

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002750.D
 Acq On : 29 Sep 2015 01:10
 Operator : UM/IZ
 Sample : G3798-26MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MSD

Quant Time: Sep 29 04:42:13 2015
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM02.2-EPA-SIM-BM092415.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 29 02:52:19 2015
 Response via : Initial Calibration

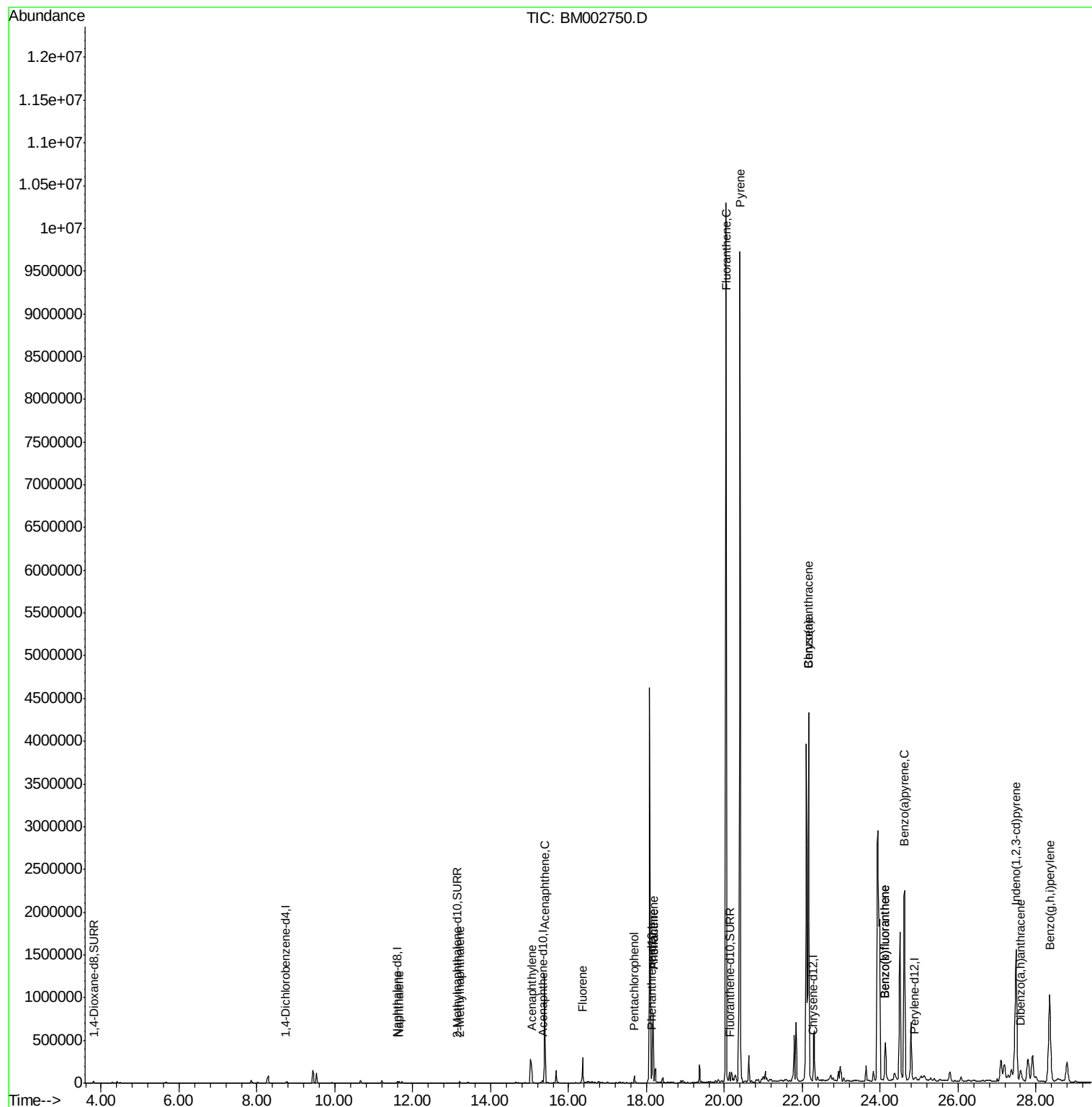
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	8181	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	31705	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	17272	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.14	188	56309	0.40	ng/ul	0.11
18) Chrysene-d12	22.27	240	1592	0.40	ng/ul	0.14
22) Perylene-d12	24.89	264	12238	0.40	ng/ul	0.15
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	17433	2.06	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	5926	0.13	ng/ul	0.00
16) Fluoranthene-d10	20.16	212	448	0.00	ng/ul	0.14
Target Compounds				Ovalue		
5) Naphthalene	11.65	128	29953	0.35	ng/ul	99
7) 2-Methylnaphthalene	13.20	142	15765	0.29	ng/ul	99
9) Acenaphthylene	15.06	152	110444	1.24	ng/ul	96
10) Acenaphthene	15.38	153	799507	12.30	ng/ul	95
11) Fluorene	16.36	166	208187	2.81	ng/ul	91
13) Pentachlorophenol	17.69	266	68515	6.23	ng/ul	95
14) Phenanthrene	18.17	178	999553	5.46	ng/ul	95
15) Anthracene	18.17	178	1001772	5.92	ng/ul	96
17) Fluoranthene	20.05	202	10726037	53.82	ng/ul	92
19) Pyrene	20.40	202	9567363	1542.01	ng/ul	96
20) Benzo(a)anthracene	22.17	228	4372428	821.85	ng/ul	96
21) Chrysene	22.17	228	4372428	858.60	ng/ul	94
23) Benzo(b)fluoranthene	24.13	252	682352	15.47	ng/ul	94
24) Benzo(k)fluoranthene	24.13	252	683052	16.71	ng/ul#	94
25) Benzo(a)pyrene	24.63	252	3643459	89.69	ng/ul	93
26) Indeno(1,2,3-cd)pyrene	27.49	276	2609700	57.60	ng/ul	93
27) Dibenzo(a,h)anthracene	27.61	278	215477	5.80	ng/ul	96
28) Benzo(a,h,i)perylene	28.35	276	2028831	52.80	ng/ul	97

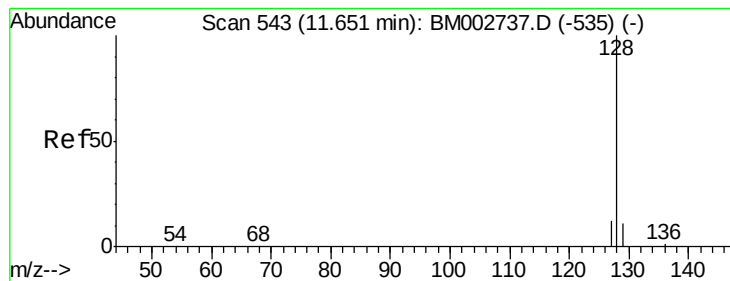
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.35 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

Instrument :

BNA_M

ClientSampleId :

