

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112816\
 Data File : BM008095.D
 Acq On : 28 Nov 2016 20:19
 Operator : UM/SJ
 Sample : H5694-13DL 5X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHSS0DL

Quant Time: Nov 29 00:14:02 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM112116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 29 00:11:14 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	603	0.40	ng/ul	-0.02
2) Naphthalene-d8	10.50	136	2089	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.35	164	1230	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.09	188	2316	0.40	ng/ul	-0.02
16) Chrysene-d12	21.29	240	2431	0.40	ng/ul	0.00
20) Perylene-d12	23.53	264	2259	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.10	152	95	0.03	ng/ul	0.01
14) Fluoranthene-d10	19.13	212	256	0.04	ng/ul	-0.01

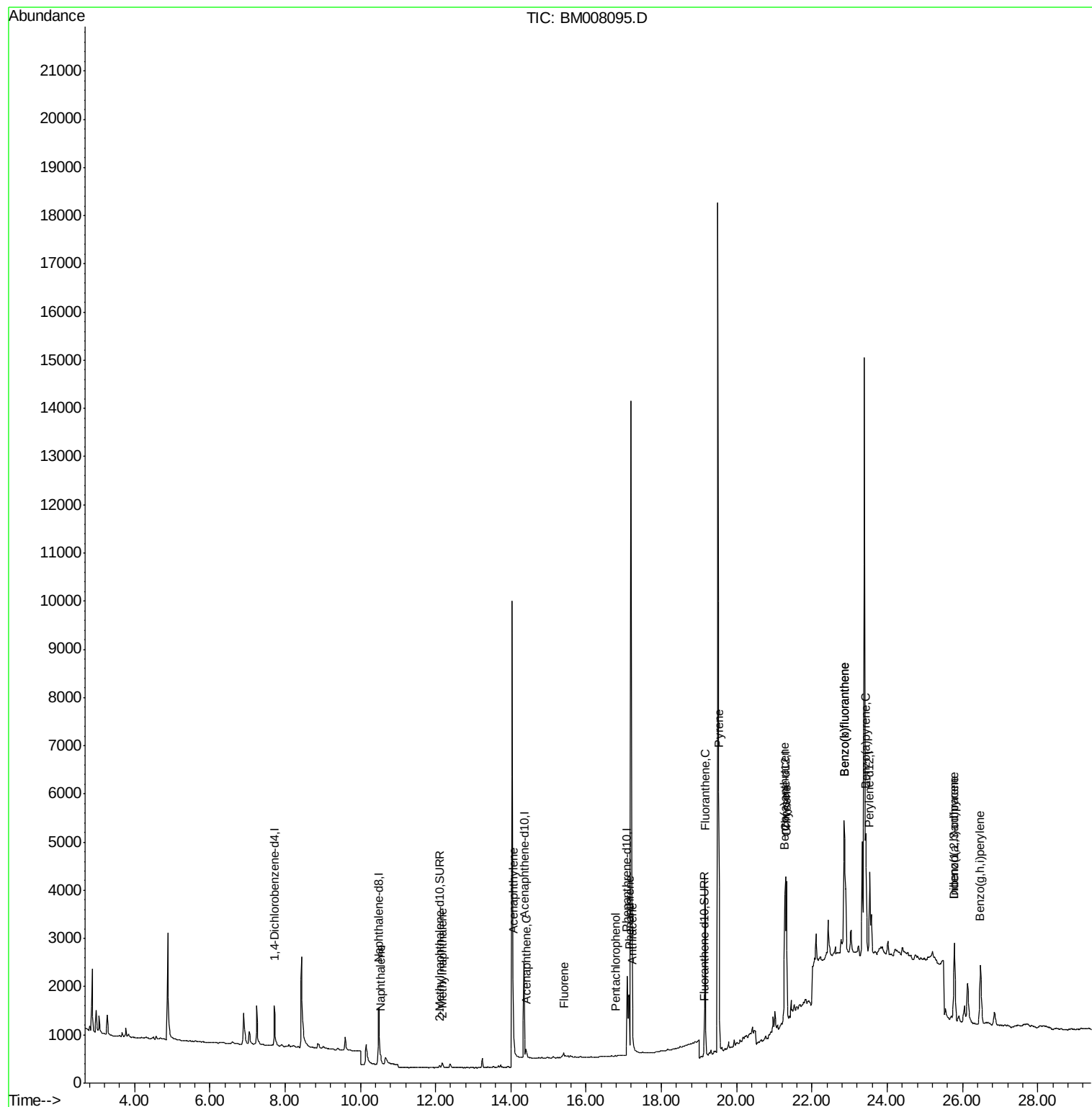
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.55	128	253	0.04	ng/ul#	41
5) 2-Methylnaphthalene	12.17	142	117	0.03	ng/ul	97
7) Acenaphthylene	14.06	152	195	0.04	ng/ul#	39
8) Acenaphthene	14.40	153	132	0.03	ng/ul#	87
9) Fluorene	15.41	166	156	0.03	ng/ul#	78
11) Pentachlorophenol	16.78	266	19	0.02	ng/ul#	23
12) Phenanthrene	17.14	178	1995	0.28	ng/ul#	93
13) Anthracene	17.23	178	597	0.09	ng/ul#	77
15) Fluoranthene	19.16	202	4424	0.48	ng/ul	99
17) Pyrene	19.52	202	4795	0.57	ng/ul	98
18) Benzo(a)anthracene	21.27	228	2623	0.35	ng/ul#	79
19) Chrysene	21.32	228	3115	0.34	ng/ul#	83
21) Benzo(b)fluoranthene	22.86	252	6070	0.67	ng/ul#	75
22) Benzo(k)fluoranthene	22.86	252	6070	0.65	ng/ul#	73
23) Benzo(a)pyrene	23.43	252	3254	0.39	ng/ul#	80
24) Indeno(1,2,3-cd)pyrene	25.79	276	2683	0.26	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.79	278	769	0.09	ng/ul#	1
26) Benzo(g,h,i)perylene	26.47	276	2907	0.31	ng/ul#	83

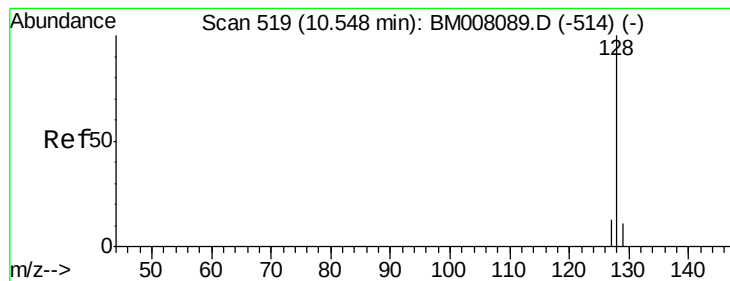
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.04 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

