

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092815\
 Data File : BM002749.D
 Acq On : 29 Sep 2015 00:33
 Operator : UM/IZ
 Sample : G3798-25MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9G67MS

Quant Time: Sep 29 04:42:04 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

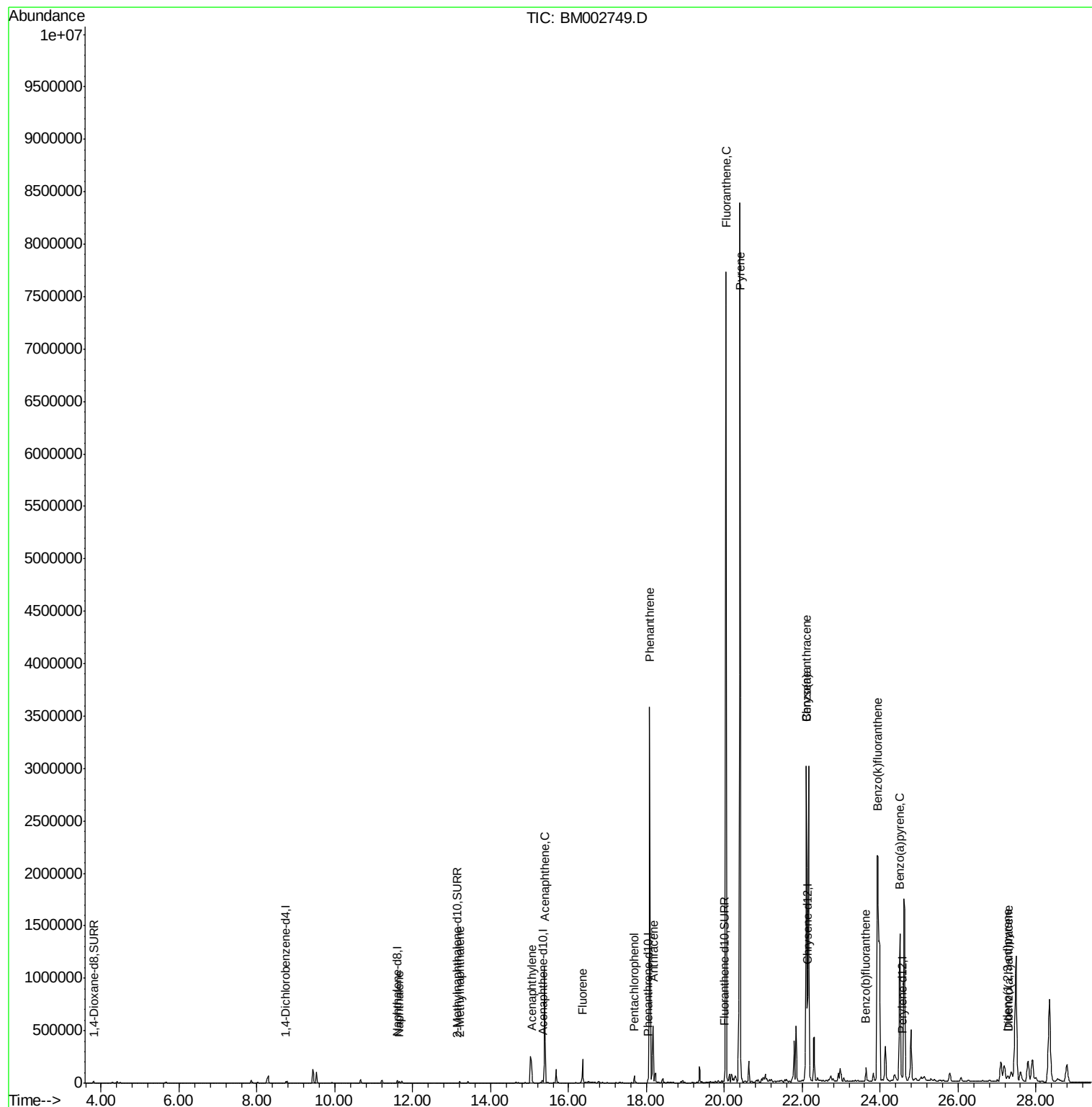
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	8288	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	32246	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	17257	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	37167	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	42851	0.40	ng/ul	0.00
22) Perylene-d12	24.56	264	28741	0.40	ng/ul	-0.17
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.80	96	15207	1.78	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.13	152	5338	0.11	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	9051	0.10	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.65	128	20034	0.23	ng/ul	99
7) 2-Methylnaphthalene	13.20	142	12738	0.23	ng/ul	99
9) Acenaphthylene	15.06	152	84830	0.95	ng/ul	96
10) Acenaphthene	15.38	153	694581	10.69	ng/ul	95
11) Fluorene	16.36	166	152155	2.05	ng/ul	89
13) Pentachlorophenol	17.69	266	52102	7.18	ng/ul	95
14) Phenanthrene	18.08	178	3998398	33.06	ng/ul	99
15) Anthracene	18.17	178	666833	5.97	ng/ul	96
17) Fluoranthene	20.05	202	8515993	64.74	ng/ul	89
19) Pyrene	20.40	202	7815104	46.80	ng/ul	98
20) Benzo(a)anthracene	22.10	228	3411767	23.82	ng/ul	99
21) Chrysene	22.10	228	3411767	24.89	ng/ul	95
23) Benzo(b)fluoranthene	23.64	252	46394	0.45	ng/ul#	1
24) Benzo(k)fluoranthene	23.93	252	4405385	45.89	ng/ul	95
25) Benzo(a)pyrene	24.50	252	2103691	22.05	ng/ul	91
26) Indeno(1,2,3-cd)pyrene	27.28	276	42630	0.40	ng/ul#	73
27) Dibenzo(a,h)anthracene	27.29	278	11081	0.13	ng/ul#	79

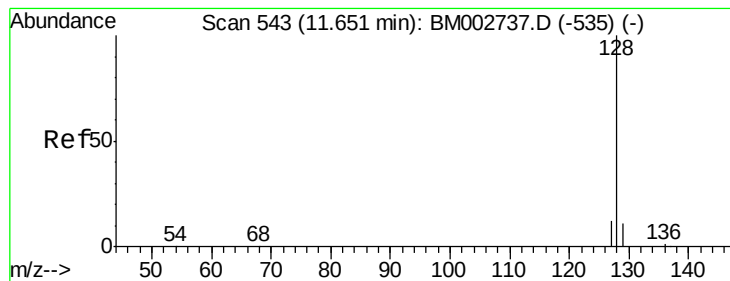
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.23 ng/ul

RT: 11.65 min Scan# 543

Delta R.T. -0.00 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Instrument :

BNA_M

ClientSampleId :

