

Data Path : Z:\HPCHEM1\BNA M\DATA\BM111915\
 Data File : BM003197.D
 Acq On : 19 Nov 2015 19:30
 Operator : UM/IZ
 Sample : G4323-07
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT8

Quant Time: Nov 20 03:40:36 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	16299	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	63511	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	33819	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	4080331	0.40	ng/ul	0.10
18) Chrysene-d12	21.32	240	57899	0.40	ng/ul	-0.01
22) Perylene-d12	23.45	264	3553148	0.40	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	90917	5.22	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	23934	0.28	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	40608	0.00	ng/ul	0.00

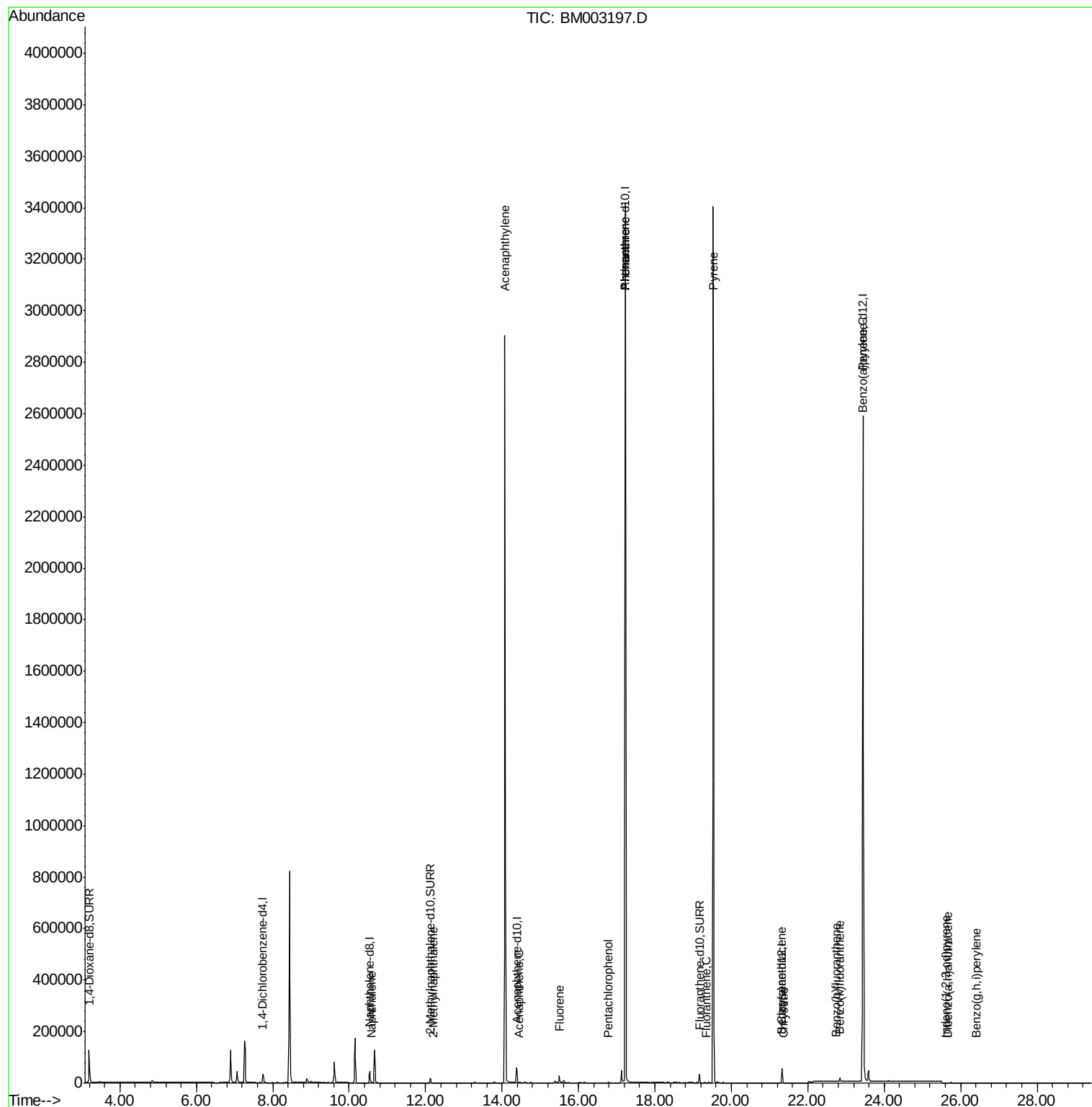
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.58	128	3085	0.02	ng/ul#	87
7) 2-Methylnaphthalene	12.19	142	380	0.00	ng/ul#	100
9) Acenaphthylene	14.07	152	484	0.00	ng/ul#	1
10) Acenaphthene	14.45	153	259	0.00	ng/ul#	78
11) Fluorene	15.49	166	375	0.00	ng/ul#	1
13) Pentachlorophenol	16.78	266	558	0.00	ng/ul#	12
14) Phenanthrene	17.23	178	1819	0.00	ng/ul#	1
15) Anthracene	17.23	178	1793	0.00	ng/ul#	1
17) Fluoranthene	19.35	202	69	0.00	ng/ul#	1
19) Pyrene	19.53	202	6797	0.03	ng/ul#	1
20) Benzo(a)anthracene	21.31	228	682	0.00	ng/ul#	45
21) Chrysene	21.36	228	432	0.00	ng/ul#	50
23) Benzo(b)fluoranthene	22.75	252	29	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.83	252	109	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.44	252	13405	0.00	ng/ul#	67
26) Indeno(1,2,3-cd)pyrene	25.62	276	24	0.00	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.67	278	16	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	26.41	276	108	0.00	ng/ul#	1

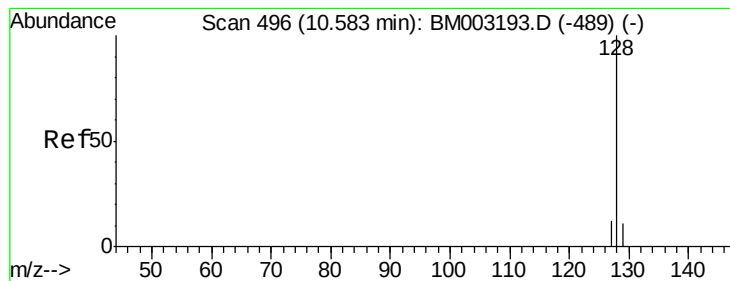
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.02 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. -0.00 min

Lab File: BM003197.D

Acq: 19 Nov 2015 19:30

Instrument :

BNA_M

ClientSampleId :

