

Data Path : Z:\HPCHEM1\BNA M\DATA\BM092415\
 Data File : BM002717.D
 Acq On : 24 Sep 2015 18:16
 Operator : UM/IZ
 Sample : G3741-07MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JHAF7MSD

Quant Time: Sep 25 02:01:46 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 : Thu Sep 24 17:00:38 2015
 Response via : Initial Calibration

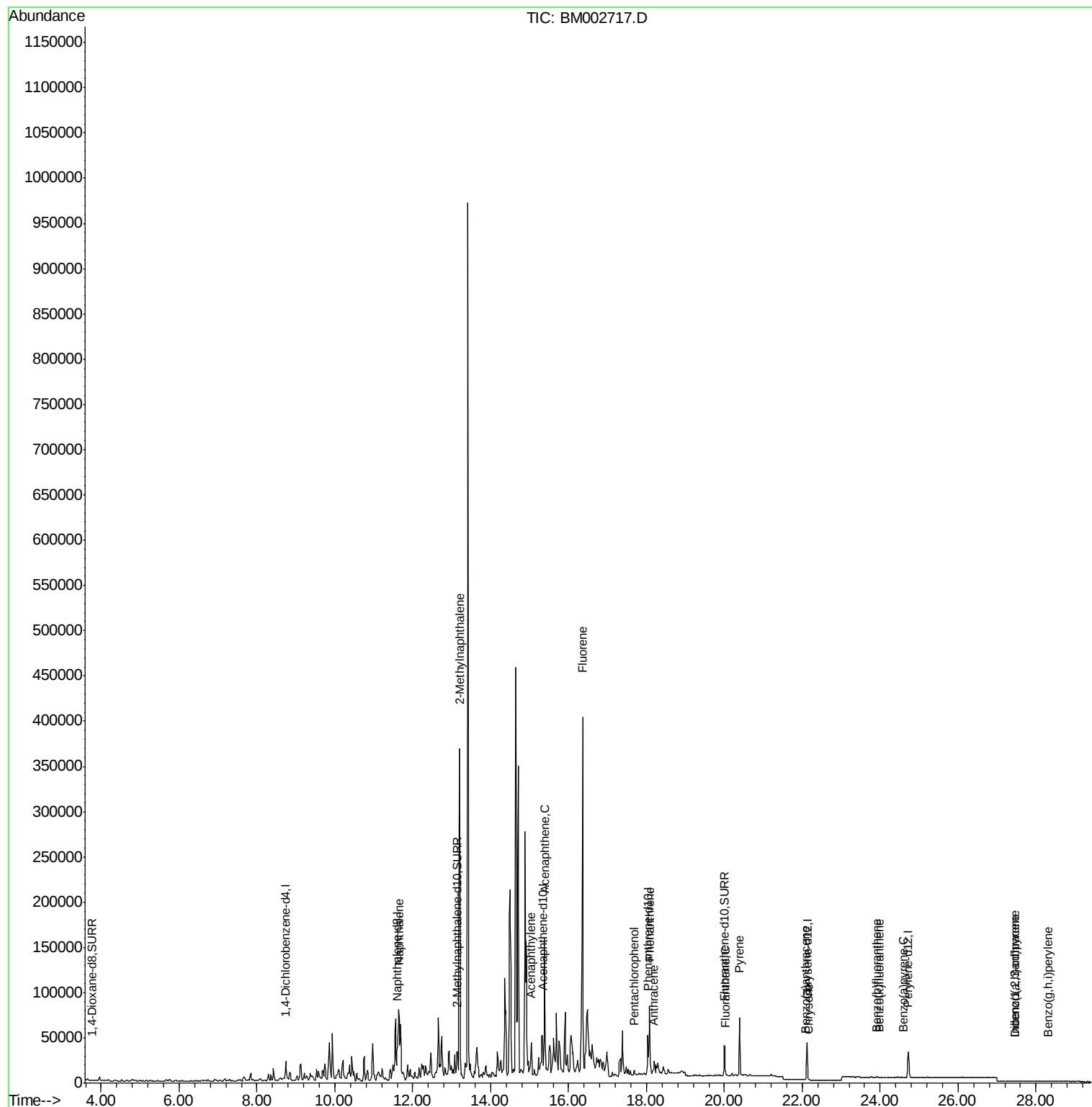
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.74	152	11666	0.40	ng/ul	0.00
4) Naphthalene-d8	11.60	136	46440	0.40	ng/ul	0.00
8) Acenaphthene-d10	15.33	164	37664	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	54793	0.40	ng/ul	0.00
18) Chrysene-d12	22.13	240	47864	0.40	ng/ul	0.00
22) Perylene-d12	24.72	264	43940	0.40	ng/ul	-0.01
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.76	96	148	0.01	ng/uL	-0.05
6) 2-Methylnaphthalene-d10	13.13	152	33211	0.49	ng/ul	0.00
16) Fluoranthene-d10	20.01	212	45422	0.33	ng/ul	0.00
Target Compounds				Ovalue		
5) Naphthalene	11.64	128	159386	1.27	ng/ul#	64
7) 2-Methylnaphthalene	13.20	142	291516	3.60	ng/ul	98
9) Acenaphthylene	15.04	152	21736	0.11	ng/ul#	1
10) Acenaphthene	15.38	153	90370	0.64	ng/ul	97
11) Fluorene	16.36	166	263968	1.63	ng/ul	86
13) Pentachlorophenol	17.69	266	5002	0.47	ng/ul	95
14) Phenanthrene	18.08	178	96908	0.54	ng/ul#	93
15) Anthracene	18.17	178	5786	0.04	ng/ul#	44
17) Fluoranthene	20.03	202	3311	0.02	ng/ul#	6
19) Pyrene	20.39	202	62041	0.33	ng/ul	96
20) Benzo(a)anthracene	22.09	228	845	0.01	ng/ul#	4
21) Chrysene	22.16	228	812	0.01	ng/ul#	16
23) Benzo(b)fluoranthene	23.92	252	646	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	23.97	252	463	0.00	ng/ul#	1
25) Benzo(a)pyrene	24.61	252	520	0.00	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	27.46	276	582	0.00	ng/ul#	88
27) Dibenzo(a,h)anthracene	27.46	278	477	0.00	ng/ul#	1
28) Benzo(a,h,i)perylene	28.32	276	527	0.00	ng/ul#	1

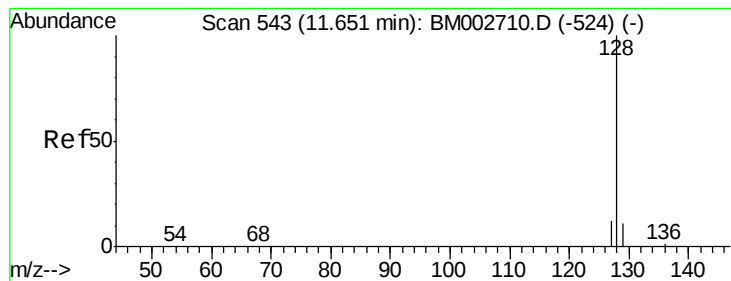
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 1.27 ng/ul

