

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM122116\
 Data File : BM008508.D
 Acq On : 21 Dec 2016 09:12
 Operator : UM/SJ
 Sample : SSTDCCC0.4
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.453

Quant Time: Dec 22 00:01:14 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM121916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 21 02:43:00 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	309	0.40	ng/ul	0.02
2) Naphthalene-d8	10.49	136	1189	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.31	164	662	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	1139	0.40	ng/ul	0.02
16) Chrysene-d12	21.27	240	1080	0.40	ng/ul	0.00
20) Perylene-d12	23.50	264	1054	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.09	152	680	0.37	ng/ul	0.01
14) Fluoranthene-d10	19.11	212	1233	0.39	ng/ul	0.00

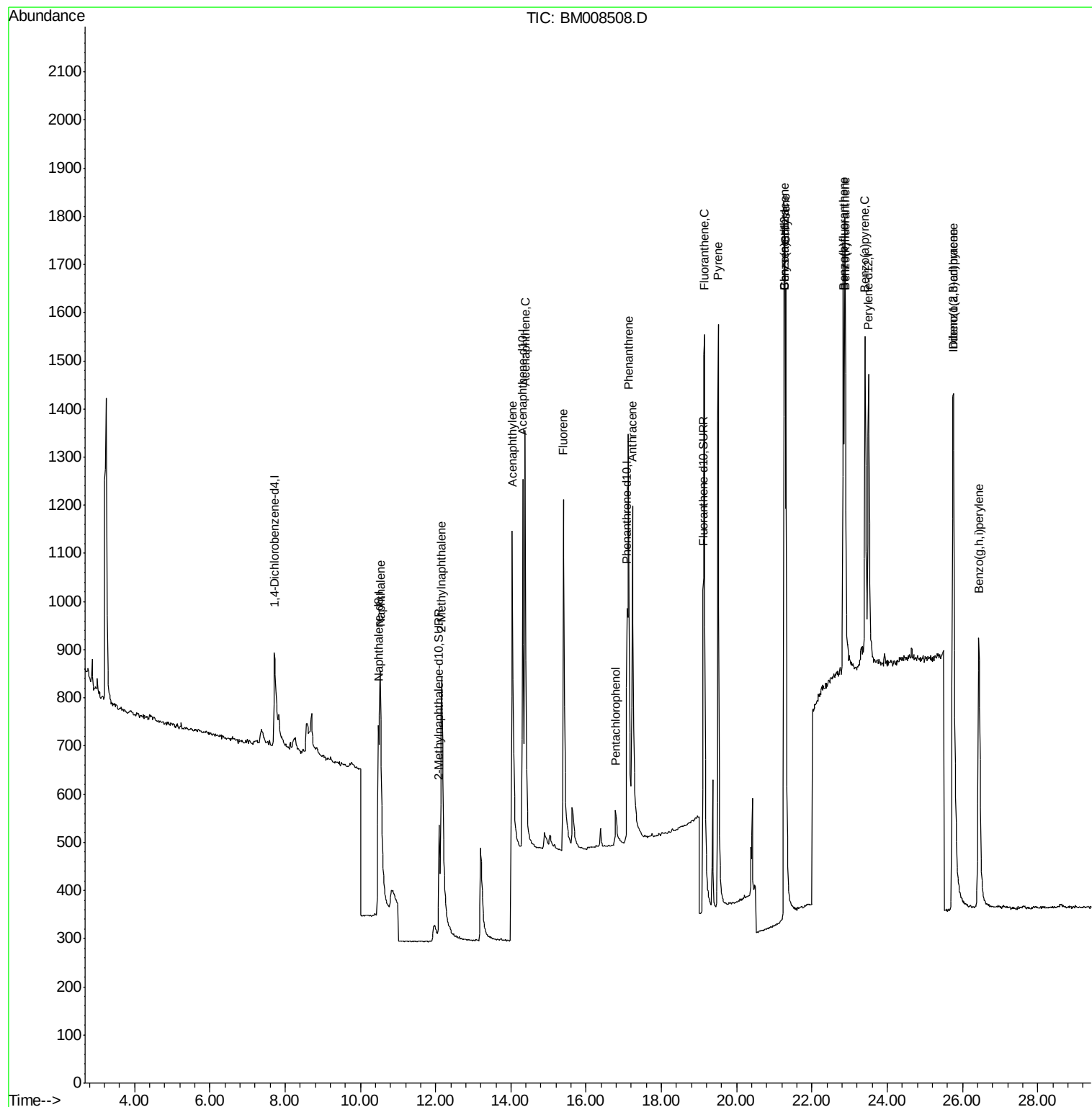
Target Compounds						Qvalue
3) Naphthalene	10.54	128	1330	0.40	ng/ul#	79
5) 2-Methylnaphthalene	12.16	142	831	0.37	ng/ul	92
7) Acenaphthylene	14.04	152	1177	0.39	ng/ul#	89
8) Acenaphthene	14.38	153	913	0.41	ng/ul	94
9) Fluorene	15.39	166	968	0.38	ng/ul#	84
11) Pentachlorophenol	16.78	266	128	0.36	ng/ul	98
12) Phenanthrene	17.12	178	1373	0.39	ng/ul#	91
13) Anthracene	17.23	178	1360	0.40	ng/ul#	89
15) Fluoranthene	19.14	202	1711	0.40	ng/ul	95
17) Pyrene	19.51	202	1822	0.44	ng/ul	95
18) Benzo(a)anthracene	21.26	228	1405	0.40	ng/ul	93
19) Chrysene	21.30	228	1639	0.42	ng/ul	93
21) Benzo(b)fluoranthene	22.83	252	1611	0.39	ng/ul	94
22) Benzo(k)fluoranthene	22.88	252	1575	0.39	ng/ul#	92
23) Benzo(a)pyrene	23.41	252	1540	0.40	ng/ul	92
24) Indeno(1,2,3-cd)pyrene	25.74	276	1912	0.42	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.76	278	1509	0.41	ng/ul#	86
26) Benzo(g,h,i)perylene	26.43	276	1662	0.42	ng/ul	94

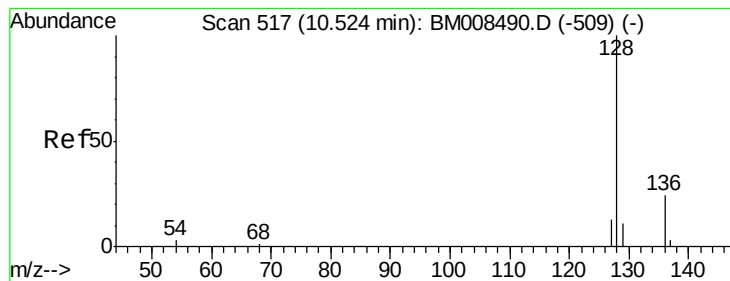
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.40 ng/ul

