

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM111815\
 Data File : BM003174.D
 Acq On : 18 Nov 2015 23:35
 Operator : UM/IZ
 Sample : G4323-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4HT2

Quant Time: Nov 19 03:22:22 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 : Thu Nov 19 03:20:59 2015
 Response via : Initial Calibration

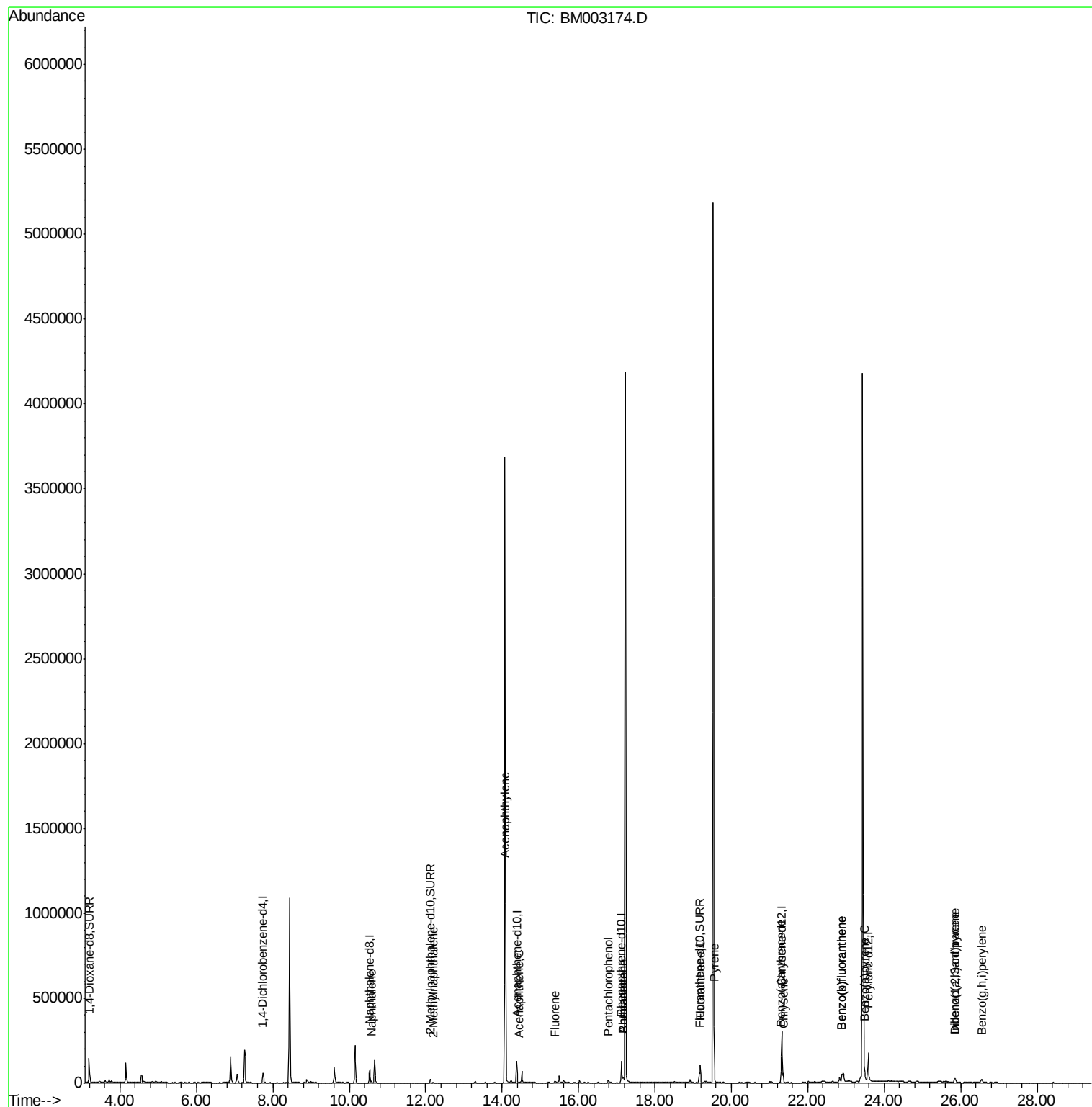
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	29523	0.40	ng/ul	0.00
4) Naphthalene-d8	10.53	136	118029	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.38	164	72188	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.12	188	164427	0.40	ng/ul	0.00
18) Chrysene-d12	21.32	240	263535	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	247759	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.20	96	102163	3.24	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.12	152	30930	0.19	ng/ul	0.00
16) Fluoranthene-d10	19.17	212	69304	0.17	ng/ul	0.00
Target Compounds				Qvalue		
5) Naphthalene	10.58	128	15339	0.05	ng/ul	97
7) 2-Methylnaphthalene	12.19	142	1537	0.01	ng/ul#	100
9) Acenaphthylene	14.09	152	7529	0.03	ng/ul#	87
10) Acenaphthene	14.45	153	1140	0.00	ng/ul#	86
11) Fluorene	15.39	166	11035	0.04	ng/ul#	21
13) Pentachlorophenol	16.78	266	10973	0.28	ng/ul#	17
14) Phenanthrene	17.17	178	44296	0.09	ng/ul	97
15) Anthracene	17.17	178	44020	0.11	ng/ul	97
17) Fluoranthene	19.19	202	96258	0.18	ng/ul	97
19) Pyrene	19.55	202	104145	0.12	ng/ul	98
20) Benzo(a)anthracene	21.30	228	50297	0.07	ng/ul#	90
21) Chrysene	21.35	228	55519	0.06	ng/ul	94
23) Benzo(b)fluoranthene	22.90	252	104793	0.11	ng/ul	89
24) Benzo(k)fluoranthene	22.90	252	104793	0.12	ng/ul#	91
25) Benzo(a)pyrene	23.48	252	74325	0.09	ng/ul	94
26) Indeno(1,2,3-cd)pyrene	25.85	276	38761	0.04	ng/ul#	100
27) Dibenzo(a,h)anthracene	25.86	278	8940	0.01	ng/ul#	57
28) Benzo(g,h,i)perylene	26.56	276	40462	0.05	ng/ul	98

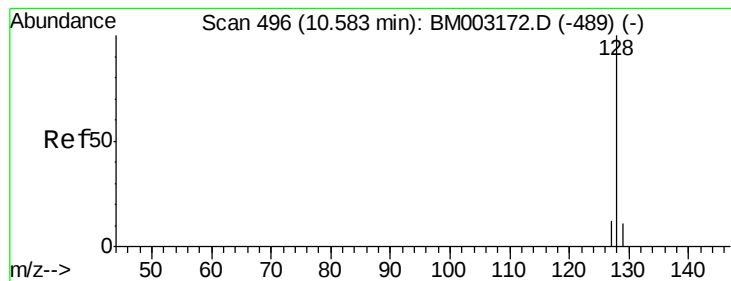
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Nov 19 03:20:59 2015
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#5

