

Data Path : Z:\HPCHEM1\BNA M\DATA\BM031017\
 Data File : BM009199.D
 Acq On : 11 Mar 2017 05:30
 Operator : SJ/MA
 Sample : I2072-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 11 06:02:13 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM030317.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 11 02:23:19 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.88	152	309	0.40	ng/ul	0.00
2) Naphthalene-d8	10.68	136	1008	0.40	ng/ul	0.00
6) Acenaphthene-d10	14.52	164	649	0.40	ng/ul	0.00
10) Phenanthrene-d10	17.36	188	64145	0.40	ng/ul	0.10
16) Chrysene-d12	21.45	240	1767	0.40	ng/ul	0.01
20) Perylene-d12	23.63	264	59195	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Methylnaphthalene-d10	12.27	152	321	0.19	ng/ul	0.00
14) Fluoranthene-d10	19.39	212	75	0.00	ng/ul	0.10

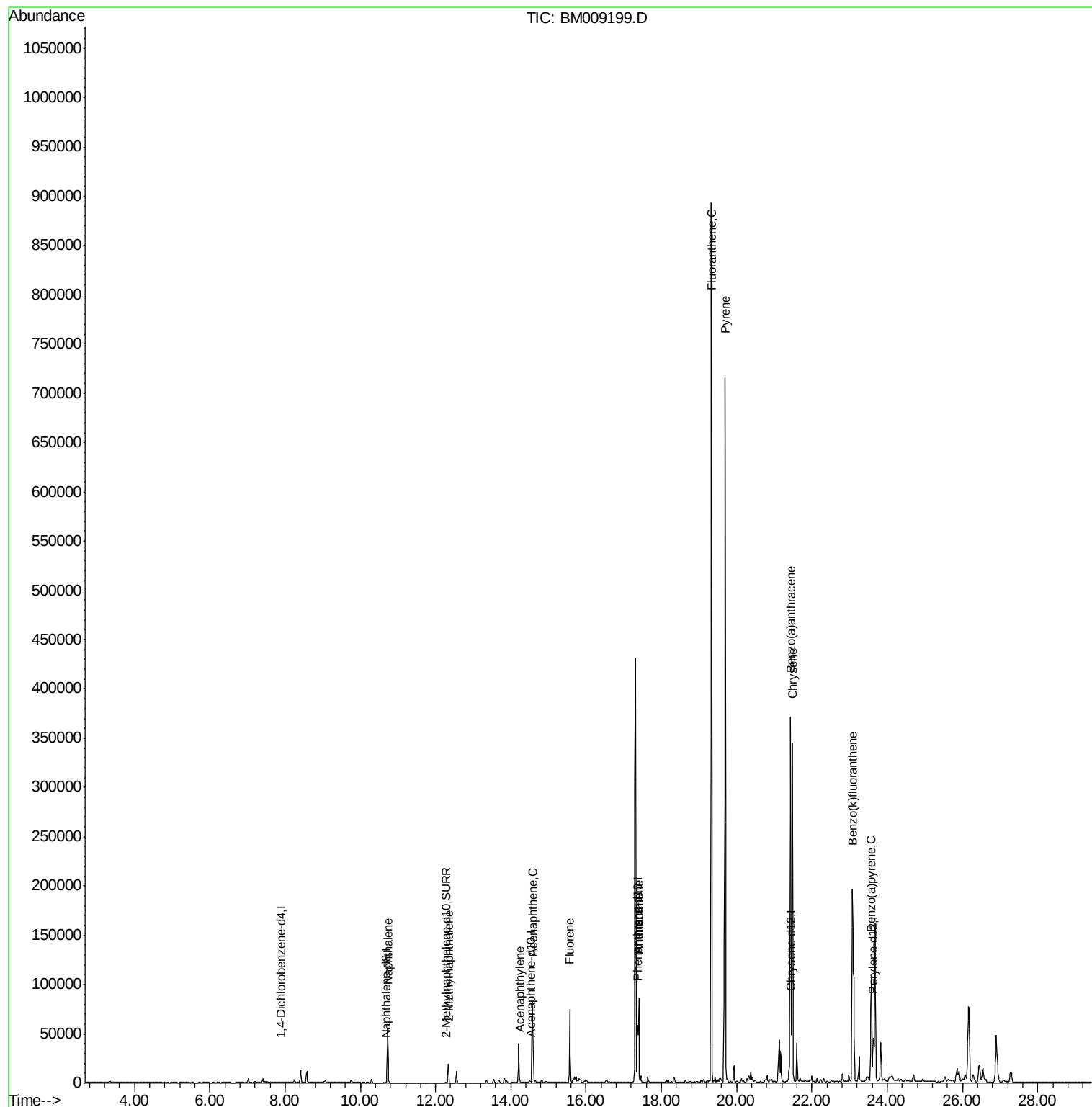
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Naphthalene	10.73	128	75810	26.09	ng/ul#	93
5) 2-Methylnaphthalene	12.34	142	12833	6.14	ng/ul	100
7) Acenaphthylene	14.23	152	1471	0.44	ng/ul#	80
8) Acenaphthene	14.57	153	51422	19.83	ng/ul	93
9) Fluorene	15.56	166	49521	16.33	ng/ul#	85
12) Phenanthrene	17.40	178	105612	0.52	ng/ul#	93
13) Anthracene	17.40	178	105224	0.53	ng/ul#	92
15) Fluoranthene	19.33	202	795868	3.03	ng/ul	92
17) Pyrene	19.69	202	653304	107.50	ng/ul	96
18) Benzo(a)anthracene	21.43	228	354188	60.33	ng/ul	97
19) Chrysene	21.48	228	298178	53.54	ng/ul	98
22) Benzo(k)fluoranthene	23.08	252	444554	2.16	ng/ul#	82
23) Benzo(a)pyrene	23.58	252	155012	0.74	ng/ul#	75

