

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042417\
 Data File : BM009694.D
 Acq On : 24 Apr 2017 16:51
 Operator : SJ/MA
 Sample : I2779-03
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 25 04:30:13 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM042417.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 24 15:43:15 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	111	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	359	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	235	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	584	0.40	ng/ul	0.00
16) Chrysene-d12	21.41	240	689	0.40	ng/ul	0.00
20) Perylene-d12	23.72	264	765	0.40	ng/ul	0.00

System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	185	0.34	ng/ul	0.00
14) Fluoranthene-d10	19.25	212	640	0.37	ng/ul	0.00

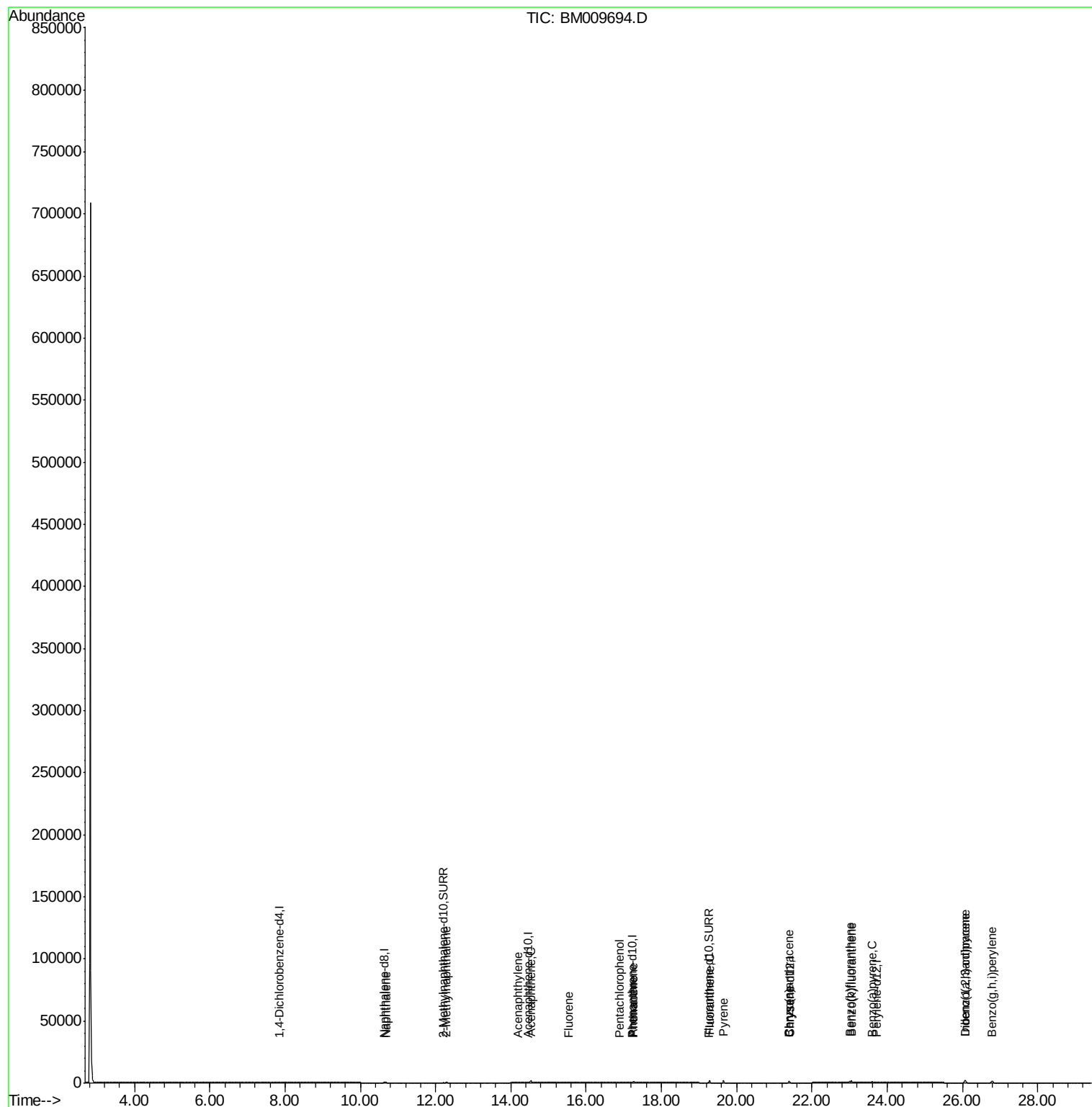
Target Compounds				Ovalue		
3) Naphthalene	10.68	128	411	0.43	ng/ul#	66
5) 2-Methylnaphthalene	12.29	142	625	0.89	ng/ul	98
7) Acenaphthylene	14.19	152	573	0.50	ng/ul#	82
8) Acenaphthene	14.54	153	1139	1.25	ng/ul	95
9) Fluorene	15.55	166	25	0.02	ng/ul#	64
11) Pentachlorophenol	16.88	266	255	1.13	ng/ul	93
12) Phenanthrene	17.26	178	1026	0.59	ng/ul#	94
13) Anthracene	17.26	178	1026	0.59	ng/ul	95
15) Fluoranthene	19.28	202	2154	0.94	ng/ul	98
17) Pyrene	19.64	202	1807	0.79	ng/ul	96
18) Benzo(a)anthracene	21.39	228	1174	0.51	ng/ul	96
19) Chrysene	21.39	228	1174	0.54	ng/ul	98
21) Benzo(b)fluoranthene	23.01	252	1998	0.76	ng/ul	91
22) Benzo(k)fluoranthene	23.06	252	2144	0.85	ng/ul#	92
23) Benzo(a)pyrene	23.61	252	1226	0.48	ng/ul#	90
24) Indeno(1,2,3-cd)pyrene	26.07	276	2208	0.76	ng/ul#	92
25) Dibenzo(a,h)anthracene	26.08	278	2219	0.92	ng/ul#	92
26) Benzo(g,h,i)perylene	26.79	276	2347	0.94	ng/ul#	91

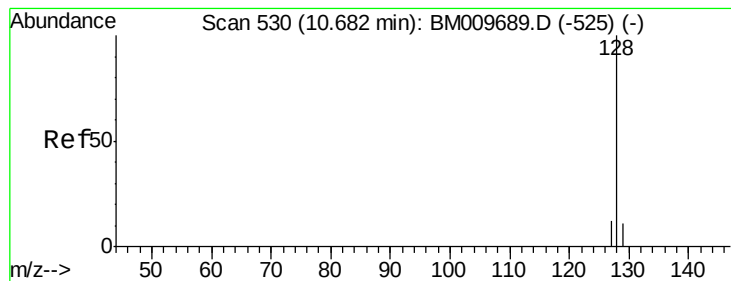
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.43 ng/ul

