

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007312.D
 Acq On : 27 Aug 2016 02:53
 Operator : UM/SJ
 Sample : MDL-07-W
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 27 03:44:50 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM081516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 26 23:46:46 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.81	152	1793	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	6722	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.43	164	4029	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	11382	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	12472	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	12948	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	3460	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	11496	0.45	ng/ul	0.00

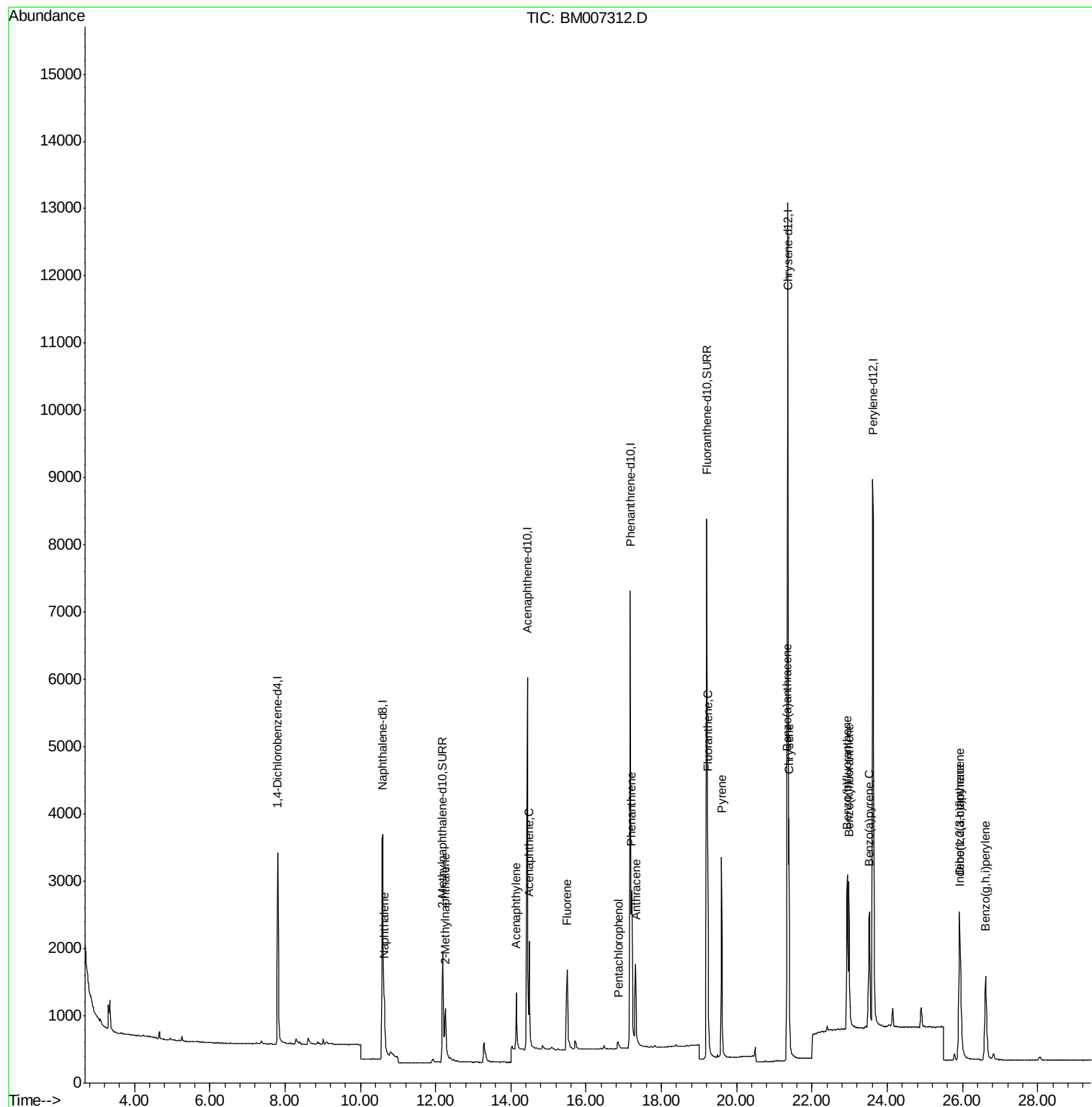
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	1233	0.07	ng/ul#	78
5) 2-Methylnaphthalene	12.26	142	834	0.07	ng/ul	99
7) Acenaphthylene	14.14	152	1299	0.06	ng/ul#	89
8) Acenaphthene	14.49	153	1008	0.07	ng/ul#	82
9) Fluorene	15.50	166	1208	0.08	ng/ul#	93
11) Pentachlorophenol	16.85	266	142	0.05	ng/ul	94
12) Phenanthrene	17.21	178	2455	0.08	ng/ul#	93
13) Anthracene	17.31	178	1930	0.06	ng/ul#	89
15) Fluoranthene	19.23	202	3176	0.08	ng/ul	93
17) Pyrene	19.59	202	3217	0.08	ng/ul	96
18) Benzo(a)anthracene	21.34	228	2775	0.07	ng/ul#	93
19) Chrysene	21.39	228	3111	0.08	ng/ul	94
21) Benzo(b)fluoranthene	22.94	252	3473	0.07	ng/ul	92
22) Benzo(k)fluoranthene	22.98	252	3093	0.08	ng/ul#	93
23) Benzo(a)pyrene	23.52	252	3248	0.08	ng/ul#	89
24) Indeno(1,2,3-cd)pyrene	25.91	276	3514	0.07	ng/ul#	92
25) Dibenzo(a,h)anthracene	25.93	278	2671	0.07	ng/ul#	90
26) Benzo(g,h,i)perylene	26.61	276	3146	0.07	ng/ul	96

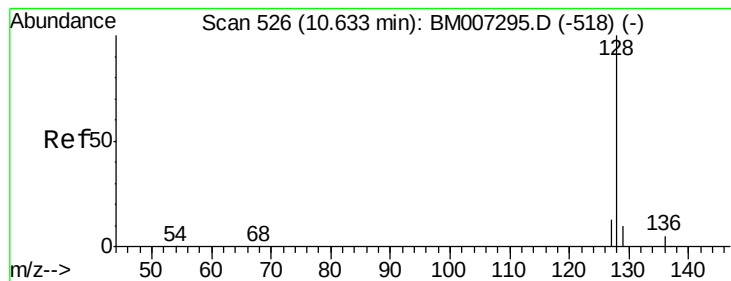
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.07 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. 0.01 min

Lab File: BM007312.D

Acq: 27 Aug 2016 02:53

Instrument :

BNA_M

ClientSampleId :