D9G67MSD

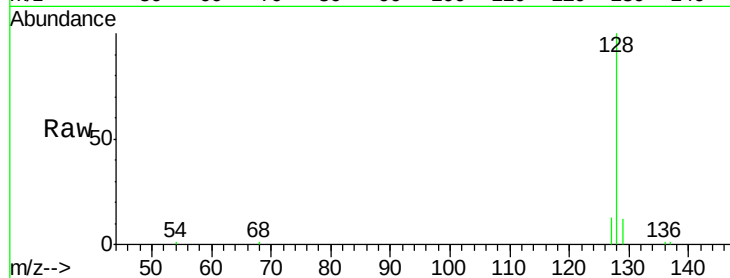
Tot Ion:128 Resp: 29953

Ion Ratio Lower Upper

128 100

129 11.9 9.8 14.8

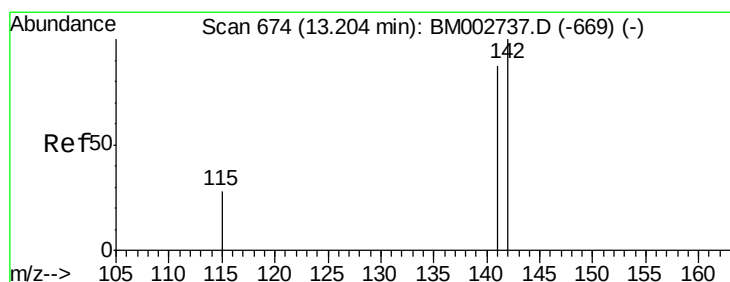
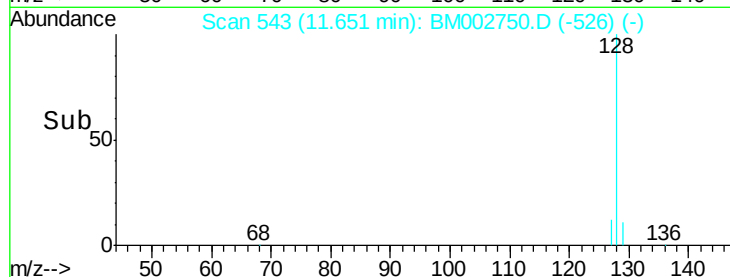
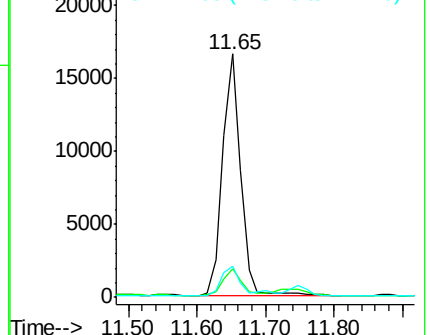
127 12.7 10.7 16.1



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: 0.29 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002750.D

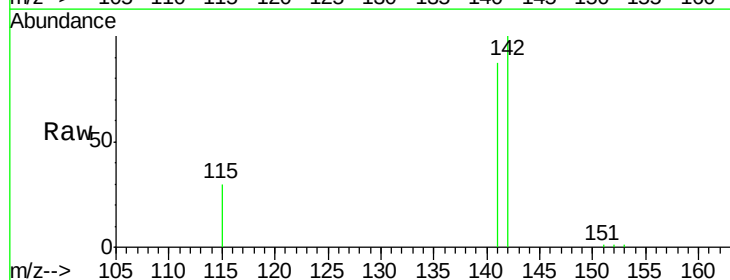
Acq: 29 Sep 2015 01:10

Tgt Ion:142 Resp: 15765

Ion Ratio Lower Upper

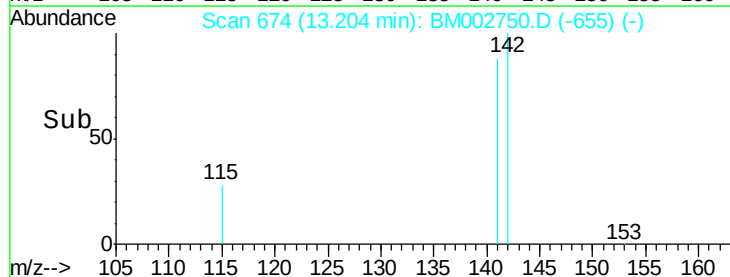
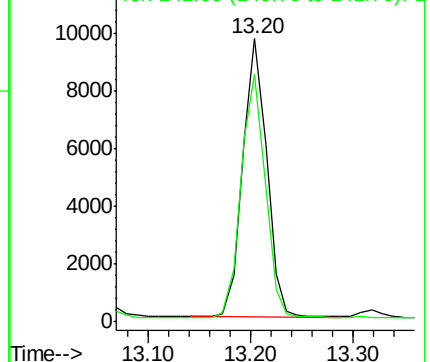
142 100

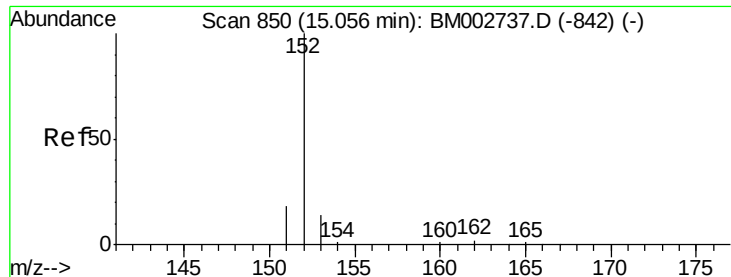
141 88.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 1.24 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. -0.00 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

Instrument :

BNA_M

ClientSampleId :

