

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM121715\
 Data File : BM003606.D
 Acq On : 17 Dec 2015 19:18
 Operator : UM/IZ
 Sample : G4767-23DL 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9N45DL

Quant Time: Dec 18 00:46:49 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM121515.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 18 00:41:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.71	152	2506	0.40	ng/ul	0.00
4) Naphthalene-d8	10.50	136	10592	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.35	164	6028	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.19	188	197404	0.40	ng/ul	0.09
18) Chrysene-d12	21.30	240	10245	0.40	ng/ul	0.00
22) Perylene-d12	23.56	264	9537	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.17	96	2773	2.59	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.09	152	1022	0.08	ng/ul	0.00
16) Fluoranthene-d10	19.14	212	1907	0.00	ng/ul	0.00

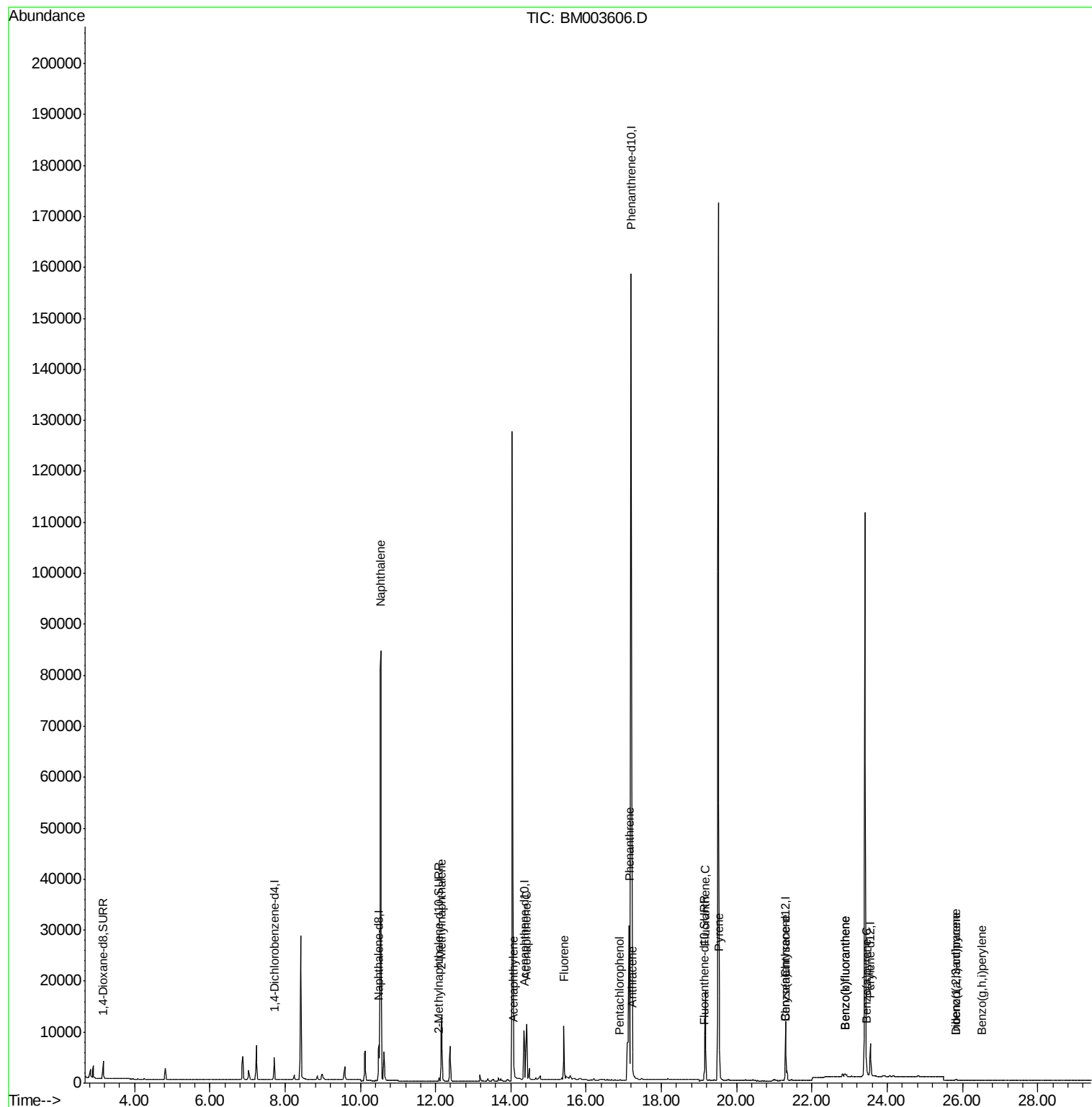
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.55	128	129214	5.42	ng/ul	99
7) 2-Methylnaphthalene	12.16	142	9972	0.62	ng/ul	100
9) Acenaphthylene	14.07	152	1009	0.04	ng/ul#	80
10) Acenaphthene	14.42	153	7310	0.39	ng/ul	96
11) Fluorene	15.41	166	7579	0.37	ng/ul	94
13) Pentachlorophenol	16.88	266	5	0.00	ng/ul#	20
14) Phenanthrene	17.14	178	34722	0.07	ng/ul	97
15) Anthracene	17.23	178	3040	0.01	ng/ul#	91
17) Fluoranthene	19.17	202	16815	0.03	ng/ul	97
19) Pyrene	19.53	202	13177	0.48	ng/ul	97
20) Benzo(a)anthracene	21.28	228	2073	0.08	ng/ul#	90
21) Chrysene	21.28	228	2073	0.07	ng/ul	93
23) Benzo(b)fluoranthene	22.88	252	1450	0.04	ng/ul#	17
24) Benzo(k)fluoranthene	22.88	252	1435	0.05	ng/ul#	19
25) Benzo(a)pyrene	23.45	252	546	0.02	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.82	276	224	0.01	ng/ul#	81
27) Dibenzo(a,h)anthracene	25.83	278	95	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.52	276	206	0.01	ng/ul#	1

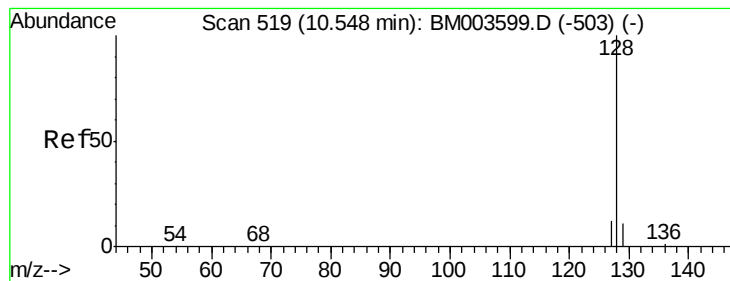
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 5.42 ng/ul

RT: 10.55 min Scan# 519

Delta R.T. 0.00 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

Instrument :

BNA_M

ClientSampleId :