RT: 11.64 min Scan# 542

Delta R.T. -0.01 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

Instrument :

BNA_M

ClientSampleId :

JHAF7MSD

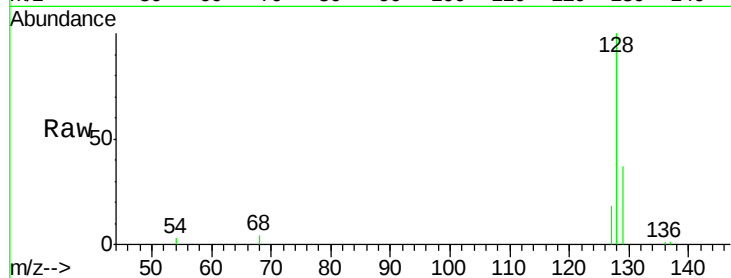
Tot Ion:128 Resp: 159386

Ion Ratio Lower Upper

128 100

129 37.2 9.8 14.8#

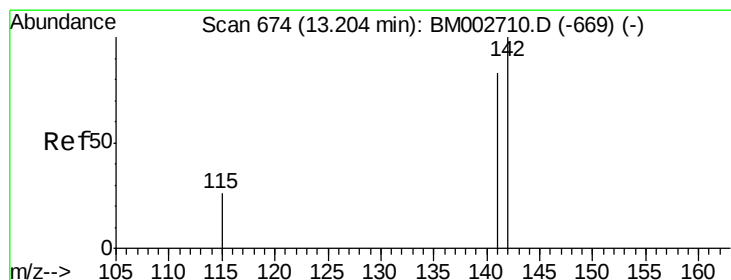
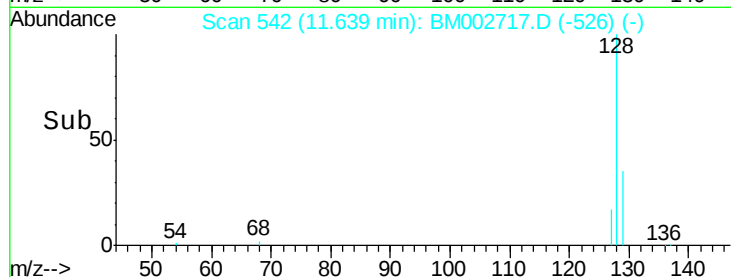
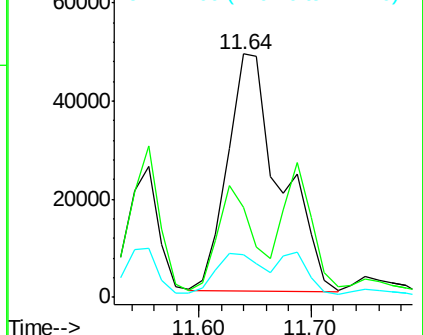
127 17.7 10.7 16.1#



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: 3.60 ng/ul

RT: 13.20 min Scan# 674

Delta R.T. -0.00 min

Lab File: BM002717.D

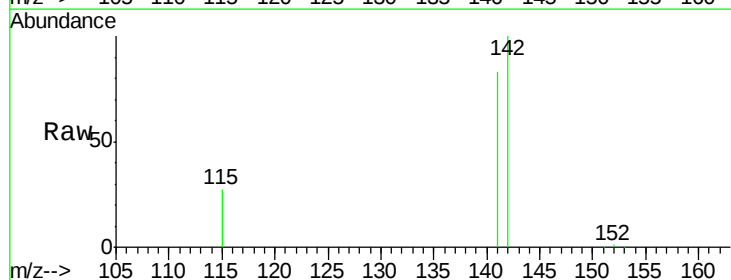
Acq: 24 Sep 2015 18:16

Tgt Ion:142 Resp: 291516

Ion Ratio Lower Upper

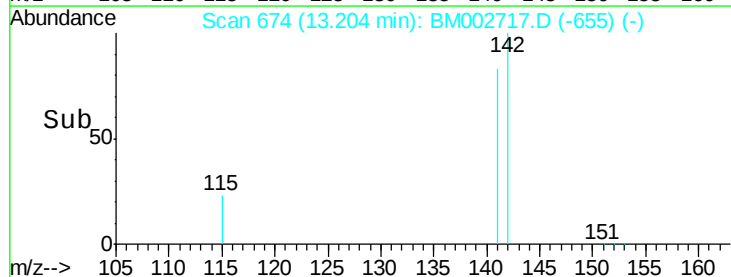
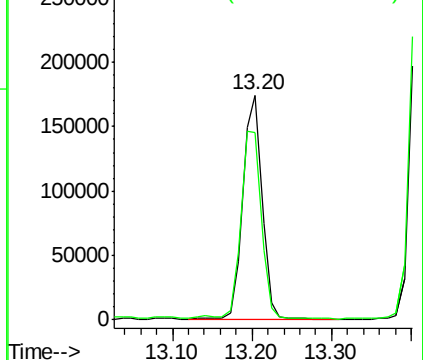
142 100

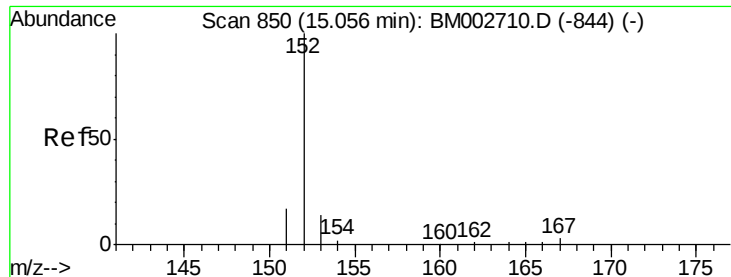
141 89.9 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.11 ng/ul

RT: 15.04 min Scan# 849

Delta R.T. -0.02 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

Instrument :

BNA_M

ClientSampleId :

