

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003198.D
 Acq On : 19 Nov 2015 20:06
 Operator : UM/IZ
 Sample : G4323-08
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT9

Quant Time: Nov 20 03:40:45 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM111815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 03:16:26 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	16204	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	62459	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	32954	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	3823397	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	60130	0.40	ng/ul	-0.01
22) Perylene-d12	23.44	264	3582244	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	88420	5.11	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	22549	0.27	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	38916	0.00	ng/ul	0.00

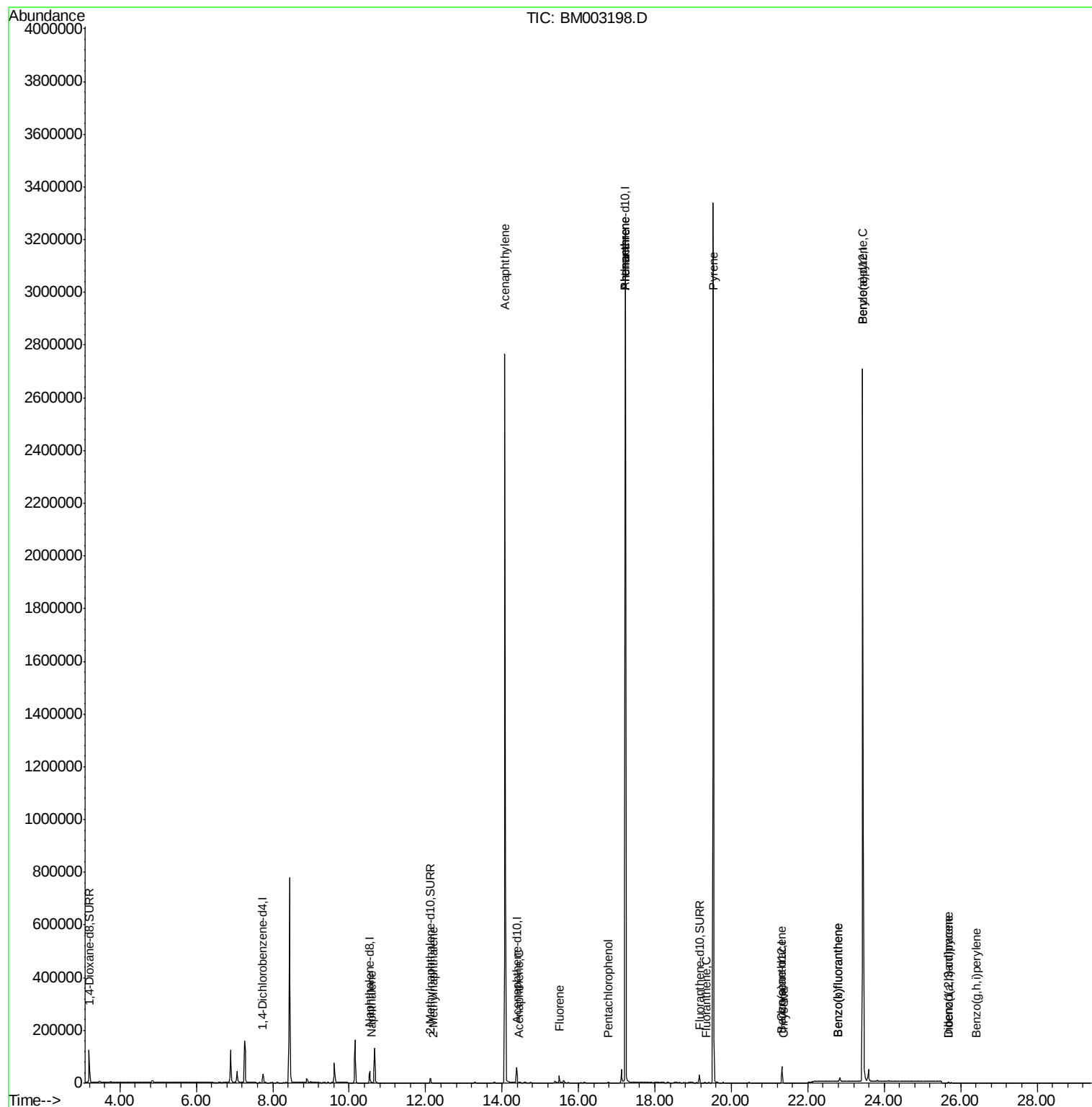
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.58	128	4584	0.03	ng/ul#	90
7) 2-Methylnaphthalene	12.19	142	493	0.00	ng/ul#	100
9) Acenaphthylene	14.07	152	451	0.00	ng/ul#	1
10) Acenaphthene	14.45	153	336	0.00	ng/ul#	80
11) Fluorene	15.49	166	372	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	679	0.00	ng/ul#	24
14) Phenanthrene	17.23	178	1669	0.00	ng/ul#	1
15) Anthracene	17.23	178	1651	0.00	ng/ul#	1
17) Fluoranthene	19.35	202	63	0.00	ng/ul#	1
19) Pyrene	19.53	202	6536	0.03	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	573	0.00	ng/ul#	35
21) Chrysene	21.35	228	372	0.00	ng/ul#	45
23) Benzo(b)fluoranthene	22.78	252	36	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.78	252	36	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	13358	0.00	ng/ul#	66
26) Indeno(1,2,3-cd)pyrene	25.68	276	19	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.68	278	84	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.40	276	10	0.00	ng/ul#	1

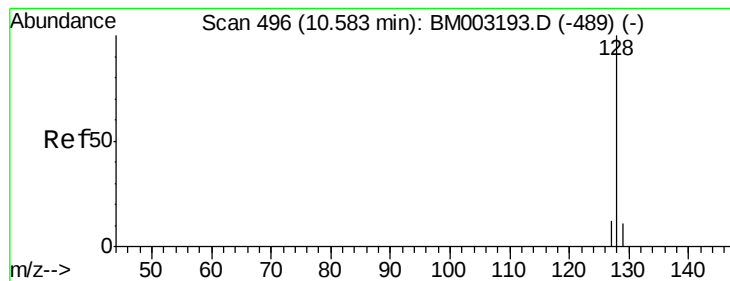
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.03 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

Instrument :

BNA_M

ClientSampleId :

