

Data Path : Z:\HPCHEM1\BNA M\DATA\BM042417\
 Data File : BM009698.D
 Acq On : 24 Apr 2017 19:53
 Operator : SJ/MA
 Sample : SSTDCCC0.4EC
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Apr 25 04:30:45 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

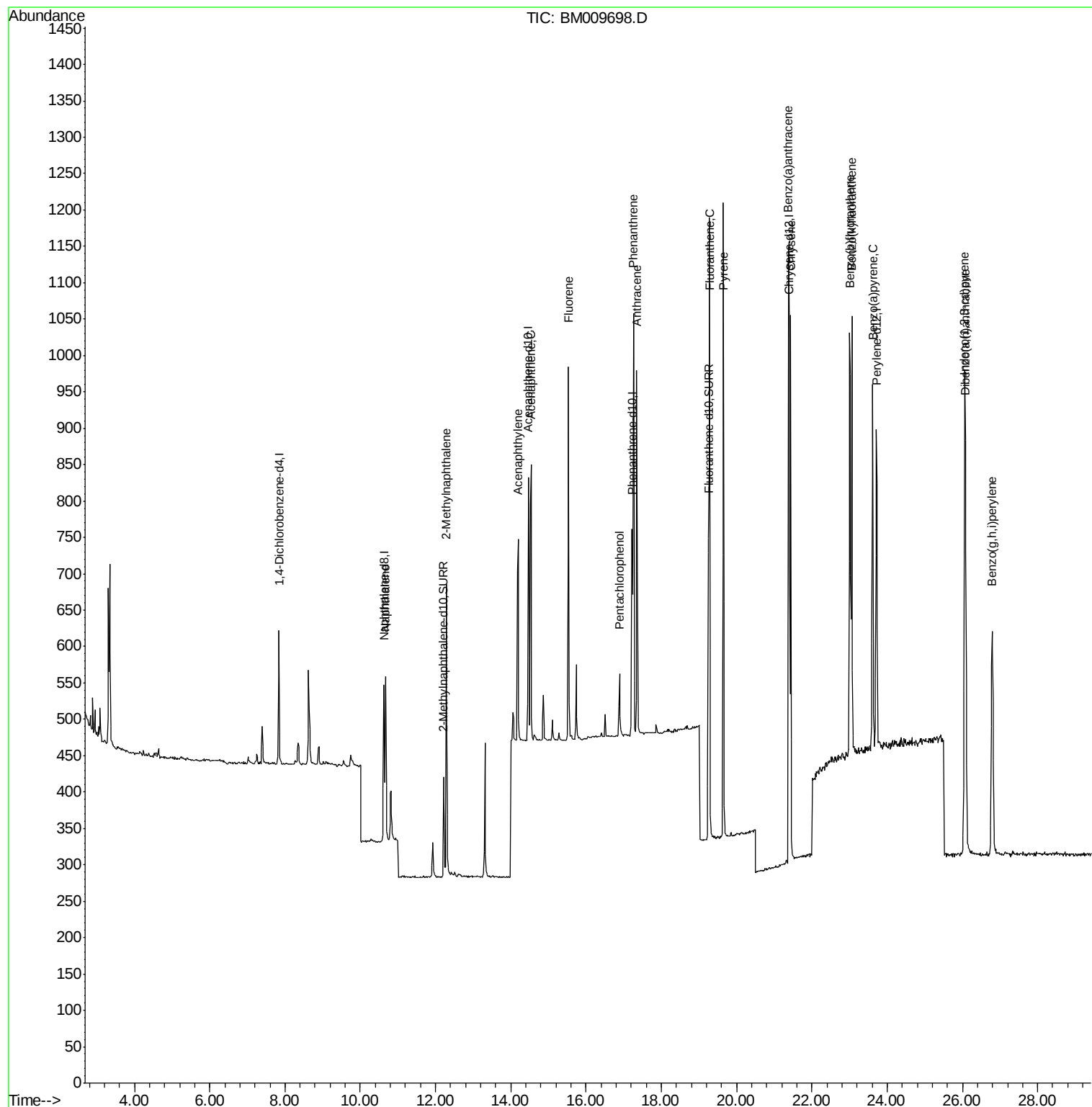
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	99	0.40	ng/ul	0.00
2) Naphthalene-d8	10.63	136	339	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.47	164	207	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.23	188	514	0.40	ng/ul	0.00
16) Chrysene-d12	21.40	240	579	0.40	ng/ul	0.00
20) Perylene-d12	23.72	264	603	0.40	ng/ul	0.00
System Monitoring Compounds						
4) 2-Methylnaphthalene-d10	12.22	152	213	0.41	ng/ul	0.00
14) Fluoranthene-d10	19.26	212	596	0.39	ng/ul	0.00
Target Compounds				Ovalue		
3) Naphthalene	10.67	128	356	0.39	ng/ul#	61
5) 2-Methylnaphthalene	12.29	142	273	0.41	ng/ul	97
7) Acenaphthylene	14.19	152	439	0.44	ng/ul#	72
8) Acenaphthene	14.54	153	329	0.41	ng/ul	94
9) Fluorene	15.53	166	379	0.40	ng/ul#	92
11) Pentachlorophenol	16.88	266	74	0.37	ng/ul#	76
12) Phenanthrene	17.26	178	640	0.42	ng/ul#	89
13) Anthracene	17.35	178	624	0.41	ng/ul#	87
15) Fluoranthene	19.28	202	1022	0.51	ng/ul	94
17) Pyrene	19.65	202	836	0.43	ng/ul#	91
18) Benzo(a)anthracene	21.38	228	789	0.41	ng/ul#	89
19) Chrysene	21.43	228	748	0.41	ng/ul#	85
21) Benzo(b)fluoranthene	23.01	252	914	0.44	ng/ul	97
22) Benzo(k)fluoranthene	23.06	252	781	0.39	ng/ul	92
23) Benzo(a)pyrene	23.61	252	817	0.41	ng/ul#	95
24) Indeno(1,2,3-cd)pyrene	26.06	276	911	0.40	ng/ul#	90
25) Dibenzo(a,h)anthracene	26.08	278	722	0.38	ng/ul#	86
26) Benzo(a,h,i)perylene	26.79	276	754	0.38	ng/ul#	88

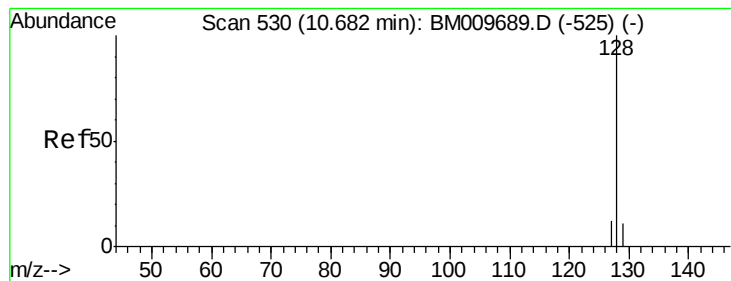
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 0.39 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.01 min

Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

Instrument :

BNA_M

ClientSampleId :

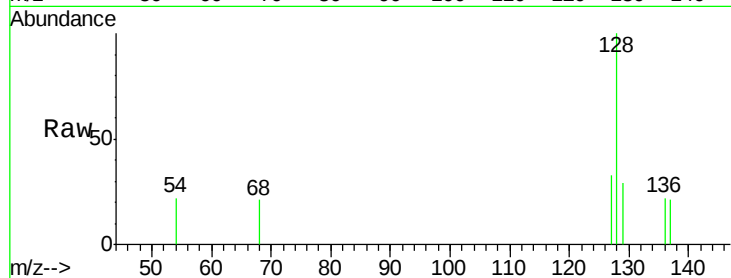
Tot Ion:128 Resp: 356

Ion Ratio Lower Upper

128 100

129 29.1 11.3 16.9#

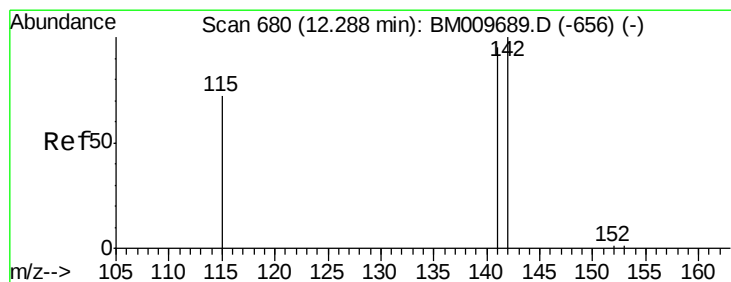
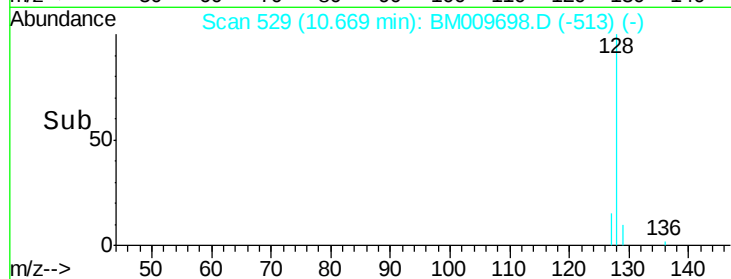
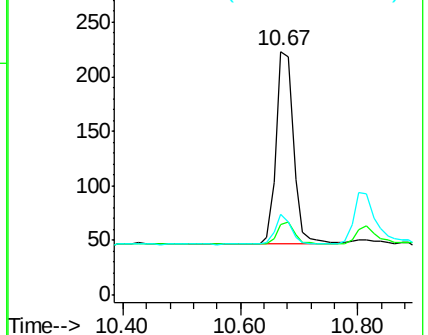
127 33.2 12.8 19.2#



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: 0.41 ng/ul

RT: 12.29 min Scan# 680

Delta R.T. -0.00 min

Lab File: BM009698.D

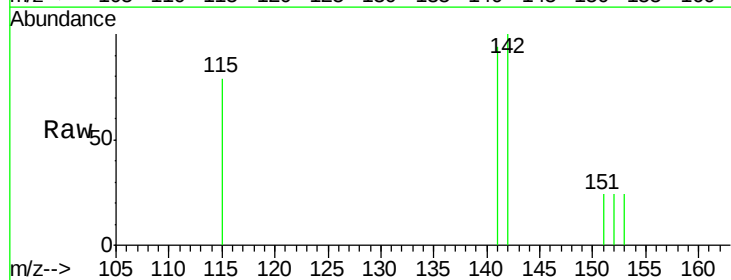
Acq: 24 Apr 2017 19:53

Tgt Ion:142 Resp: 273

Ion Ratio Lower Upper

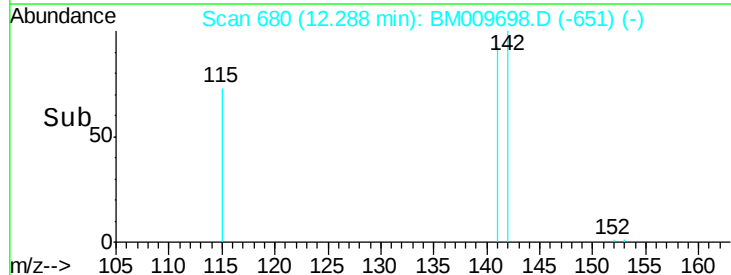
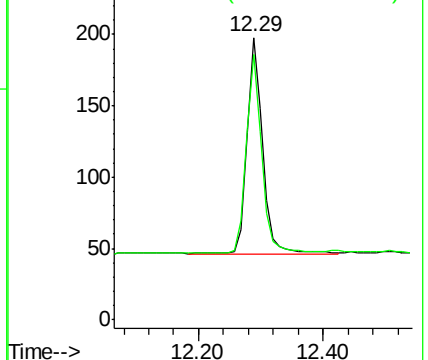
142 100

