

Data Path : Z:\HPCHEM1\BNA M\DATA\BM032516\
 Data File : BM004793.D
 Acq On : 26 Mar 2016 01:10
 Operator : UM/SJ
 Sample : H1909-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T40

Quant Time: Apr 05 19:43:43 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 05 18:29:16 2016
 Response via : Initial Calibration

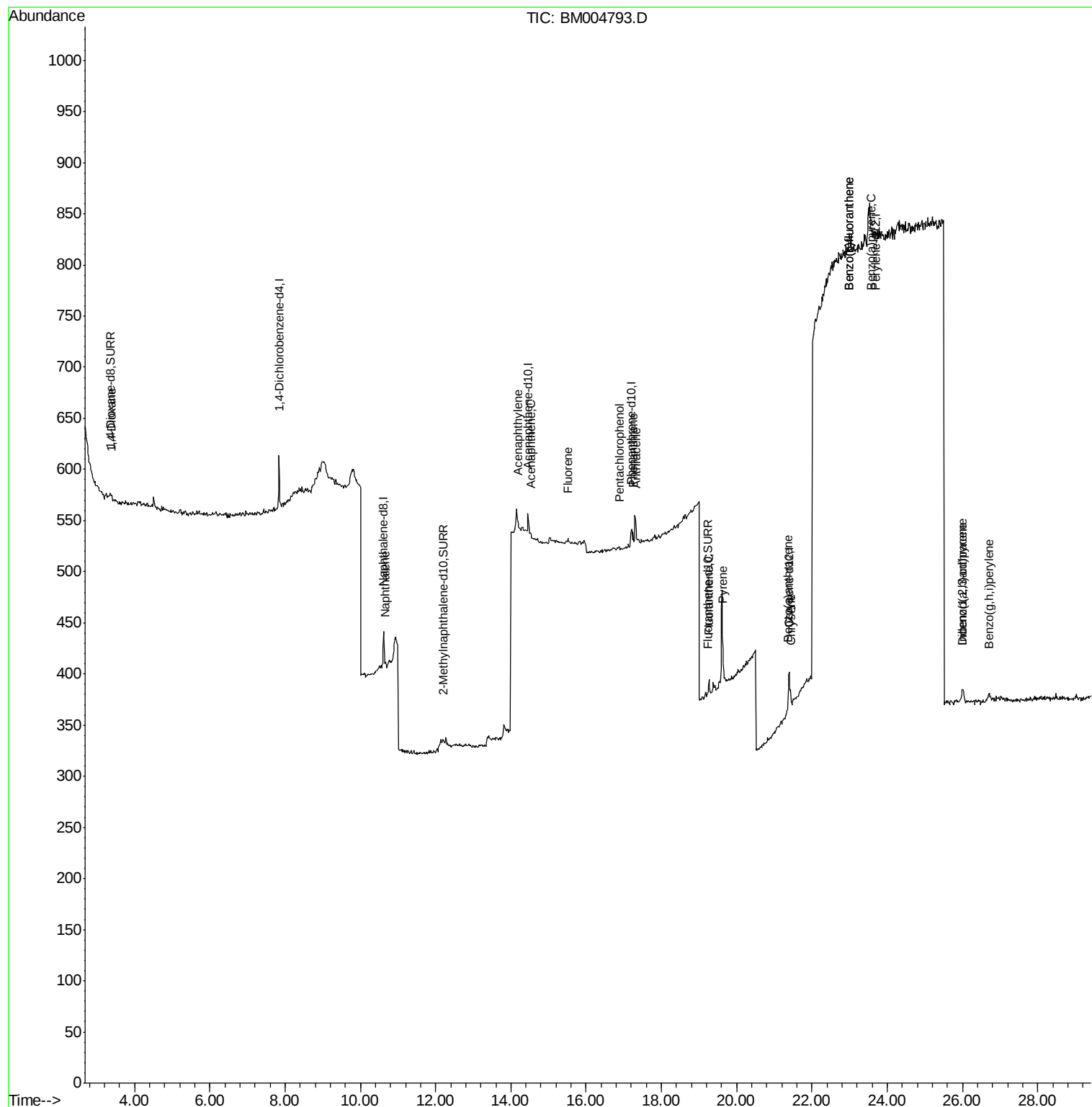
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	29	0.40	ng/ul	0.00
4) Naphthalene-d8	10.62	136	54	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	30	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	29	0.40	ng/ul	0.00
18) Chrysene-d12	21.40	240	61	0.40	ng/ul	0.00
22) Perylene-d12	23.69	264	14	0.40	ng/ul	0.00
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.35	96	9	0.69	ng/uL	0.03
6) 2-Methylnaphthalene-d10	12.19	152	37	0.49	ng/ul	-0.01
16) Fluoranthene-d10	19.23	212	5	0.07	ng/ul	-0.01
Target Compounds				Ovalue		
3) 1,4-Dioxane	3.38	88	11	0.69	ng/ul#	73
5) Naphthalene	10.67	128	7	0.05	ng/ul#	1
9) Acenaphthylene	14.18	152	25	0.18	ng/ul#	1
10) Acenaphthene	14.52	153	5	0.05	ng/ul#	64
11) Fluorene	15.51	166	14	0.12	ng/ul#	47
13) Pentachlorophenol	16.88	266	1	0.14	ng/ul#	30
14) Phenanthrene	17.24	178	19	0.23	ng/ul#	1
15) Anthracene	17.33	178	10	0.13	ng/ul#	1
17) Fluoranthene	19.27	202	21	0.23	ng/ul#	1
19) Pyrene	19.63	202	28	0.13	ng/ul#	1
20) Benzo(a)anthracene	21.38	228	18	0.10	ng/ul#	1
21) Chrysene	21.43	228	16	0.09	ng/ul#	1
23) Benzo(b)fluoranthene	22.99	252	54	1.14	ng/ul#	1
24) Benzo(k)fluoranthene	22.99	252	54	1.24	ng/ul#	1
25) Benzo(a)pyrene	23.58	252	16	0.37	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	25.99	276	24	0.60	ng/ul#	20
27) Dibenzo(a,h)anthracene	26.01	278	16	0.51	ng/ul#	1
28) Benzo(a,h,i)perylene	26.71	276	26	0.79	ng/ul#	1

