

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122416\
 Data File : BM008643.D
 Acq On : 24 Dec 2016 21:11
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.466

Quant Time: Dec 26 00:02:21 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Dec 25 23:48:32 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.73	152	406	0.40	ng/ul	0.05
2) Naphthalene-d8	10.48	136	1664	0.40	ng/ul	0.02
6) Acenaphthene-d10	14.31	164	995	0.40	ng/ul	0.02
10) Phenanthrene-d10	17.07	188	1926	0.40	ng/ul	0.02
16) Chrysene-d12	21.26	240	1911	0.40	ng/ul	0.00
20) Perylene-d12	23.49	264	1861	0.40	ng/ul	0.01

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.08	152	973	0.38	ng/ul	0.03
14) Fluoranthene-d10	19.10	212	2176	0.41	ng/ul	0.00

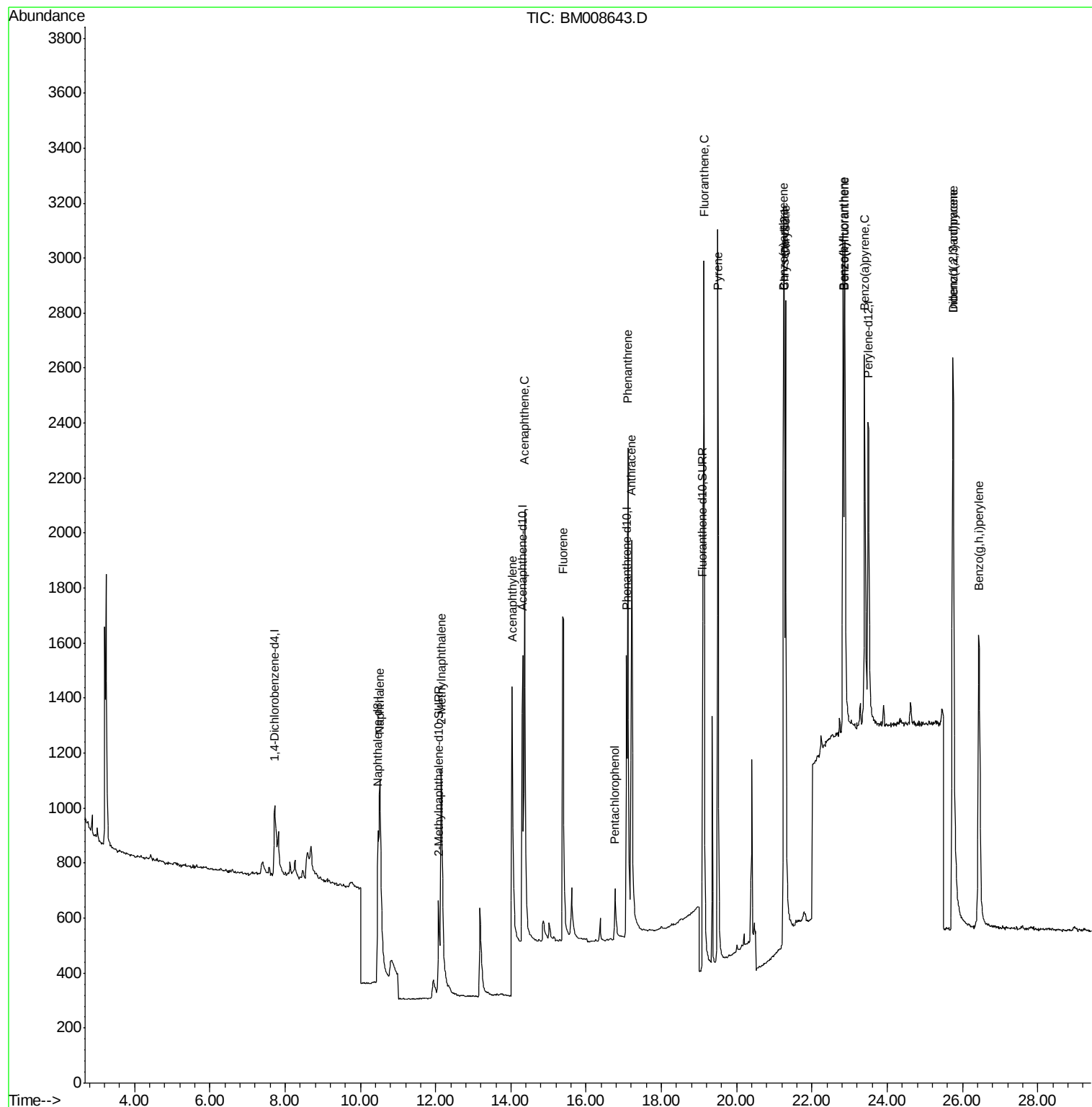
Target Compounds				Qvalue		
3) Naphthalene	10.52	128	1838	0.39	ng/ul#	87
5) 2-Methylnaphthalene	12.15	142	1198	0.38	ng/ul	97
7) Acenaphthylene	14.04	152	1748	0.39	ng/ul#	93
8) Acenaphthene	14.37	153	1365	0.40	ng/ul	95
9) Fluorene	15.39	166	1497	0.39	ng/ul#	95
11) Pentachlorophenol	16.76	266	239	0.40	ng/ul	96
12) Phenanthrene	17.11	178	2417	0.41	ng/ul	98
13) Anthracene	17.21	178	2376	0.42	ng/ul	97
15) Fluoranthene	19.13	202	3140	0.44	ng/ul	97
17) Pyrene	19.50	202	3265	0.44	ng/ul	98
18) Benzo(a)anthracene	21.25	228	2581	0.41	ng/ul	96
19) Chrysene	21.30	228	2909	0.42	ng/ul	94
21) Benzo(b)fluoranthene	22.83	252	2736	0.37	ng/ul	97
22) Benzo(k)fluoranthene	22.87	252	2995	0.42	ng/ul	96
23) Benzo(a)pyrene	23.40	252	2817	0.41	ng/ul	98
24) Indeno(1,2,3-cd)pyrene	25.74	276	3262	0.40	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.74	278	2563	0.40	ng/ul#	89
26) Benzo(g,h,i)perylene	26.43	276	2806	0.40	ng/ul	95

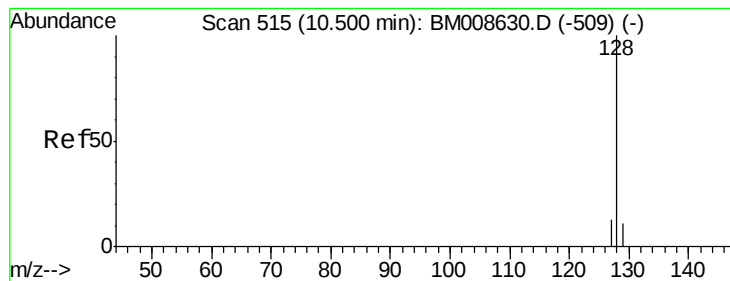
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.52 min Scan# 517