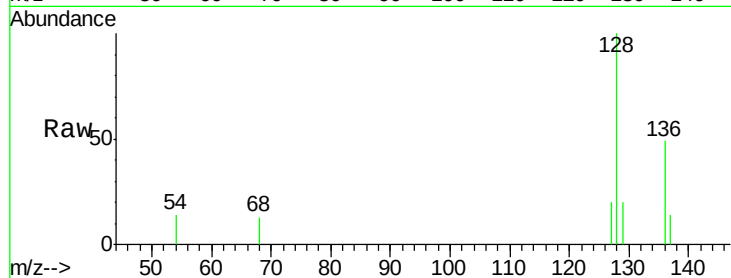
Tgt Ion:128 Resp: 1233

Ion Ratio Lower Upper

128 100

129 19.8 9.0 13.6#

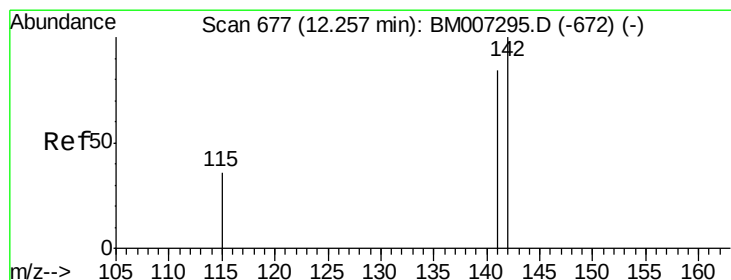
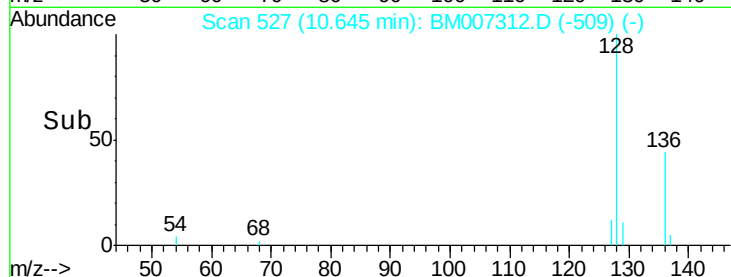
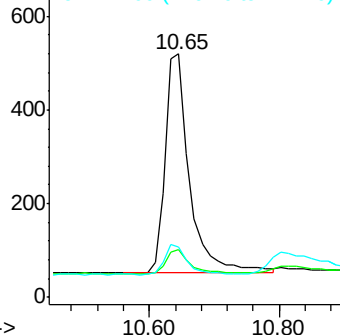
127 20.4 9.6 14.4#



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: 0.07 ng/ul

RT: 12.26 min Scan# 677

Delta R.T. -0.00 min

Lab File: BM007312.D

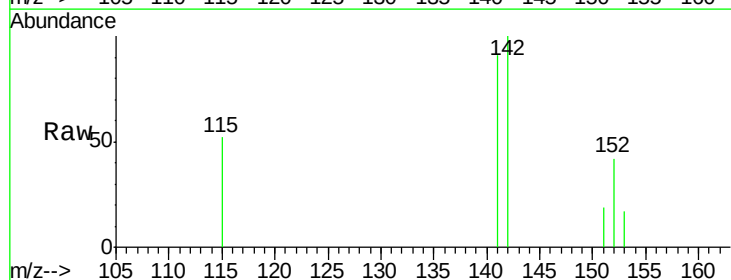
Acq: 27 Aug 2016 02:53

Tgt Ion:142 Resp: 834

Ion Ratio Lower Upper

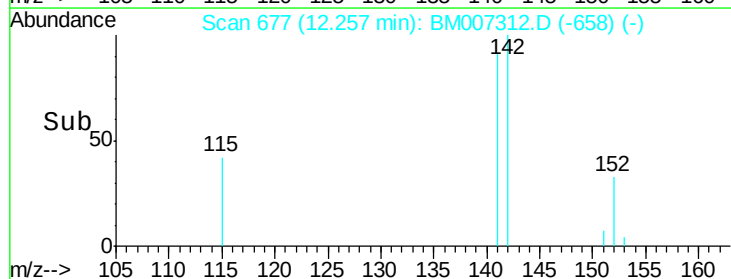
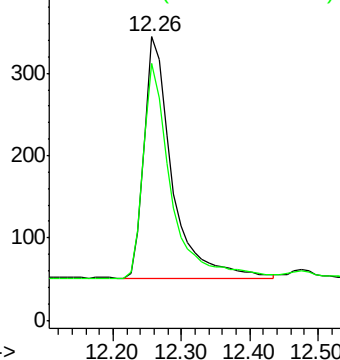
142 100

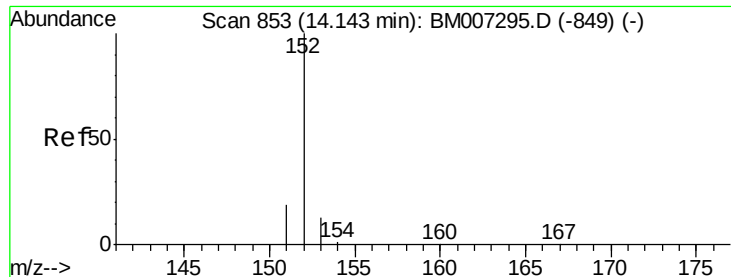
141 89.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007312.D

Acq: 27 Aug 2016 02:53

Instrument :

BNA_M

ClientSampleId :

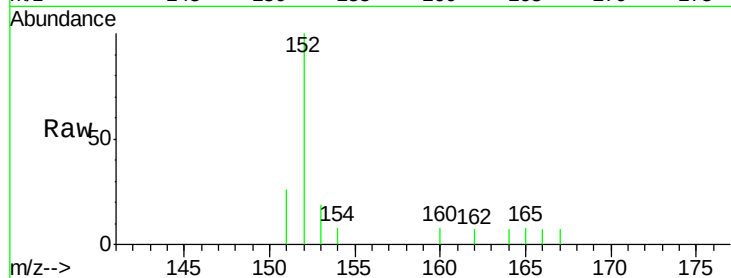
Tgt Ion:152 Resp: 1299

Ion Ratio Lower Upper

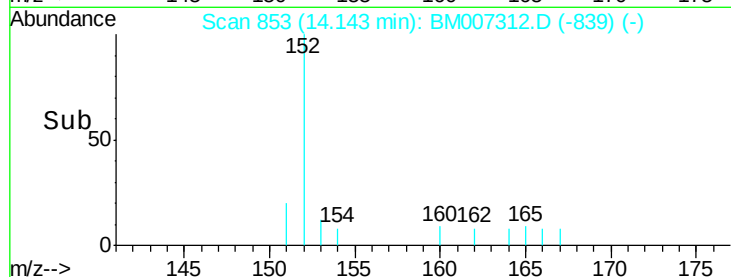
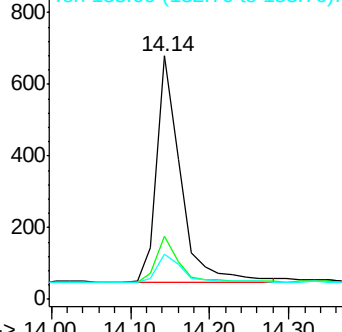
152 100