RT: 10.68 min Scan# 530

Delta R.T. 0.00 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

Instrument :

BNA_M

ClientSampleId :

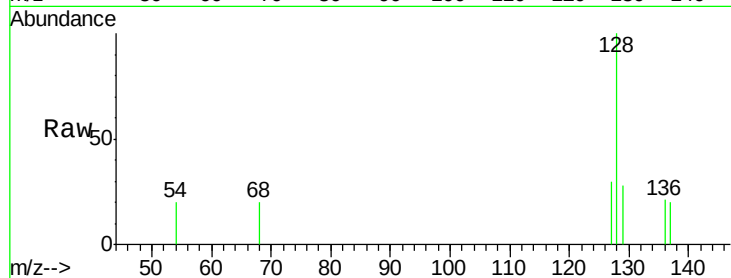
Tot Ion:128 Resp: 411

Ion Ratio Lower Upper

128 100

129 28.2 11.3 16.9#

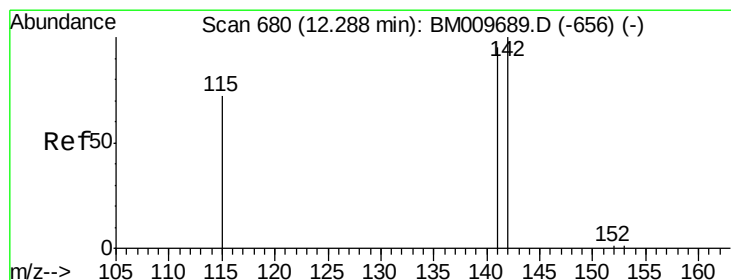
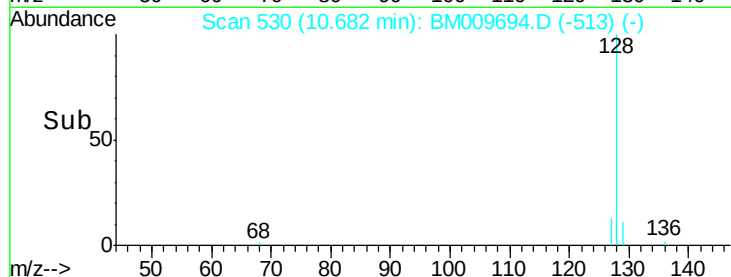
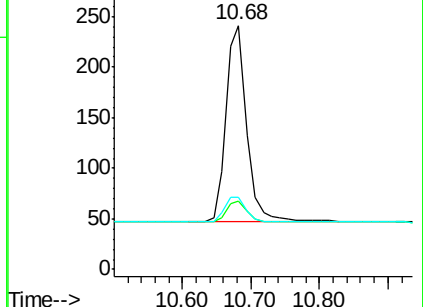
127 29.9 12.8 19.2#



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: 0.89 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. 0.00 min

Lab File: BM009694.D

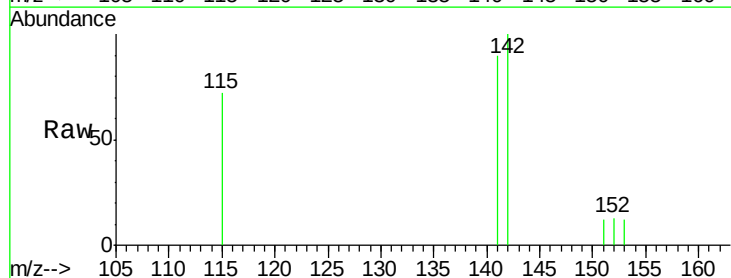
Acq: 24 Apr 2017 16:51

Tgt Ion:142 Resp: 625

Ion Ratio Lower Upper

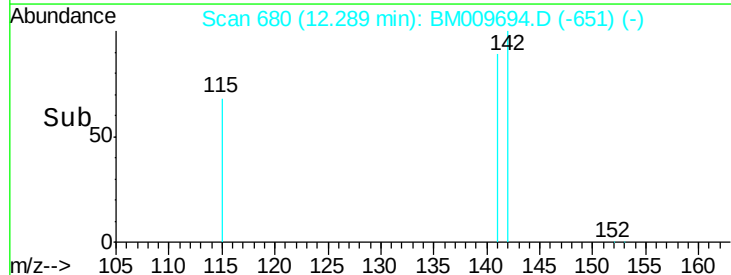
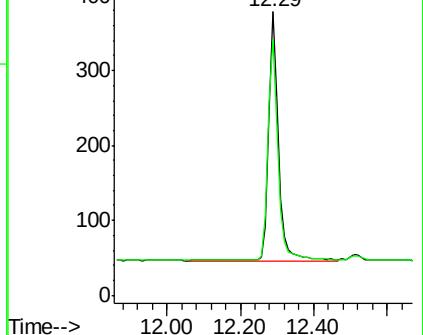
142 100

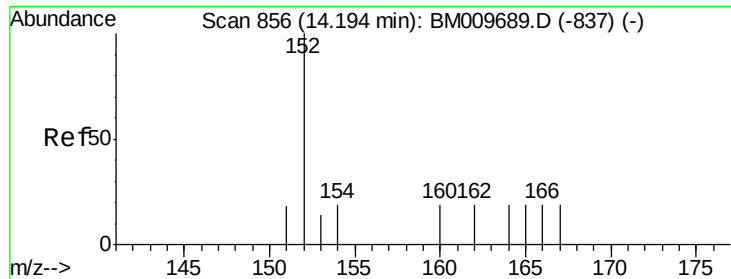
141 89.1 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.50 ng/ul

RT: 14.19 min Scan# 856

Delta R.T. 0.00 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

Instrument :

BNA_M

ClientSampleId :