A4HT9

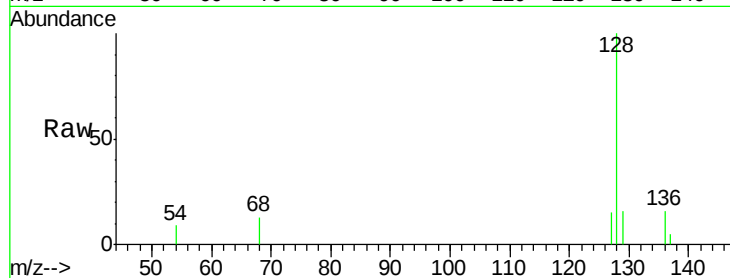
Tot Ion:128 Resp: 4584

Ion Ratio Lower Upper

128 100

129 15.9 9.0 13.6#

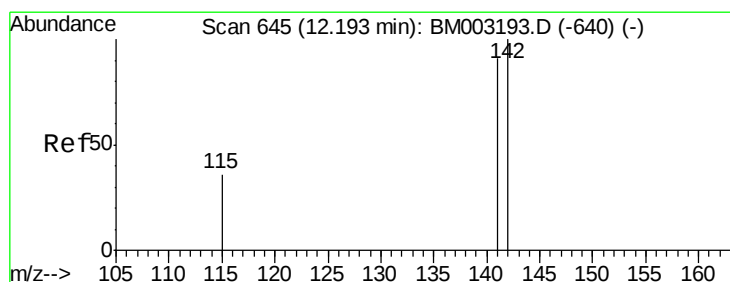
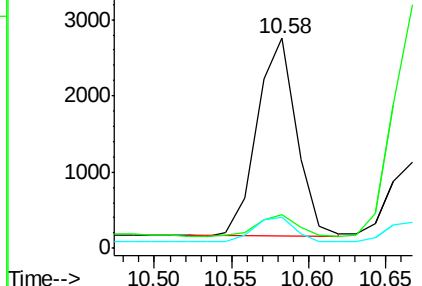
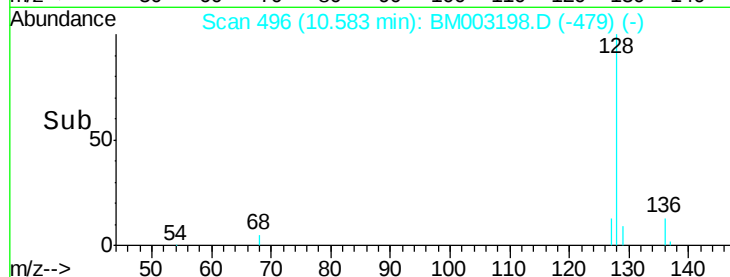
127 15.0 9.6 14.4#



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: 0.00 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003198.D

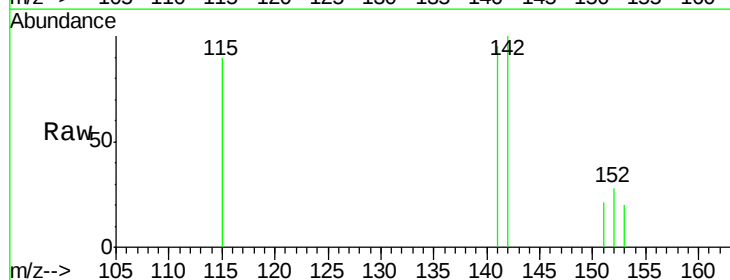
Acq: 19 Nov 2015 20:06

Tgt Ion:142 Resp: 493

Ion Ratio Lower Upper

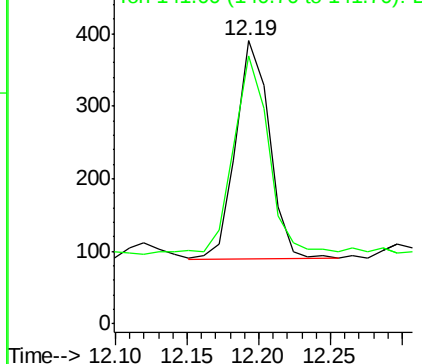
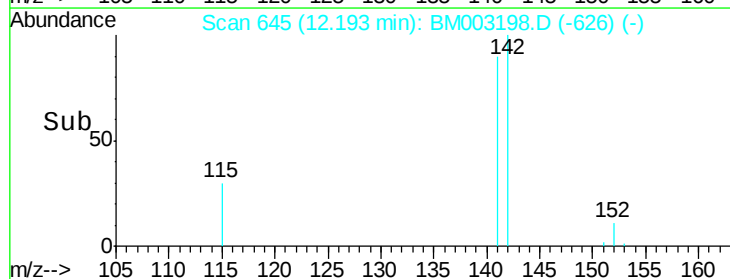
142 100

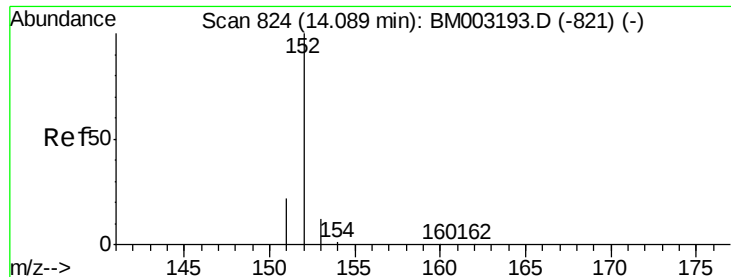
141 95.7 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.00 ng/ul

RT: 14.07 min Scan# 823

Delta R.T. -0.02 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

Instrument :

BNA_M

ClientSampleId :

A4HT9

Tot Ion:152 Resp: 451

Ion Ratio Lower Upper

152 100

151 50.0 17.6 26.4#

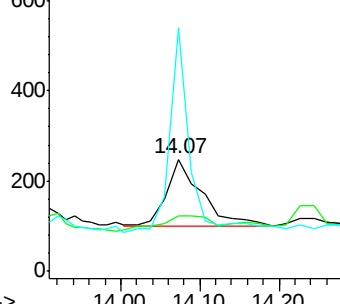
153 217.3 9.7 14.5#



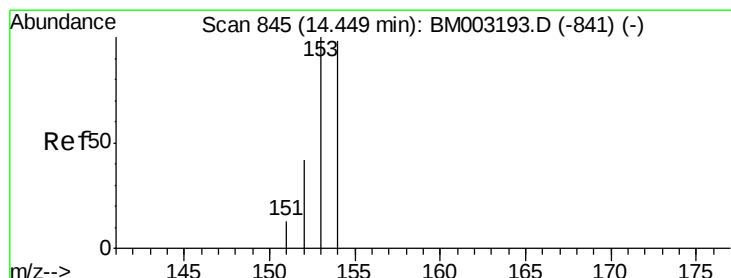
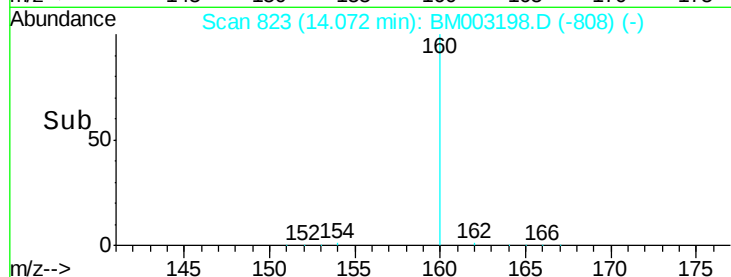
Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