151 25.9 17.6 26.4

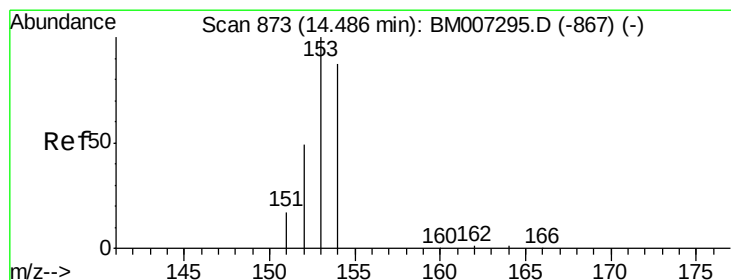
153 18.7 9.7 14.5#



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



Time--> 14.00 14.10 14.20 14.30



#8

Acenaphthene

Concen: 0.07 ng/ul

RT: 14.49 min Scan# 873

Delta R.T. -0.00 min

Lab File: BM007312.D

Acq: 27 Aug 2016 02:53

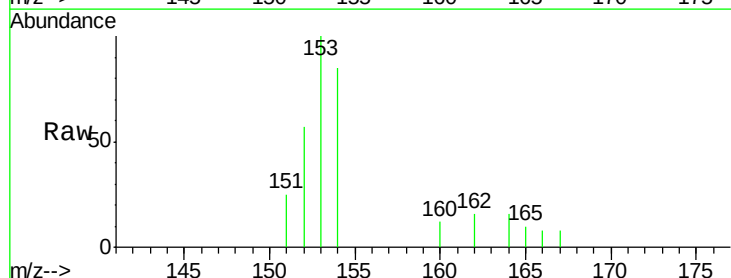
Tgt Ion:153 Resp: 1008

Ion Ratio Lower Upper

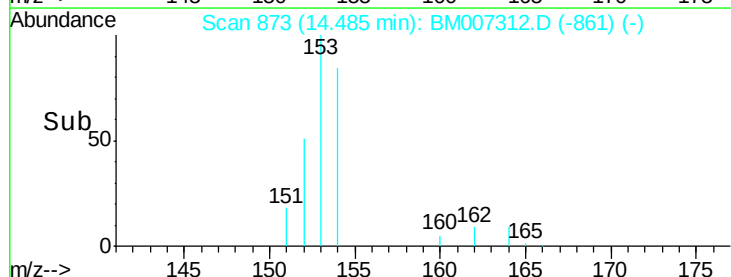
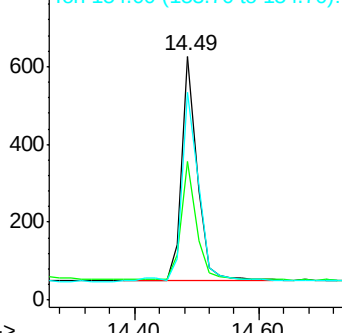
153 100

152 56.7 33.9 50.9#

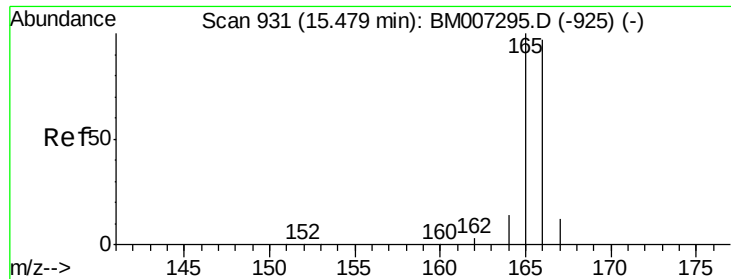
154 85.3 80.6 121.0



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



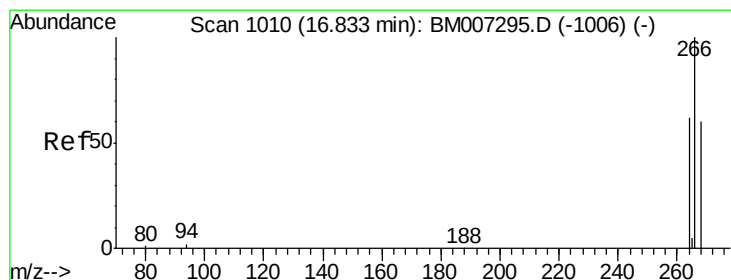
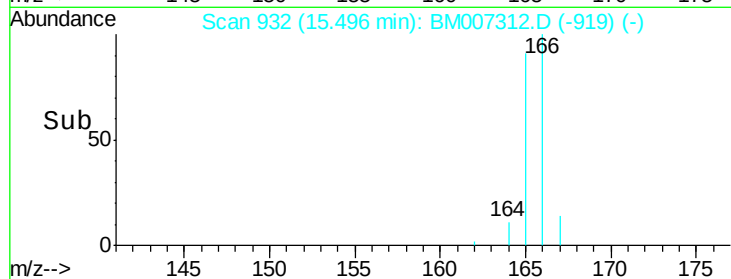
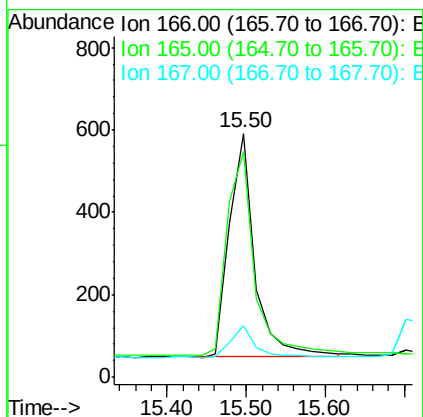
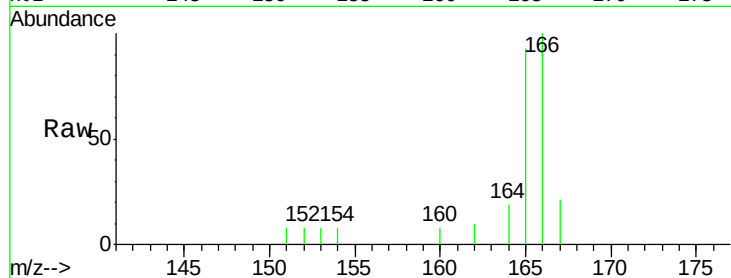
Time--> 14.40 14.60



#9
Fluorene
 Concen: 0.08 ng/ul
 RT: 15.50 min Scan# 932
 Delta R.T. 0.02 min
 Lab File: BM007312.D
 Acq: 27 Aug 2016 02:53