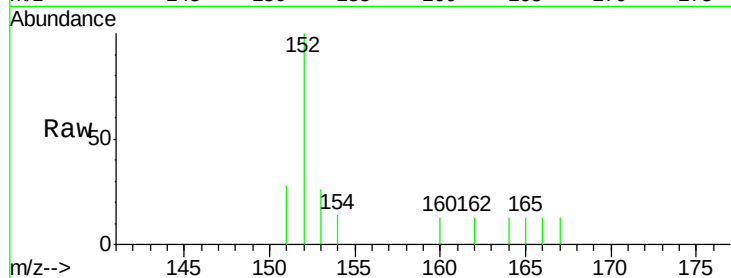
Tot Ion:152 Resp: 573

Ion Ratio Lower Upper

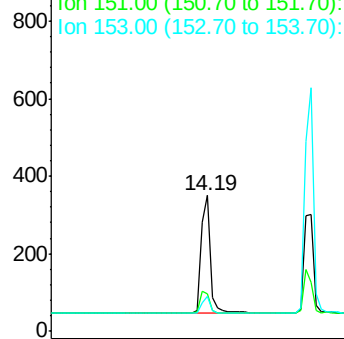
152 100

151 27.7 17.1 25.7#

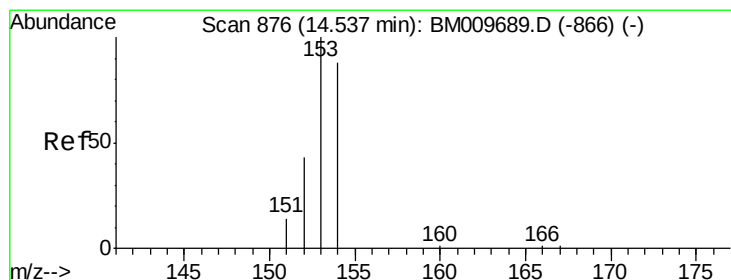
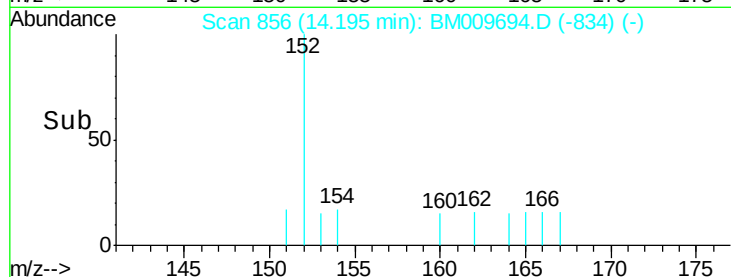
153 26.0 12.8 19.2#



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



Time-->



#8

Acenaphthene

Concen: 1.25 ng/ul

RT: 14.54 min Scan# 876

Delta R.T. 0.00 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

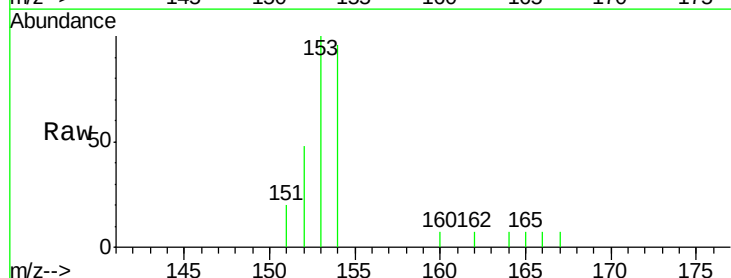
Tgt Ion:153 Resp: 1139

Ion Ratio Lower Upper

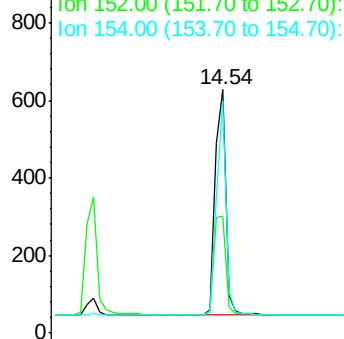
153 100

152 48.1 40.3 60.5

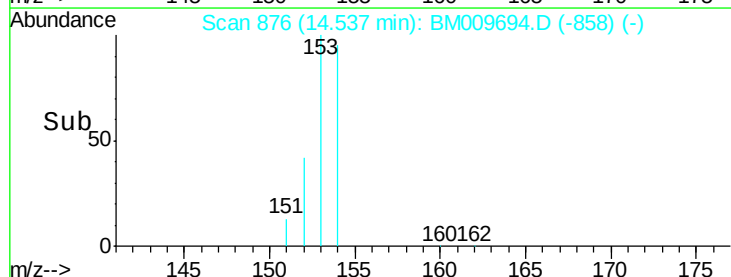
154 95.5 71.4 107.2

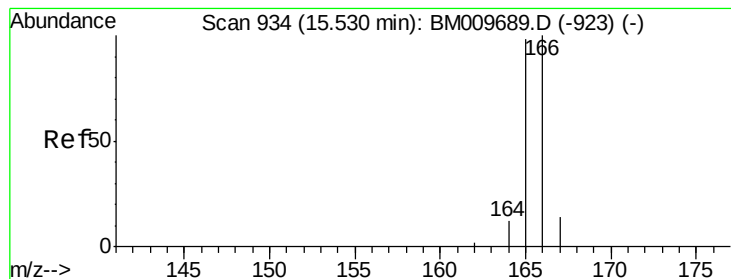


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time-->





#9

Fluorene

Concen: 0.02 ng/ul

RT: 15.55 min Scan# 935

Delta R.T. 0.02 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

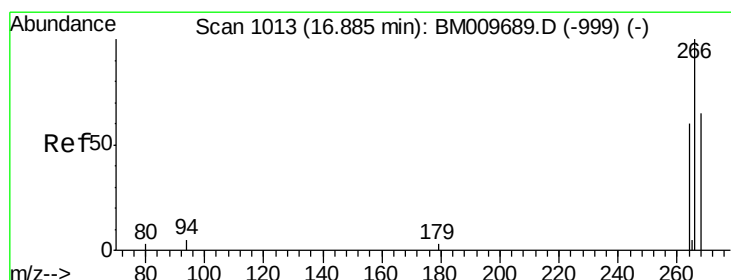
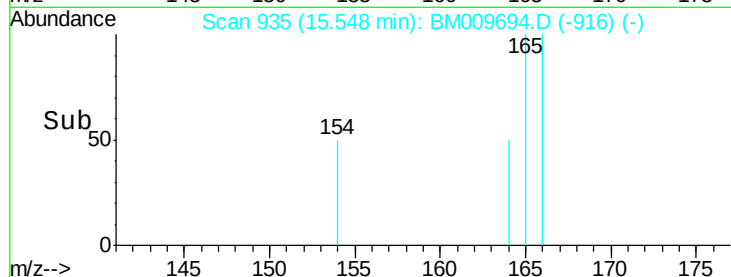
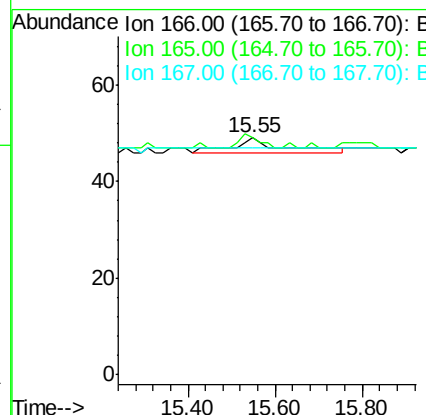
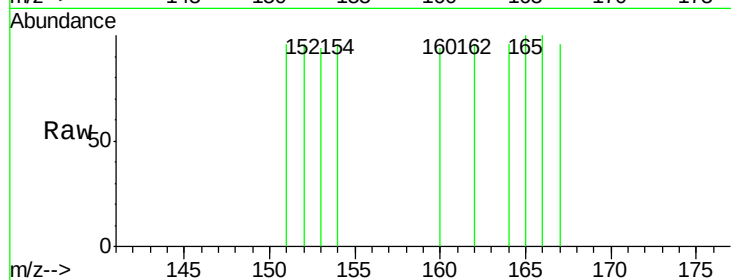
Instrument :