Time-->



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

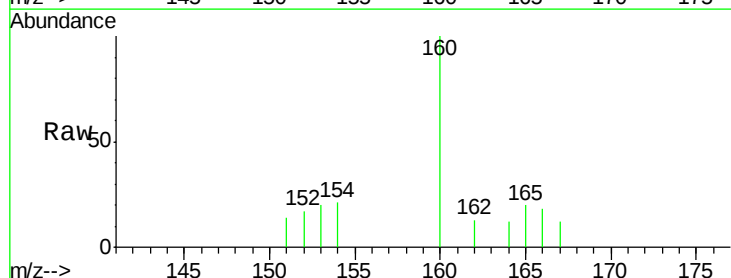
Tgt Ion:153 Resp: 336

Ion Ratio Lower Upper

153 100

152 83.6 33.9 50.9#

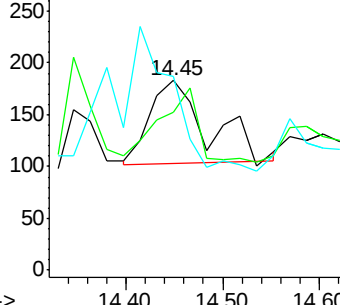
154 102.2 80.6 121.0



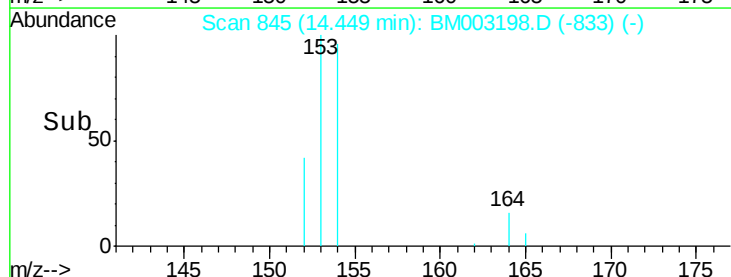
Abundance Ion 153.00 (152.70 to 153.70): E

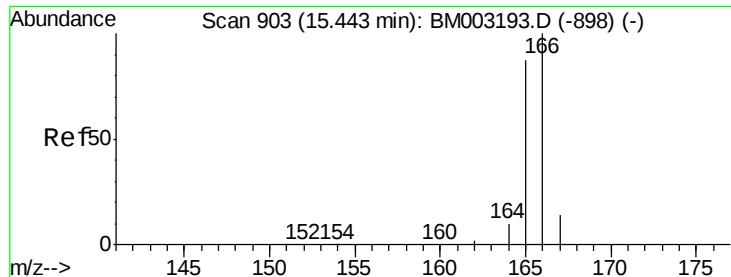
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->

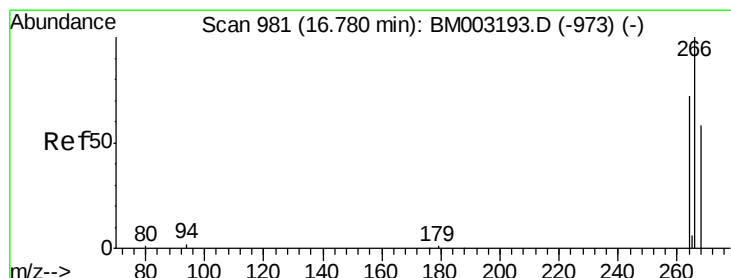
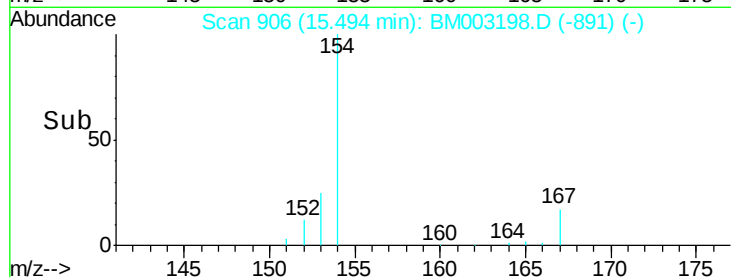
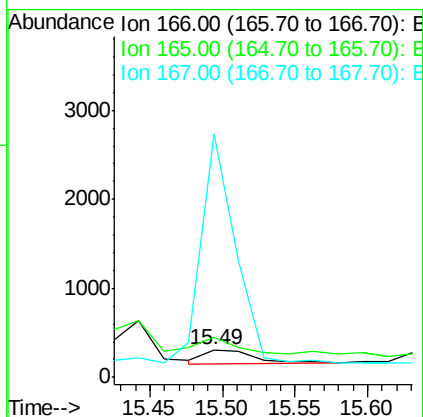
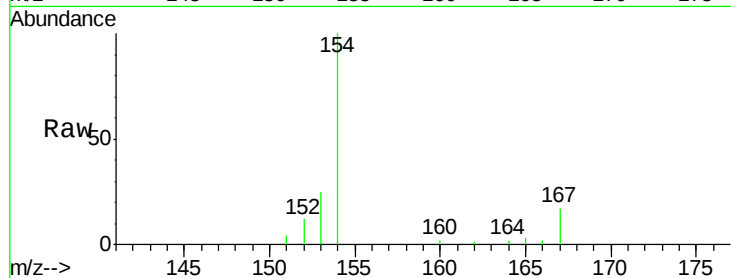




#11
 Fluorene
 Concen: 0.00 ng/ul
 RT: 15.49 min Scan# 906
 Delta R.T. 0.05 min
 Lab File: BM003198.D
 Acq: 19 Nov 2015 20:06

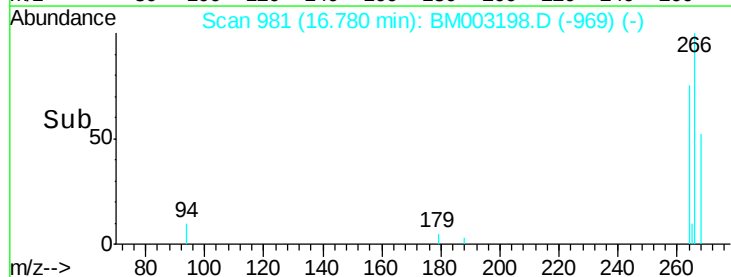
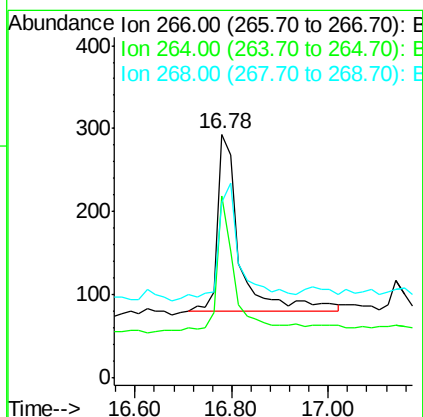
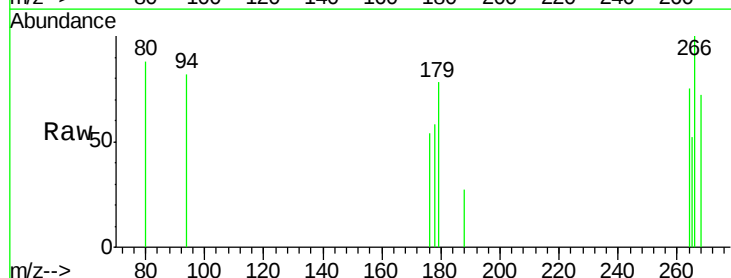
Instrument :
 BNA_M
 ClientSampleId :
 A4HT9

