

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM082616\
 Data File : BM007308.D
 Acq On : 27 Aug 2016 00:29
 Operator : UM/SJ
 Sample : MDL-03-W
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 27 03:08:55 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	7.80	152	1560	0.40	ng/ul	0.00
2) Naphthalene-d8	10.60	136	6051	0.40	ng/ul	0.01
6) Acenaphthene-d10	14.43	164	3807	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.18	188	10418	0.40	ng/ul	0.00
16) Chrysene-d12	21.36	240	10859	0.40	ng/ul	0.00
20) Perylene-d12	23.62	264	11294	0.40	ng/ul	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.18	152	3172	0.42	ng/ul	0.00
14) Fluoranthene-d10	19.21	212	10216	0.44	ng/ul	0.00

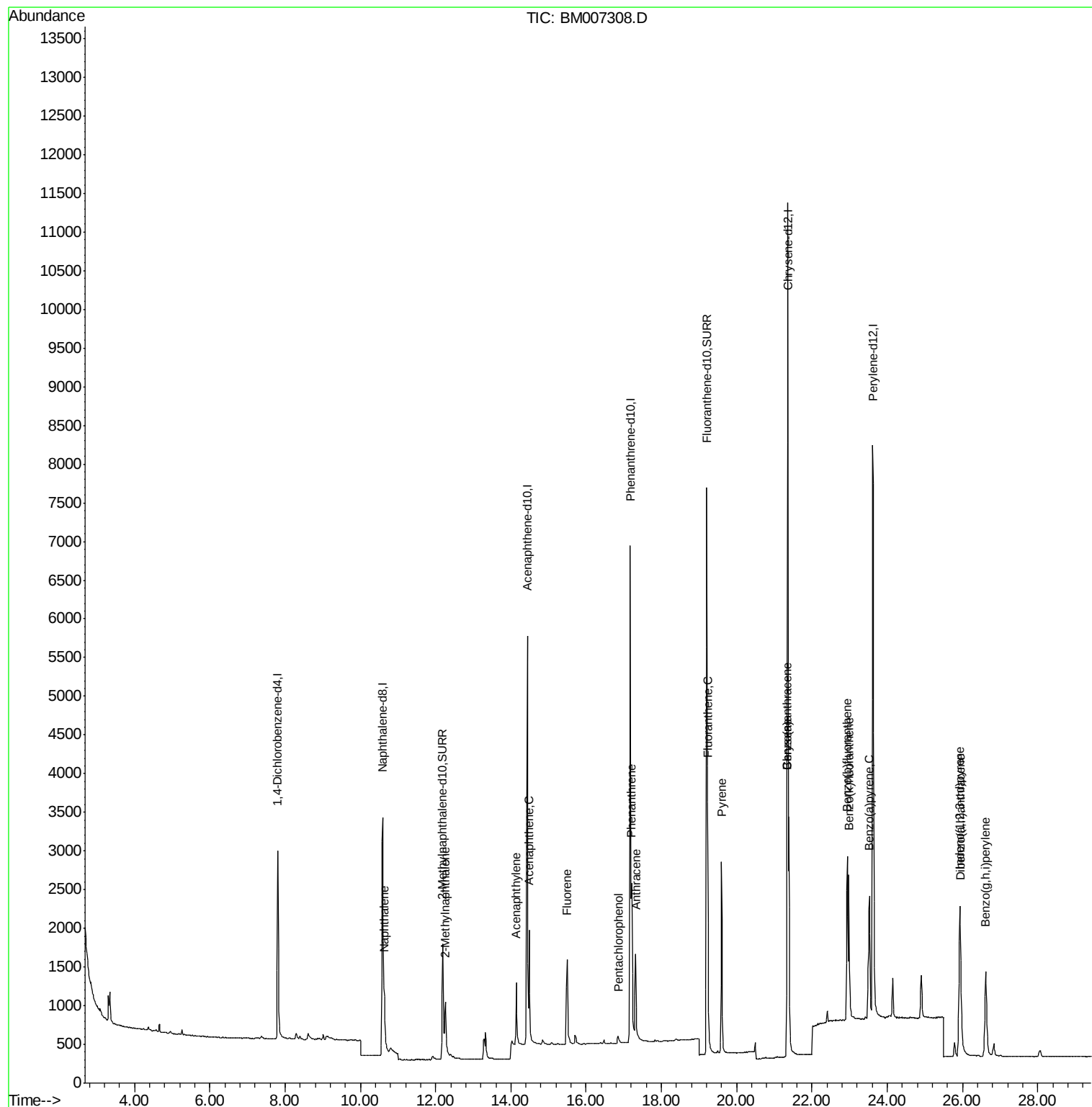
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Naphthalene	10.65	128	1084	0.07	ng/ul#	76
5) 2-Methylnaphthalene	12.26	142	734	0.07	ng/ul	97
7) Acenaphthylene	14.14	152	1193	0.06	ng/ul#	89
8) Acenaphthene	14.49	153	963	0.07	ng/ul#	82
9) Fluorene	15.50	166	1114	0.07	ng/ul#	92
11) Pentachlorophenol	16.85	266	123	0.05	ng/ul	94
12) Phenanthrene	17.21	178	2209	0.07	ng/ul#	92
13) Anthracene	17.31	178	1739	0.06	ng/ul#	88
15) Fluoranthene	19.23	202	2820	0.08	ng/ul	93
17) Pyrene	19.59	202	2796	0.08	ng/ul#	95
18) Benzo(a)anthracene	21.34	228	2377	0.07	ng/ul#	91
19) Chrysene	21.34	228	2377	0.07	ng/ul	95
21) Benzo(b)fluoranthene	22.94	252	3002	0.07	ng/ul	90
22) Benzo(k)fluoranthene	22.98	252	2728	0.08	ng/ul#	91
23) Benzo(a)pyrene	23.52	252	2860	0.08	ng/ul#	88
24) Indeno(1,2,3-cd)pyrene	25.92	276	3061	0.07	ng/ul#	93
25) Dibenzo(a,h)anthracene	25.94	278	2327	0.07	ng/ul#	88
26) Benzo(g,h,i)perylene	26.62	276	2715	0.07	ng/ul#	94

