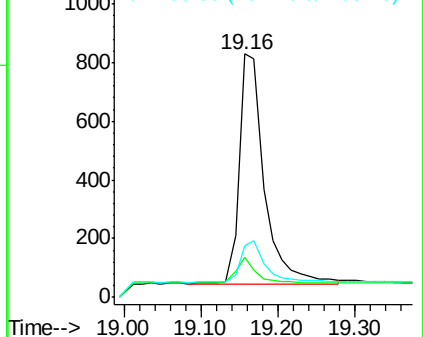
203 21.3 0.0 39.5



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: 0.45 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. 0.01 min

Lab File: BM008175.D

Acq: 03 Dec 2016 02:24

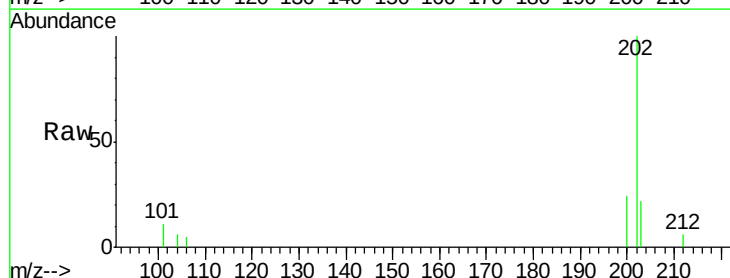
Tgt Ion:202 Resp: 1856

Ion Ratio Lower Upper

202 100

200 24.3 18.2 27.4

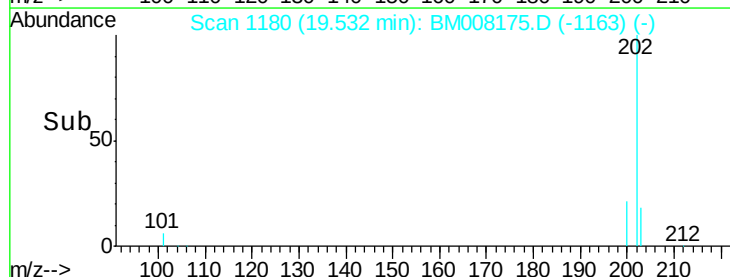
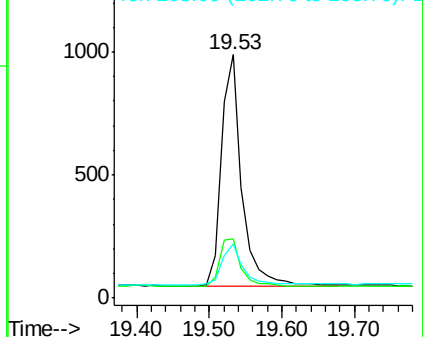
203 22.3 15.6 23.4

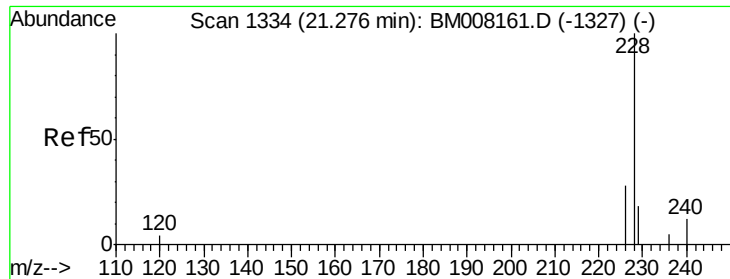


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.41 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. 0.01 min