BNA_M

ClientSampleId :

Tot Ion:166 Resp: 25

Ion	Ratio	Lower	Upper
166	100		
165	100.0	73.4	110.2
167	95.9	14.6	22.0#



#11

Pentachlorophenol

Concen: 1.13 ng/ul

RT: 16.88 min Scan# 1013

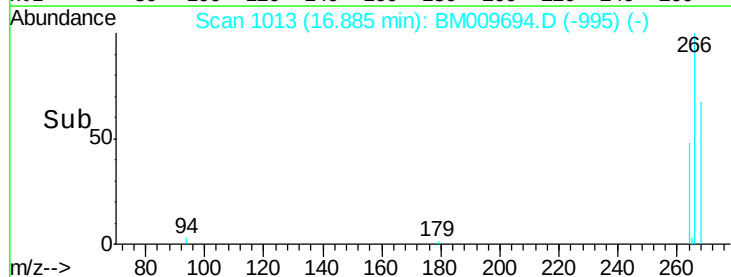
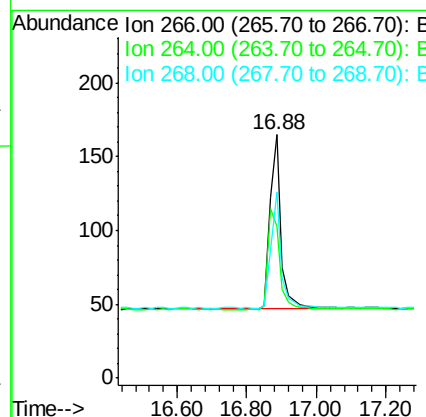
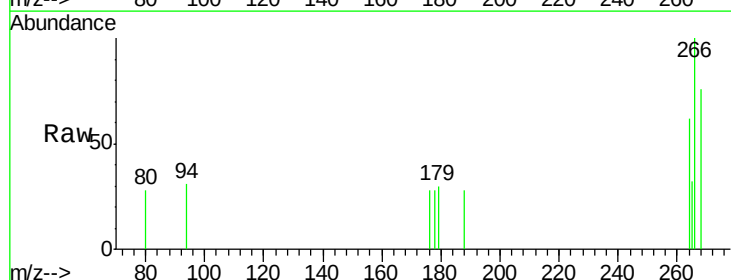
Delta R.T. 0.00 min

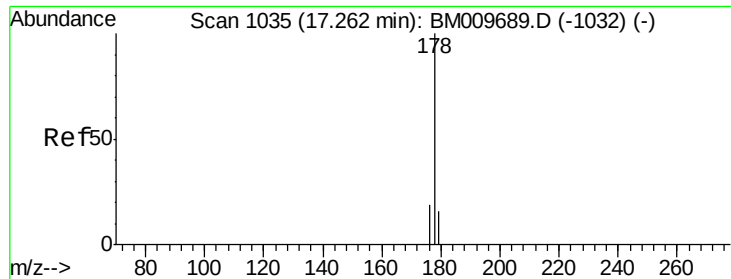
Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

Tgt Ion:266 Resp: 255

Ion	Ratio	Lower	Upper
266	100		
264	66.3	47.9	71.9
268	66.7	49.8	74.8





#12

Phenanthrene

Concen: 0.59 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. 0.00 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

Instrument :

BNA_M

ClientSampleId :

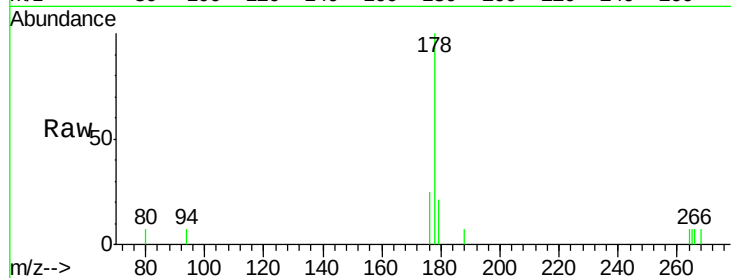
Tot Ion:178 Resp: 1026

Ion Ratio Lower Upper

178 100

176 24.5 18.4 27.6

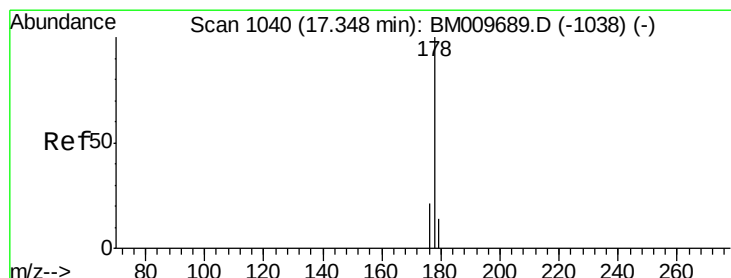
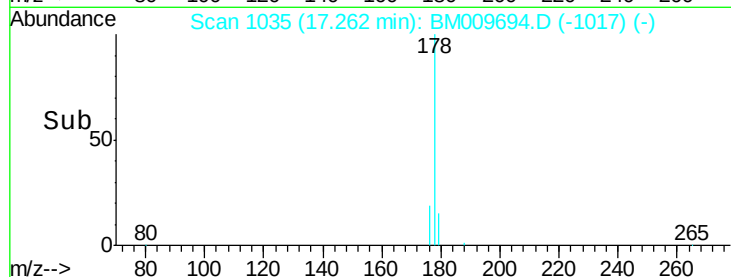
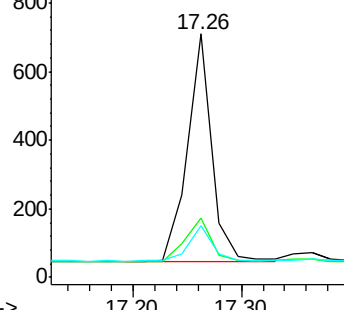
179 21.1 13.6 20.4#



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: 0.59 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. -0.09 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