Instrument :

BNA_M

ClientSampleId :

JHSS0DL

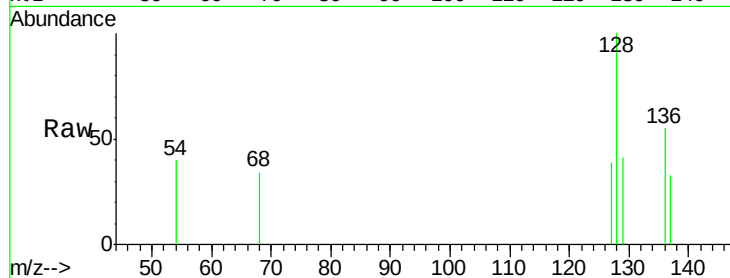
Tgt Ion:128 Resp: 253

Ion Ratio Lower Upper

128 100

129 40.7 11.3 16.9#

127 38.9 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

10.55

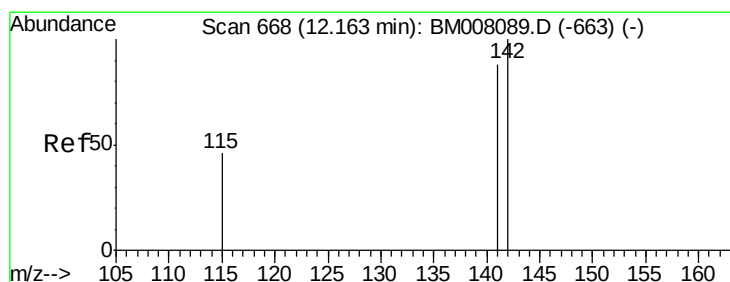
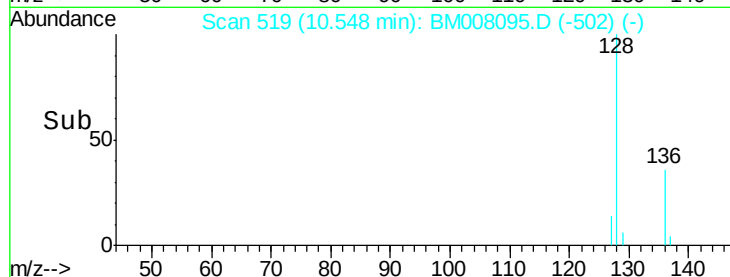
150

100

50

0

Time-->



#5

2-Methylnaphthalene

Concen: 0.03 ng/ul

RT: 12.17 min Scan# 669

Delta R.T. 0.01 min

Lab File: BM008095.D

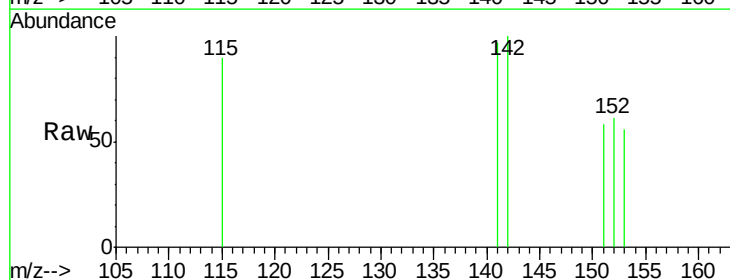
Acq: 28 Nov 2016 20:19

Tgt Ion:142 Resp: 117

Ion Ratio Lower Upper

142 100

141 93.2 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

100

80

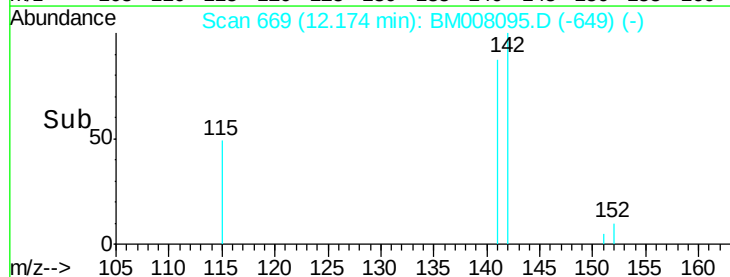
60

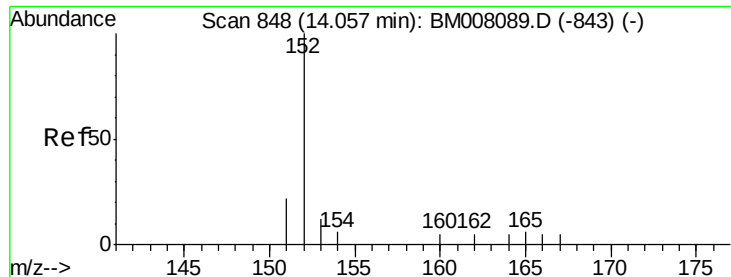
40

20

0

Time-->





#7

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.06 min Scan# 848

Delta R.T. 0.00 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

Instrument :

BNA_M

ClientSampleId :

JHSS0DL

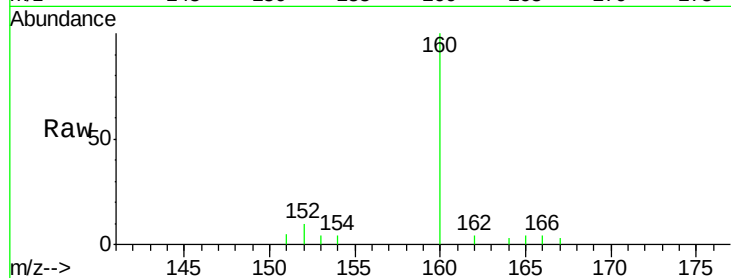
Tgt Ion:152 Resp: 195

Ion Ratio Lower Upper

152 100

151 49.0 17.1 25.7#

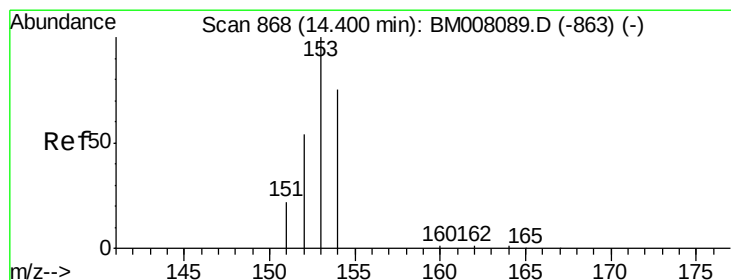
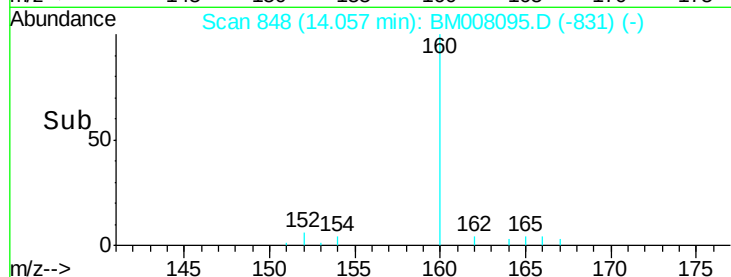
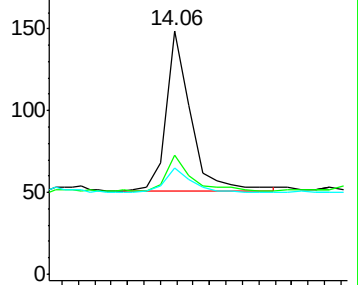
153 43.6 12.8 19.2#