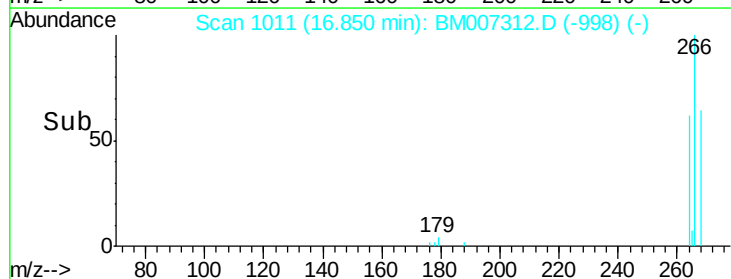
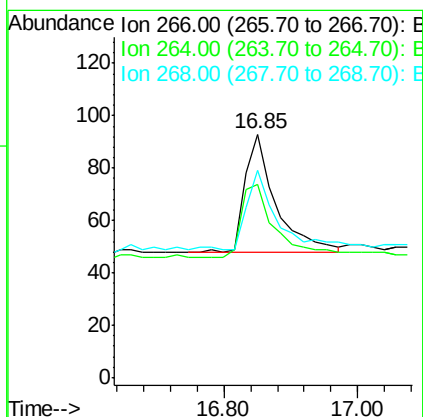
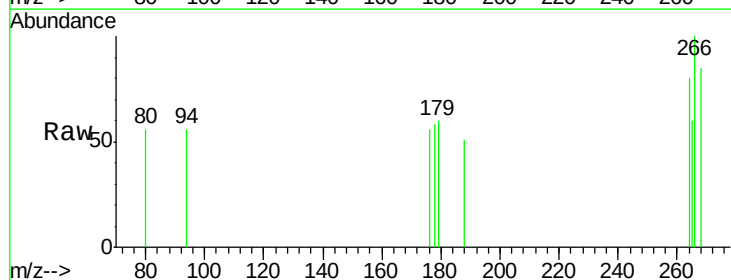
Instrument :
 BNA_M
 ClientSampleId :

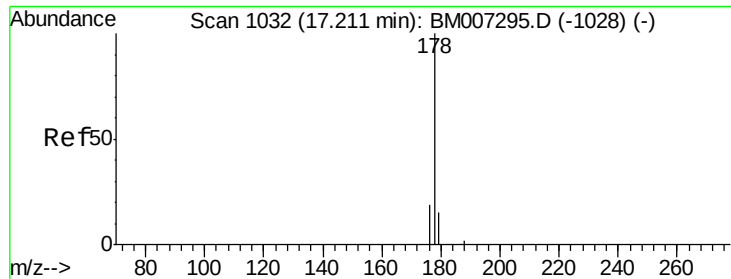
Tgt Ion:166 Resp: 1208
 Ion Ratio Lower Upper
 166 100
 165 92.7 69.6 104.4
 167 21.2 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.05 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. 0.02 min
 Lab File: BM007312.D
 Acq: 27 Aug 2016 02:53

Tgt Ion:266 Resp: 142
 Ion Ratio Lower Upper
 266 100
 264 69.7 51.8 77.8
 268 63.4 46.8 70.2





#12

Phenanthrene

Concen: 0.08 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007312.D

Acq: 27 Aug 2016 02:53

Instrument :

BNA_M

ClientSampleId :

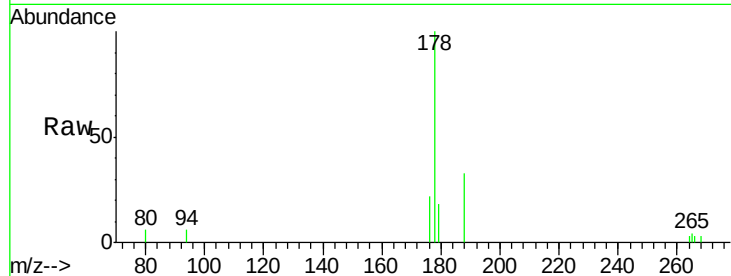
Tgt Ion:178 Resp: 2455

Ion Ratio Lower Upper

178 100

176 22.0 13.0 19.4#

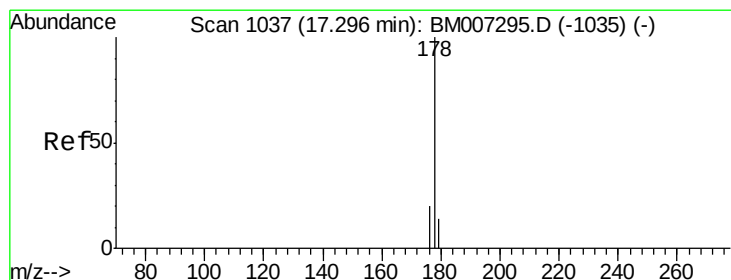
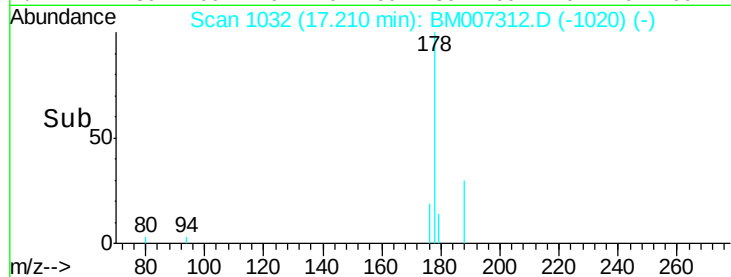
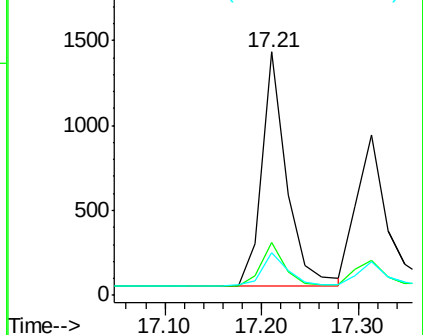
179 17.8 14.2 21.2



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: 0.06 ng/ul

RT: 17.31 min Scan# 1038

Delta R.T. 0.02 min

Lab File: BM007312.D

Acq: 27 Aug 2016 02:53

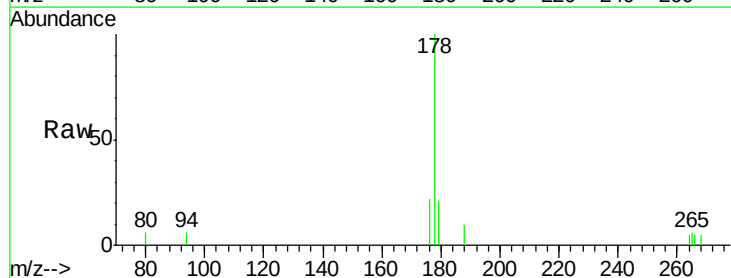
Tgt Ion:178 Resp: 1930

Ion Ratio Lower Upper

178 100

176 22.1 14.0 21.0#

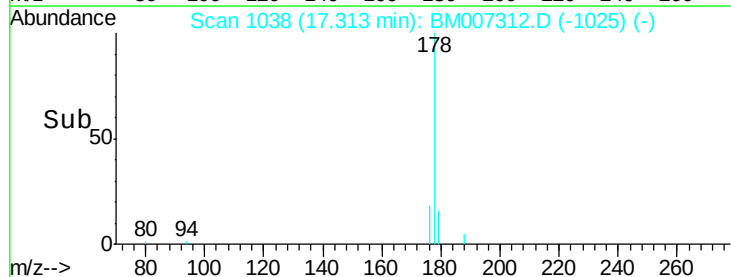
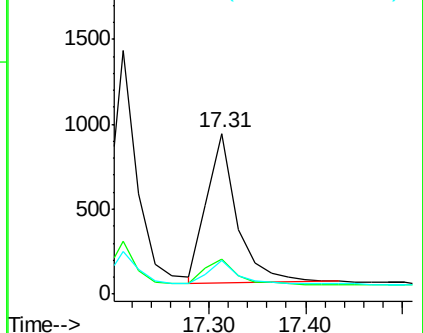
179 20.9 12.9 19.3#

