

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008534.D
 Acq On : 22 Dec 2016 01:25
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.455

Quant Time: Dec 22 02:23:45 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 22 00:24:45 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.70	152	328	0.40	ng/ul	-0.05
2) Naphthalene-d8	10.48	136	1148	0.40	ng/ul	-0.02
6) Acenaphthene-d10	14.31	164	693	0.40	ng/ul	-0.02
10) Phenanthrene-d10	17.07	188	1299	0.40	ng/ul	-0.02
16) Chrysene-d12	21.26	240	1319	0.40	ng/ul	-0.02
20) Perylene-d12	23.49	264	1288	0.40	ng/ul	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.08	152	683	0.39	ng/ul	-0.03
14) Fluoranthene-d10	19.11	212	1450	0.41	ng/ul	-0.01

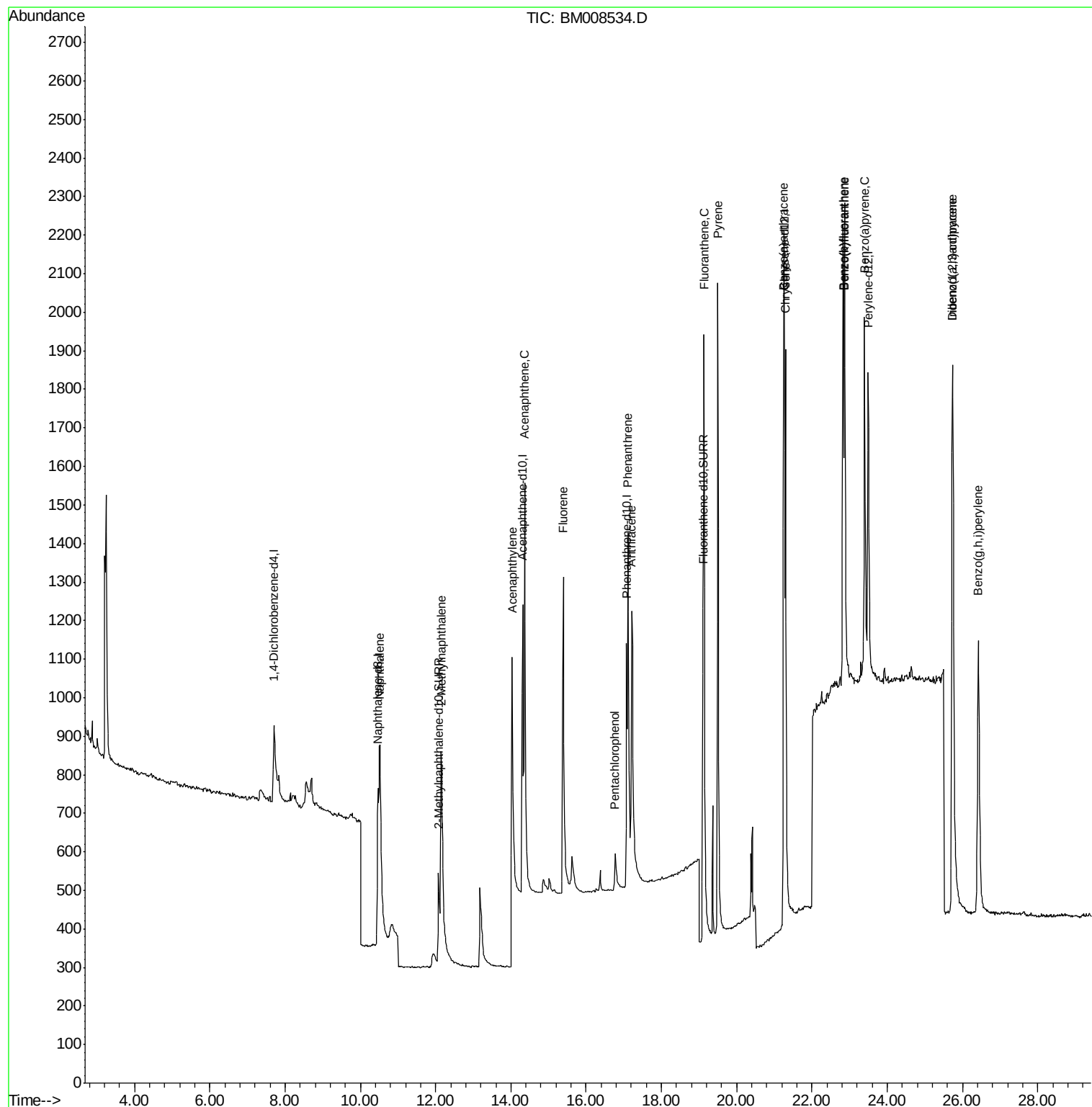
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.52	128	1335	0.41	ng/ul#	80
5) 2-Methylnaphthalene	12.15	142	864	0.40	ng/ul	96
7) Acenaphthylene	14.04	152	1276	0.41	ng/ul#	88
8) Acenaphthene	14.37	153	947	0.40	ng/ul	93
9) Fluorene	15.39	166	1034	0.38	ng/ul#	95
11) Pentachlorophenol	16.76	266	158	0.39	ng/ul	93
12) Phenanthrene	17.11	178	1514	0.38	ng/ul#	91
13) Anthracene	17.21	178	1567	0.41	ng/ul#	90
15) Fluoranthene	19.13	202	1972	0.41	ng/ul	95
17) Pyrene	19.50	202	2146	0.42	ng/ul	96
18) Benzo(a)anthracene	21.25	228	1705	0.39	ng/ul	94
19) Chrysene	21.30	228	1972	0.42	ng/ul	92
21) Benzo(b)fluoranthene	22.83	252	1946	0.38	ng/ul	92
22) Benzo(k)fluoranthene	22.87	252	1960	0.40	ng/ul#	91
23) Benzo(a)pyrene	23.40	252	1913	0.41	ng/ul	93
24) Indeno(1,2,3-cd)pyrene	25.73	276	2239	0.40	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.73	278	1804	0.40	ng/ul#	87
26) Benzo(g,h,i)perylene	26.42	276	1963	0.41	ng/ul	94

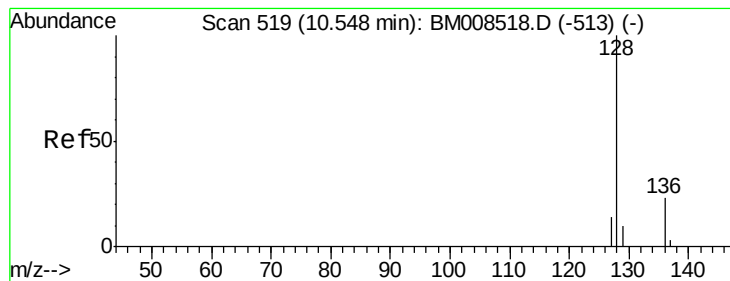
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.41 ng/ul