D9G67MSD

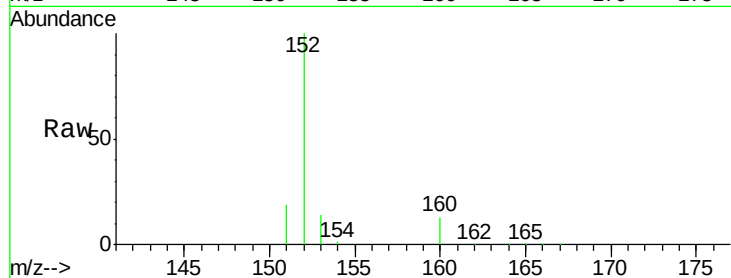
Tot Ion:152 Resp: 110444

Ion Ratio Lower Upper

152 100

151 18.5 16.8 25.2

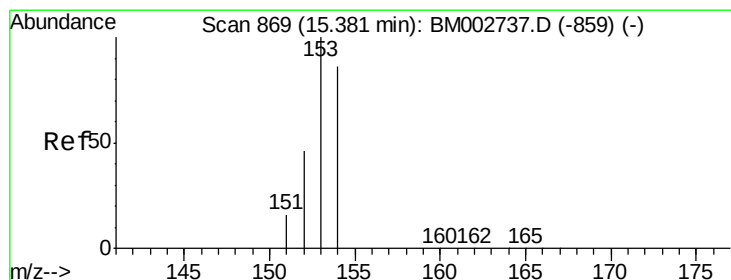
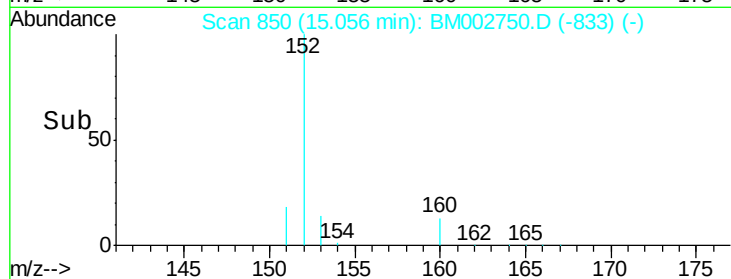
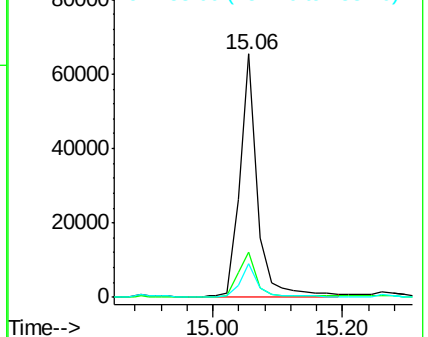
153 13.7 11.3 16.9



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: 12.30 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

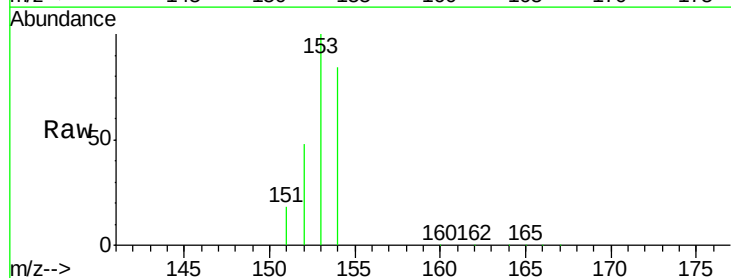
Tgt Ion:153 Resp: 799507

Ion Ratio Lower Upper

153 100

152 47.9 42.3 63.5

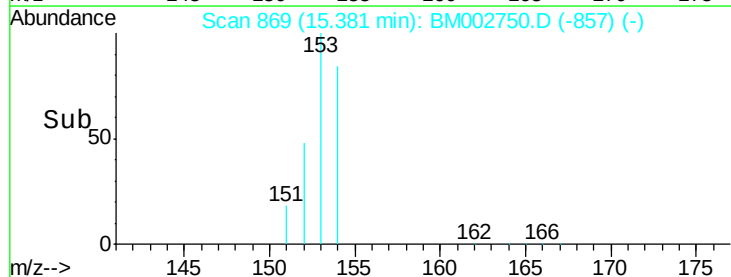
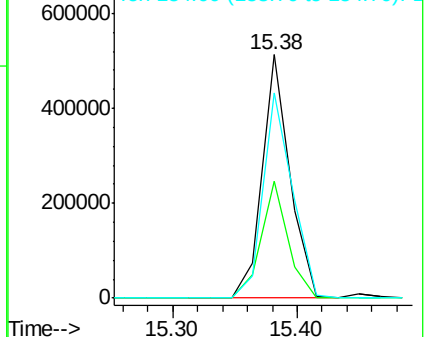
154 84.4 64.7 97.1

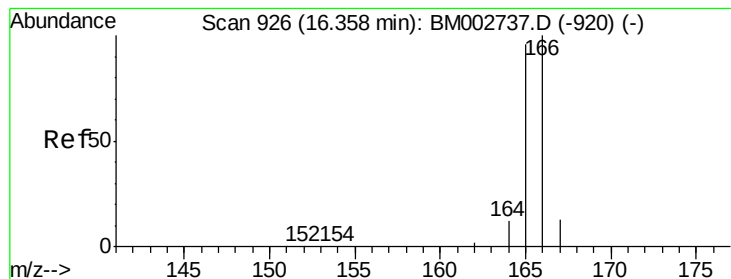


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E





#11

Fluorene

Concen: 2.81 ng/ul

RT: 16.36 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

Instrument :

BNA_M

ClientSampleId :

D9G67MSD

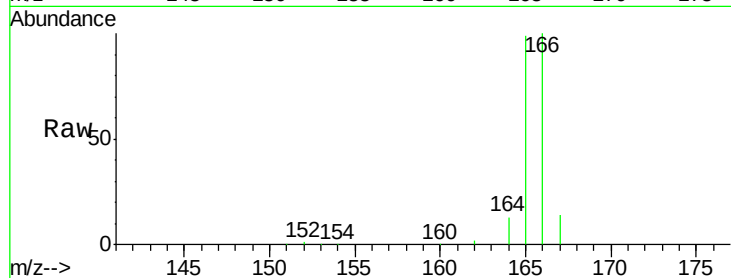
Tot Ion:166 Resp: 208187

Ion Ratio Lower Upper

166 100

165 98.9 87.6 131.4

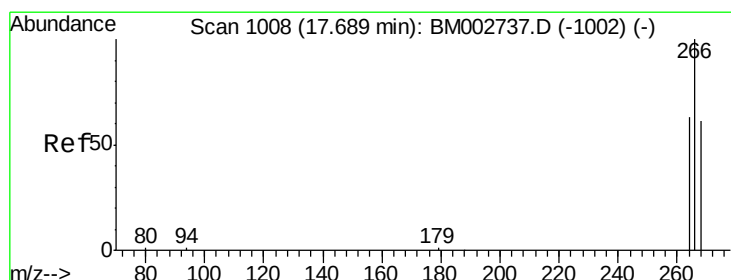
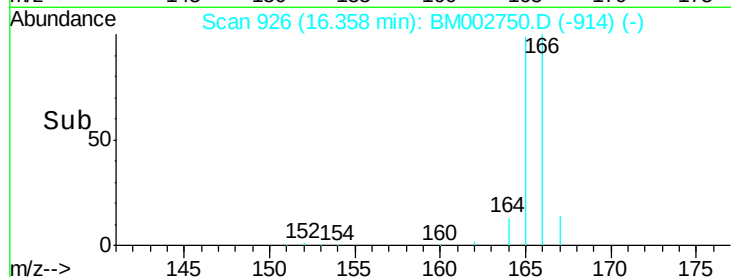
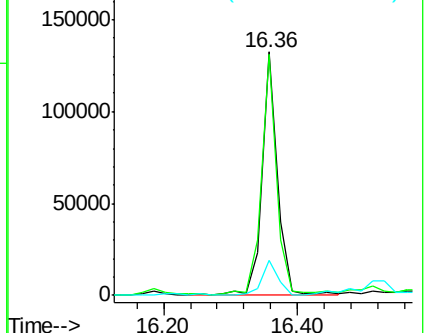
167 14.1 11.1 16.7