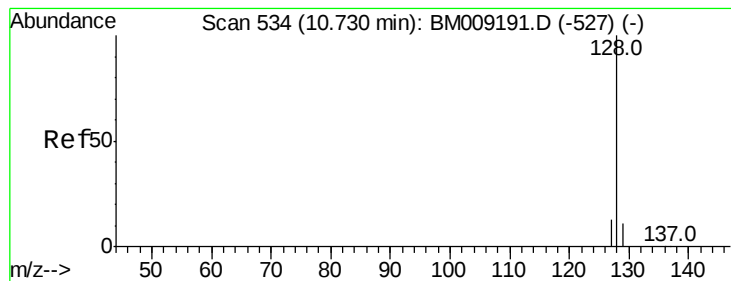
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Naphthalene

Concen: 26.09 ng/ul

RT: 10.73 min Scan# 534

Delta R.T. 0.00 min

Lab File: BM009199.D

Acq: 11 Mar 2017 05:30

Instrument :

BNA_M

ClientSampleId :

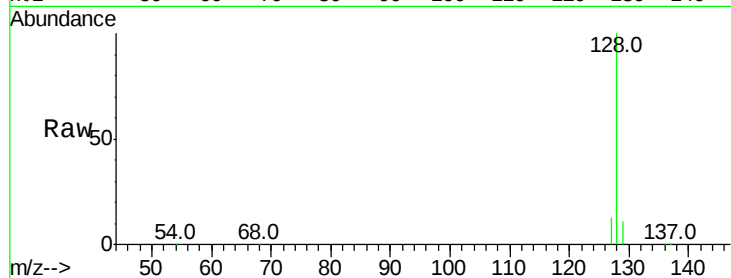
Tot Ion:128 Resp: 75810

Ion Ratio Lower Upper

128 100

129 11.1 11.3 16.9#

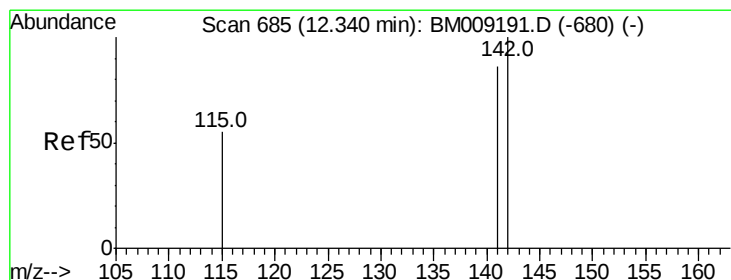
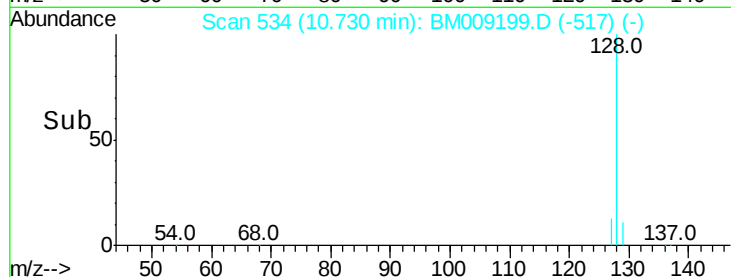
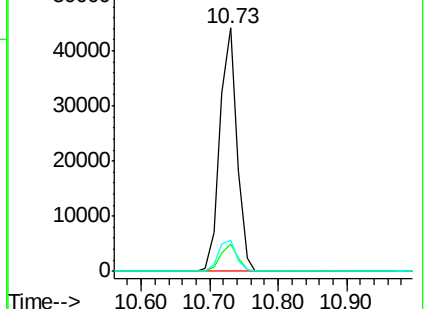
127 12.9 12.8 19.2