JHAF7MSD

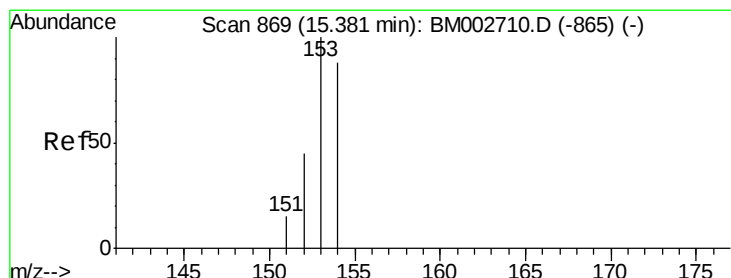
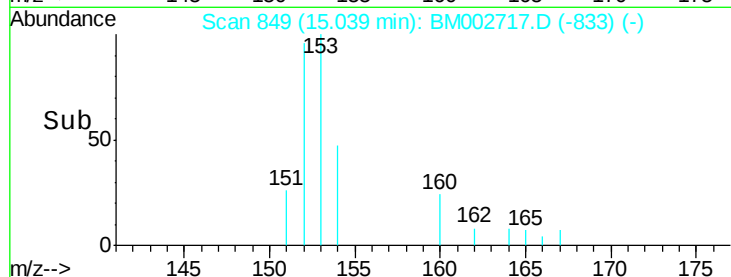
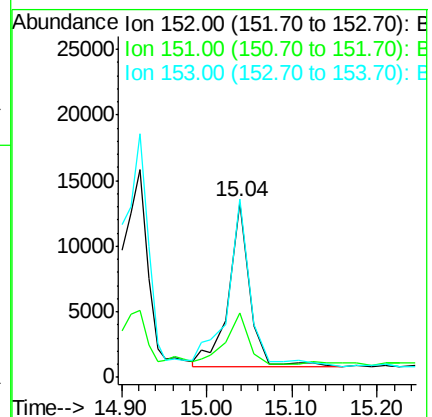
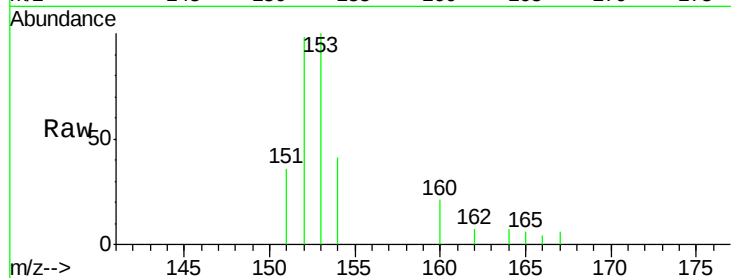
Tot Ion:152 Resp: 21736

Ion Ratio Lower Upper

152 100

151 37.1 16.8 25.2#

153 102.3 11.3 16.9#



#10

Acenaphthene

Concen: 0.64 ng/ul

RT: 15.38 min Scan# 869

Delta R.T. -0.00 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

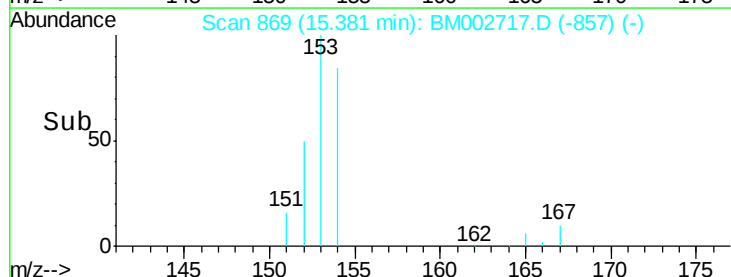
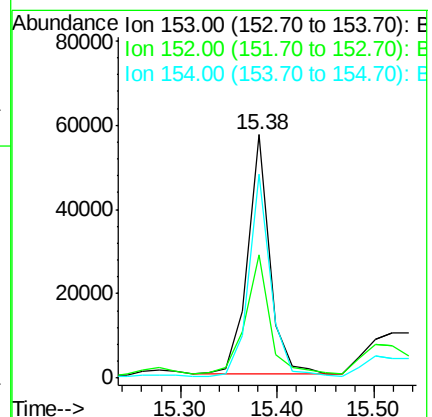
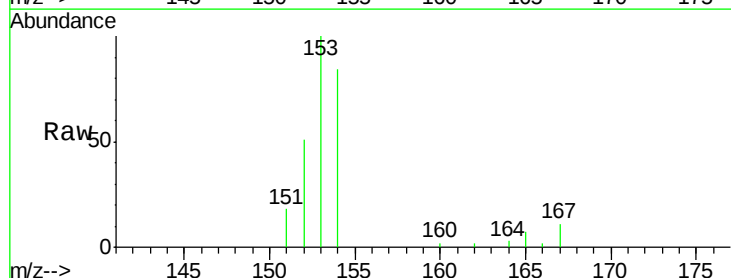
Tgt Ion:153 Resp: 90370

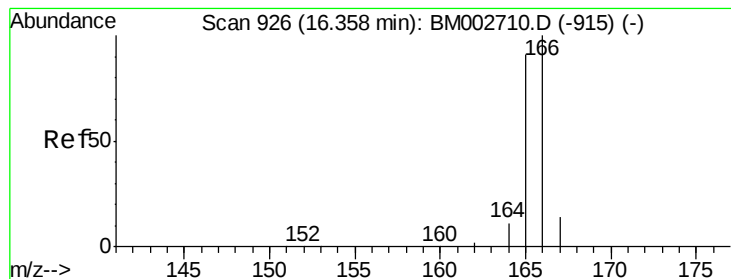
Ion Ratio Lower Upper

153 100

152 50.5 42.3 63.5

154 83.9 64.7 97.1





#11

Fluorene

Concen: 1.63 ng/ul

RT: 16.36 min Scan# 926

Delta R.T. -0.00 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

Instrument :

BNA_M

ClientSampleId :

JHAF7MSD

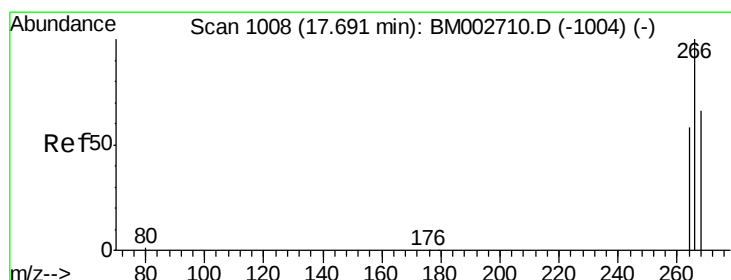
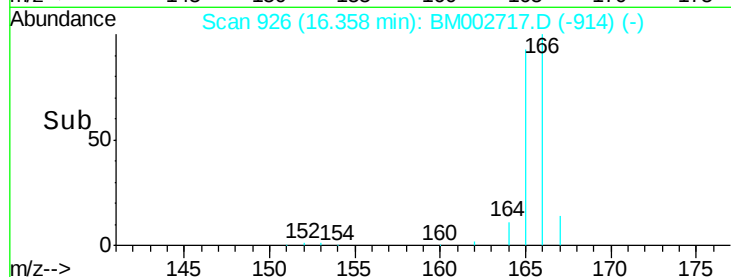
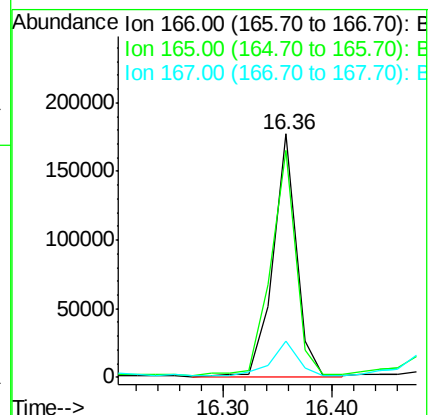
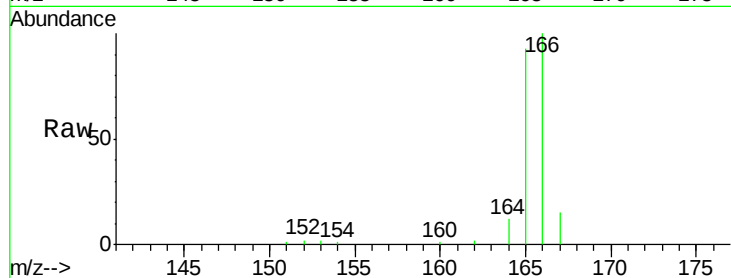
Tot Ion:166 Resp: 263968