Naphthalene

Concen: 0.05 ng/ul

RT: 10.58 min Scan# 496

Delta R.T. 0.00 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

Instrument :

BNA_M

ClientSampleId :

A4HT2

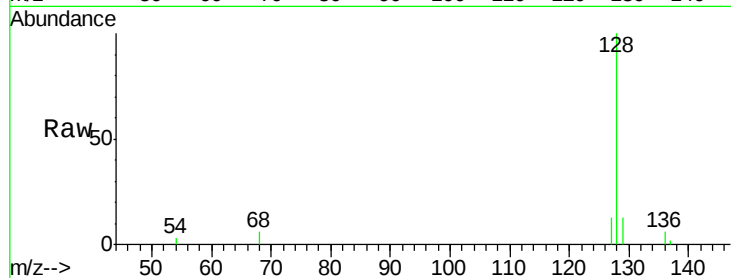
Tgt Ion:128 Resp: 15339

Ion Ratio Lower Upper

128 100

129 12.6 9.0 13.6

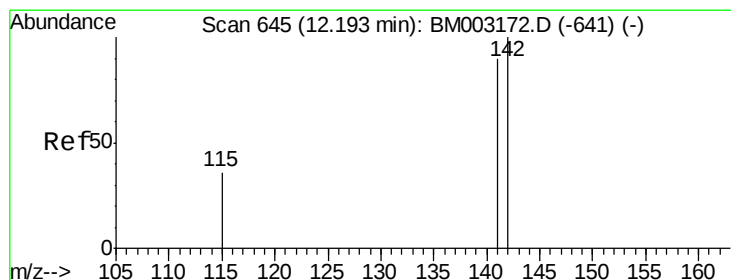
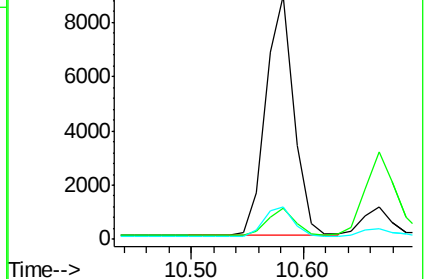
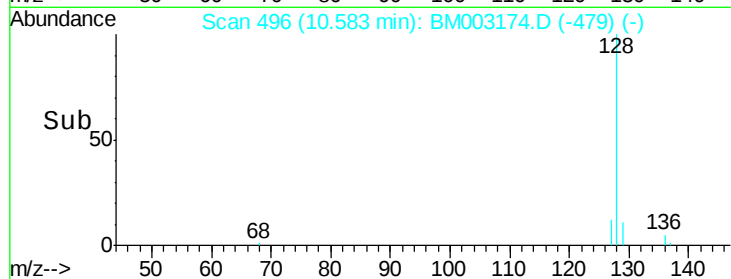
127 13.1 9.6 14.4



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: 0.01 ng/ul

RT: 12.19 min Scan# 645

Delta R.T. 0.00 min

Lab File: BM003174.D

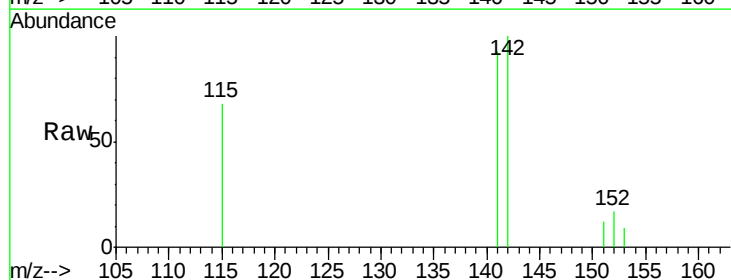
Acq: 18 Nov 2015 23:35

Tgt Ion:142 Resp: 1537

Ion Ratio Lower Upper

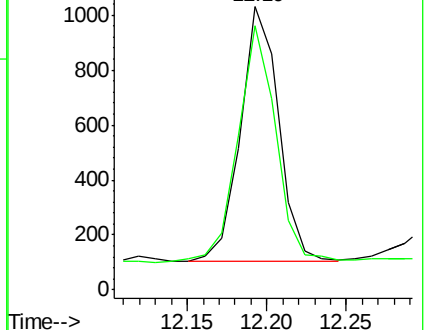
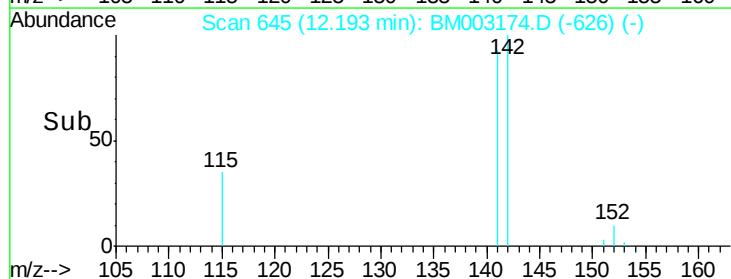
142 100

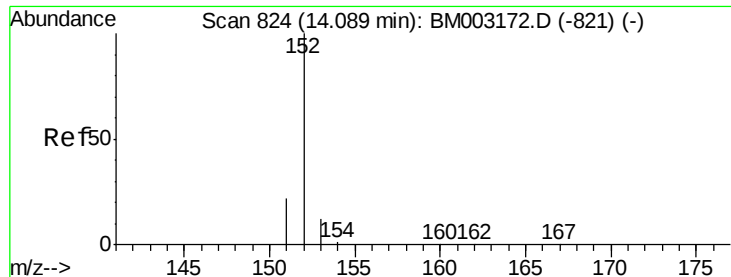
141 94.7 0.0 0.0#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.03 ng/ul

RT: 14.09 min Scan# 824

Delta R.T. 0.00 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

Instrument :

BNA_M

ClientSampleId :