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: 6.14 ng/ul

RT: 12.34 min Scan# 685

Delta R.T. -0.00 min

Lab File: BM009199.D

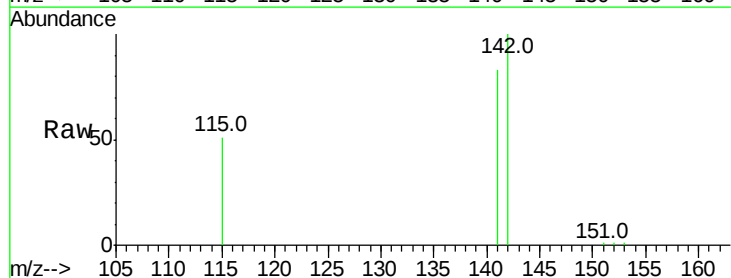
Acq: 11 Mar 2017 05:30

Tgt Ion:142 Resp: 12833

Ion Ratio Lower Upper

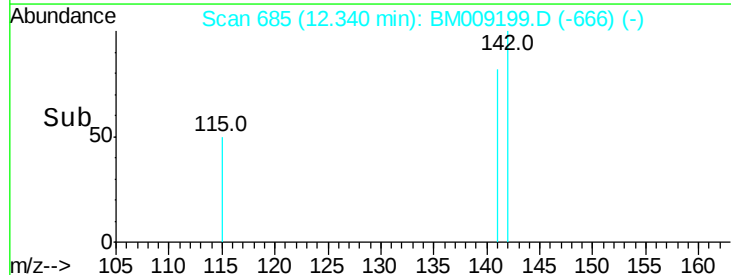
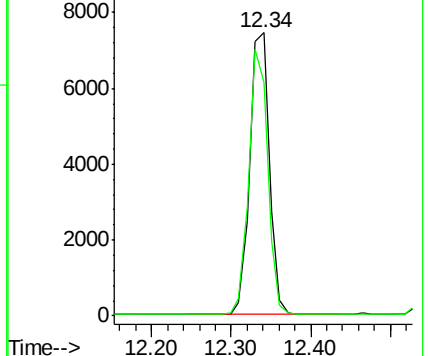
142 100

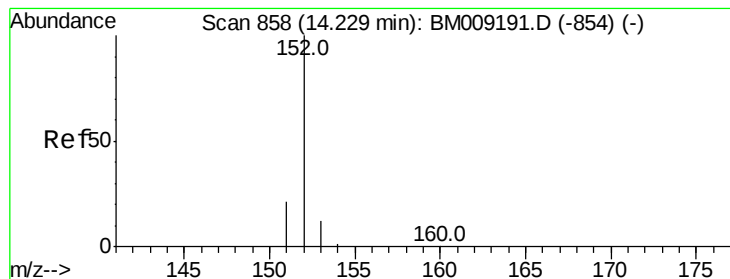
141 90.5 72.6 108.8



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: 14.23 min Scan# 858

Delta R.T. 0.00 min

Lab File: BM009199.D

Acq: 11 Mar 2017 05:30

Instrument :

BNA_M

ClientSampled :

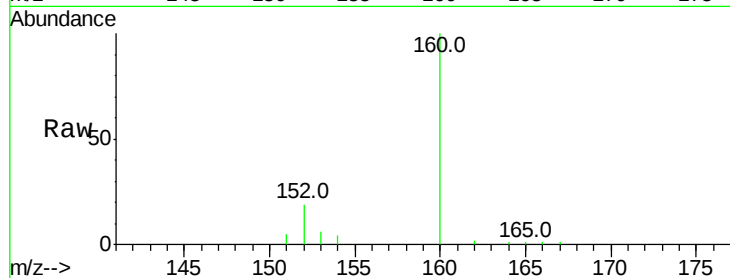
Tot Ion:152 Resp: 1471

Ion Ratio Lower Upper

152 100

151 27.0 17.1 25.7#

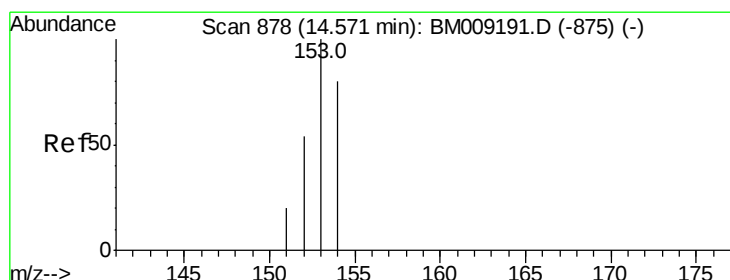
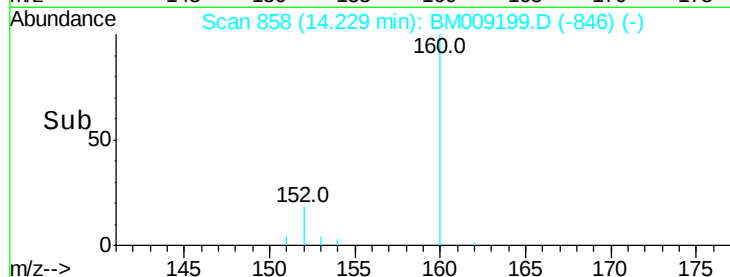
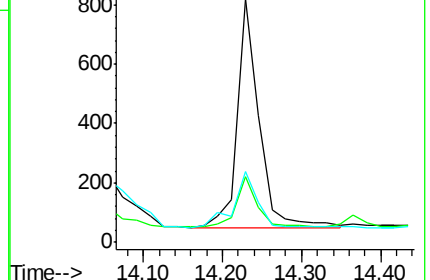
153 29.0 12.8 19.2#