A4HT8

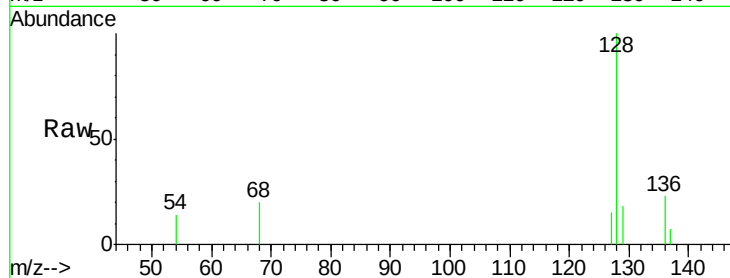
Tot Ion:128 Resp: 3085

Ion Ratio Lower Upper

128 100

129 18.3 9.0 13.6#

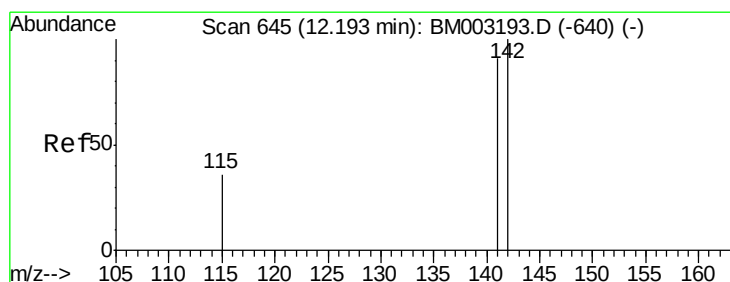
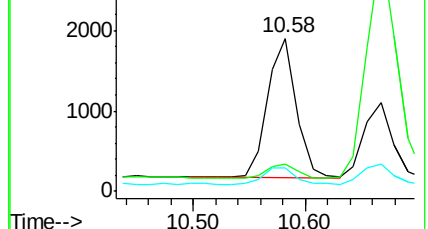
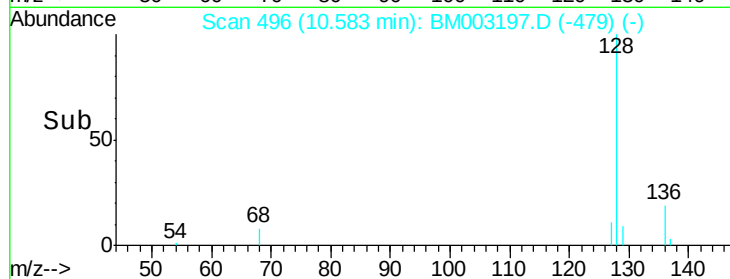
127 15.4 9.6 14.4#



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: BM003197.D

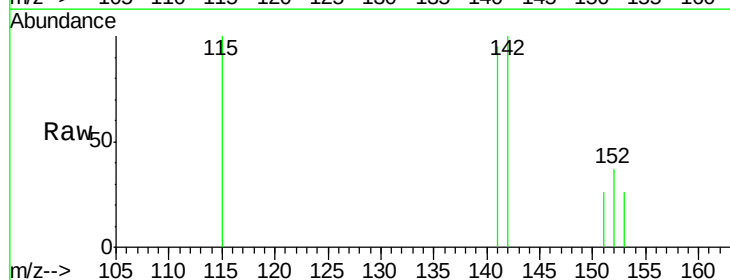
Acq: 19 Nov 2015 19:30

Tgt Ion:142 Resp: 380

Ion Ratio Lower Upper

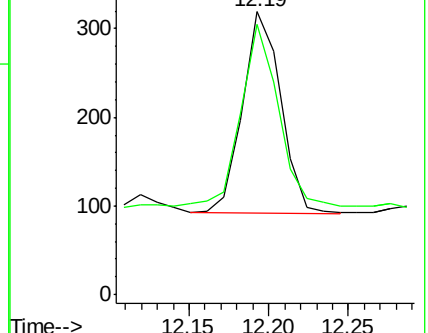
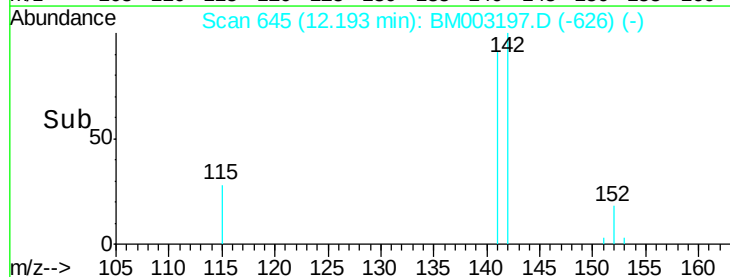
142 100

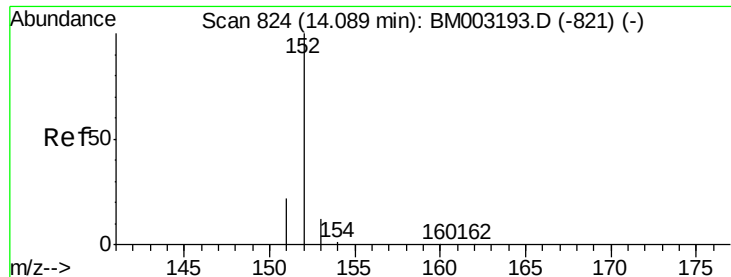
141 92.9 0.0 0.0#



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: BM003197.D

Acq: 19 Nov 2015 19:30

Instrument :

BNA_M

ClientSampleId :

A4HT8

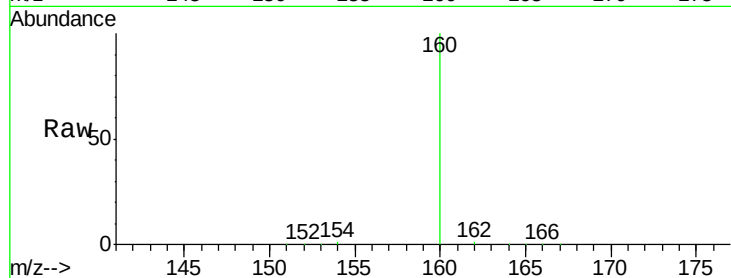
Tot Ion:152 Resp: 484

Ion Ratio Lower Upper

152 100

151 48.6 17.6 26.4#

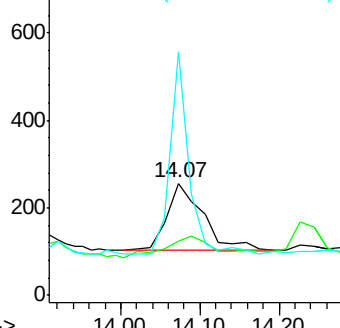
153 216.7 9.7 14.5#



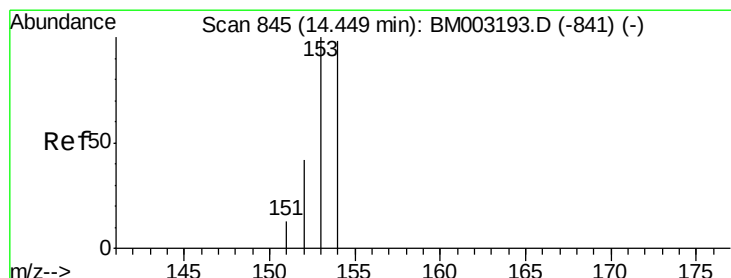
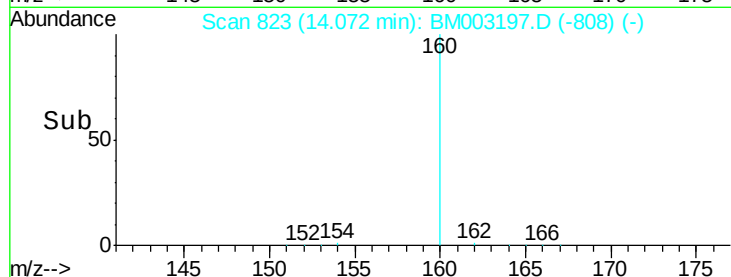
Abundance Ion 152.00 (151.70 to 152.70): E