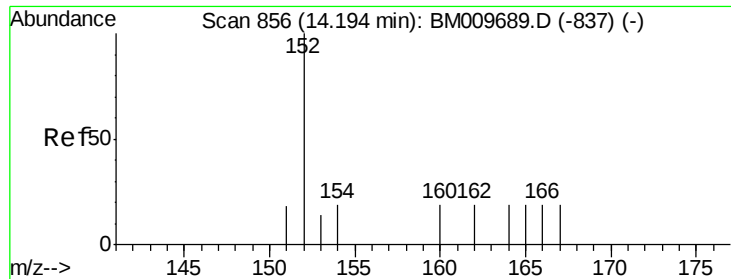
141 87.9 72.6 108.8



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#7

Acenaphthylene

Concen: 0.44 ng/ul

RT: 14.19 min Scan# 856

Delta R.T. -0.00 min

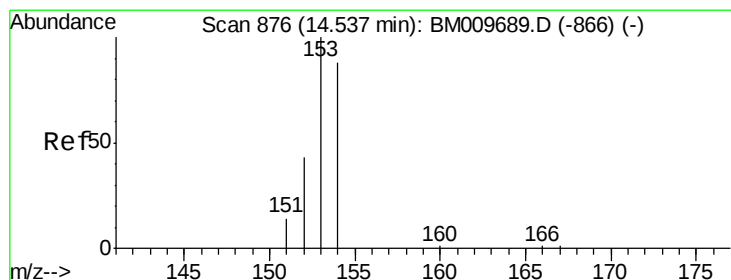
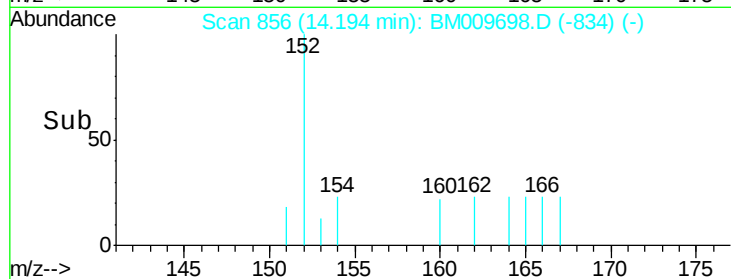
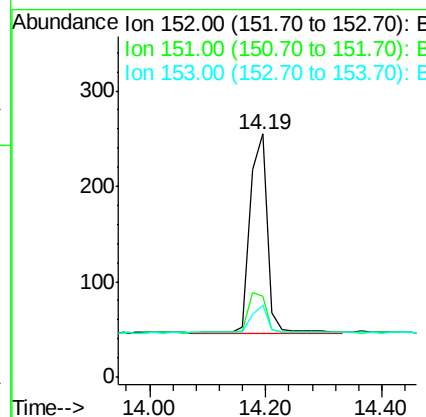
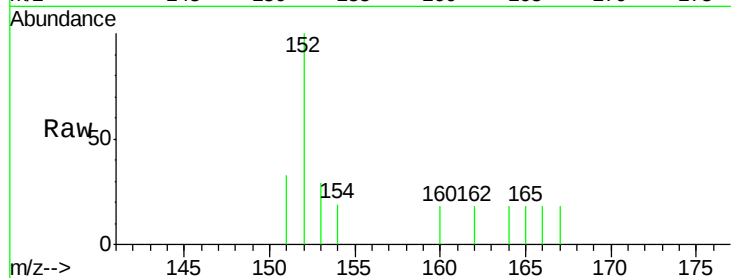
Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

Instrument :
BNA_M
ClientSampleId :

Tot Ion:152 Resp: 439

Ion	Ratio	Lower	Upper
152	100		
151	32.9	17.1	25.7#
153	29.4	12.8	19.2#



#8

Acenaphthene

Concen: 0.41 ng/ul

RT: 14.54 min Scan# 876

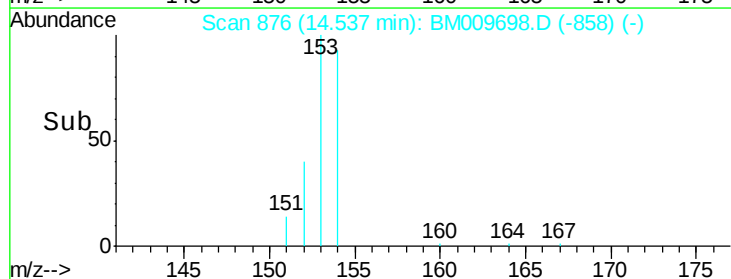
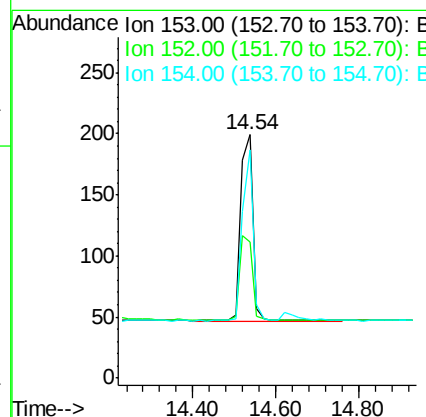
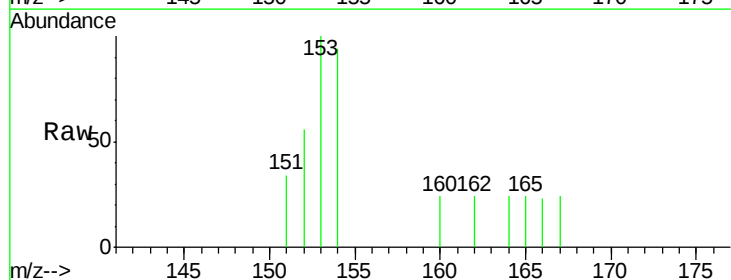
Delta R.T. -0.00 min

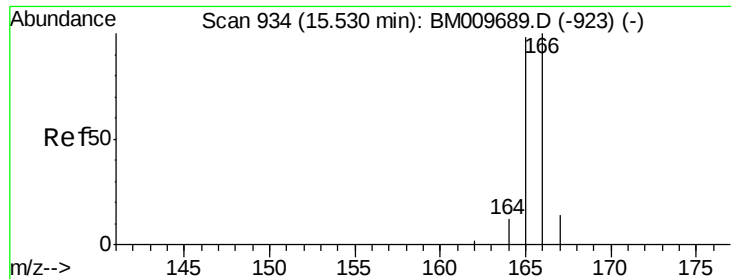
Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

Tgt Ion:153 Resp: 329

Ion	Ratio	Lower	Upper
153	100		
152	55.8	40.3	60.5
154	94.0	71.4	107.2

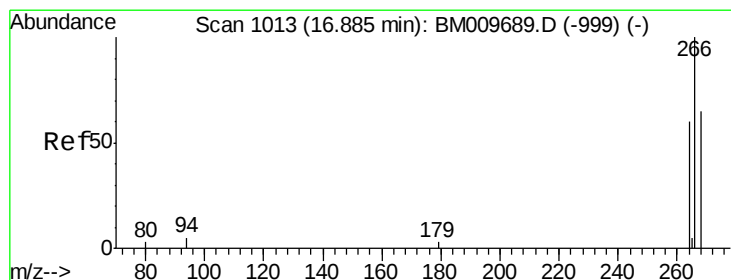
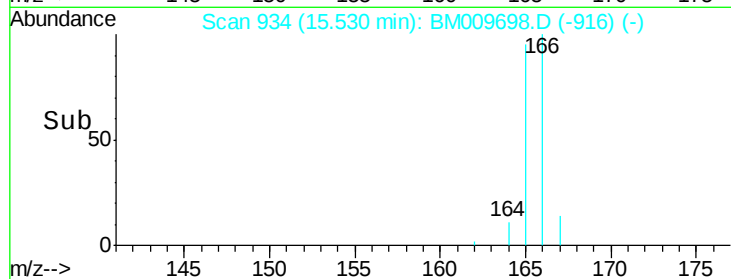
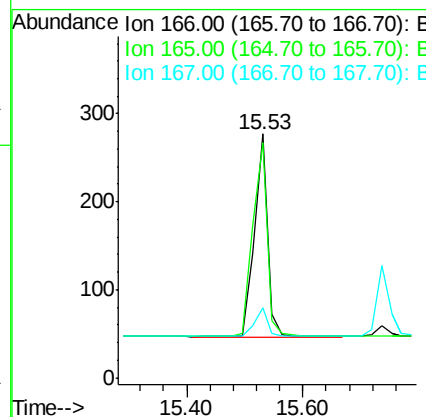
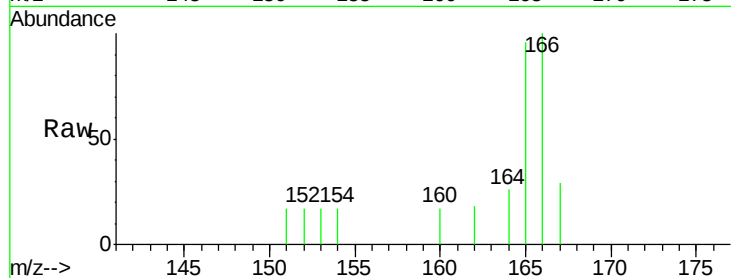