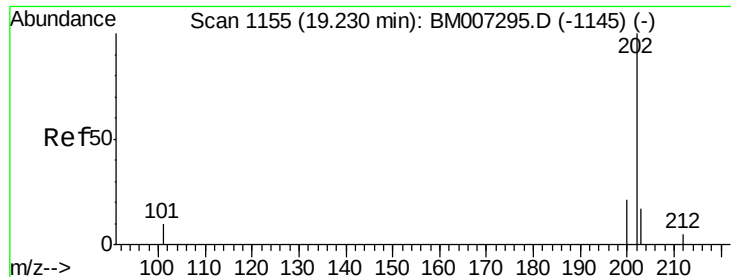


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.08 ng/ul

RT: 19.23 min Scan# 1155

Delta R.T. -0.00 min

Lab File: BM007312.D

Acq: 27 Aug 2016 02:53

Instrument :

BNA_M

ClientSampleId :

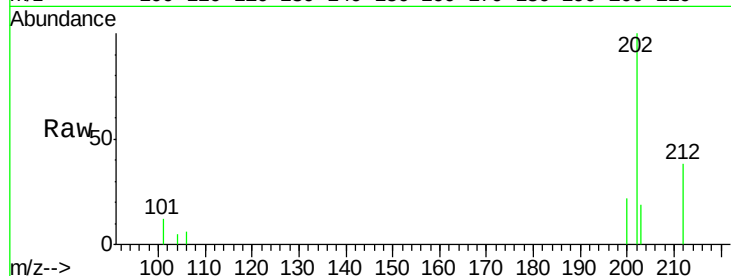
Tgt Ion:202 Resp: 3176

Ion Ratio Lower Upper

202 100

101 12.3 0.0 29.6

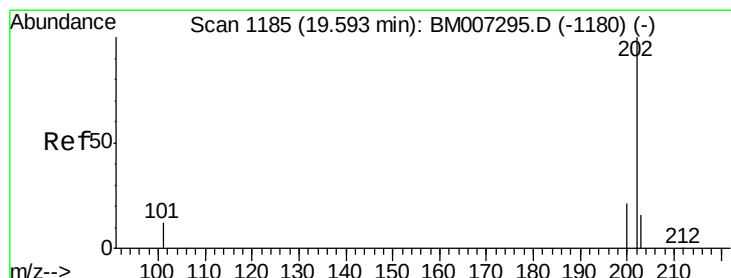
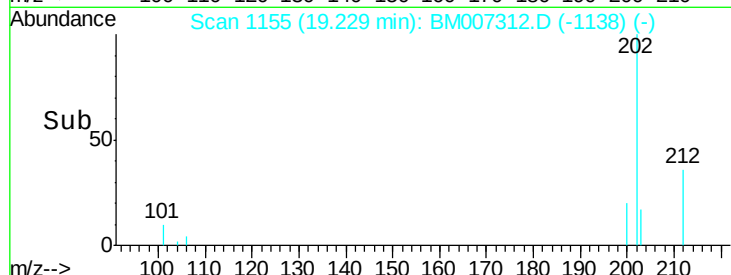
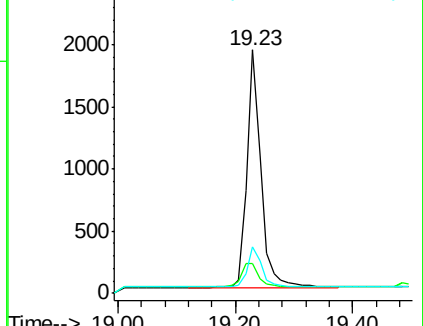
203 19.0 0.0 36.3



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: 0.08 ng/ul

RT: 19.59 min Scan# 1185

Delta R.T. -0.00 min

Lab File: BM007312.D

Acq: 27 Aug 2016 02:53

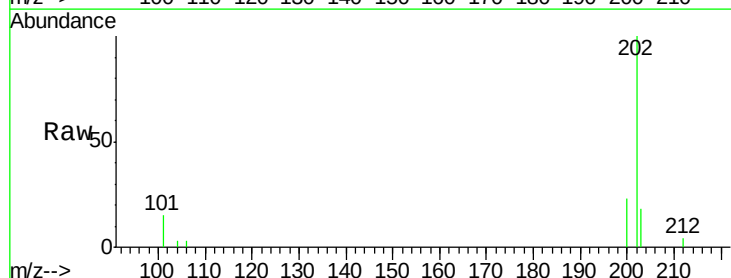
Tgt Ion:202 Resp: 3217

Ion Ratio Lower Upper

202 100

200 23.3 17.8 26.8

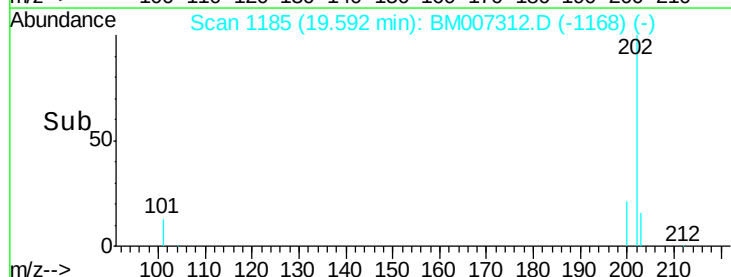
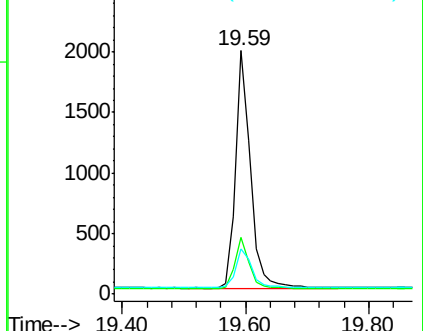
203 18.5 12.8 19.2