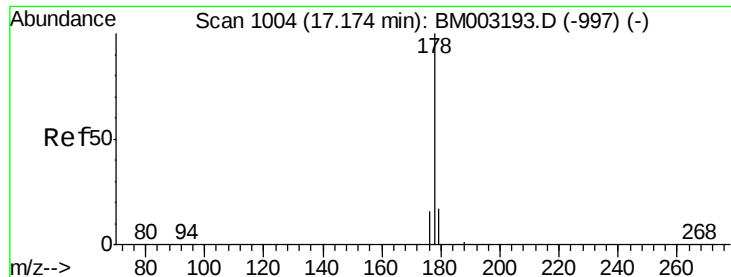
Tot Ion:166 Resp: 372
 Ion Ratio Lower Upper
 166 100
 165 146.6 69.6 104.4#
 167 885.4 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: BM003198.D
 Acq: 19 Nov 2015 20:06

Tgt Ion:266 Resp: 679
 Ion Ratio Lower Upper
 266 100
 264 57.3 0.3 0.5#
 268 57.4 0.0 0.0#





#14

Phenanthrene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. 0.05 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

Instrument :

BNA_M

ClientSampleId :

A4HT9

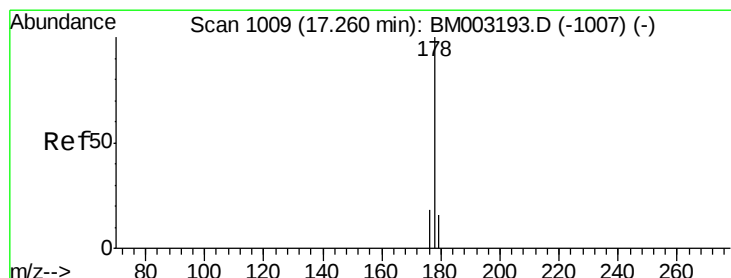
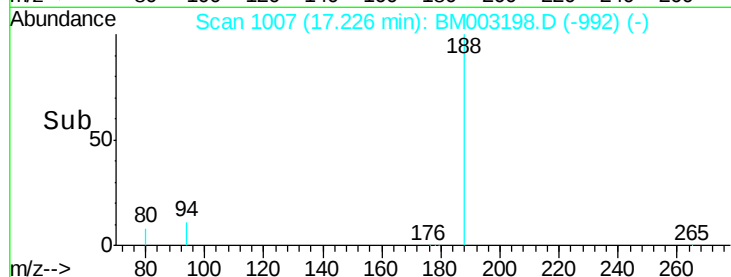
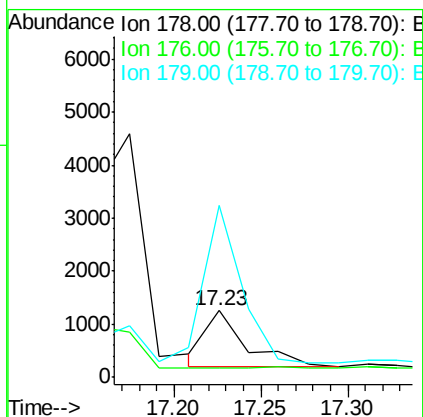
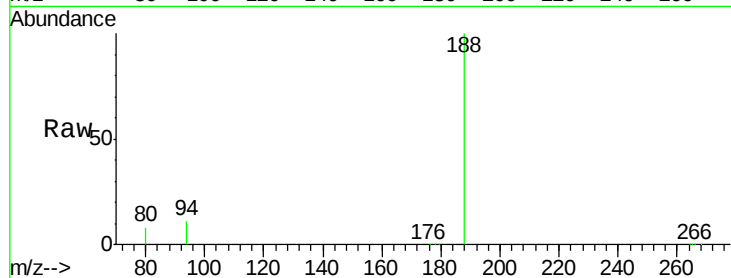
Tot Ion:178 Resp: 1669

Ion Ratio Lower Upper

178 100

176 14.0 13.0 19.4

179 258.1 14.2 21.2#



#15

Anthracene

Concen: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

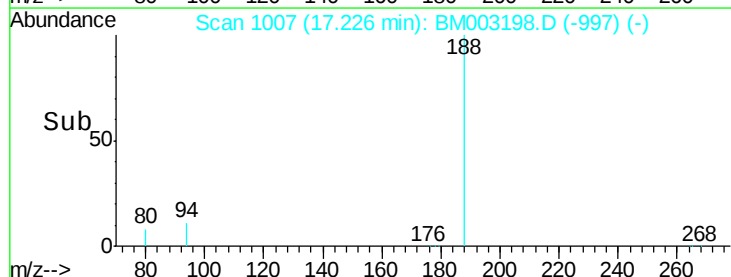
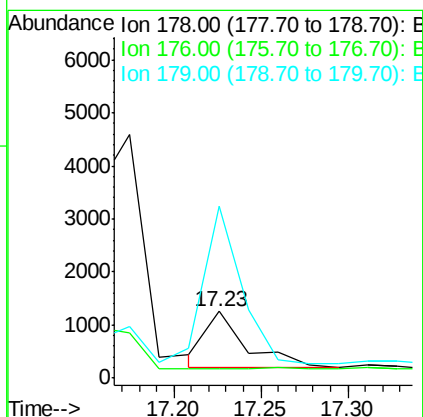
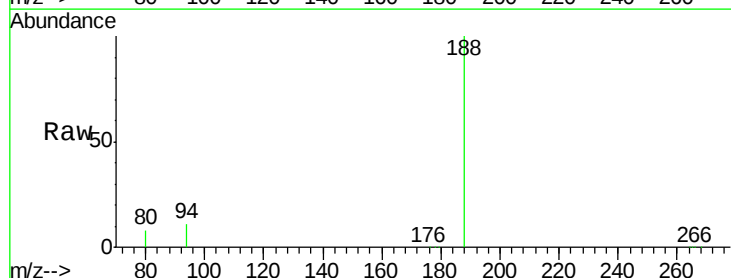
Tgt Ion:178 Resp: 1651