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: BM003197.D

Acq: 19 Nov 2015 19:30

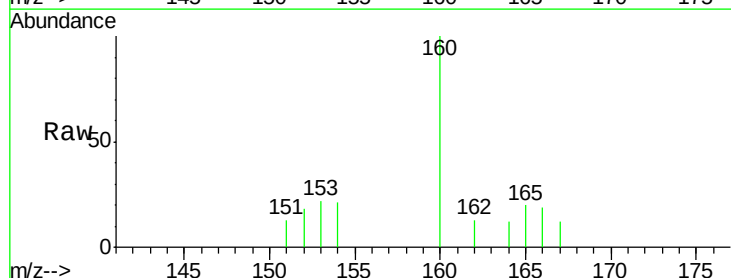
Tgt Ion:153 Resp: 259

Ion Ratio Lower Upper

153 100

152 80.6 33.9 50.9#

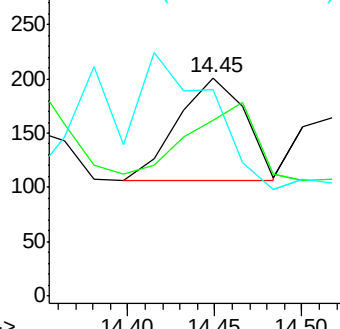
154 94.5 80.6 121.0



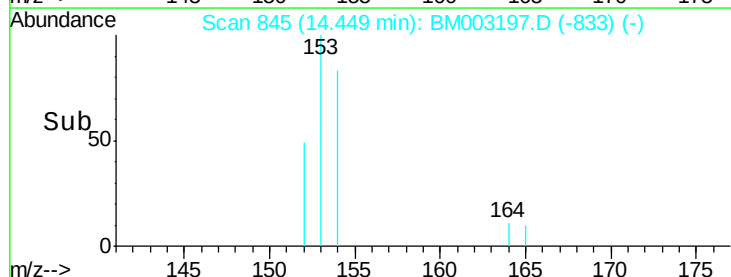
Abundance Ion 153.00 (152.70 to 153.70): E

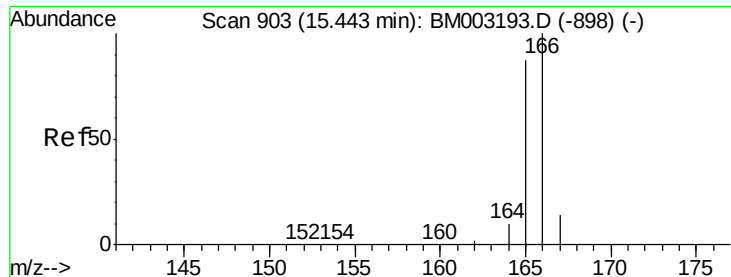
Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E



Time-->

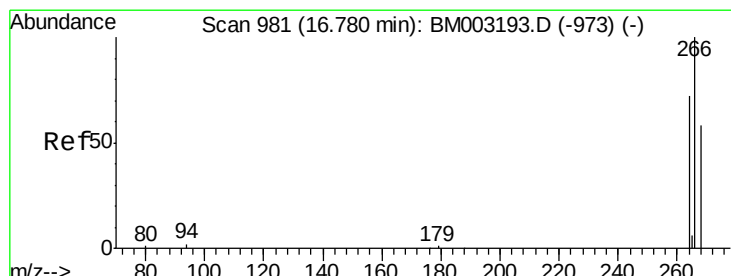
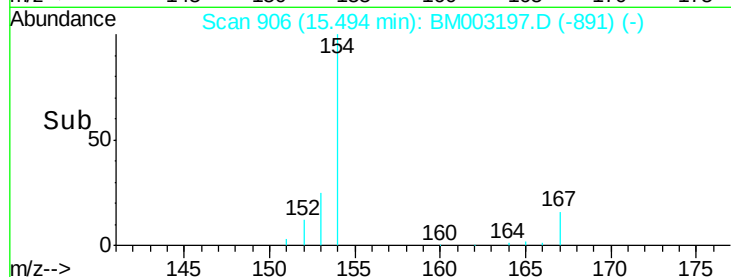
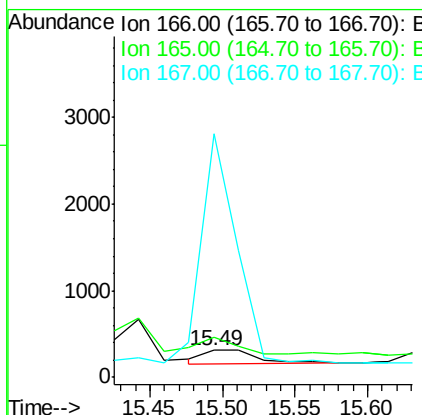
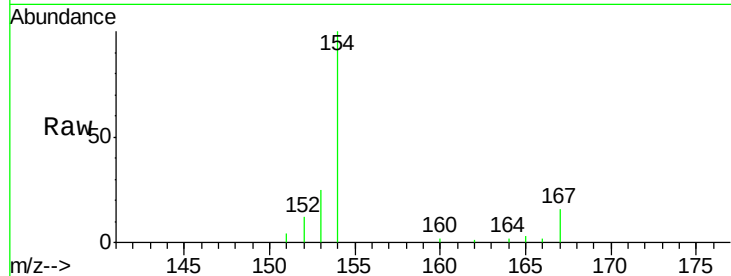




#11
 Fluorene
 Concen: 0.00 ng/ul
 RT: 15.49 min Scan# 906
 Delta R.T. 0.05 min
 Lab File: BM003197.D
 Acq: 19 Nov 2015 19:30