Ion Ratio Lower Upper

166 100

165 93.3 87.6 131.4

167 14.7 11.1 16.7



#13

Pentachlorophenol

Concen: 0.47 ng/ul

RT: 17.69 min Scan# 1008

Delta R.T. -0.00 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

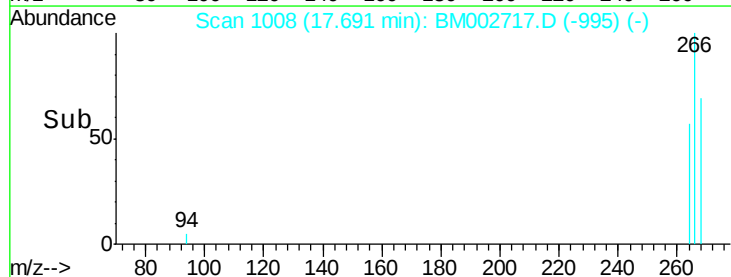
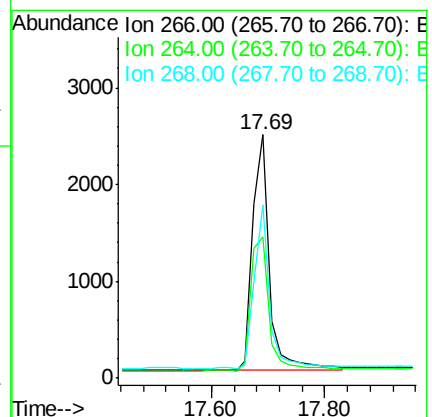
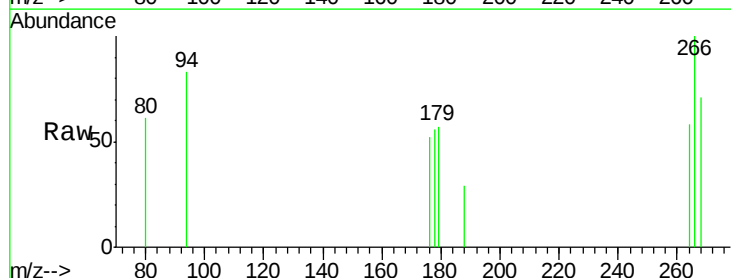
Tgt Ion:266 Resp: 5002

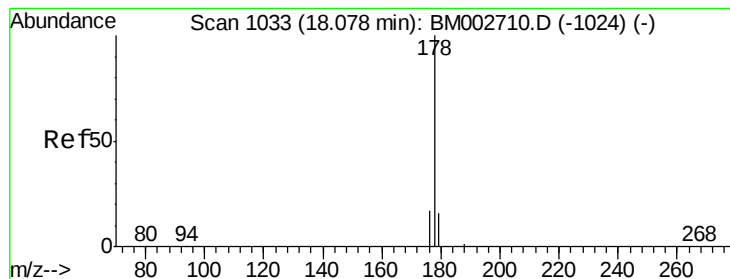
Ion Ratio Lower Upper

266 100

264 62.7 53.5 80.3

268 63.5 54.2 81.2





#14

Phenanthrene

Concen: 0.54 ng/ul

RT: 18.08 min Scan# 1033

Delta R.T. -0.00 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

Instrument :

BNA_M

ClientSampleId :

JHAF7MSD

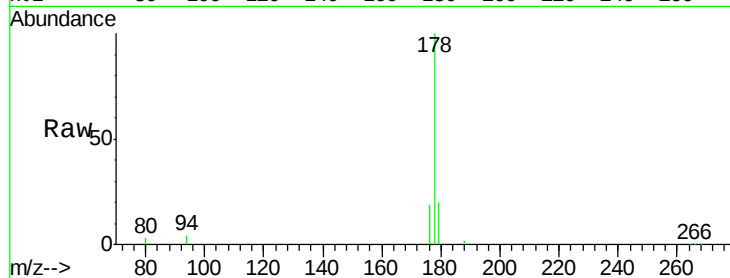
Tot Ion:178 Resp: 96908

Ion Ratio Lower Upper

178 100

176 18.5 16.2 24.4

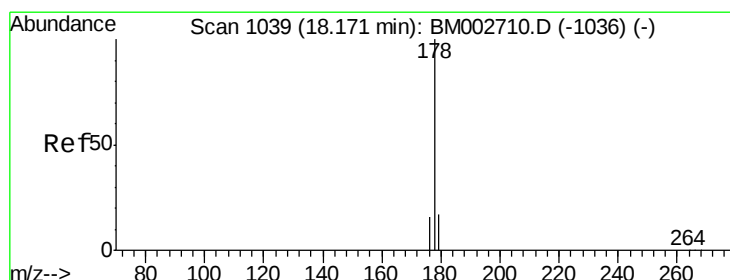
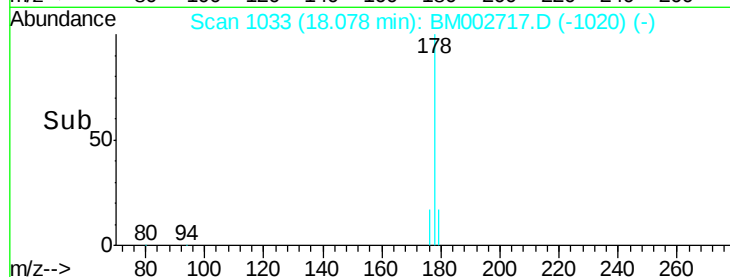
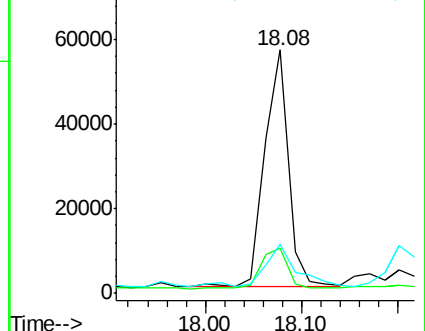
179 20.2 12.8 19.2#