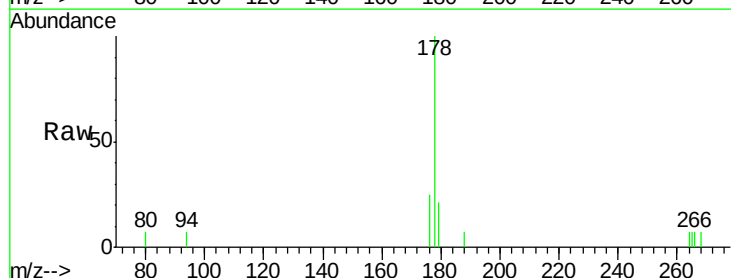
Tgt Ion:178 Resp: 1026

Ion Ratio Lower Upper

178 100

176 24.5 18.1 27.1

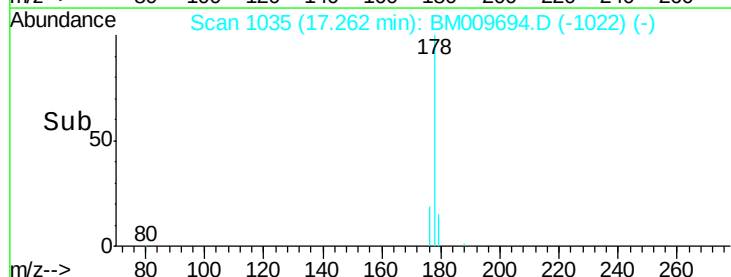
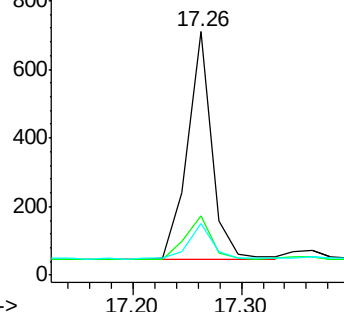
179 21.1 14.7 22.1

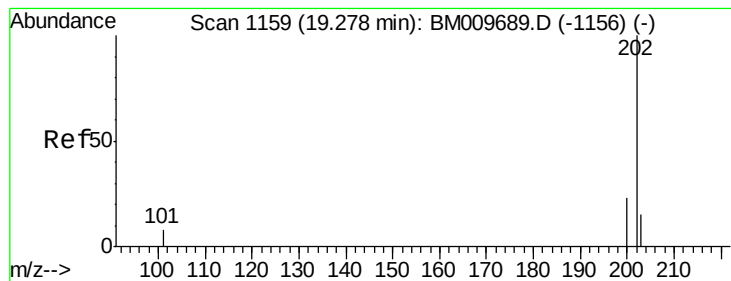


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.94 ng/ul

RT: 19.28 min Scan# 1159

Delta R.T. 0.00 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

Instrument :

BNA_M

ClientSampleId :

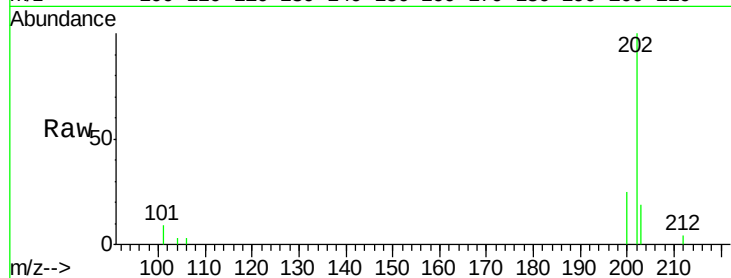
Tot Ion:202 Resp: 2154

Ion Ratio Lower Upper

202 100

101 9.2 0.0 30.3

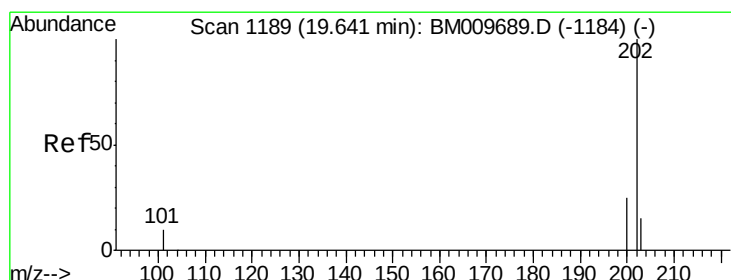
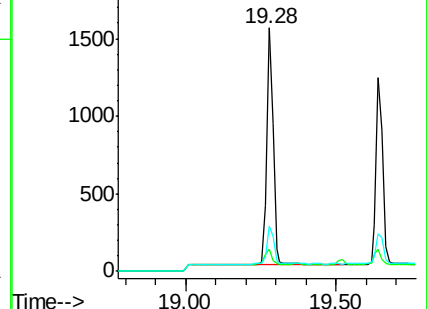
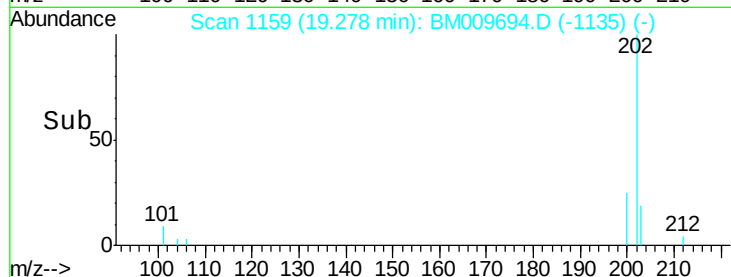
203 18.8 0.0 39.5



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: 0.79 ng/ul

RT: 19.64 min Scan# 1189

Delta R.T. 0.00 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

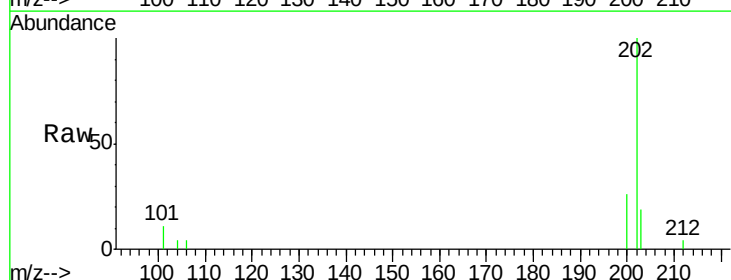
Tgt Ion:202 Resp: 1807

Ion Ratio Lower Upper

202 100

200 26.4 18.2 27.4

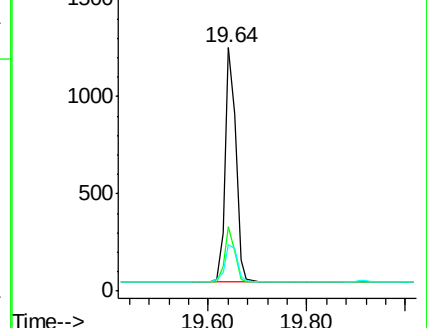
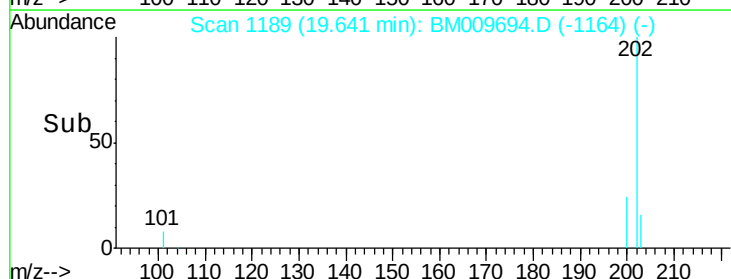
203 19.1 15.6 23.4