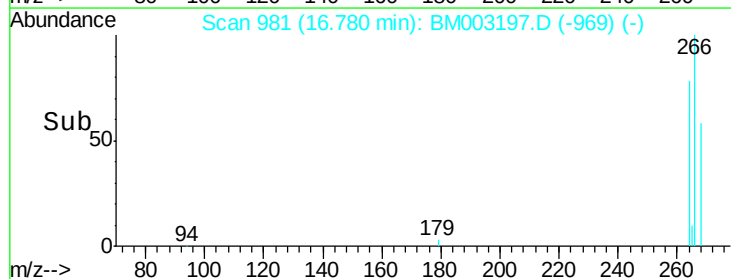
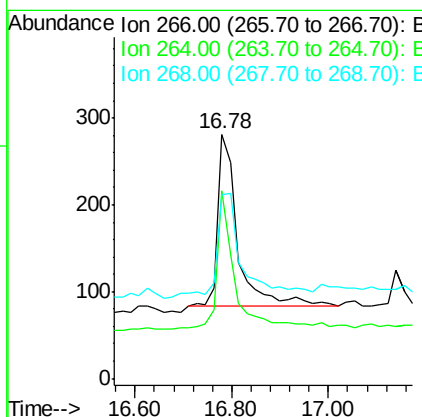
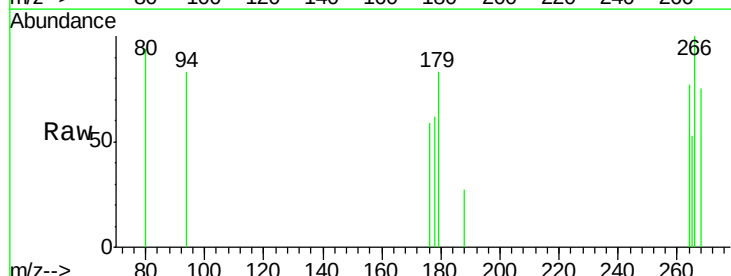
Instrument :
 BNA_M
 ClientSampleId :
 A4HT8

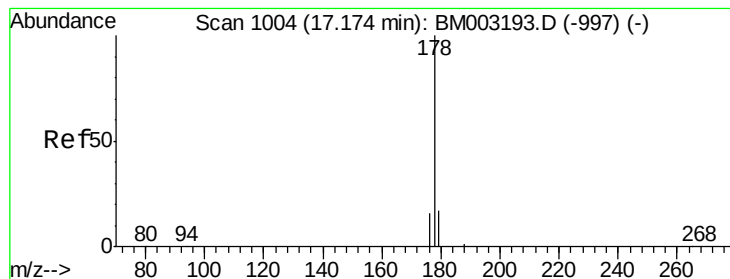
Tot Ion:166 Resp: 375
 Ion Ratio Lower Upper
 166 100
 165 150.6 69.6 104.4#
 167 906.5 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.78 min Scan# 981
 Delta R.T. -0.00 min
 Lab File: BM003197.D
 Acq: 19 Nov 2015 19:30

Tgt Ion:266 Resp: 558
 Ion Ratio Lower Upper
 266 100
 264 66.8 0.3 0.5#
 268 64.9 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: BM003197.D

Acq: 19 Nov 2015 19:30

Instrument :

BNA_M

ClientSampleId :

A4HT8

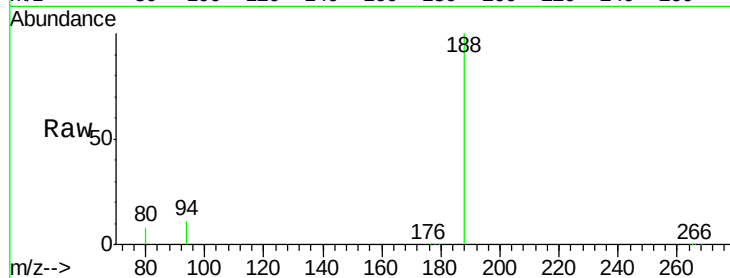
Tot Ion:178 Resp: 1819

Ion Ratio Lower Upper

178 100

176 13.5 13.0 19.4

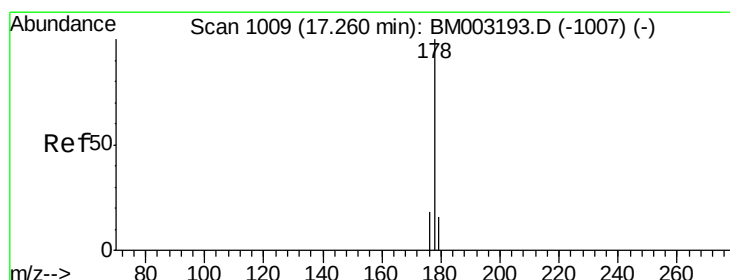
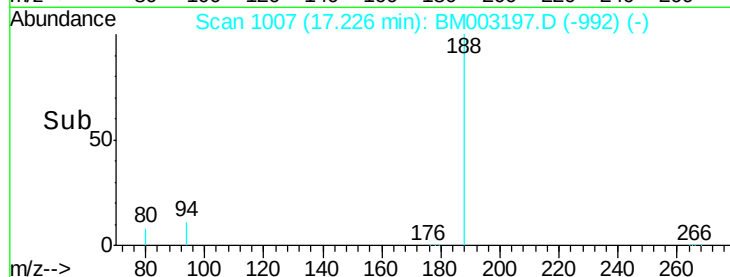
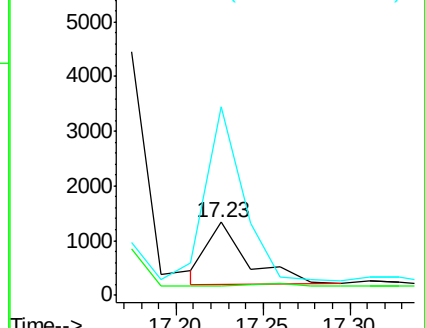
179 258.9 14.2 21.2#



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: 0.00 ng/ul

RT: 17.23 min Scan# 1007

Delta R.T. -0.03 min

Lab File: BM003197.D

Acq: 19 Nov 2015 19:30

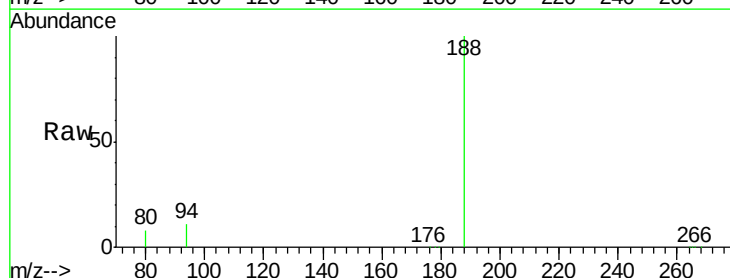
Tgt Ion:178 Resp: 1793

Ion Ratio Lower Upper

178 100

176 13.5 14.0 21.0#

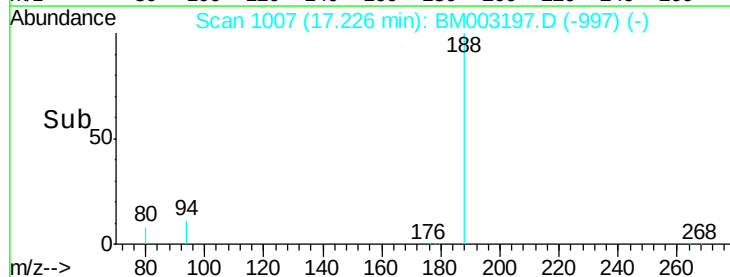
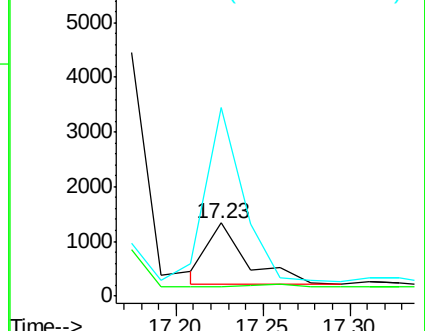
179 258.9 12.9 19.3#