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: 6.23 ng/ul

RT: 17.69 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

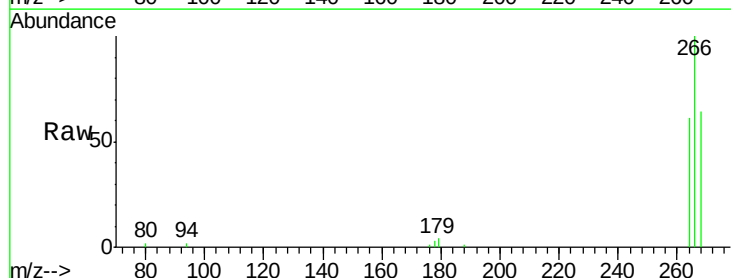
Tgt Ion:266 Resp: 68515

Ion Ratio Lower Upper

266 100

264 63.0 53.5 80.3

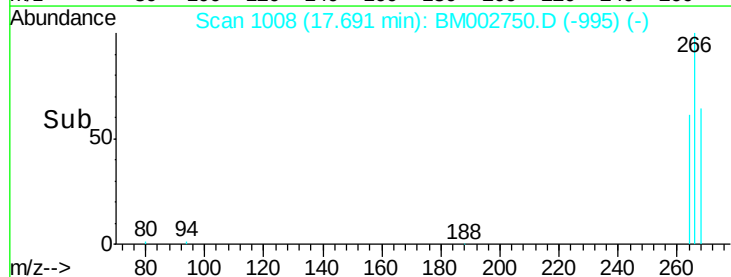
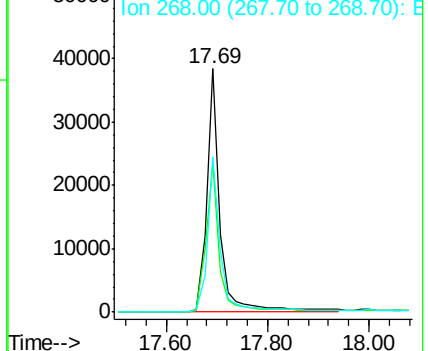
268 64.0 54.2 81.2

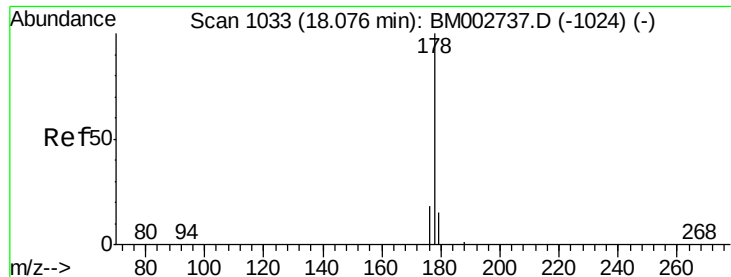


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 5.46 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. 0.09 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

Instrument :

BNA_M

ClientSampleId :

D9G67MSD

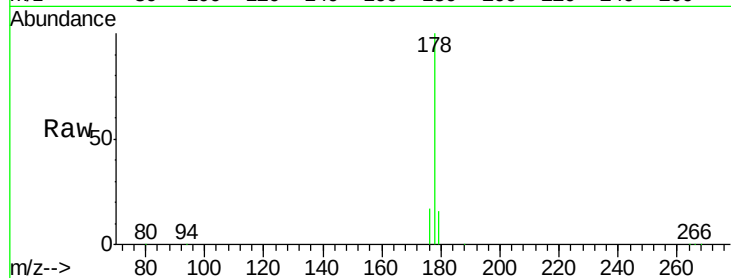
Tot Ion:178 Resp: 999553

Ion Ratio Lower Upper

178 100

176 16.7 16.2 24.4

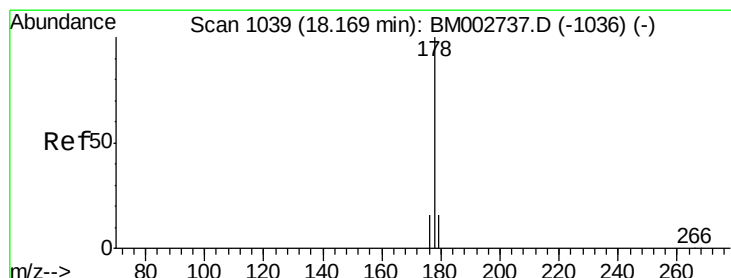
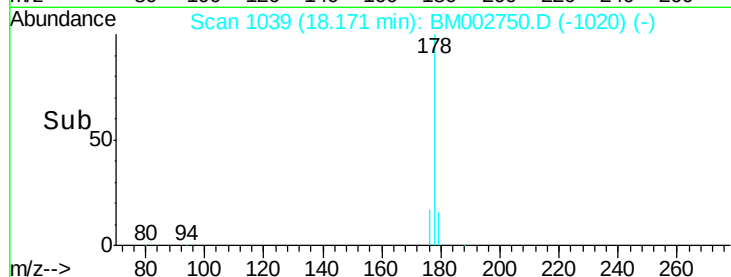
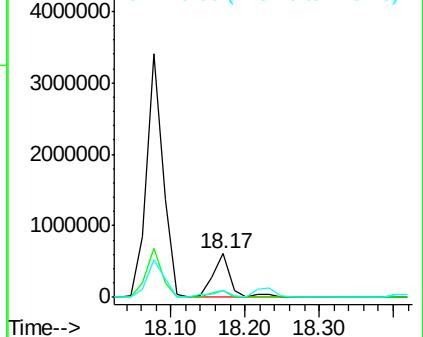
179 16.2 12.8 19.2



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: 5.92 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

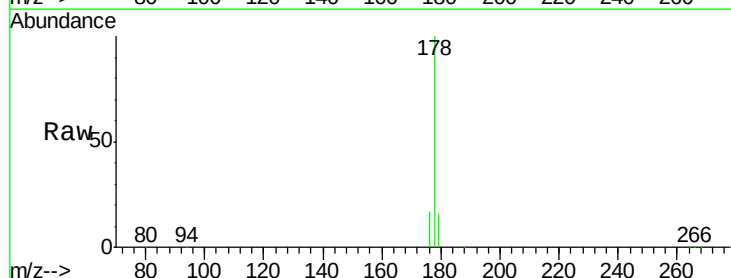
Tgt Ion:178 Resp: 1001772

Ion Ratio Lower Upper

178 100

176 16.7 15.8 23.8

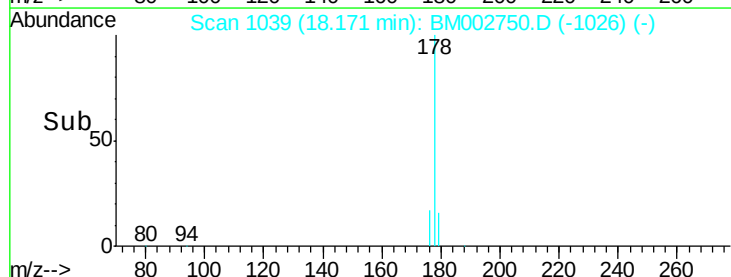
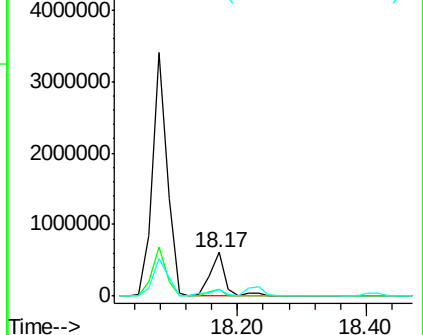
179 16.2 13.3 19.9