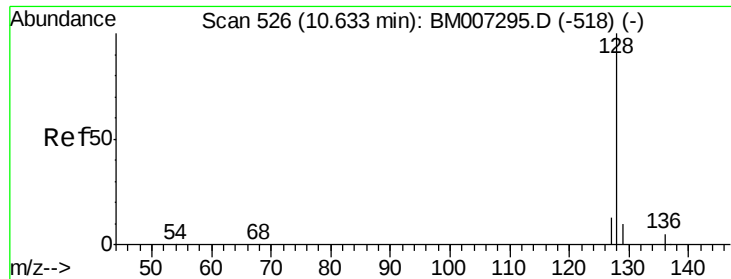
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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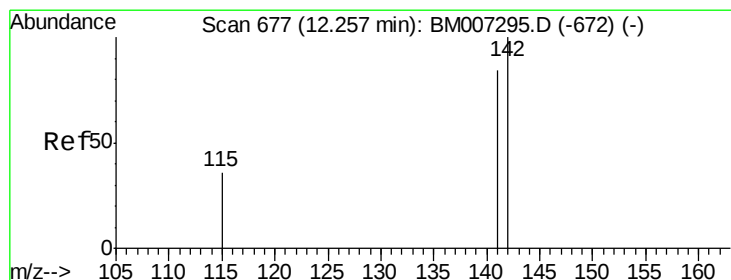
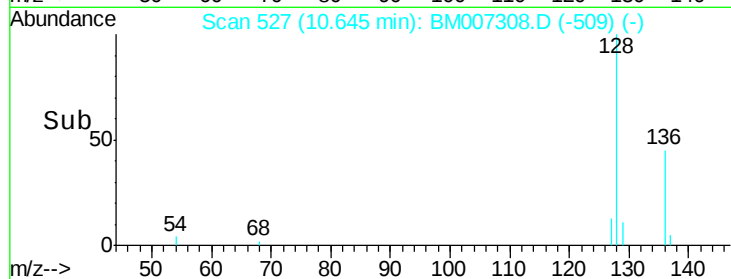
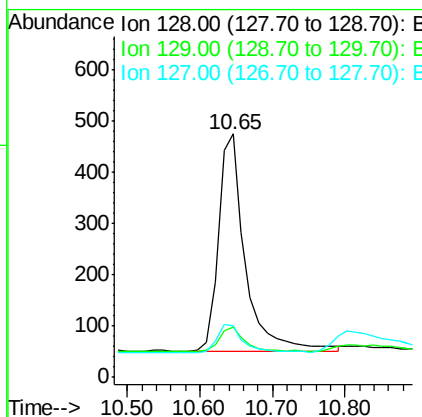
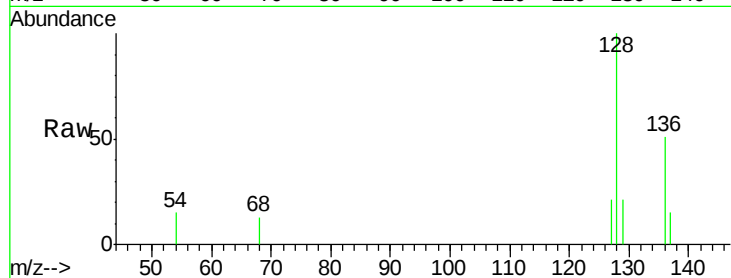




#3
Naphthalene
Concen: 0.07 ng/ul
RT: 10.65 min Scan# 527
Delta R.T. 0.01 min
Lab File: BM007308.D
Acq: 27 Aug 2016 00:29

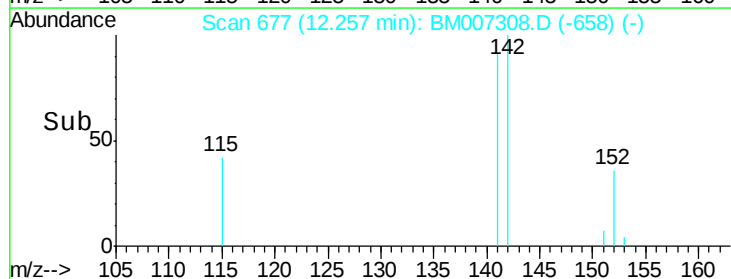
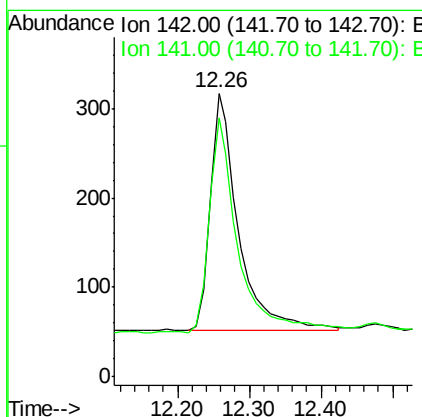
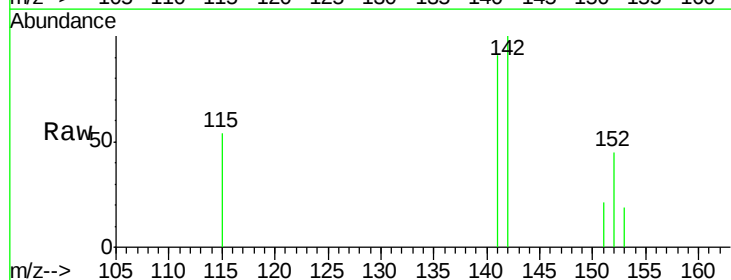
Instrument :
BNA_M
ClientSampled :

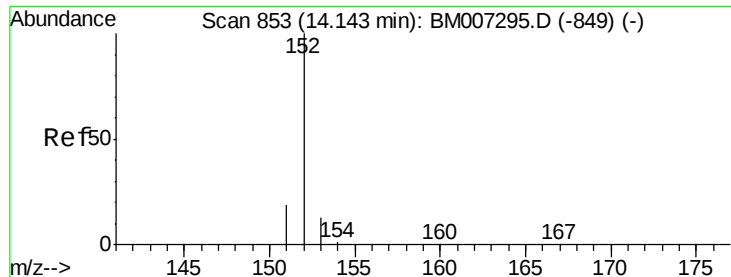
Tgt Ion:128 Resp: 1084
Ion Ratio Lower Upper
128 100
129 20.6 9.0 13.6#
127 21.5 9.6 14.4#



#5
2-Methylnaphthalene
Concen: 0.07 ng/ul
RT: 12.26 min Scan# 677
Delta R.T. -0.00 min
Lab File: BM007308.D
Acq: 27 Aug 2016 00:29

Tgt Ion:142 Resp: 734
Ion Ratio Lower Upper
142 100
141 91.1 70.3 105.5





#7

Acenaphthylene

Concen: 0.06 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.00 min

Lab File: BM007308.D

Acq: 27 Aug 2016 00:29

Instrument :

BNA_M

ClientSampleId :