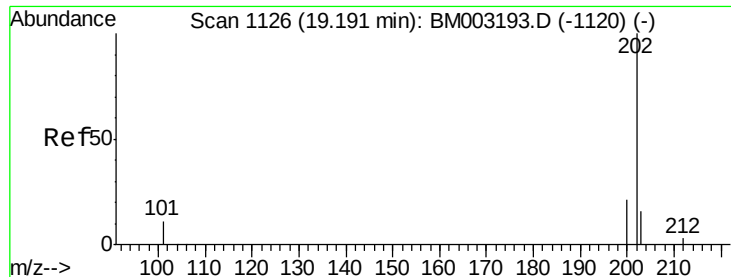


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

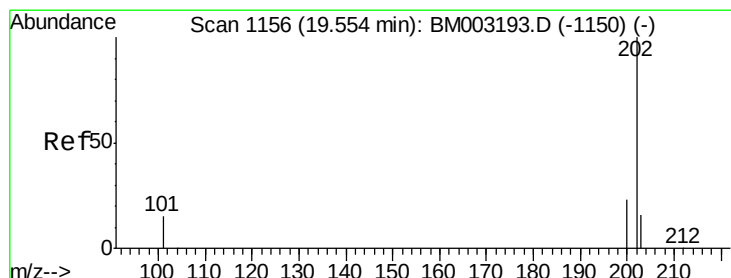
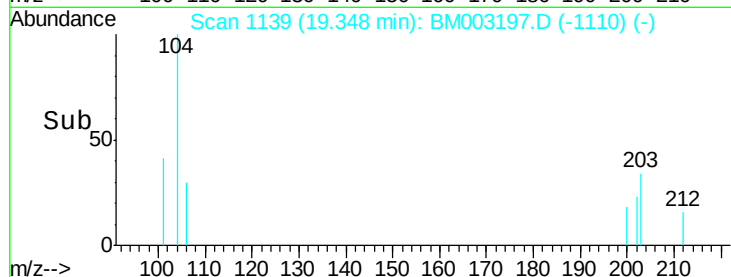
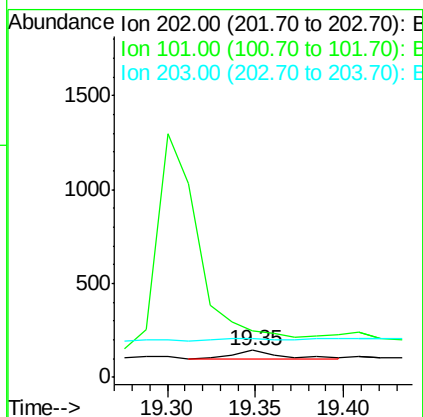
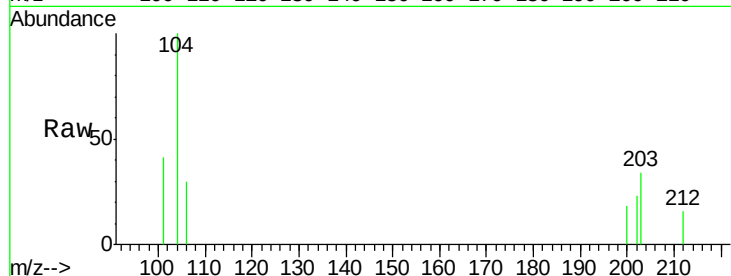




#17
Fluoranthene
Concen: 0.00 ng/ul
RT: 19.35 min Scan# 1139
Delta R.T. 0.16 min
Lab File: BM003197.D
Acq: 19 Nov 2015 19:30

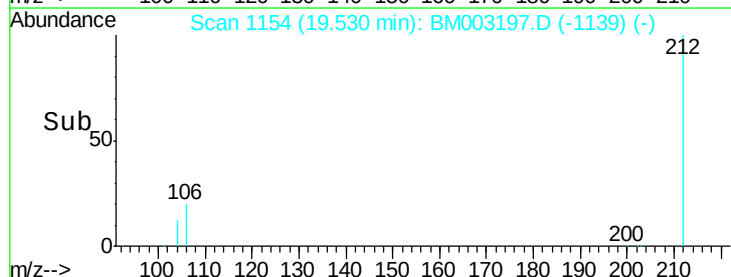
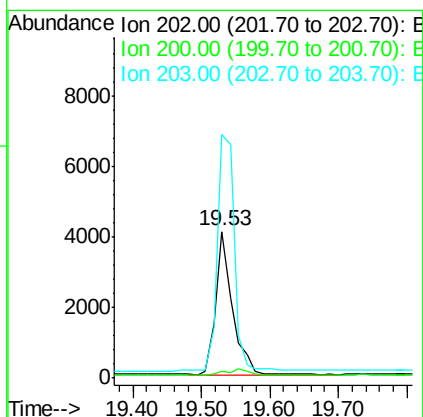
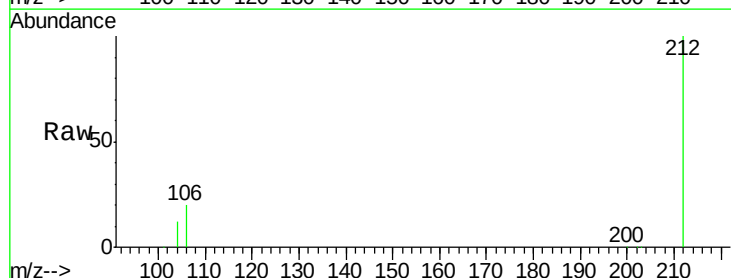
Instrument :
BNA_M
ClientSampleId :
A4HT8

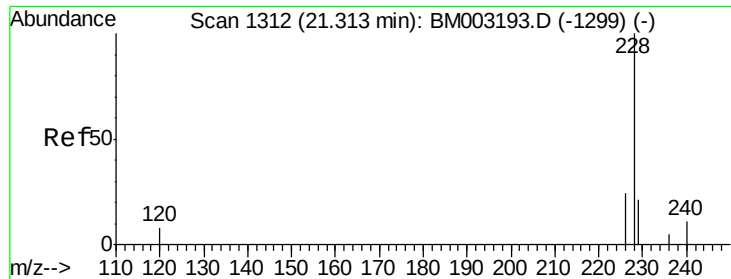
Tot Ion:202 Resp: 69
Ion Ratio Lower Upper
202 100
101 174.8 0.0 29.6#
203 144.8 0.0 36.3#