Delta R.T. 0.02 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

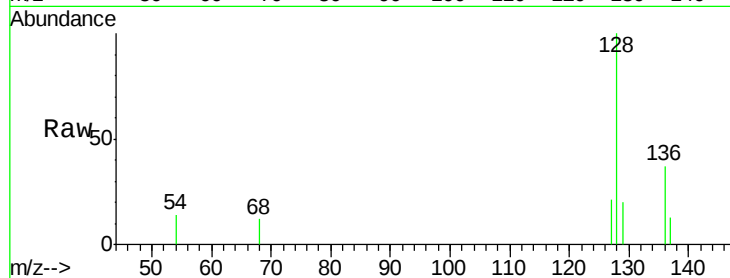
Tgt Ion:128 Resp: 1838

Ion Ratio Lower Upper

128 100

129 19.5 11.3 16.9#

127 21.3 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

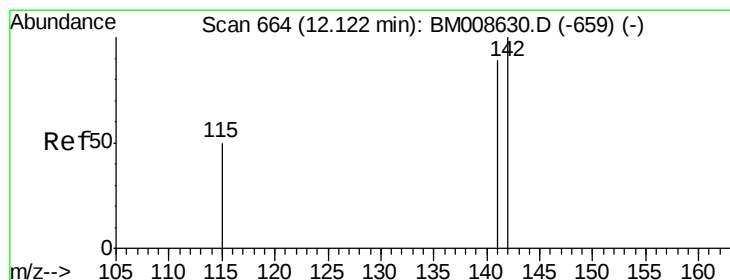
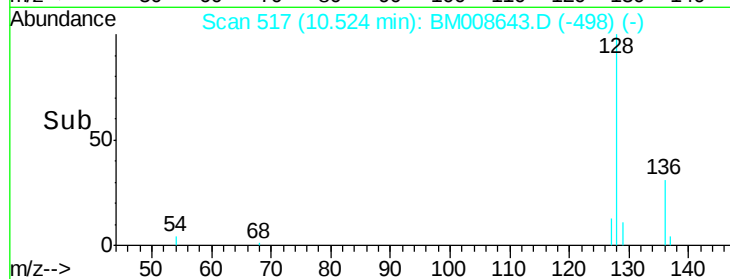
10.52

400

200

0

Time--> 10.40 10.50 10.60 10.70



#5

2-Methylnaphthalene

Concen: 0.38 ng/ul

RT: 12.15 min Scan# 667

Delta R.T. 0.03 min

Lab File: BM008643.D

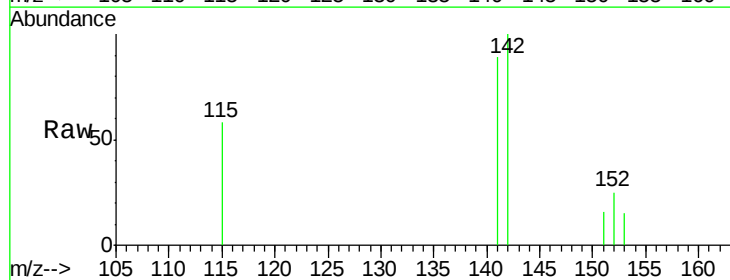
Acq: 24 Dec 2016 21:11

Tgt Ion:142 Resp: 1198

Ion Ratio Lower Upper

142 100

141 93.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.15

400

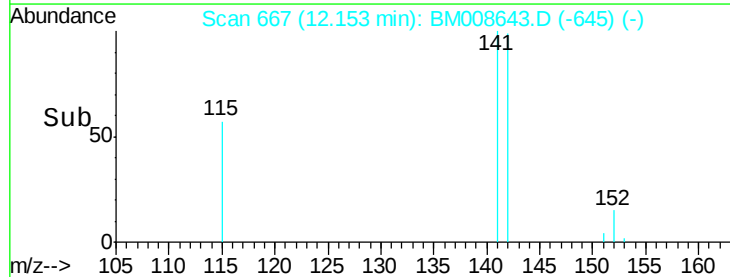
300

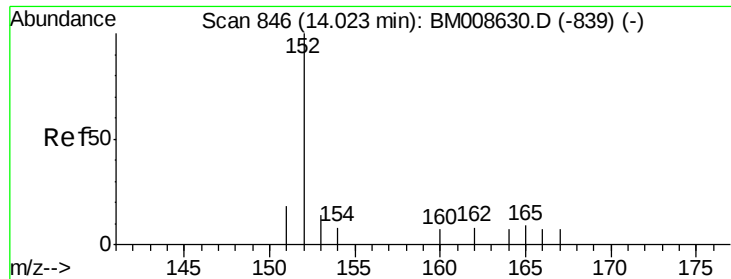
200

100

0

Time--> 12.00 12.10 12.20 12.30





#7

Acenaphthylene

Concen: 0.39 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.02 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

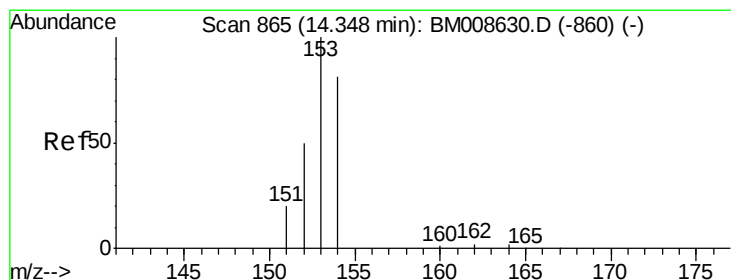
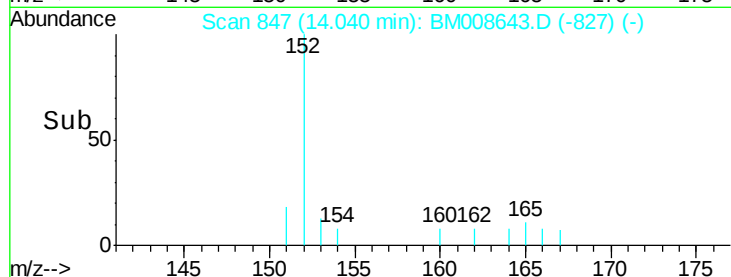
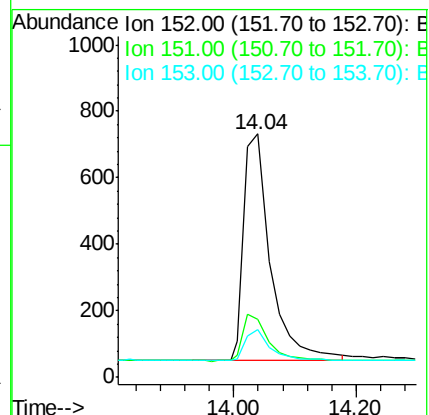
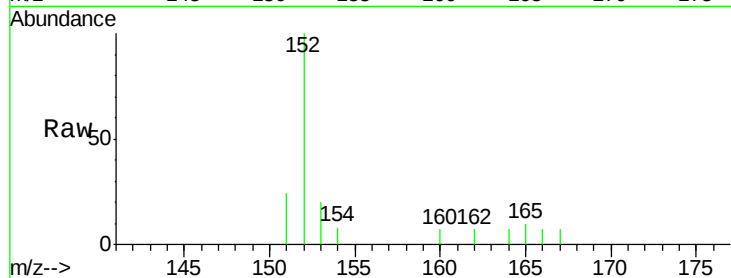
Tgt Ion:152 Resp: 1748