D9G67MS

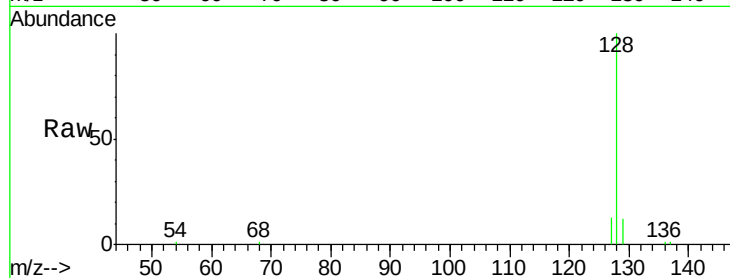
Tot Ion:128 Resp: 20034

Ion Ratio Lower Upper

128 100

129 12.1 9.8 14.8

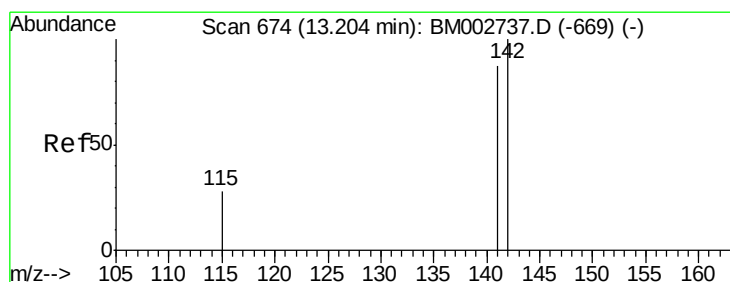
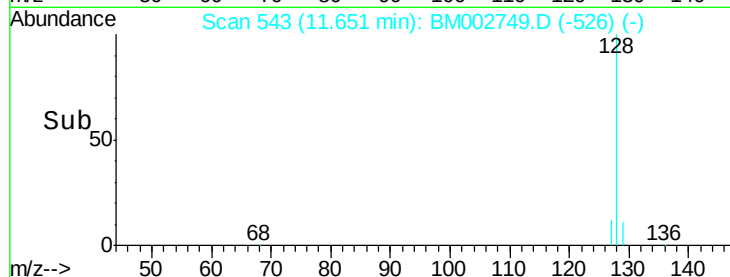
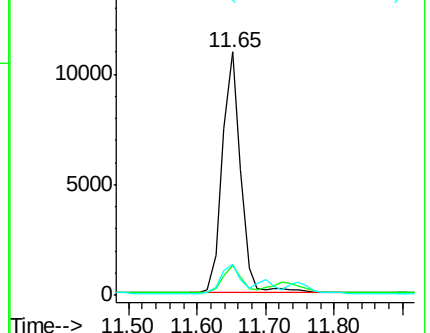
127 12.9 10.7 16.1



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: 0.23 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002749.D

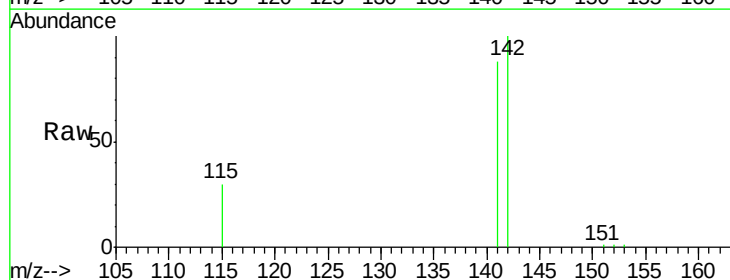
Acq: 29 Sep 2015 00:33

Tgt Ion:142 Resp: 12738

Ion Ratio Lower Upper

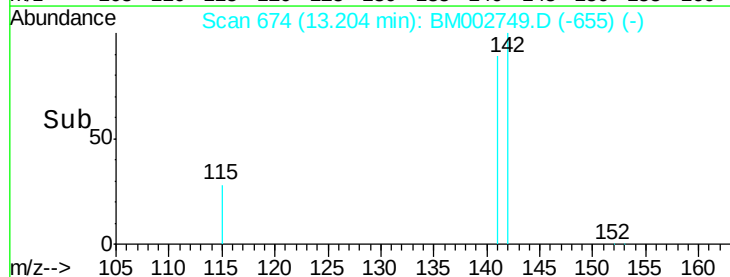
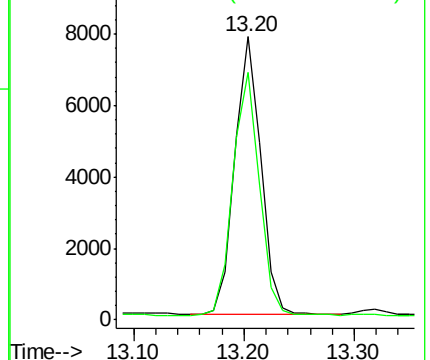
142 100

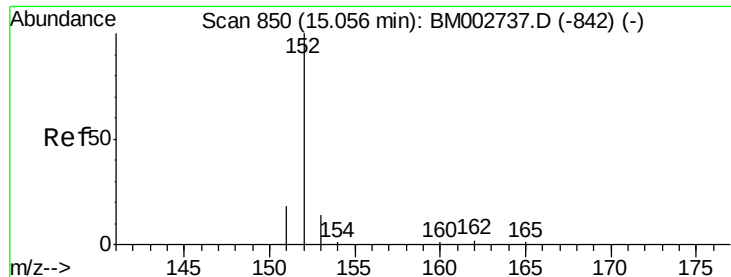
141 88.4 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.95 ng/ul

RT: 15.06 min Scan# 850

Delta R.T. -0.00 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Instrument :

BNA_M

ClientSampleId :