#9
Fluorene
 Concen: 0.40 ng/ul
 RT: 15.53 min Scan# 934
 Delta R.T. -0.00 min
 Lab File: BM009698.D
 Acq: 24 Apr 2017 19:53

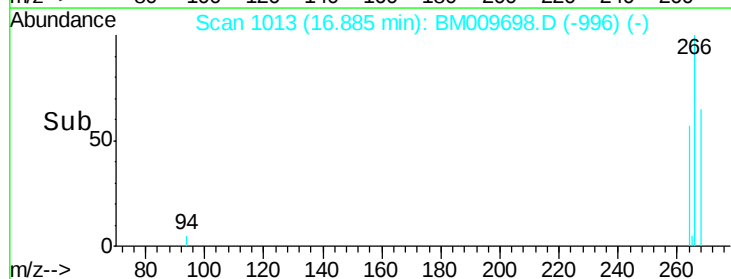
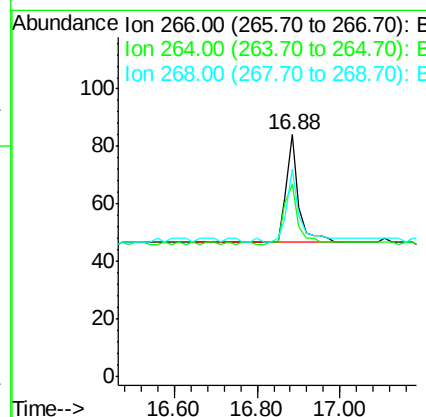
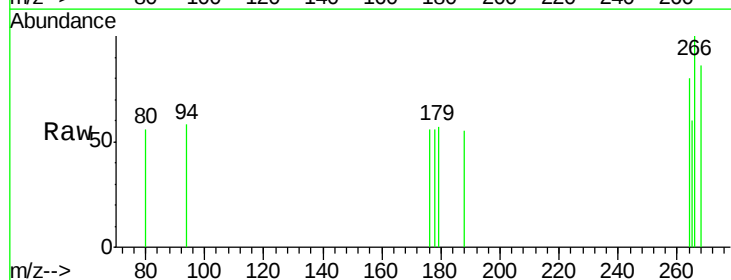
Instrument :
 BNA_M
 ClientSampleId :

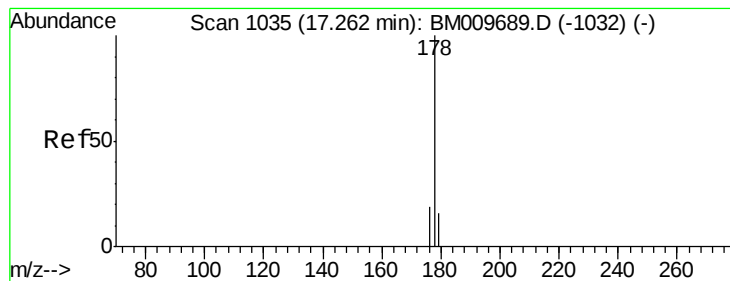
Tot Ion:166 Resp: 379
 Ion Ratio Lower Upper
 166 100
 165 96.4 73.4 110.2
 167 28.5 14.6 22.0#



#11
Pentachlorophenol
 Concen: 0.37 ng/ul
 RT: 16.88 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: BM009698.D
 Acq: 24 Apr 2017 19:53

Tgt Ion:266 Resp: 74
 Ion Ratio Lower Upper
 266 100
 264 78.4 47.9 71.9#
 268 81.1 49.8 74.8#





#12

Phenanthrene

Concen: 0.42 ng/ul

RT: 17.26 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

Instrument :

BNA_M

ClientSampleId :

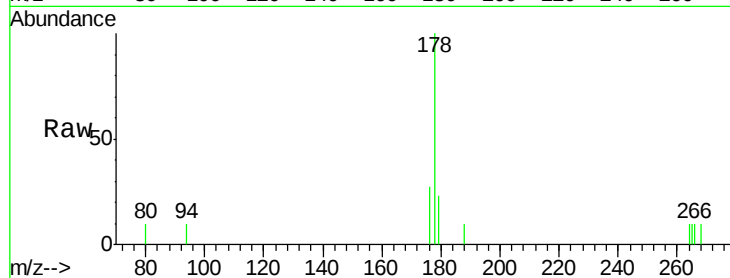
Tot Ion:178 Resp: 640

Ion Ratio Lower Upper

178 100

176 27.0 18.4 27.6

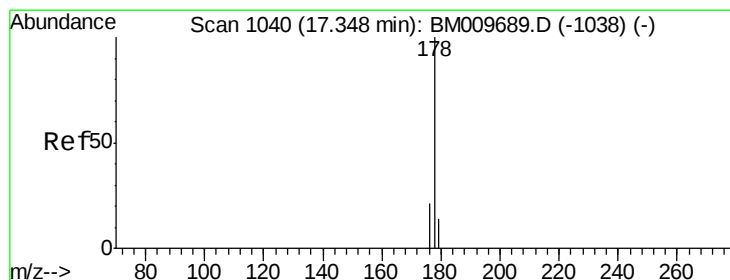
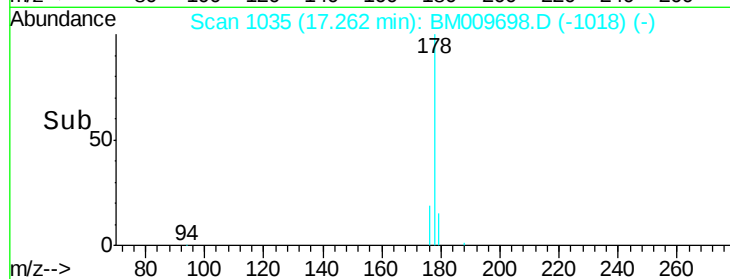
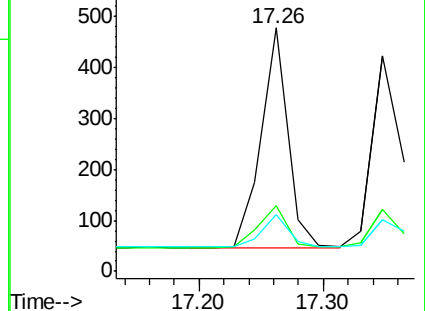
179 23.4 13.6 20.4#