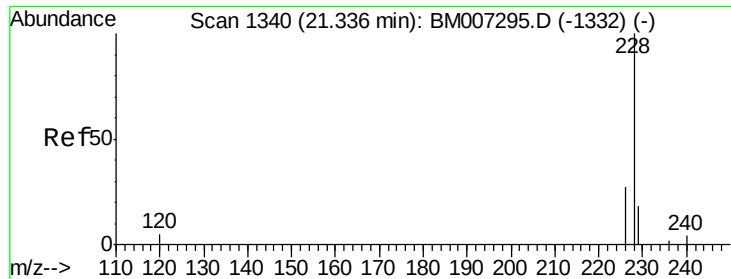


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

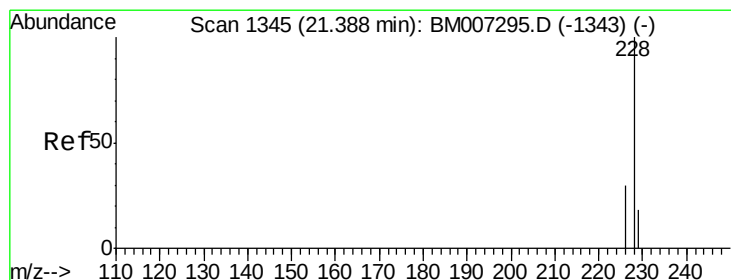
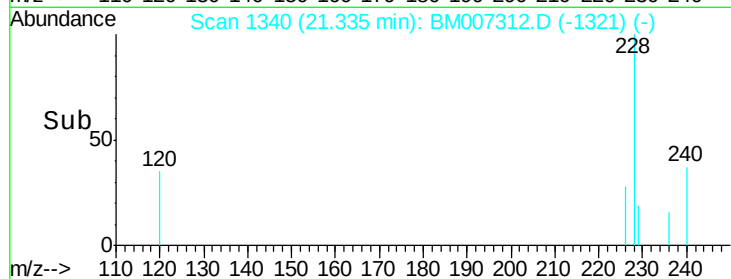
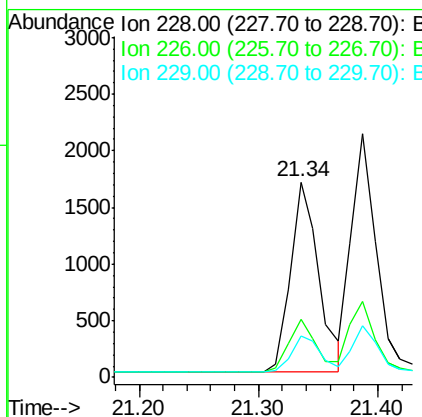
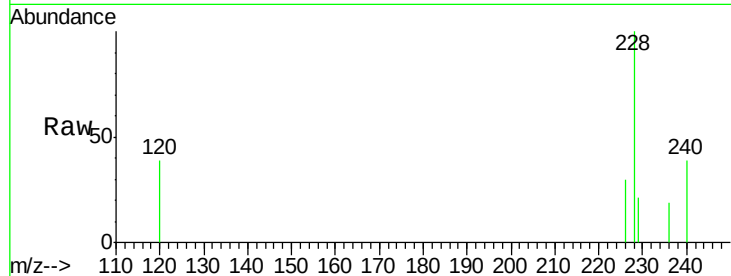




#18
Benzo(a)anthracene
Concen: 0.07 ng/ul
RT: 21.34 min Scan# 1340
Delta R.T. -0.00 min
Lab File: BM007312.D
Acq: 27 Aug 2016 02:53

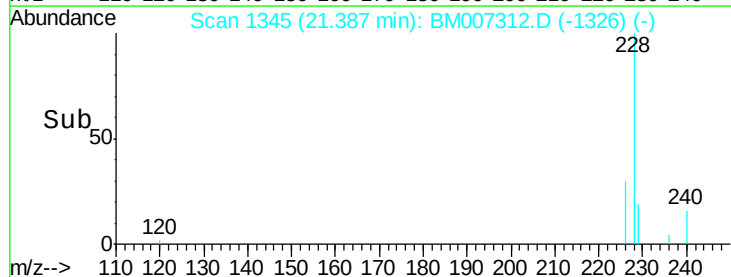
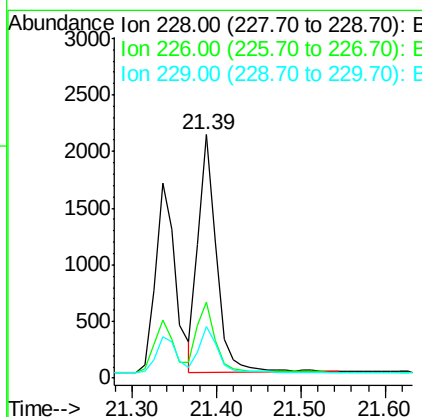
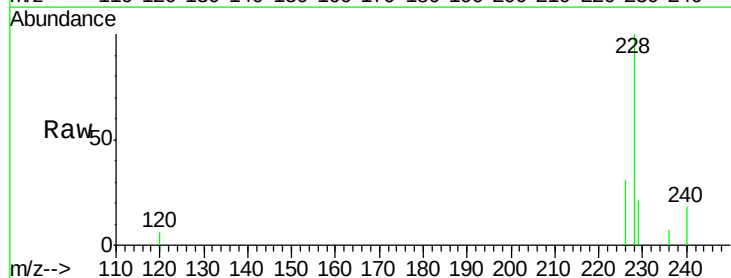
Instrument :
BNA_M
ClientSampled :

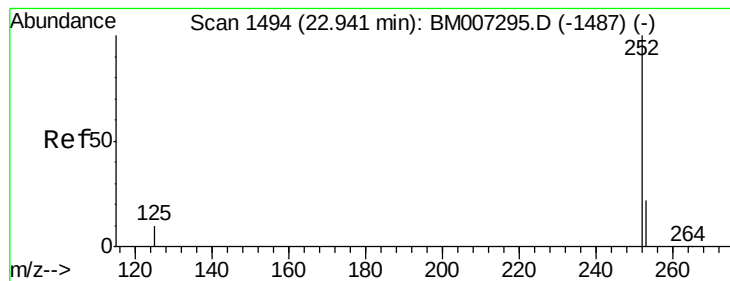
Tgt Ion:228 Resp: 2775
Ion Ratio Lower Upper
228 100
226 29.9 18.8 28.2#
229 21.4 17.1 25.7



#19
Chrysene
Concen: 0.08 ng/ul
RT: 21.39 min Scan# 1345
Delta R.T. -0.00 min
Lab File: BM007312.D
Acq: 27 Aug 2016 02:53

Tgt Ion:228 Resp: 3111
Ion Ratio Lower Upper
228 100
226 31.5 21.2 31.8
229 21.1 17.0 25.6





#21

Benzo(b)fluoranthene

Concen: 0.07 ng/ul

RT: 22.94 min Scan# 1494

Delta R.T. -0.00 min

Lab File: BM007312.D

Acq: 27 Aug 2016 02:53

Instrument :

BNA_M

ClientSampleId :