Lab File: BM008175.D

Acq: 03 Dec 2016 02:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

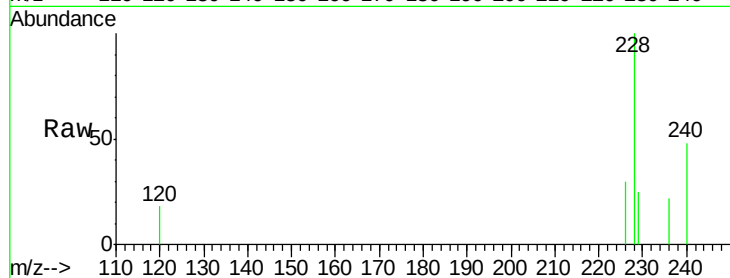
Tgt Ion:228 Resp: 1501

Ion Ratio Lower Upper

228 100

226 30.0 22.8 34.2

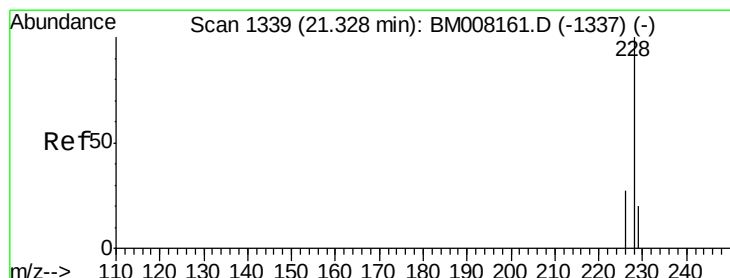
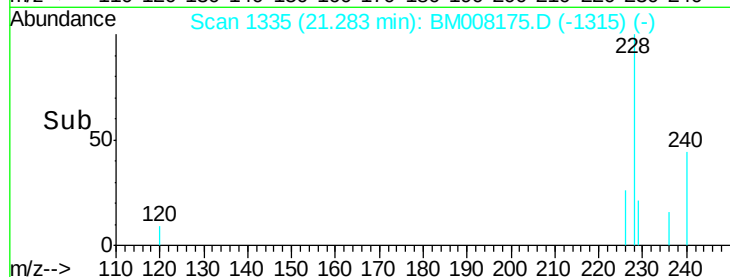
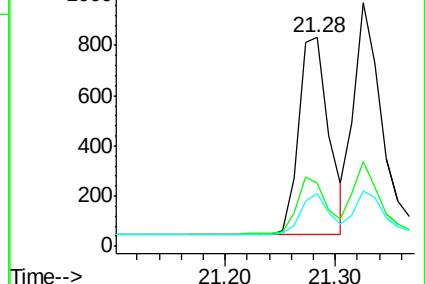
229 25.4 17.0 25.6



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



#19

Chrysene

Concen: 0.37 ng/ul

RT: 21.33 min Scan# 1339

Delta R.T. -0.00 min

Lab File: BM008175.D

Acq: 03 Dec 2016 02:24

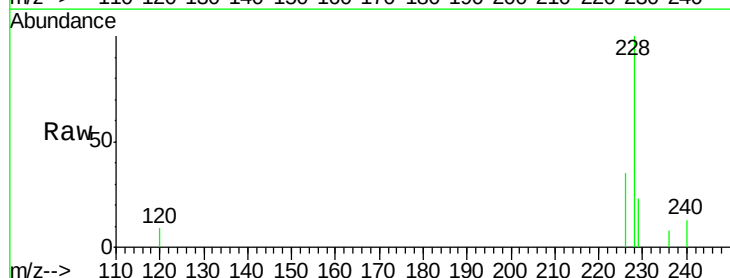
Tgt Ion:228 Resp: 1664

Ion Ratio Lower Upper

228 100

226 34.6 23.4 35.0

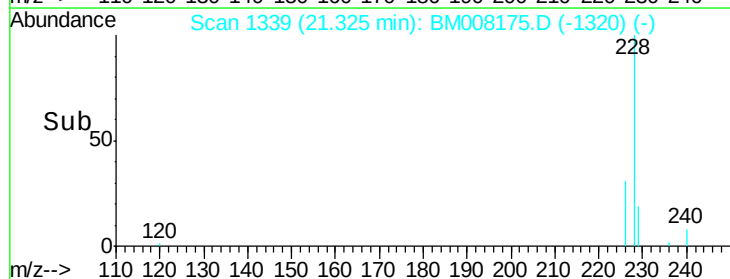
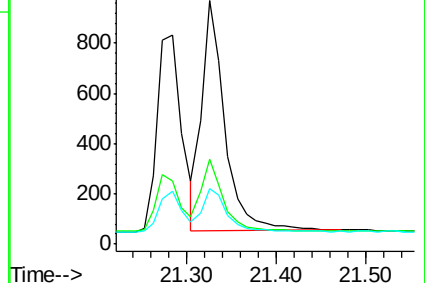
229 22.7 17.7 26.5