RT: 10.54 min Scan# 518

Delta R.T. 0.01 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

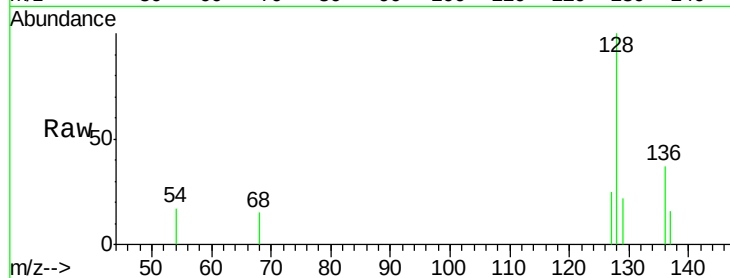
Tgt Ion:128 Resp: 1330

Ion Ratio Lower Upper

128 100

129 22.4 11.3 16.9#

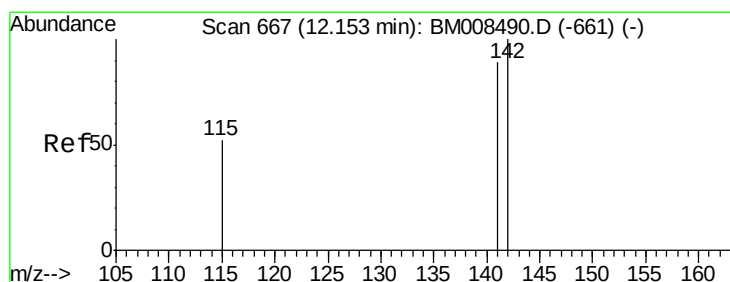
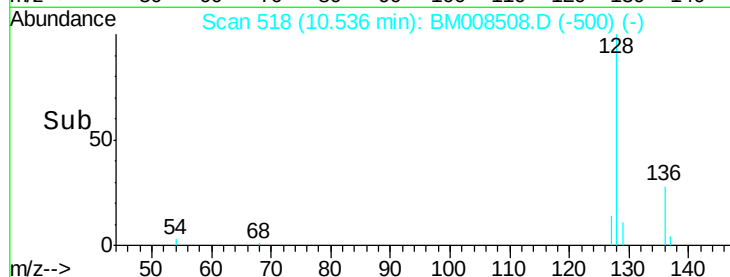
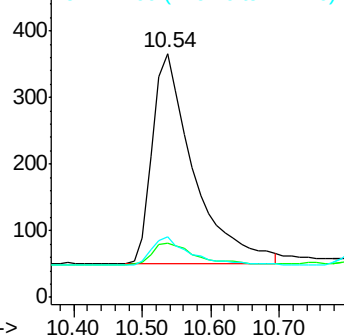
127 24.9 12.8 19.2#



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: 0.37 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. 0.01 min

Lab File: BM008508.D

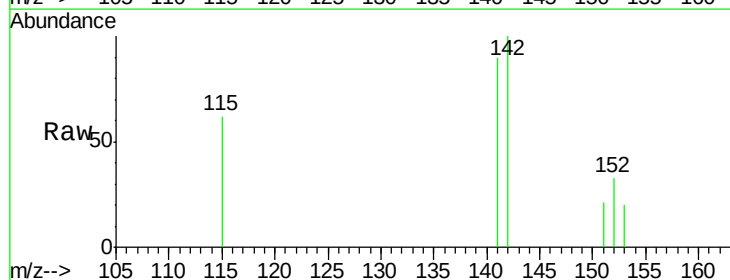
Acq: 21 Dec 2016 09:12

Tgt Ion:142 Resp: 831

Ion Ratio Lower Upper

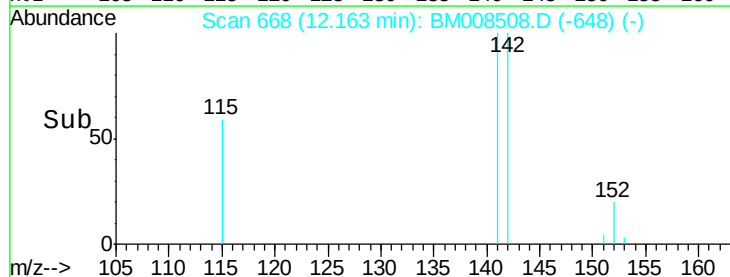
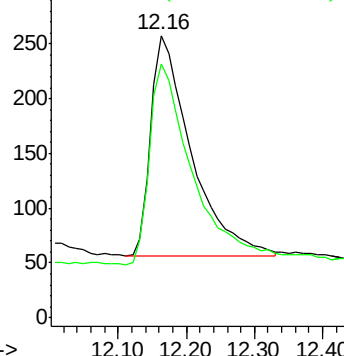
142 100

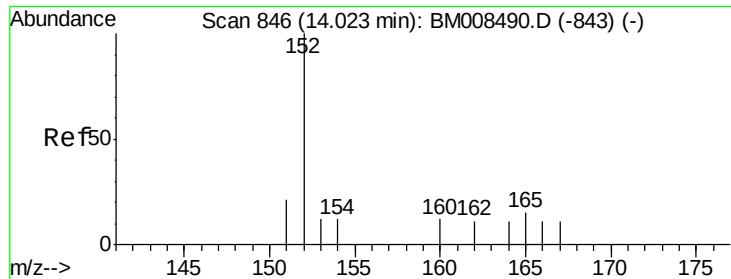
141 98.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.39 ng/ul

RT: 14.04 min Scan# 847

Delta R.T. 0.02 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

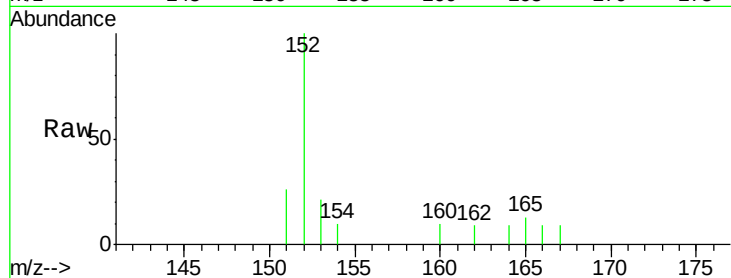
Tgt Ion:152 Resp: 1177

Ion Ratio Lower Upper

152 100

151 26.3 17.1 25.7#

153 21.3 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

14.04

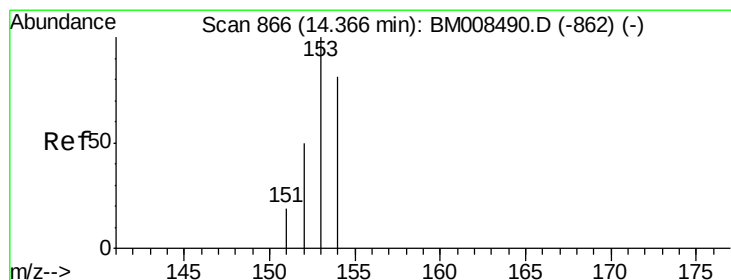
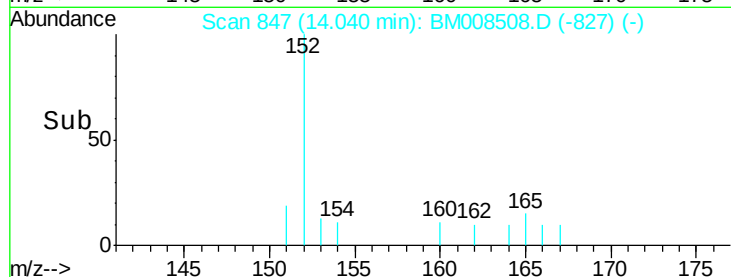
600