RT: 10.52 min Scan# 517

Delta R.T. -0.02 min

Lab File: BM008534.D

Acq: 22 Dec 2016 01:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

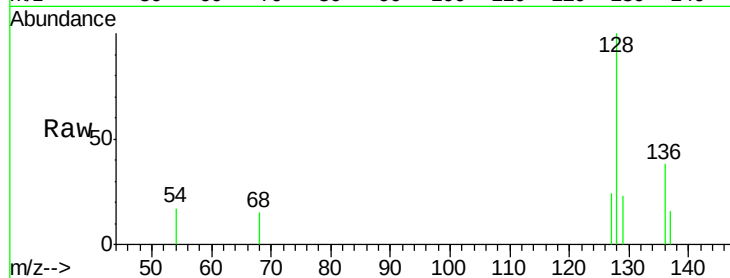
Tgt Ion:128 Resp: 1335

Ion Ratio Lower Upper

128 100

129 22.8 11.3 16.9#

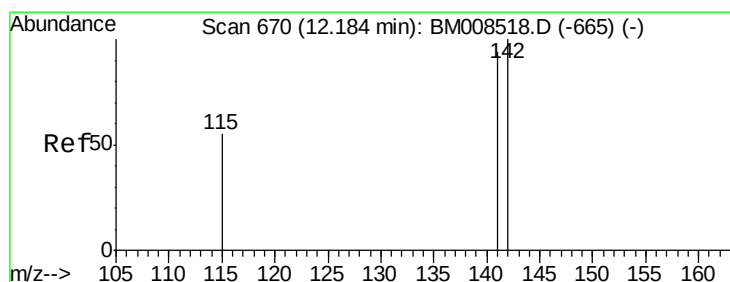
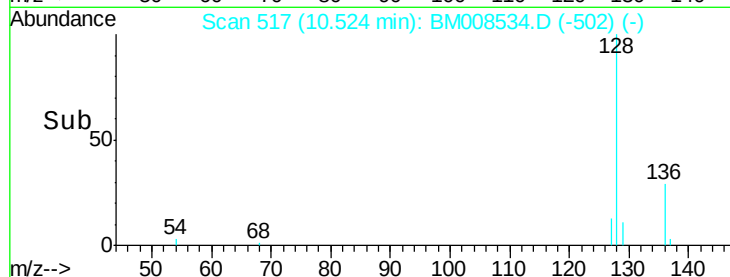
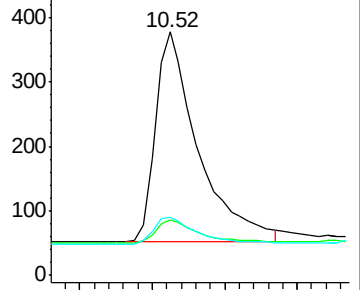
127 24.1 12.8 19.2#



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: 0.40 ng/ul

RT: 12.15 min Scan# 667

Delta R.T. -0.03 min

Lab File: BM008534.D

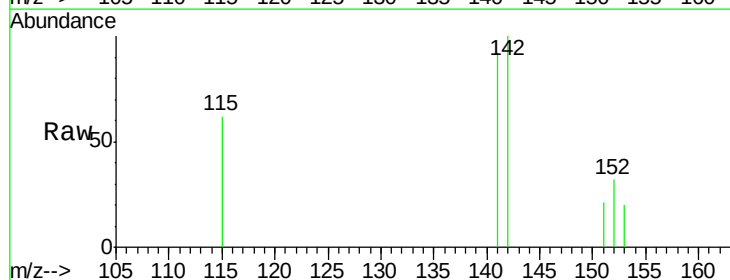
Acq: 22 Dec 2016 01:25

Tgt Ion:142 Resp: 864

Ion Ratio Lower Upper

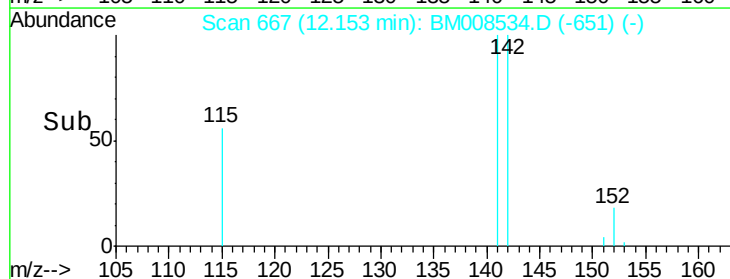
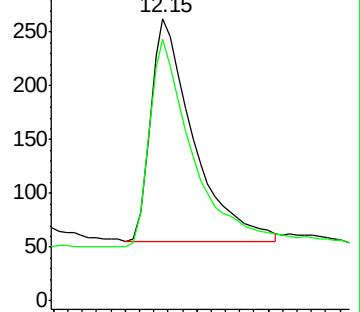
142 100

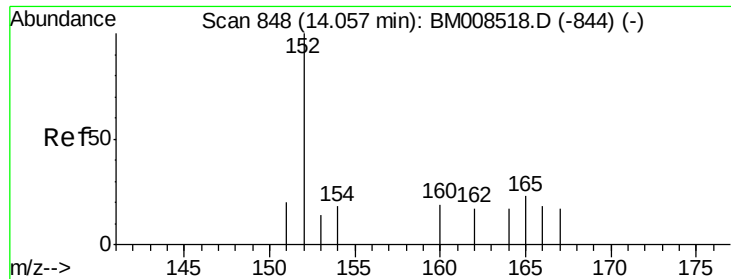
141 94.3 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.41 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. -0.02 min

Lab File: BM008534.D

Acq: 22 Dec 2016 01:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

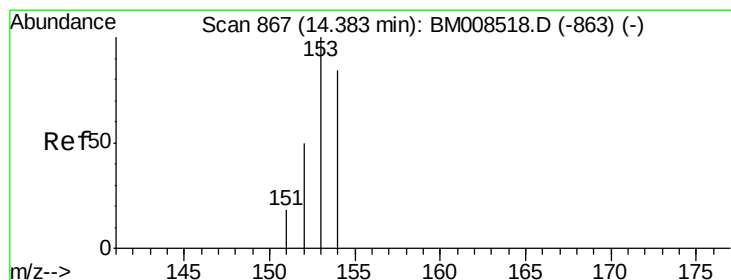
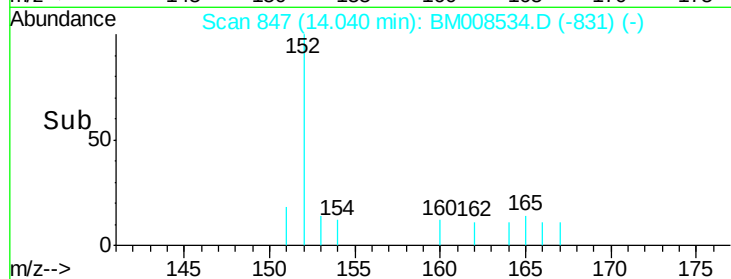
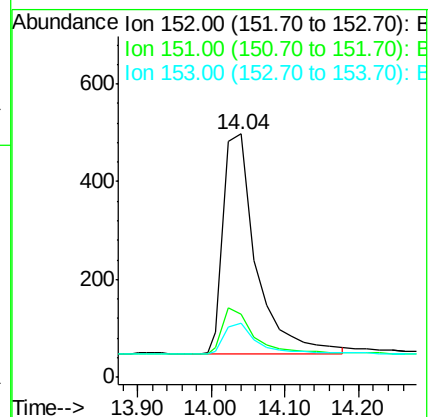
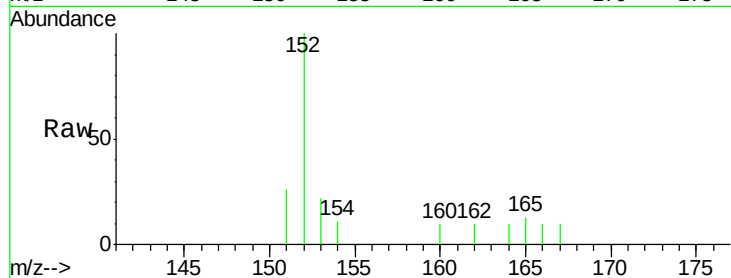
Tgt Ion:152 Resp: 1276