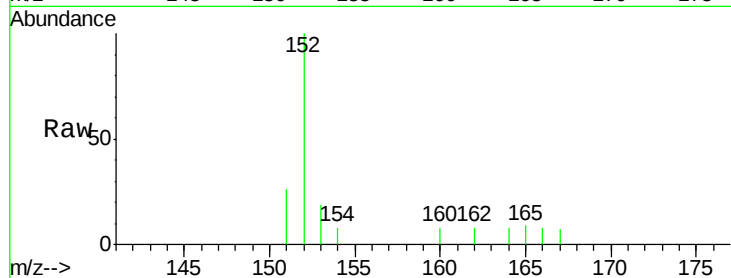
Tgt Ion:152 Resp: 1193

Ion Ratio Lower Upper

152 100

151 25.9 17.6 26.4

153 18.9 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

14.14

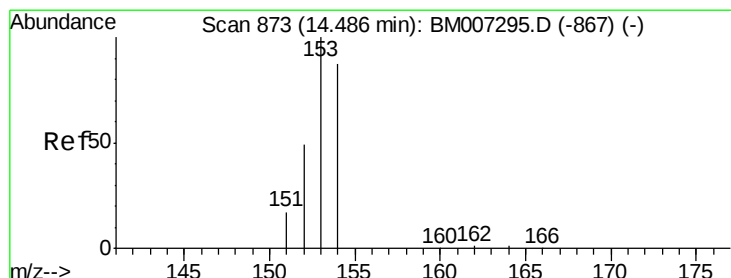
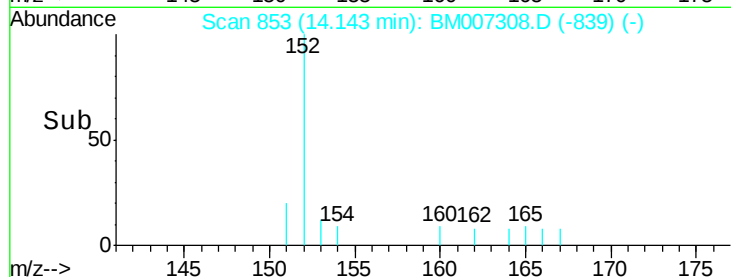
600

400

200

0

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: BM007308.D

Acq: 27 Aug 2016 00:29

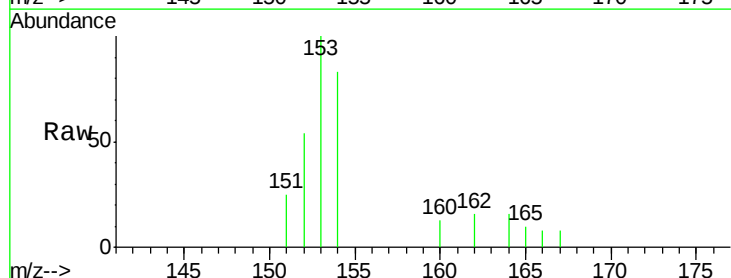
Tgt Ion:153 Resp: 963

Ion Ratio Lower Upper

153 100

152 54.4 33.9 50.9#

154 83.4 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

14.49

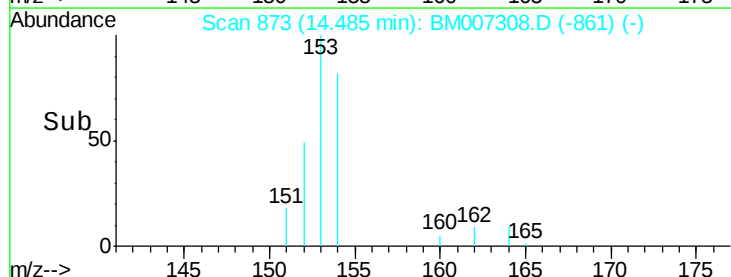
600

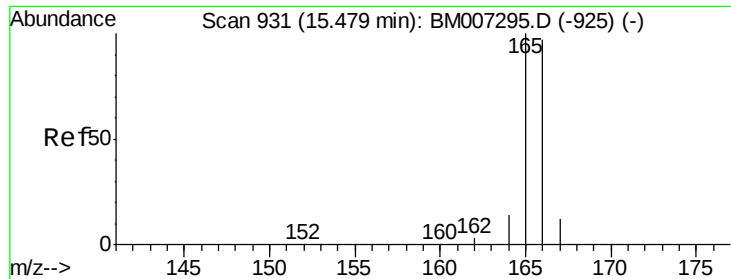
400

200

0

Time--> 14.40 14.60

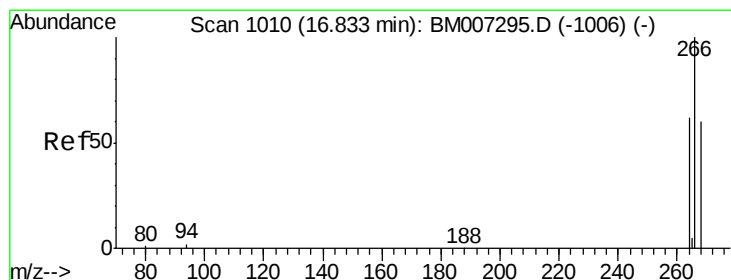
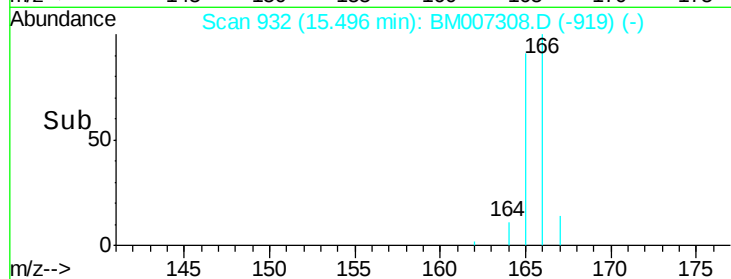
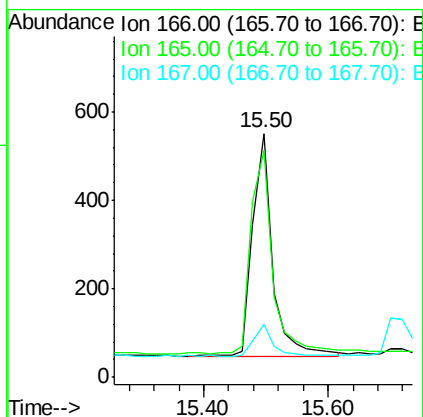
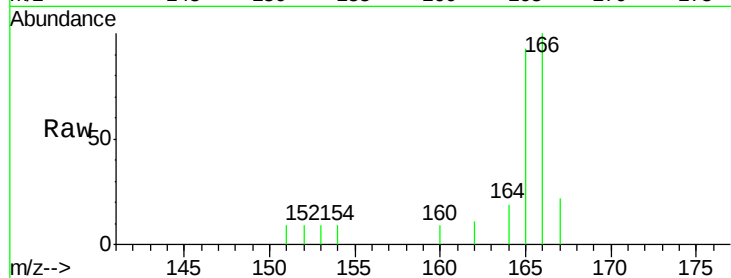




#9
Fluorene
 Concen: 0.07 ng/ul
 RT: 15.50 min Scan# 932
 Delta R.T. 0.02 min
 Lab File: BM007308.D
 Acq: 27 Aug 2016 00:29