400

200

0

Time--> 13.90 14.00 14.10 14.20



#8

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.38 min Scan# 867

Delta R.T. 0.02 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

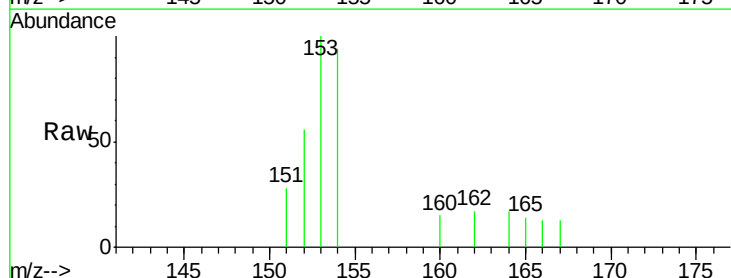
Tgt Ion:153 Resp: 913

Ion Ratio Lower Upper

153 100

152 55.7 40.3 60.5

154 93.5 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

14.38

500

400

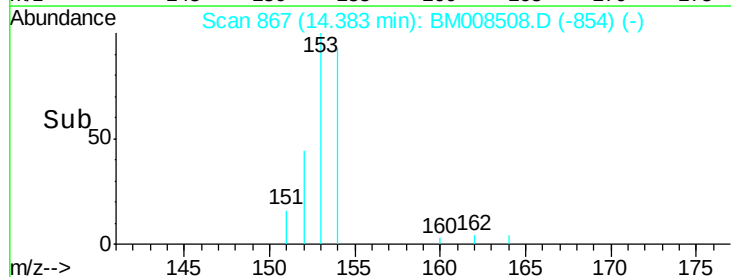
300

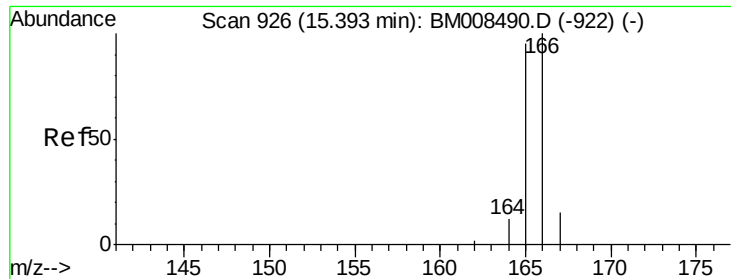
200

100

0

Time--> 14.20 14.30 14.40 14.50

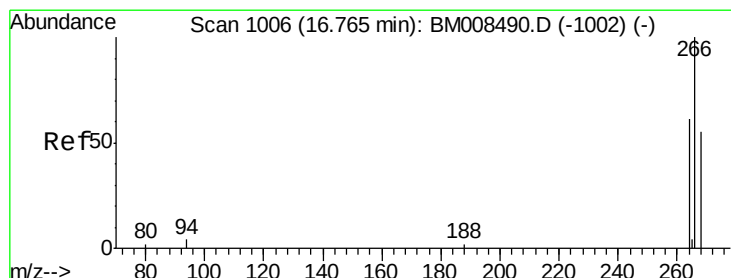
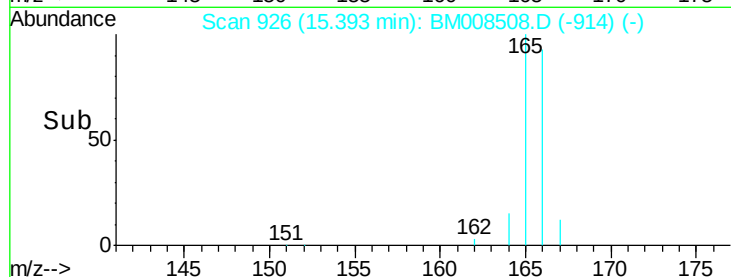
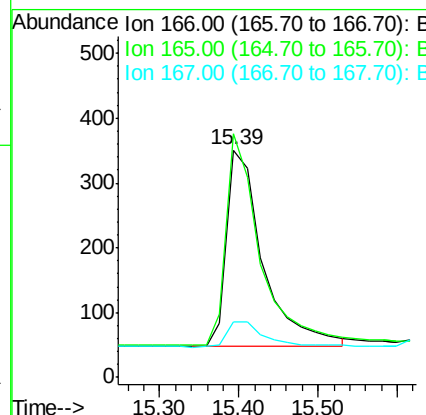
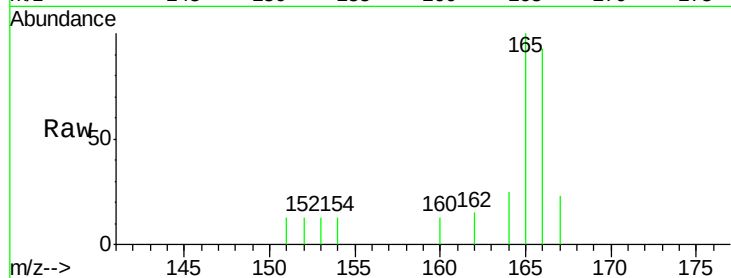




#9
Fluorene
 Concen: 0.38 ng/ul
 RT: 15.39 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: BM008508.D
 Acq: 21 Dec 2016 09:12