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: 0.41 ng/ul

RT: 17.35 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

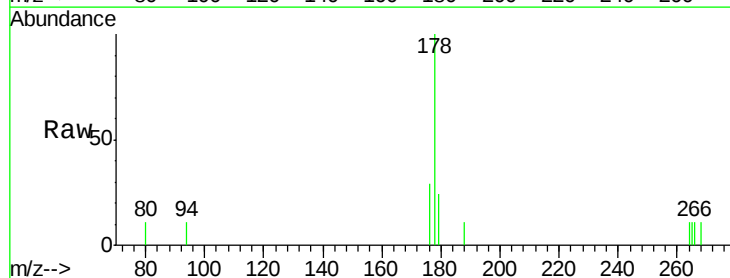
Tgt Ion:178 Resp: 624

Ion Ratio Lower Upper

178 100

176 28.7 18.1 27.1#

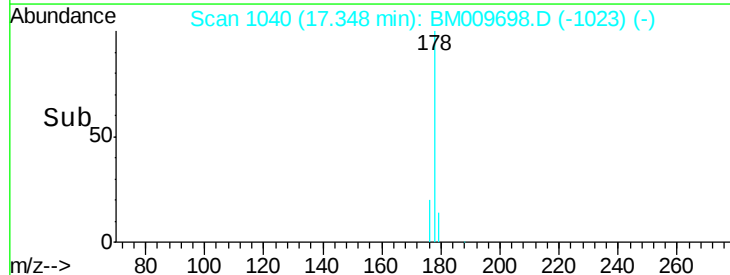
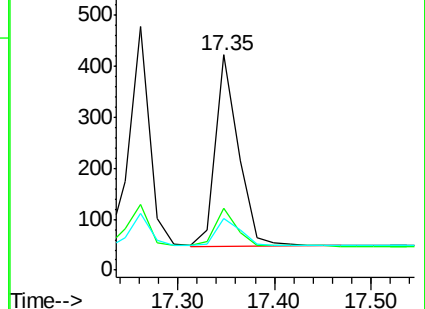
179 23.9 14.7 22.1#

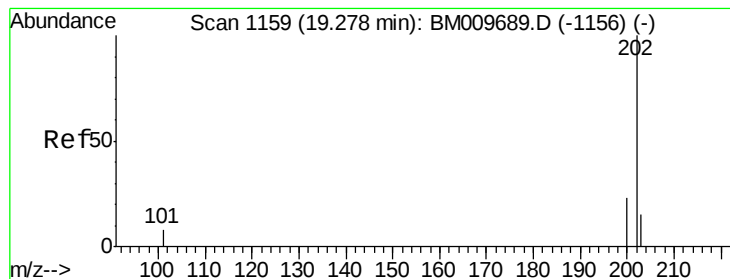


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#15

Fluoranthene

Concen: 0.51 ng/ul

RT: 19.28 min Scan# 1159

Delta R.T. 0.01 min

Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

Instrument :

BNA_M

ClientSampleId :

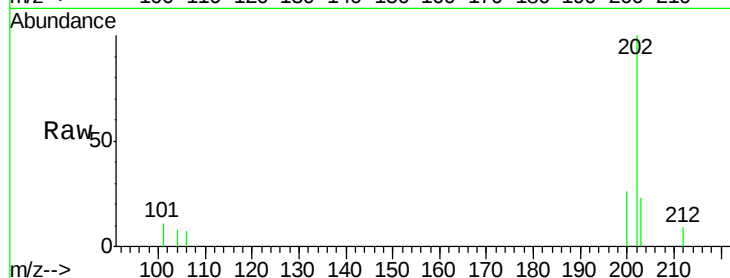
Tot Ion:202 Resp: 1022

Ion Ratio Lower Upper

202 100

101 11.4 0.0 30.3

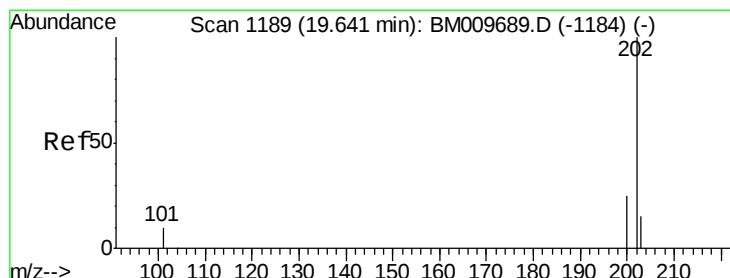
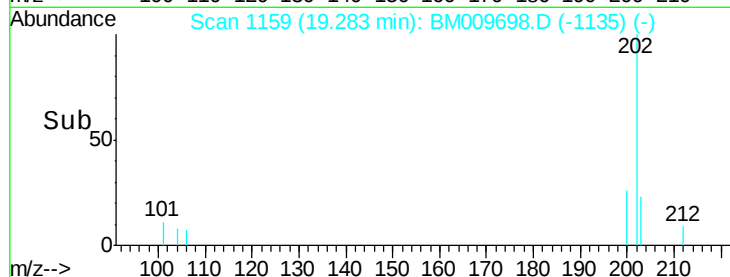
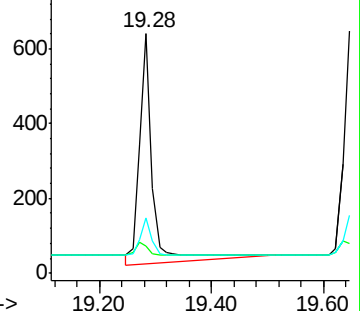
203 23.1 0.0 39.5



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: 0.43 ng/ul

RT: 19.65 min Scan# 1189

Delta R.T. 0.01 min

Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

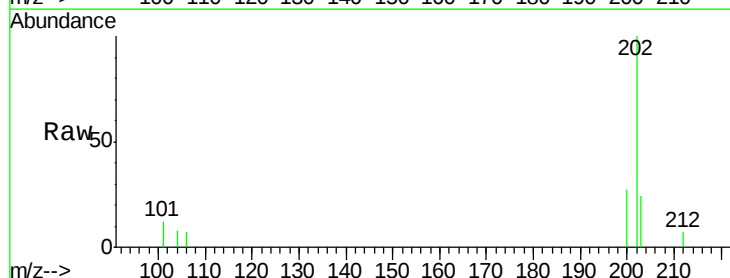
Tgt Ion:202 Resp: 836

Ion Ratio Lower Upper

202 100

200 26.7 18.2 27.4

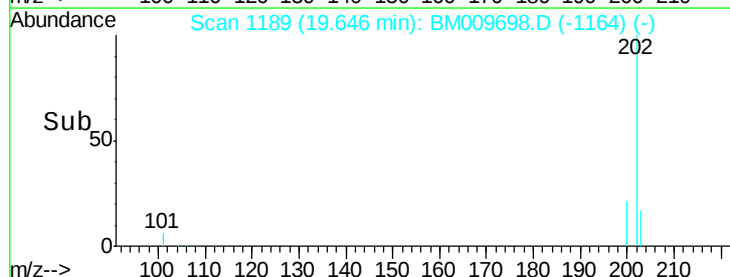
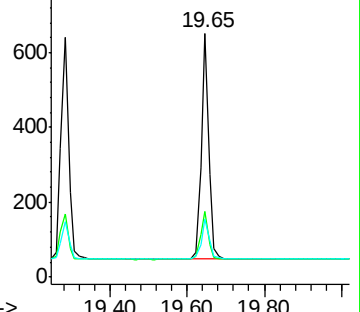
203 23.7 15.6 23.4#