D9G67MS

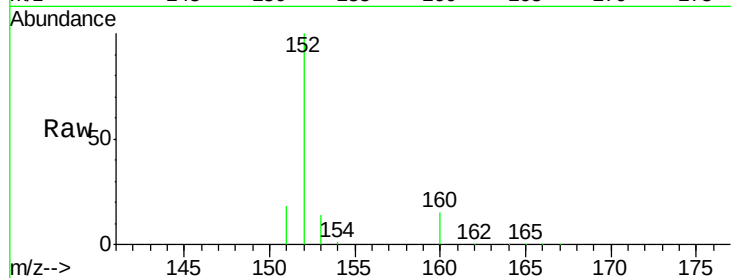
Tot Ion:152 Resp: 84830

Ion Ratio Lower Upper

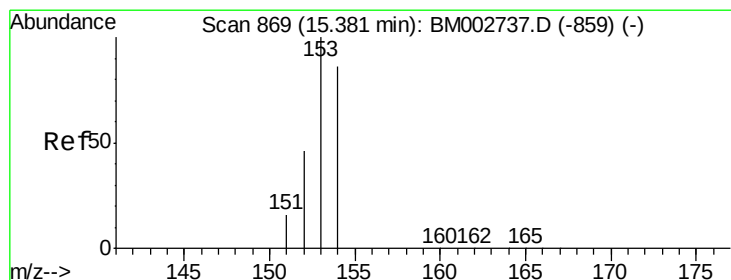
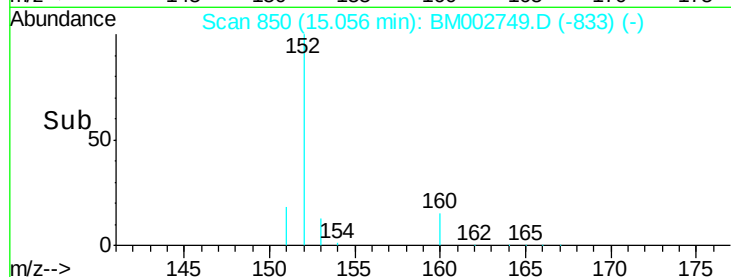
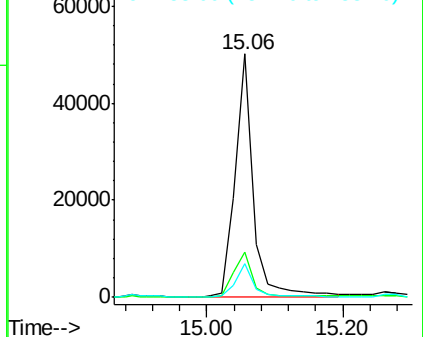
152 100

151 18.4 16.8 25.2

153 13.6 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: 10.69 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. 0.00 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

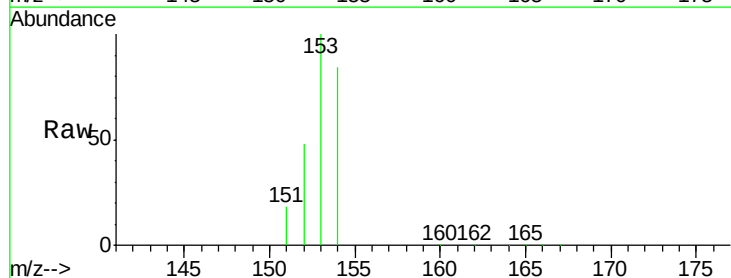
Tgt Ion:153 Resp: 694581

Ion Ratio Lower Upper

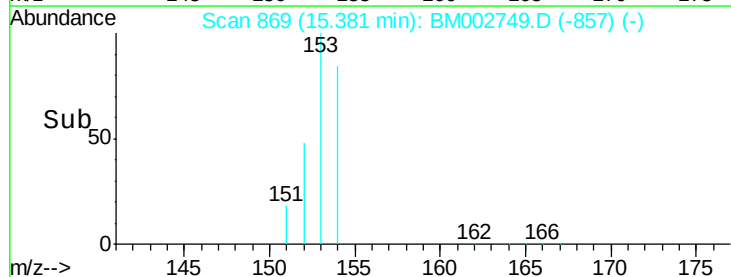
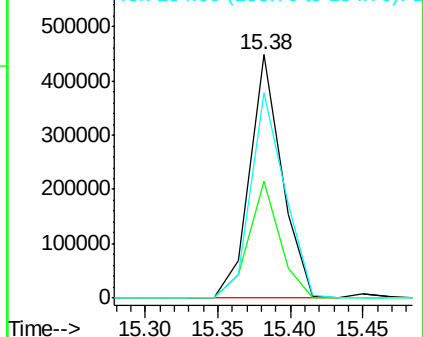
153 100

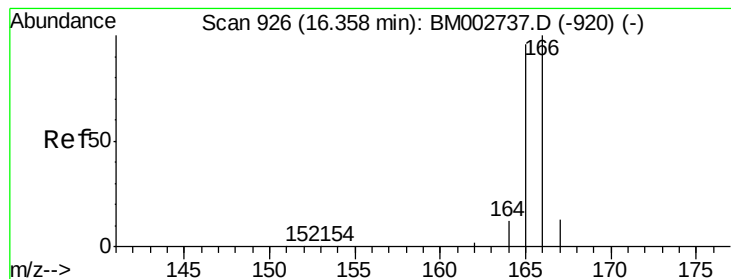
152 48.0 42.3 63.5

154 84.2 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: 2.05 ng/ul

RT: 16.36 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Instrument :

BNA_M

ClientSampleId :

D9G67MS

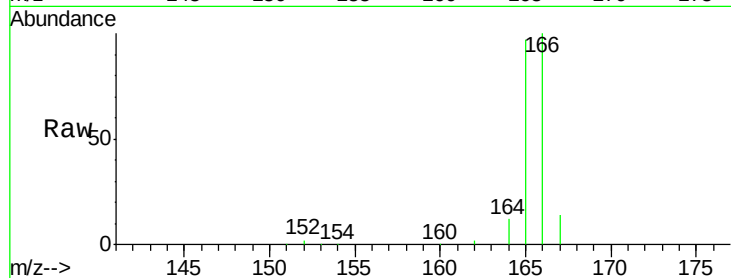
Tot Ion:166 Resp: 152155

Ion Ratio Lower Upper

166 100

165 97.0 87.6 131.4

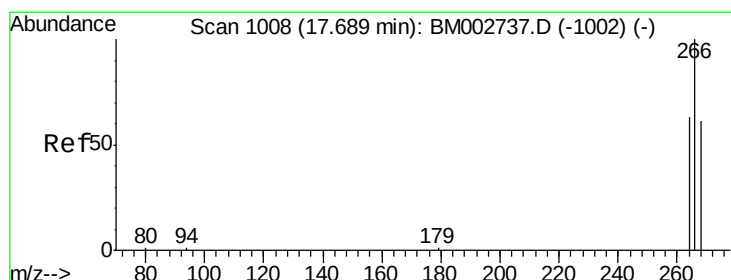
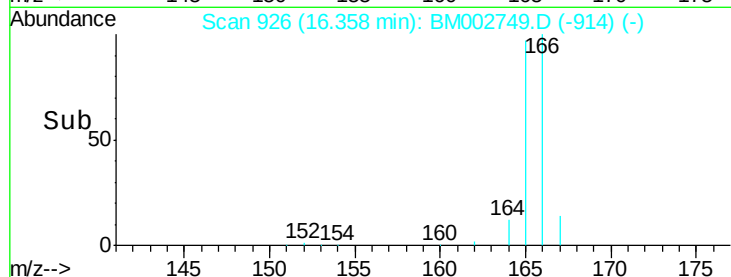
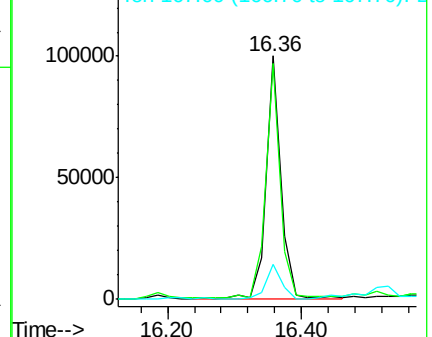
167 14.1 11.1 16.7