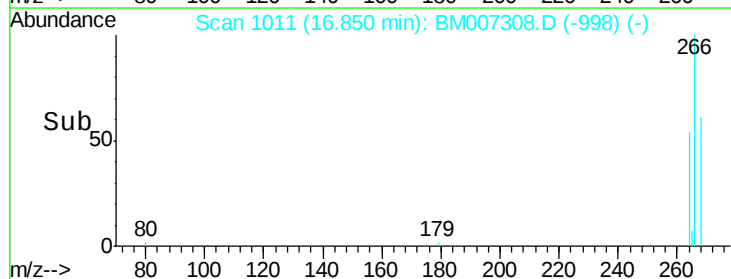
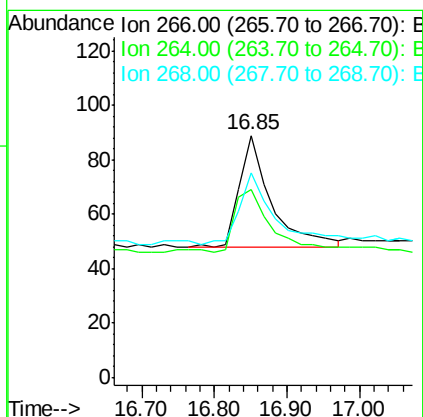
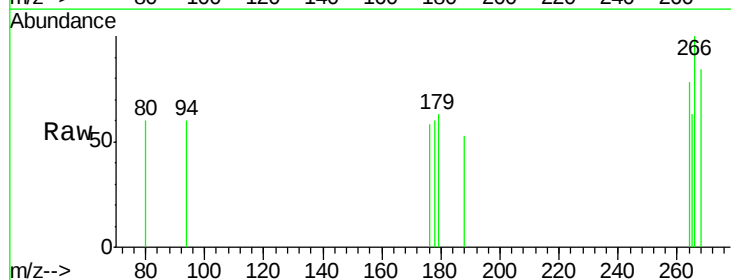
Instrument :
 BNA_M
 ClientSampleId :

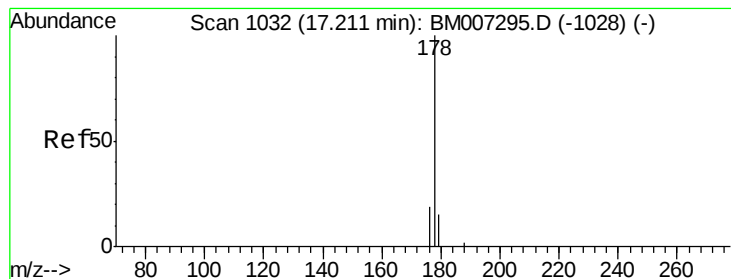
Tgt Ion:166 Resp: 1114
 Ion Ratio Lower Upper
 166 100
 165 92.9 69.6 104.4
 167 21.8 11.9 17.9#



#11
Pentachlorophenol
 Concen: 0.05 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. 0.02 min
 Lab File: BM007308.D
 Acq: 27 Aug 2016 00:29

Tgt Ion:266 Resp: 123
 Ion Ratio Lower Upper
 266 100
 264 64.2 51.8 77.8
 268 67.5 46.8 70.2





#12

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.21 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BM007308.D

Acq: 27 Aug 2016 00:29

Instrument :

BNA_M

ClientSampleId :

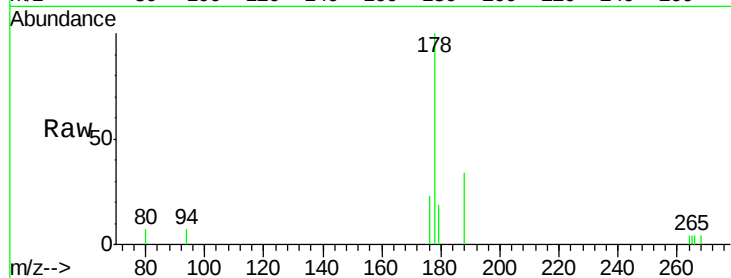
Tgt Ion:178 Resp: 2209

Ion Ratio Lower Upper

178 100

176 22.7 13.0 19.4#

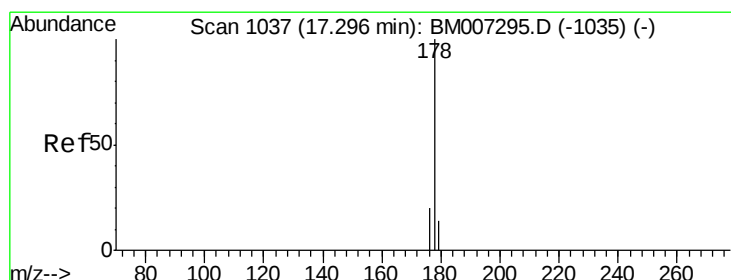
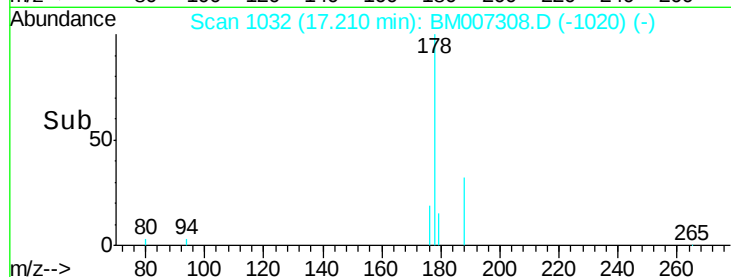
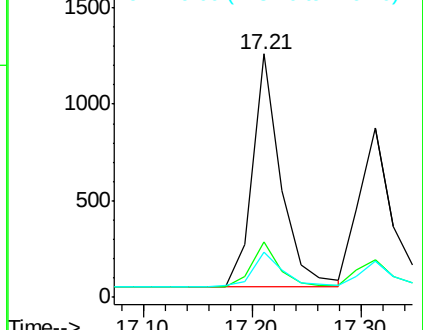
179 18.6 14.2 21.2



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: BM007308.D

Acq: 27 Aug 2016 00:29

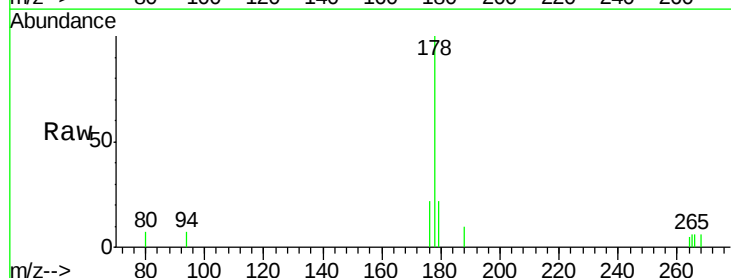
Tgt Ion:178 Resp: 1739

Ion Ratio Lower Upper

178 100

176 22.4 14.0 21.0#

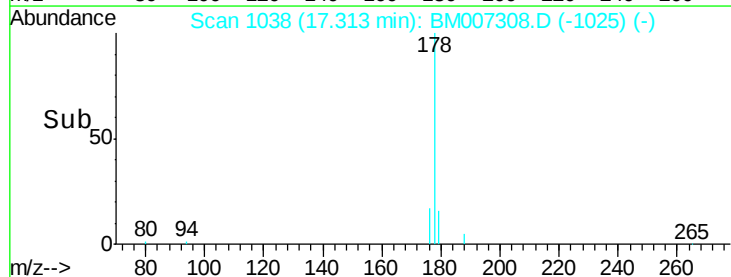
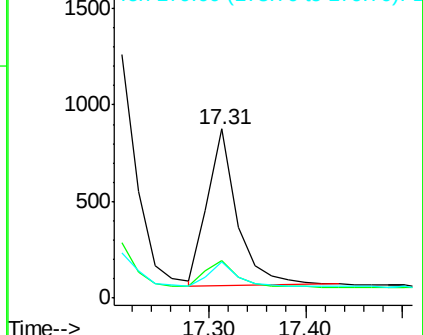
179 21.5 12.9 19.3#