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: 0.04 ng/ul

RT: 18.17 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

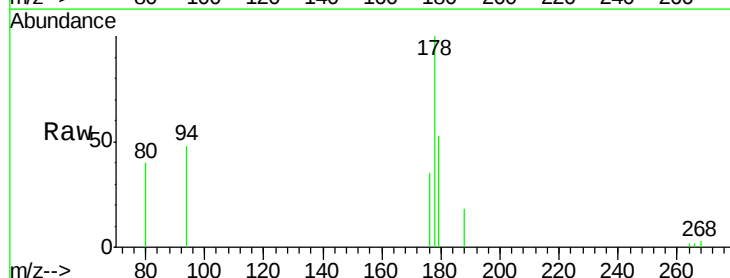
Tgt Ion:178 Resp: 5786

Ion Ratio Lower Upper

178 100

176 34.7 15.8 23.8#

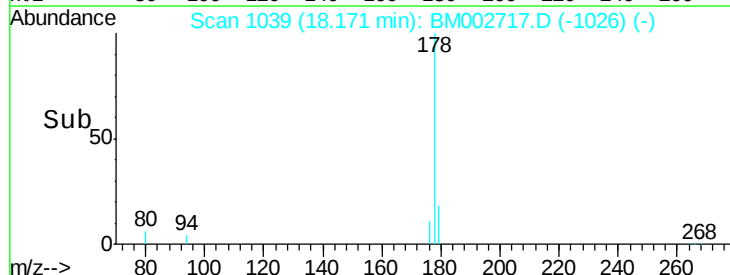
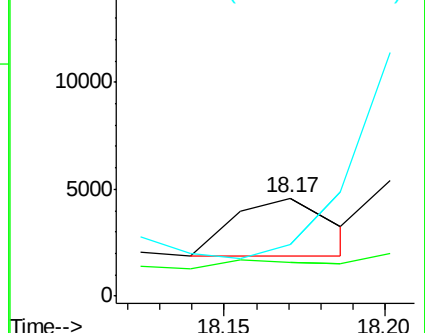
179 52.9 13.3 19.9#

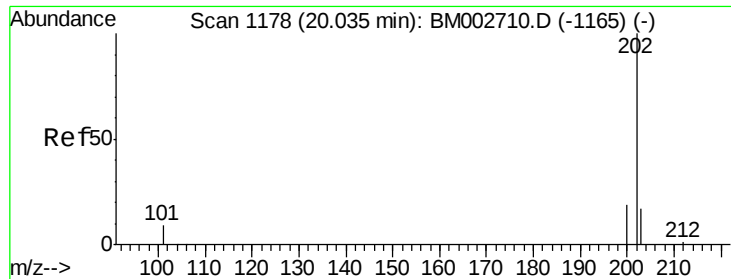


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

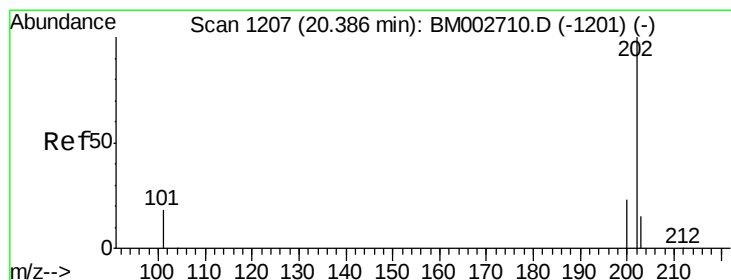
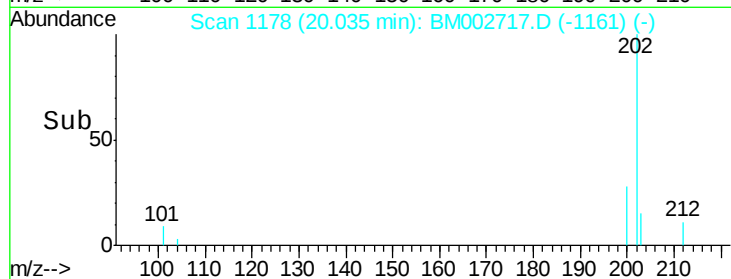
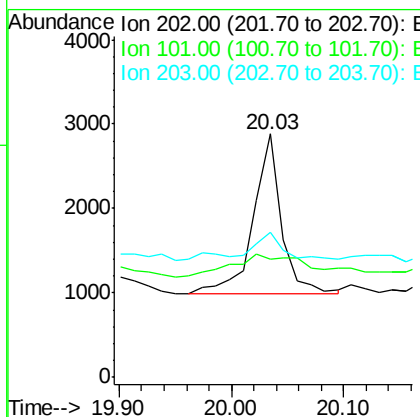
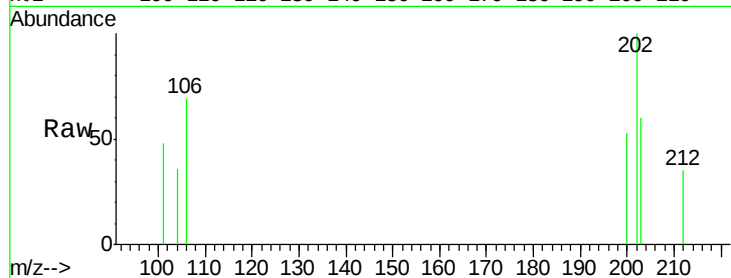




#17
Fluoranthene
 Concen: 0.02 ng/ul
 RT: 20.03 min Scan# 1178
 Delta R.T. -0.00 min
 Lab File: BM002717.D
 Acq: 24 Sep 2015 18:16

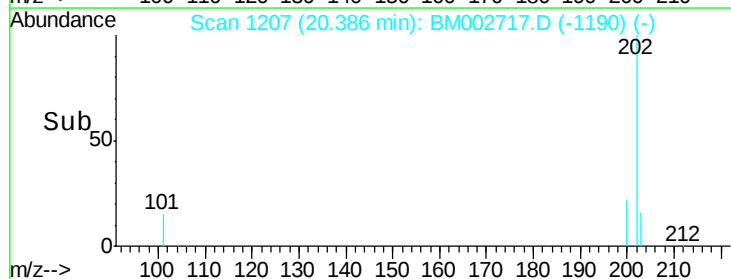
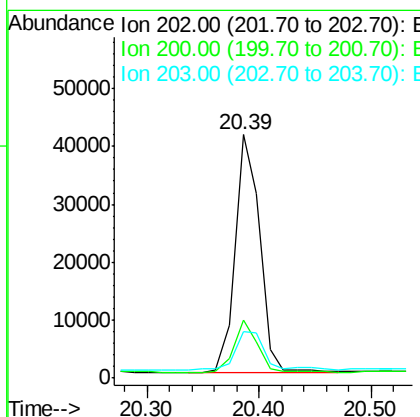
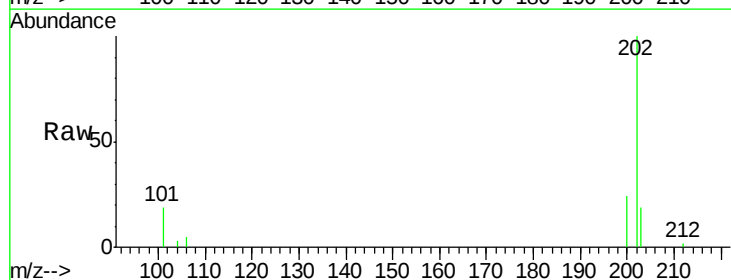
Instrument :
 BNA_M
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 JHAF7MSD