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: 7.18 ng/ul

RT: 17.69 min Scan# 1008

Delta R.T. 0.00 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

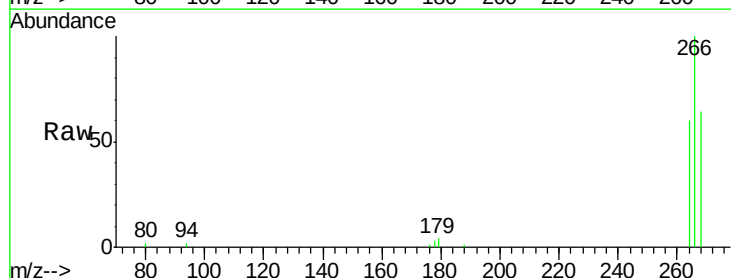
Tgt Ion:266 Resp: 52102

Ion Ratio Lower Upper

266 100

264 62.6 53.5 80.3

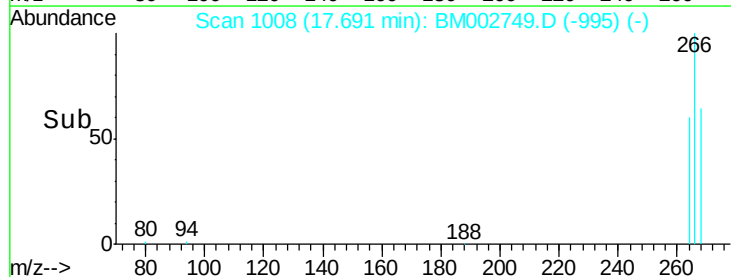
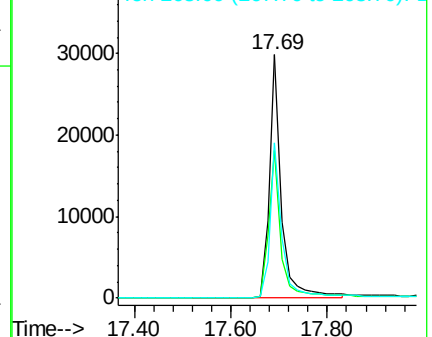
268 63.6 54.2 81.2

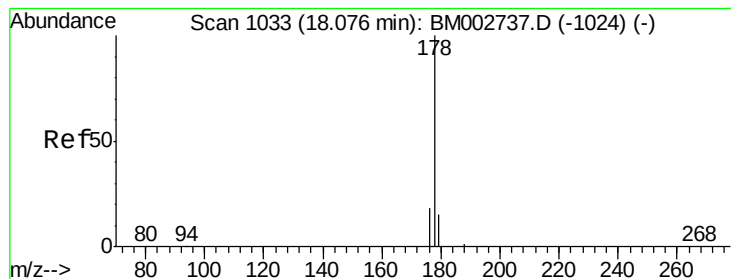


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 33.06 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. 0.00 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Instrument :

BNA_M

ClientSampleId :

D9G67MS

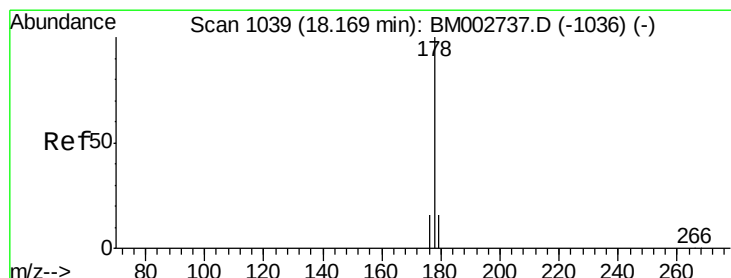
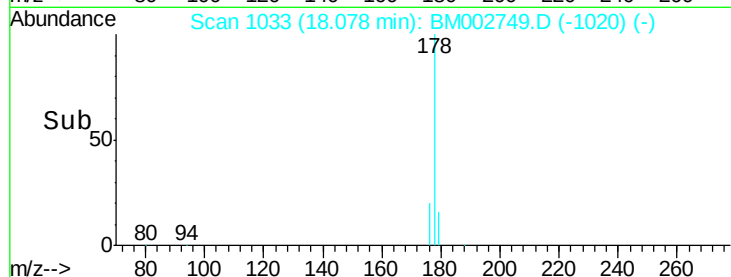
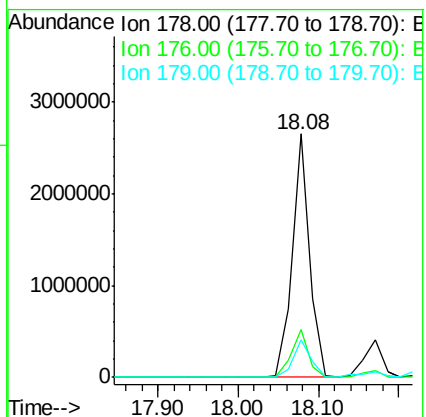
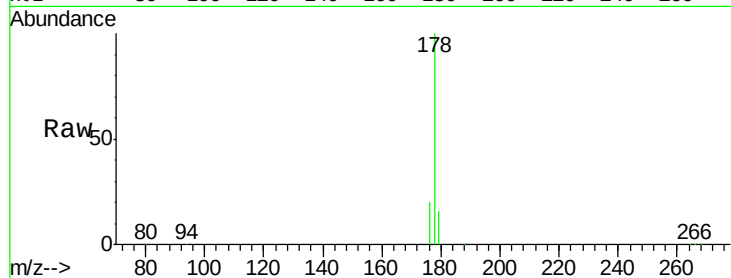
Tot Ion:178 Resp: 3998398