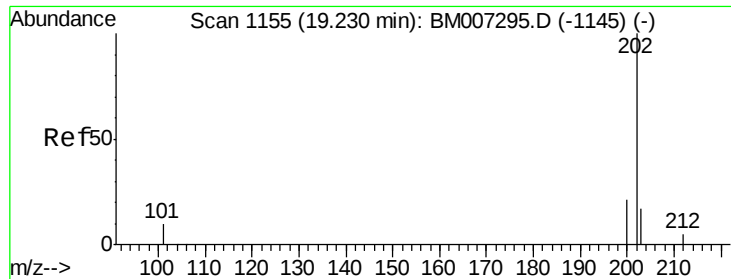


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM007308.D

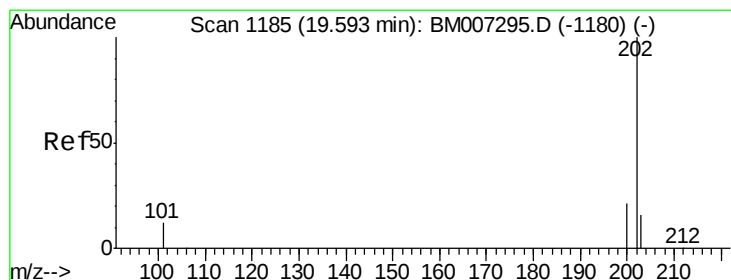
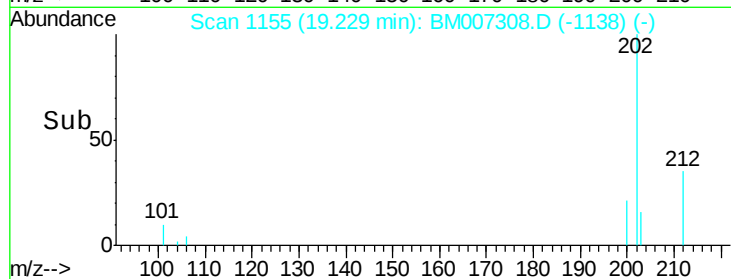
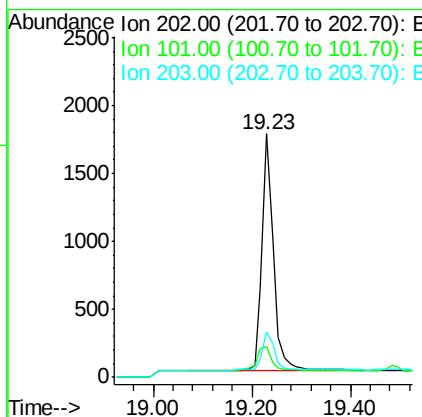
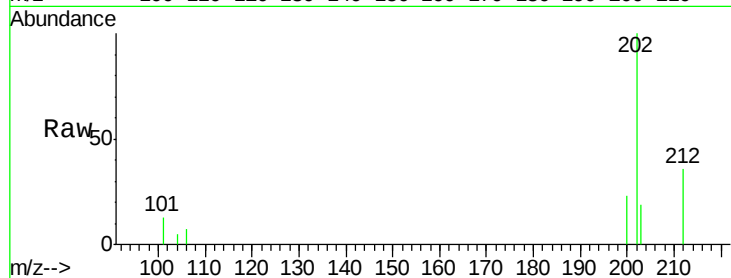
Acq: 27 Aug 2016 00:29

Instrument :

BNA_M

ClientSampleId :

Tgt Ion:	202	Resp:	2820
Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	29.6
203	18.8	0.0	36.3



#17

Pyrene

Concen: 0.08 ng/ul

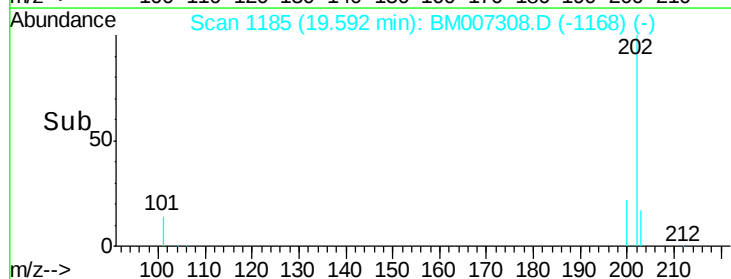
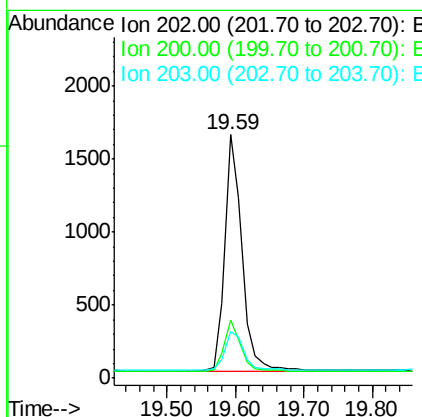
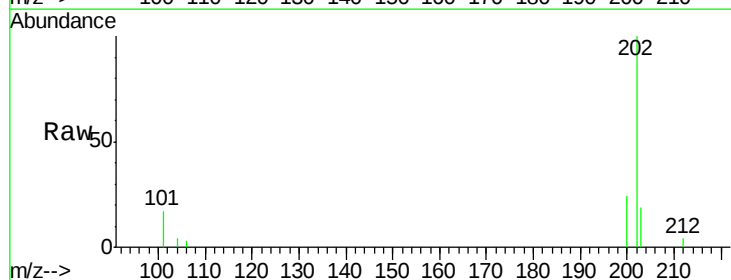
RT: 19.59 min Scan# 1185

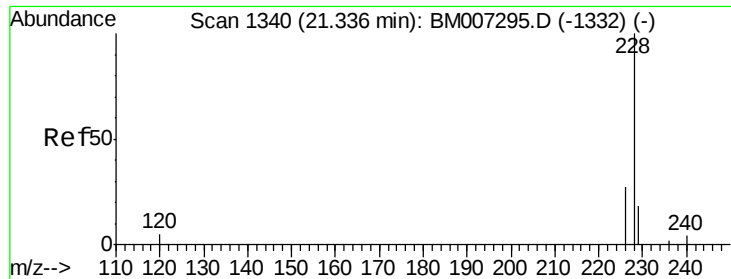
Delta R.T. -0.00 min

Lab File: BM007308.D

Acq: 27 Aug 2016 00:29

Tgt Ion:	202	Resp:	2796
Ion	Ratio	Lower	Upper
202	100		
200	23.7	17.8	26.8
203	19.3	12.8	19.2#