D9N45DL

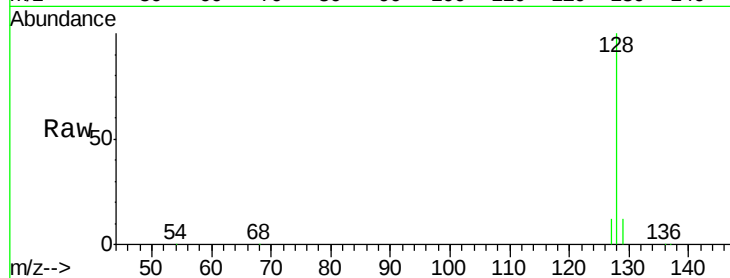
Tgt Ion:128 Resp: 129214

Ion Ratio Lower Upper

128 100

129 11.6 9.0 13.6

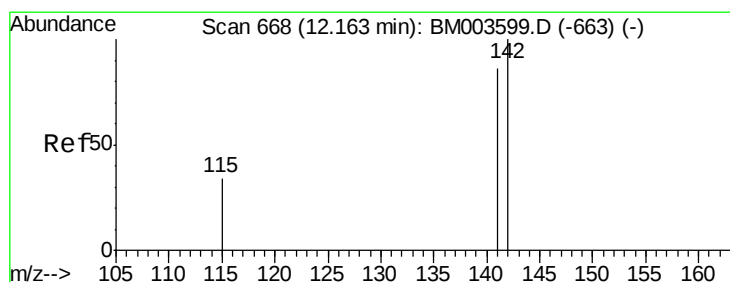
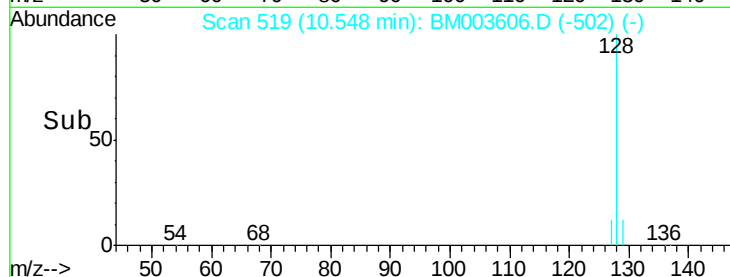
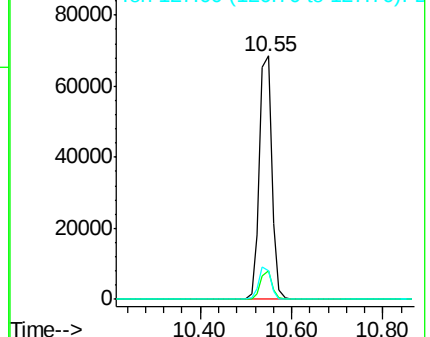
127 11.7 9.6 14.4



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



#7

2-Methylnaphthalene

Concen: 0.62 ng/ul

RT: 12.16 min Scan# 668

Delta R.T. 0.00 min

Lab File: BM003606.D

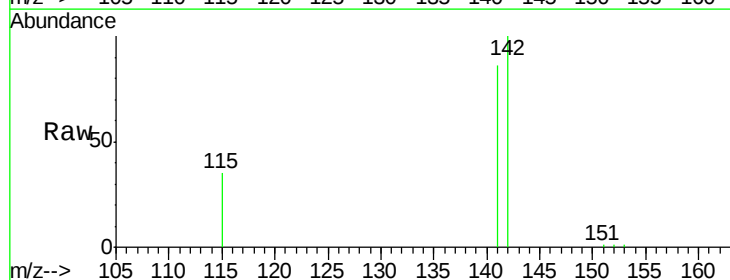
Acq: 17 Dec 2015 19:18

Tgt Ion:142 Resp: 9972

Ion Ratio Lower Upper

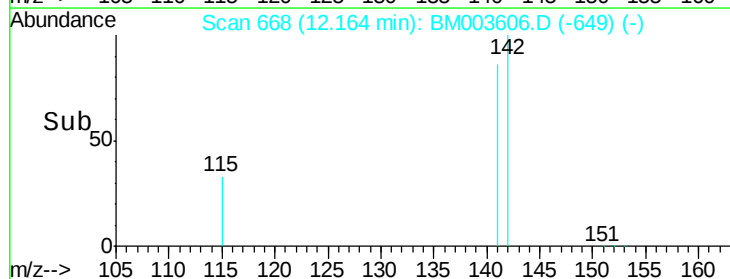
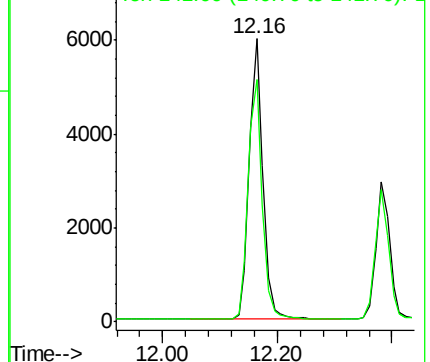
142 100

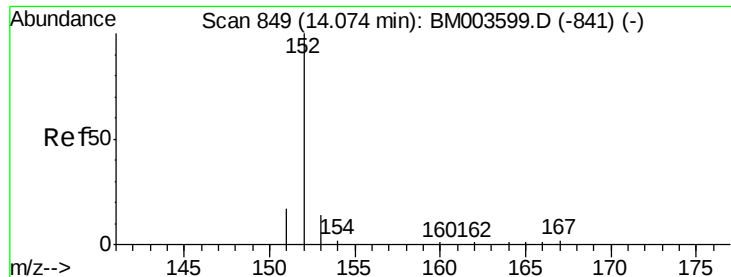
141 88.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.04 ng/ul

RT: 14.07 min Scan# 849

Delta R.T. 0.00 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

Instrument :

BNA_M

ClientSampleId :