Ion Ratio Lower Upper

152 100

151 23.9 17.1 25.7

153 19.7 12.8 19.2#



#8

Acenaphthene

Concen: 0.40 ng/ul

RT: 14.37 min Scan# 866

Delta R.T. 0.02 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

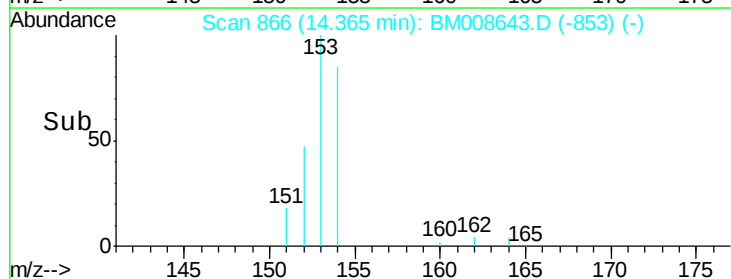
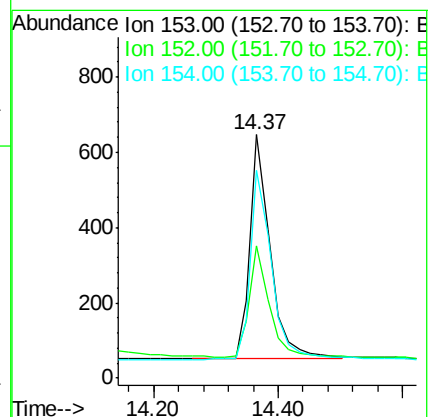
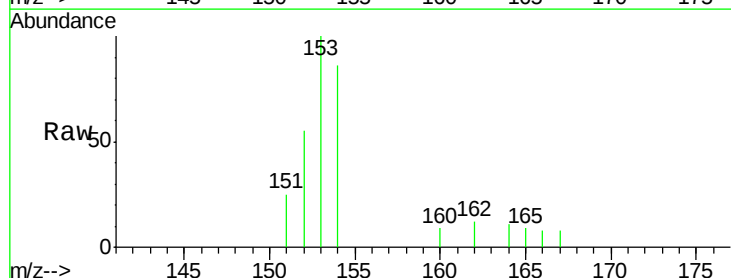
Tgt Ion:153 Resp: 1365

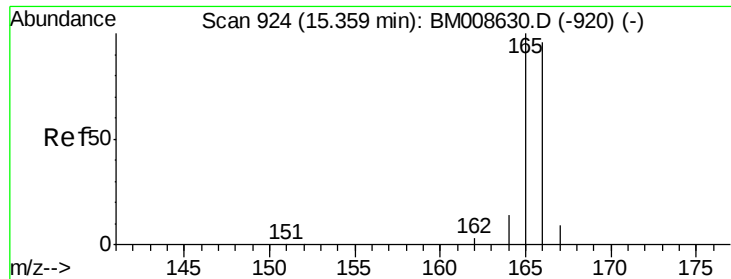
Ion Ratio Lower Upper

153 100

152 54.6 40.3 60.5

154 85.6 71.4 107.2





#9

Fluorene

Concen: 0.39 ng/ul

RT: 15.39 min Scan# 926

Delta R.T. 0.03 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

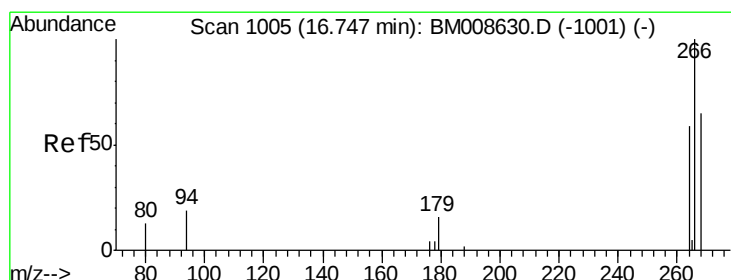
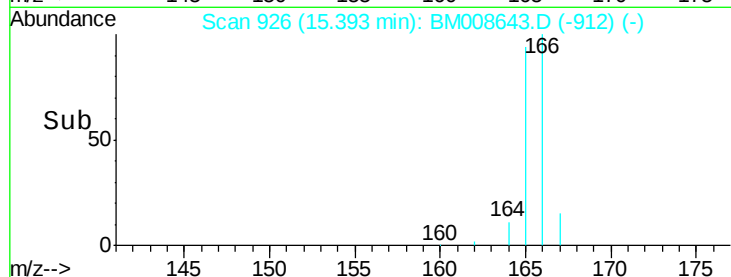
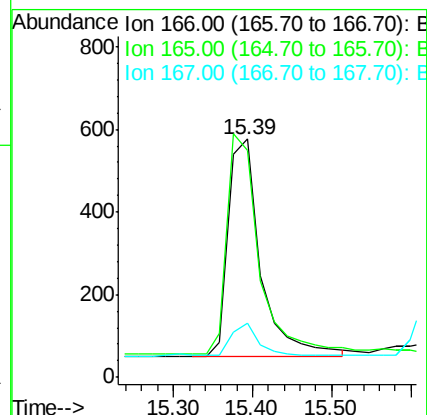
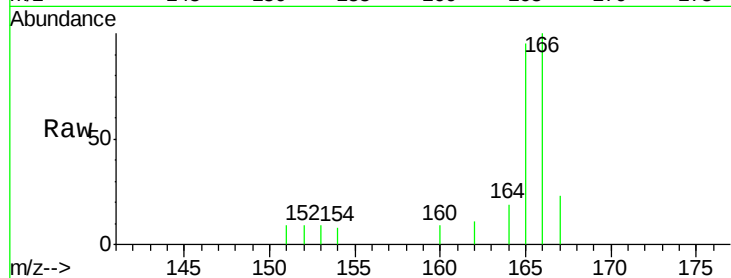
Tgt Ion:166 Resp: 1497