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: 0.03 ng/ul

RT: 14.40 min Scan# 868

Delta R.T. 0.00 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

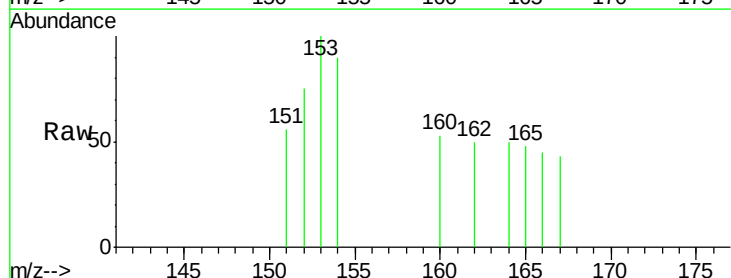
Tgt Ion:153 Resp: 132

Ion Ratio Lower Upper

153 100

152 75.2 40.3 60.5#

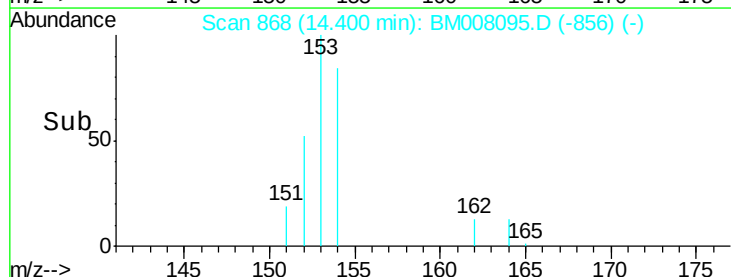
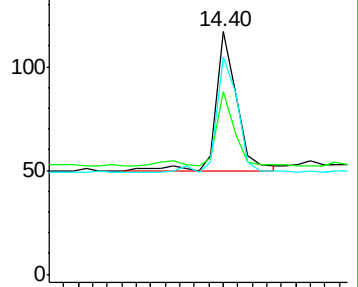
154 89.7 71.4 107.2

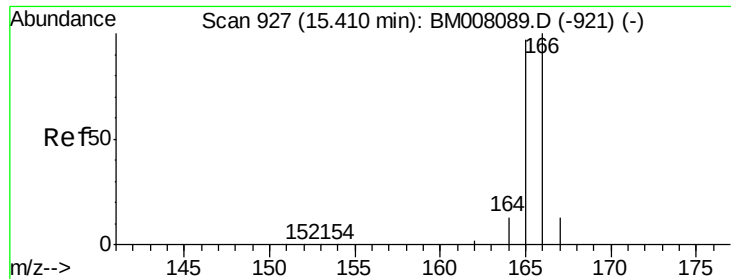


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 0.03 ng/ul

RT: 15.41 min Scan# 927

Delta R.T. 0.00 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

Instrument :

BNA_M

ClientSampleId :

JHSS0DL

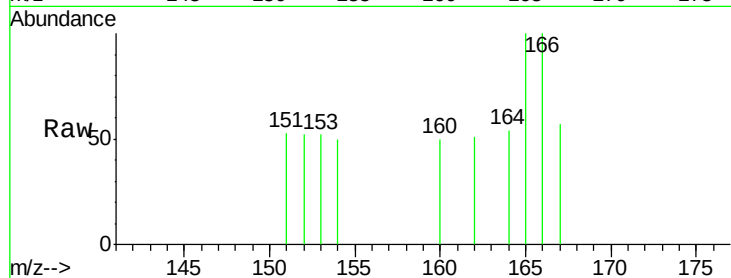
Tgt Ion:166 Resp: 156

Ion Ratio Lower Upper

166 100

165 100.0 73.4 110.2

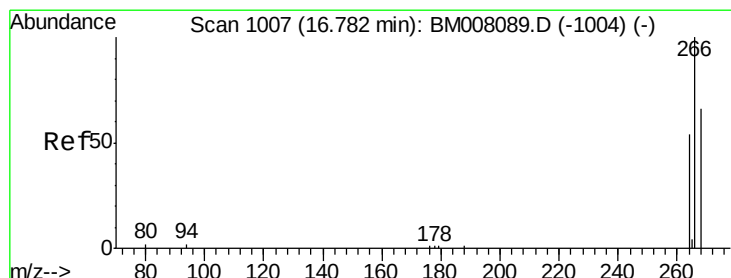
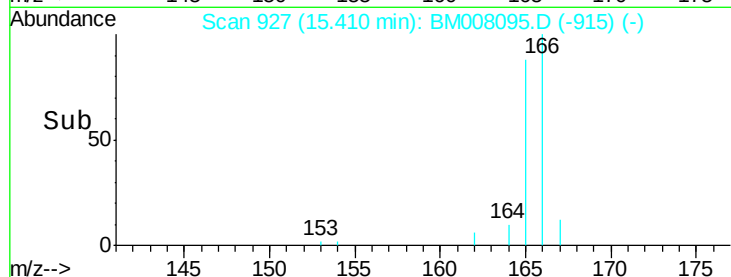
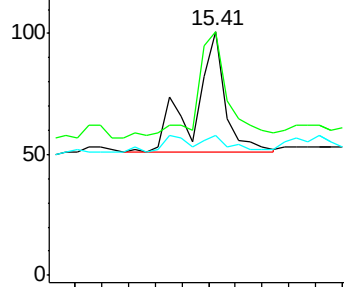
167 57.4 14.6 22.0#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#11