A4HT2

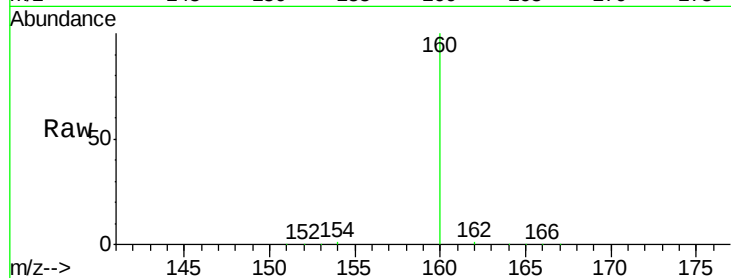
Tgt Ion:152 Resp: 7529

Ion Ratio Lower Upper

152 100

151 26.3 17.6 26.4

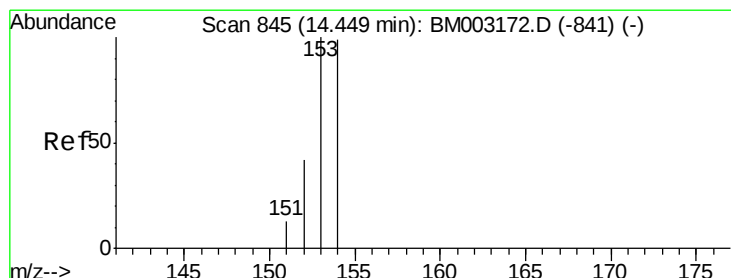
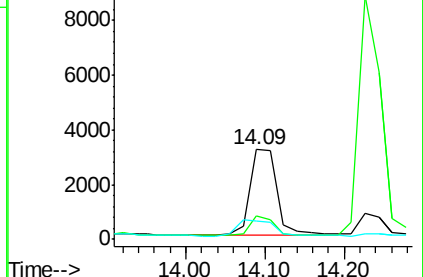
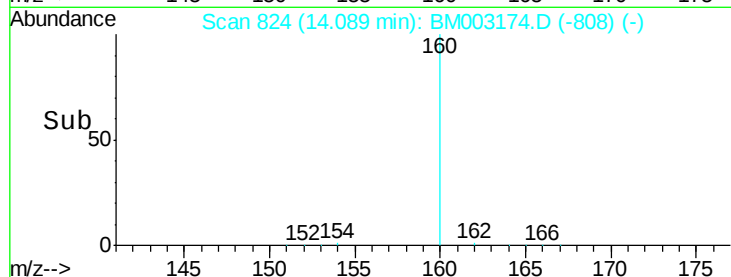
153 19.9 9.7 14.5#



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



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.45 min Scan# 845

Delta R.T. 0.00 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

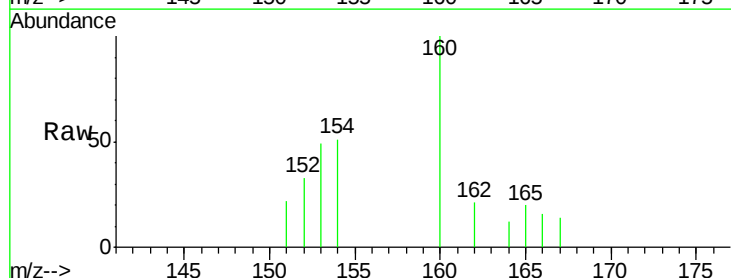
Tgt Ion:153 Resp: 1140

Ion Ratio Lower Upper

153 100

152 67.3 33.9 50.9#

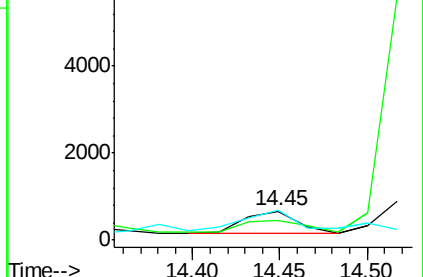
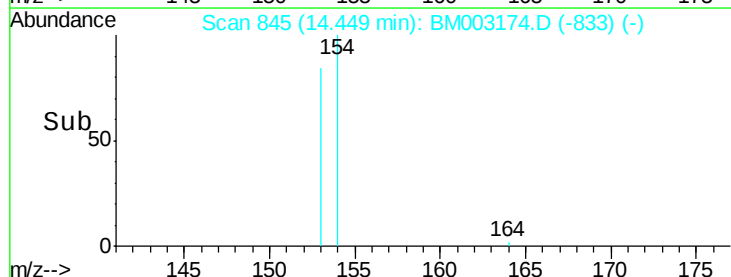
154 103.7 80.6 121.0

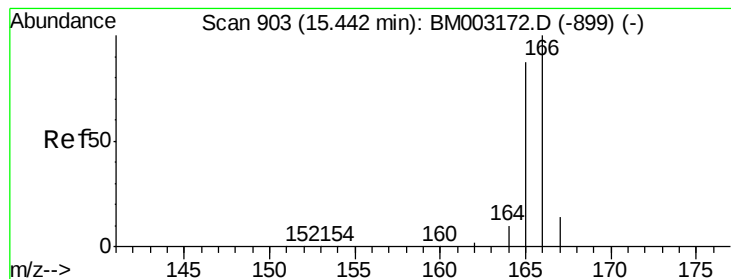


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 0.04 ng/ul

RT: 15.39 min Scan# 900

Delta R.T. -0.05 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

Instrument :

BNA_M

ClientSampleId :

A4HT2

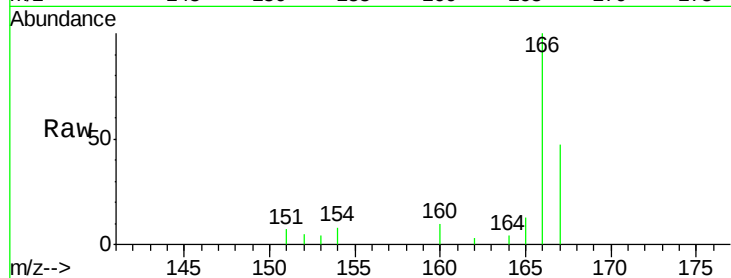
Tgt Ion:166 Resp: 11035

Ion Ratio Lower Upper

166 100

165 13.4 69.6 104.4#

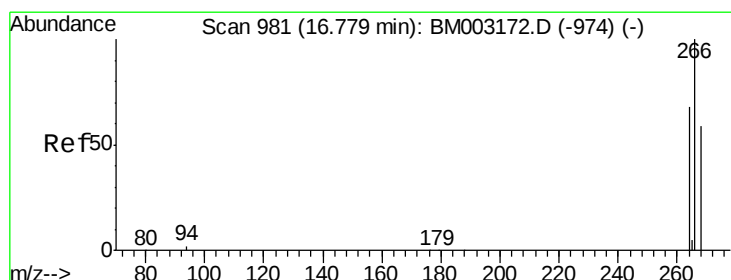
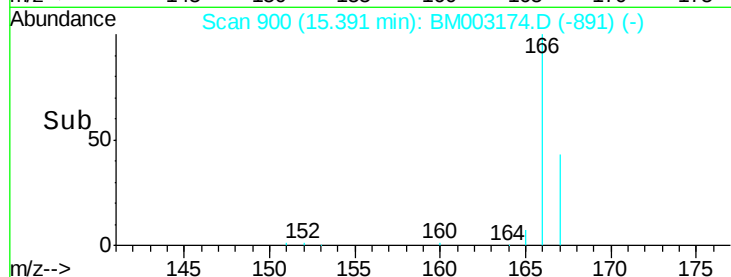
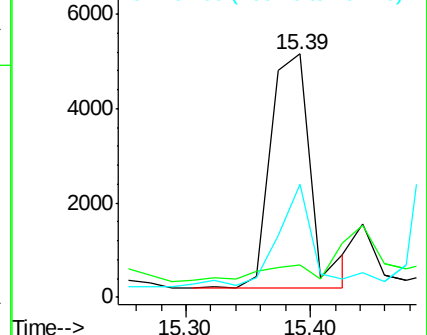
167 46.6 11.9 17.9#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#13