#18

Benzo(a)anthracene

Concen: 0.07 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.00 min

Lab File: BM007308.D

Acq: 27 Aug 2016 00:29

Instrument :

BNA_M

ClientSampleId :

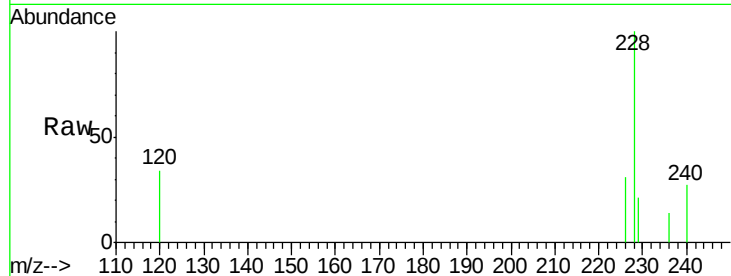
Tgt Ion:228 Resp: 2377

Ion Ratio Lower Upper

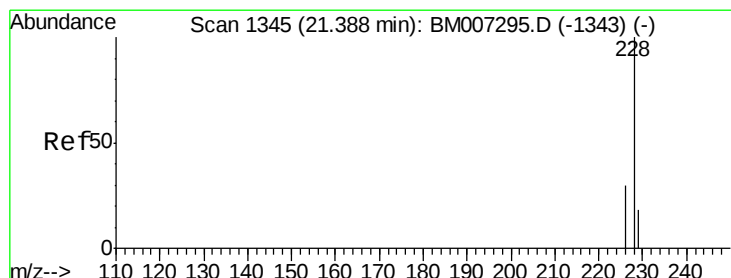
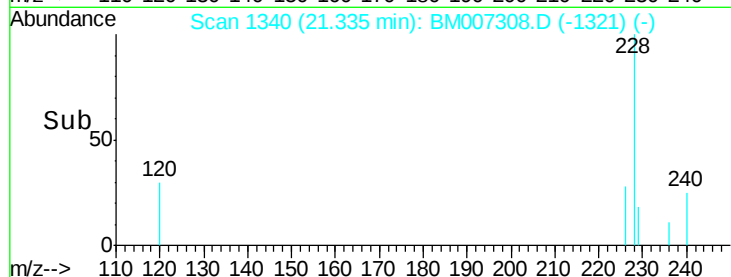
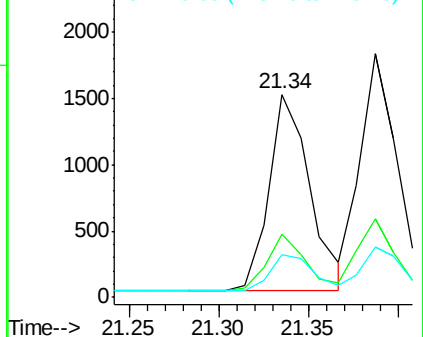
228 100

226 30.9 18.8 28.2#

229 20.7 17.1 25.7



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: 0.07 ng/ul

RT: 21.34 min Scan# 1340

Delta R.T. -0.05 min

Lab File: BM007308.D

Acq: 27 Aug 2016 00:29

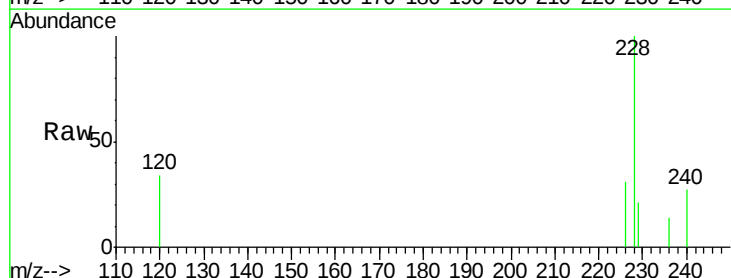
Tgt Ion:228 Resp: 2377

Ion Ratio Lower Upper

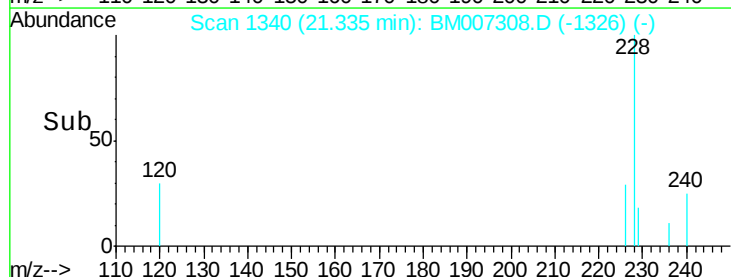
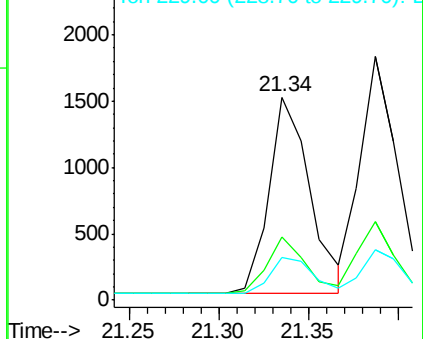
228 100

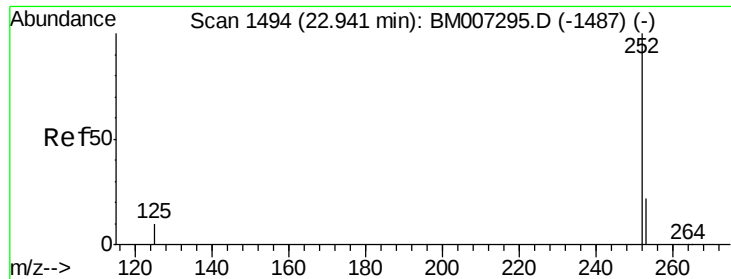
226 30.9 21.2 31.8

229 20.7 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





#21

Benzo(b)fluoranthene

Concen: 0.07 ng/u1

RT: 22.94 min Scan# 1494

Delta R.T. -0.00 min

Lab File: BM007308.D

Acq: 27 Aug 2016 00:29

Instrument :

BNA_M

ClientSampleId :