Ion Ratio Lower Upper

166 100

165 95.3 73.4 110.2

167 22.5 14.6 22.0#



#11

Pentachlorophenol

Concen: 0.40 ng/ul

RT: 16.76 min Scan# 1006

Delta R.T. 0.02 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

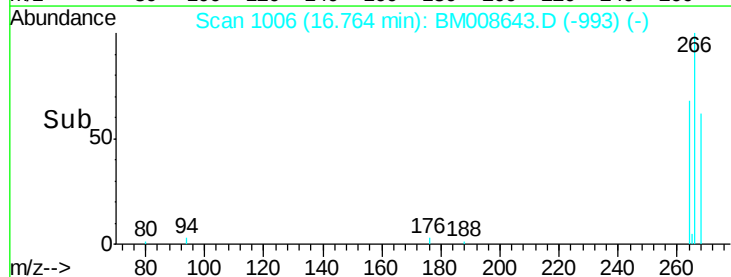
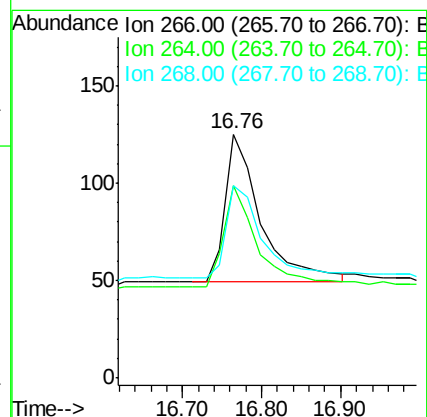
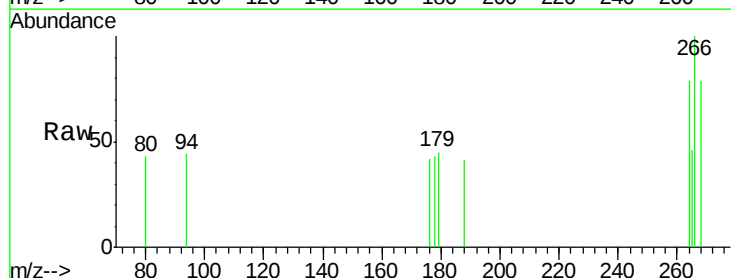
Tgt Ion:266 Resp: 239

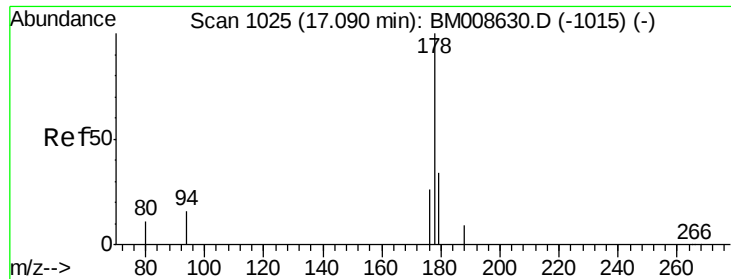
Ion Ratio Lower Upper

266 100

264 64.0 47.9 71.9

268 64.0 49.8 74.8

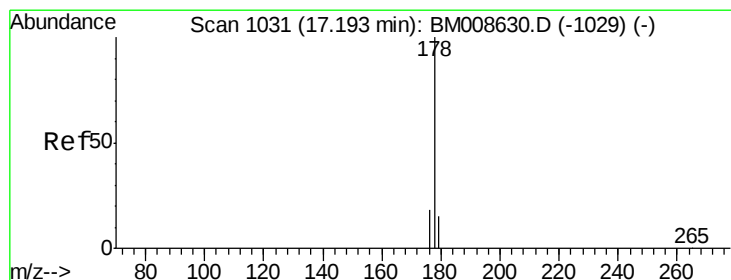
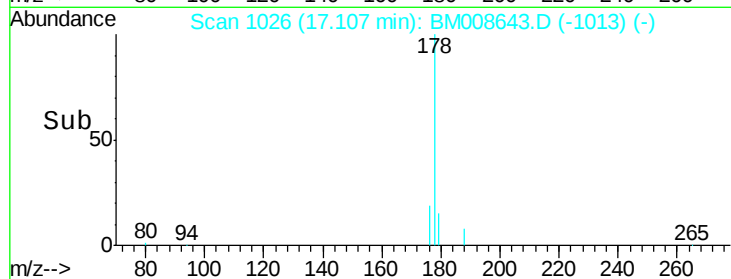
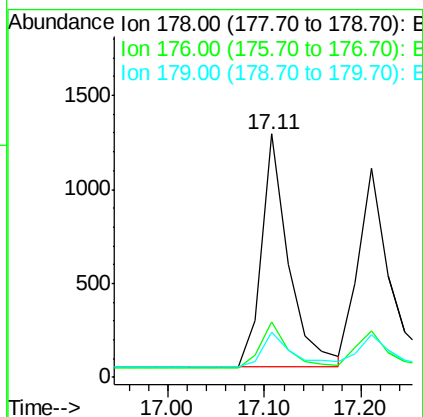
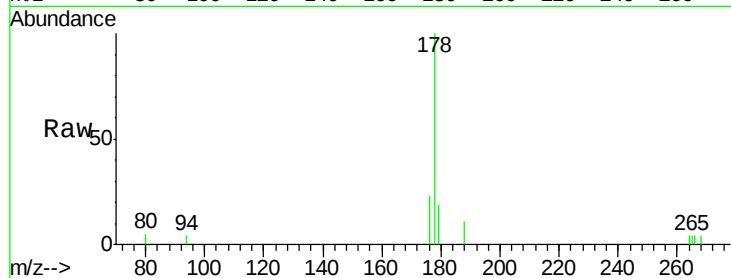




#12
 Phenanthrene
 Concen: 0.41 ng/ul
 RT: 17.11 min Scan# 1026
 Delta R.T. 0.02 min
 Lab File: BM008643.D
 Acq: 24 Dec 2016 21:11

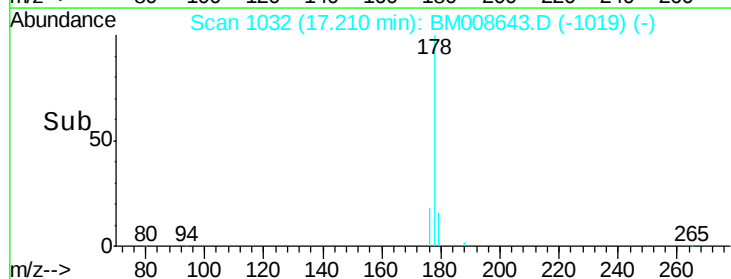
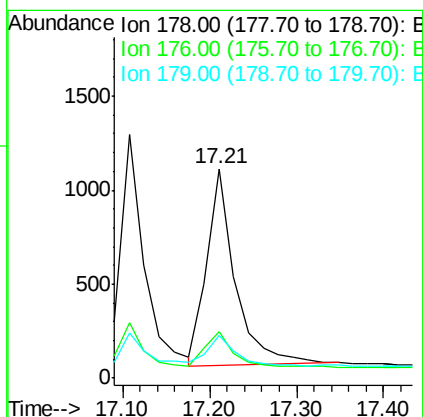
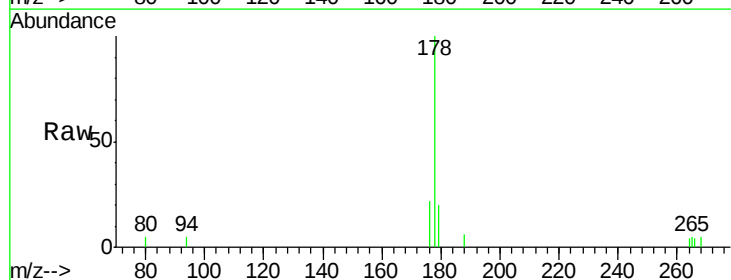
Instrument :
 BNA_M
 ClientSampleId :
 SST0.466