Pentachlorophenol

Concen: 0.28 ng/ul

RT: 16.78 min Scan# 981

Delta R.T. 0.00 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

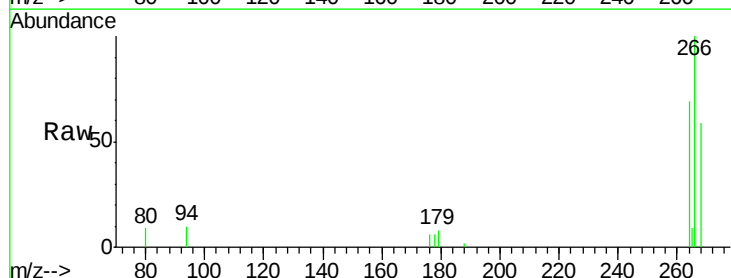
Tgt Ion:266 Resp: 10973

Ion Ratio Lower Upper

266 100

264 63.2 0.3 0.5#

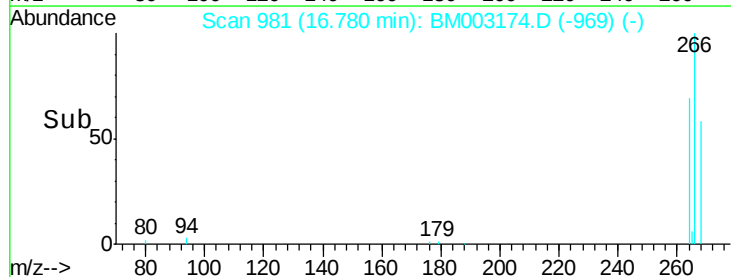
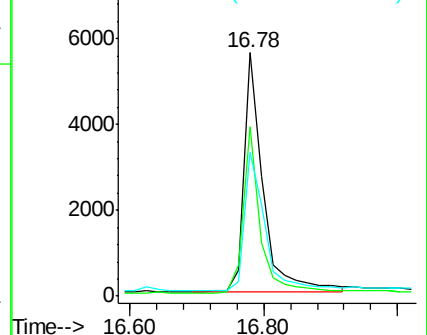
268 62.9 0.0 0.0#

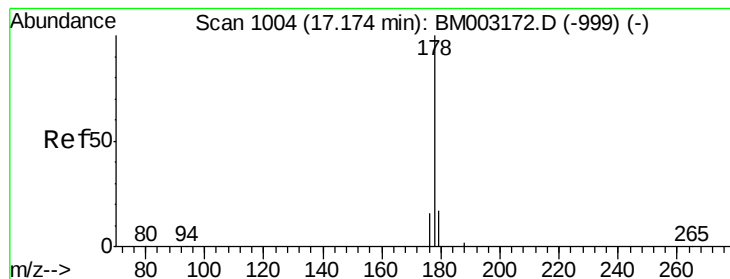


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.09 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. 0.00 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

Instrument :

BNA_M

ClientSampleId :

A4HT2

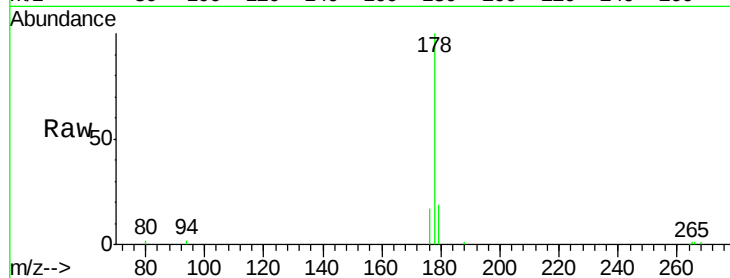
Tgt Ion:178 Resp: 44296

Ion Ratio Lower Upper

178 100

176 17.4 13.0 19.4

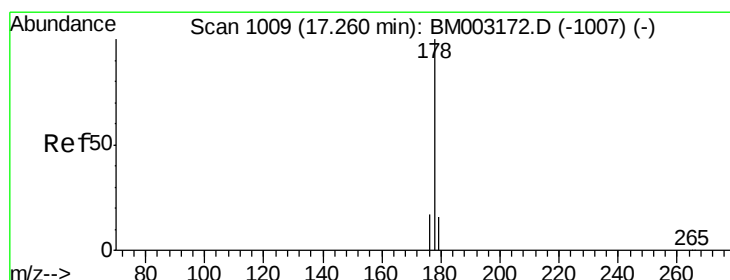
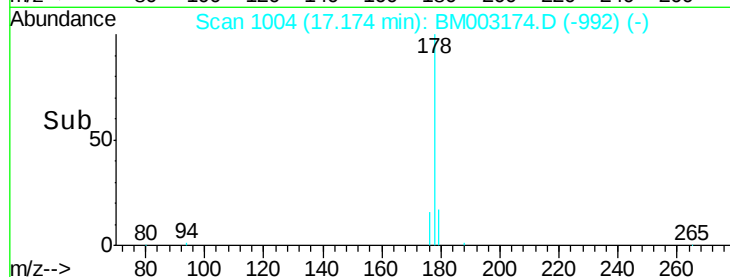
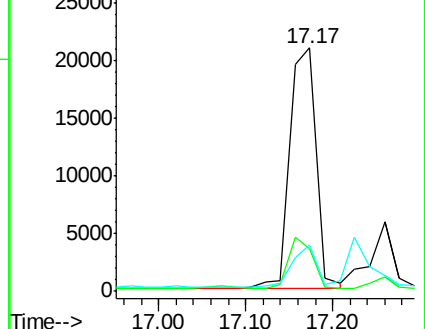
179 19.0 14.2 21.2



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: 0.11 ng/ul

RT: 17.17 min Scan# 1004

Delta R.T. -0.09 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

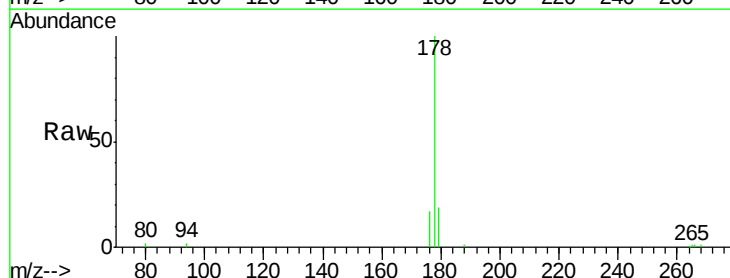
Tgt Ion:178 Resp: 44020

Ion Ratio Lower Upper

178 100

176 17.4 14.0 21.0

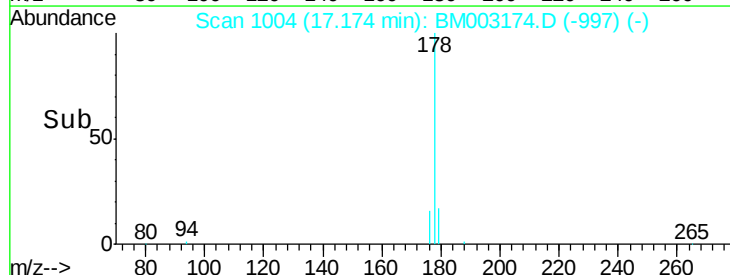
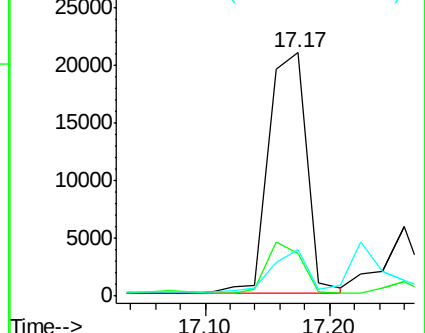
179 19.0 12.9 19.3