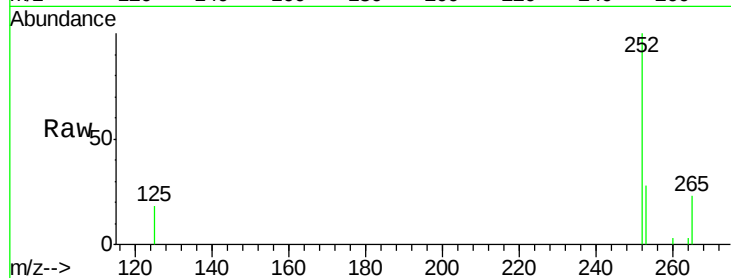
Tgt Ion:252 Resp: 3002

Ion Ratio Lower Upper

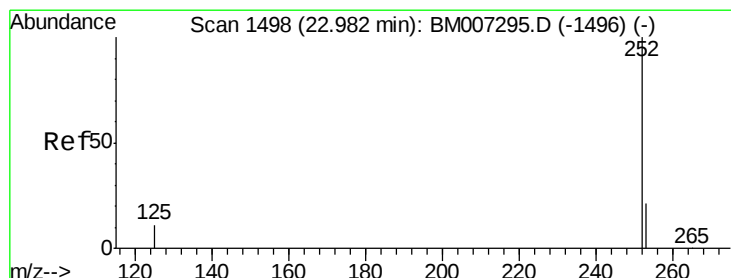
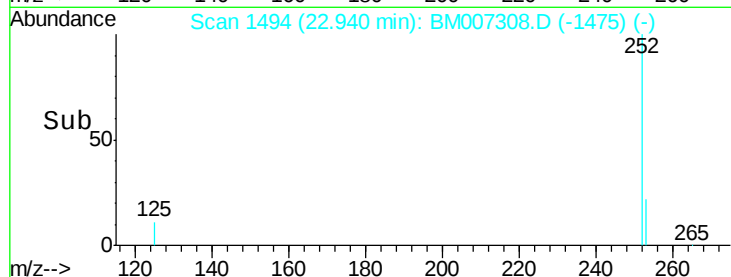
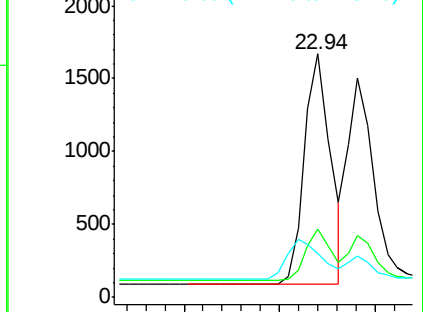
252 100

253 27.9 0.0 45.4

125 18.2 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/u1

RT: 22.98 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BM007308.D

Acq: 27 Aug 2016 00:29

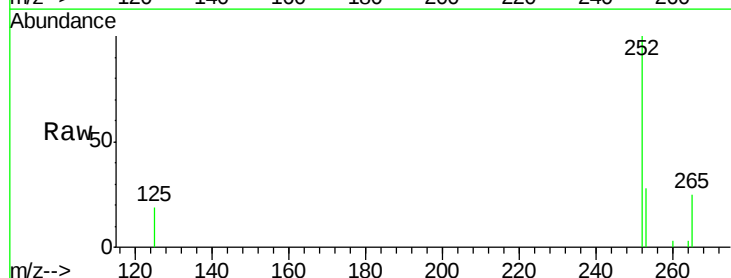
Tgt Ion:252 Resp: 2728

Ion Ratio Lower Upper

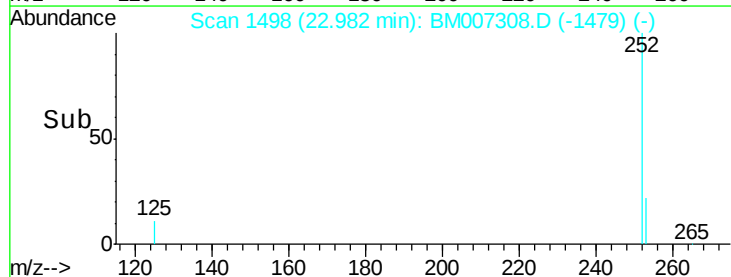
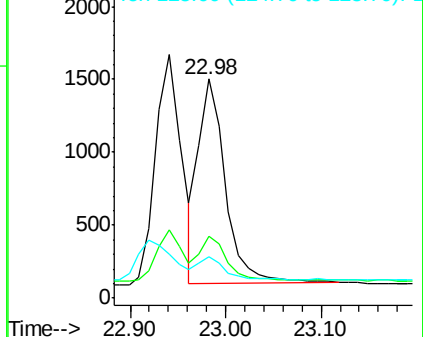
252 100

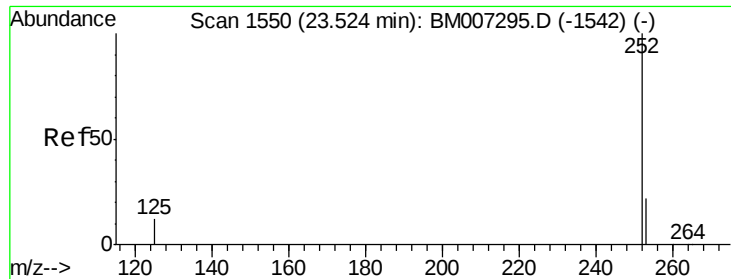
253 27.9 19.8 29.8

125 18.7 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

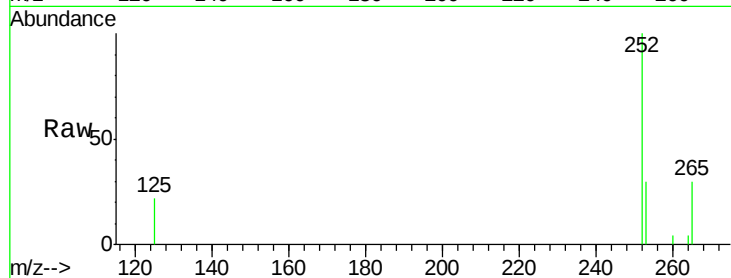
Lab File: BM007308.D

Acq: 27 Aug 2016 00:29

Instrument :

BNA_M

ClientSampleId :



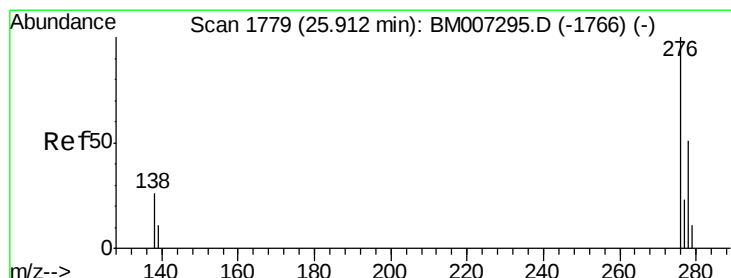
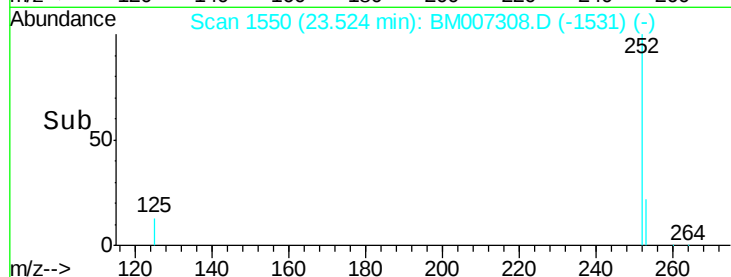
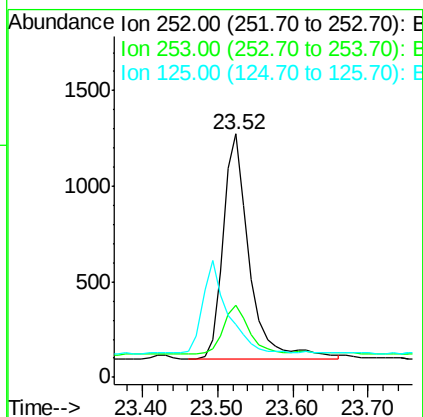
Tgt Ion:252 Resp: 2860