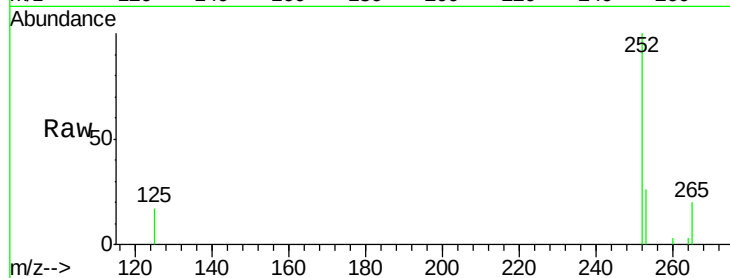
Tgt Ion:252 Resp: 3473

Ion Ratio Lower Upper

252 100

253 26.5 0.0 45.4

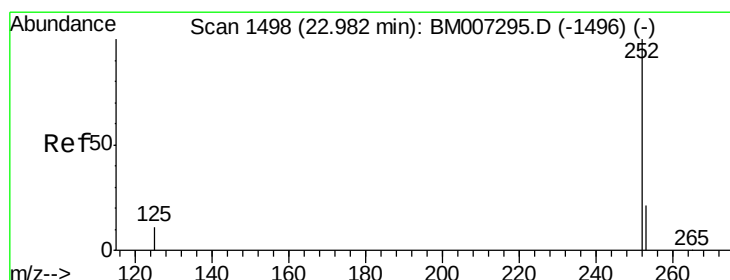
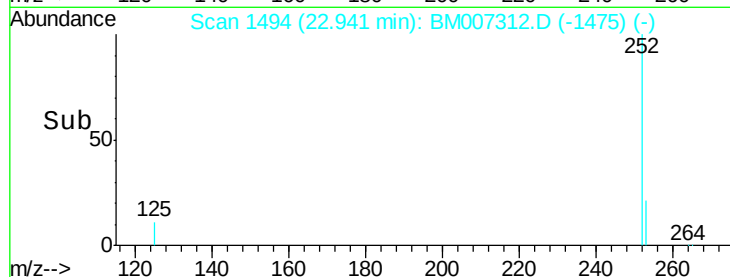
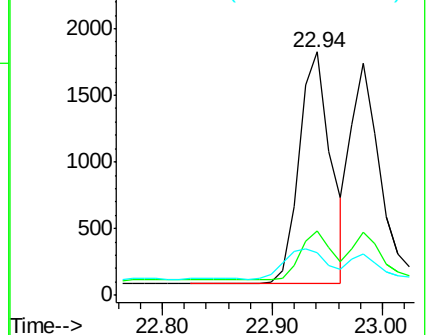
125 17.3 0.0 28.8



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: 0.08 ng/ul

RT: 22.98 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BM007312.D

Acq: 27 Aug 2016 02:53

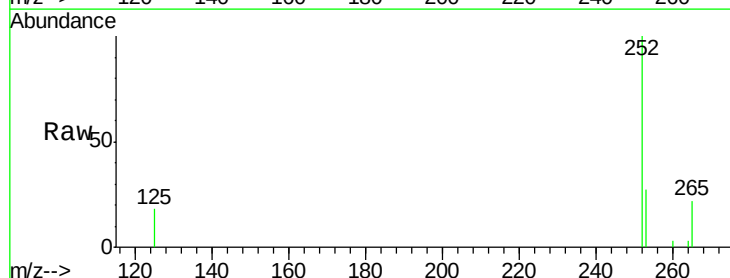
Tgt Ion:252 Resp: 3093

Ion Ratio Lower Upper

252 100

253 27.2 19.8 29.8

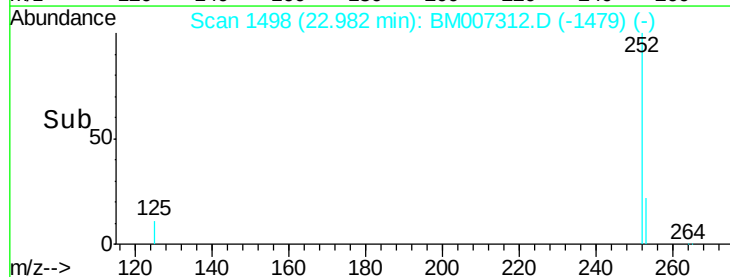
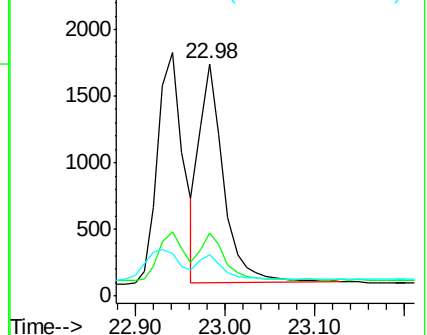
125 17.7 10.4 15.6#

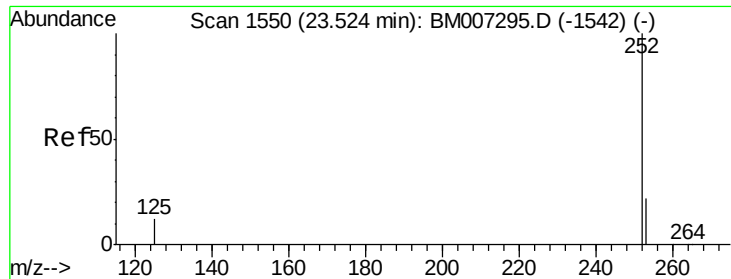


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.08 ng/ul

RT: 23.52 min Scan# 1550

Delta R.T. -0.00 min

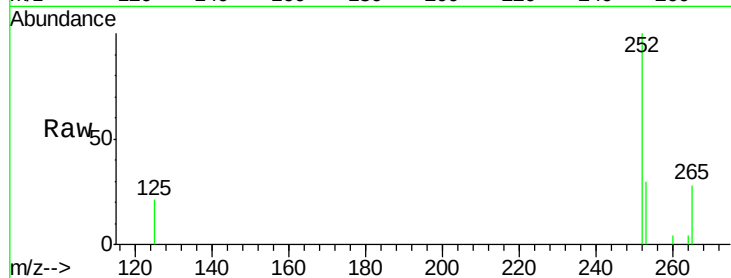
Lab File: BM007312.D

Acq: 27 Aug 2016 02:53

Instrument :

BNA_M

ClientSampleId :



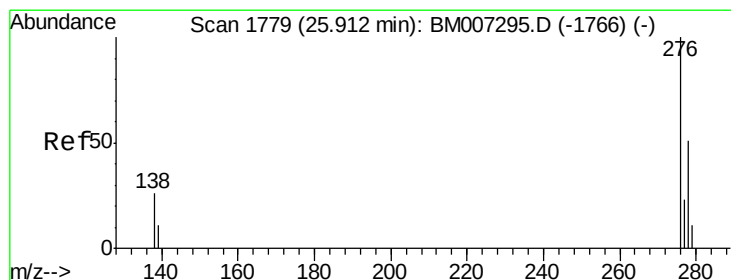
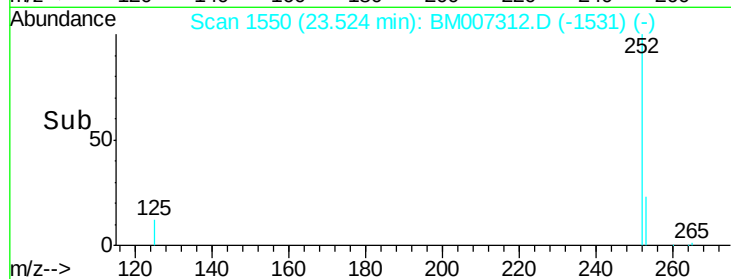
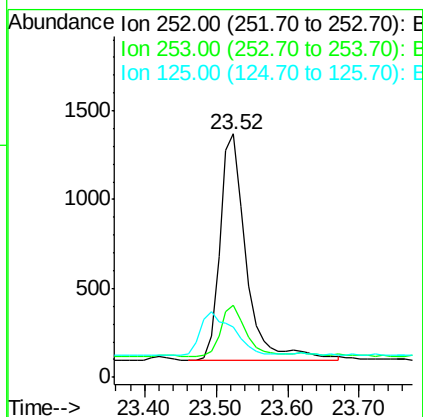
Tgt Ion:252 Resp: 3248