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



#8

Acenaphthene

Concen: 19.83 ng/ul

RT: 14.57 min Scan# 878

Delta R.T. 0.00 min

Lab File: BM009199.D

Acq: 11 Mar 2017 05:30

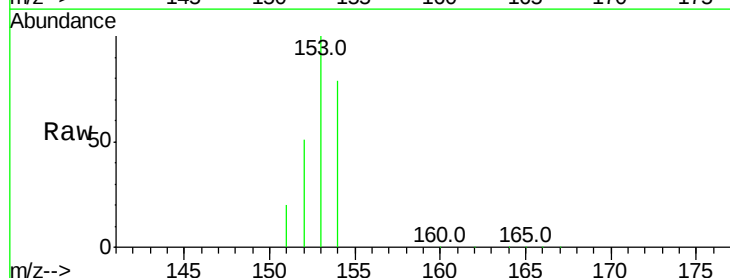
Tgt Ion:153 Resp: 51422

Ion Ratio Lower Upper

153 100

152 50.9 40.3 60.5

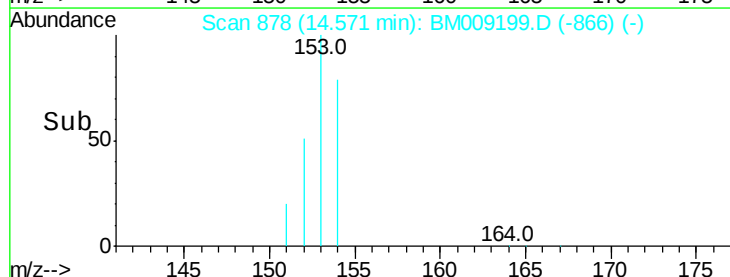
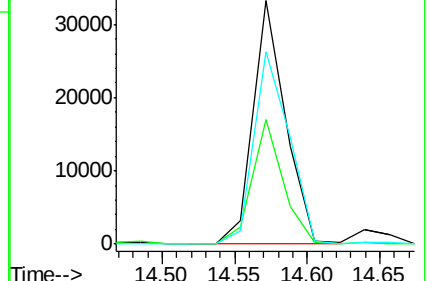
154 79.2 71.4 107.2

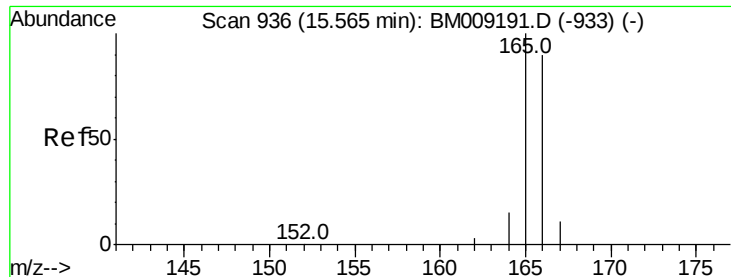


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#9

Fluorene

Concen: 16.33 ng/ul

RT: 15.56 min Scan# 936

Delta R.T. 0.00 min

Lab File: BM009199.D

Acq: 11 Mar 2017 05:30

Instrument :

BNA_M

ClientSampleId :

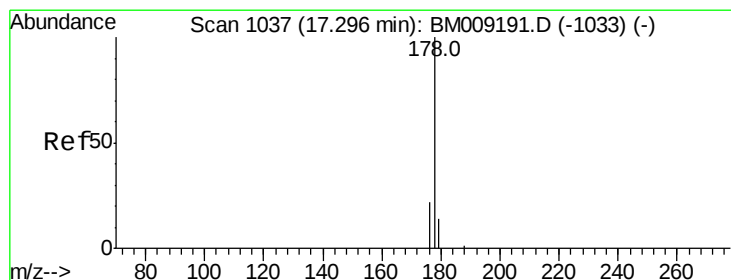
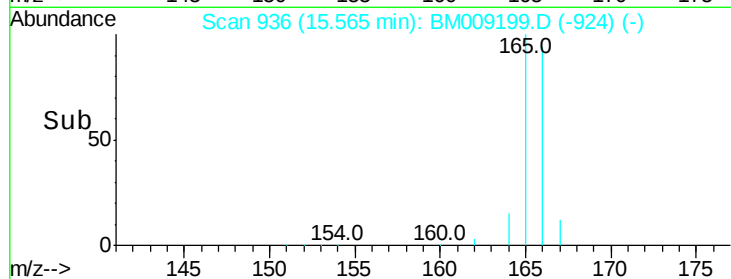
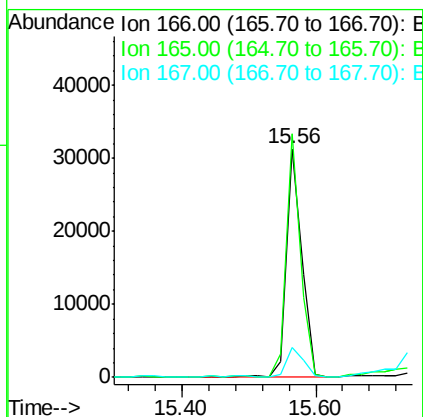
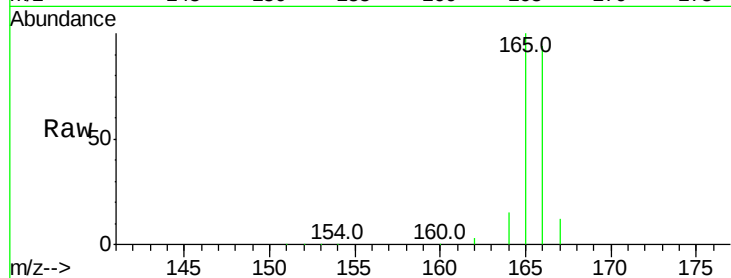
Tot Ion:166 Resp: 49521