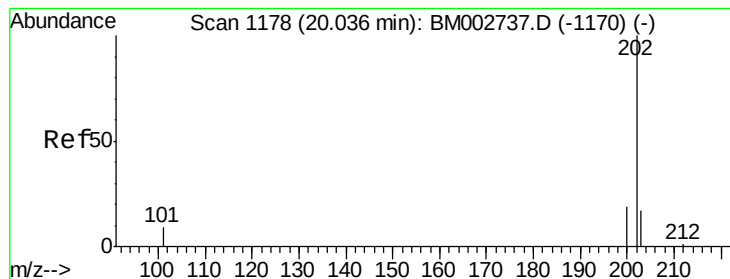


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 53.82 ng/ul

RT: 20.05 min Scan# 1179

Delta R.T. 0.01 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

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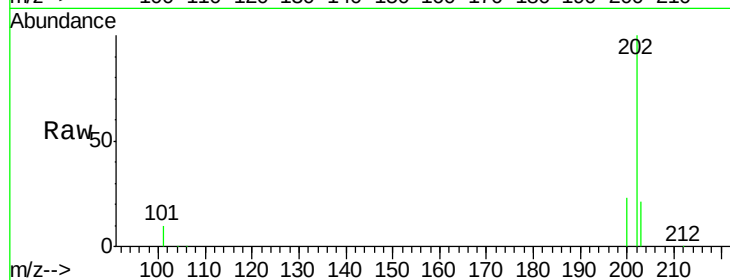
Tot Ion:202 Resp:10726037

Ion Ratio Lower Upper

202 100

101 10.2 0.0 33.1

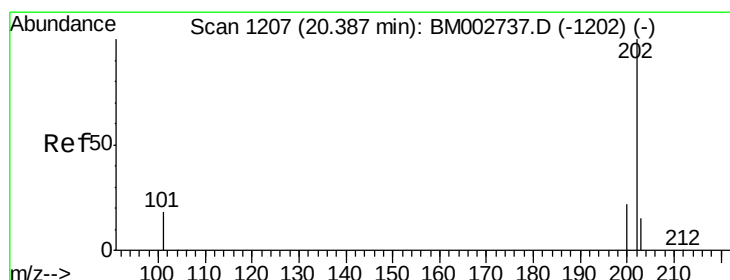
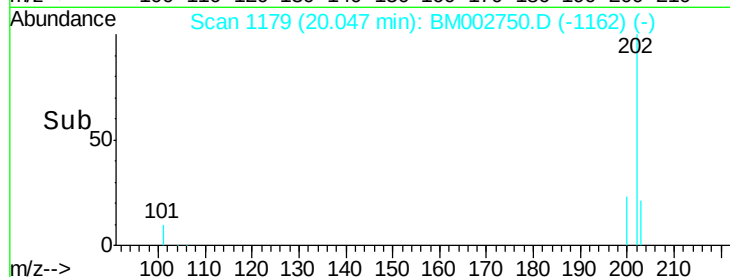
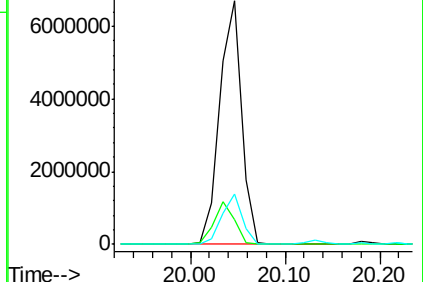
203 20.8 0.0 37.2



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: 1542.01 ng/ul

RT: 20.40 min Scan# 1208

Delta R.T. 0.01 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

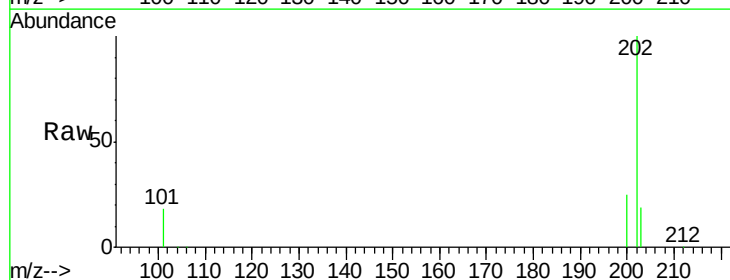
Tgt Ion:202 Resp: 9567363

Ion Ratio Lower Upper

202 100

200 24.6 18.0 27.0

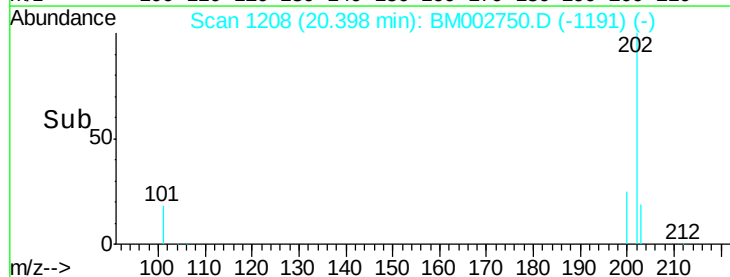
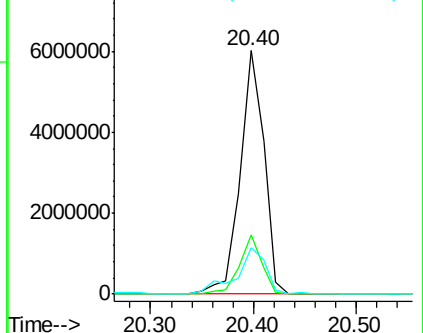
203 18.9 13.8 20.6

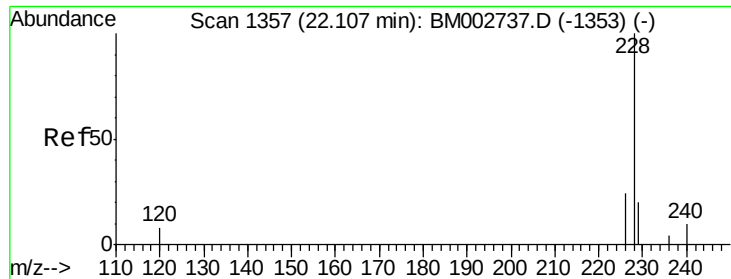


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 821.85 ng/ul

RT: 22.17 min Scan# 1363

Delta R.T. 0.06 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

Instrument :