Ion Ratio Lower Upper

252 100

253 29.6 19.4 29.2#

125 21.7 12.7 19.1#



#24

Indeno(1,2,3-cd)pyrene

Concen: 0.07 ng/ul

RT: 25.92 min Scan# 1780

Delta R.T. 0.01 min

Lab File: BM007308.D

Acq: 27 Aug 2016 00:29

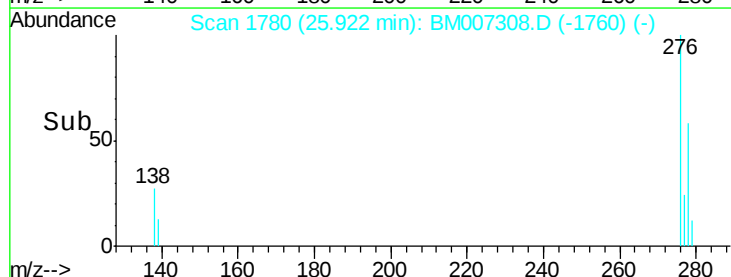
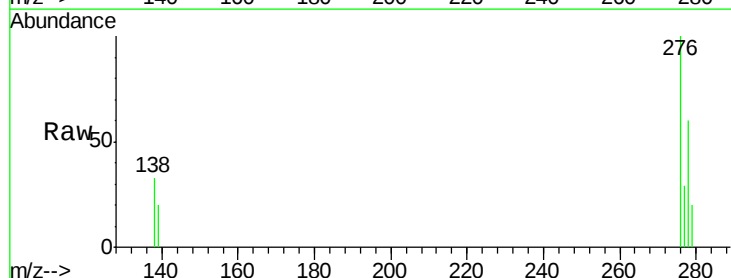
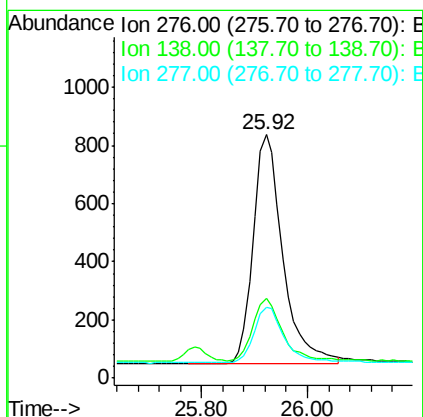
Tgt Ion:276 Resp: 3061

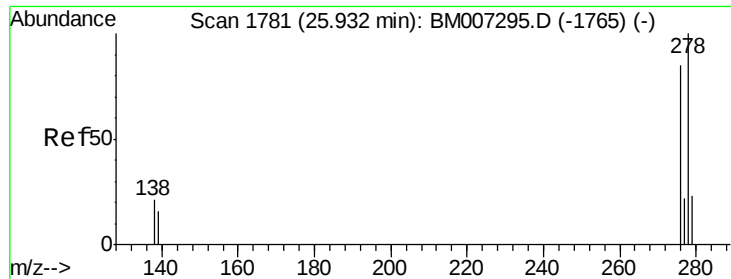
Ion Ratio Lower Upper

276 100

138 26.9 16.3 24.5#

277 23.9 19.8 29.8





#25

Dibenzo(a,h)anthracene

Concen: 0.07 ng/ul

RT: 25.94 min Scan# 1782

Delta R.T. 0.01 min

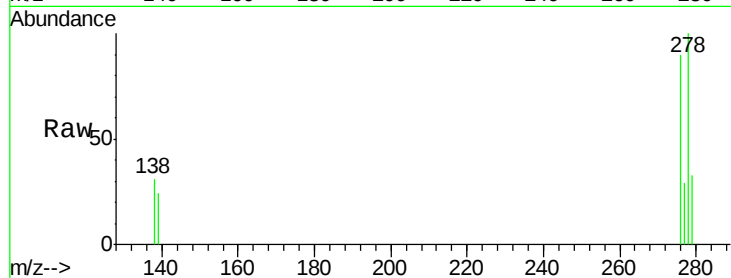
Lab File: BM007308.D

Acq: 27 Aug 2016 00:29

Instrument :

BNA_M

ClientSampleId :



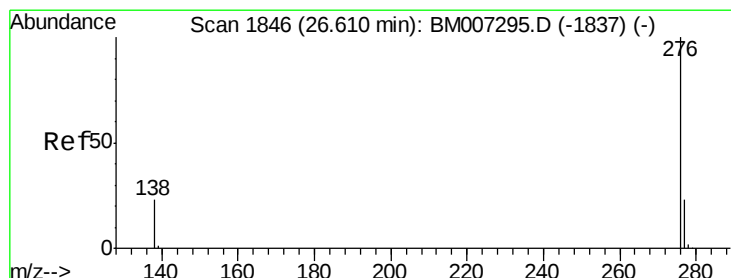
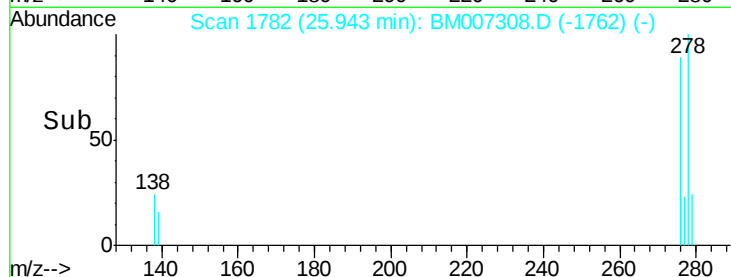
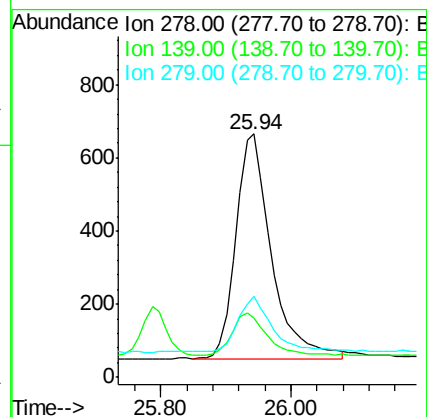
Tgt Ion: 278 Resp: 2327

Ion Ratio Lower Upper

278 100

139 24.2 16.4 24.6

279 33.2 20.2 30.2#



#26

Benzo(g,h,i)perylene

Concen: 0.07 ng/ul

RT: 26.62 min Scan# 1847

Delta R.T. 0.01 min

Lab File: BM007308.D

Acq: 27 Aug 2016 00:29

Tgt Ion: 276 Resp: 2715

Ion Ratio Lower Upper

276 100

277 28.8 18.9 28.3#

138 28.9 22.5 33.7