#19
Pyrene
Concen: 0.03 ng/ul
RT: 19.53 min Scan# 1154
Delta R.T. -0.02 min
Lab File: BM003197.D
Acq: 19 Nov 2015 19:30

Tgt Ion:202 Resp: 6797
Ion Ratio Lower Upper
202 100
200 4.7 17.8 26.8#
203 166.4 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.00 ng/ul

RT: 21.31 min Scan# 1312

Delta R.T. -0.00 min

Lab File: BM003197.D

Acq: 19 Nov 2015 19:30

Instrument :

BNA_M

ClientSampleId :

A4HT8

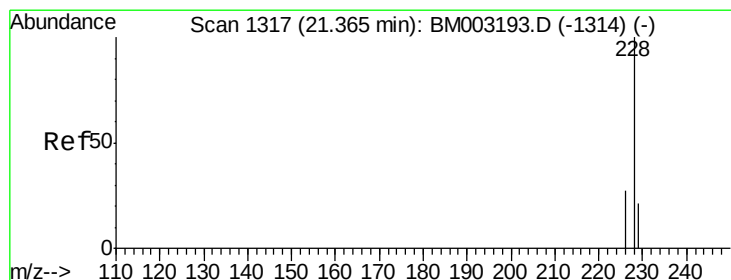
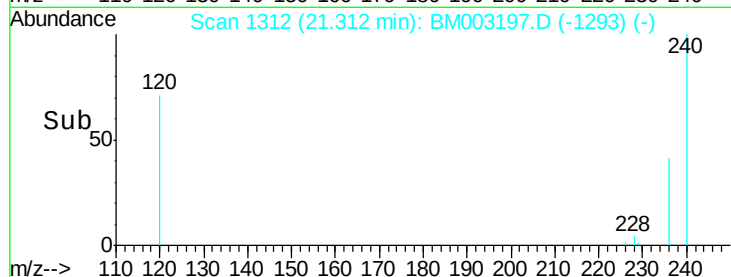
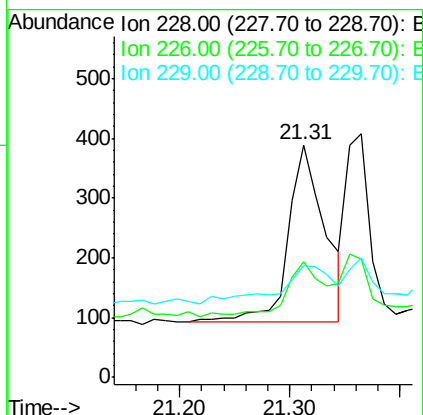
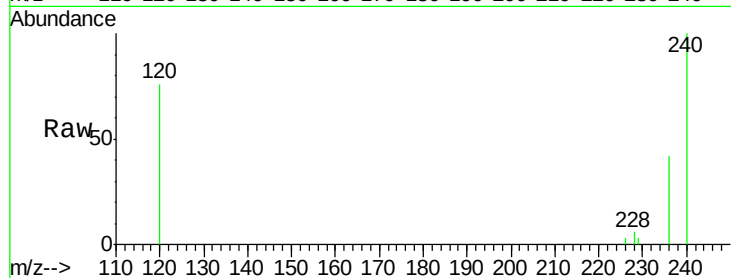
Tot Ion:228 Resp: 682

Ion Ratio Lower Upper

228 100

226 49.9 18.8 28.2#

229 48.3 17.1 25.7#



#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.36 min Scan# 1317

Delta R.T. -0.00 min

Lab File: BM003197.D

Acq: 19 Nov 2015 19:30

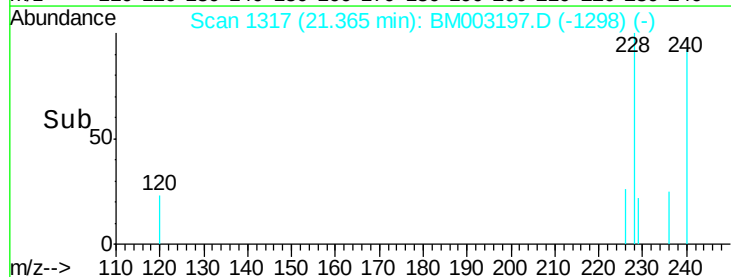
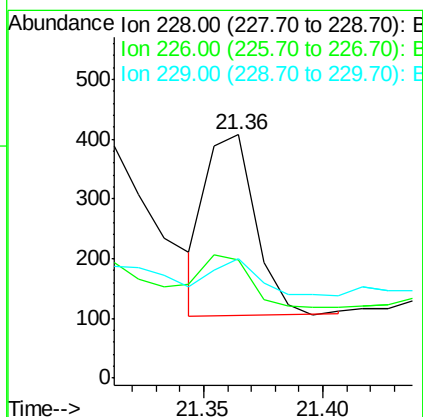
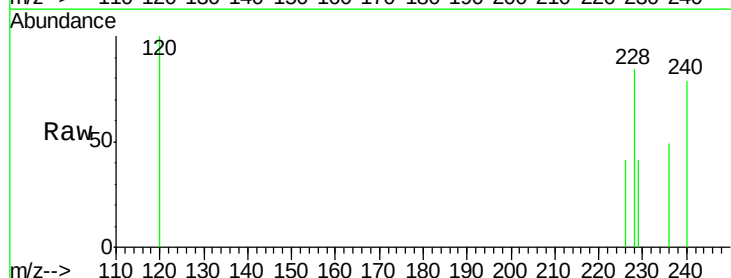
Tgt Ion:228 Resp: 432

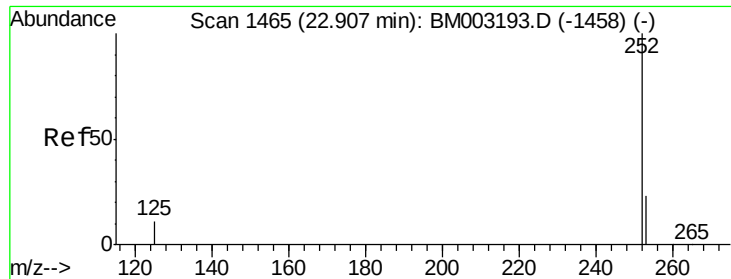
Ion Ratio Lower Upper

228 100

226 48.8 21.2 31.8#

229 49.0 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.75 min Scan# 1450

Delta R.T. -0.16 min

Lab File: BM003197.D

Acq: 19 Nov 2015 19:30

Instrument :

BNA_M

ClientSampleId :