D9N45DL

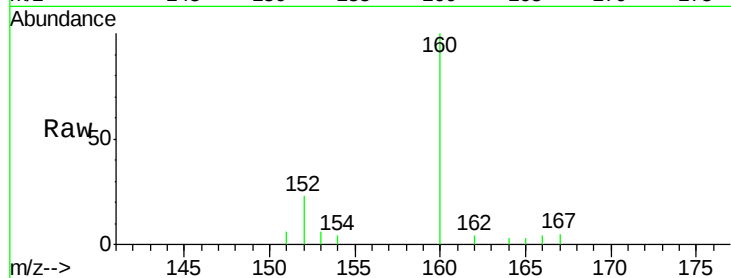
Tgt Ion:152 Resp: 1009

Ion Ratio Lower Upper

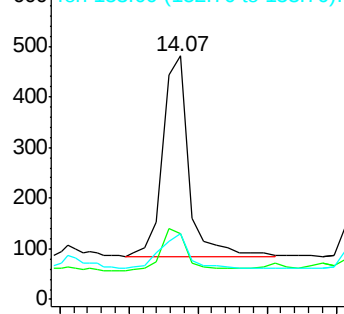
152 100

151 26.8 17.6 26.4#

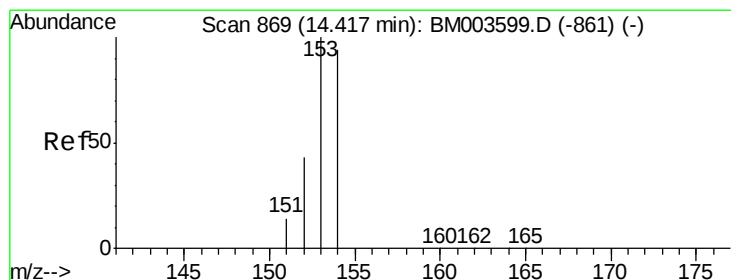
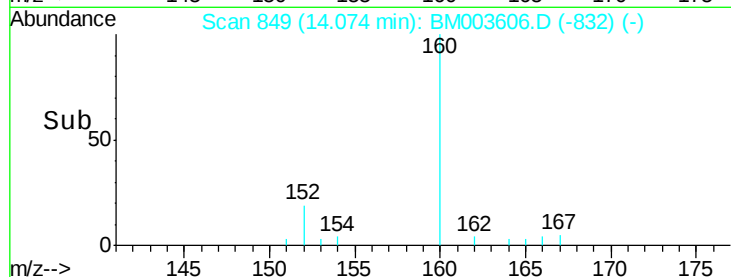
153 27.0 9.7 14.5#



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--> 13.90 14.00 14.10 14.20



#10

Acenaphthene

Concen: 0.39 ng/ul

RT: 14.42 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

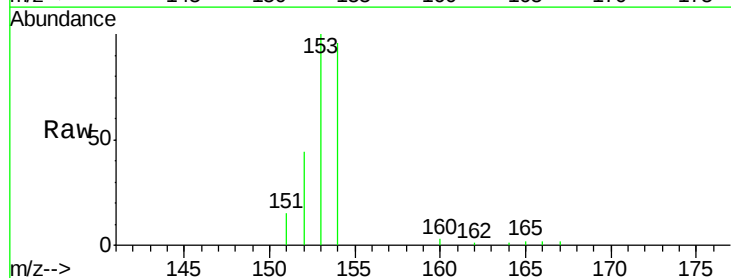
Tgt Ion:153 Resp: 7310

Ion Ratio Lower Upper

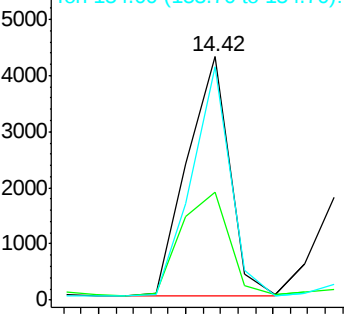
153 100

152 44.3 33.9 50.9

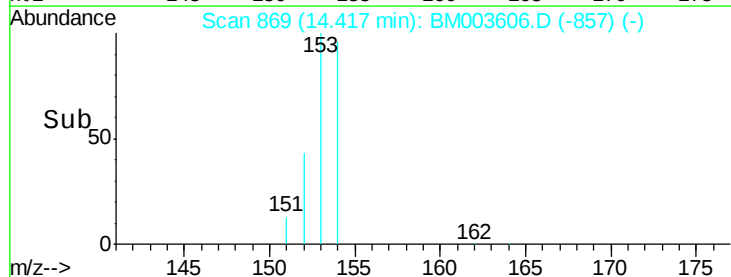
154 95.7 80.6 121.0

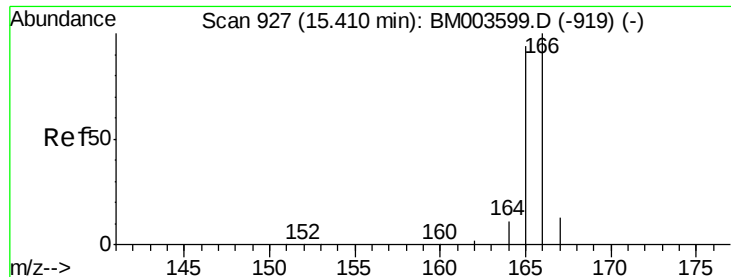


Abundance Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E
Ion 154.00 (153.70 to 154.70): E



Time--> 14.35 14.40 14.45

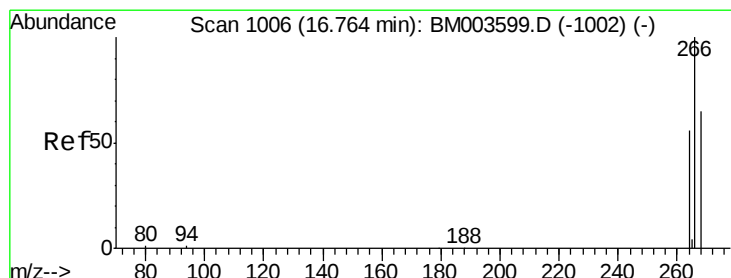
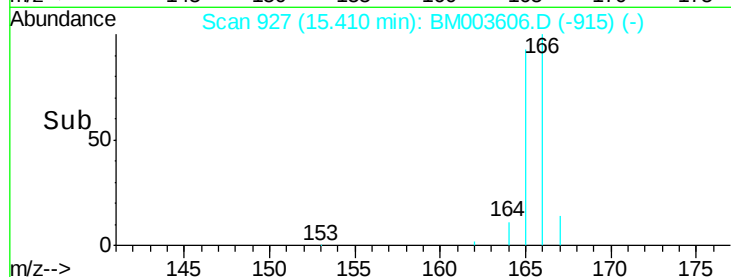
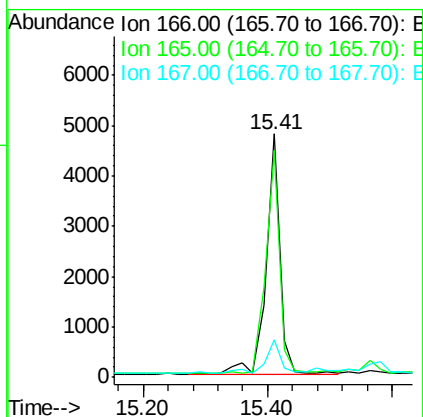
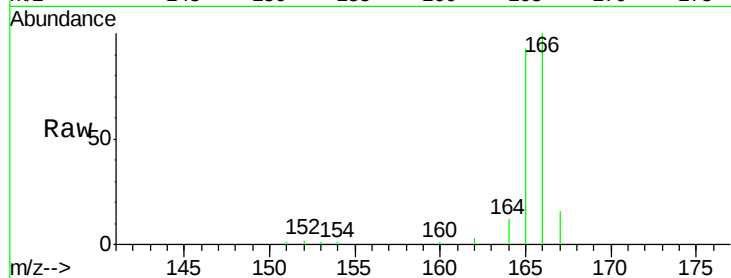




#11
 Fluorene
 Concen: 0.37 ng/ul
 RT: 15.41 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: BM003606.D
 Acq: 17 Dec 2015 19:18