Pentachlorophenol

Concen: 0.02 ng/ul

RT: 16.78 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

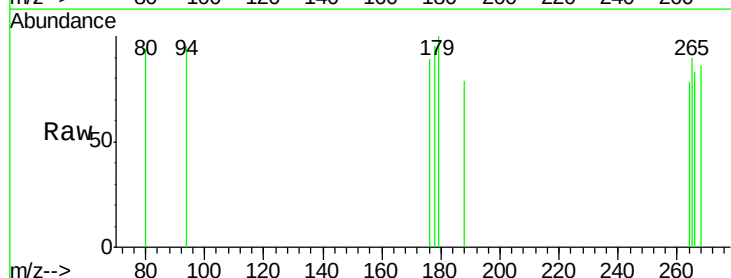
Tgt Ion:266 Resp: 19

Ion Ratio Lower Upper

266 100

264 5.3 47.9 71.9#

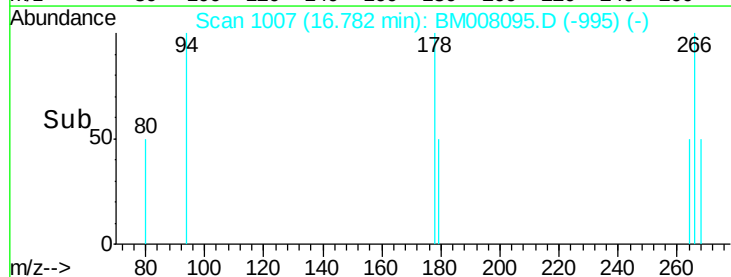
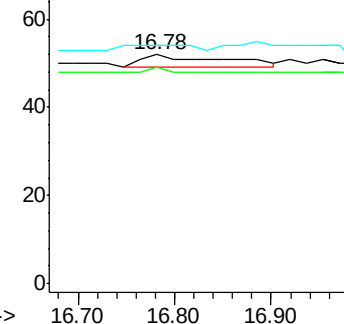
268 0.0 49.8 74.8#

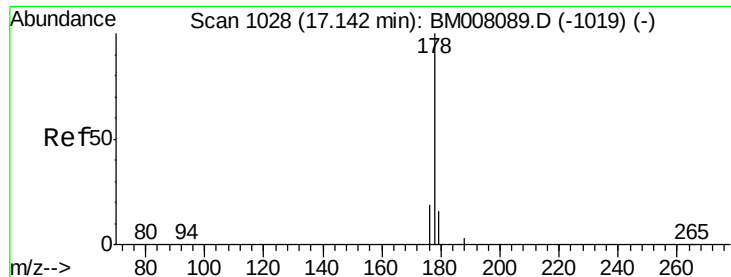


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#12

Phenanthrene

Concen: 0.28 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

Instrument :

BNA_M

ClientSampleId :

JHSS0DL

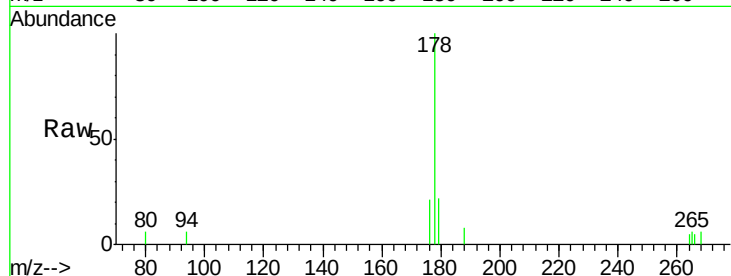
Tgt Ion:178 Resp: 1995

Ion Ratio Lower Upper

178 100

176 21.4 18.4 27.6

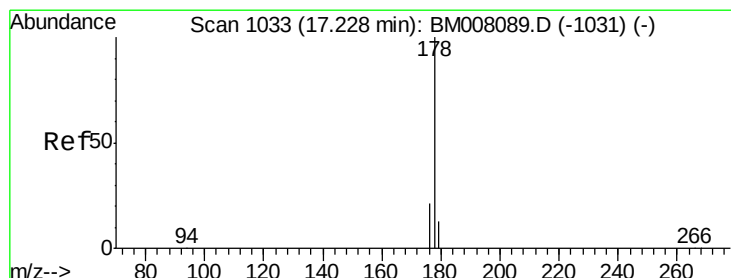
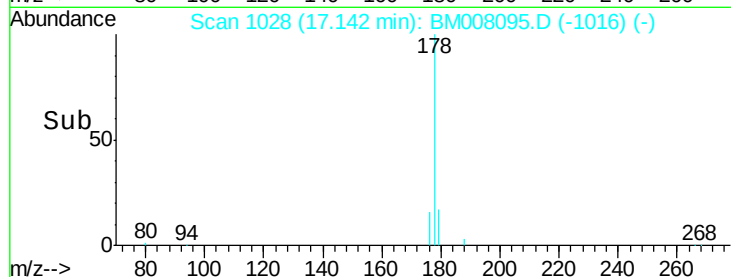
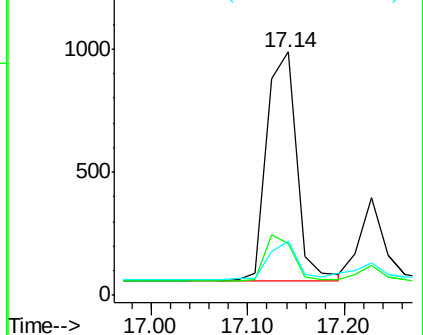
179 22.2 13.6 20.4#



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



#13

Anthracene

Concen: 0.09 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

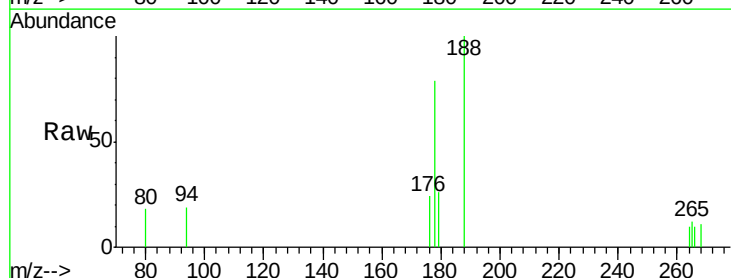
Tgt Ion:178 Resp: 597

Ion Ratio Lower Upper

178 100

176 30.1 18.1 27.1#

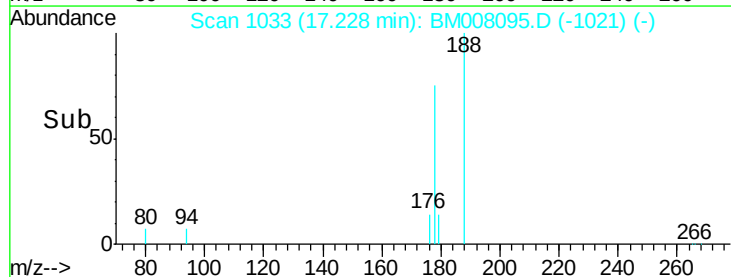
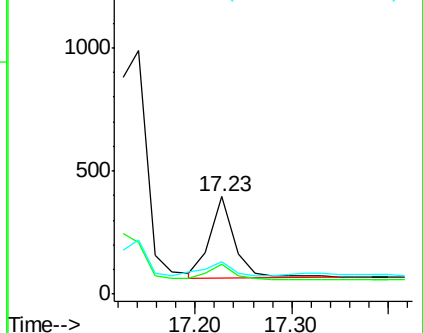
179 32.9 14.7 22.1#