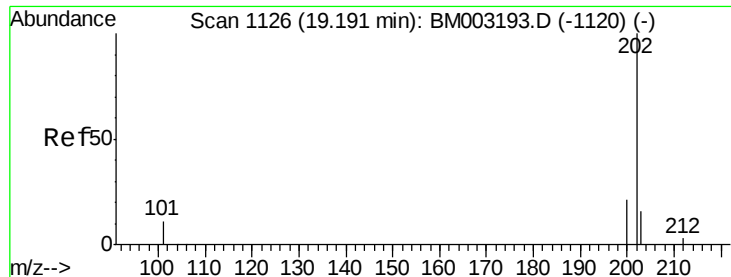
Ion Ratio Lower Upper

178 100

176 14.0 14.0 21.0

179 258.1 12.9 19.3#





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.35 min Scan# 1139

Delta R.T. 0.16 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

Instrument :

BNA_M

ClientSampleId :

A4HT9

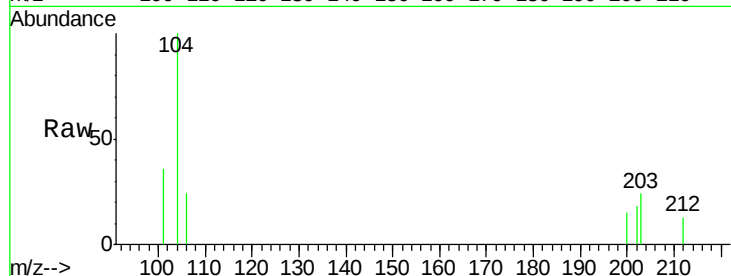
Tot Ion:202 Resp: 63

Ion Ratio Lower Upper

202 100

101 198.5 0.0 29.6#

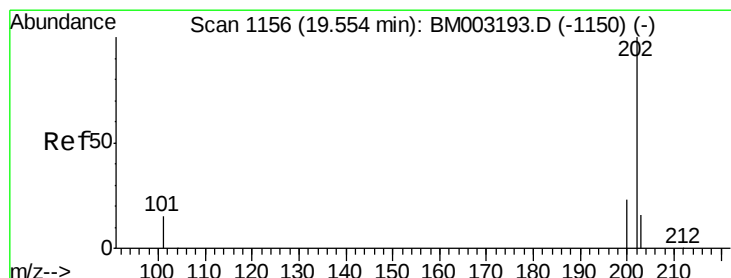
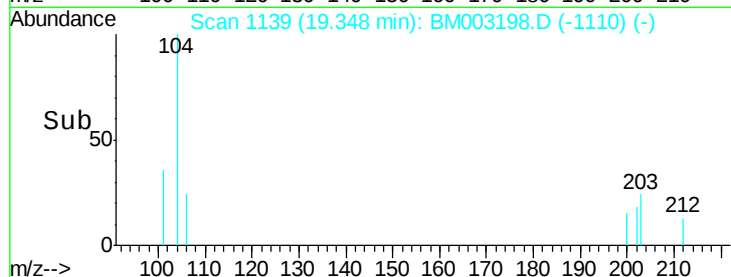
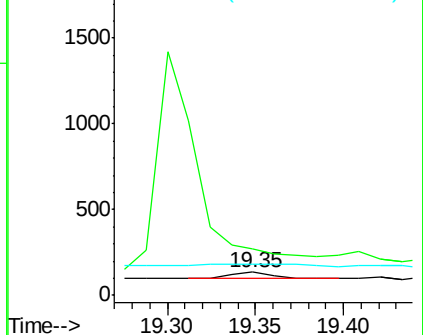
203 131.9 0.0 36.3#



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: 0.03 ng/ul

RT: 19.53 min Scan# 1154

Delta R.T. -0.02 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

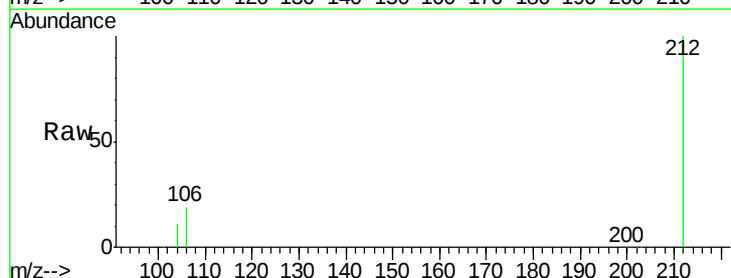
Tgt Ion:202 Resp: 6536

Ion Ratio Lower Upper

202 100

200 4.6 17.8 26.8#

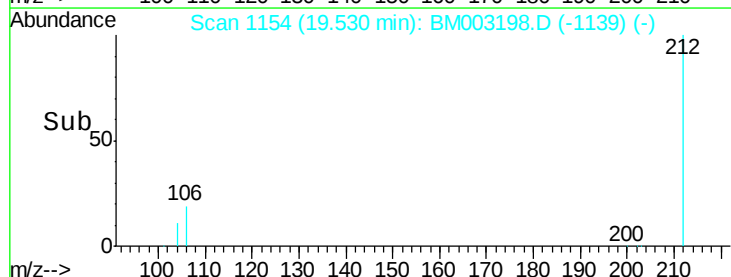
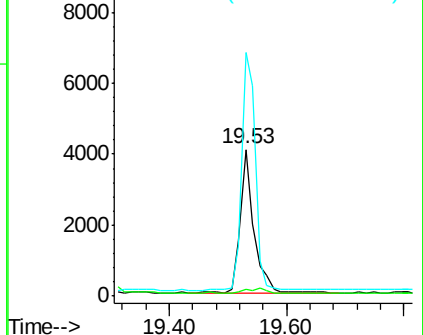
203 166.0 12.8 19.2#

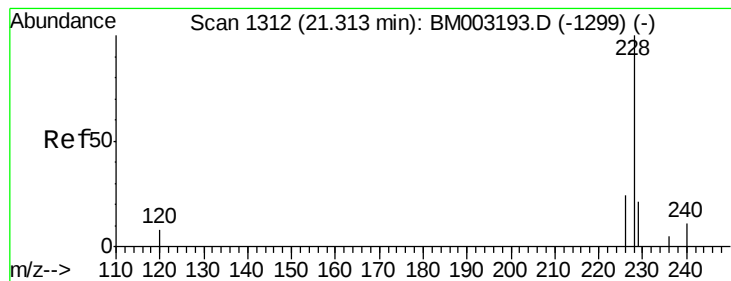


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. 0.00 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