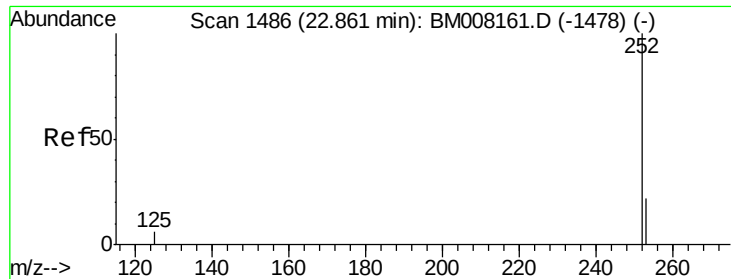


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.36 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: BM008175.D

Acq: 03 Dec 2016 02:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

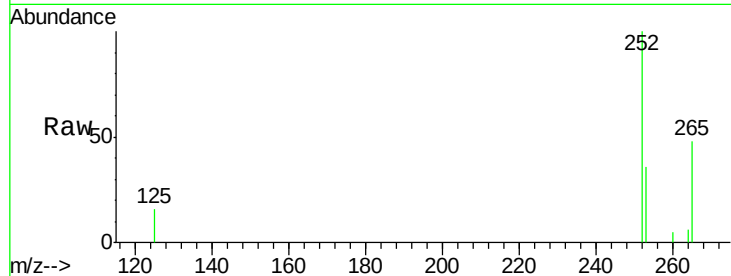
Tgt Ion:252 Resp: 1664

Ion Ratio Lower Upper

252 100

253 35.9 0.0 64.2

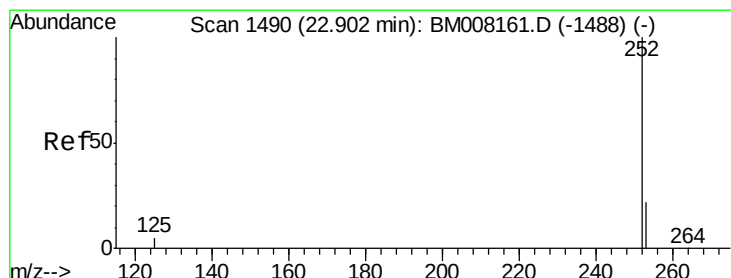
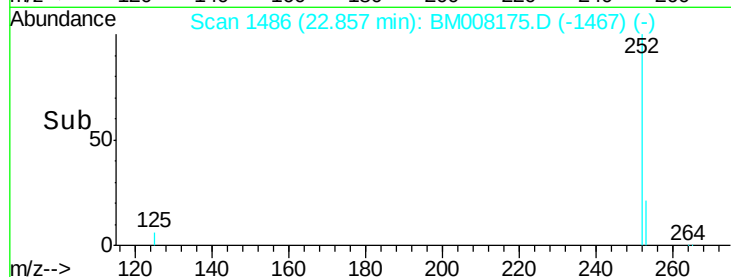
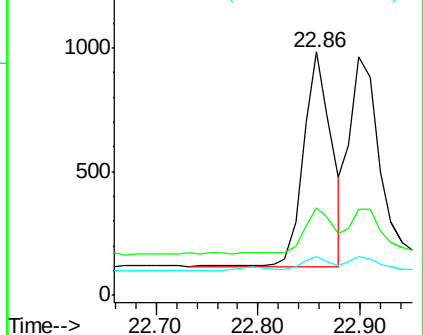
125 15.8 0.0 35.0