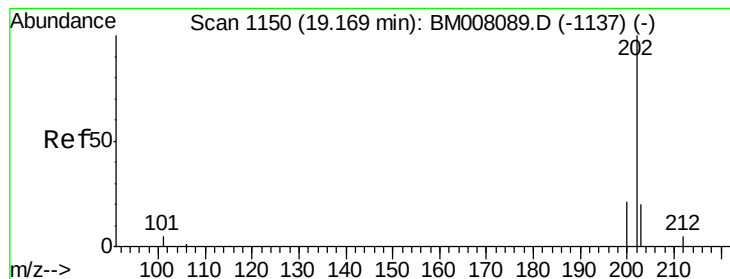


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.48 ng/ul

RT: 19.16 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

Instrument :

BNA_M

ClientSampleId :

JHSS0DL

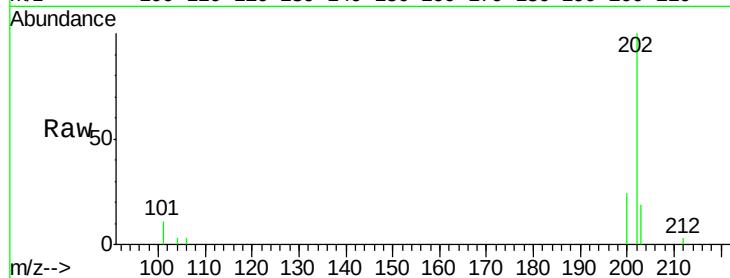
Tgt Ion:202 Resp: 4424

Ion Ratio Lower Upper

202 100

101 11.3 0.0 30.3

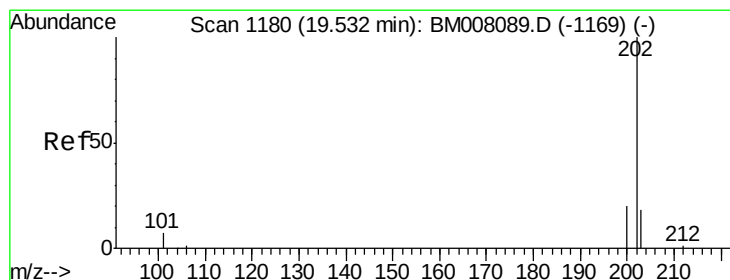
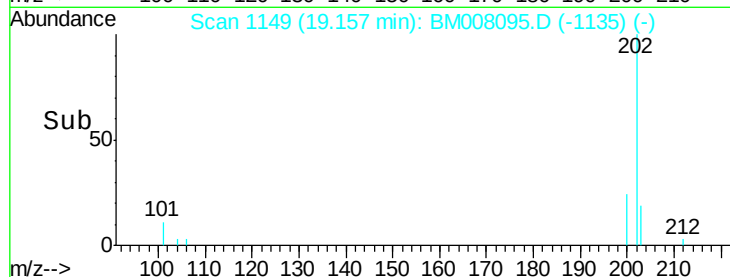
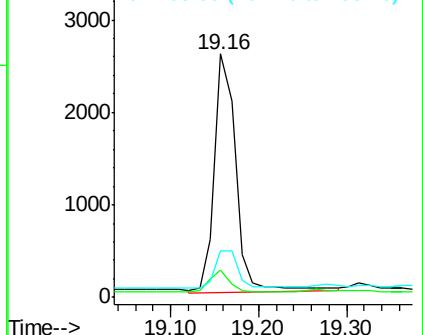
203 19.3 0.0 39.5



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: 0.57 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.01 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

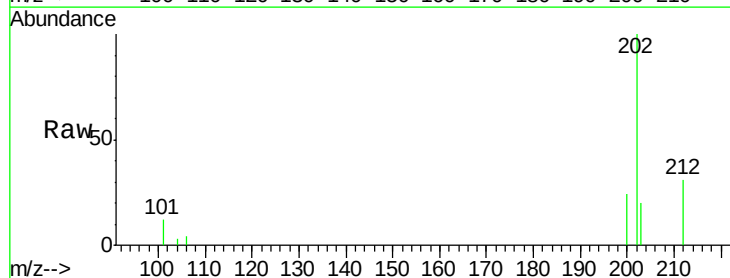
Tgt Ion:202 Resp: 4795

Ion Ratio Lower Upper

202 100

200 24.0 18.2 27.4

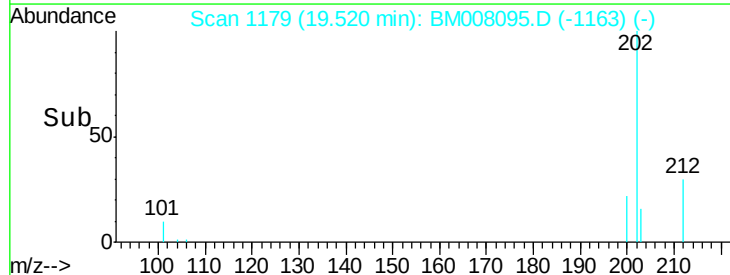
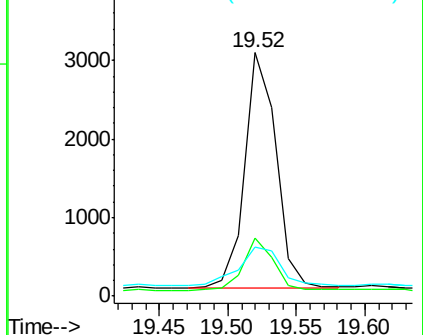
203 19.9 15.6 23.4

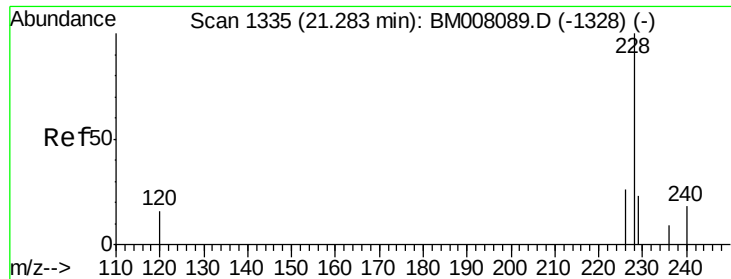


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.35 ng/ul

RT: 21.27 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

Instrument :

BNA_M

ClientSampleId :