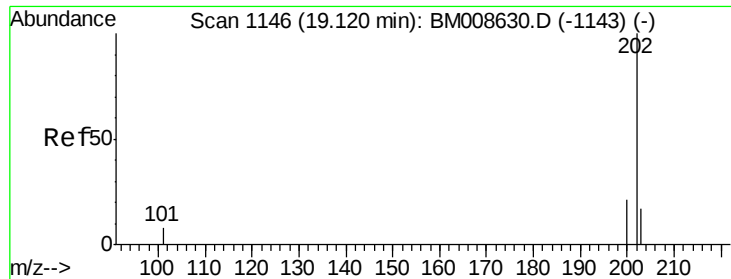
Tgt Ion:178 Resp: 2417
 Ion Ratio Lower Upper
 178 100
 176 22.7 18.4 27.6
 179 18.7 13.6 20.4



#13
 Anthracene
 Concen: 0.42 ng/ul
 RT: 17.21 min Scan# 1032
 Delta R.T. 0.02 min
 Lab File: BM008643.D
 Acq: 24 Dec 2016 21:11

Tgt Ion:178 Resp: 2376
 Ion Ratio Lower Upper
 178 100
 176 22.1 18.1 27.1
 179 20.4 14.7 22.1





#15

Fluoranthene

Concen: 0.44 ng/ul

RT: 19.13 min Scan# 1147

Delta R.T. 0.01 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

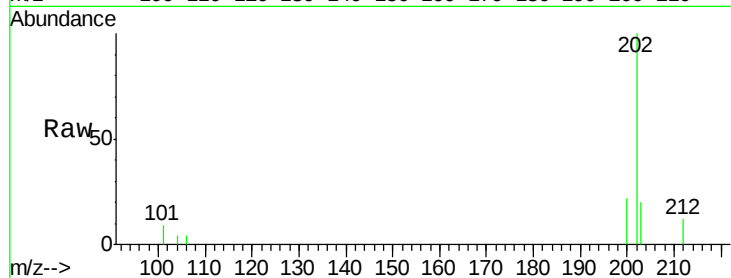
Tgt Ion:202 Resp: 3140

Ion Ratio Lower Upper

202 100

101 8.8 0.0 30.3

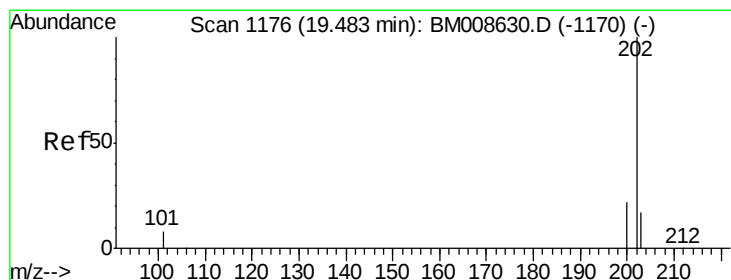
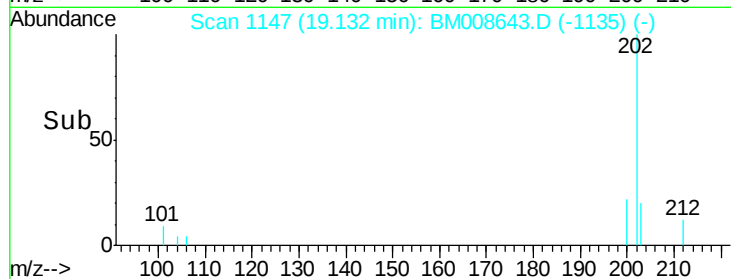
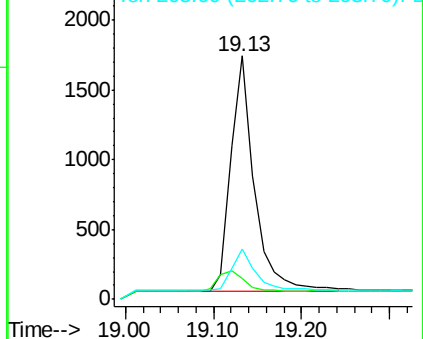
203 20.5 0.0 39.5



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: 19.50 min Scan# 1177

Delta R.T. 0.01 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

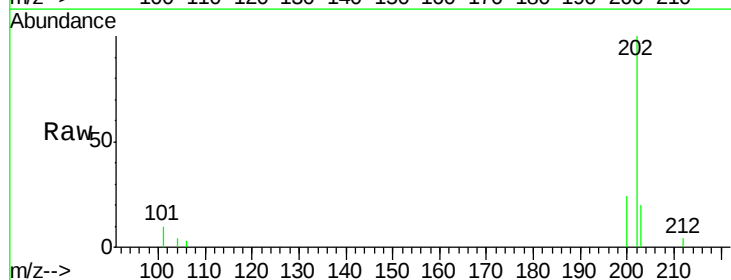
Tgt Ion:202 Resp: 3265

Ion Ratio Lower Upper

202 100

200 23.6 18.2 27.4

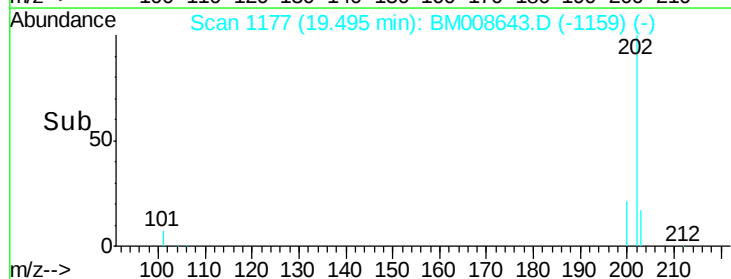
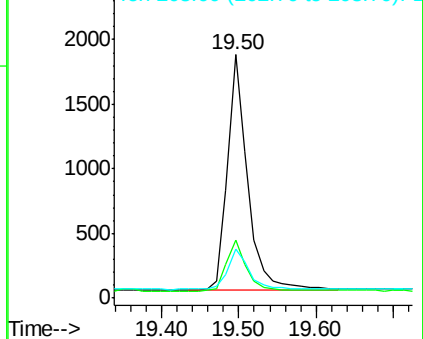
203 20.3 15.6 23.4