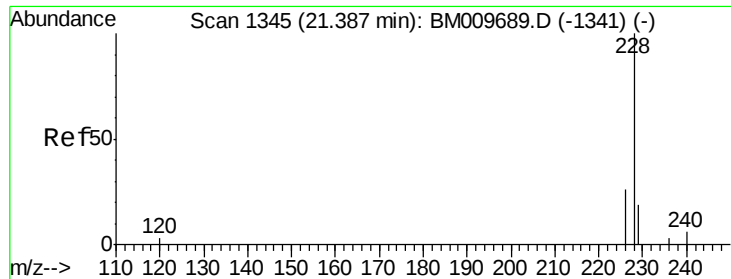


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#18

Benzo(a)anthracene

Concen: 0.41 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.01 min

Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

Instrument :

BNA_M

ClientSampleId :

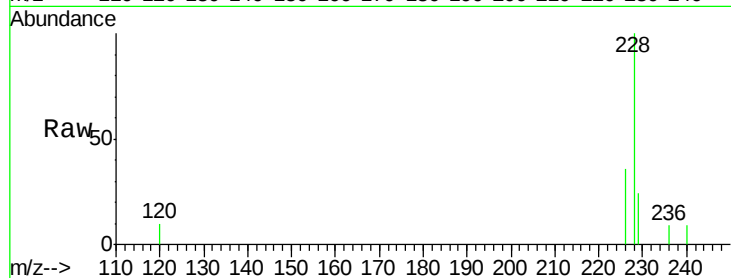
Tot Ion:228 Resp: 789

Ion Ratio Lower Upper

228 100

226 35.7 22.8 34.2#

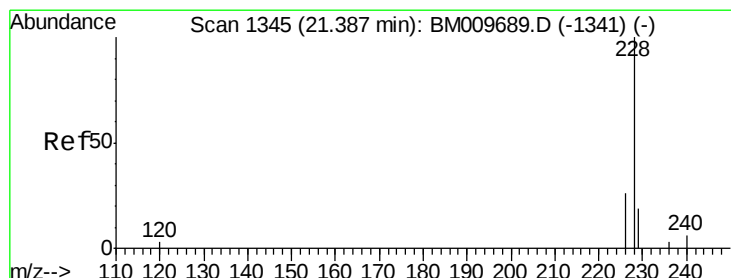
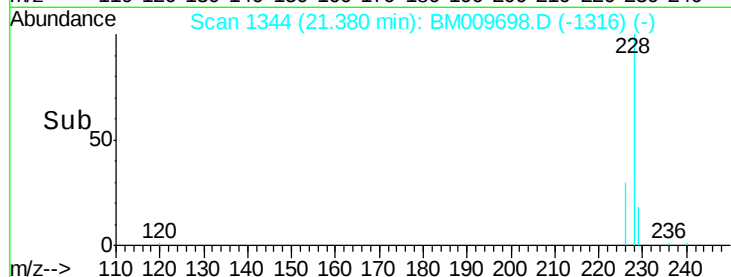
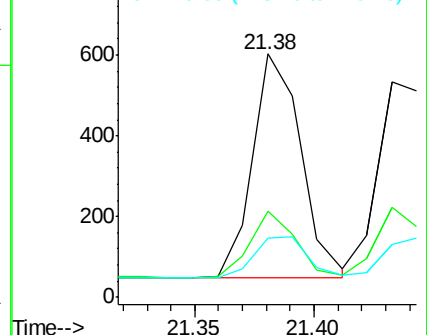
229 24.4 17.0 25.6



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: 0.41 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.01 min

Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

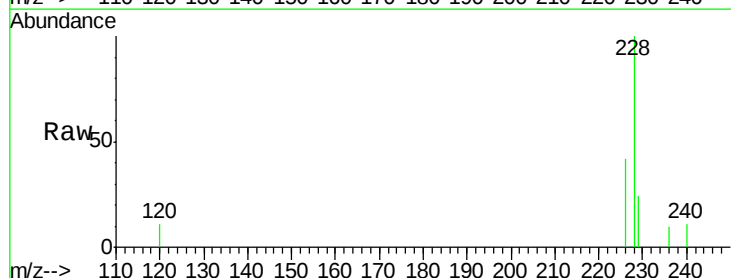
Tgt Ion:228 Resp: 748

Ion Ratio Lower Upper

228 100

226 41.7 23.4 35.0#

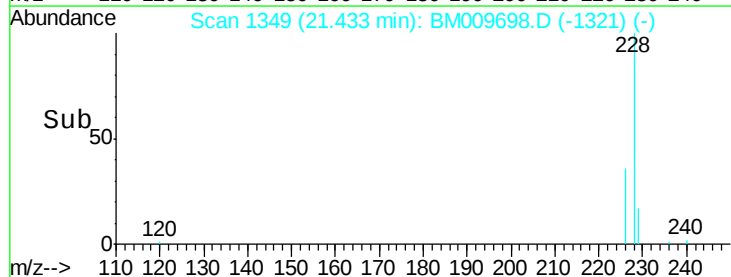
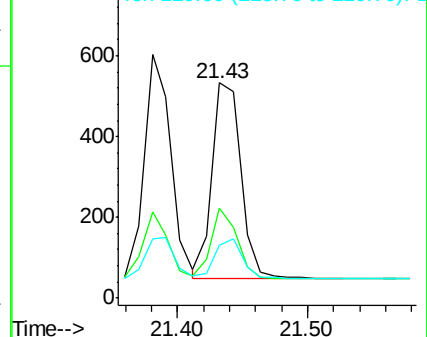
229 24.4 17.7 26.5

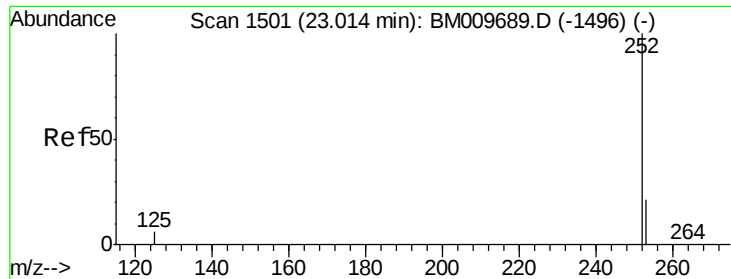


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Benzo(b)fluoranthene

Concen: 0.44 ng/ul

RT: 23.01 min Scan# 1500

Delta R.T. -0.01 min

Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

Instrument :

BNA_M

ClientSampleId :