Ion Ratio Lower Upper

166 100

165 106.4 73.4 110.2

167 13.3 14.6 22.0#



#12

Phenanthrene

Concen: 0.52 ng/ul

RT: 17.40 min Scan# 1043

Delta R.T. 0.10 min

Lab File: BM009199.D

Acq: 11 Mar 2017 05:30

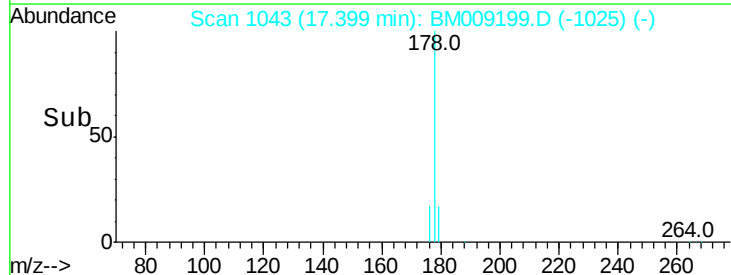
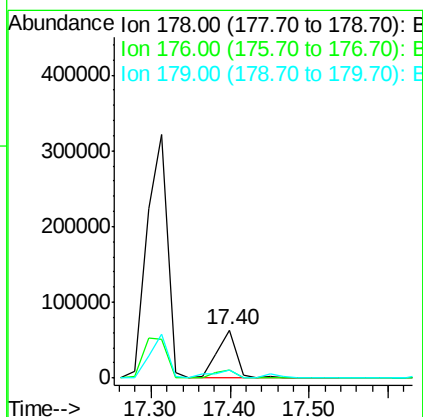
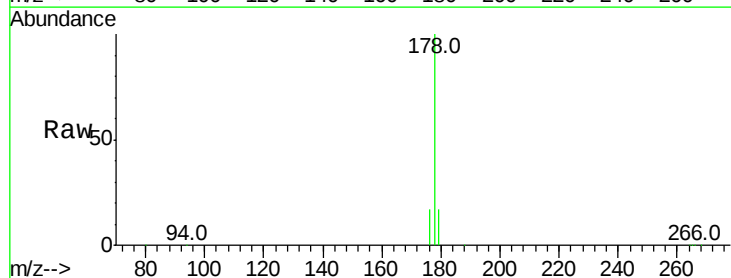
Tgt Ion:178 Resp: 105612

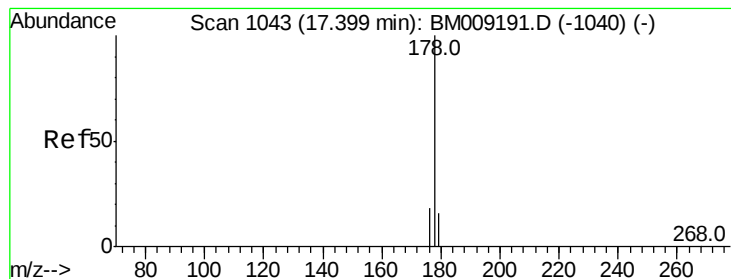
Ion Ratio Lower Upper

178 100

176 16.9 18.4 27.6#

179 16.8 13.6 20.4





#13

Anthracene

Concen: 0.53 ng/ul

RT: 17.40 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BM009199.D

Acq: 11 Mar 2017 05:30

Instrument :

BNA_M

ClientSampleId :

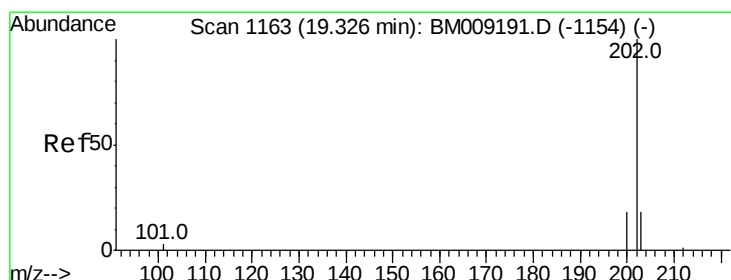
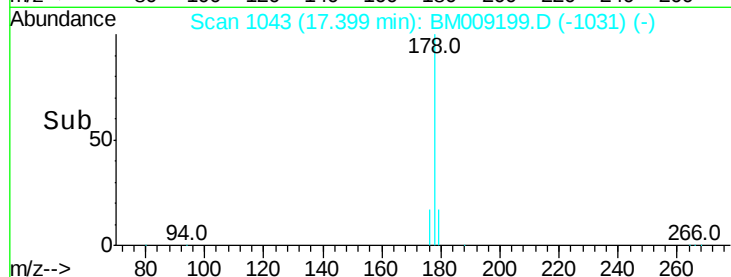
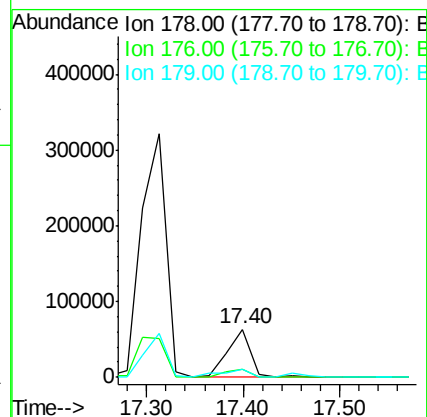
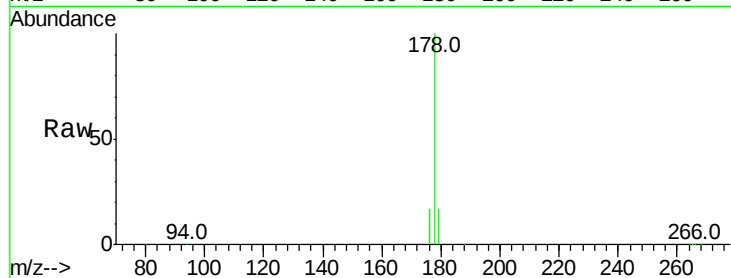
Tot Ion:178 Resp: 105224