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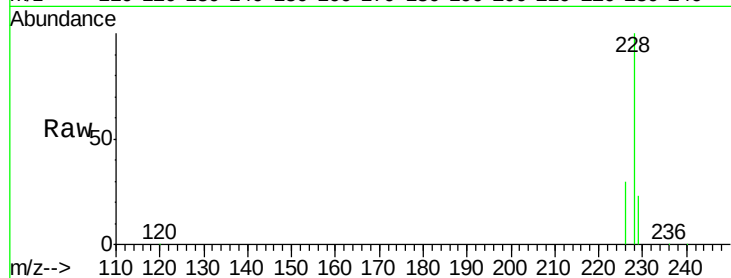
Tot Ion:228 Resp: 4372428

Ion Ratio Lower Upper

228 100

226 29.7 23.0 34.4

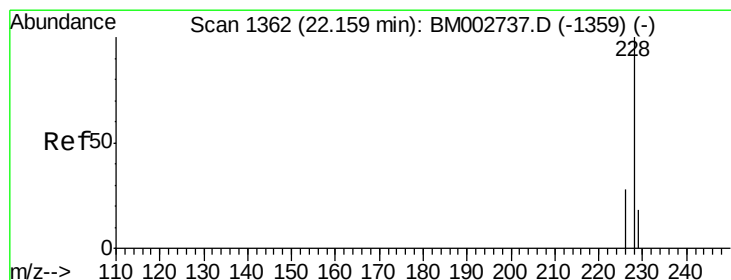
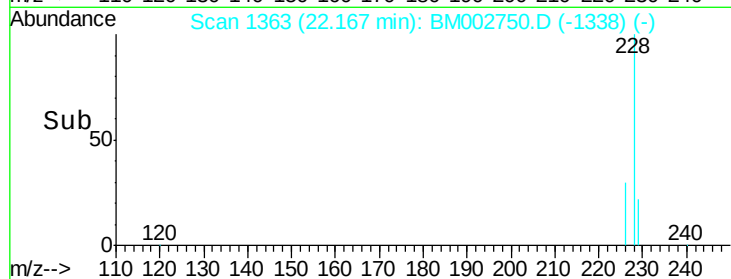
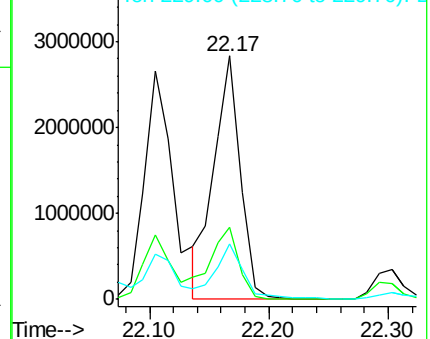
229 22.7 15.2 22.8



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: 858.60 ng/ul

RT: 22.17 min Scan# 1363

Delta R.T. 0.01 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

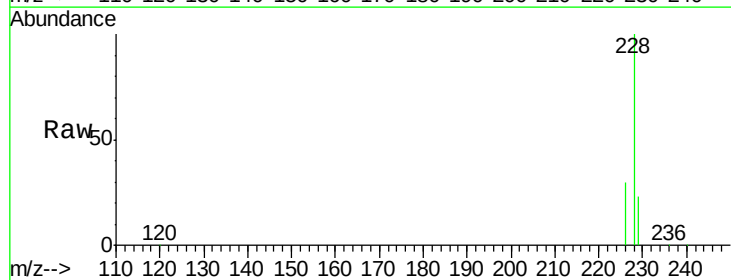
Tgt Ion:228 Resp: 4372428

Ion Ratio Lower Upper

228 100

226 29.7 25.7 38.5

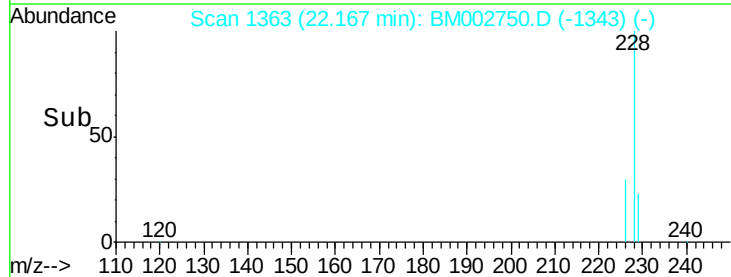
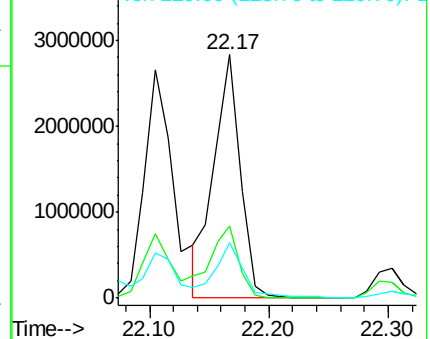
229 22.7 15.2 22.8

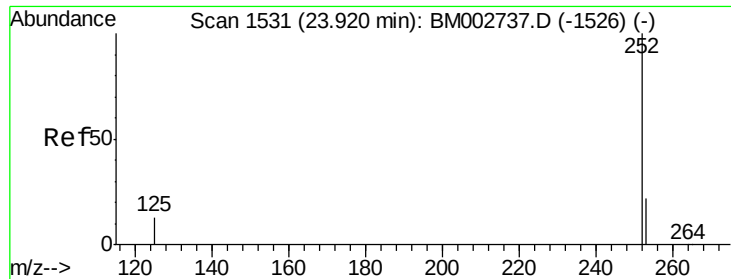


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 15.47 ng/ul

RT: 24.13 min Scan# 1551

Delta R.T. 0.21 min

Lab File: BM002750.D

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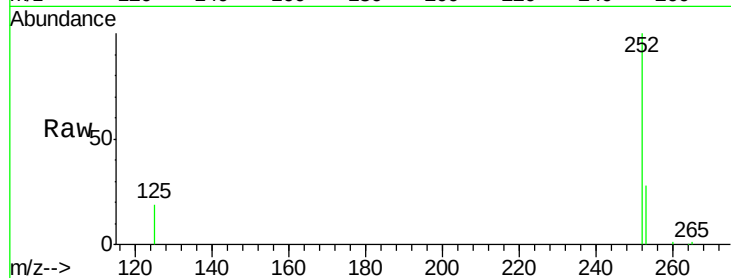
Tot Ion:252 Resp: 682352