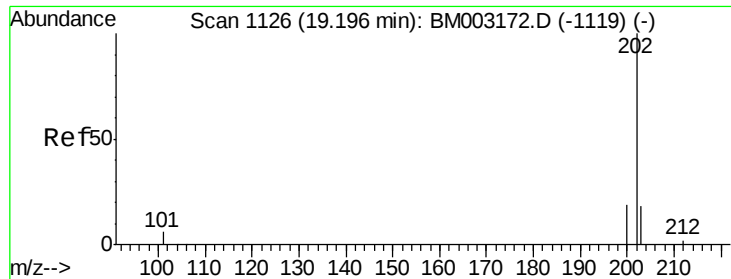


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

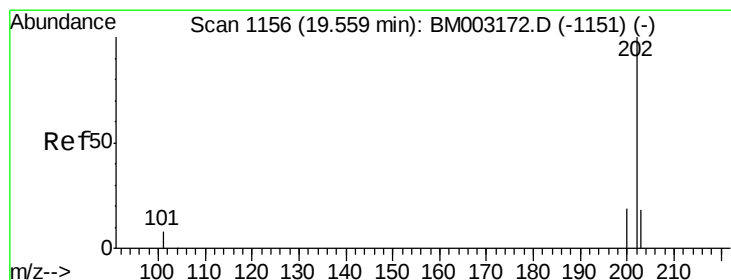
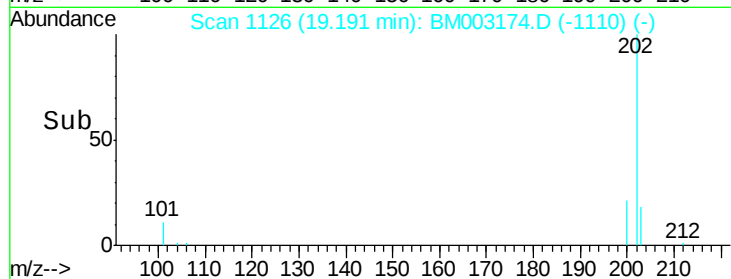
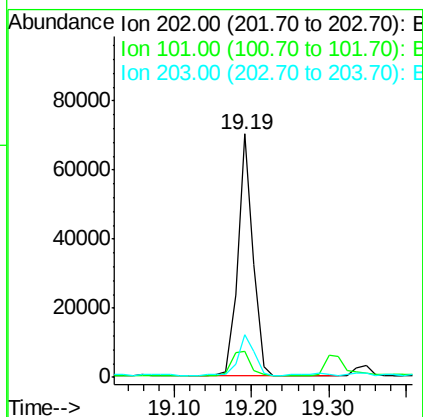
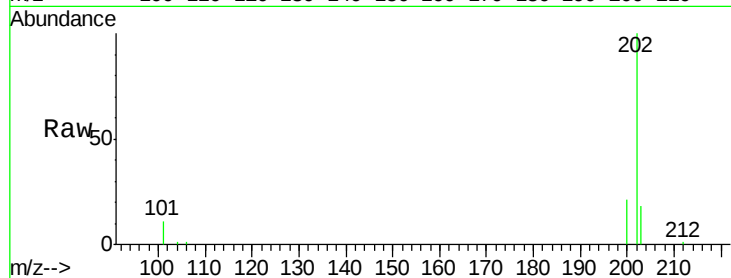




#17
Fluoranthene
 Concen: 0.18 ng/ul
 RT: 19.19 min Scan# 1126
 Delta R.T. -0.01 min
 Lab File: BM003174.D
 Acq: 18 Nov 2015 23:35

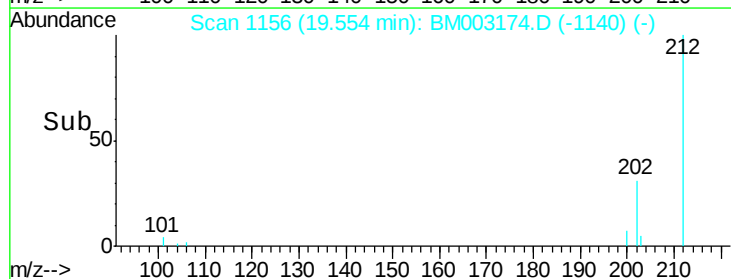
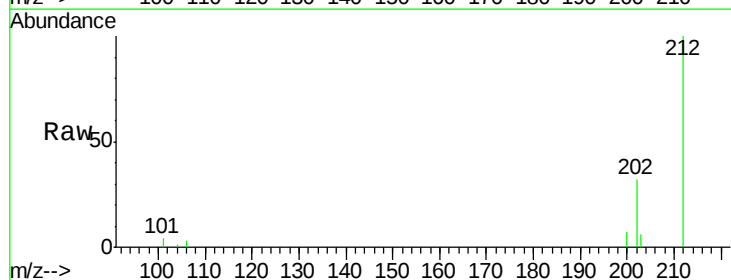
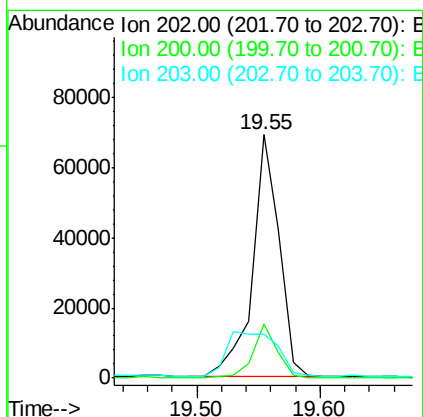
Instrument :
 BNA_M
 ClientSampleId :
 A4HT2

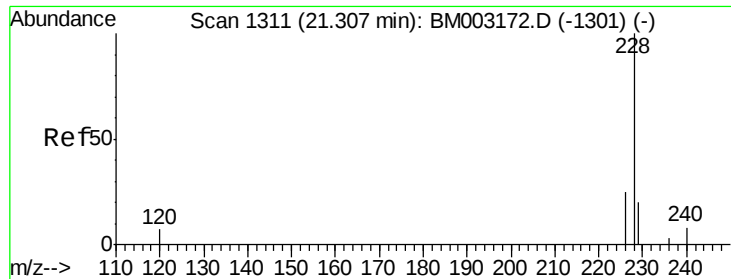
Tgt Ion:202 Resp: 96258
 Ion Ratio Lower Upper
 202 100
 101 10.7 0.0 29.6
 203 17.6 0.0 36.3