Ion Ratio Lower Upper

152 100

151 26.1 17.1 25.7#

153 22.1 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: BM008534.D

Acq: 22 Dec 2016 01:25

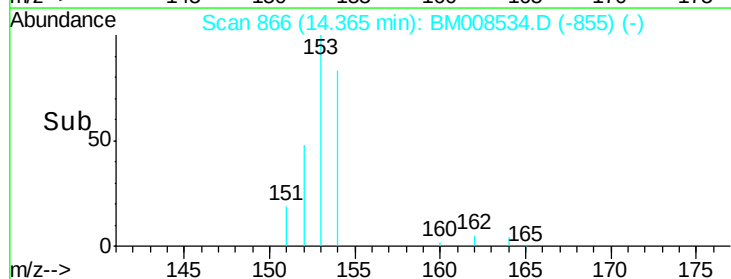
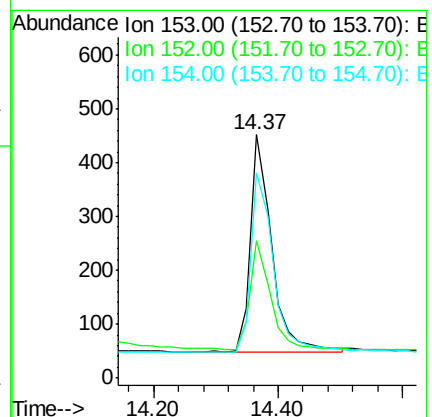
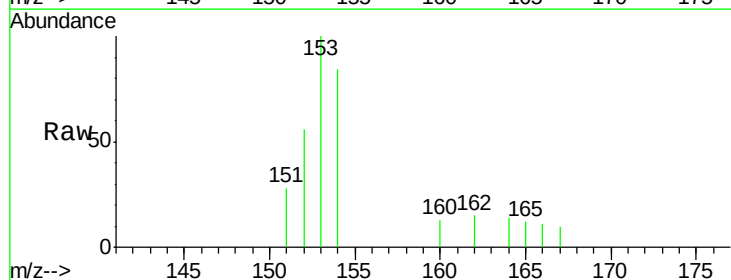
Tgt Ion:153 Resp: 947

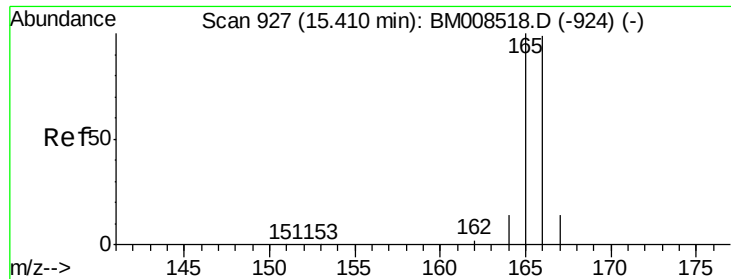
Ion Ratio Lower Upper

153 100

152 56.4 40.3 60.5

154 84.3 71.4 107.2

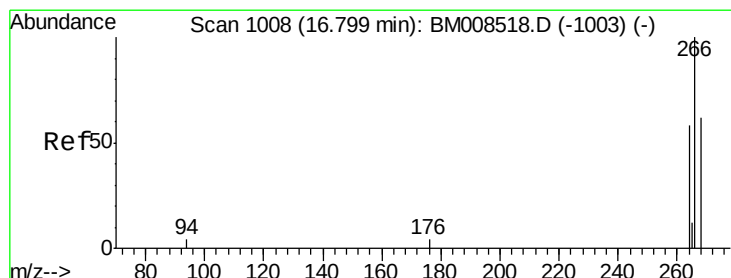
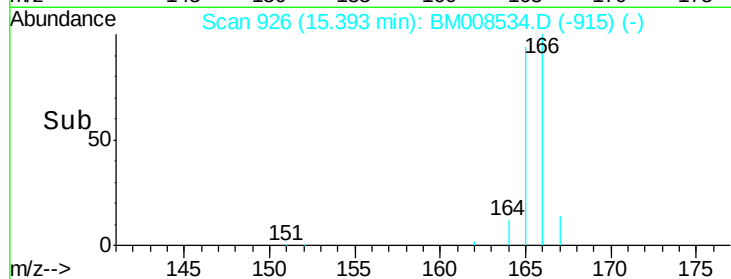
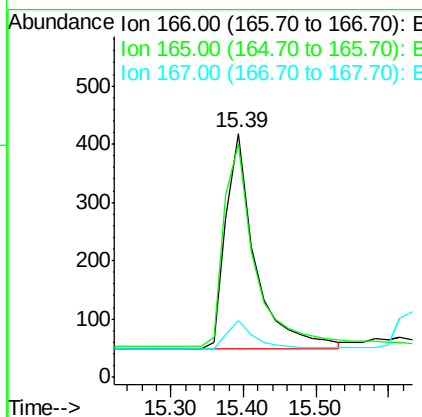
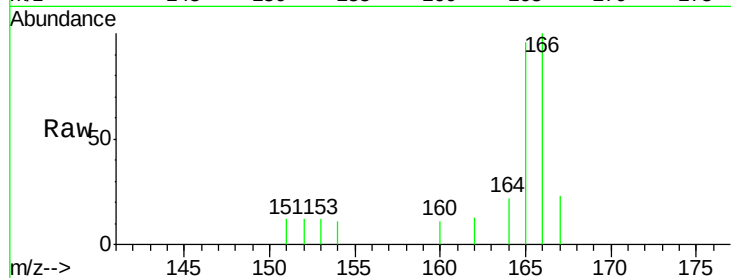




#9
Fluorene
 Concen: 0.38 ng/ul
 RT: 15.39 min Scan# 926
 Delta R.T. -0.02 min
 Lab File: BM008534.D
 Acq: 22 Dec 2016 01:25