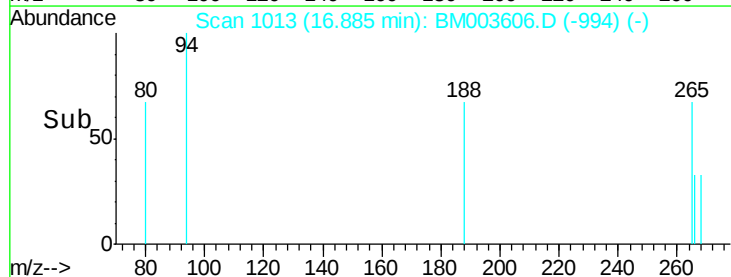
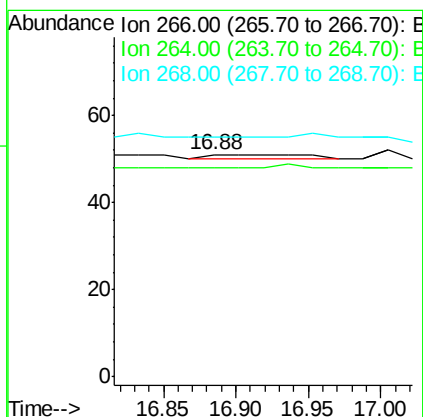
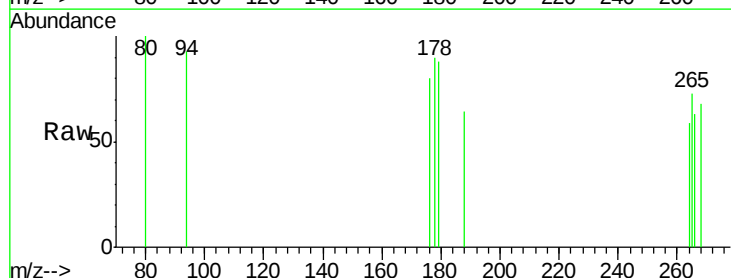
Instrument :
 BNA_M
 ClientSampleId :
 D9N45DL

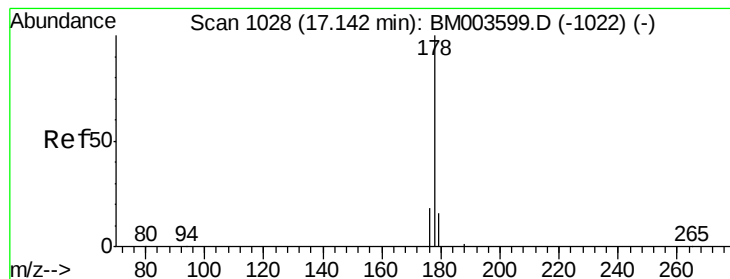
Tgt Ion:166 Resp: 7579
 Ion Ratio Lower Upper
 166 100
 165 93.5 69.6 104.4
 167 15.5 11.9 17.9



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.88 min Scan# 1013
 Delta R.T. 0.12 min
 Lab File: BM003606.D
 Acq: 17 Dec 2015 19:18

Tgt Ion:266 Resp: 5
 Ion Ratio Lower Upper
 266 100
 264 0.0 51.8 77.8#
 268 0.0 46.8 70.2#





#14

Phenanthrene

Concen: 0.07 ng/ul

RT: 17.14 min Scan# 1028

Delta R.T. 0.00 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

Instrument :

BNA_M

ClientSampleId :

D9N45DL

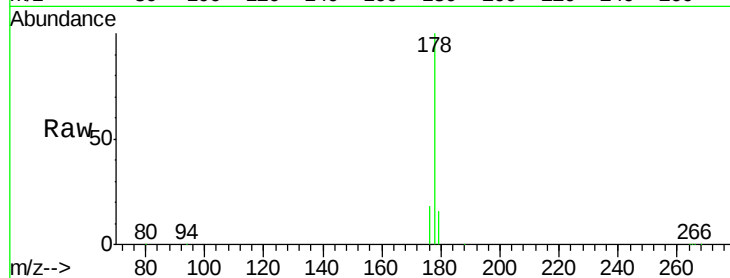
Tgt Ion:178 Resp: 34722

Ion Ratio Lower Upper

178 100

176 17.9 13.0 19.4

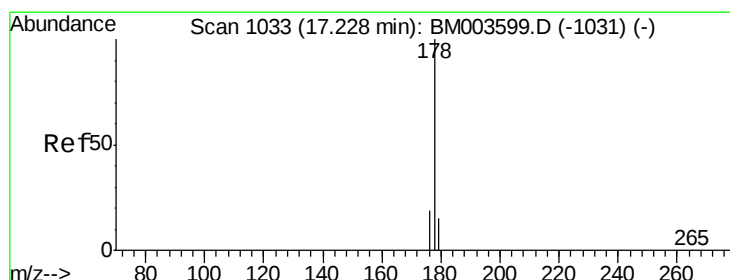
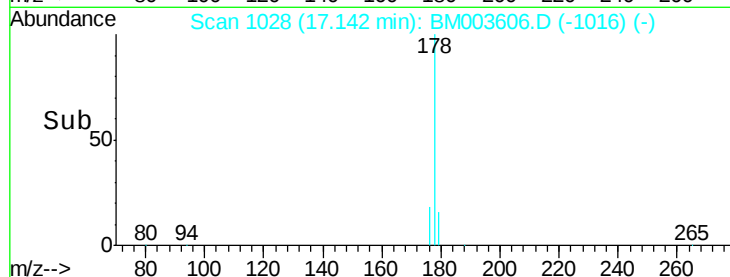
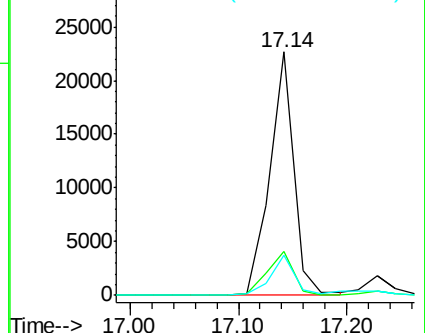
179 16.4 14.2 21.2