#19
Pyrene
 Concen: 0.12 ng/ul
 RT: 19.55 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: BM003174.D
 Acq: 18 Nov 2015 23:35

Tgt Ion:202 Resp: 104145
 Ion Ratio Lower Upper
 202 100
 200 22.2 17.8 26.8
 203 18.2 12.8 19.2





#20

Benzo(a)anthracene

Concen: 0.07 ng/u1

RT: 21.30 min Scan# 1311

Delta R.T. -0.01 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

Instrument :

BNA_M

ClientSampleId :

A4HT2

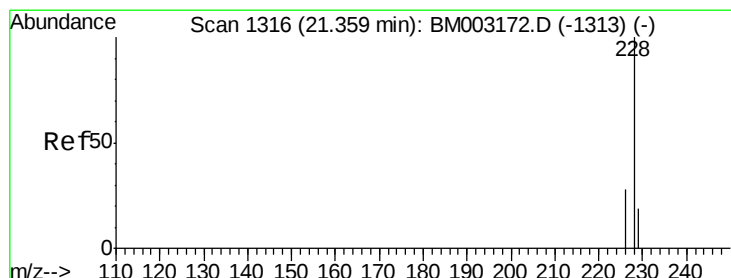
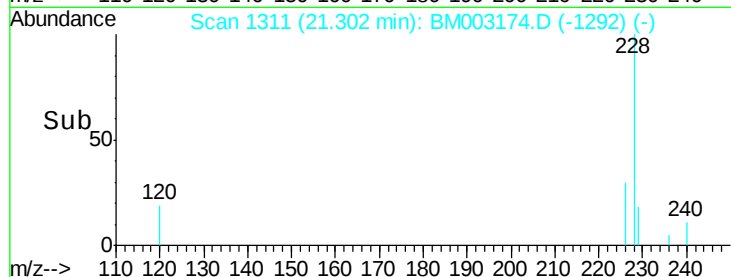
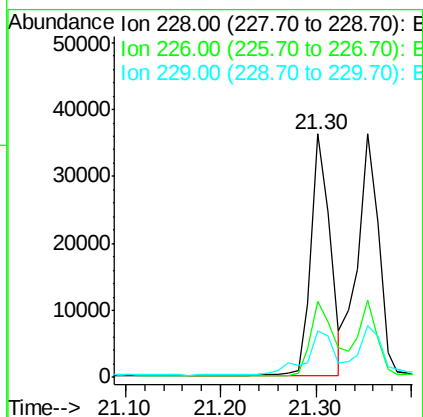
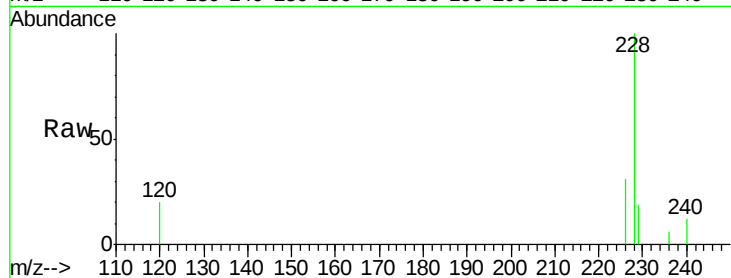
Tgt Ion:228 Resp: 50297

Ion Ratio Lower Upper

228 100

226 31.1 18.8 28.2#

229 19.3 17.1 25.7



#21

Chrysene

Concen: 0.06 ng/u1

RT: 21.35 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

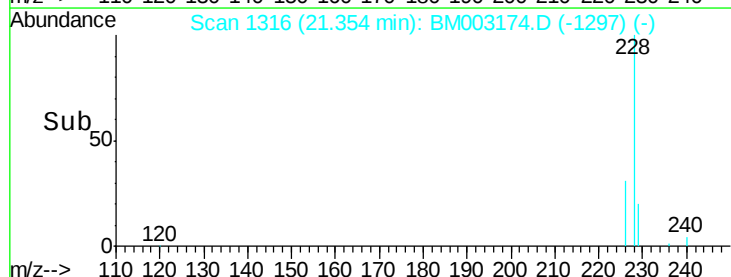
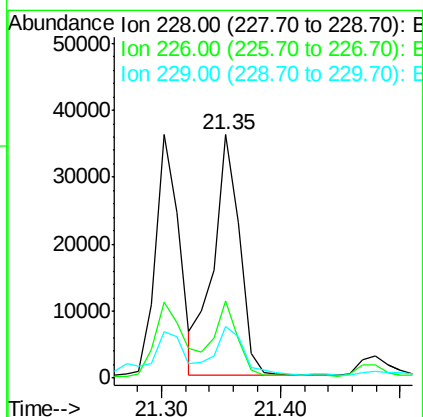
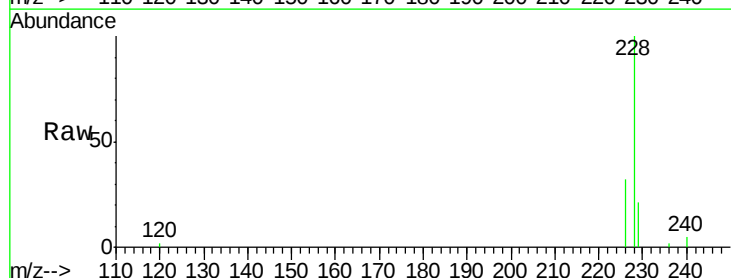
Tgt Ion:228 Resp: 55519

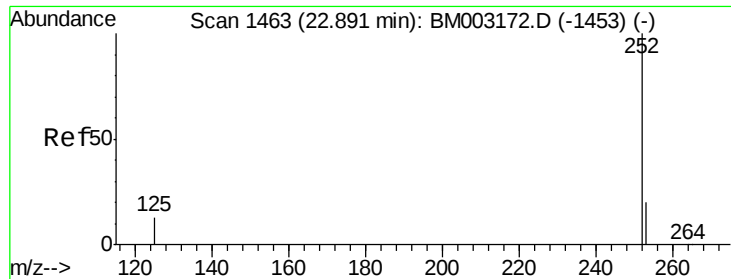
Ion Ratio Lower Upper

228 100

226 31.7 21.2 31.8

229 21.2 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.11 ng/u1

RT: 22.90 min Scan# 1464

Delta R.T. 0.01 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

Instrument :

BNA_M

ClientSampleId :