Instrument :

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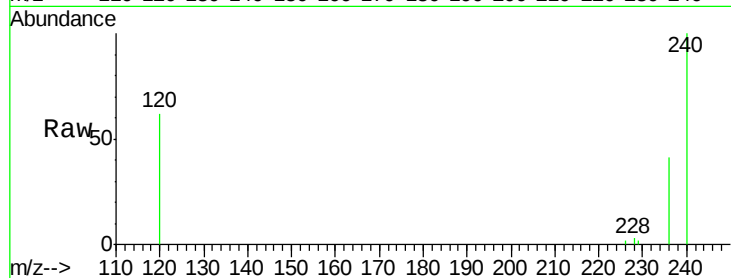
Tot Ion:228 Resp: 573

Ion Ratio Lower Upper

228 100

226 52.9 18.8 28.2#

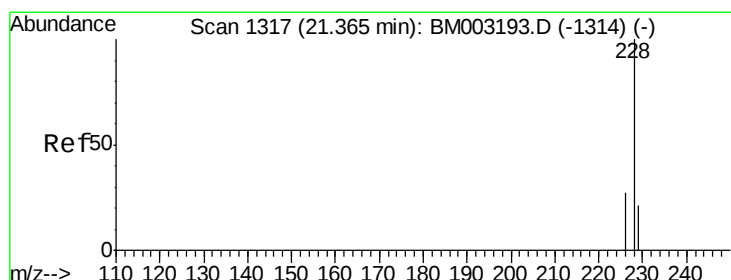
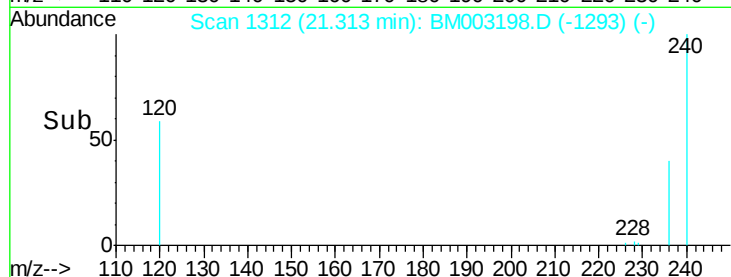
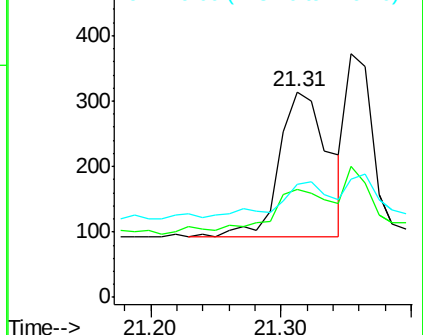
229 55.1 17.1 25.7#



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



#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.35 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

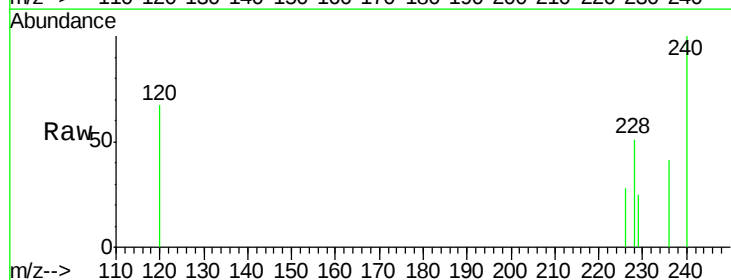
Tgt Ion:228 Resp: 372

Ion Ratio Lower Upper

228 100

226 53.8 21.2 31.8#

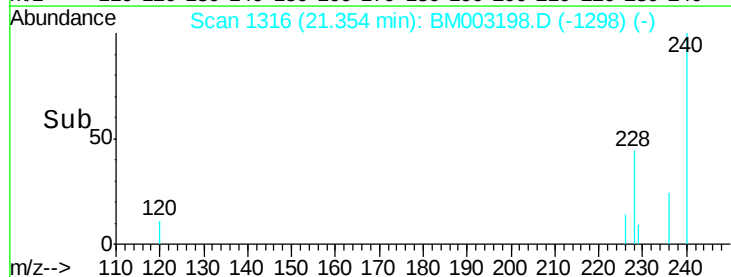
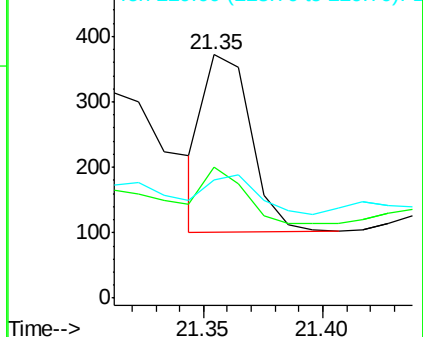
229 48.7 17.0 25.6#

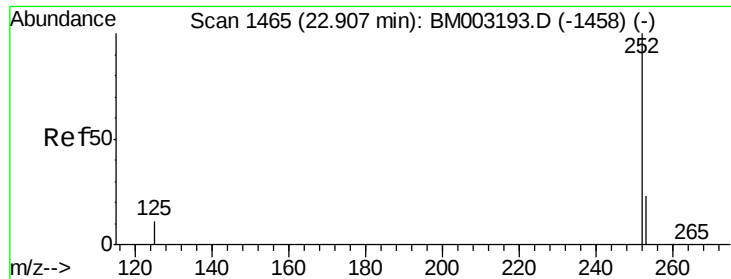


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 22.78 min Scan# 1453

Delta R.T. -0.13 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

Instrument :

BNA_M

ClientSampleId :