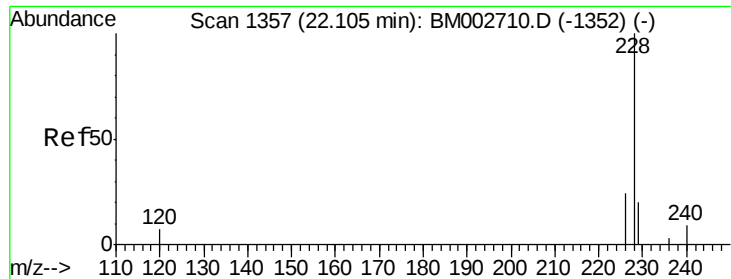
Tot Ion:202 Resp: 3311
 Ion Ratio Lower Upper
 202 100
 101 48.5 0.0 33.1#
 203 59.7 0.0 37.2#



#19
Pyrene
 Concen: 0.33 ng/ul
 RT: 20.39 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BM002717.D
 Acq: 24 Sep 2015 18:16

Tgt Ion:202 Resp: 62041
 Ion Ratio Lower Upper
 202 100
 200 24.1 18.0 27.0
 203 19.0 13.8 20.6





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 22.09 min Scan# 1356

Delta R.T. -0.01 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

Instrument :

BNA_M

ClientSampleId :

JHAF7MSD

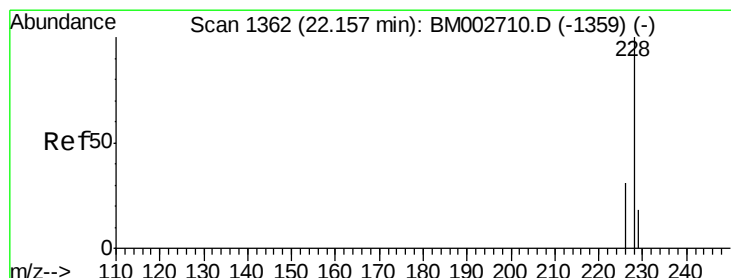
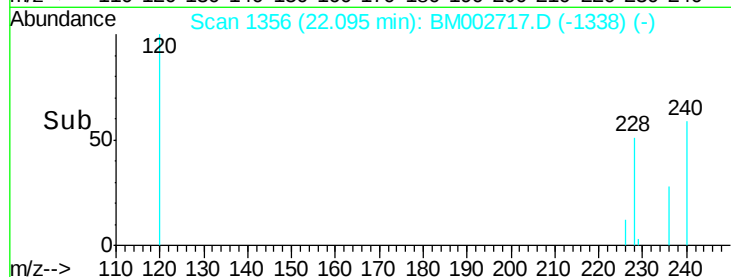
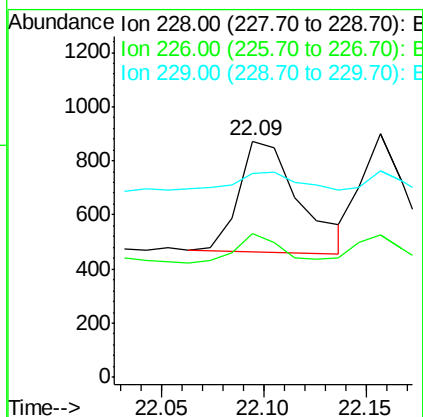
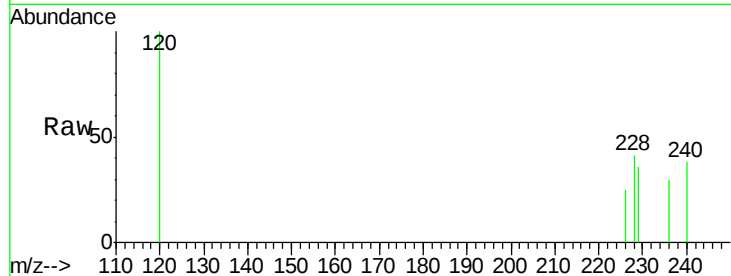
Tot Ion:228 Resp: 845

Ion Ratio Lower Upper

228 100

226 60.7 23.0 34.4#

229 86.5 15.2 22.8#



#21

Chrysene

Concen: 0.01 ng/ul

RT: 22.16 min Scan# 1362

Delta R.T. -0.00 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

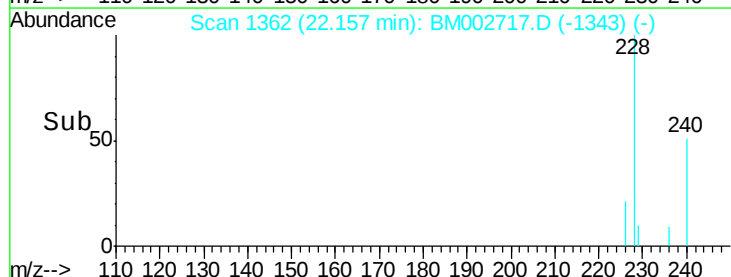
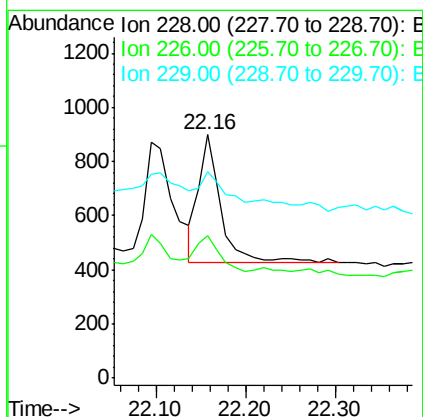
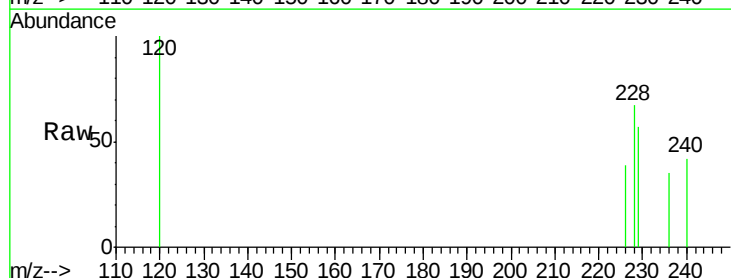
Tgt Ion:228 Resp: 812

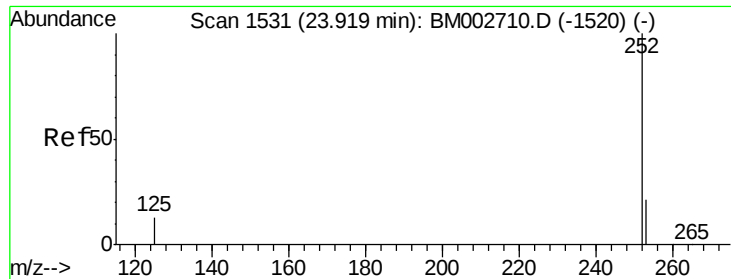
Ion Ratio Lower Upper

228 100

226 58.5 25.7 38.5#

229 84.6 15.2 22.8#





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/u1

RT: 23.92 min Scan# 1531

Delta R.T. -0.00 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

Instrument :

BNA_M

ClientSampleId :