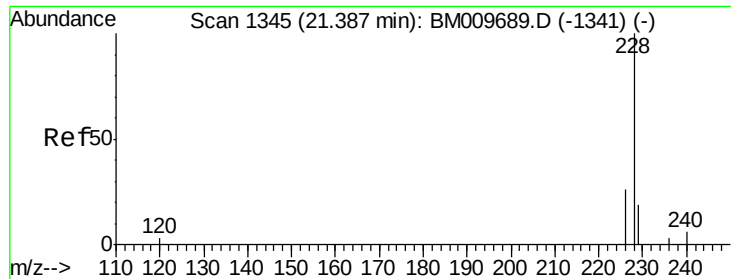


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.51 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

Instrument :

BNA_M

ClientSampleId :

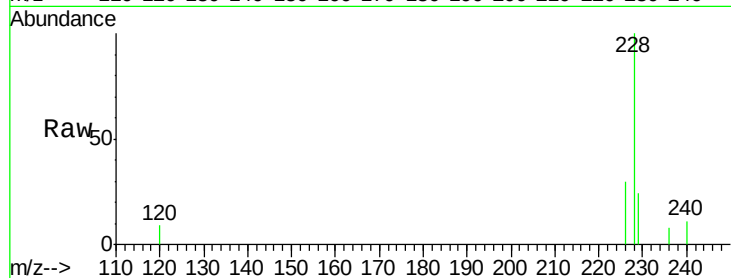
Tot Ion:228 Resp: 1174

Ion Ratio Lower Upper

228 100

226 29.7 22.8 34.2

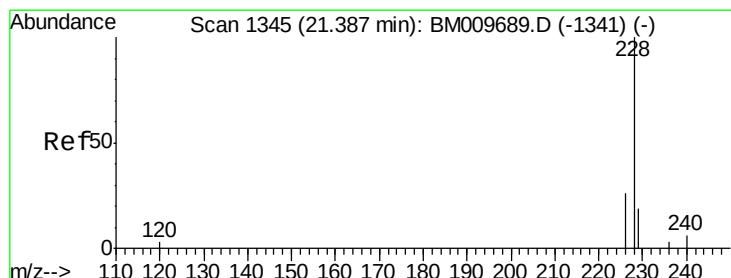
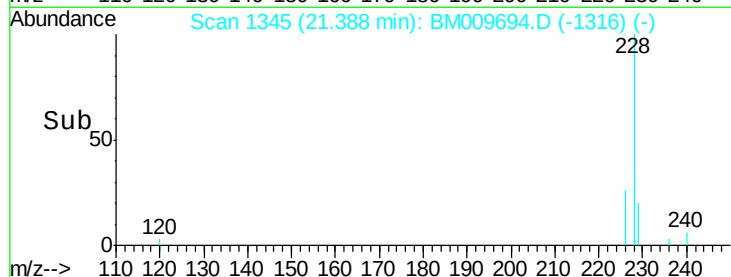
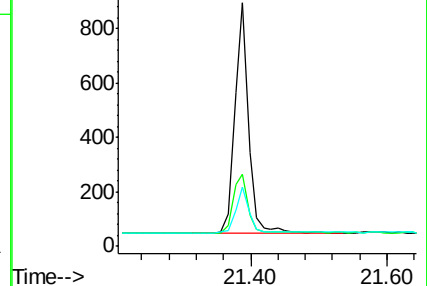
229 24.1 17.0 25.6



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: 0.54 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. -0.05 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

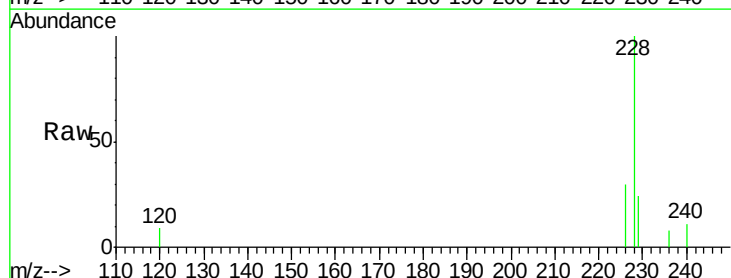
Tgt Ion:228 Resp: 1174

Ion Ratio Lower Upper

228 100

226 29.7 23.4 35.0

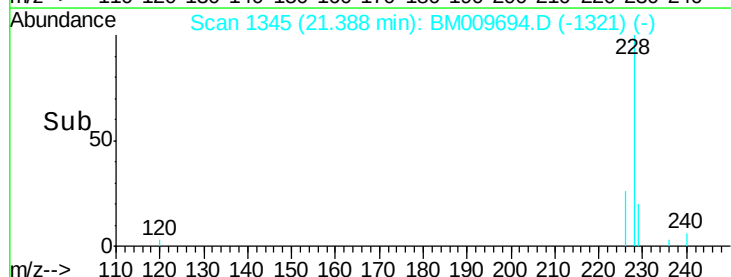
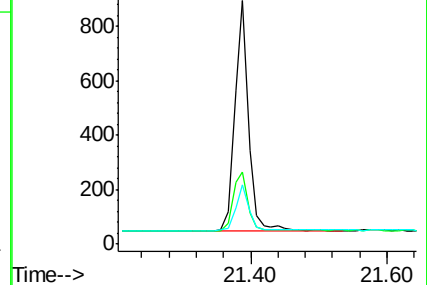
229 24.1 17.7 26.5

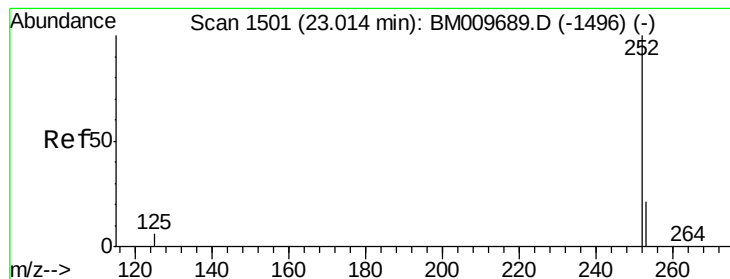


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.76 ng/ul

RT: 23.01 min Scan# 1501

Delta R.T. 0.00 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

Instrument :

BNA_M

ClientSampleId :