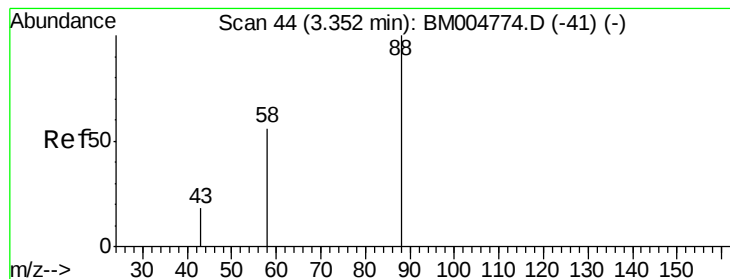
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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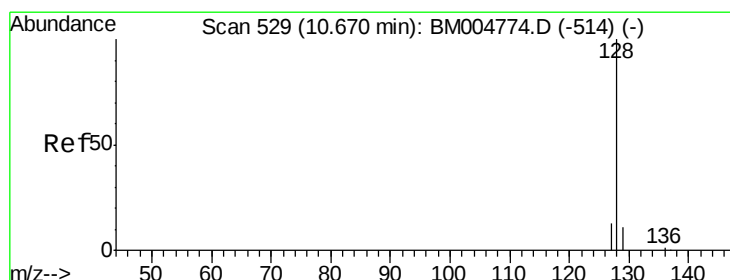
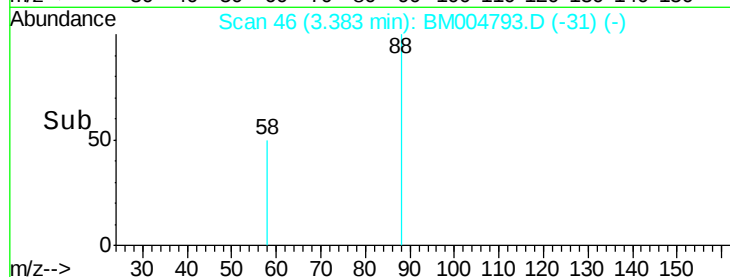
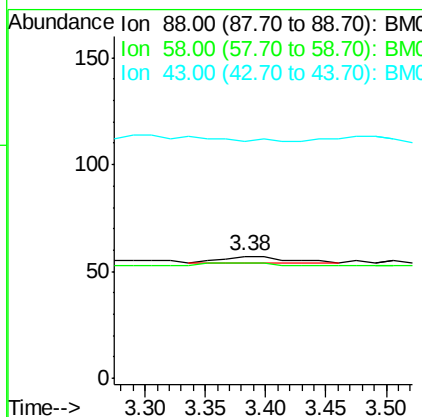
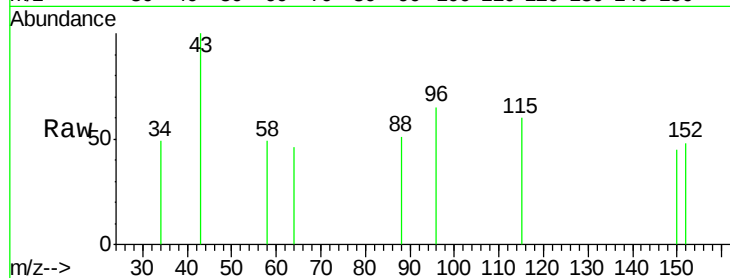