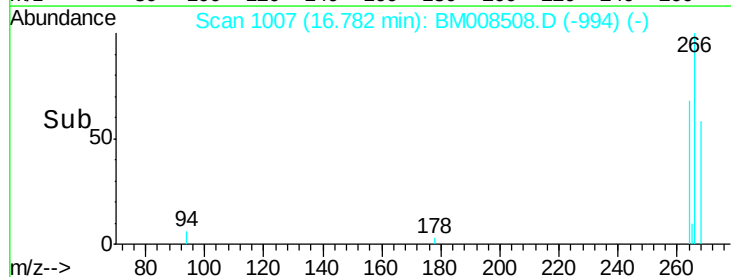
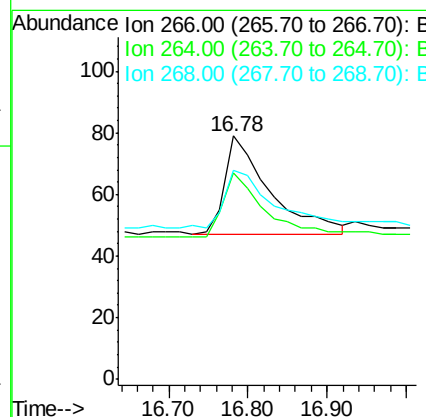
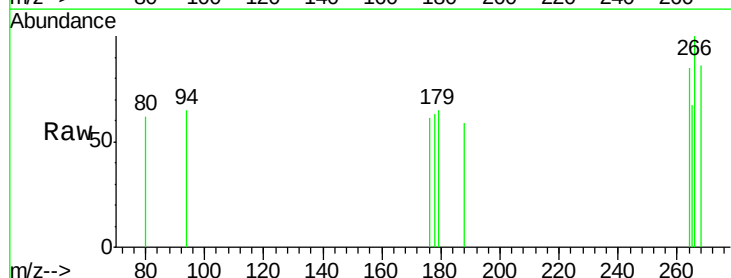
Instrument :
 BNA_M
 ClientSampleId :
 SSTD0.453

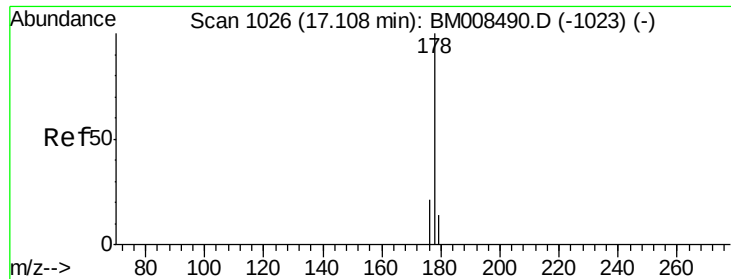
Tgt Ion:166 Resp: 968
 Ion Ratio Lower Upper
 166 100
 165 107.1 73.4 110.2
 167 24.5 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.36 ng/ul
 RT: 16.78 min Scan# 1007
 Delta R.T. 0.02 min
 Lab File: BM008508.D
 Acq: 21 Dec 2016 09:12

Tgt Ion:266 Resp: 128
 Ion Ratio Lower Upper
 266 100
 264 59.4 47.9 71.9
 268 64.1 49.8 74.8





#12

Phenanthrene

Concen: 0.39 ng/ul

RT: 17.12 min Scan# 1027

Delta R.T. 0.02 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

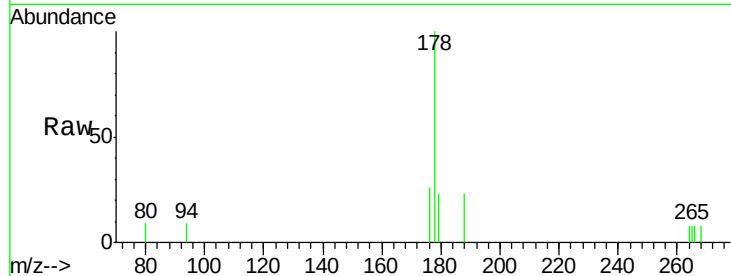
Tgt Ion:178 Resp: 1373

Ion Ratio Lower Upper

178 100

176 25.6 18.4 27.6

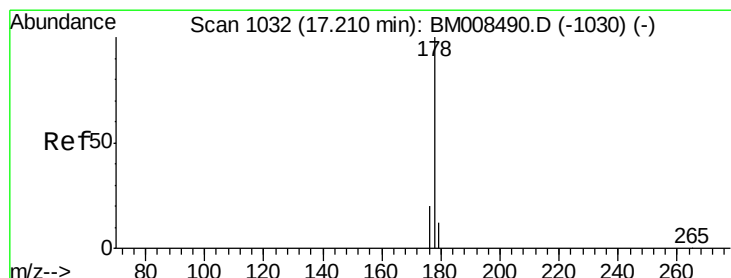
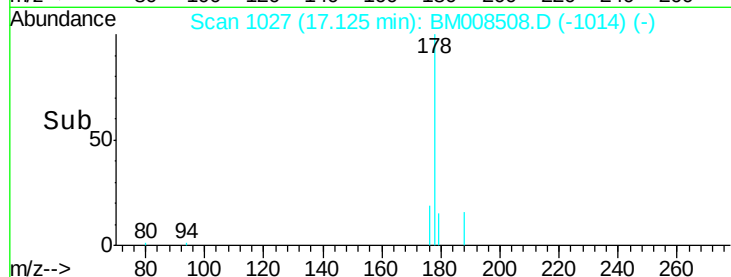
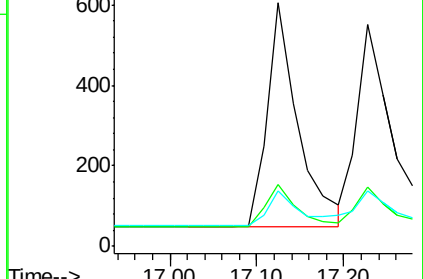
179 22.6 13.6 20.4#



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



#13

Anthracene

Concen: 0.40 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.02 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

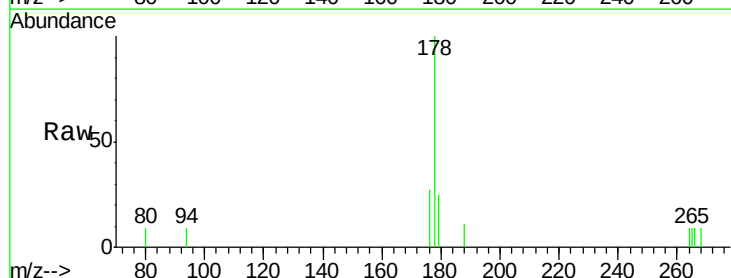
Tgt Ion:178 Resp: 1360

Ion Ratio Lower Upper

178 100

176 26.5 18.1 27.1

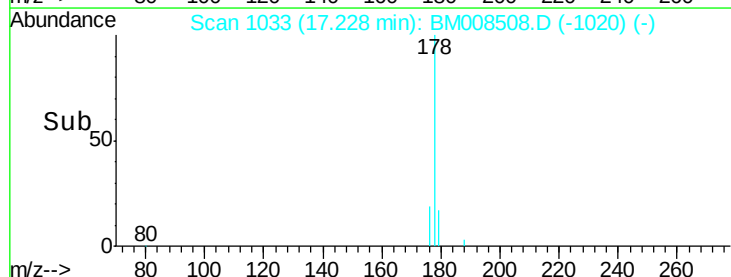
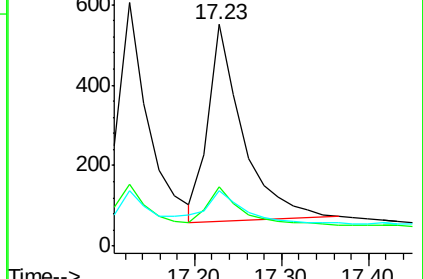
179 25.1 14.7 22.1#