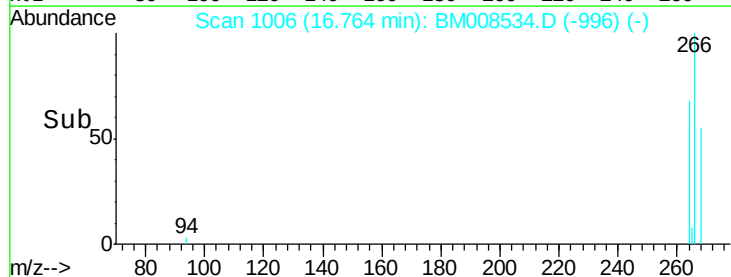
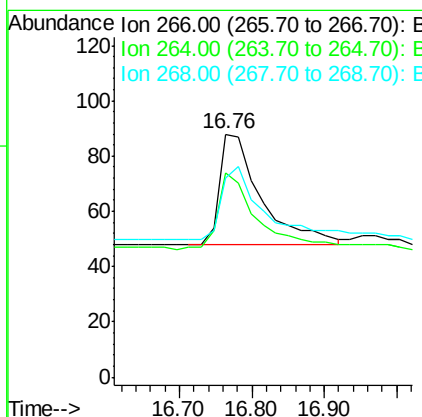
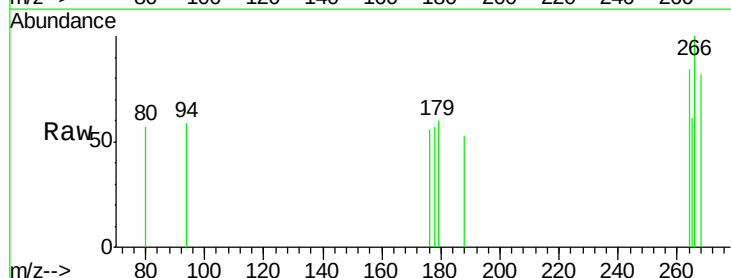
Instrument :
 BNA_M
 ClientSampleId :
 SST0.455

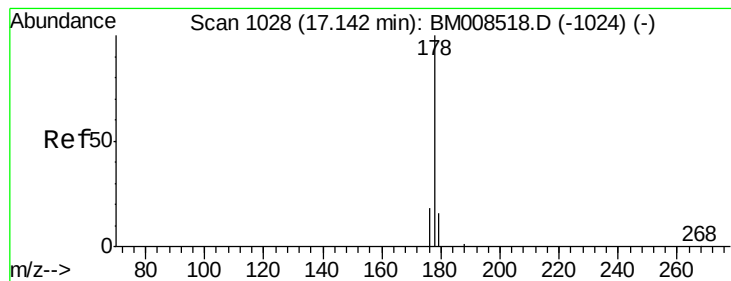
Tgt Ion:166 Resp: 1034
 Ion Ratio Lower Upper
 166 100
 165 95.7 73.4 110.2
 167 23.4 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.39 ng/ul
 RT: 16.76 min Scan# 1006
 Delta R.T. -0.03 min
 Lab File: BM008534.D
 Acq: 22 Dec 2016 01:25

Tgt Ion:266 Resp: 158
 Ion Ratio Lower Upper
 266 100
 264 69.0 47.9 71.9
 268 63.3 49.8 74.8





#12

Phenanthrene

Concen: 0.38 ng/ul

RT: 17.11 min Scan# 1026

Delta R.T. -0.03 min

Lab File: BM008534.D

Acq: 22 Dec 2016 01:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

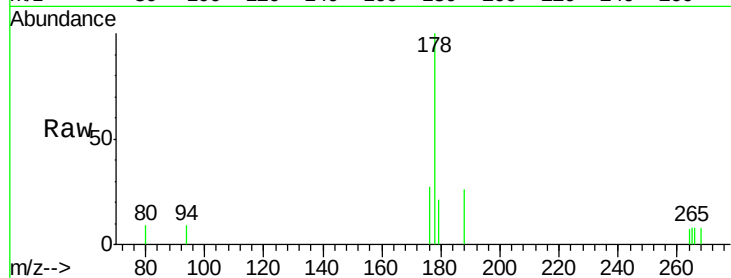
Tgt Ion:178 Resp: 1514

Ion Ratio Lower Upper

178 100

176 27.4 18.4 27.6

179 21.2 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

17.11

600

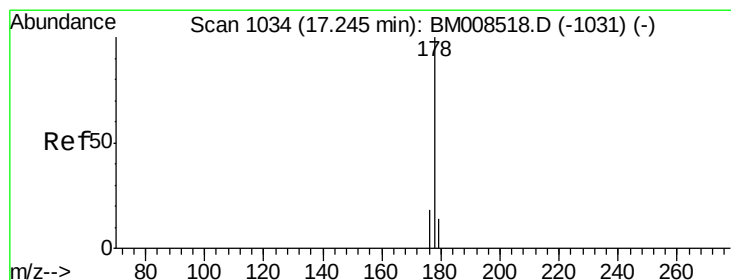
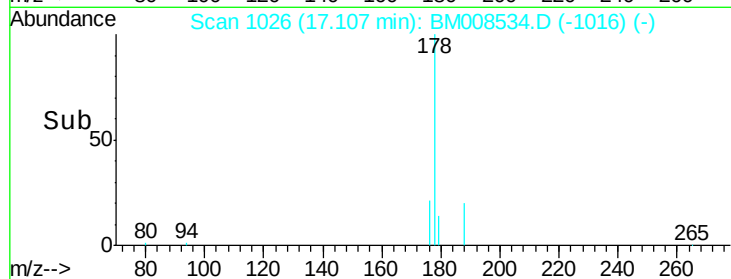
400