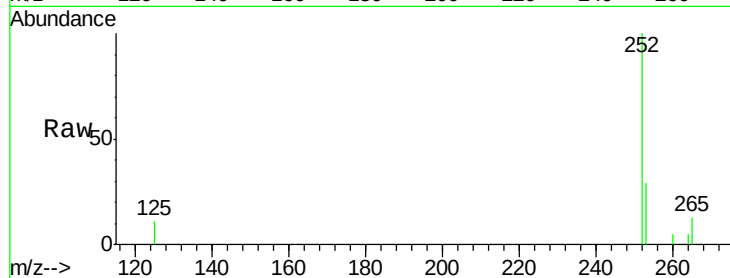
Tot Ion:252 Resp: 1998

Ion Ratio Lower Upper

252 100

253 29.4 0.0 64.2

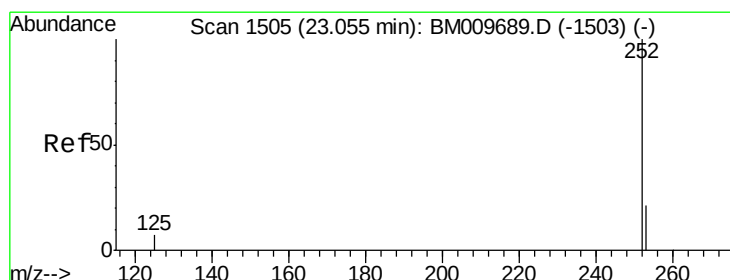
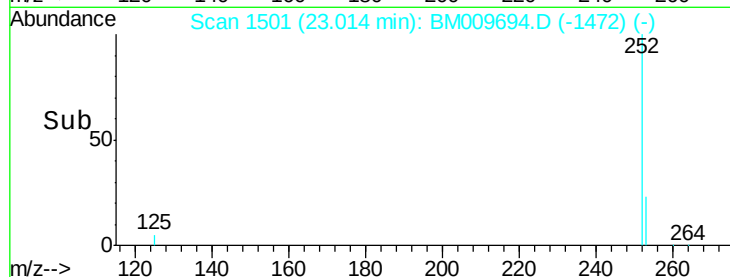
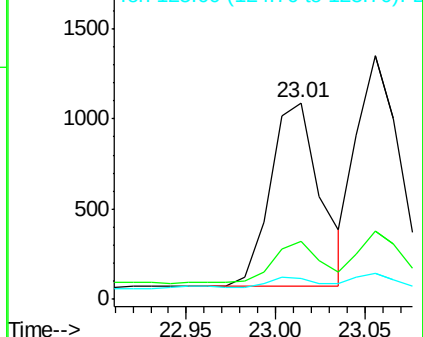
125 10.7 0.0 35.0



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: 0.85 ng/ul

RT: 23.06 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

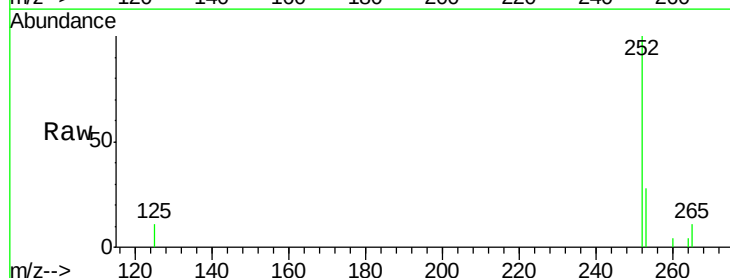
Tgt Ion:252 Resp: 2144

Ion Ratio Lower Upper

252 100

253 27.9 24.5 36.7

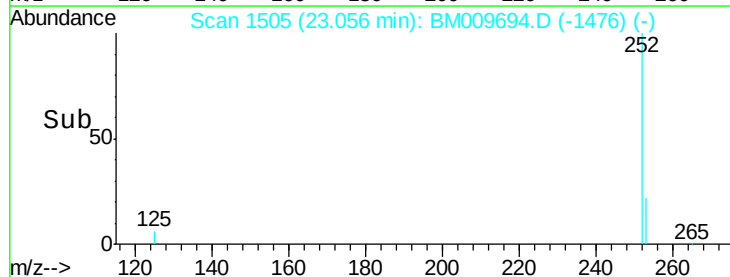
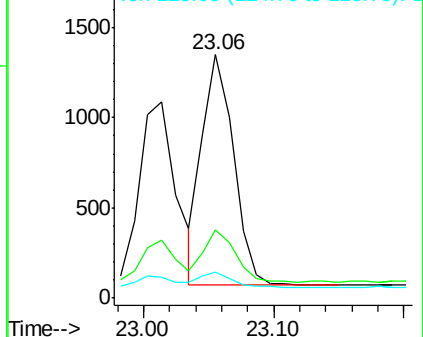
125 10.7 13.7 20.5#

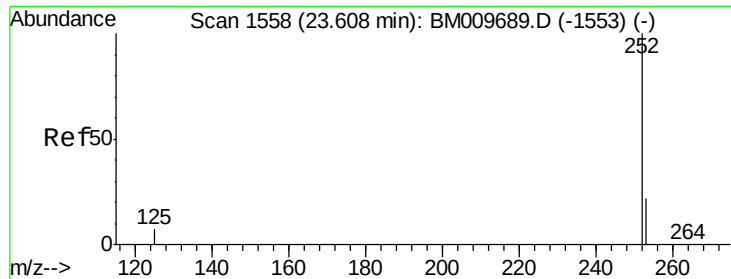


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.48 ng/ul

RT: 23.61 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

Instrument :

BNA_M

ClientSampleId :

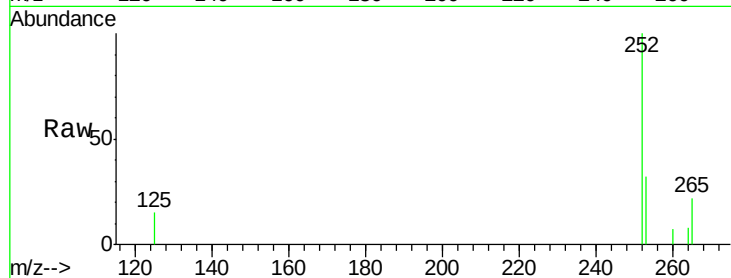
Tot Ion:252 Resp: 1226

Ion Ratio Lower Upper

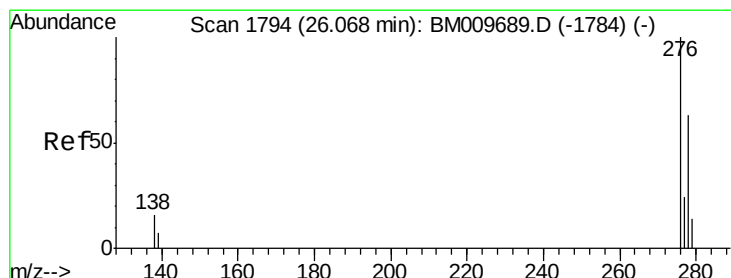
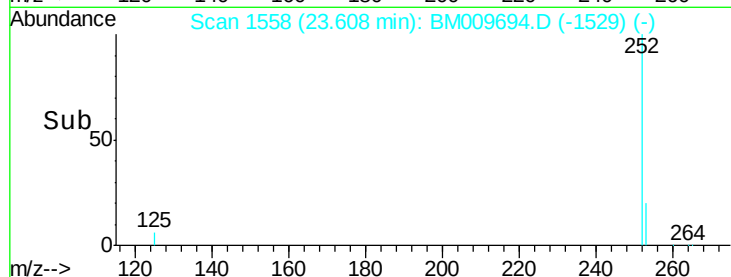
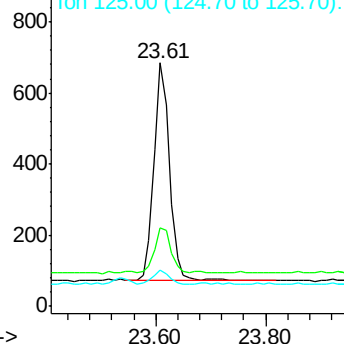
252 100