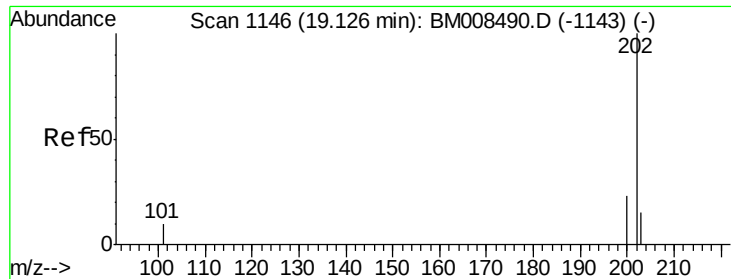


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.40 ng/ul

RT: 19.14 min Scan# 1148

Delta R.T. 0.02 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

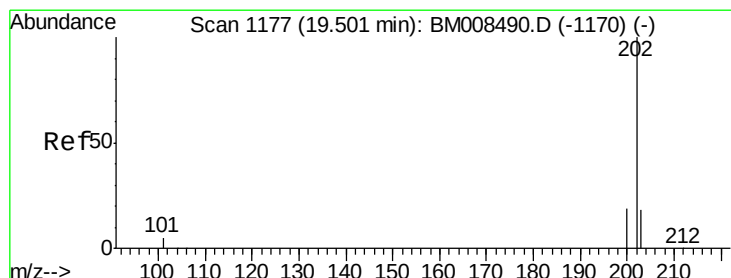
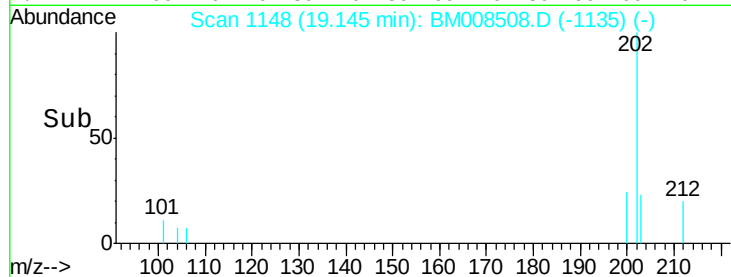
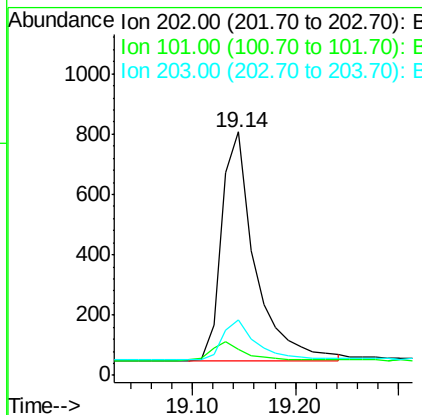
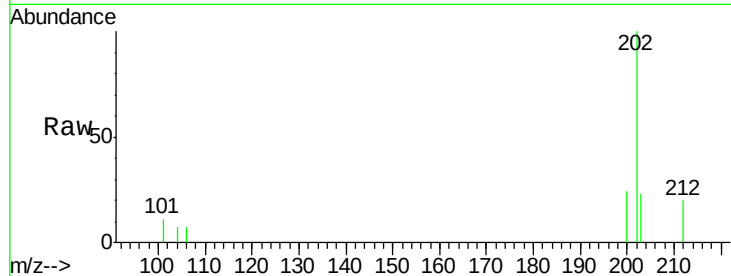
Instrument :

BNA_M

ClientSampleId :

SSTD0.453

Tgt Ion:	202	Resp:	1711
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	30.3
203	22.9	0.0	39.5



#17

Pyrene

Concen: 0.44 ng/ul

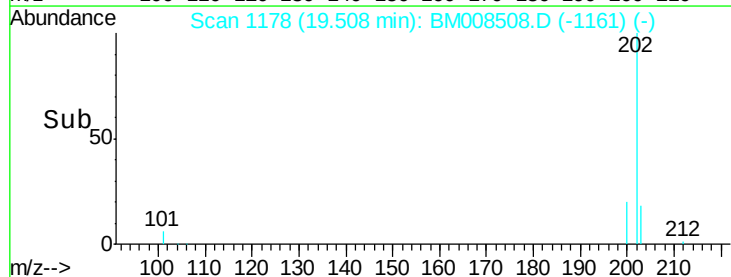
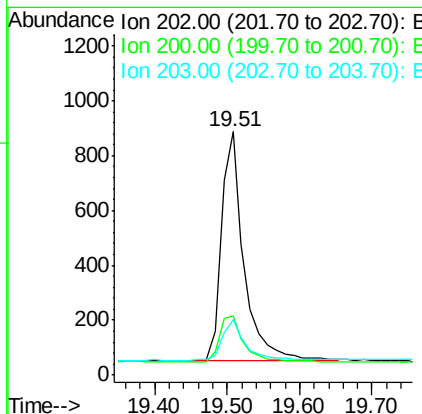
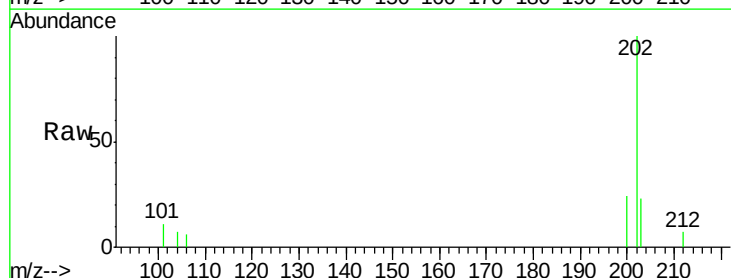
RT: 19.51 min Scan# 1178

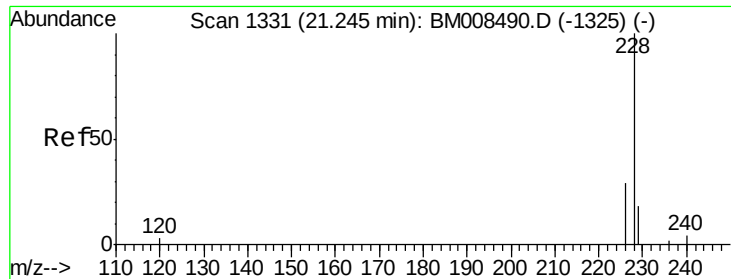
Delta R.T. 0.01 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

Tgt Ion:	202	Resp:	1822
Ion	Ratio	Lower	Upper
202	100		
200	24.3	18.2	27.4
203	22.7	15.6	23.4