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: 0.38 ng/ul

RT: 22.90 min Scan# 1490

Delta R.T. -0.00 min

Lab File: BM008175.D

Acq: 03 Dec 2016 02:24

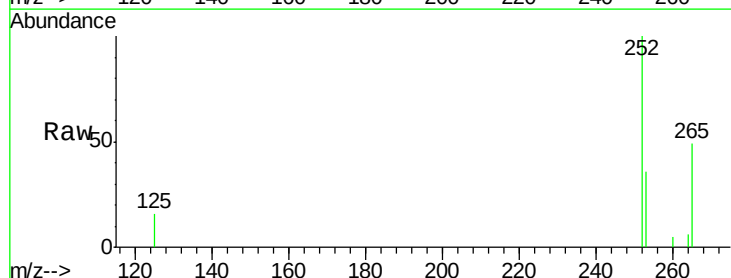
Tgt Ion:252 Resp: 1831

Ion Ratio Lower Upper

252 100

253 36.0 24.5 36.7

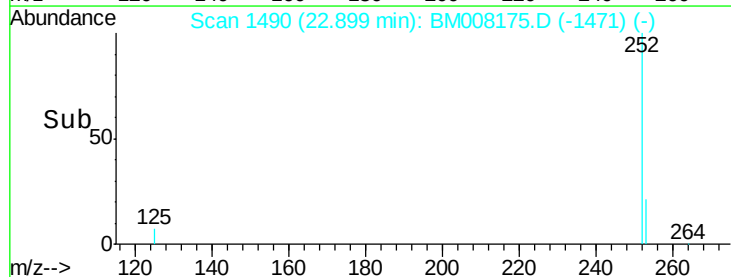
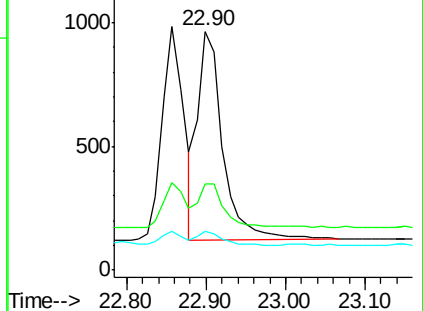
125 16.2 13.7 20.5

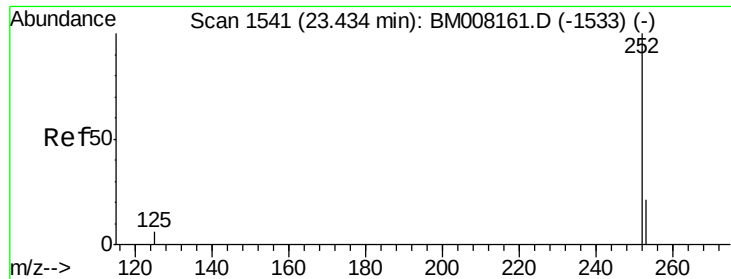


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.39 ng/ul

RT: 23.44 min Scan# 1542

Delta R.T. 0.01 min

Lab File: BM008175.D

Acq: 03 Dec 2016 02:24

Instrument :

BNA_M

ClientSampleId :