253 32.1 28.5 42.7

125 14.7 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: 0.76 ng/ul

RT: 26.07 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BM009694.D

Acq: 24 Apr 2017 16:51

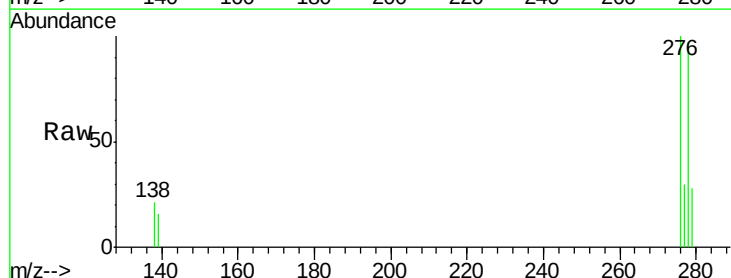
Tgt Ion:276 Resp: 2208

Ion Ratio Lower Upper

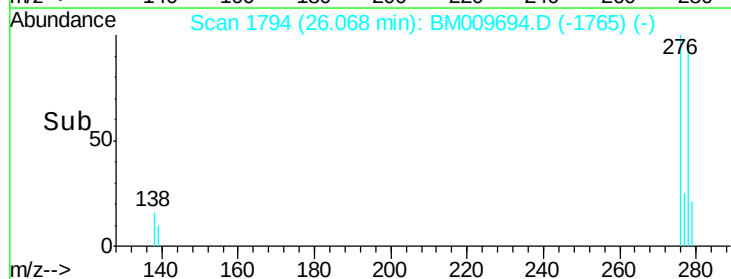
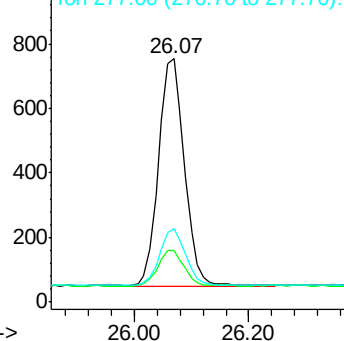
276 100

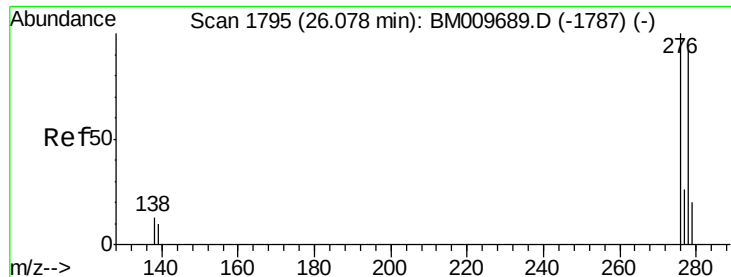
138 15.8 19.1 28.7#

277 24.6 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



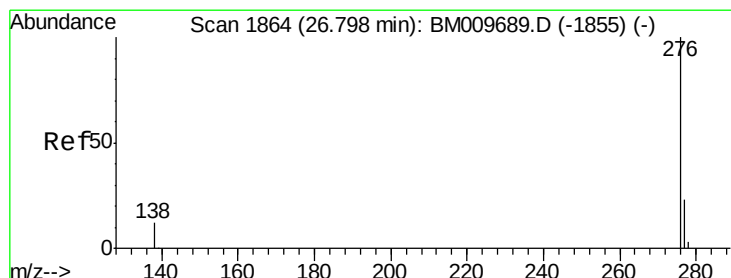
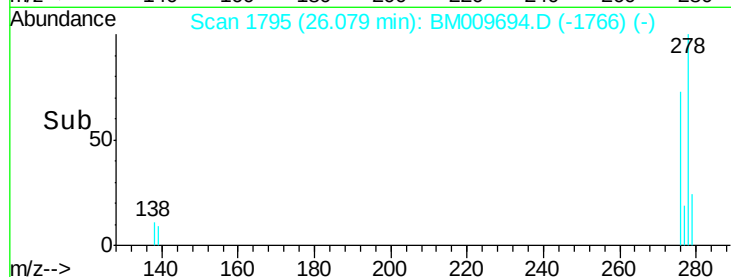
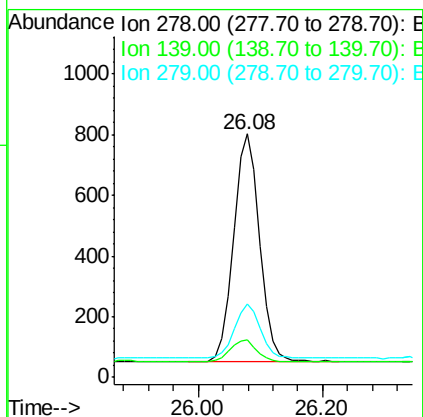
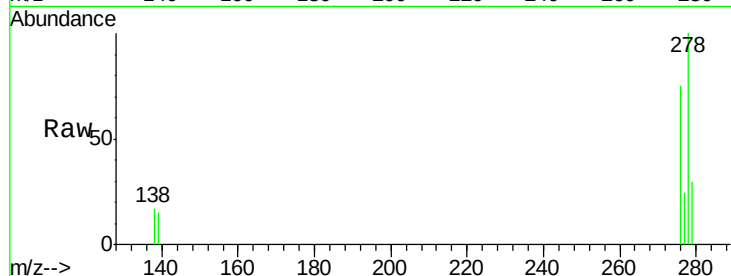


#25
Dibenzo(a,h)anthracene
Concen: 0.92 ng/ul
RT: 26.08 min Scan# 1795
Delta R.T. 0.00 min
Lab File: BM009694.D
Acq: 24 Apr 2017 16:51

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 2219

Ion	Ratio	Lower	Upper
278	100		
139	15.3	17.4	26.0#
279	30.0	25.9	38.9



#26
Benzo(g,h,i)perylene
Concen: 0.94 ng/ul
RT: 26.79 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BM009694.D
Acq: 24 Apr 2017 16:51

Tgt Ion:276 Resp: 2347

Ion	Ratio	Lower	Upper
276	100		
277	28.8	21.8	32.8
138	17.7	20.5	30.7#