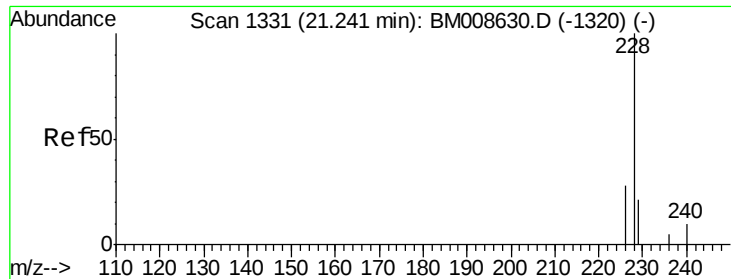


Abundance Ion 202.00 (201.70 to 202.70): E

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: 21.25 min Scan# 1332

Delta R.T. 0.01 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

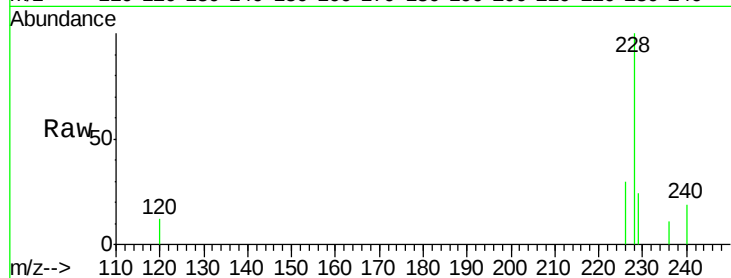
Tgt Ion:228 Resp: 2581

Ion Ratio Lower Upper

228 100

226 30.3 22.8 34.2

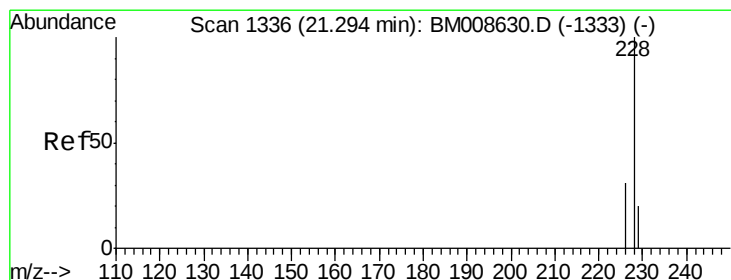
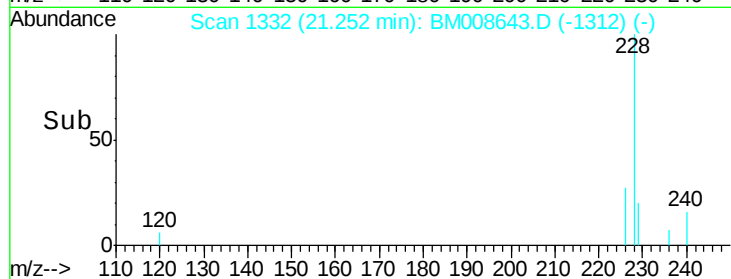
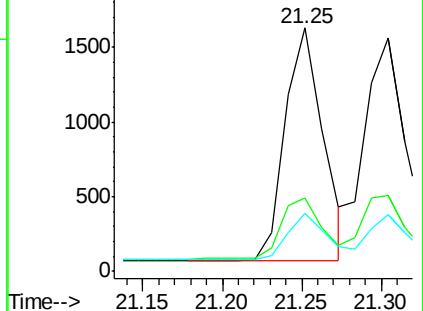
229 23.7 17.0 25.6



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: 0.42 ng/ul

RT: 21.30 min Scan# 1337

Delta R.T. 0.01 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

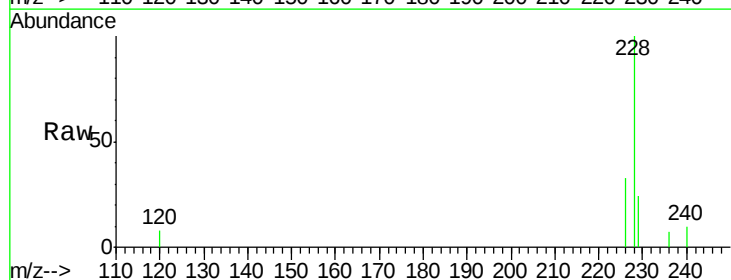
Tgt Ion:228 Resp: 2909

Ion Ratio Lower Upper

228 100

226 32.7 23.4 35.0

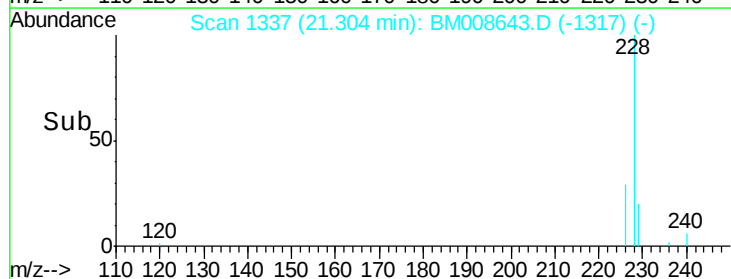
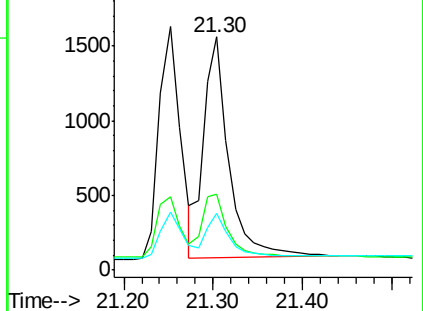
229 24.3 17.7 26.5