SSTD0.463

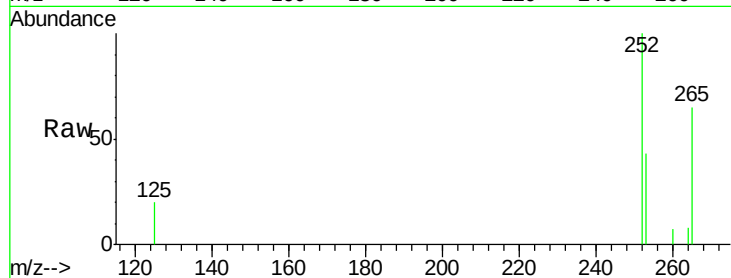
Tgt Ion:252 Resp: 1684

Ion Ratio Lower Upper

252 100

253 42.5 28.5 42.7

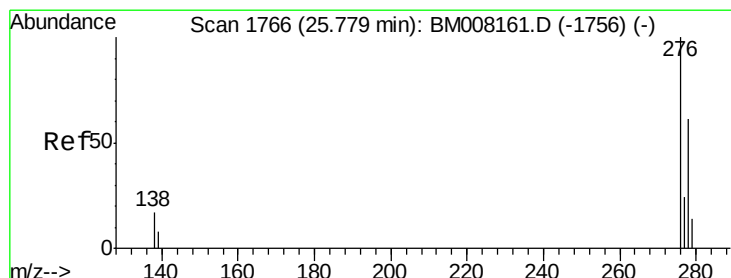
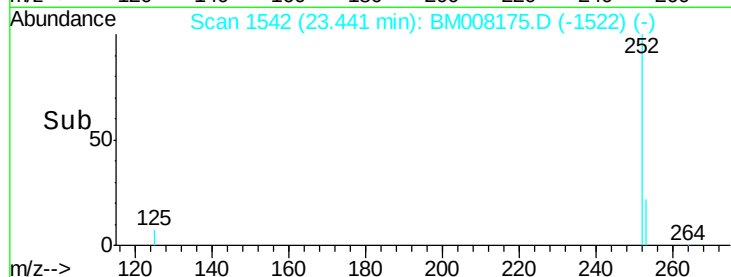
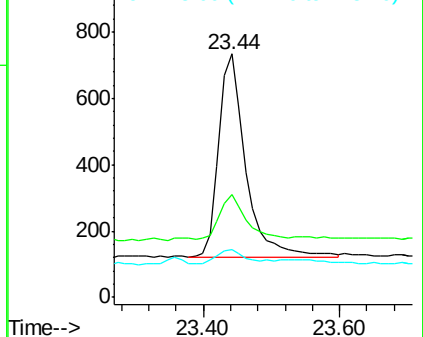
125 19.8 18.1 27.1



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: 25.79 min Scan# 1767

Delta R.T. 0.01 min

Lab File: BM008175.D

Acq: 03 Dec 2016 02:24

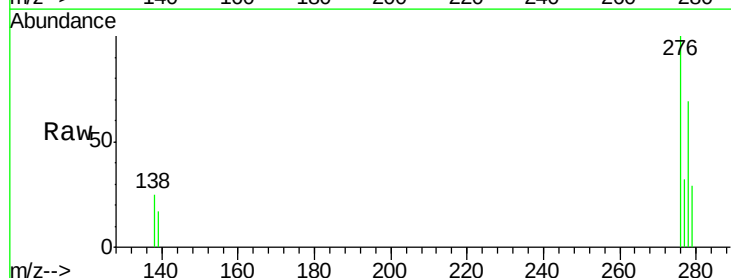
Tgt Ion:276 Resp: 2088

Ion Ratio Lower Upper

276 100

138 17.7 19.1 28.7#

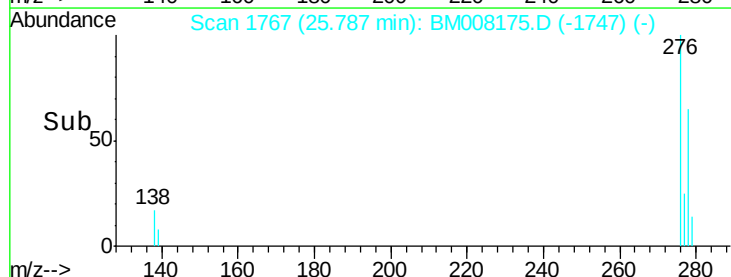
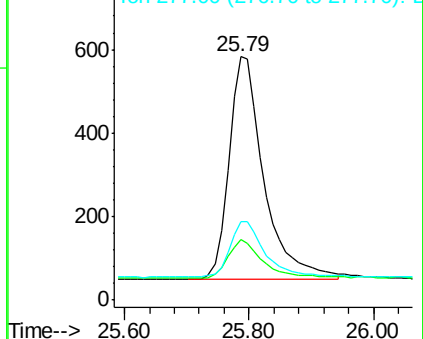
277 24.5 19.6 29.4