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



#15

Anthracene

Concen: 0.01 ng/ul

RT: 17.23 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

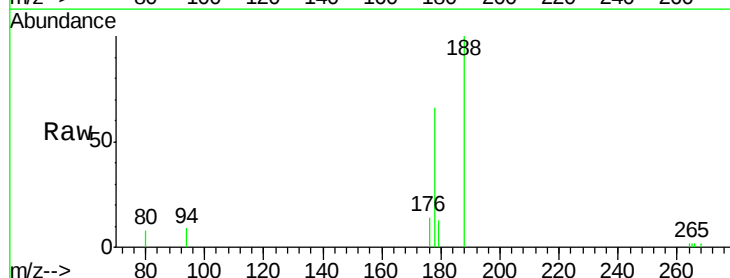
Tgt Ion:178 Resp: 3040

Ion Ratio Lower Upper

178 100

176 21.6 14.0 21.0#

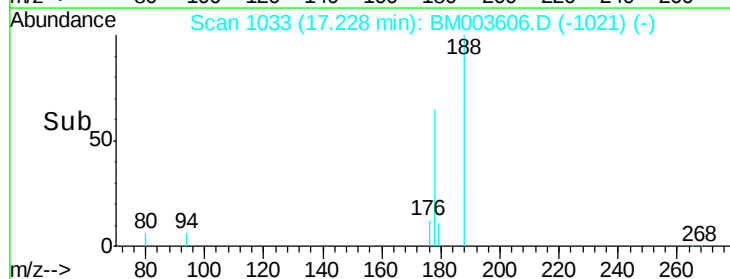
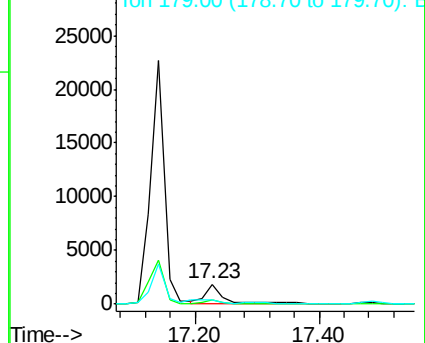
179 19.8 12.9 19.3#

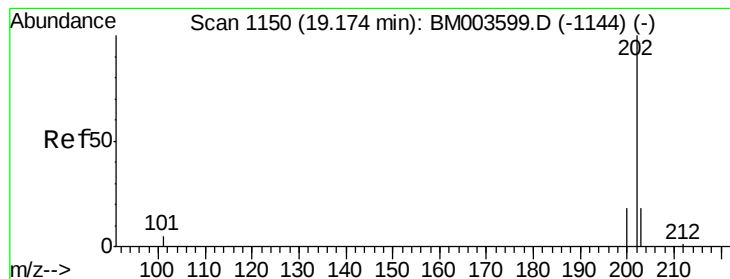


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.03 ng/ul

RT: 19.17 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

Instrument :

BNA_M

ClientSampleId :

D9N45DL

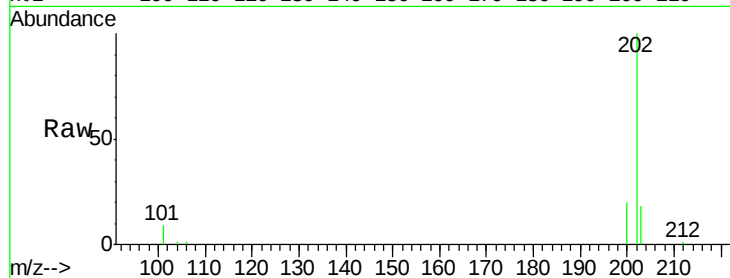
Tgt Ion:202 Resp: 16815

Ion Ratio Lower Upper

202 100

101 8.8 0.0 29.6

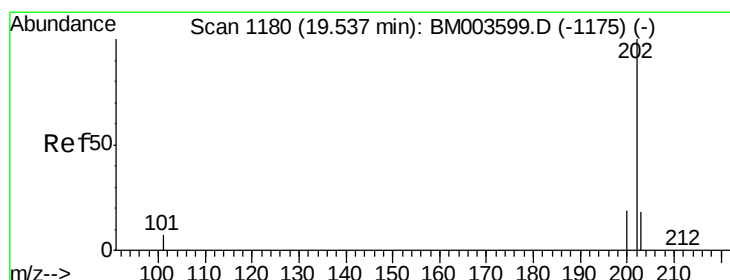
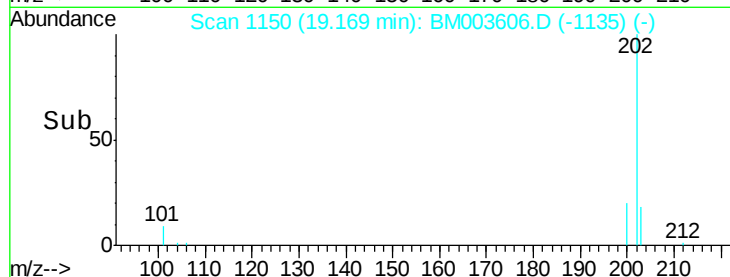
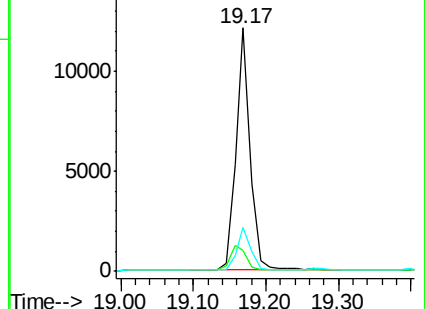
203 17.9 0.0 36.3



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



#19

Pyrene

Concen: 0.48 ng/ul

RT: 19.53 min Scan# 1180

Delta R.T. -0.00 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

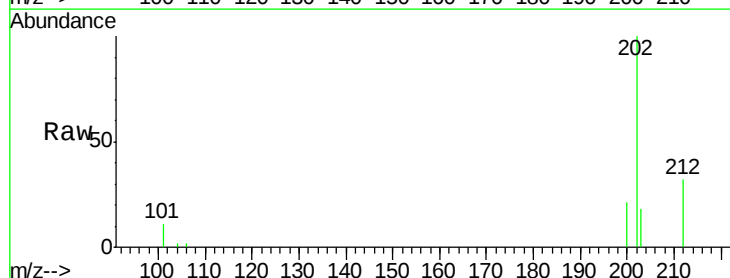
Tgt Ion:202 Resp: 13177

Ion Ratio Lower Upper

202 100

200 21.2 17.8 26.8

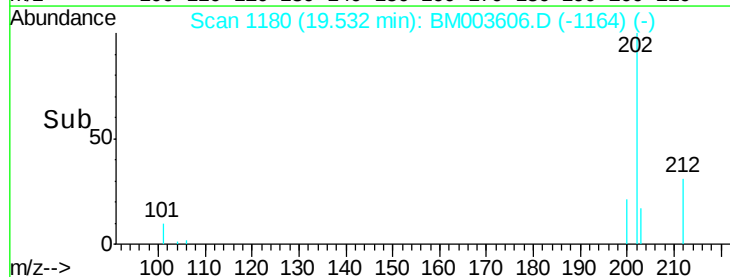
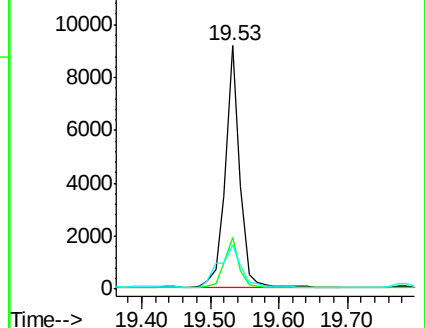
203 18.1 12.8 19.2