200

0

17.00 17.10 17.20

Time-->



#13

Anthracene

Concen: 0.41 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.03 min

Lab File: BM008534.D

Acq: 22 Dec 2016 01:25

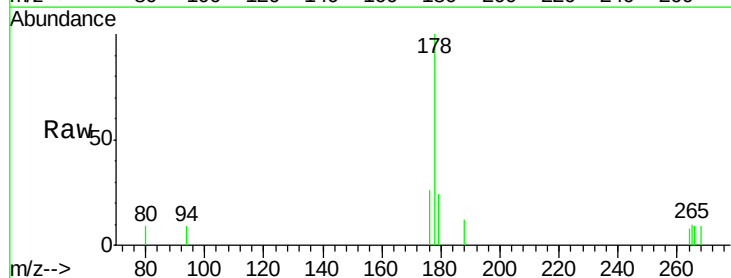
Tgt Ion:178 Resp: 1567

Ion Ratio Lower Upper

178 100

176 26.4 18.1 27.1

179 23.9 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

17.21

600

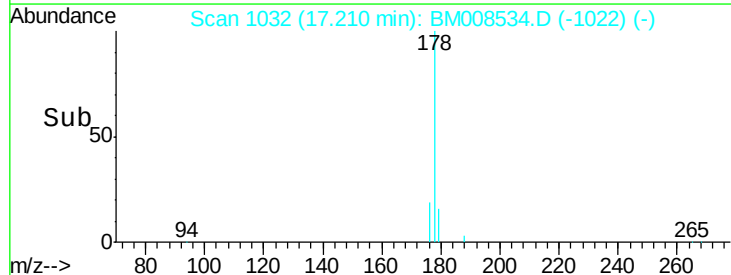
400

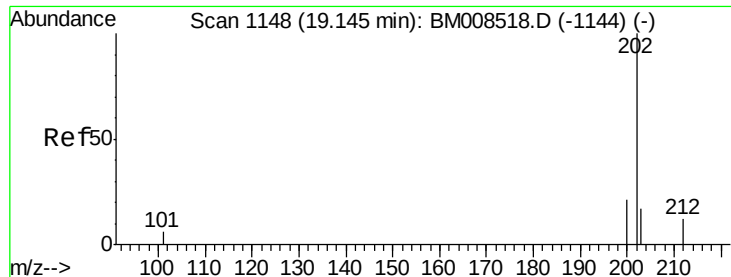
200

0

17.10 17.20 17.30 17.40

Time-->

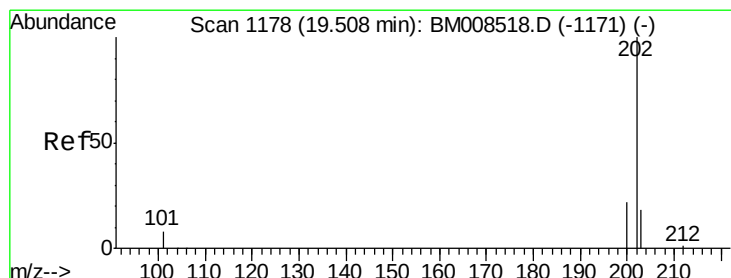
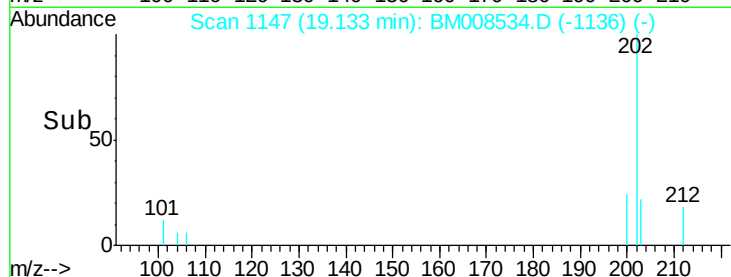
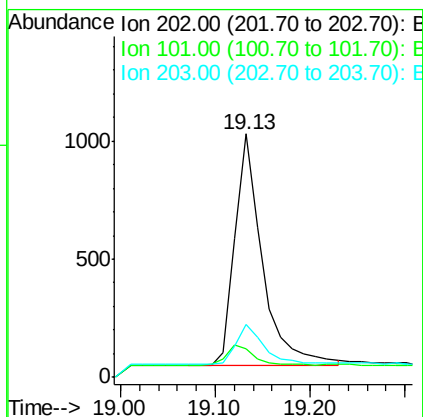
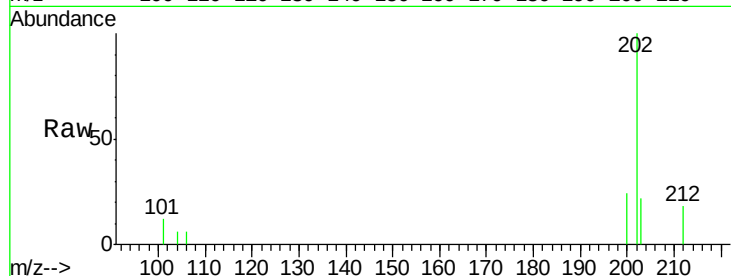




#15
 Fluoranthene
 Concen: 0.41 ng/ul
 RT: 19.13 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BM008534.D
 Acq: 22 Dec 2016 01:25

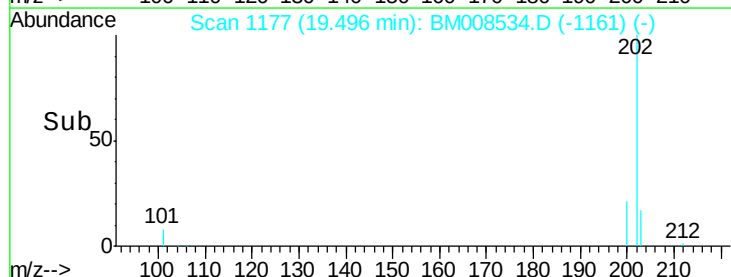
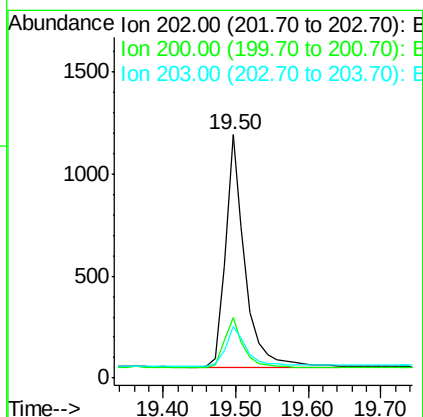
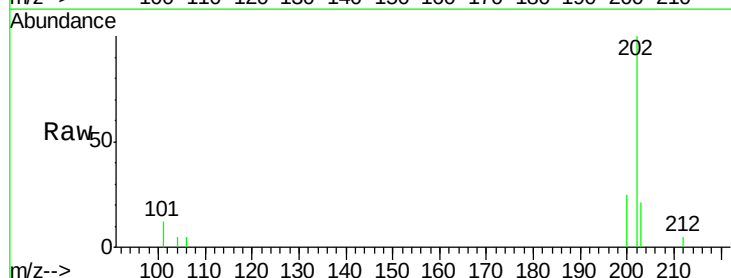
Instrument :
 BNA_M
 ClientSampleId :
 SST0.455

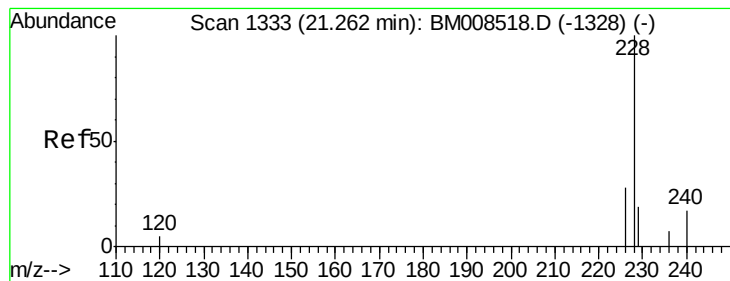
Tgt Ion: 202 Resp: 1972
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 30.3
 203 21.8 0.0 39.5