JHAF7MSD

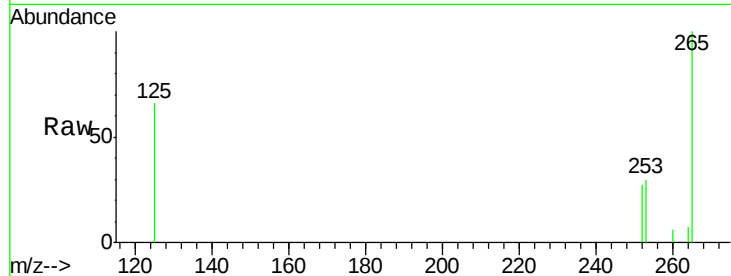
Tot Ion:252 Resp: 646

Ion Ratio Lower Upper

252 100

253 108.2 0.0 48.0#

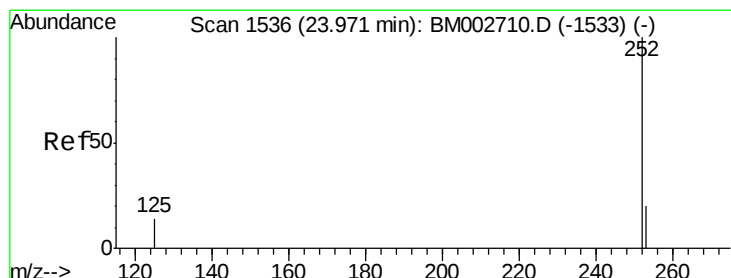
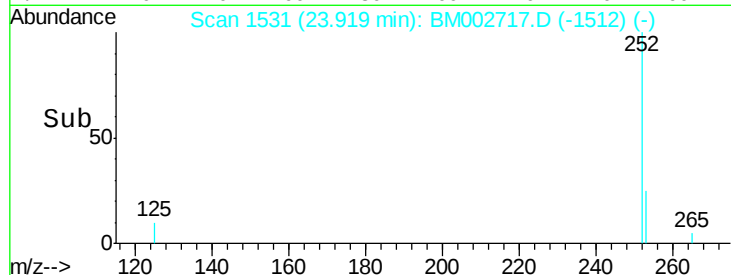
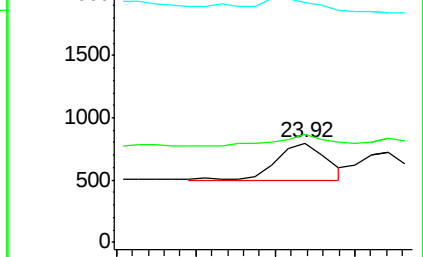
125 241.9 0.0 36.6#



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: 0.00 ng/u1

RT: 23.97 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

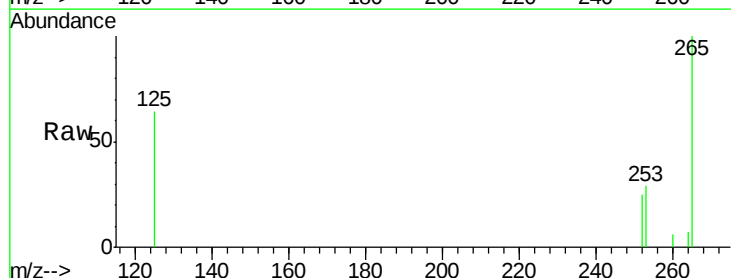
Tgt Ion:252 Resp: 463

Ion Ratio Lower Upper

252 100

253 115.7 20.8 31.2#

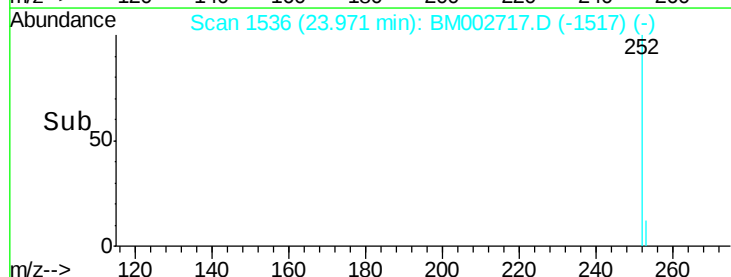
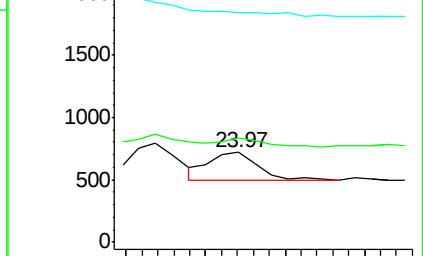
125 255.3 12.2 18.4#

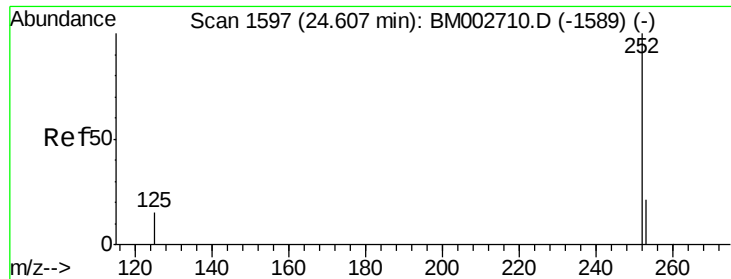


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.00 ng/u1

RT: 24.61 min Scan# 1597

Delta R.T. -0.00 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

Instrument :

BNA_M

ClientSampleId :

JHAF7MSD

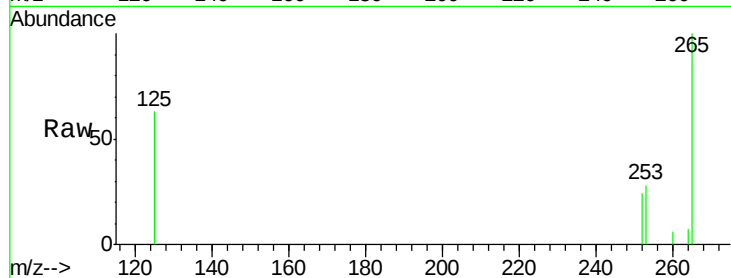
Tot Ion:252 Resp: 520

Ion Ratio Lower Upper

252 100

253 115.8 21.8 32.8#

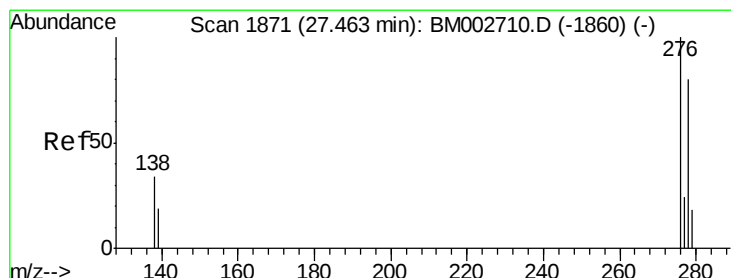
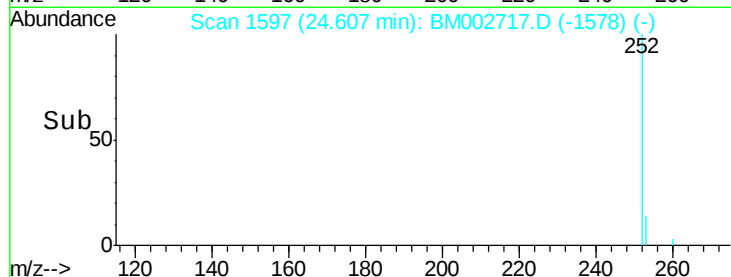
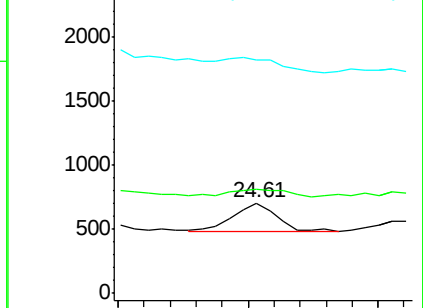
125 259.3 14.5 21.7#