A4HT2

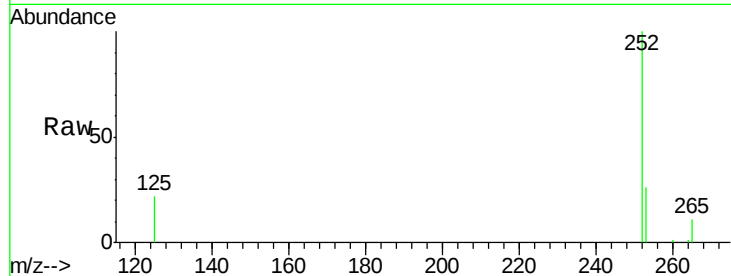
Tgt Ion:252 Resp: 104793

Ion Ratio Lower Upper

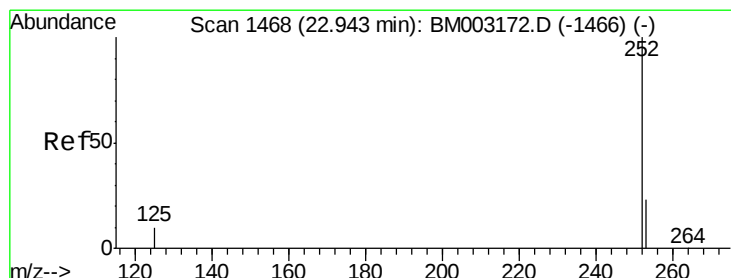
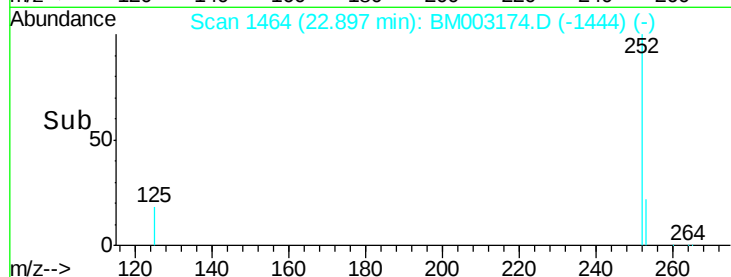
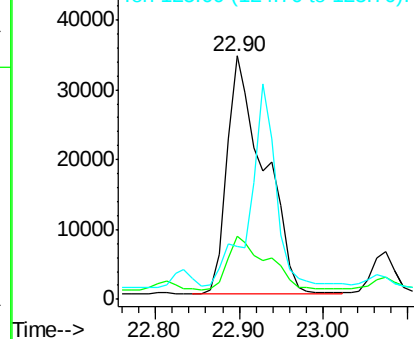
252 100

253 25.7 0.0 45.4

125 21.9 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: 0.12 ng/u1

RT: 22.90 min Scan# 1464

Delta R.T. -0.05 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

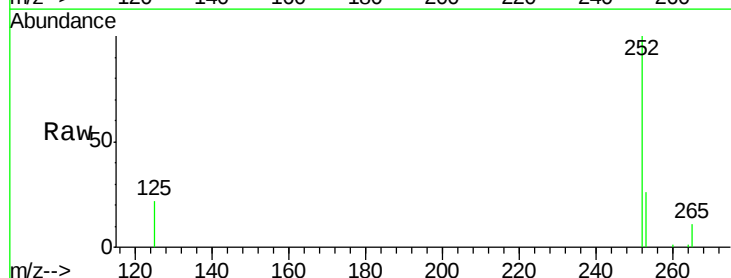
Tgt Ion:252 Resp: 104793

Ion Ratio Lower Upper

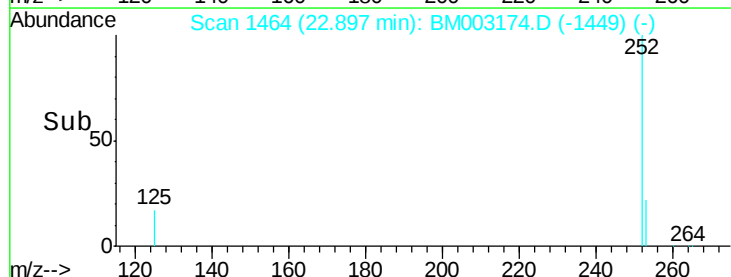
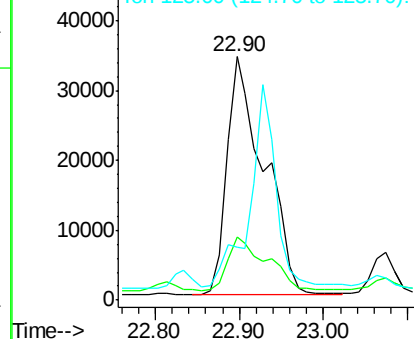
252 100

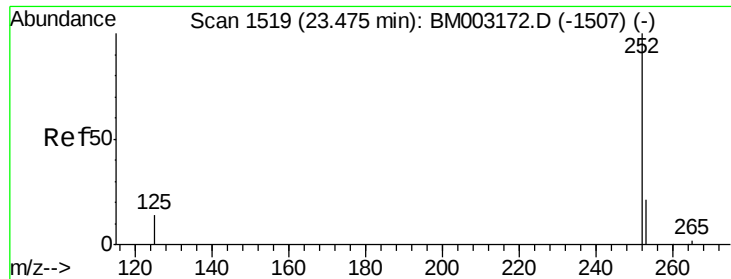
253 25.7 19.8 29.8

125 21.9 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: 0.09 ng/ul

RT: 23.48 min Scan# 1520

Delta R.T. 0.01 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

Instrument :

BNA_M

ClientSampleId :

A4HT2

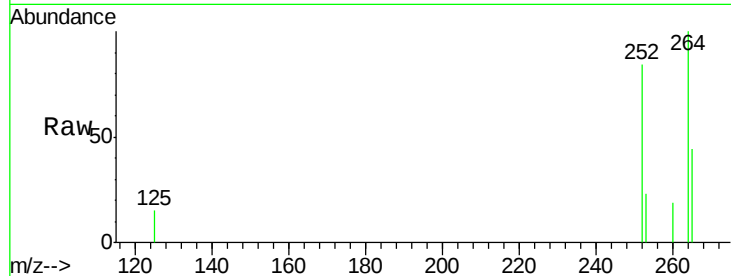
Tgt Ion:252 Resp: 74325

Ion Ratio Lower Upper

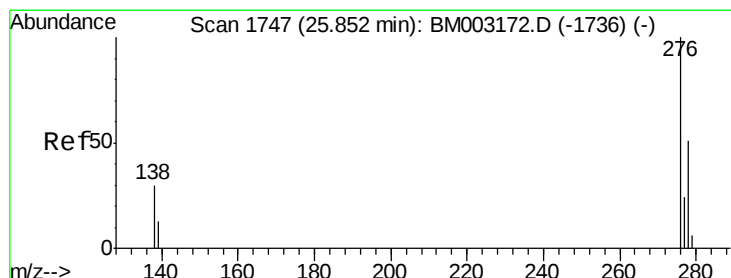
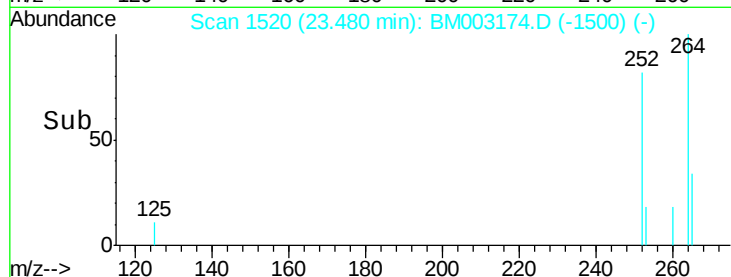
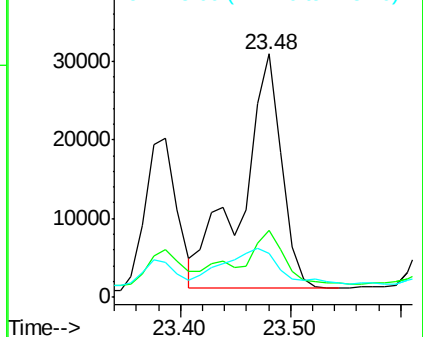
252 100