Ion Ratio Lower Upper

178 100

176 19.5 16.2 24.4

179 15.6 12.8 19.2



#15

Anthracene

Concen: 5.97 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

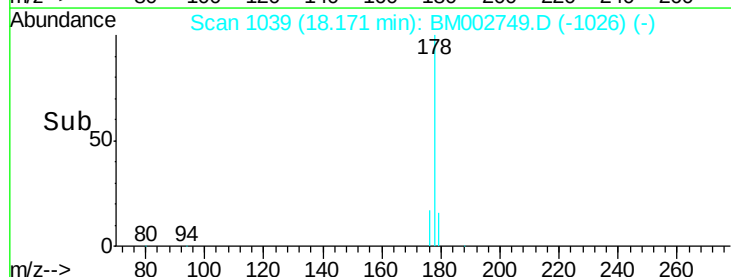
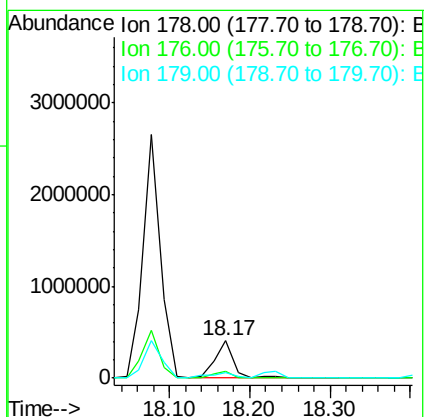
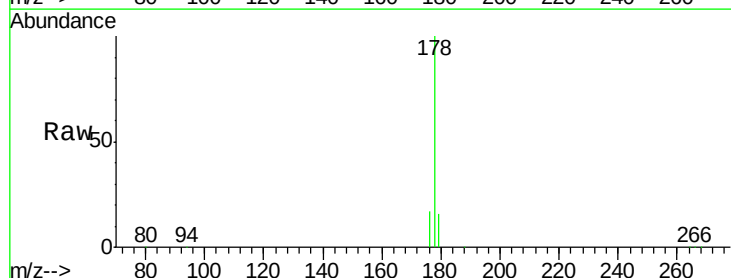
Tgt Ion:178 Resp: 666833

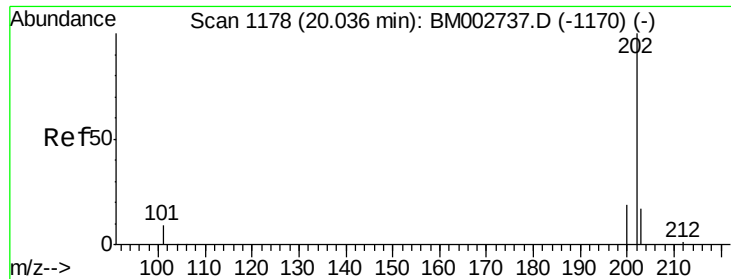
Ion Ratio Lower Upper

178 100

176 16.9 15.8 23.8

179 16.1 13.3 19.9

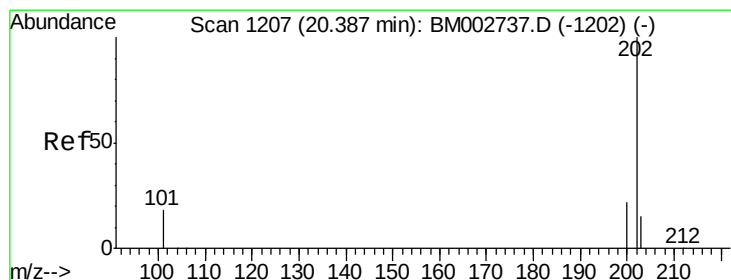
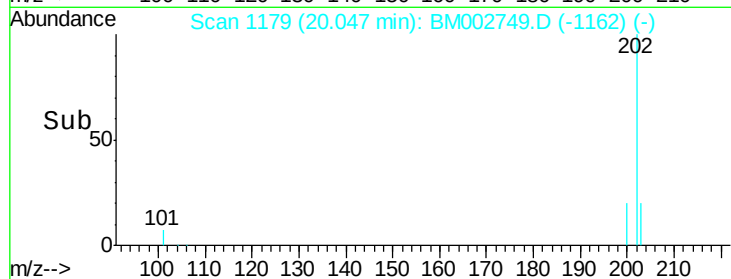
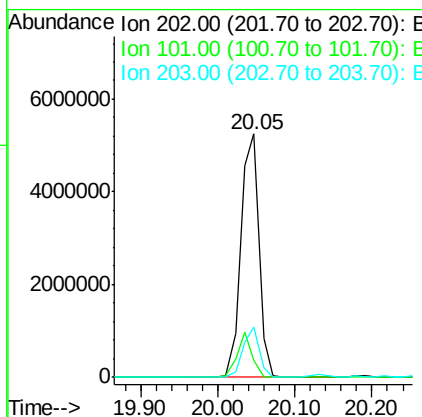
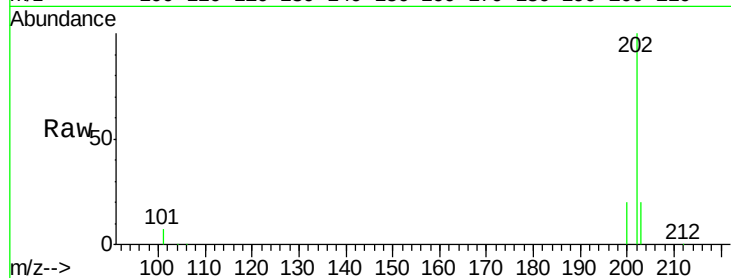




#17
 Fluoranthene
 Concen: 64.74 ng/ul
 RT: 20.05 min Scan# 1179
 Delta R.T. 0.01 min
 Lab File: BM002749.D
 Acq: 29 Sep 2015 00:33

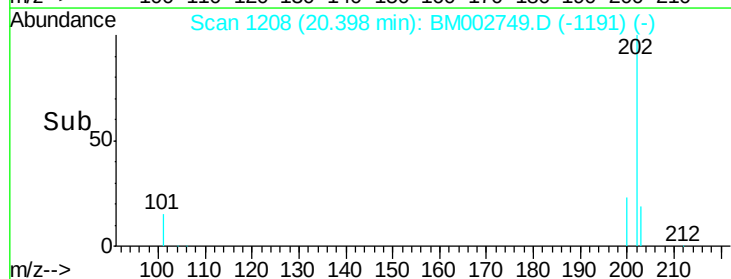
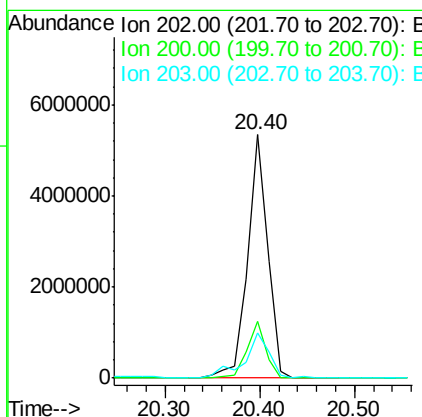
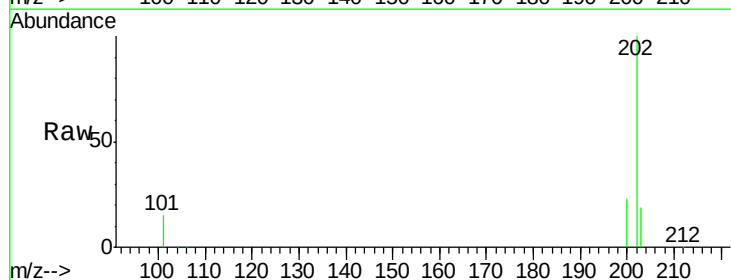
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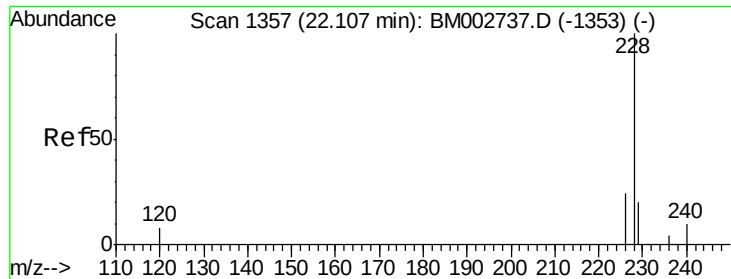
Tot Ion:202 Resp: 8515993
 Ion Ratio Lower Upper
 202 100
 101 7.0 0.0 33.1
 203 20.5 0.0 37.2