A4HT8

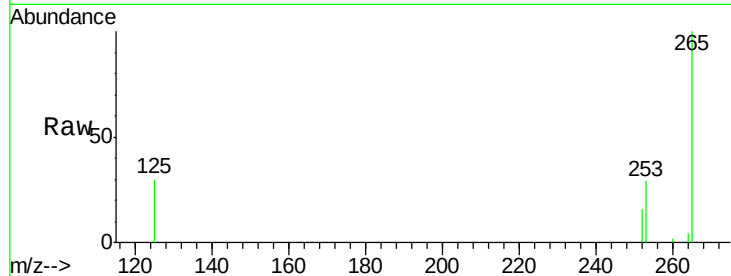
Tot Ion:252 Resp: 29

Ion Ratio Lower Upper

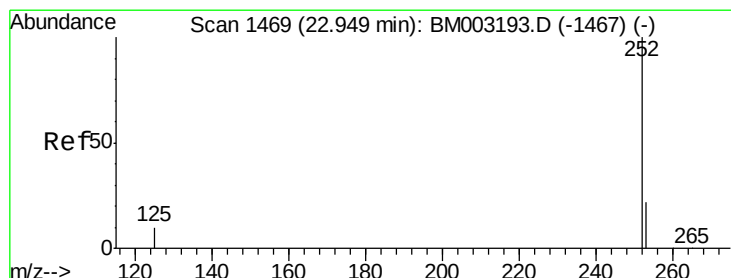
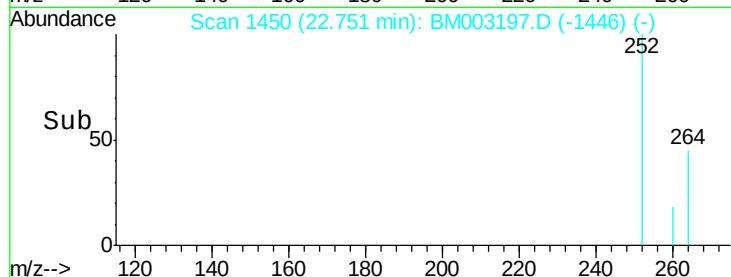
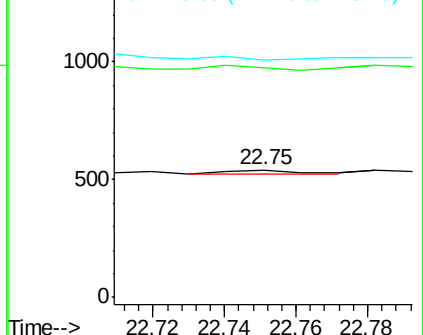
252 100

253 180.7 0.0 45.4#

125 186.5 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/ul

RT: 22.83 min Scan# 1458

Delta R.T. -0.11 min

Lab File: BM003197.D

Acq: 19 Nov 2015 19:30

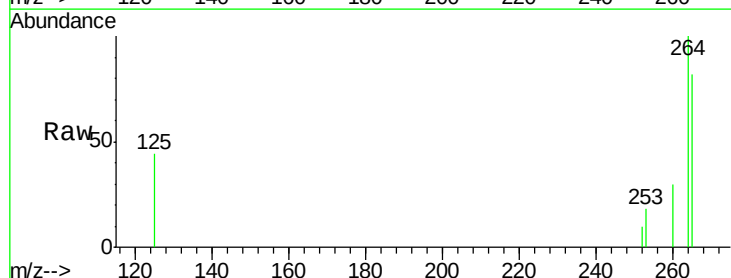
Tgt Ion:252 Resp: 109

Ion Ratio Lower Upper

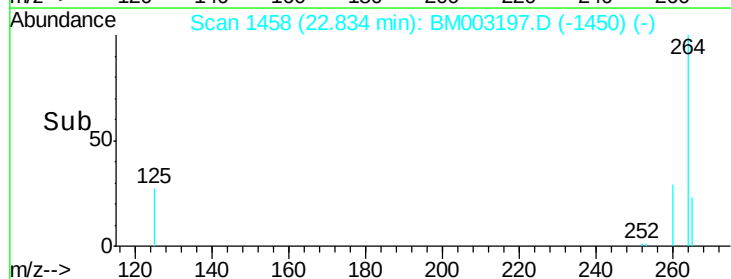
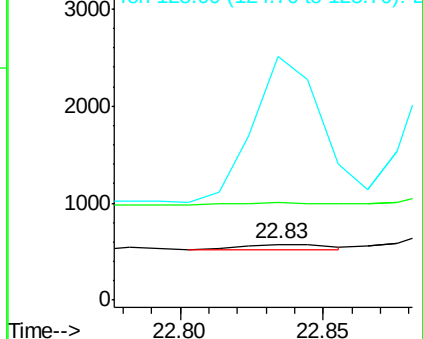
252 100

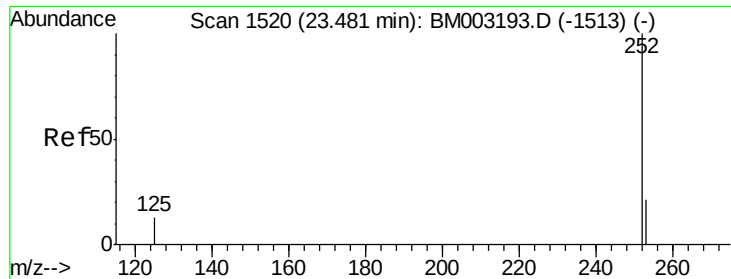
253 174.9 19.8 29.8#

125 437.3 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/ul

RT: 23.44 min Scan# 1516

Delta R.T. -0.04 min

Lab File: BM003197.D

Acq: 19 Nov 2015 19:30

Instrument :

BNA_M

ClientSampleId :

A4HT8

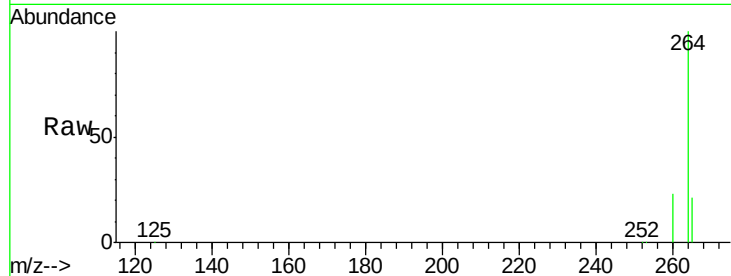
Tot Ion:252 Resp: 13405

Ion Ratio Lower Upper

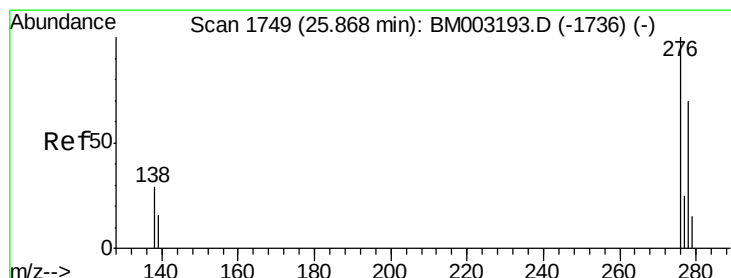
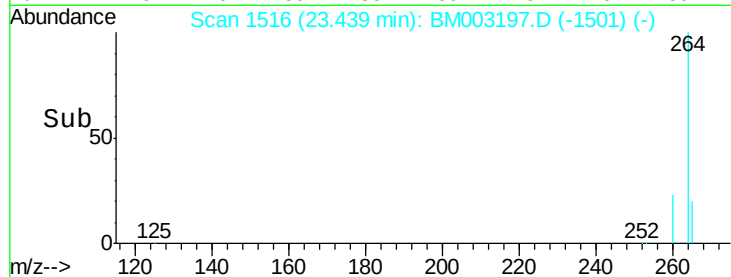
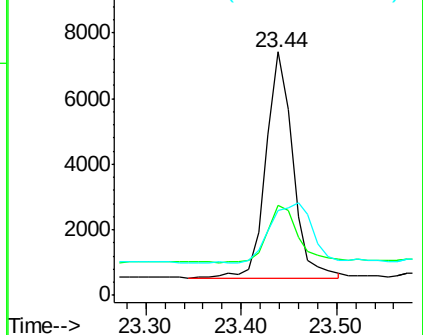
252 100