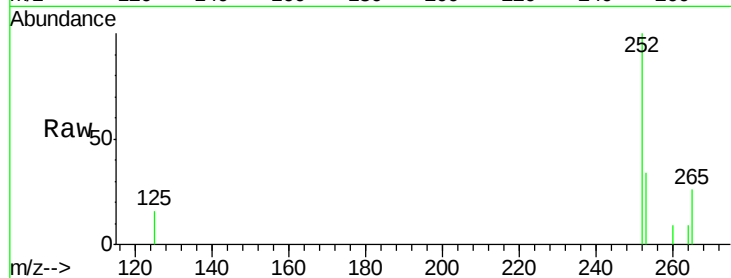
Tot Ion:252 Resp: 914

Ion Ratio Lower Upper

252 100

253 33.6 0.0 64.2

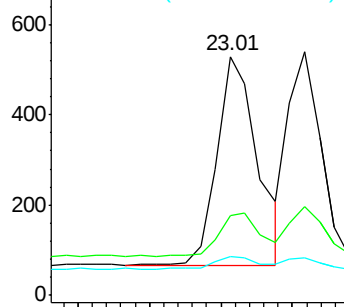
125 16.4 0.0 35.0



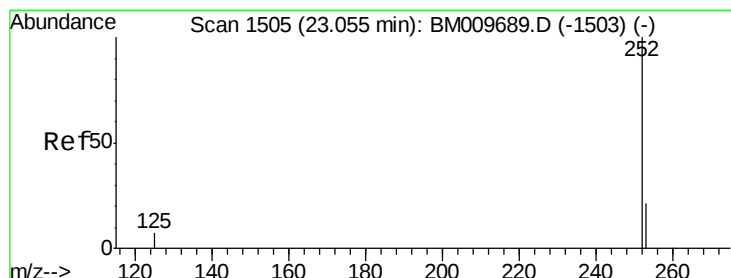
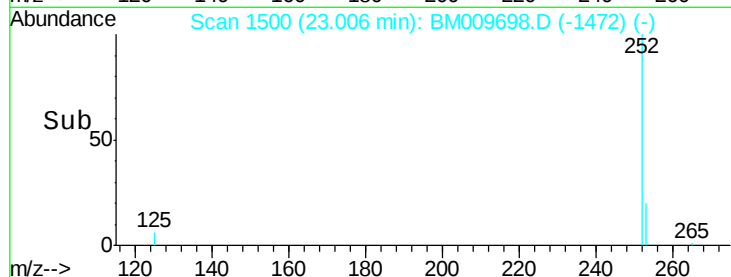
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#22

Benzo(k)fluoranthene

Concen: 0.39 ng/ul

RT: 23.06 min Scan# 1505

Delta R.T. 0.00 min

Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

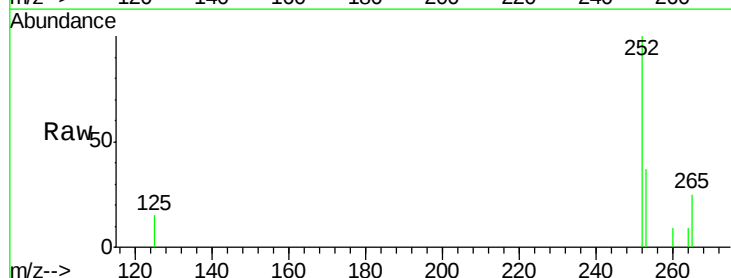
Tgt Ion:252 Resp: 781

Ion Ratio Lower Upper

252 100

253 36.5 24.5 36.7

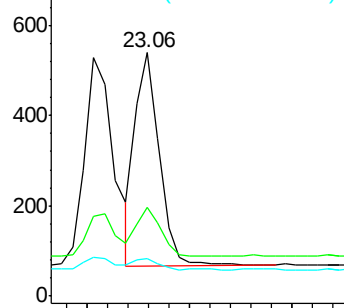
125 15.4 13.7 20.5



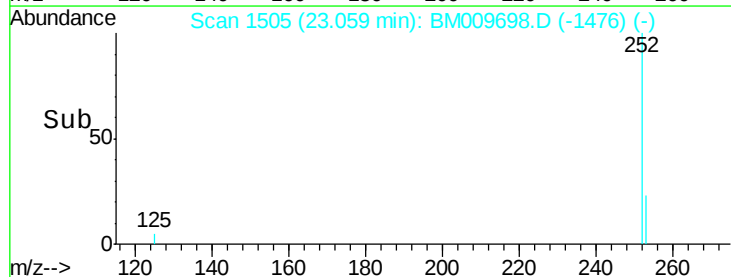
Abundance Ion 252.00 (251.70 to 252.70): E

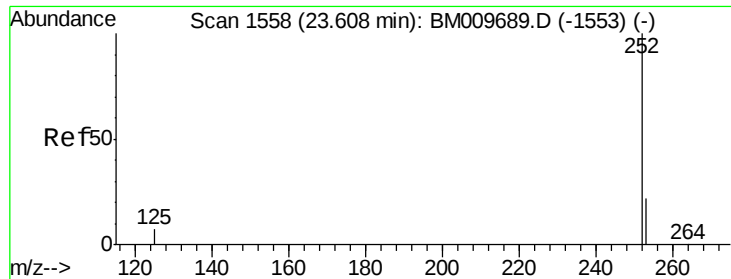
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#23

Benzo(a)pyrene

Concen: 0.41 ng/ul

RT: 23.61 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

Instrument :

BNA_M

ClientSampleId :

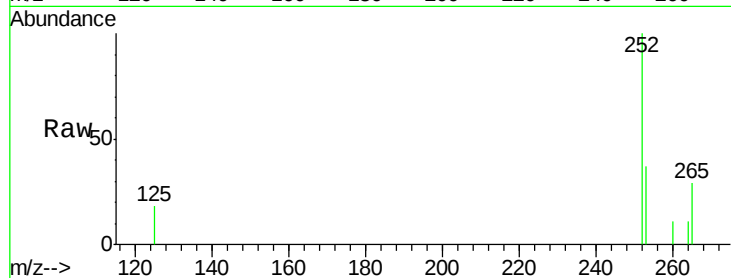
Tot Ion:252 Resp: 817

Ion Ratio Lower Upper

252 100

253 36.9 28.5 42.7

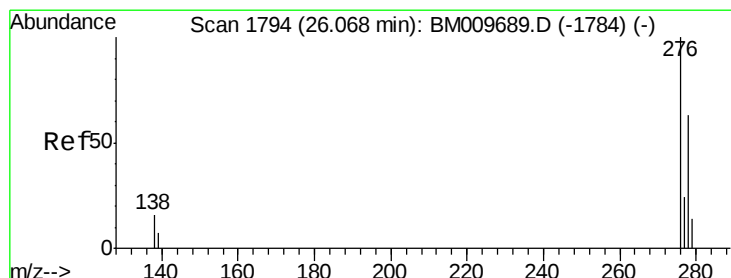
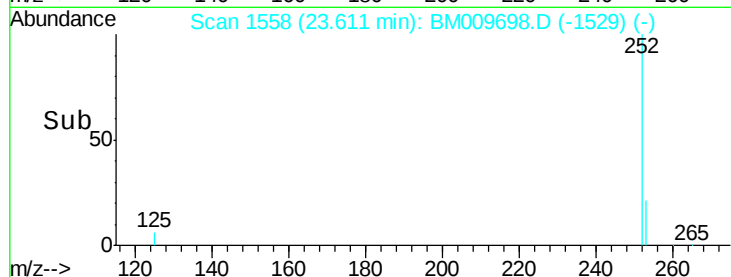
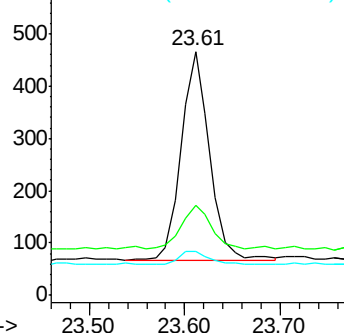
125 18.0 18.1 27.1#