A4HT9

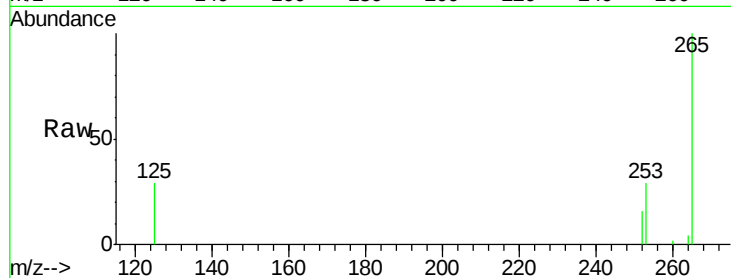
Tot Ion:252 Resp: 36

Ion Ratio Lower Upper

252 100

253 175.9 0.0 45.4#

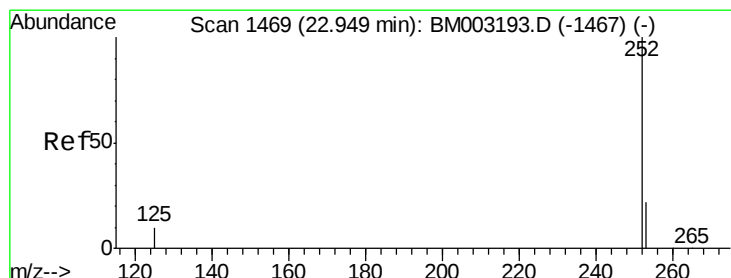
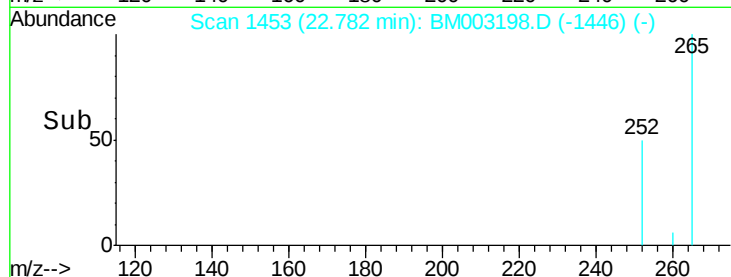
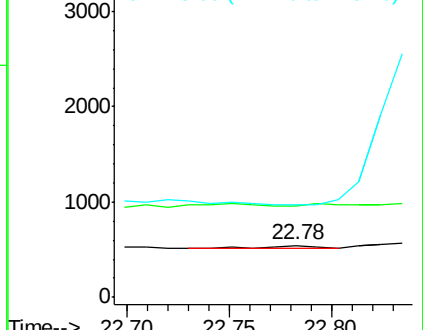
125 178.6 0.0 28.8#



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



#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 22.78 min Scan# 1453

Delta R.T. -0.17 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

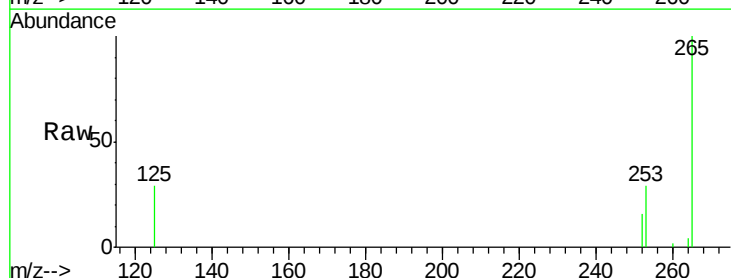
Tgt Ion:252 Resp: 36

Ion Ratio Lower Upper

252 100

253 175.9 19.8 29.8#

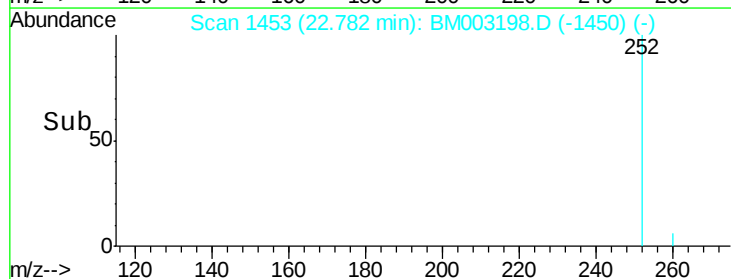
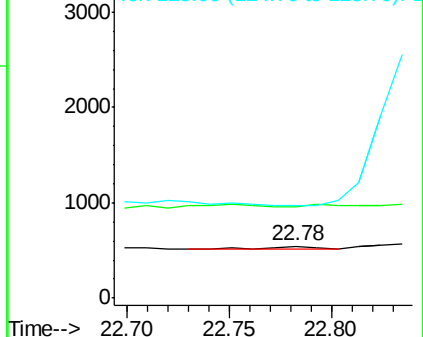
125 178.6 10.4 15.6#

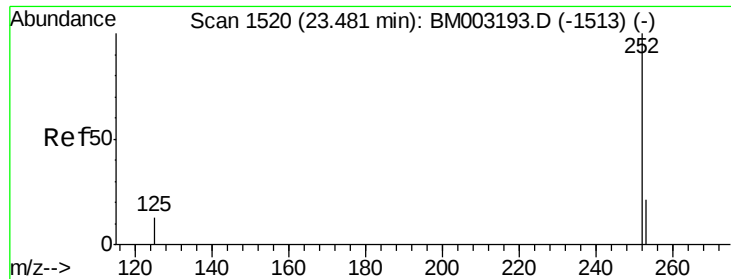


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

Instrument :

BNA_M

ClientSampleId :

A4HT9

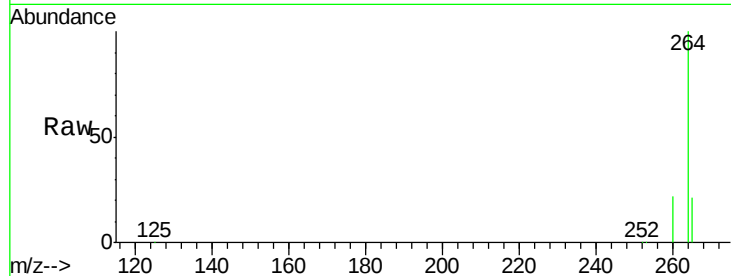
Tot Ion:252 Resp: 13358

Ion Ratio Lower Upper

252 100

253 37.7 19.4 29.2#

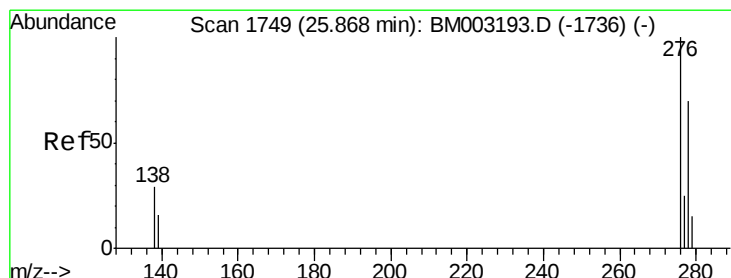
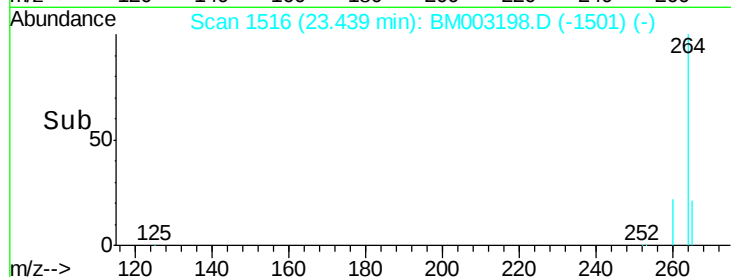
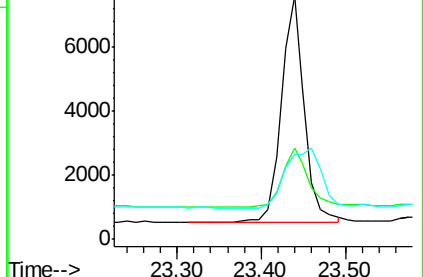
125 34.6 12.7 19.1#