JHSS0DL

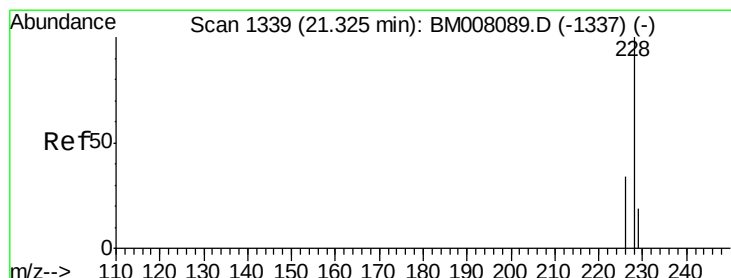
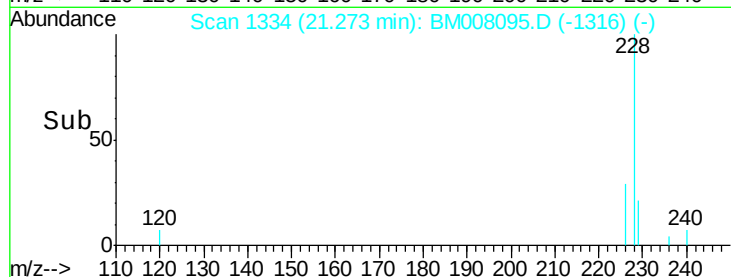
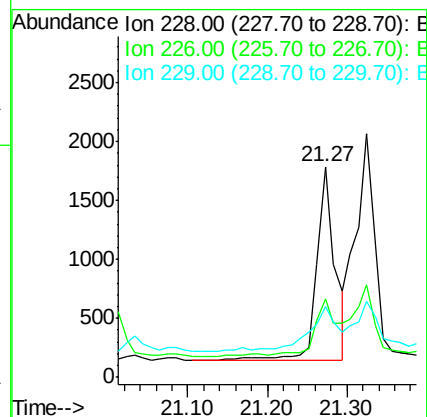
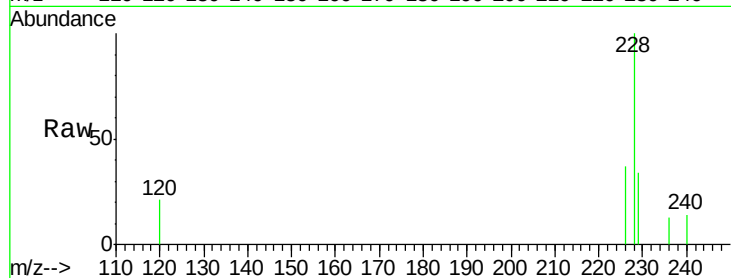
Tgt Ion:228 Resp: 2623

Ion Ratio Lower Upper

228 100

226 37.1 22.8 34.2#

229 33.7 17.0 25.6#



#19

Chrysene

Concen: 0.34 ng/ul

RT: 21.32 min Scan# 1339

Delta R.T. 0.00 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

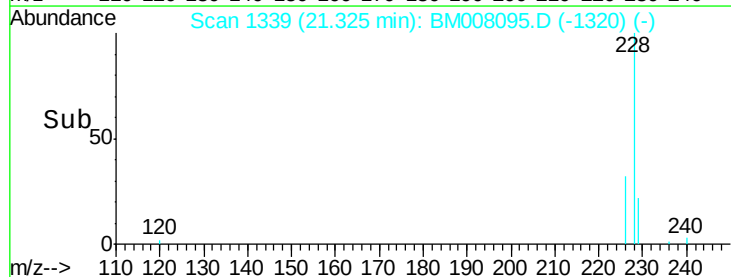
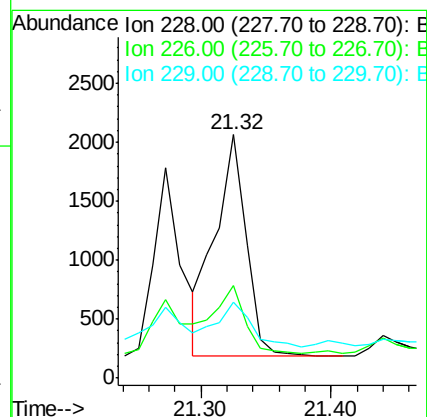
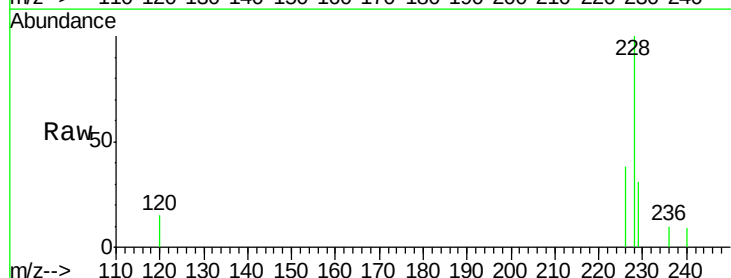
Tgt Ion:228 Resp: 3115

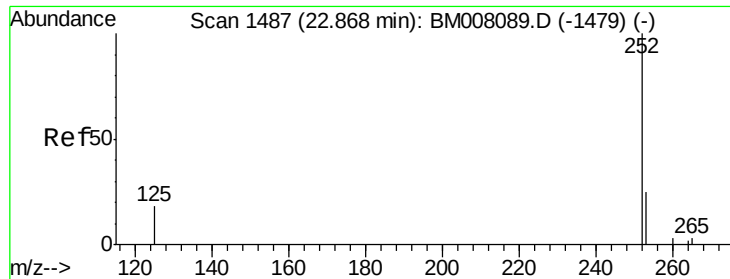
Ion Ratio Lower Upper

228 100

226 37.9 23.4 35.0#

229 31.2 17.7 26.5#





#21

Benzo(b)fluoranthene

Concen: 0.67 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

Instrument :

BNA_M

ClientSampleId :