Ion Ratio Lower Upper

252 100

253 29.8 19.4 29.2#

125 20.7 12.7 19.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.07 ng/ul

RT: 25.91 min Scan# 1779

Delta R.T. -0.00 min

Lab File: BM007312.D

Acq: 27 Aug 2016 02:53

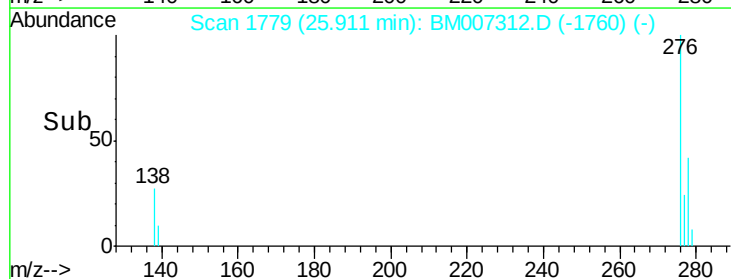
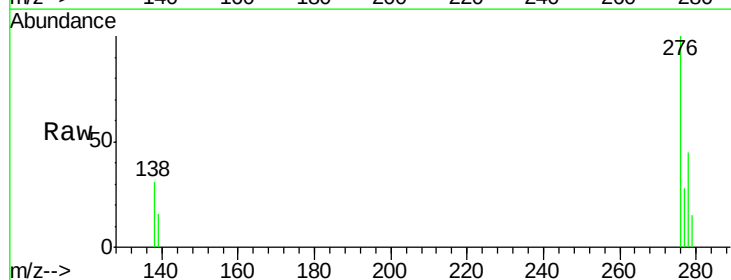
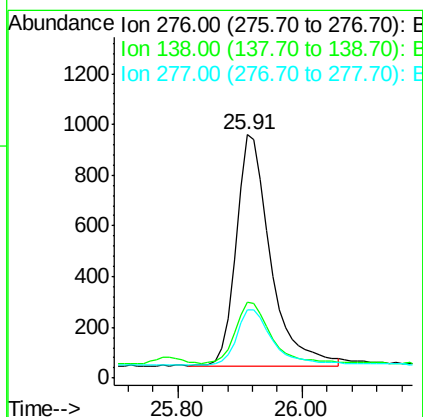
Tgt Ion:276 Resp: 3514

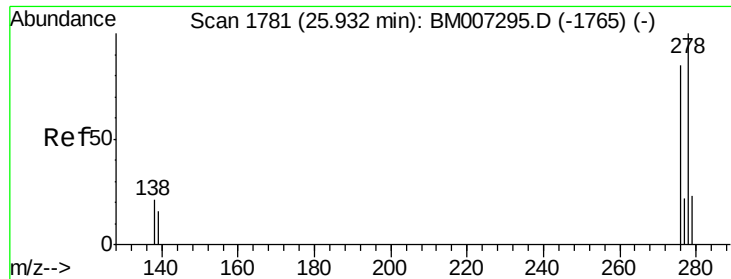
Ion Ratio Lower Upper

276 100

138 27.5 16.3 24.5#

277 24.0 19.8 29.8



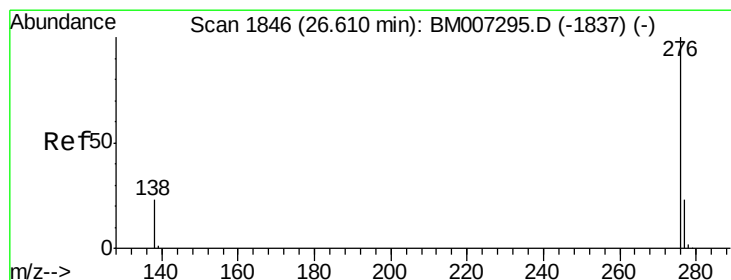
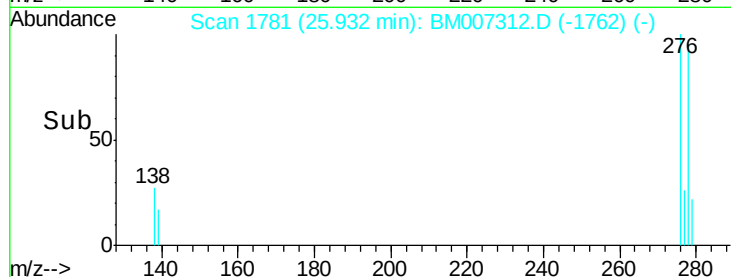
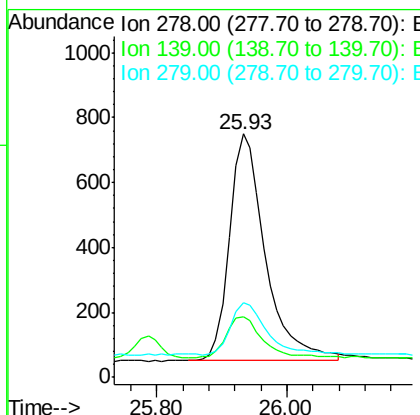
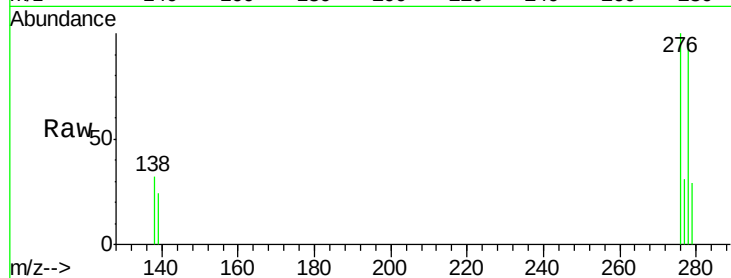


#25
Dibenzo(a,h)anthracene
Concen: 0.07 ng/ul
RT: 25.93 min Scan# 1781
Delta R.T. -0.00 min
Lab File: BM007312.D
Acq: 27 Aug 2016 02:53

Instrument :
BNA_M
ClientSampleId :

Tgt Ion: 278 Resp: 2671

Ion	Ratio	Lower	Upper
278	100		
139	24.7	16.4	24.6#
279	30.5	20.2	30.2#



#26
Benzo(g,h,i)perylene
Concen: 0.07 ng/ul
RT: 26.61 min Scan# 1846
Delta R.T. -0.00 min
Lab File: BM007312.D
Acq: 27 Aug 2016 02:53

Tgt Ion: 276 Resp: 3146

Ion	Ratio	Lower	Upper
276	100		
277	26.8	18.9	28.3
138	29.1	22.5	33.7