Ion Ratio Lower Upper

178 100

176 16.9 18.1 27.1#

179 16.8 14.7 22.1



#15

Fluoranthene

Concen: 3.03 ng/ul

RT: 19.33 min Scan# 1163

Delta R.T. -0.00 min

Lab File: BM009199.D

Acq: 11 Mar 2017 05:30

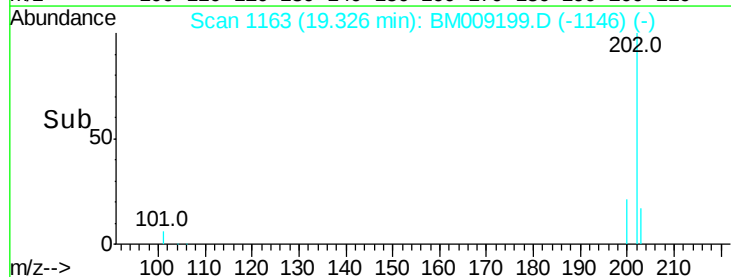
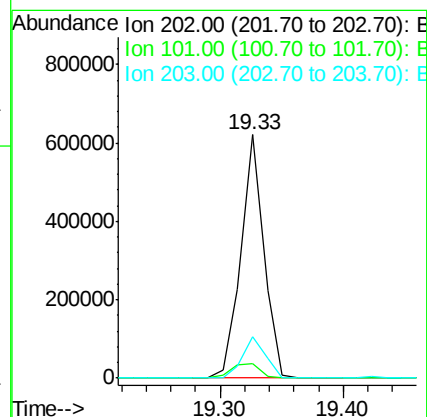
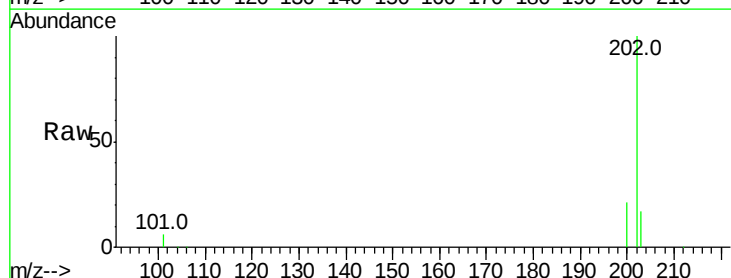
Tgt Ion:202 Resp: 795868

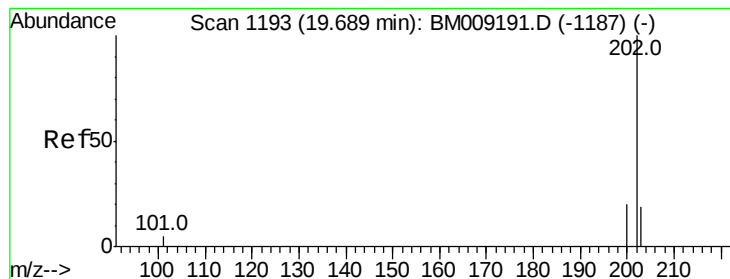
Ion Ratio Lower Upper

202 100

101 5.9 0.0 30.3

203 17.0 0.0 39.5





#17

Pvrene

Concen: 107.50 ng/ul

RT: 19.69 min Scan# 1193

Delta R.T. -0.00 min

Lab File: BM009199.D

Acq: 11 Mar 2017 05:30

Instrument :

BNA_M

ClientSampleId :

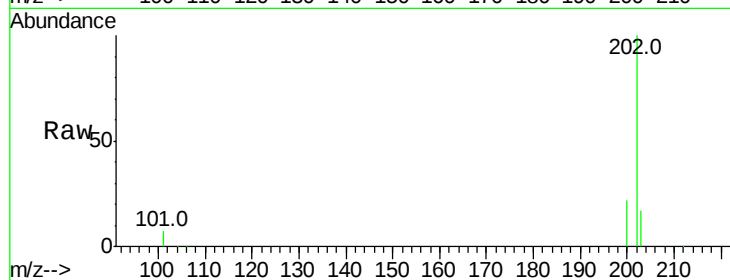
Tot Ion:202 Resp: 653304

Ion Ratio Lower Upper

202 100

200 21.6 18.2 27.4

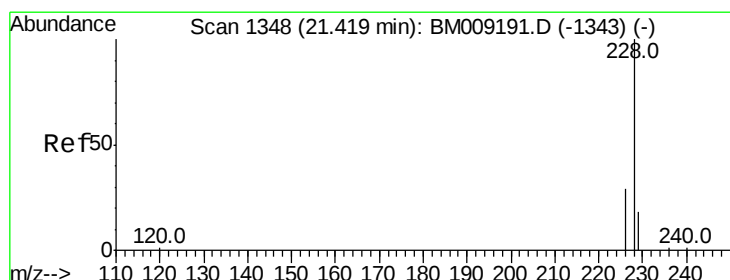
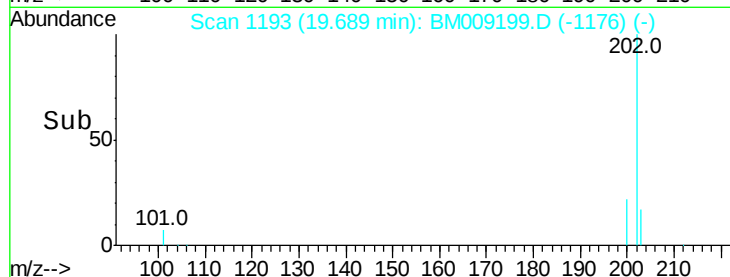
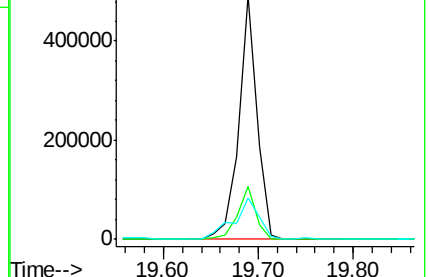
203 16.9 15.6 23.4