#18

Benzo(a)anthracene

Concen: 0.40 ng/ul

RT: 21.26 min Scan# 1333

Delta R.T. 0.02 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

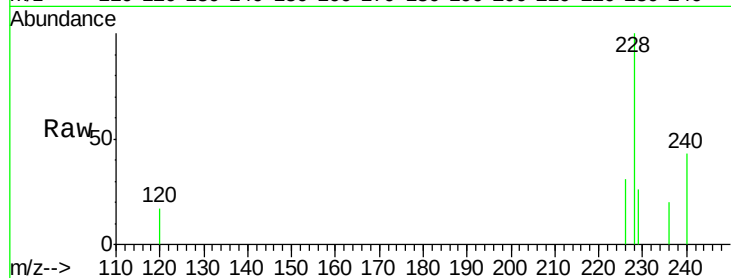
Tgt Ion:228 Resp: 1405

Ion Ratio Lower Upper

228 100

226 31.3 22.8 34.2

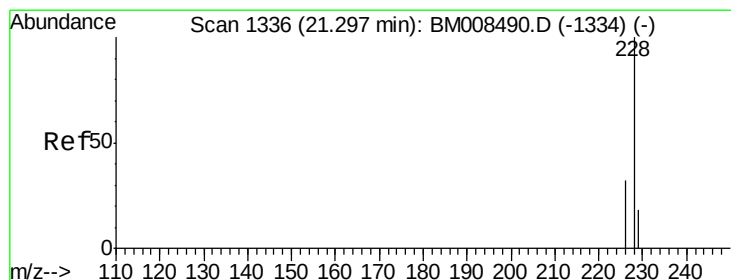
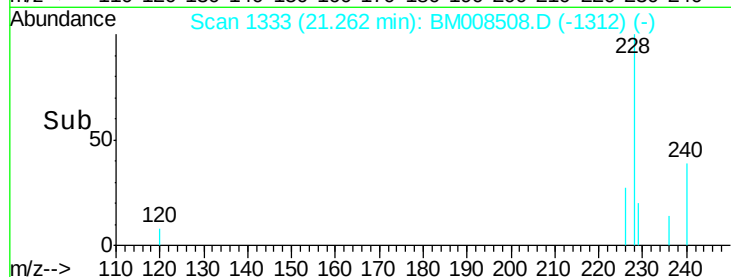
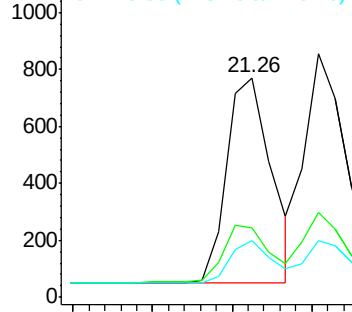
229 25.5 17.0 25.6



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: BM008508.D

Acq: 21 Dec 2016 09:12

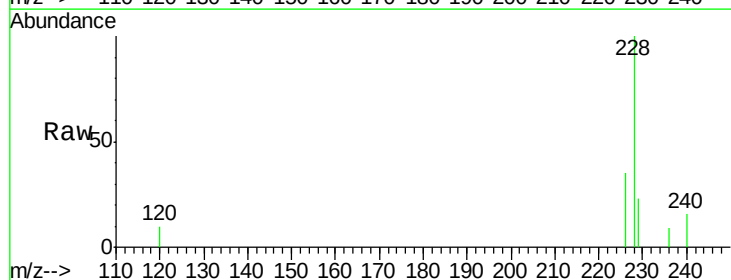
Tgt Ion:228 Resp: 1639

Ion Ratio Lower Upper

228 100

226 34.9 23.4 35.0

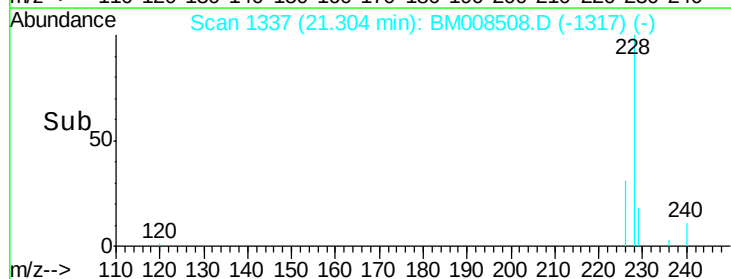
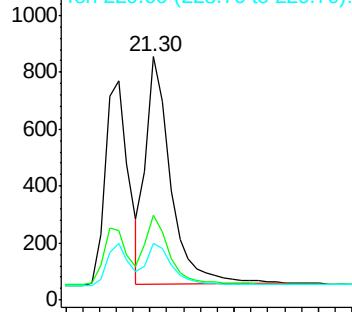
229 23.3 17.7 26.5