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/u1

RT: 25.68 min Scan# 1731

Delta R.T. -0.19 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

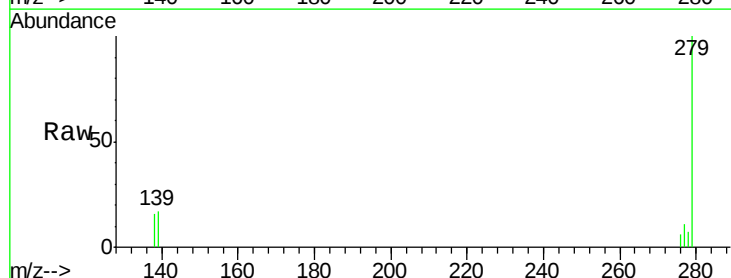
Tgt Ion:276 Resp: 19

Ion Ratio Lower Upper

276 100

138 0.0 0.0 0.0

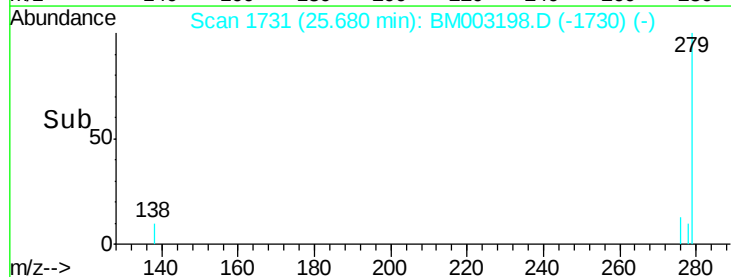
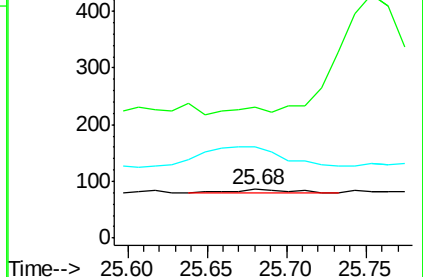
277 726.3 0.0 0.0#

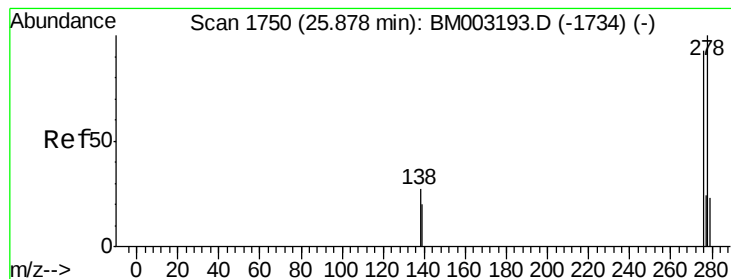


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.68 min Scan# 1731

Delta R.T. -0.20 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

Instrument :

BNA_M

ClientSampleId :

A4HT9

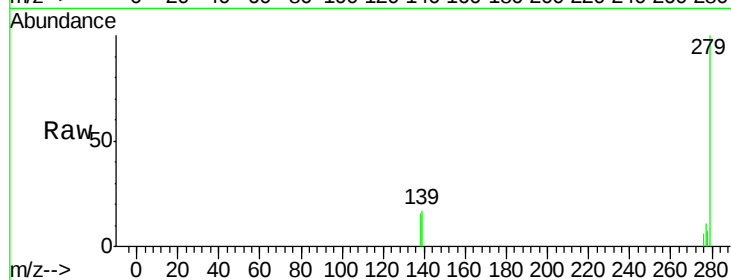
Tot Ion:278 Resp: 84

Ion Ratio Lower Upper

278 100

139 229.9 16.4 24.6#

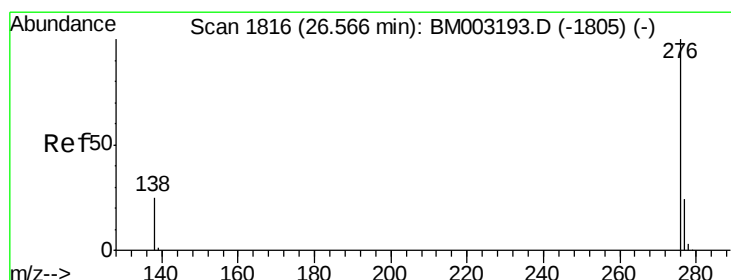
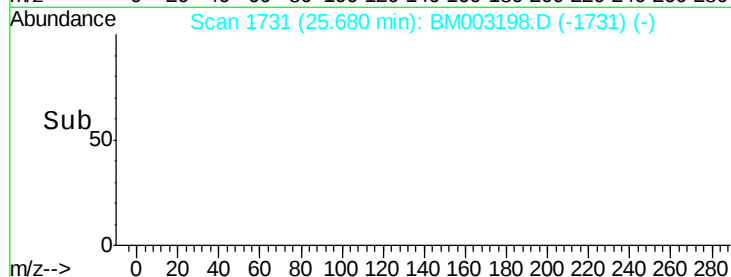
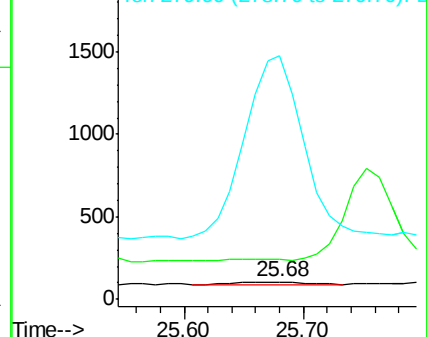
279 1379.4 20.2 30.2#



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.40 min Scan# 1800

Delta R.T. -0.17 min

Lab File: BM003198.D

Acq: 19 Nov 2015 20:06

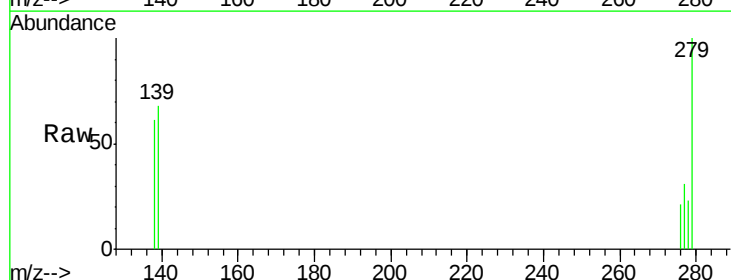
Tgt Ion:276 Resp: 10

Ion Ratio Lower Upper

276 100

277 147.6 18.9 28.3#

138 286.6 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