#17
 Pyrene
 Concen: 0.42 ng/ul
 RT: 19.50 min Scan# 1177
 Delta R.T. -0.01 min
 Lab File: BM008534.D
 Acq: 22 Dec 2016 01:25

Tgt Ion: 202 Resp: 2146
 Ion Ratio Lower Upper
 202 100
 200 24.7 18.2 27.4
 203 21.2 15.6 23.4





#18

Benzo(a)anthracene

Concen: 0.39 ng/ul

RT: 21.25 min Scan# 1332

Delta R.T. -0.01 min

Lab File: BM008534.D

Acq: 22 Dec 2016 01:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

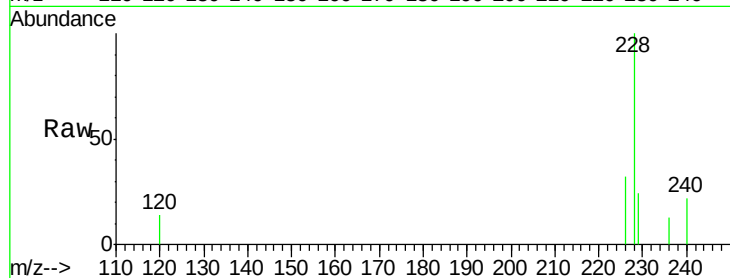
Tgt Ion:228 Resp: 1705

Ion Ratio Lower Upper

228 100

226 31.6 22.8 34.2

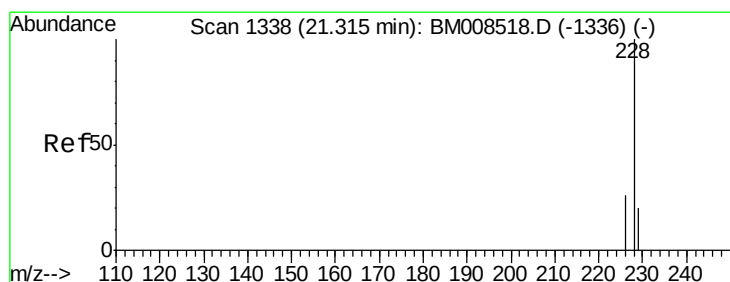
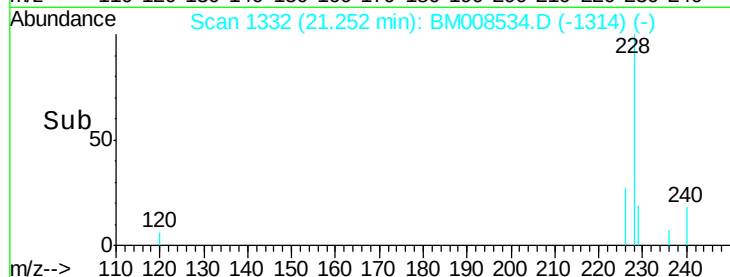
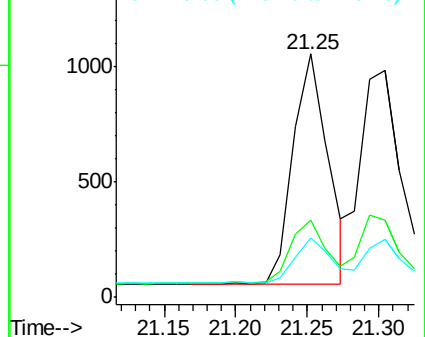
229 24.3 17.0 25.6



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: BM008534.D

Acq: 22 Dec 2016 01:25

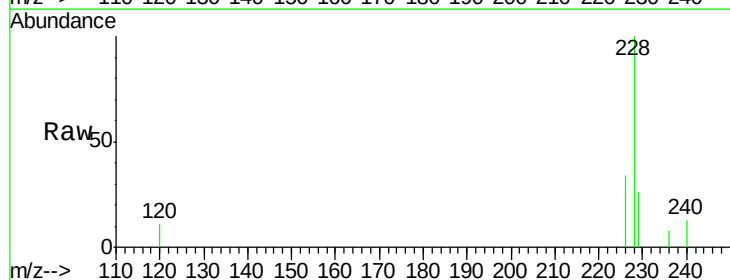
Tgt Ion:228 Resp: 1972

Ion Ratio Lower Upper

228 100

226 33.7 23.4 35.0

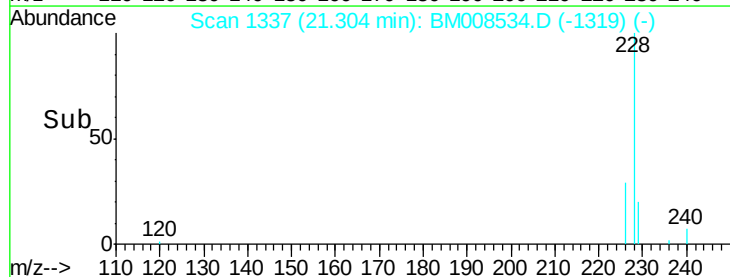
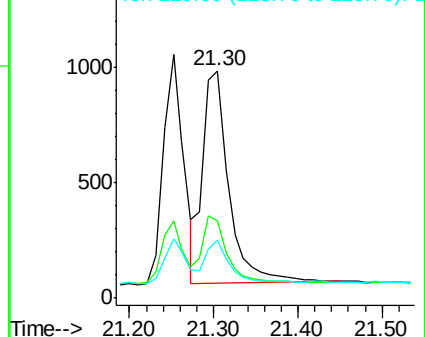
229 25.6 17.7 26.5

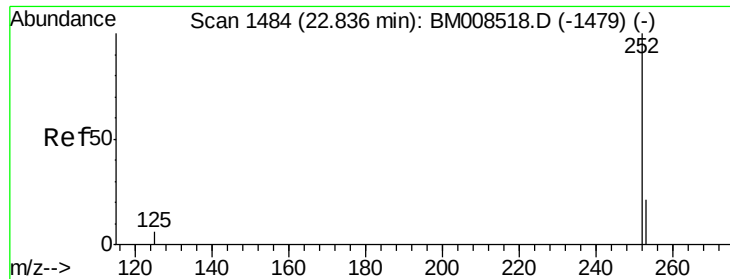


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.38 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. -0.01 min