253 27.7 19.4 29.2

125 17.8 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: 0.04 ng/ul

RT: 25.85 min Scan# 1747

Delta R.T. -0.01 min

Lab File: BM003174.D

Acq: 18 Nov 2015 23:35

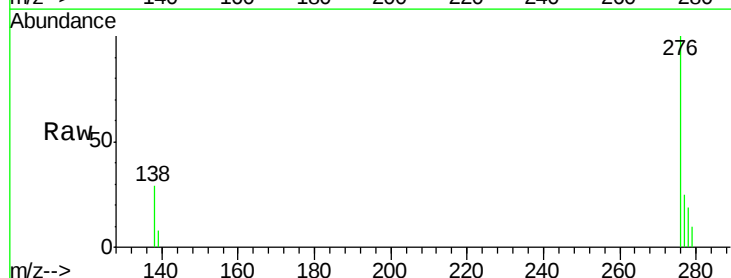
Tgt Ion:276 Resp: 38761

Ion Ratio Lower Upper

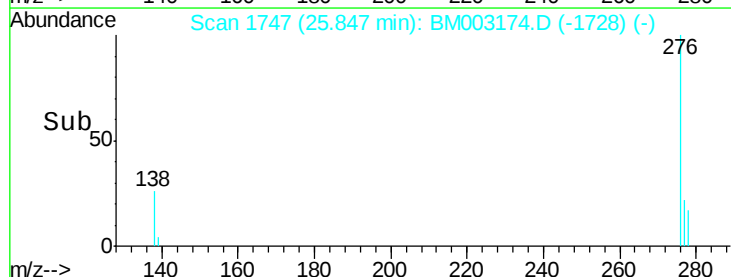
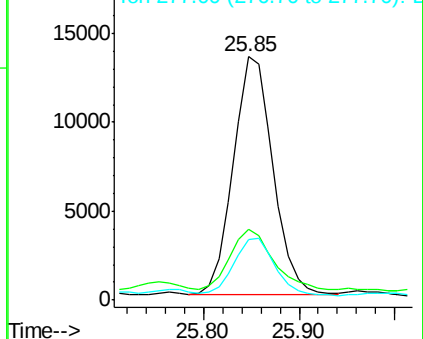
276 100

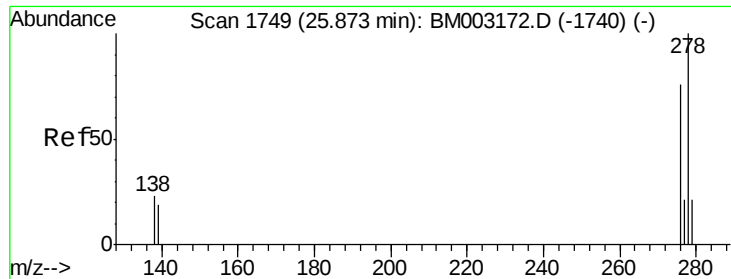
138 27.9 0.0 0.0#

277 24.5 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



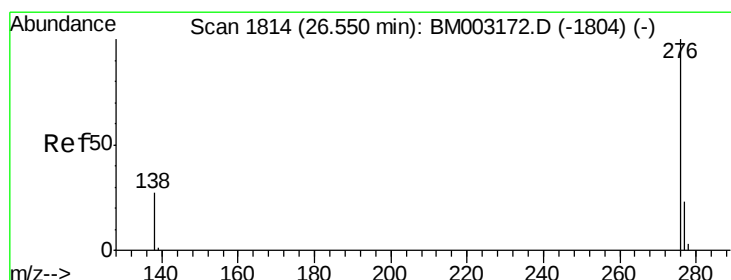
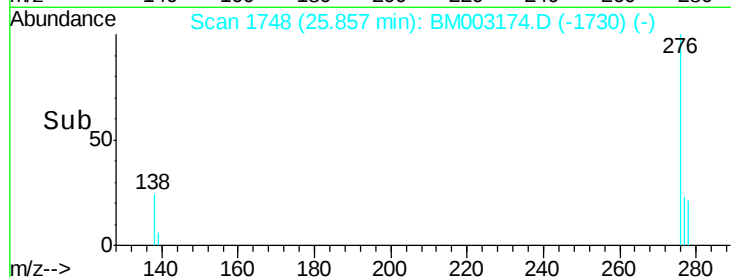
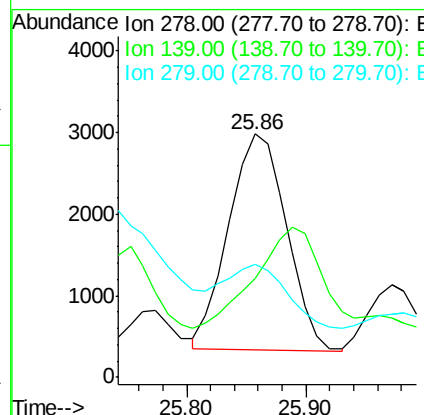
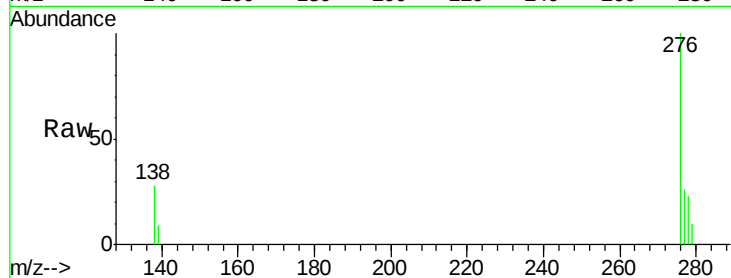


#27
Dibenzo(a,h)anthracene
Concen: 0.01 ng/ul
RT: 25.86 min Scan# 1748
Delta R.T. -0.02 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Instrument :
BNA_M
ClientSampleId :
A4HT2

Tgt Ion: 278 Resp: 8940

Ion	Ratio	Lower	Upper
278	100		
139	40.7	16.4	24.6#
279	46.3	20.2	30.2#



#28
Benzo(g,h,i)perylene
Concen: 0.05 ng/ul
RT: 26.56 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BM003174.D
Acq: 18 Nov 2015 23:35

Tgt Ion: 276 Resp: 40462

Ion	Ratio	Lower	Upper
276	100		
277	25.5	18.9	28.3
138	28.5	22.5	33.7