#19
 Pyrene
 Concen: 46.80 ng/ul
 RT: 20.40 min Scan# 1208
 Delta R.T. 0.01 min
 Lab File: BM002749.D
 Acq: 29 Sep 2015 00:33

Tgt Ion:202 Resp: 7815104
 Ion Ratio Lower Upper
 202 100
 200 23.2 18.0 27.0
 203 18.7 13.8 20.6





#20

Benzo(a)anthracene

Concen: 23.82 ng/ul

RT: 22.10 min Scan# 1357

Delta R.T. -0.00 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Instrument :

BNA_M

ClientSampleId :

D9G67MS

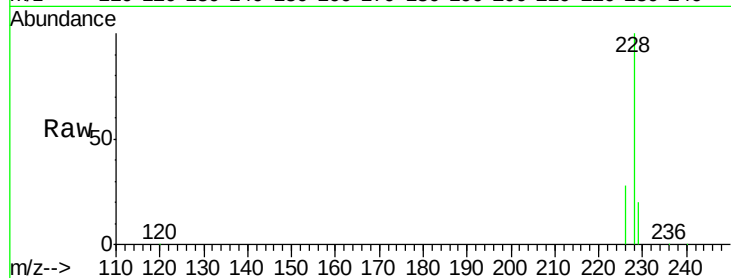
Tot Ion:228 Resp: 3411767

Ion Ratio Lower Upper

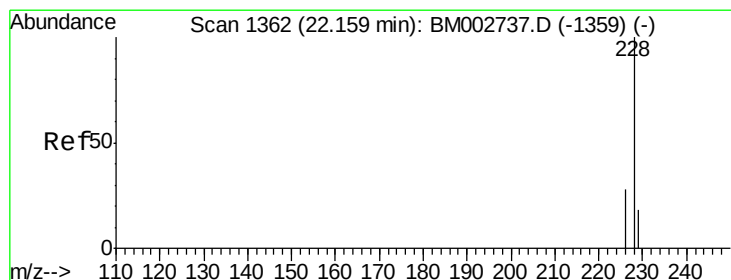
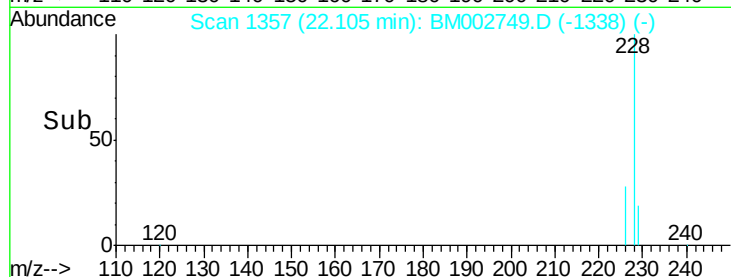
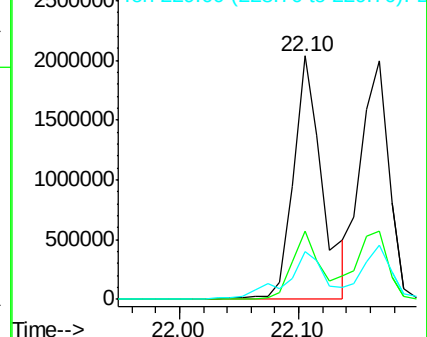
228 100

226 28.0 23.0 34.4

229 19.8 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: 24.89 ng/ul

RT: 22.10 min Scan# 1357

Delta R.T. -0.05 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

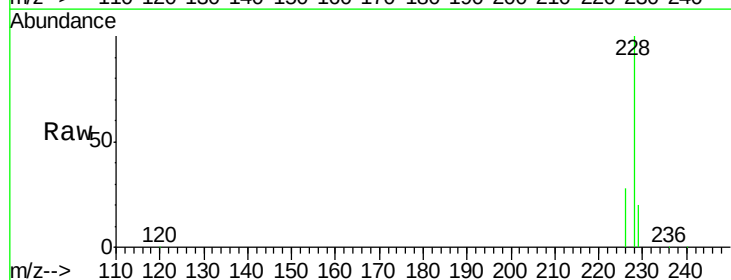
Tgt Ion:228 Resp: 3411767

Ion Ratio Lower Upper

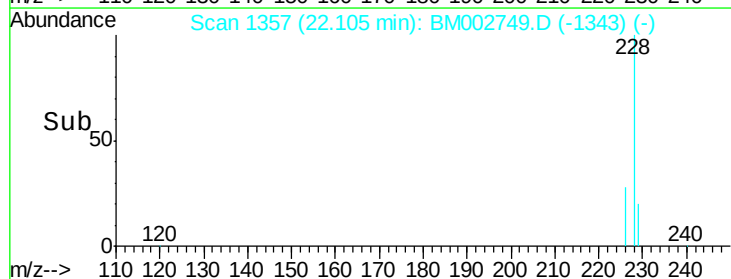
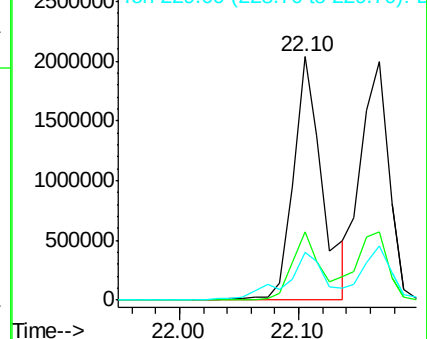
228 100

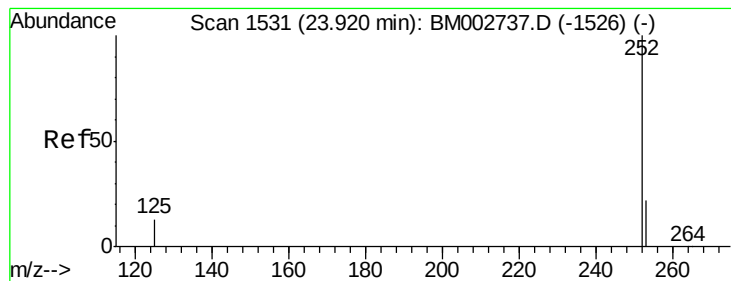
226 28.0 25.7 38.5

229 19.8 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: 0.45 ng/ul

RT: 23.64 min Scan# 1504

Delta R.T. -0.28 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Instrument :