JHSS0DL

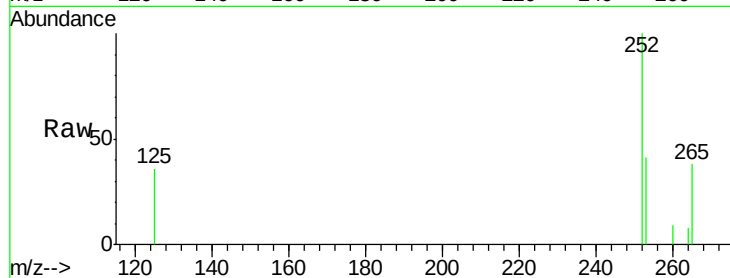
Tgt Ion:252 Resp: 6070

Ion Ratio Lower Upper

252 100

253 40.5 0.0 64.2

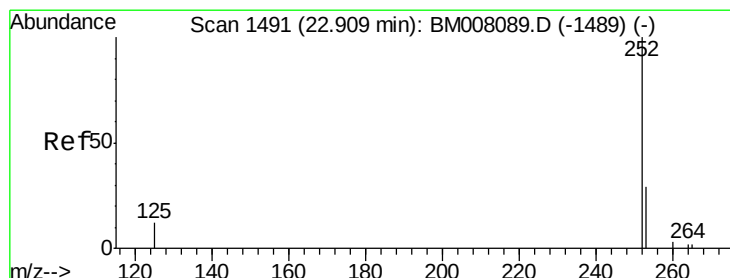
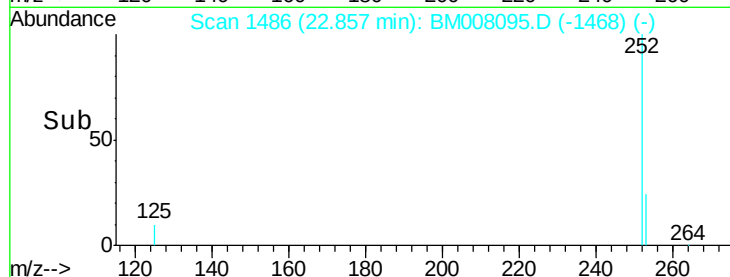
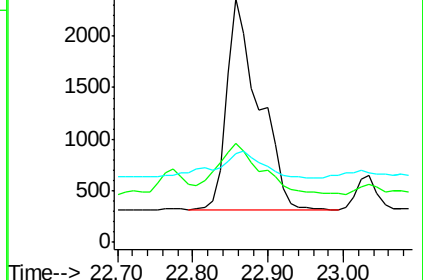
125 36.2 0.0 35.0#



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: 0.65 ng/ul

RT: 22.86 min Scan# 1486

Delta R.T. -0.05 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

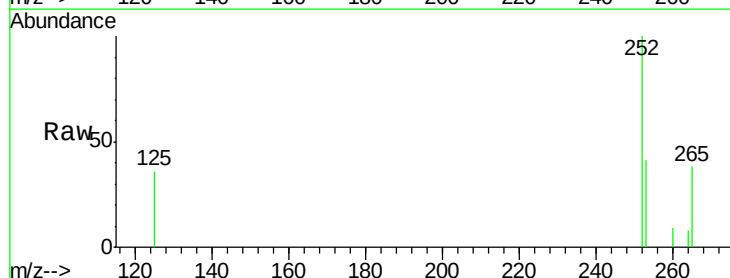
Tgt Ion:252 Resp: 6070

Ion Ratio Lower Upper

252 100

253 40.5 24.5 36.7#

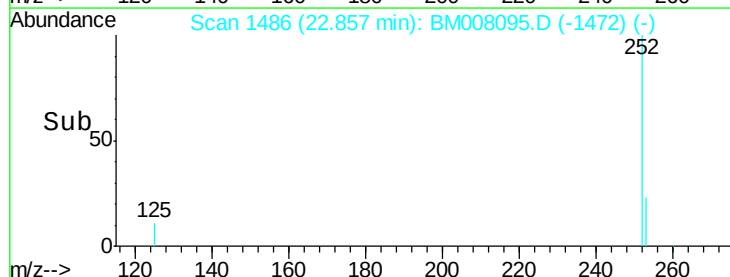
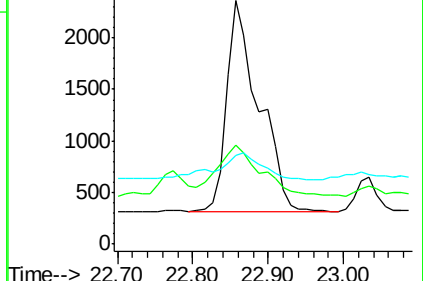
125 36.2 13.7 20.5#

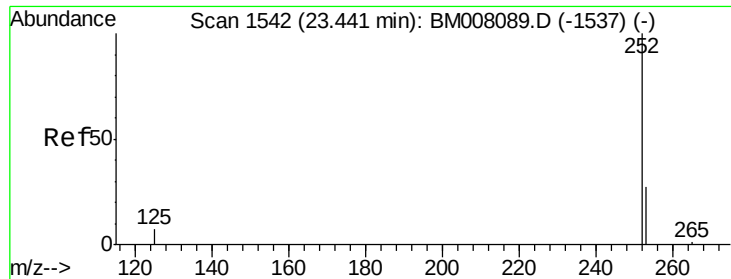


Abundance Ion 252.00 (251.70 to 252.70): E

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: 23.43 min Scan# 1541

Delta R.T. -0.01 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

Instrument :

BNA_M

ClientSampleId :

JHSS0DL

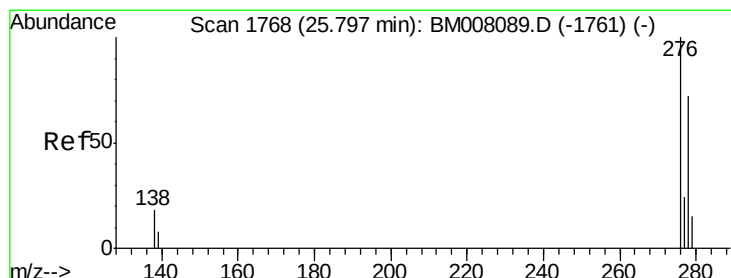
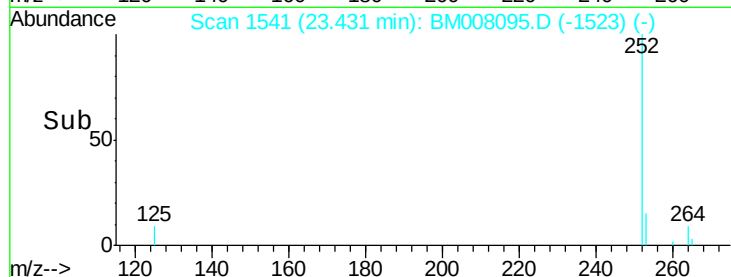
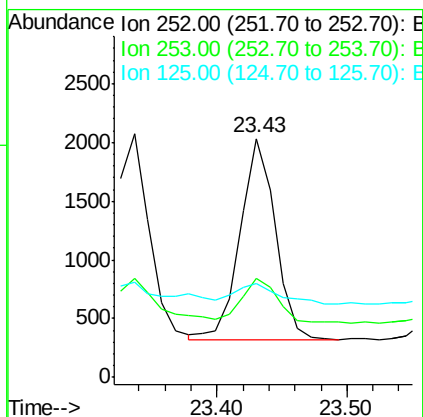
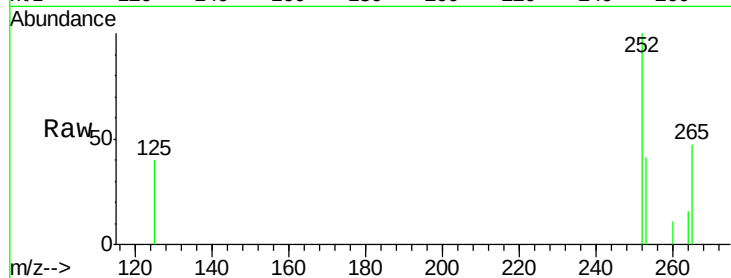
Tgt Ion:252 Resp: 3254