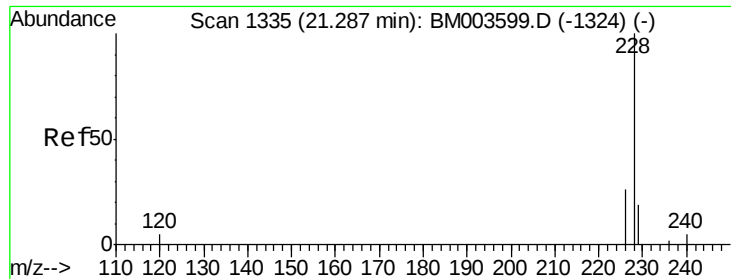


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.08 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.00 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

Instrument :

BNA_M

ClientSampleId :

D9N45DL

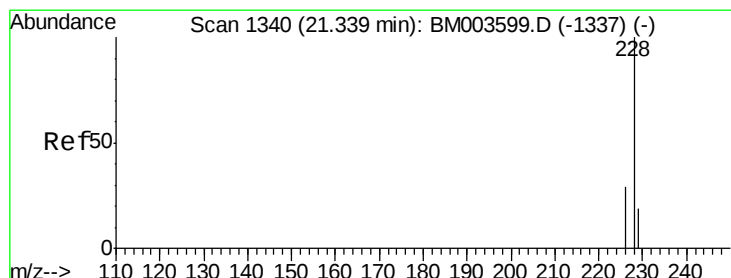
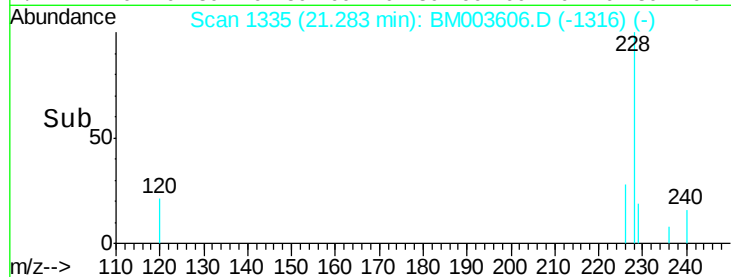
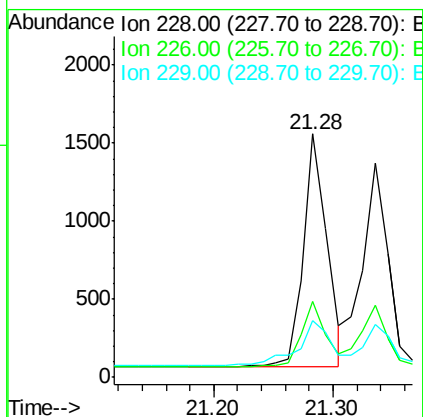
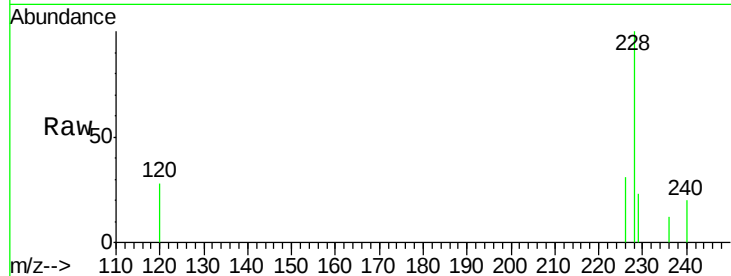
Tgt Ion:228 Resp: 2073

Ion Ratio Lower Upper

228 100

226 31.4 18.8 28.2#

229 23.2 17.1 25.7



#21

Chrysene

Concen: 0.07 ng/ul

RT: 21.28 min Scan# 1335

Delta R.T. -0.06 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

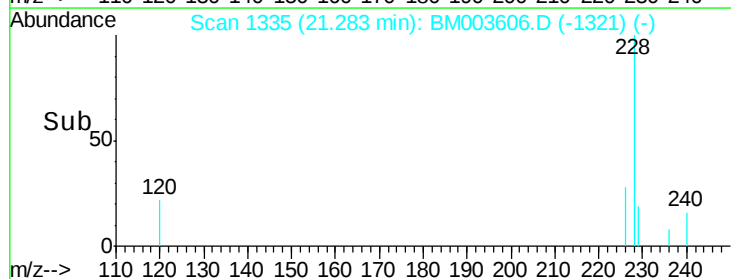
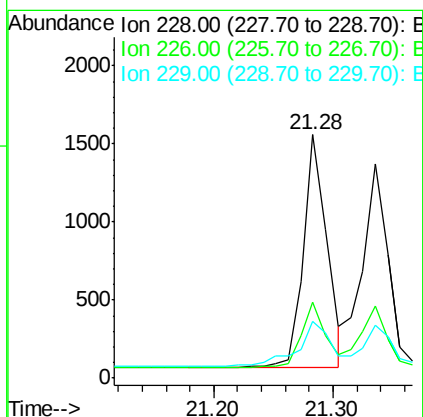
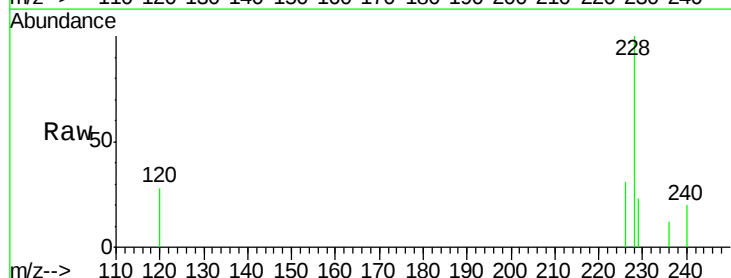
Tgt Ion:228 Resp: 2073

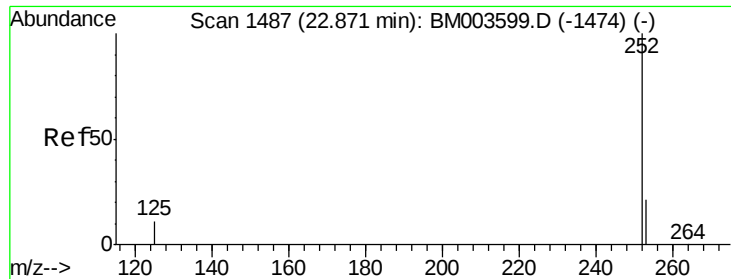
Ion Ratio Lower Upper

228 100

226 31.4 21.2 31.8

229 23.2 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.04 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. 0.01 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

Instrument :