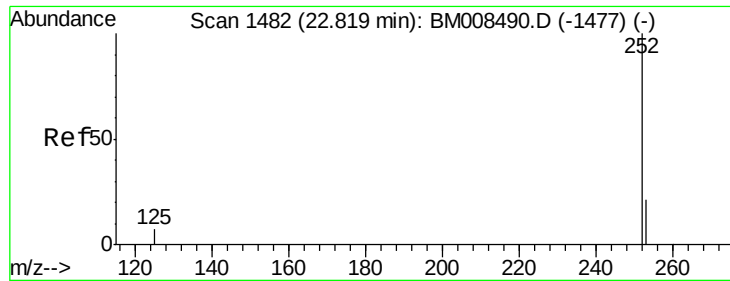


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.39 ng/ul

RT: 22.83 min Scan# 1483

Delta R.T. 0.01 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

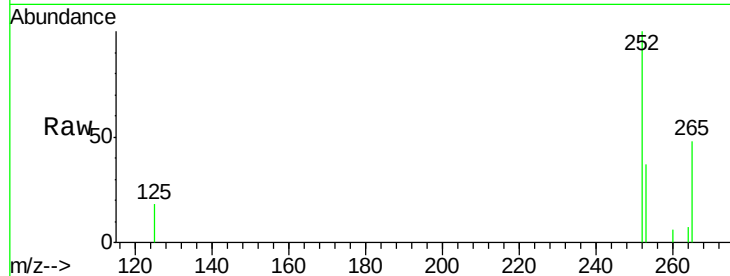
Tgt Ion:252 Resp: 1611

Ion Ratio Lower Upper

252 100

253 37.1 0.0 64.2

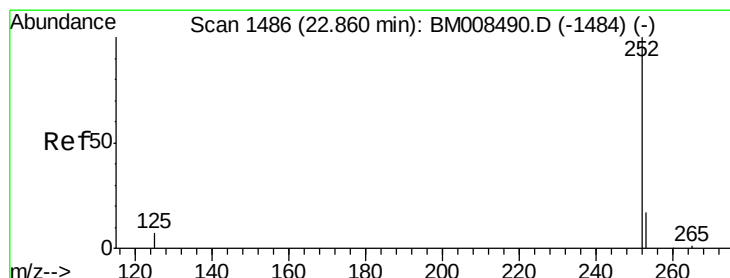
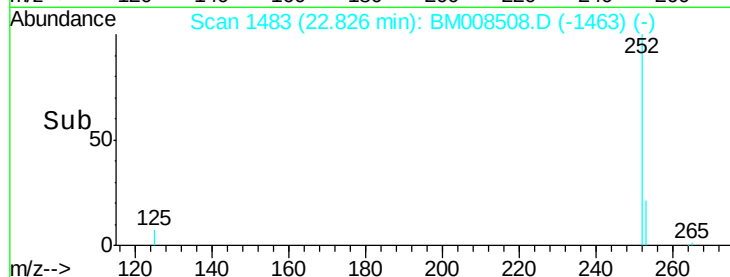
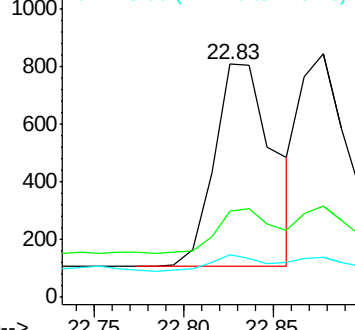
125 18.1 0.0 35.0



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/ul

RT: 22.88 min Scan# 1488

Delta R.T. 0.02 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

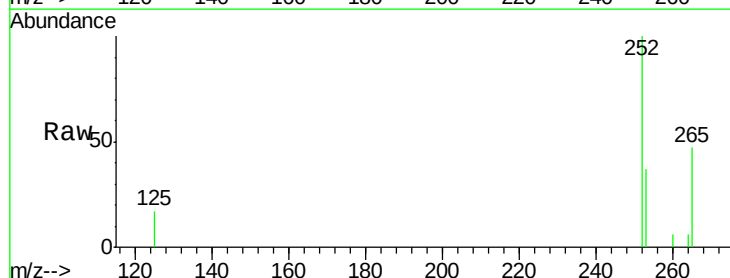
Tgt Ion:252 Resp: 1575

Ion Ratio Lower Upper

252 100

253 37.5 24.5 36.7#

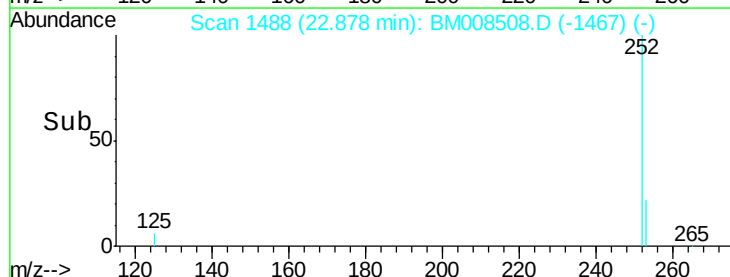
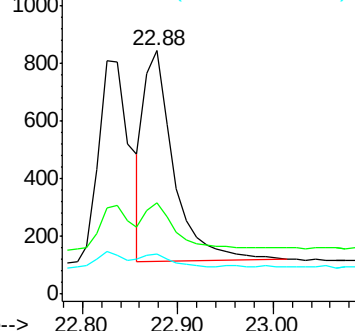
125 16.6 13.7 20.5

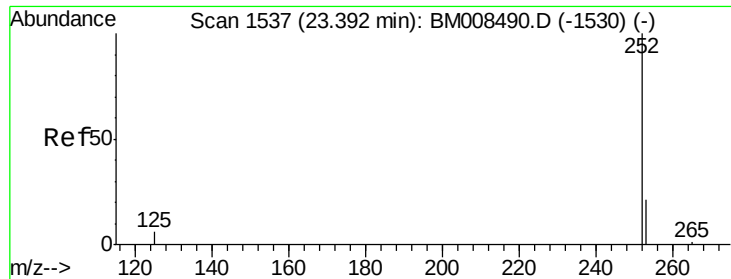


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.40 ng/ul

RT: 23.41 min Scan# 1539

Delta R.T. 0.02 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

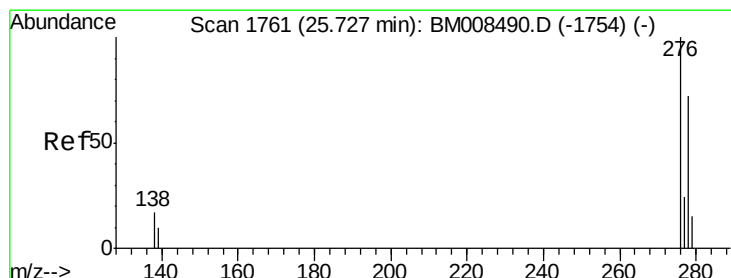
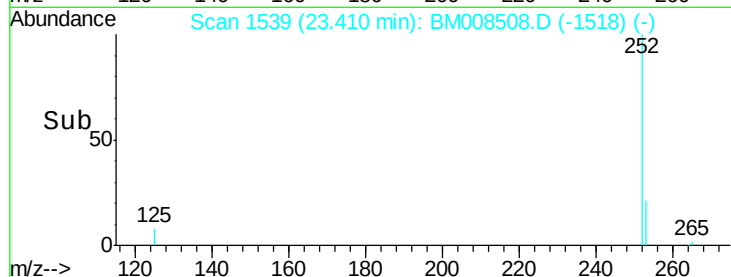
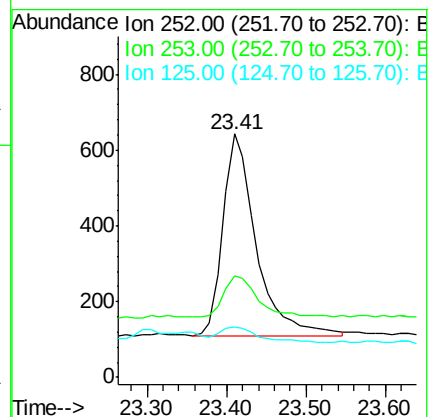
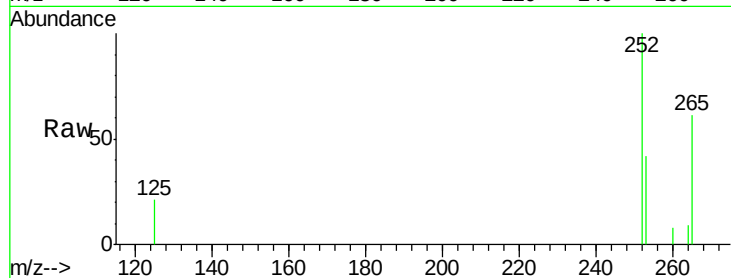
Tgt Ion: 252 Resp: 1540