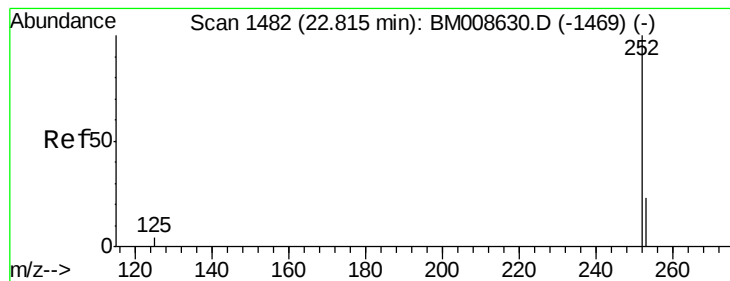


Abundance Ion 228.00 (227.70 to 228.70): E

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/u1

RT: 22.83 min Scan# 1483

Delta R.T. 0.01 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

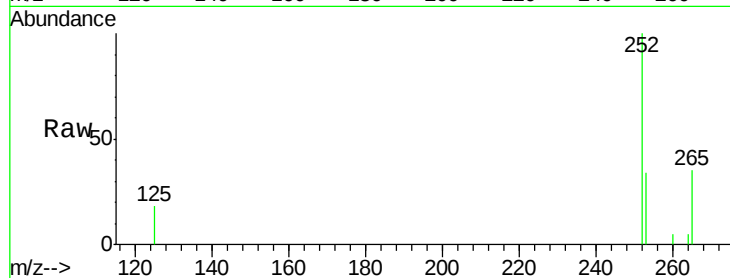
Tgt Ion:252 Resp: 2736

Ion Ratio Lower Upper

252 100

253 34.2 0.0 64.2

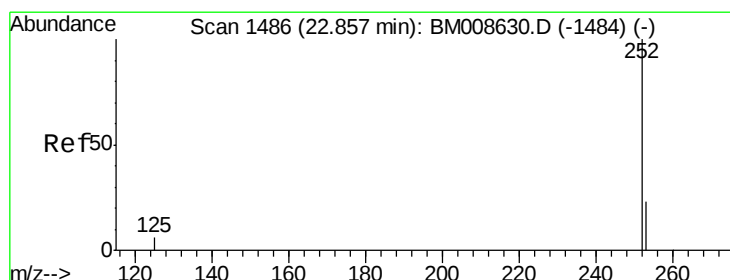
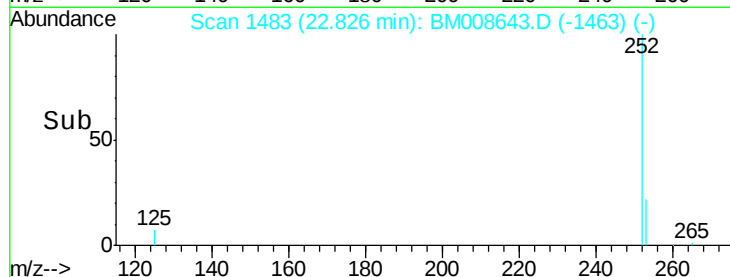
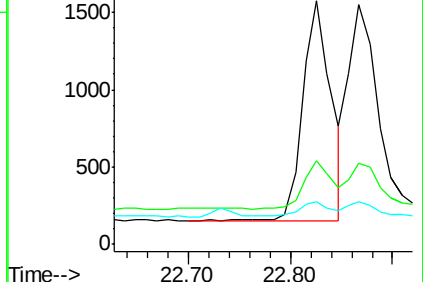
125 17.6 0.0 35.0



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: 0.42 ng/u1

RT: 22.87 min Scan# 1487

Delta R.T. 0.01 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

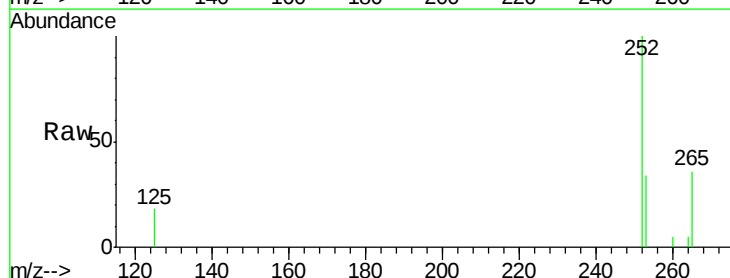
Tgt Ion:252 Resp: 2995

Ion Ratio Lower Upper

252 100

253 33.8 24.5 36.7

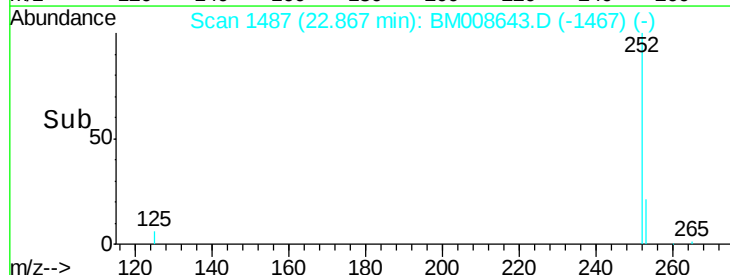
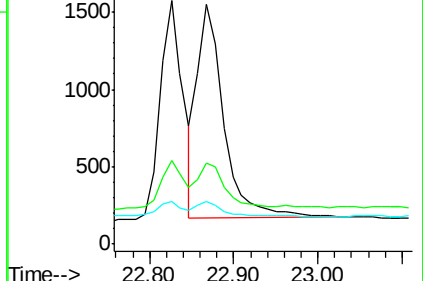
125 17.6 13.7 20.5

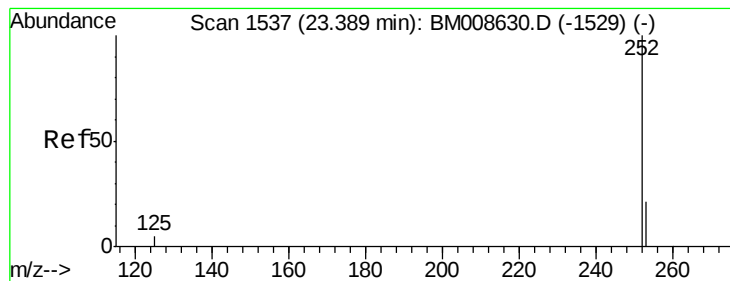


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.40 min Scan# 1538

Delta R.T. 0.01 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

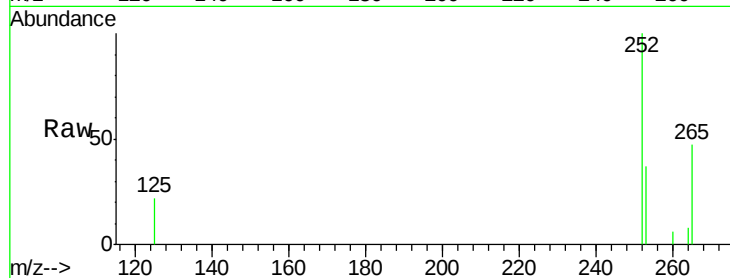
Tgt Ion: 252 Resp: 2817

Ion Ratio Lower Upper

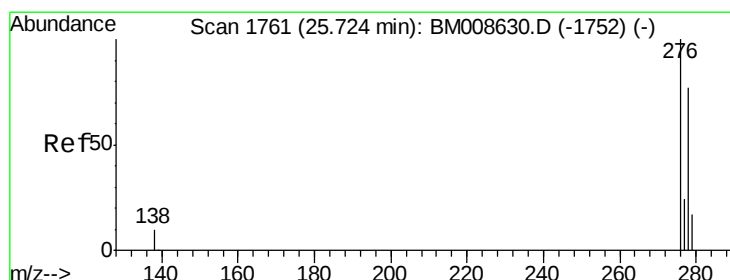
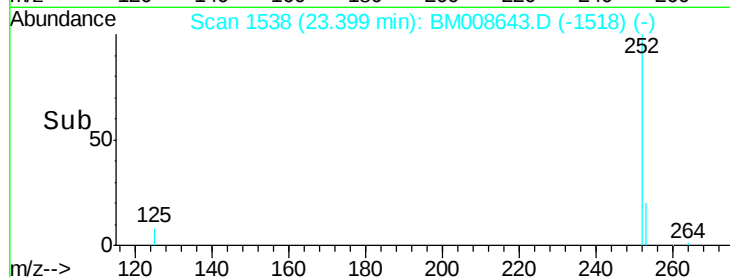
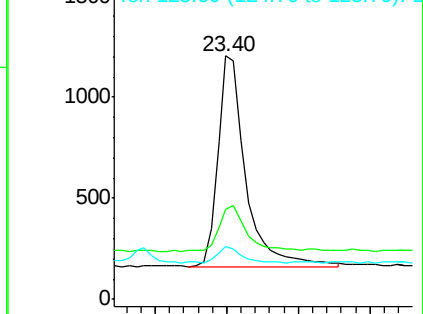
252 100