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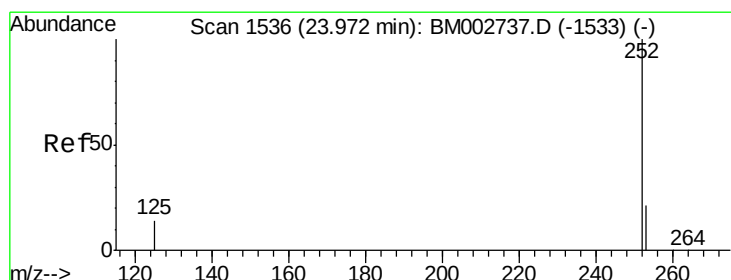
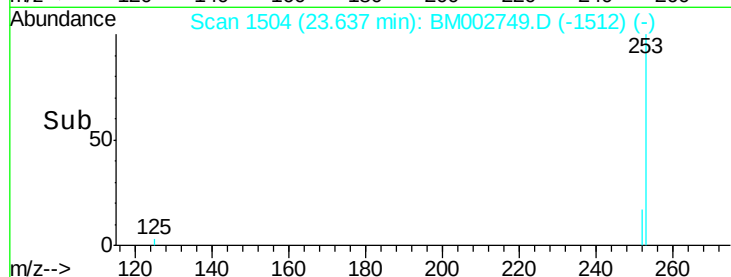
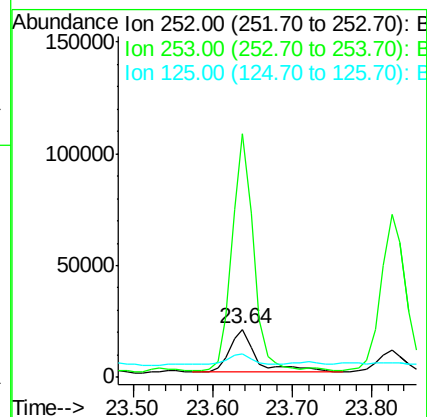
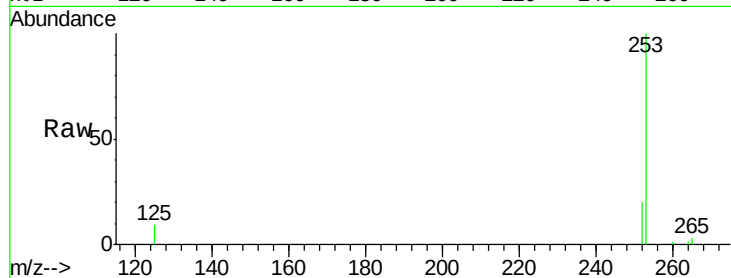
Tot Ion:252 Resp: 46394

Ion Ratio Lower Upper

252 100

253 508.6 0.0 48.0#

125 48.0 0.0 36.6#



#24

Benzo(k)fluoranthene

Concen: 45.89 ng/ul

RT: 23.93 min Scan# 1532

Delta R.T. -0.04 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

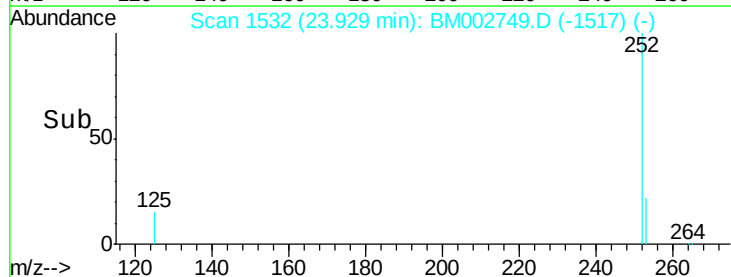
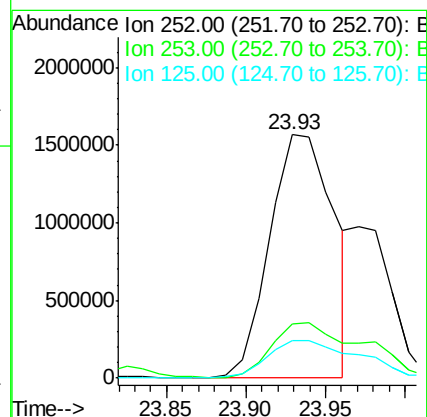
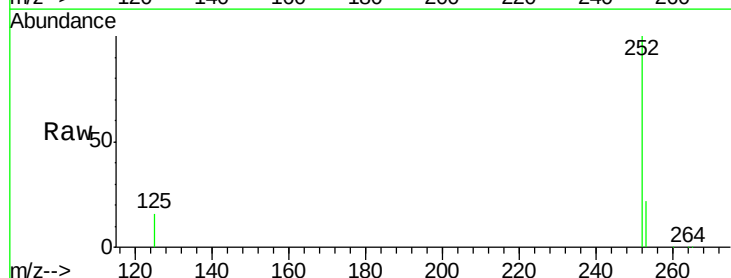
Tgt Ion:252 Resp: 4405385

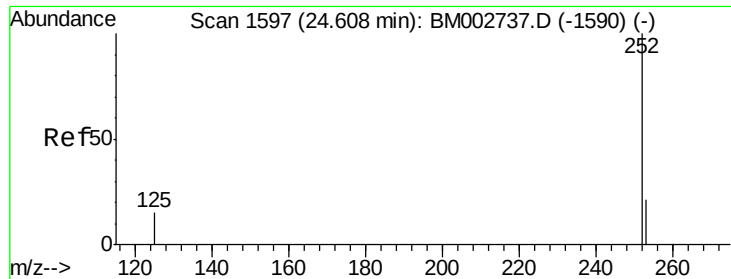
Ion Ratio Lower Upper

252 100

253 22.2 20.8 31.2

125 15.5 12.2 18.4





#25

Benzo(a)pyrene

Concen: 22.05 ng/ul

RT: 24.50 min Scan# 1587

Delta R.T. -0.11 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

Instrument :

BNA_M

ClientSampleId :