Ion Ratio Lower Upper

252 100

253 41.8 28.5 42.7

125 20.8 18.1 27.1



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.42 ng/ul

RT: 25.74 min Scan# 1763

Delta R.T. 0.02 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

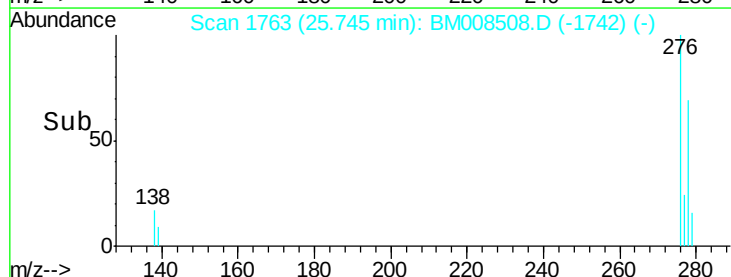
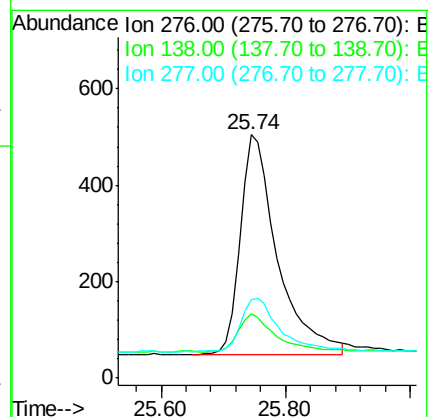
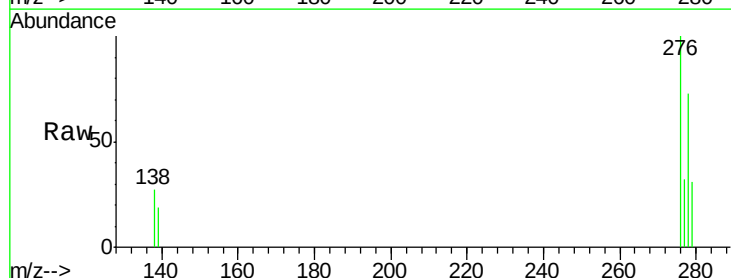
Tgt Ion: 276 Resp: 1912

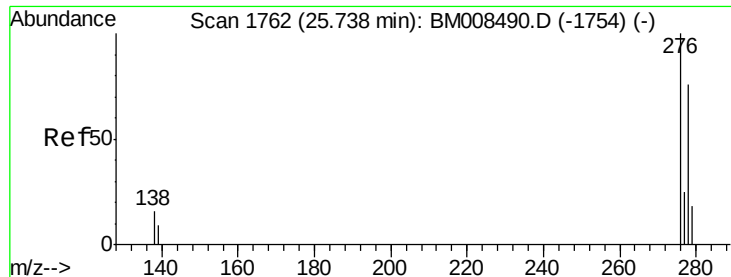
Ion Ratio Lower Upper

276 100

138 16.9 19.1 28.7#

277 25.2 19.6 29.4





#25

Dibenzo(a,h)anthracene

Concen: 0.41 ng/ul

RT: 25.76 min Scan# 1764

Delta R.T. 0.02 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

Instrument :

BNA_M

ClientSampleId :

SSTD0.453

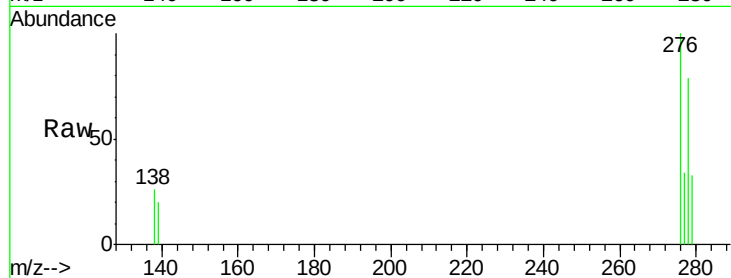
Tgt Ion:278 Resp: 1509

Ion Ratio Lower Upper

278 100

139 26.0 17.4 26.0#

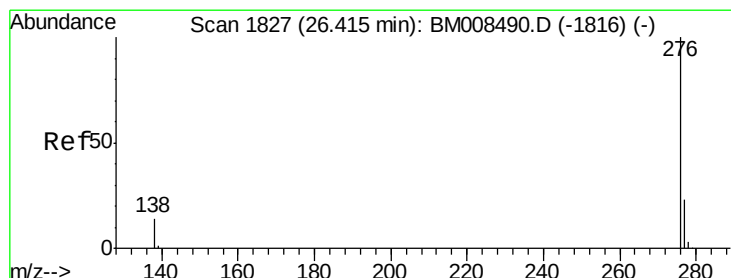
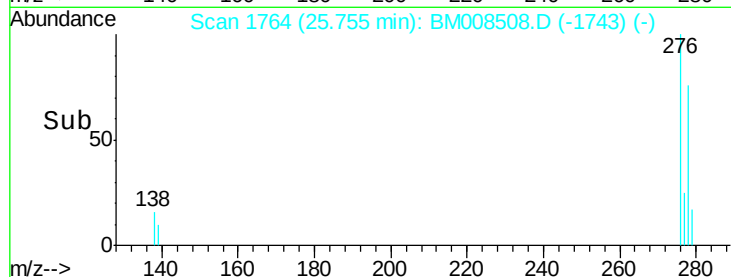
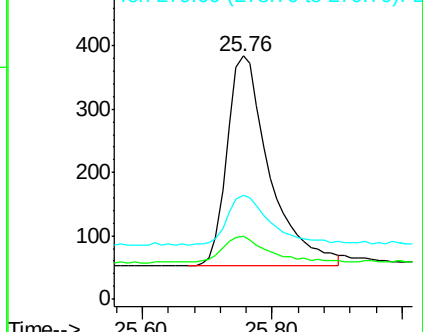
279 42.4 25.9 38.9#



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



#26

Benzo(g,h,i)perylene

Concen: 0.42 ng/ul

RT: 26.43 min Scan# 1829

Delta R.T. 0.02 min

Lab File: BM008508.D

Acq: 21 Dec 2016 09:12

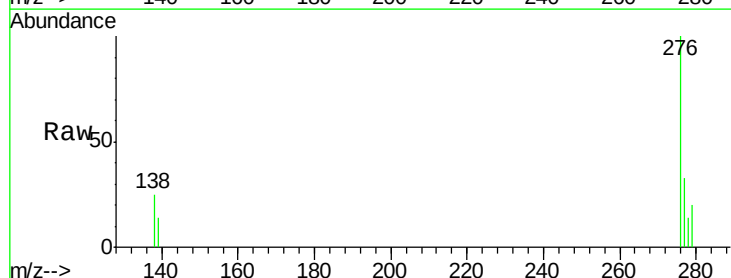
Tgt Ion:276 Resp: 1662

Ion Ratio Lower Upper

276 100

277 32.5 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