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D9N45DL

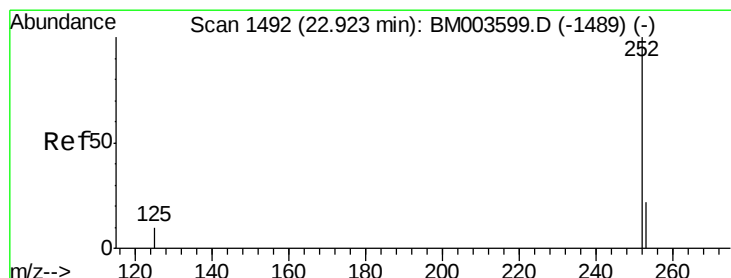
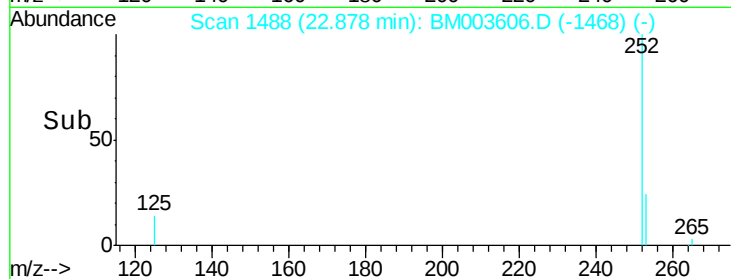
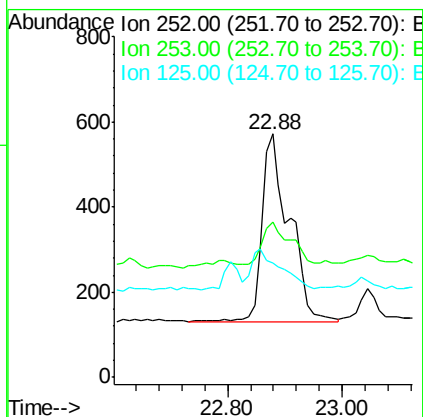
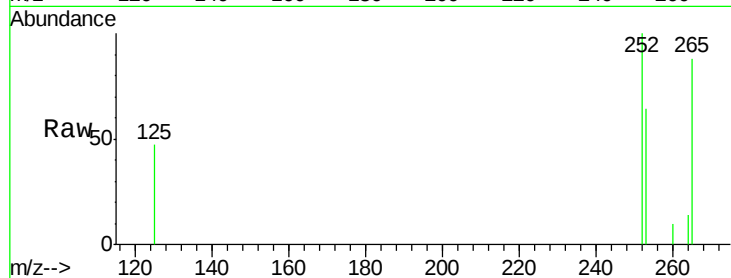
Tgt Ion:252 Resp: 1450

Ion Ratio Lower Upper

252 100

253 64.0 0.0 45.4#

125 46.9 0.0 28.8#



#24

Benzo(k)fluoranthene

Concen: 0.05 ng/ul

RT: 22.88 min Scan# 1488

Delta R.T. -0.05 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

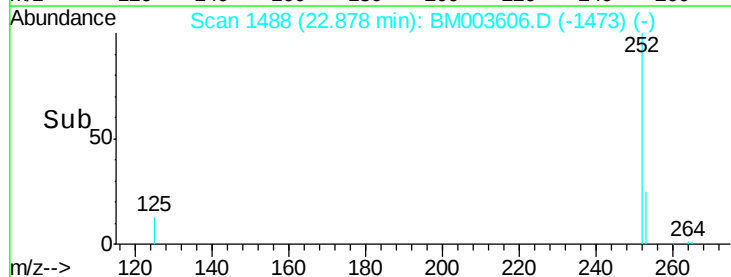
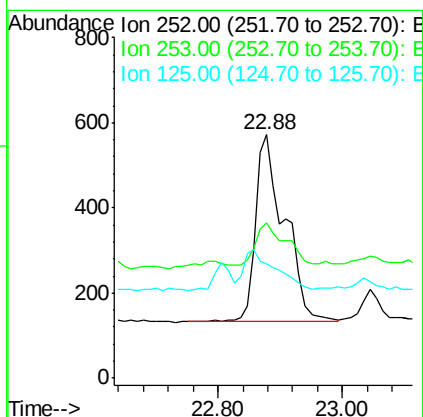
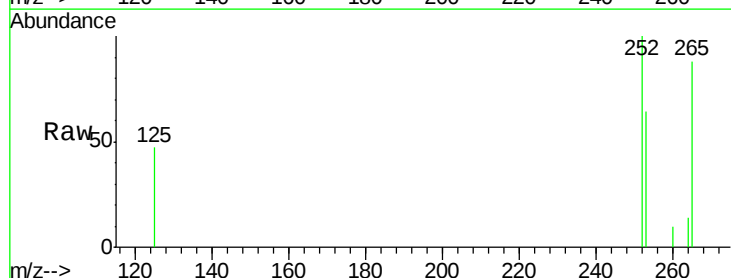
Tgt Ion:252 Resp: 1435

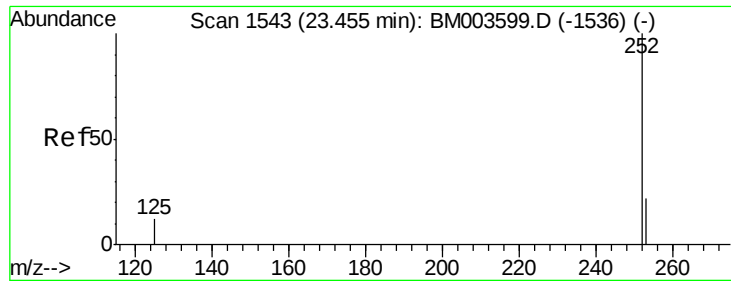
Ion Ratio Lower Upper

252 100

253 64.0 19.8 29.8#

125 46.9 10.4 15.6#





#25

Benzo(a)pyrene

Concen: 0.02 ng/ul

RT: 23.45 min Scan# 1543

Delta R.T. -0.00 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

Instrument :

BNA_M

ClientSampleId :

D9N45DL

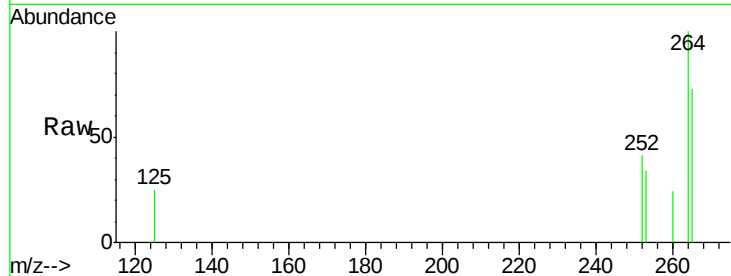
Tgt Ion:252 Resp: 546

Ion Ratio Lower Upper

252 100

253 83.7 19.4 29.2#

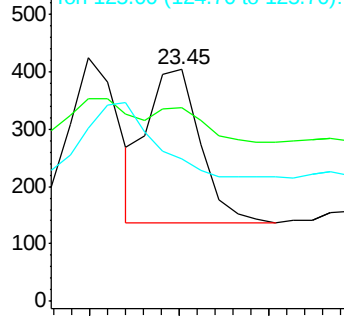
125 61.4 12.7 19.1#



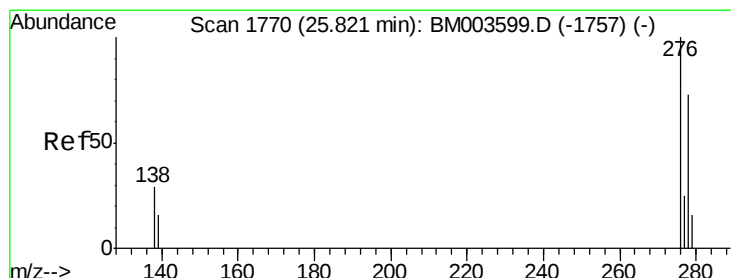
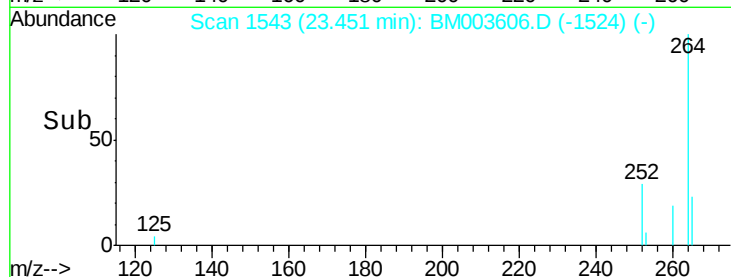
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.01 ng/ul