D9G67MS

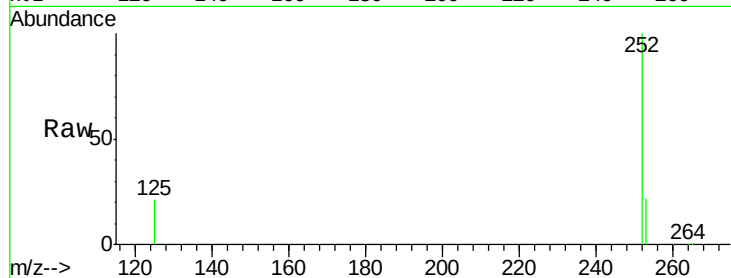
Tot Ion:252 Resp: 2103691

Ion Ratio Lower Upper

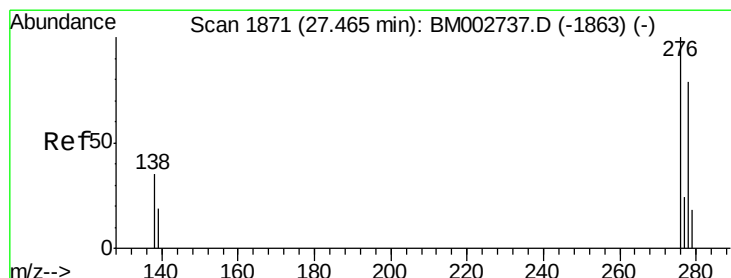
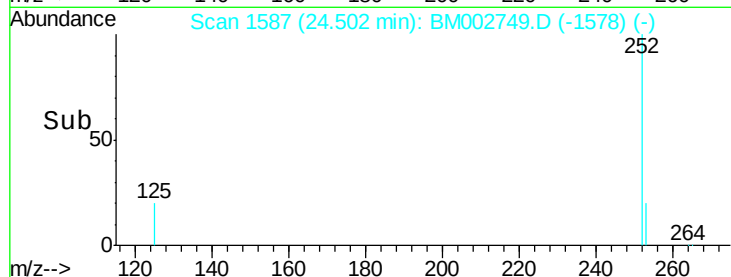
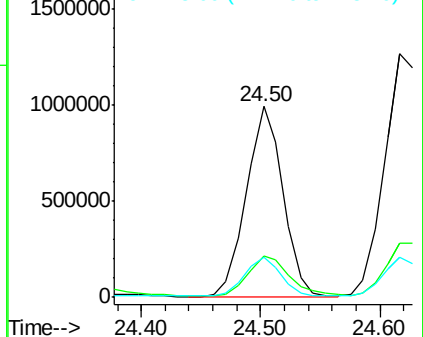
252 100

253 21.9 21.8 32.8

125 20.9 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: 0.40 ng/ul

RT: 27.28 min Scan# 1853

Delta R.T. -0.19 min

Lab File: BM002749.D

Acq: 29 Sep 2015 00:33

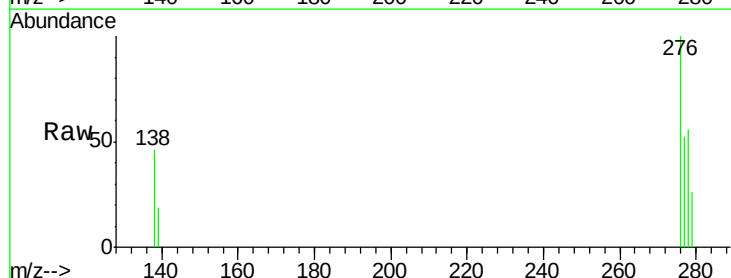
Tgt Ion:276 Resp: 42630

Ion Ratio Lower Upper

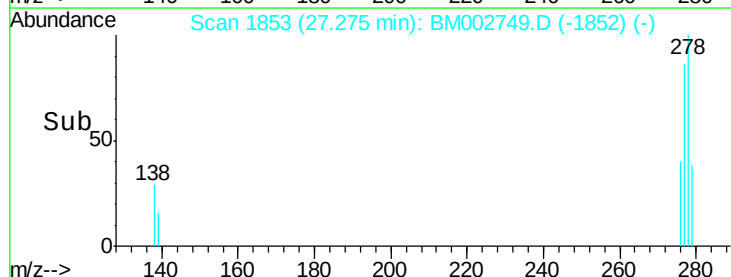
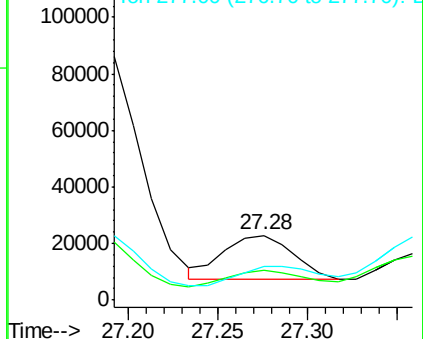
276 100

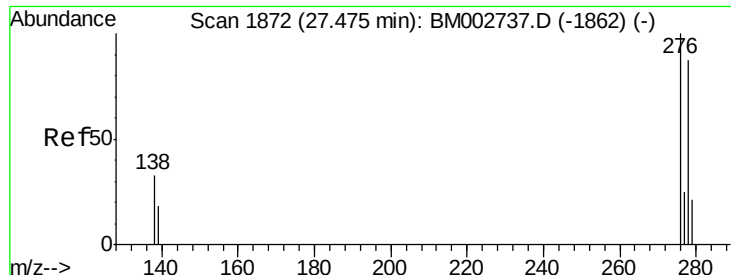
138 38.3 27.5 41.3

277 51.2 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: 0.13 ng/ul

RT: 27.29 min Scan# 1854

Delta R.T. -0.19 min

Lab File: BM002749.D

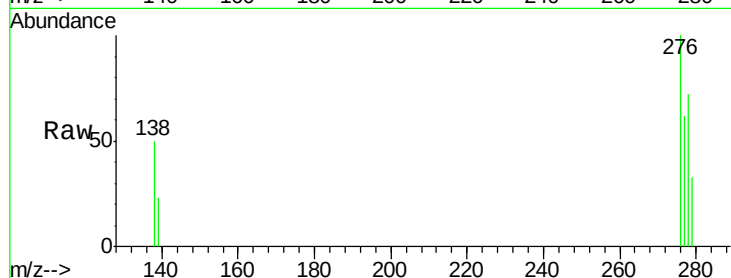
Acq: 29 Sep 2015 00:33

Instrument :

BNA_M

ClientSampleId :

D9G67MS



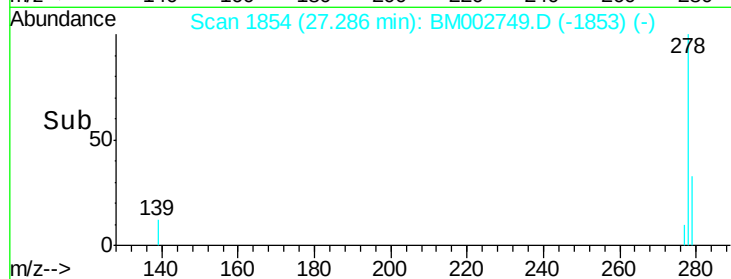
Tot Ion:278 Resp: 11081

Ion Ratio Lower Upper

278 100

139 31.5 21.7 32.5

279 45.0 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