Lab File: BM008534.D

Acq: 22 Dec 2016 01:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

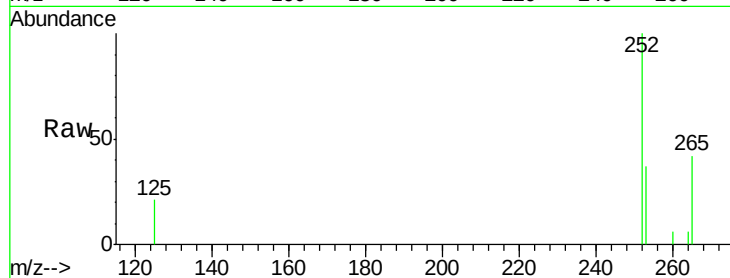
Tgt Ion:252 Resp: 1946

Ion Ratio Lower Upper

252 100

253 36.8 0.0 64.2

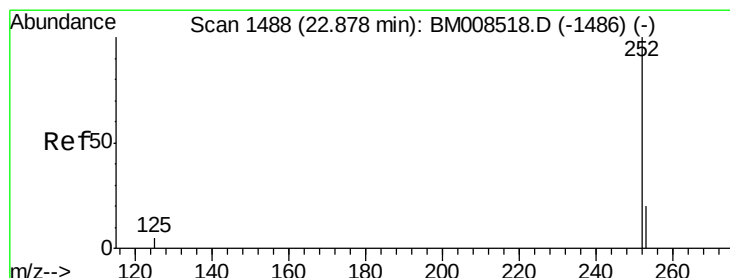
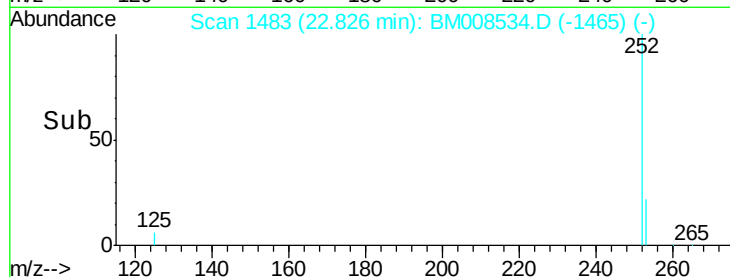
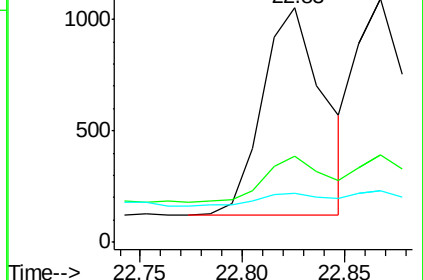
125 21.0 0.0 35.0



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: 0.40 ng/ul

RT: 22.87 min Scan# 1487

Delta R.T. -0.01 min

Lab File: BM008534.D

Acq: 22 Dec 2016 01:25

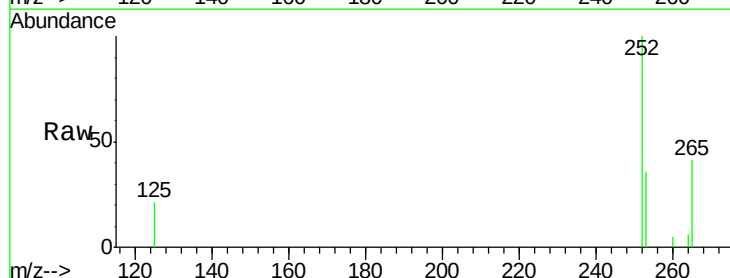
Tgt Ion:252 Resp: 1960

Ion Ratio Lower Upper

252 100

253 35.9 24.5 36.7

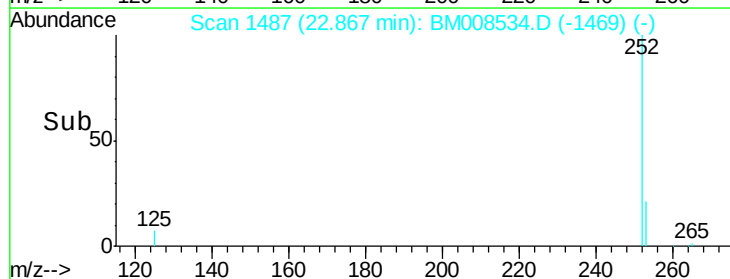
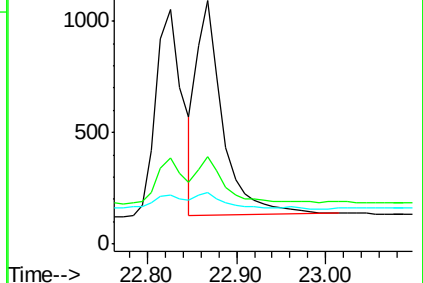
125 21.0 13.7 20.5#

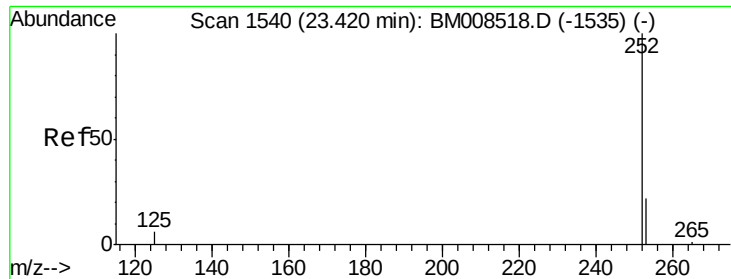


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.40 min Scan# 1538

Delta R.T. -0.02 min

Lab File: BM008534.D

Acq: 22 Dec 2016 01:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

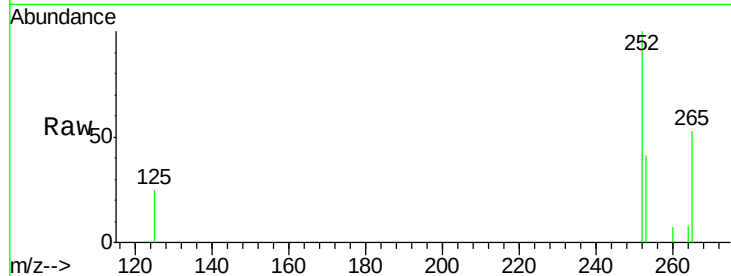
Tgt Ion: 252 Resp: 1913

Ion Ratio Lower Upper

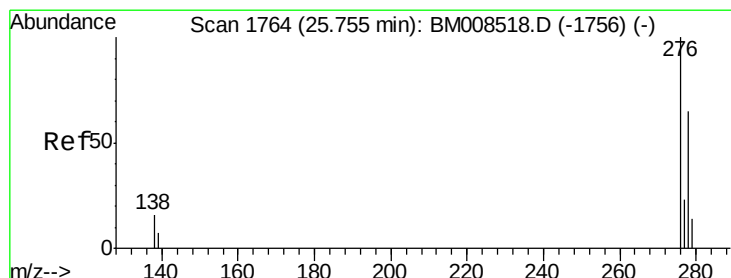
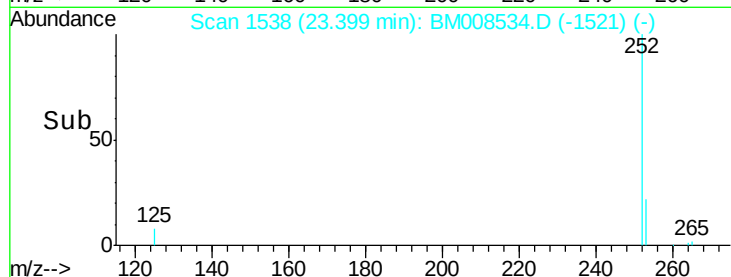
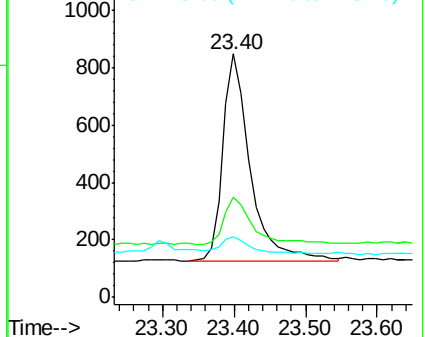
252 100