RT: 25.82 min Scan# 1770

Delta R.T. -0.00 min

Lab File: BM003606.D

Acq: 17 Dec 2015 19:18

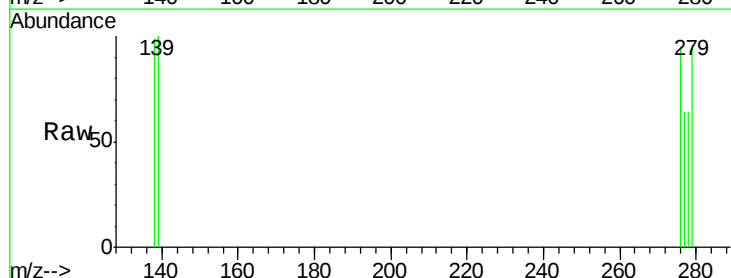
Tgt Ion:276 Resp: 224

Ion Ratio Lower Upper

276 100

138 37.1 16.3 24.5#

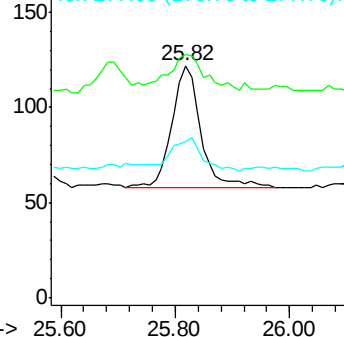
277 27.2 19.8 29.8



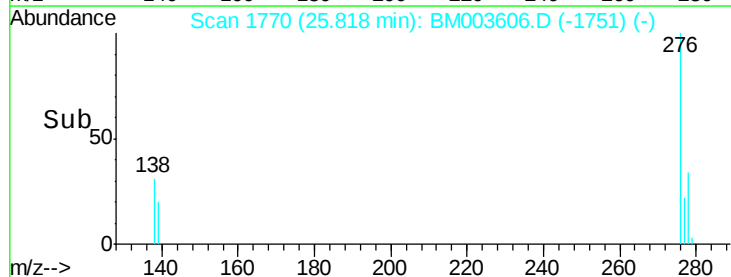
Abundance Ion 276.00 (275.70 to 276.70): E

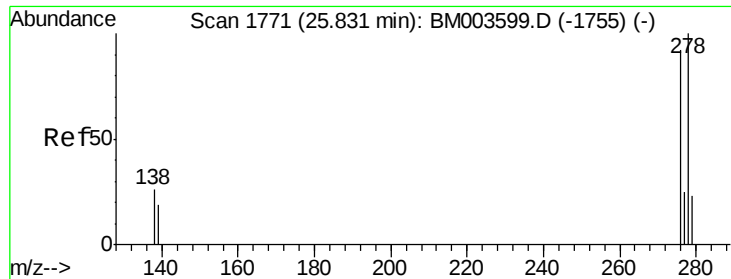
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->

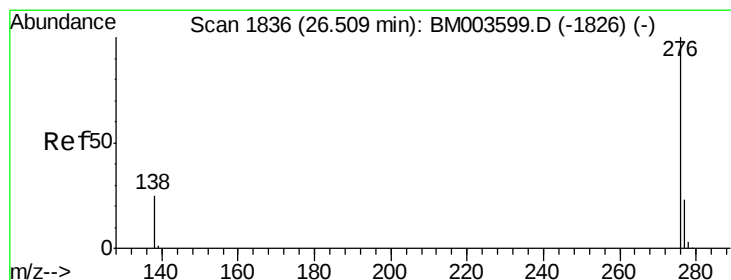
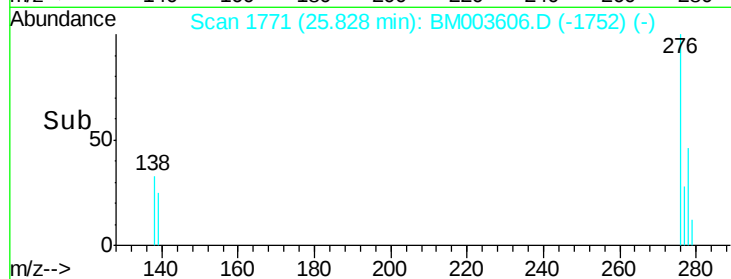
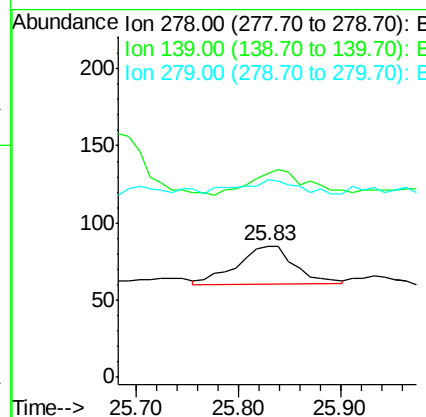
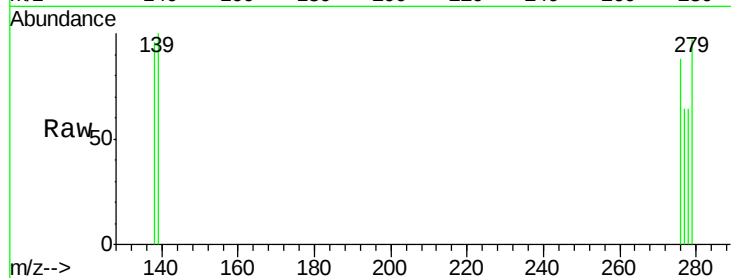




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.83 min Scan# 1771
Delta R.T. -0.00 min
Lab File: BM003606.D
Acq: 17 Dec 2015 19:18

Instrument :
BNA_M
ClientSampleId :
D9N45DL

Tgt Ion: 278 Resp: 95
Ion Ratio Lower Upper
278 100
139 155.3 16.4 24.6#
279 150.6 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.01 ng/ul
RT: 26.52 min Scan# 1837
Delta R.T. 0.01 min
Lab File: BM003606.D
Acq: 17 Dec 2015 19:18

Tgt Ion: 276 Resp: 206
Ion Ratio Lower Upper
276 100
277 74.1 18.9 28.3#
138 110.2 22.5 33.7#