Ion Ratio Lower Upper

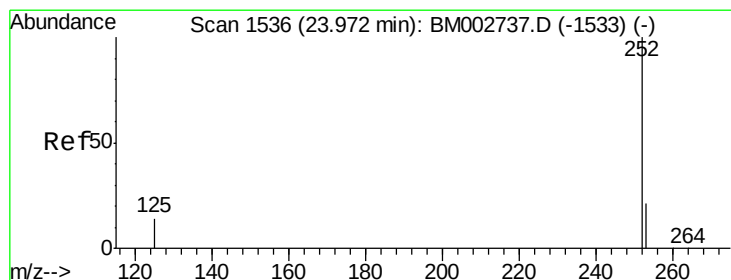
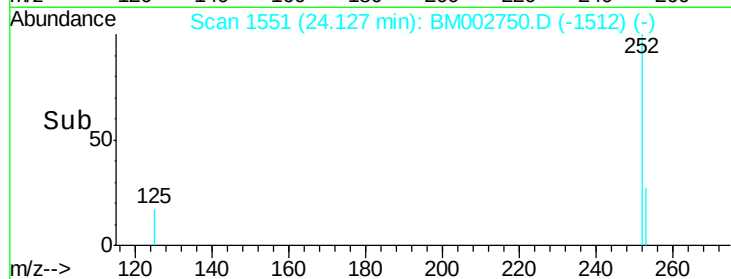
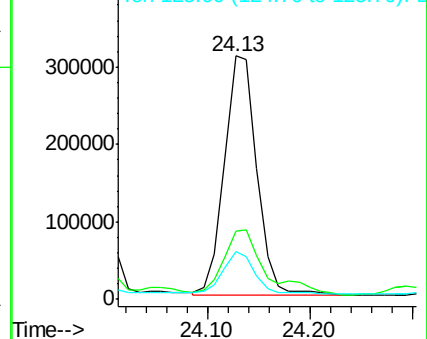
252 100

253 27.9 0.0 48.0

125 19.5 0.0 36.6



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



#24

Benzo(k)fluoranthene

Concen: 16.71 ng/ul

RT: 24.13 min Scan# 1551

Delta R.T. 0.15 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

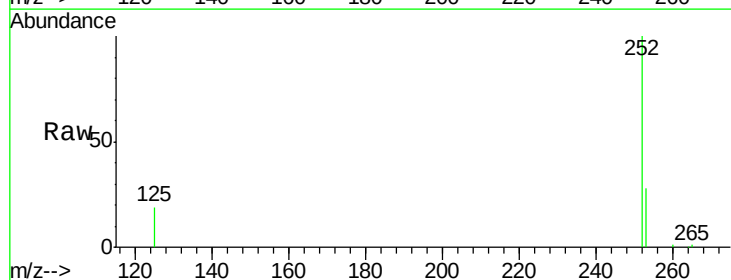
Tgt Ion:252 Resp: 683052

Ion Ratio Lower Upper

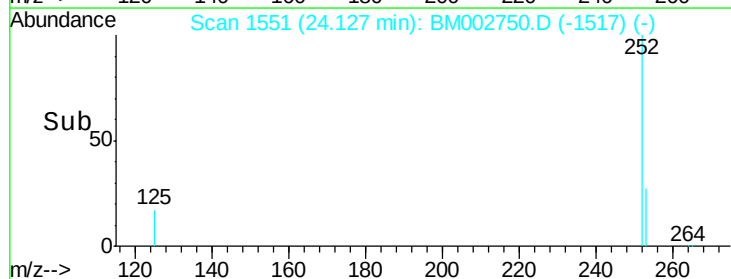
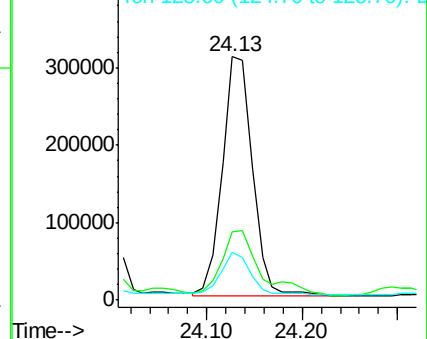
252 100

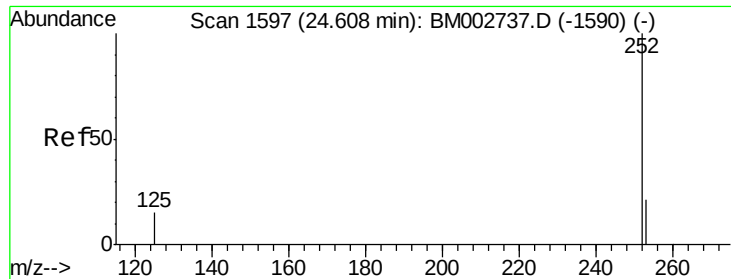
253 27.9 20.8 31.2

125 19.5 12.2 18.4#



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: 89.69 ng/ul

RT: 24.63 min Scan# 1599

Delta R.T. 0.02 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

Instrument :

BNA_M

ClientSampleId :

D9G67MSD

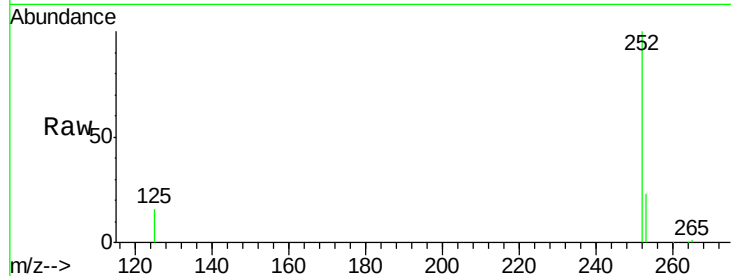
Tot Ion:252 Resp: 3643459

Ion Ratio Lower Upper

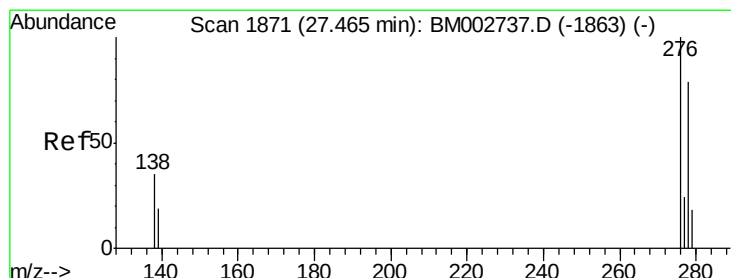
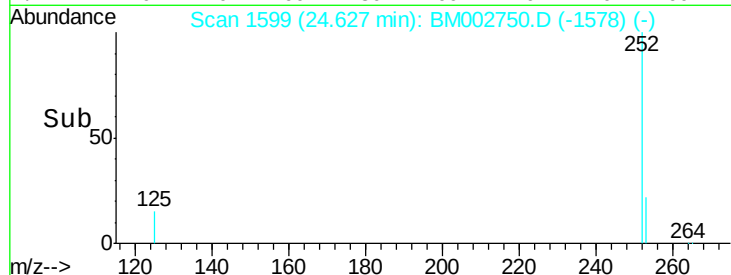
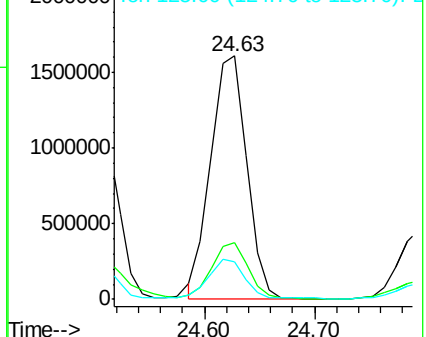
252 100