253 41.0 28.5 42.7

125 24.8 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: 25.73 min Scan# 1762

Delta R.T. -0.02 min

Lab File: BM008534.D

Acq: 22 Dec 2016 01:25

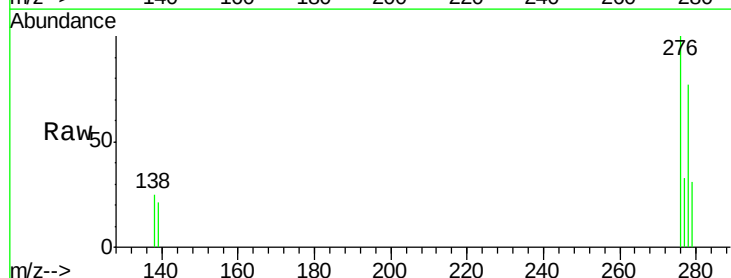
Tgt Ion: 276 Resp: 2239

Ion Ratio Lower Upper

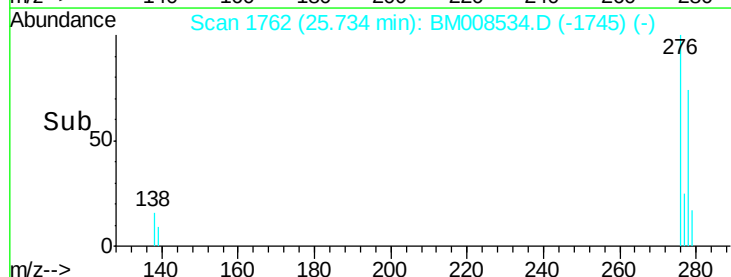
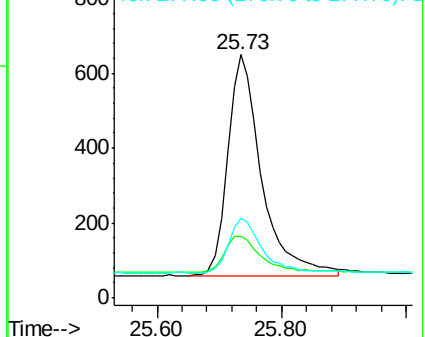
276 100

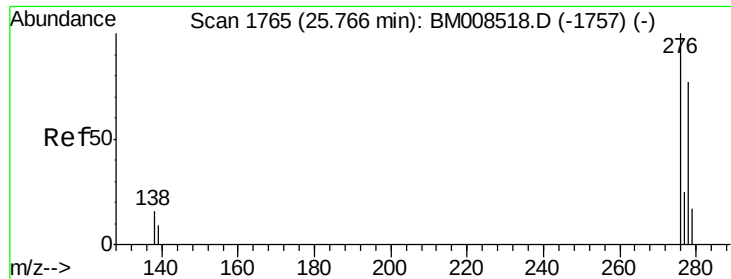
138 17.4 19.1 28.7#

277 25.0 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: 25.73 min Scan# 1762

Delta R.T. -0.03 min

Lab File: BM008534.D

Acq: 22 Dec 2016 01:25

Instrument :

BNA_M

ClientSampleId :

SSTD0.455

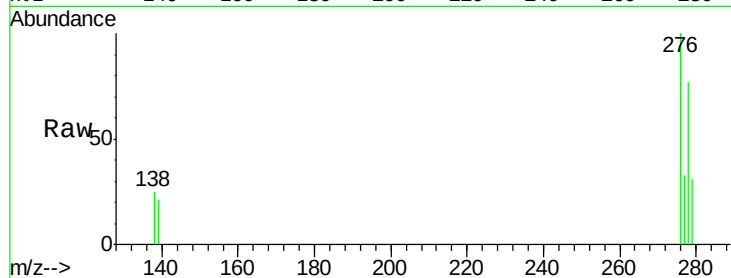
Tgt Ion: 278 Resp: 1804

Ion Ratio Lower Upper

278 100

139 27.1 17.4 26.0#

279 40.4 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

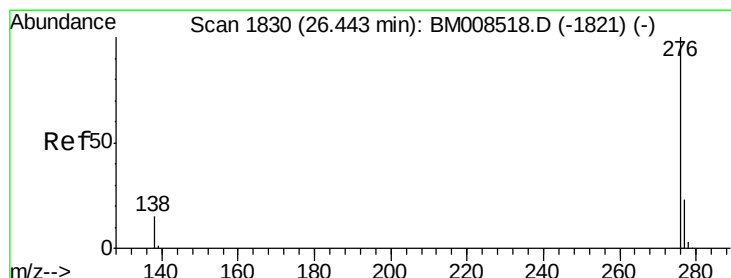
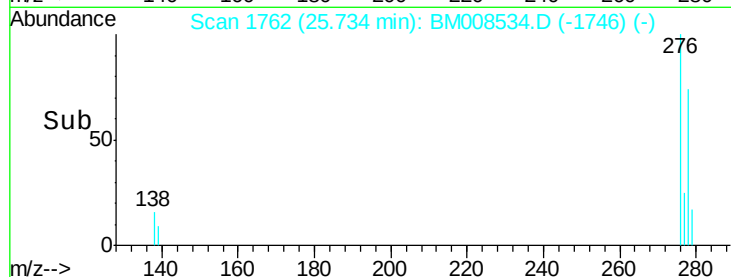
25.73

400

200

0

Time-->



#26

Benzo(g,h,i)perylene

Concen: 0.41 ng/ul

RT: 26.42 min Scan# 1828

Delta R.T. -0.02 min

Lab File: BM008534.D

Acq: 22 Dec 2016 01:25

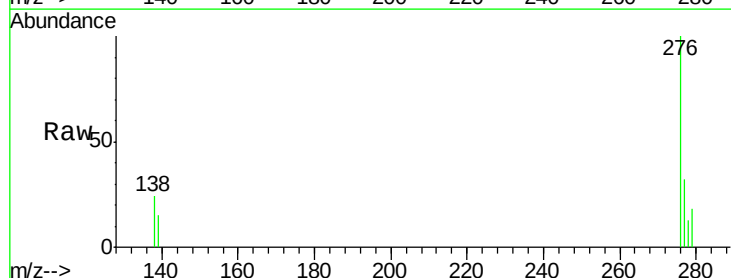
Tgt Ion: 276 Resp: 1963

Ion Ratio Lower Upper

276 100

277 31.7 21.8 32.8

138 24.3 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

26.42

600

400

200

0

Time-->