253 37.2 28.5 42.7

125 21.8 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: 0.40 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. 0.02 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

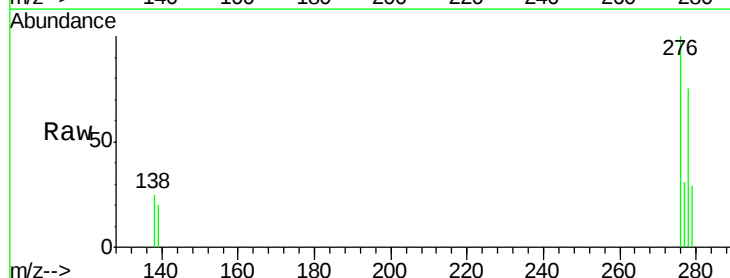
Tgt Ion: 276 Resp: 3262

Ion Ratio Lower Upper

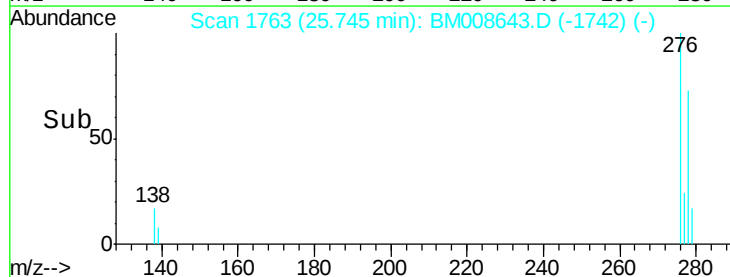
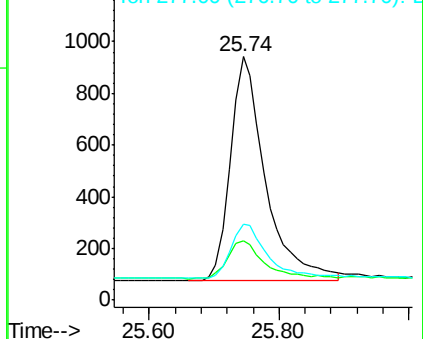
276 100

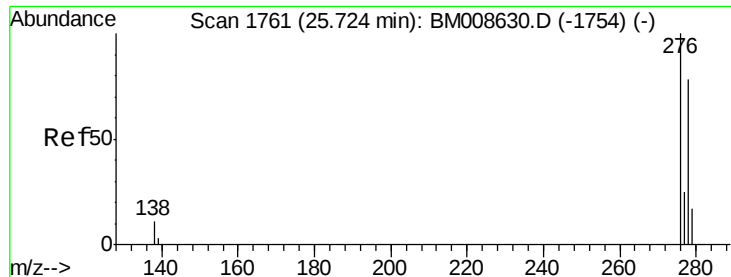
138 17.9 19.1 28.7#

277 25.3 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: 25.74 min Scan# 1763

Delta R.T. 0.02 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

Instrument :

BNA_M

ClientSampleId :

SSTD0.466

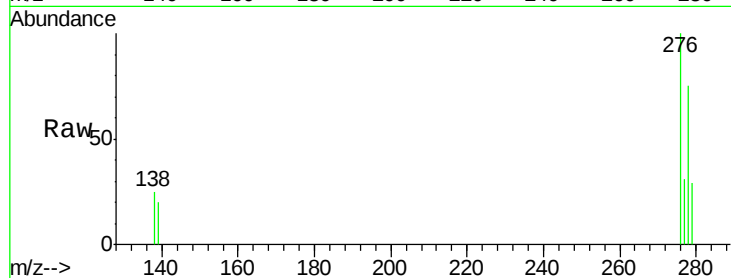
Tgt Ion:278 Resp: 2563

Ion Ratio Lower Upper

278 100

139 26.1 17.4 26.0#

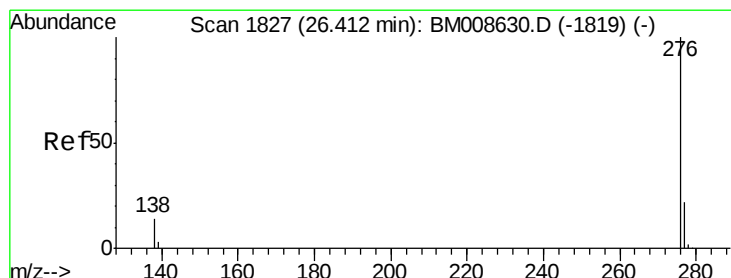
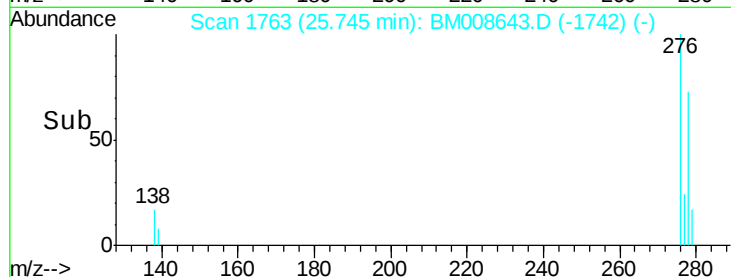
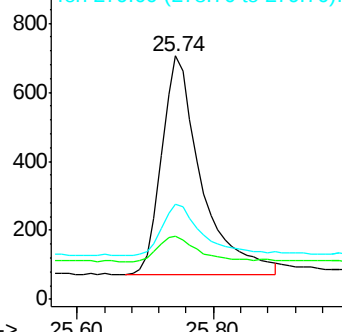
279 39.2 25.9 38.9#



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



#26

Benzo(g,h,i)perylene

Concen: 0.40 ng/ul

RT: 26.43 min Scan# 1829

Delta R.T. 0.02 min

Lab File: BM008643.D

Acq: 24 Dec 2016 21:11

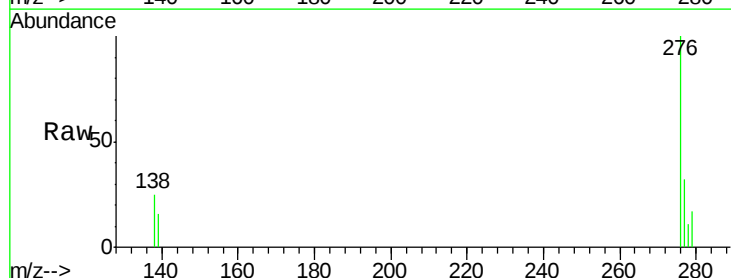
Tgt Ion:276 Resp: 2806

Ion Ratio Lower Upper

276 100

277 31.7 21.8 32.8

138 24.9 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