Ion Ratio Lower Upper

252 100

253 41.2 28.5 42.7

125 39.5 18.1 27.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.26 ng/ul

RT: 25.79 min Scan# 1767

Delta R.T. -0.01 min

Lab File: BM008095.D

Acq: 28 Nov 2016 20:19

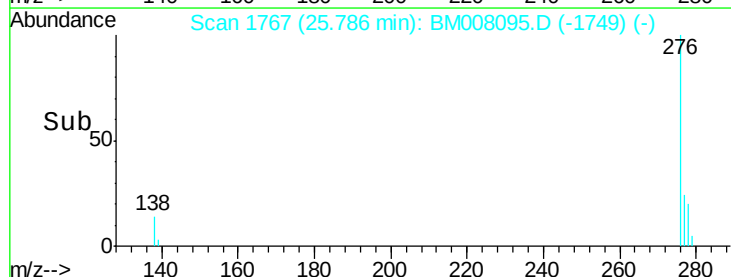
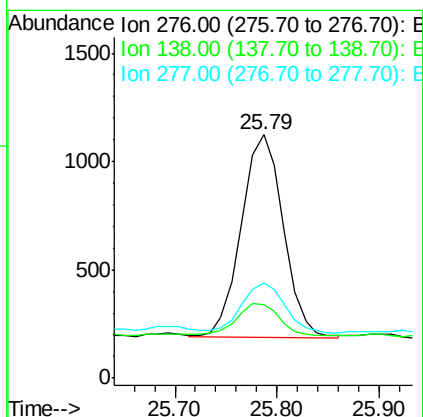
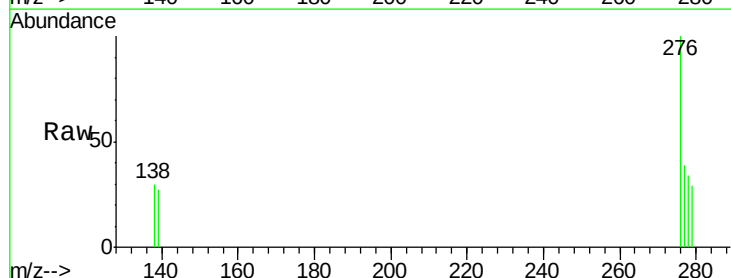
Tgt Ion:276 Resp: 2683

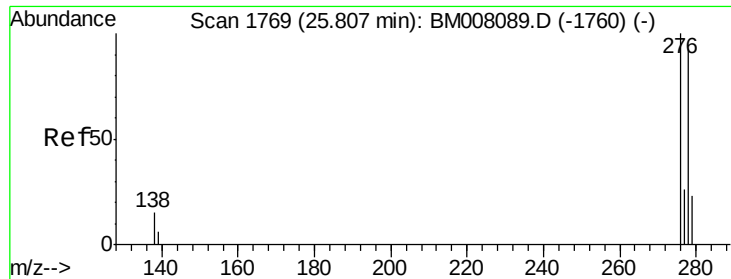
Ion Ratio Lower Upper

276 100

138 17.1 19.1 28.7#

277 25.7 19.6 29.4



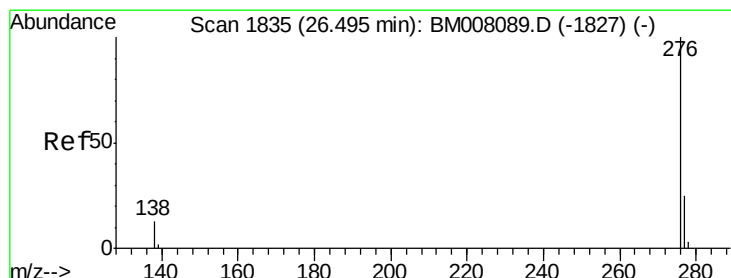
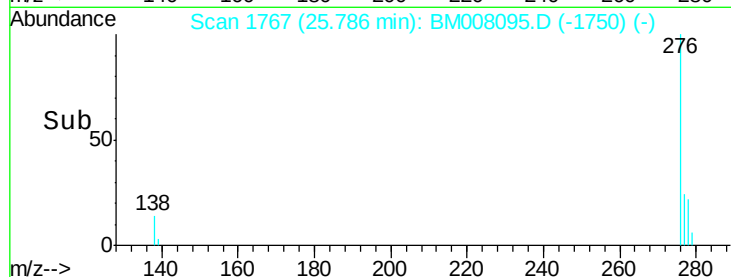
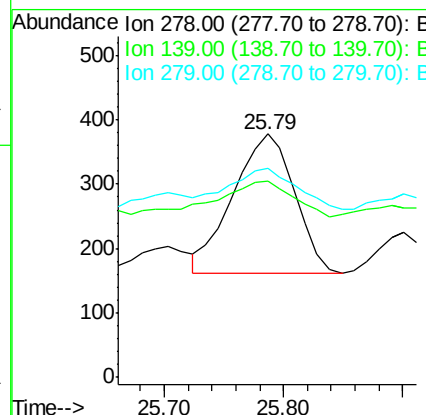
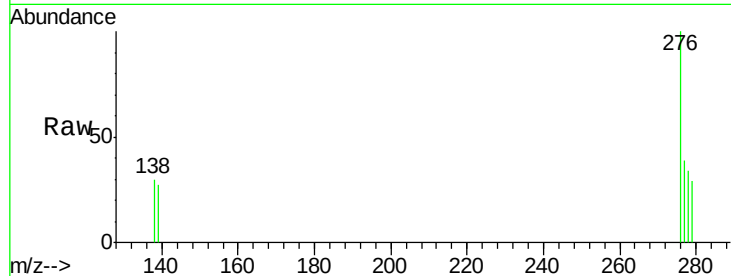


#25
Dibenzo(a,h)anthracene
Concen: 0.09 ng/ul
RT: 25.79 min Scan# 1767
Delta R.T. -0.02 min
Lab File: BM008095.D
Acq: 28 Nov 2016 20:19

Instrument :
BNA_M
ClientSampleId :
JHSS0DL

Tgt Ion: 278 Resp: 769

Ion	Ratio	Lower	Upper
278	100		
139	80.7	17.4	26.0#
279	85.7	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.31 ng/ul
RT: 26.47 min Scan# 1833
Delta R.T. -0.02 min
Lab File: BM008095.D
Acq: 28 Nov 2016 20:19

Tgt Ion: 276 Resp: 2907

Ion	Ratio	Lower	Upper
276	100		
277	39.2	21.8	32.8#
138	30.7	20.5	30.7