253 23.5 21.8 32.8

125 15.5 14.5 21.7



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: 57.60 ng/ul

RT: 27.49 min Scan# 1874

Delta R.T. 0.03 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

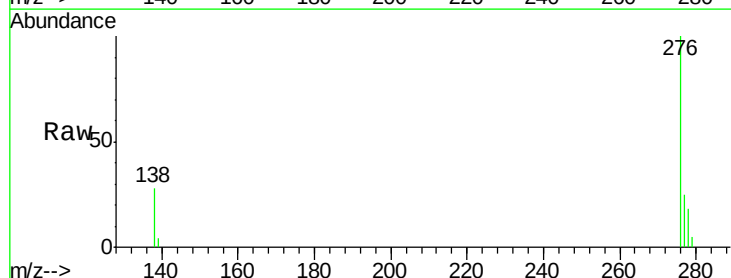
Tgt Ion:276 Resp: 2609700

Ion Ratio Lower Upper

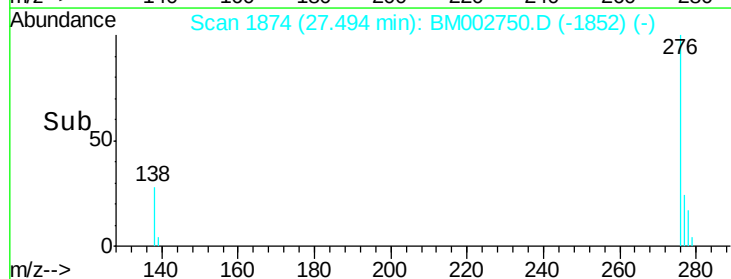
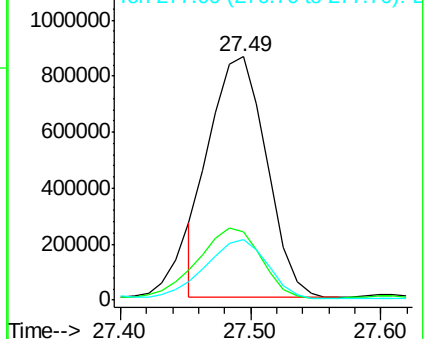
276 100

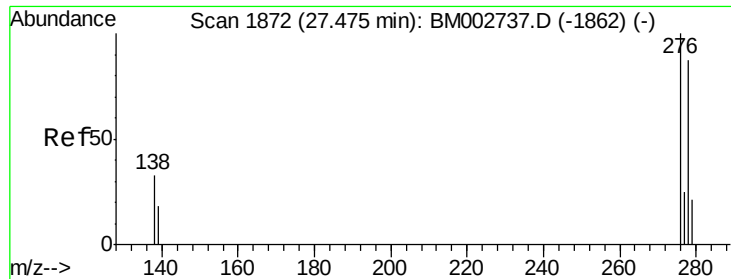
138 28.1 27.5 41.3

277 24.6 19.3 28.9



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: 5.80 ng/ul

RT: 27.61 min Scan# 1885

Delta R.T. 0.13 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

Instrument :

BNA_M

ClientSampleId :

D9G67MSD

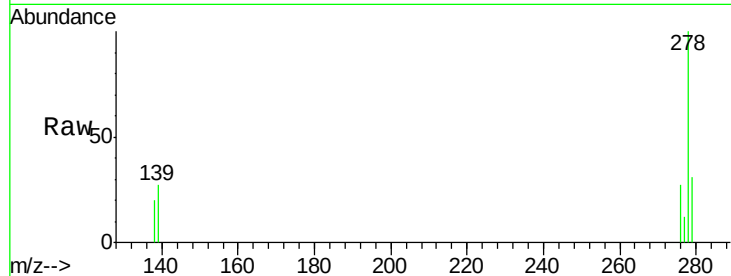
Tot Ion:278 Resp: 215477

Ion Ratio Lower Upper

278 100

139 27.4 21.7 32.5

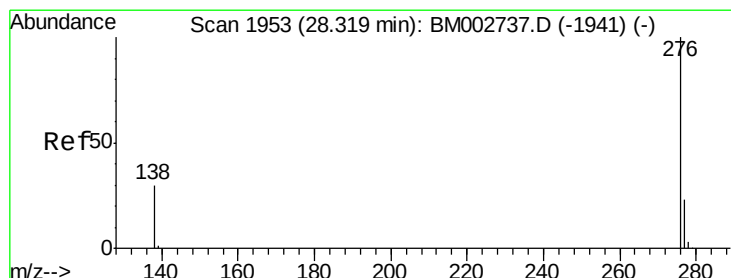
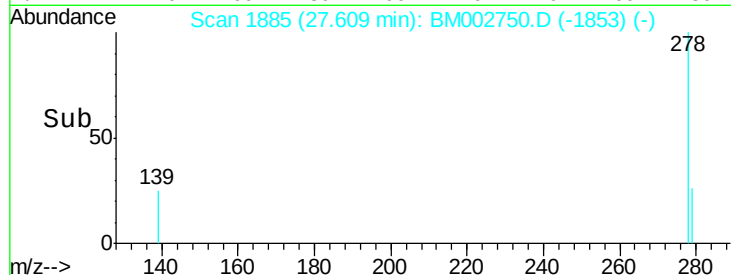
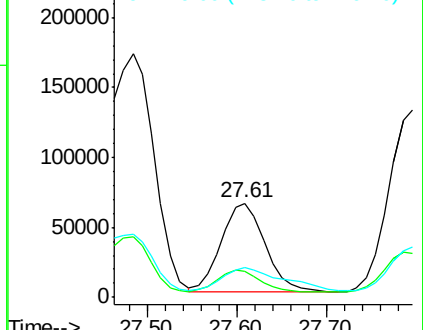
279 31.4 21.9 32.9



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: 52.80 ng/ul

RT: 28.35 min Scan# 1956

Delta R.T. 0.03 min

Lab File: BM002750.D

Acq: 29 Sep 2015 01:10

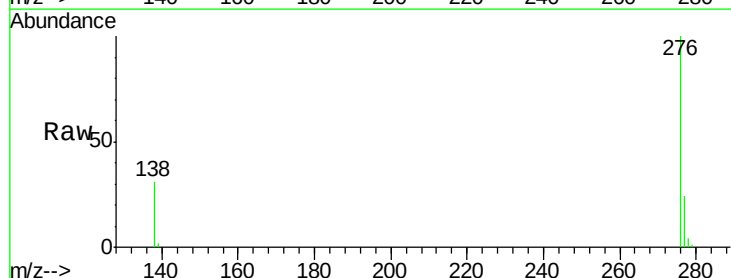
Tgt Ion:276 Resp: 2028831

Ion Ratio Lower Upper

276 100

277 24.5 21.3 31.9

138 31.1 25.5 38.3



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