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: 60.33 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BM009199.D

Acq: 11 Mar 2017 05:30

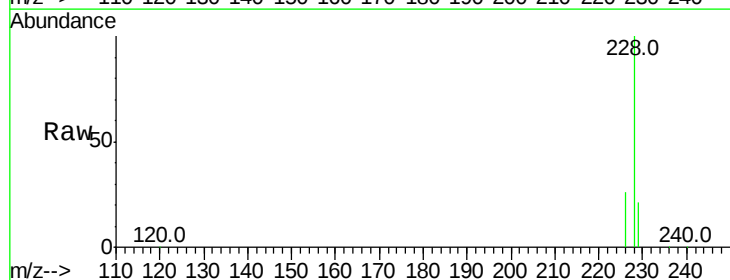
Tgt Ion:228 Resp: 354188

Ion Ratio Lower Upper

228 100

226 25.8 22.8 34.2

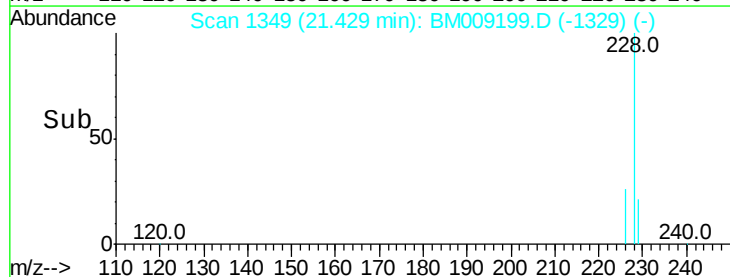
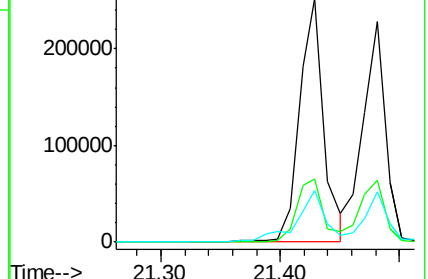
229 21.2 17.0 25.6

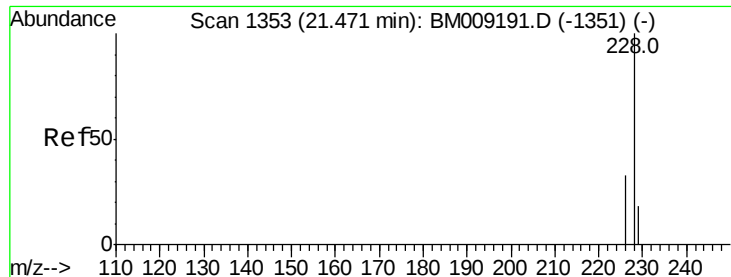


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#19

Chrysene

Concen: 53.54 ng/ul

RT: 21.48 min Scan# 1354

Delta R.T. 0.01 min

Lab File: BM009199.D

Acq: 11 Mar 2017 05:30

Instrument :

BNA_M

ClientSampleId :

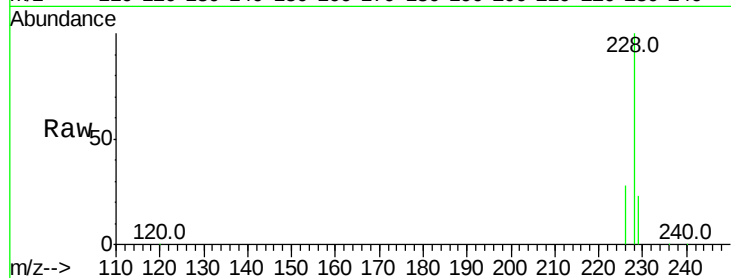
Tot Ion:228 Resp: 298178

Ion Ratio Lower Upper

228 100

226 28.2 23.4 35.0

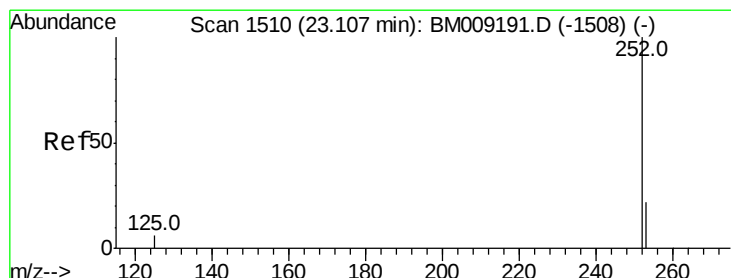
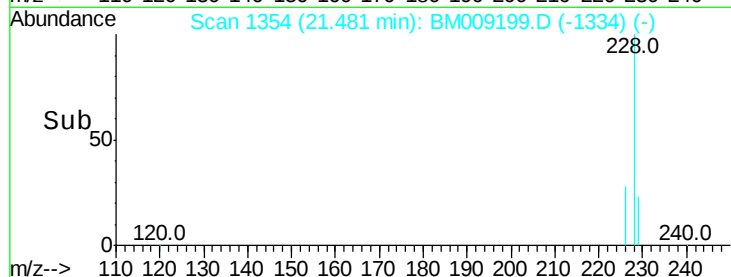
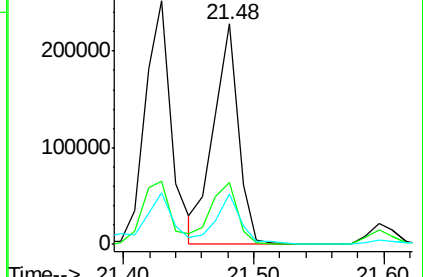
229 22.9 17.7 26.5