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: 0.40 ng/ul

RT: 26.06 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BM009698.D

Acq: 24 Apr 2017 19:53

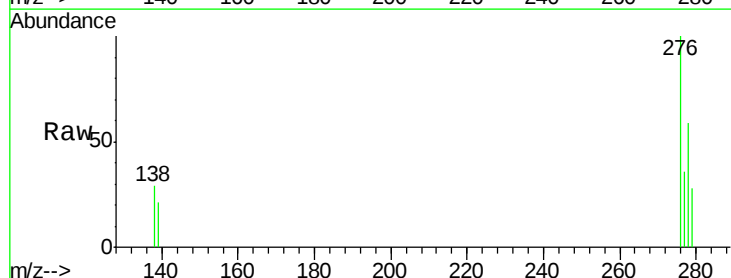
Tgt Ion:276 Resp: 911

Ion Ratio Lower Upper

276 100

138 15.1 19.1 28.7#

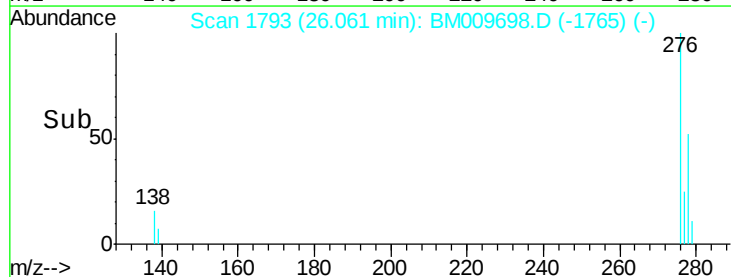
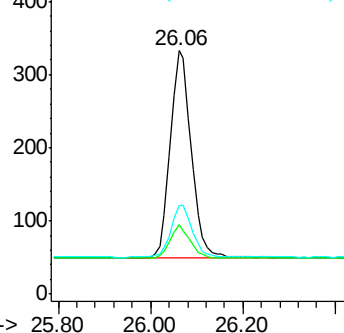
277 26.0 19.6 29.4

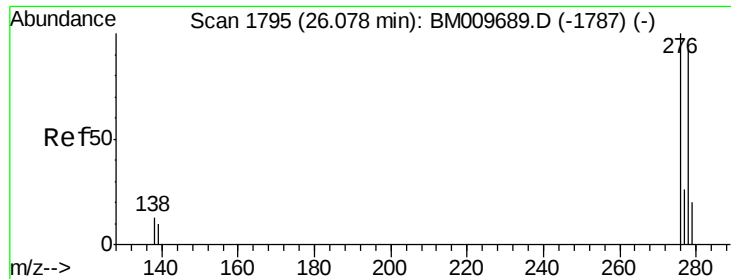


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



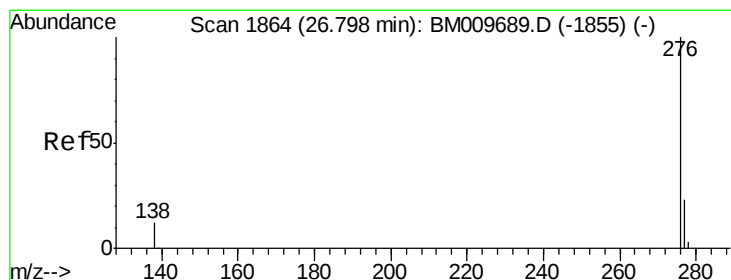
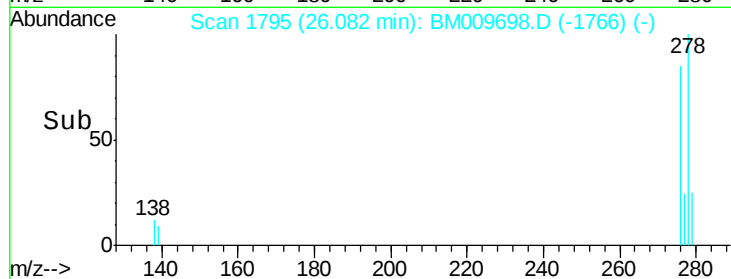
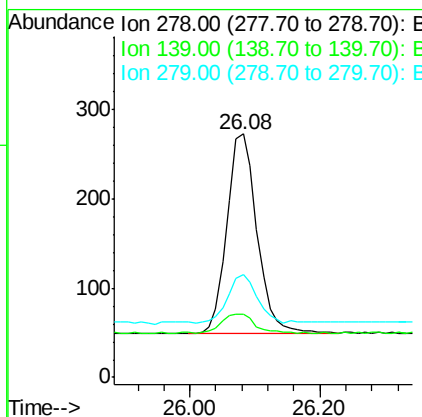
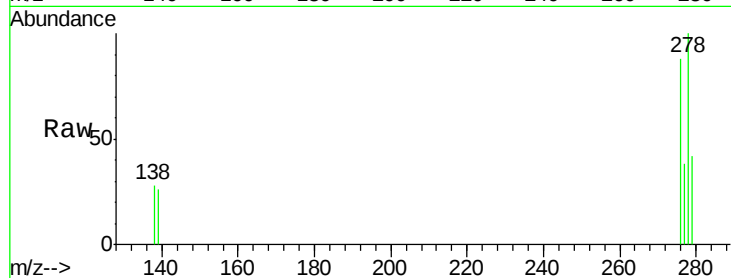


#25
Dibenzo(a,h)anthracene
Concen: 0.38 ng/ul
RT: 26.08 min Scan# 1795
Delta R.T. 0.00 min
Lab File: BM009698.D
Acq: 24 Apr 2017 19:53

Instrument :
BNA_M
ClientSampleId :

Tot Ion:278 Resp: 722

Ion	Ratio	Lower	Upper
278	100		
139	26.0	17.4	26.0
279	42.5	25.9	38.9#



#26
Benzo(g,h,i)perylene
Concen: 0.38 ng/ul
RT: 26.79 min Scan# 1863
Delta R.T. -0.01 min
Lab File: BM009698.D
Acq: 24 Apr 2017 19:53

Tgt Ion:276 Resp: 754

Ion	Ratio	Lower	Upper
276	100		
277	37.8	21.8	32.8#
138	27.8	20.5	30.7