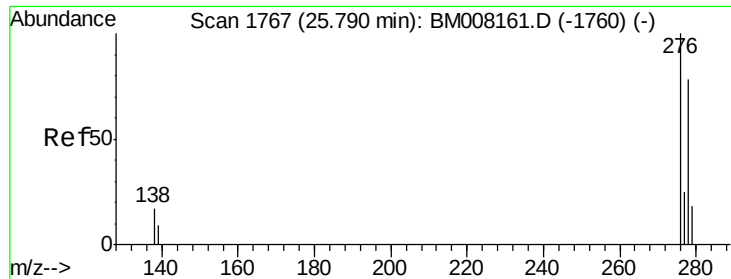


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

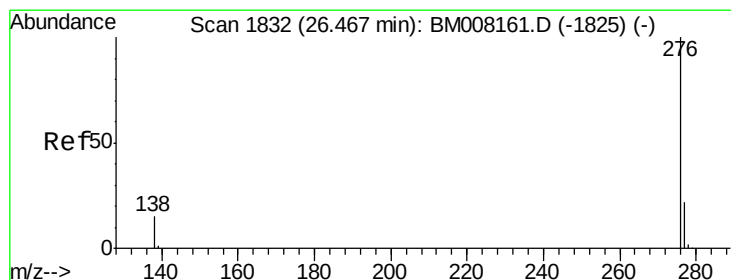
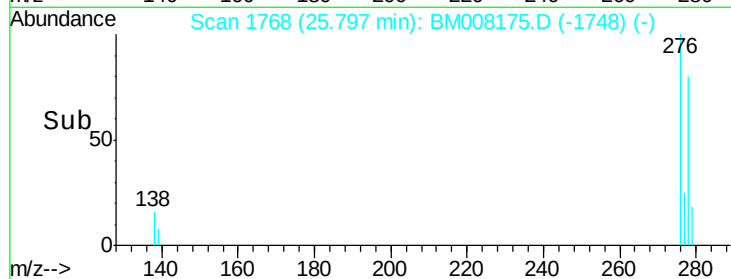
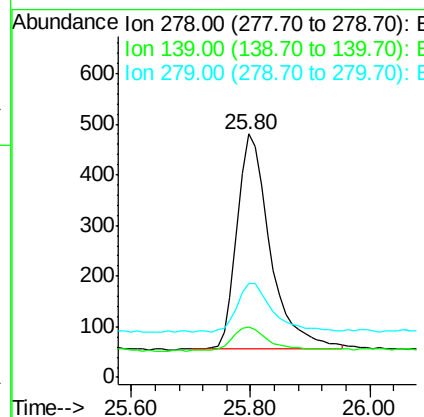
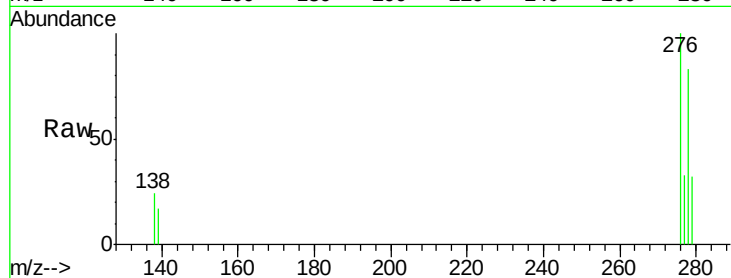




#25
Dibenzo(a,h)anthracene
Concen: 0.38 ng/ul
RT: 25.80 min Scan# 1768
Delta R.T. 0.01 min
Lab File: BM008175.D
Acq: 03 Dec 2016 02:24

Instrument :
BNA_M
ClientSampleId :
SSTD0.463

Tgt Ion: 278 Resp: 1644
Ion Ratio Lower Upper
278 100
139 20.8 17.4 26.0
279 38.7 25.9 38.9



#26
Benzo(g,h,i)perylene
Concen: 0.39 ng/ul
RT: 26.47 min Scan# 1833
Delta R.T. 0.01 min
Lab File: BM008175.D
Acq: 03 Dec 2016 02:24

Tgt Ion: 276 Resp: 1865
Ion Ratio Lower Upper
276 100
277 31.4 21.8 32.8
138 23.9 20.5 30.7