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



#22

Benzo(k)fluoranthene

Concen: 2.16 ng/ul

RT: 23.08 min Scan# 1507

Delta R.T. -0.03 min

Lab File: BM009199.D

Acq: 11 Mar 2017 05:30

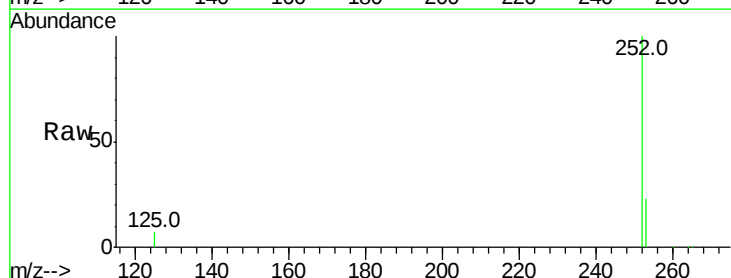
Tgt Ion:252 Resp: 444554

Ion Ratio Lower Upper

252 100

253 23.0 24.5 36.7#

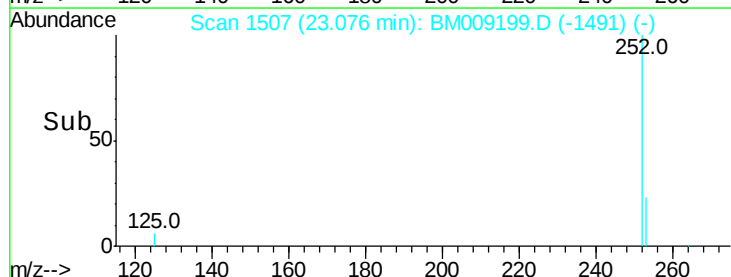
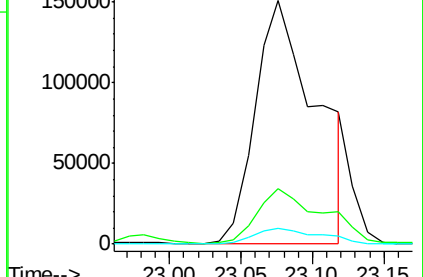
125 6.6 13.7 20.5#

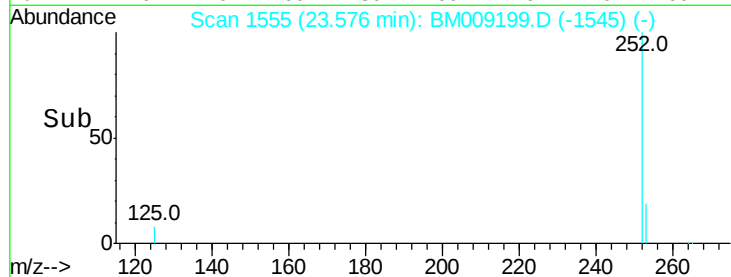
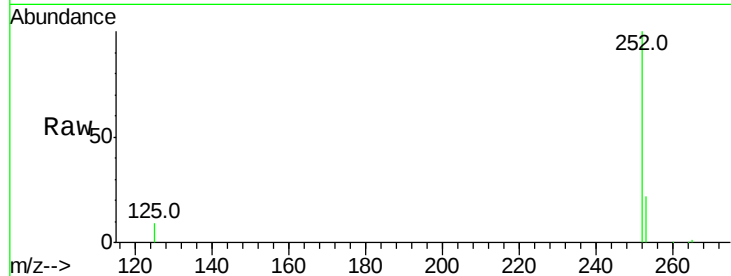
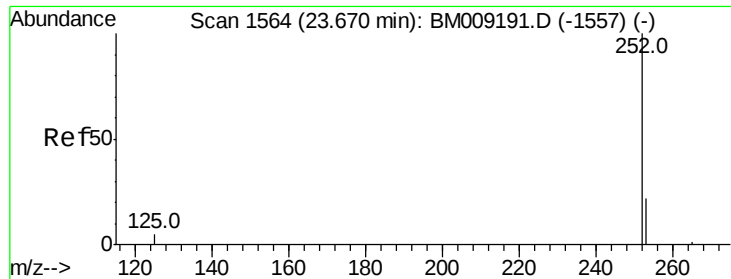


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#23

Benzo(a)pyrene

Concen: 0.74 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. -0.09 min

Lab File: BM009199.D

Acq: 11 Mar 2017 05:30

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252 Resp: 155012

Ion Ratio Lower Upper

252 100

253 22.3 28.5 42.7#

125 8.6 18.1 27.1#