253 36.8 19.4 29.2#

125 34.8 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/ul

RT: 25.62 min Scan# 1725

Delta R.T. -0.25 min

Lab File: BM003197.D

Acq: 19 Nov 2015 19:30

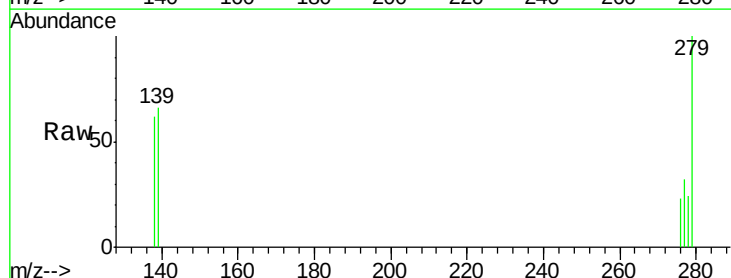
Tgt Ion:276 Resp: 24

Ion Ratio Lower Upper

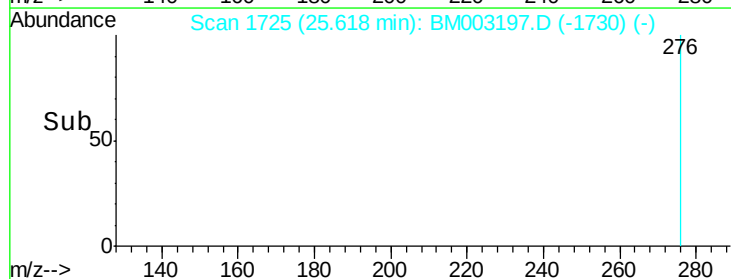
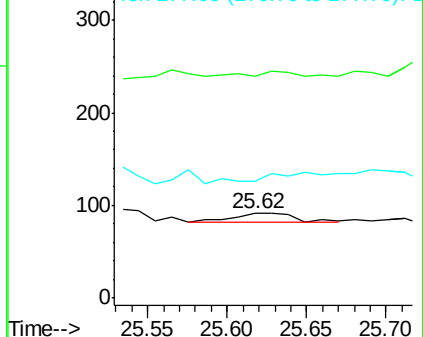
276 100

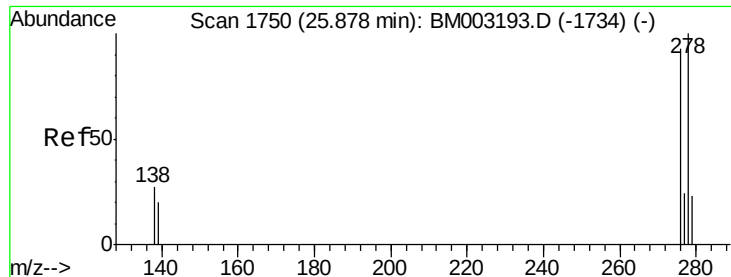
138 0.0 0.0 0.0

277 0.0 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

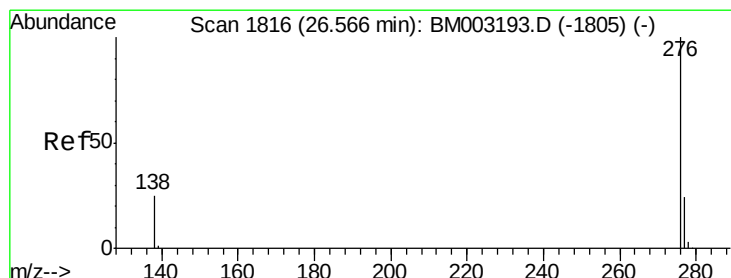
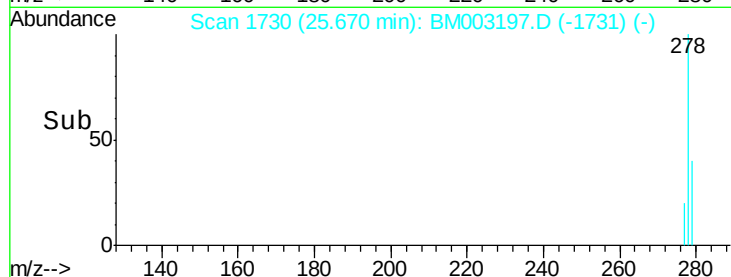
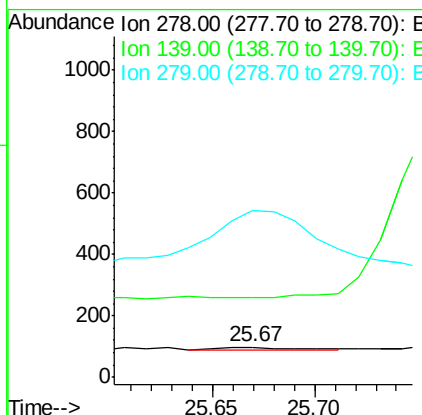
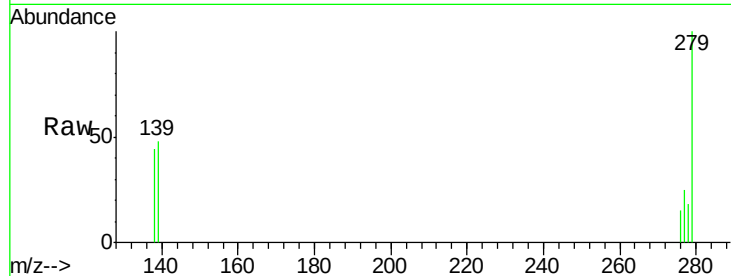




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 25.67 min Scan# 1730
Delta R.T. -0.21 min
Lab File: BM003197.D
Acq: 19 Nov 2015 19:30

Instrument :
BNA_M
ClientSampleId :
A4HT8

Tot Ion:278 Resp: 16
Ion Ratio Lower Upper
278 100
139 266.0 16.4 24.6#
279 558.8 20.2 30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 26.41 min Scan# 1801
Delta R.T. -0.16 min
Lab File: BM003197.D
Acq: 19 Nov 2015 19:30

Tgt Ion:276 Resp: 108
Ion Ratio Lower Upper
276 100
277 129.2 18.9 28.3#
138 222.6 22.5 33.7#