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: 0.00 ng/u1

RT: 27.46 min Scan# 1871

Delta R.T. -0.00 min

Lab File: BM002717.D

Acq: 24 Sep 2015 18:16

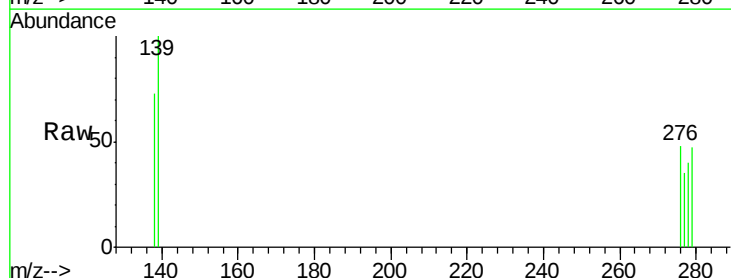
Tgt Ion:276 Resp: 582

Ion Ratio Lower Upper

276 100

138 43.0 27.5 41.3#

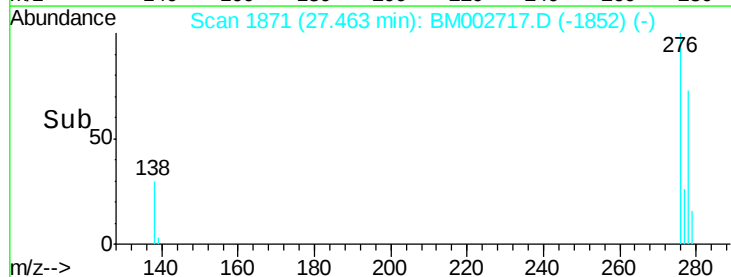
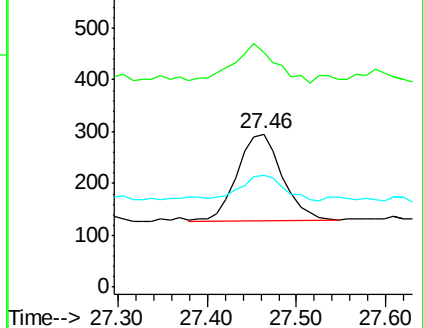
277 28.4 19.3 28.9

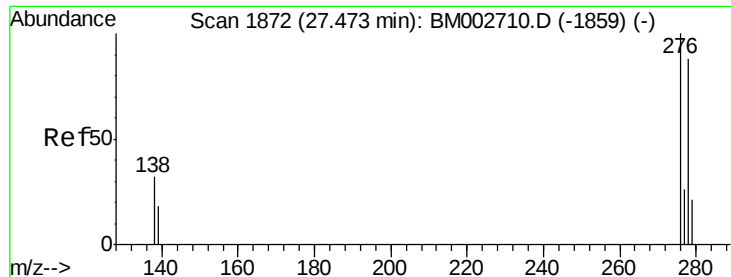


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

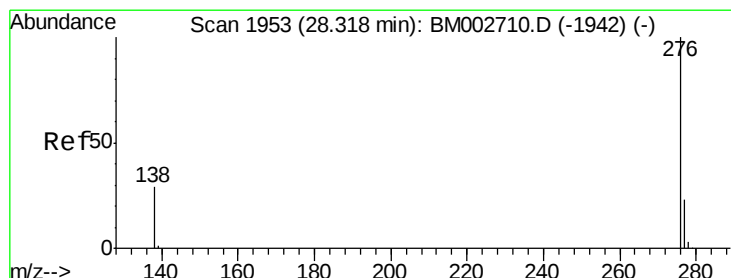
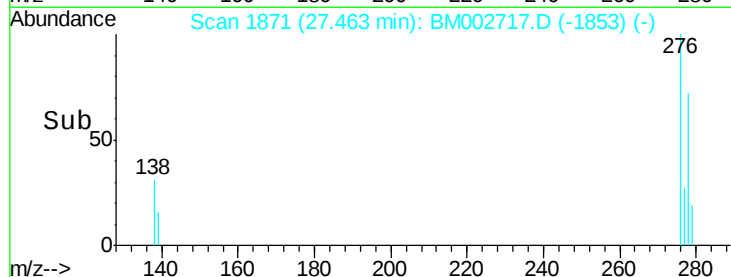
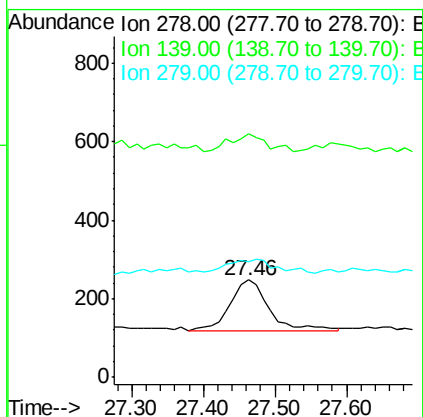
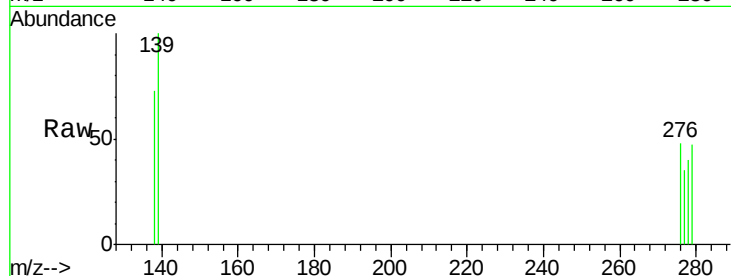




#27
Dibenzo(a,h)anthracene
Concen: 0.00 ng/ul
RT: 27.46 min Scan# 1871
Delta R.T. -0.01 min
Lab File: BM002717.D
Acq: 24 Sep 2015 18:16

Instrument :
BNA_M
ClientSampleId :
JHAF7MSD

Tot Ion:278 Resp: 477
Ion Ratio Lower Upper
278 100
139 250.0 21.7 32.5#
279 118.5 21.9 32.9#



#28
Benzo(g,h,i)perylene
Concen: 0.00 ng/ul
RT: 28.32 min Scan# 1953
Delta R.T. -0.00 min
Lab File: BM002717.D
Acq: 24 Sep 2015 18:16

Tgt Ion:276 Resp: 527
Ion Ratio Lower Upper
276 100
277 77.5 21.3 31.9#
138 181.0 25.5 38.3#