#3
1,4-Dioxane
Concen: 0.69 ng/ul
RT: 3.38 min Scan# 46
Delta R.T. 0.03 min
Lab File: BM004793.D
Acq: 26 Mar 2016 01:10

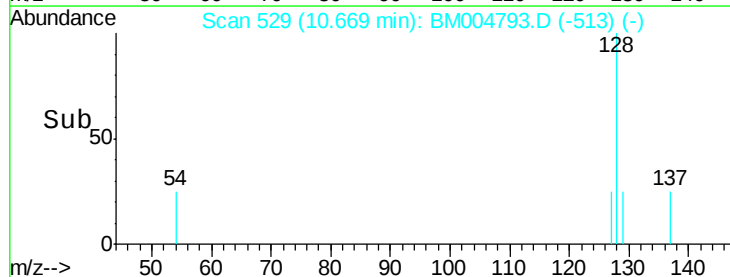
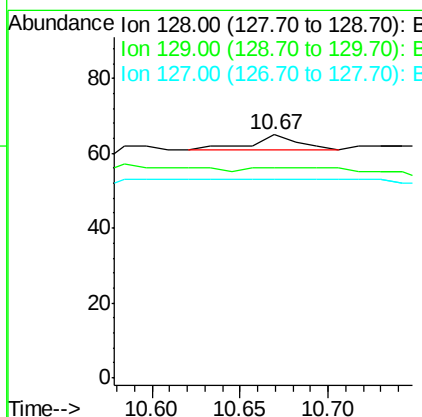
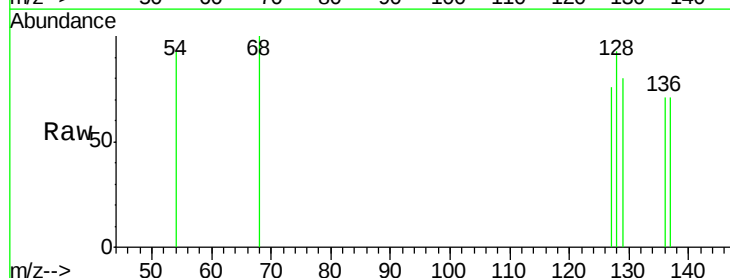
Instrument :
BNA_M
ClientSampleId :
A4T40

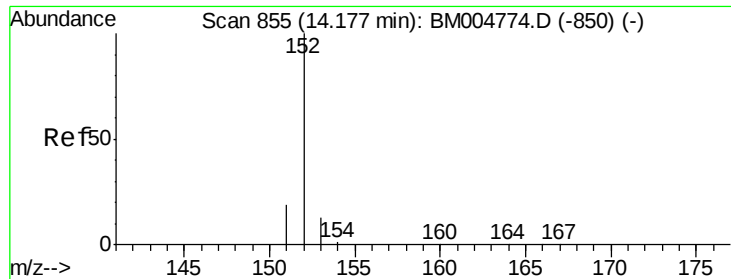
Tot Ion: 88 Resp: 11
Ion Ratio Lower Upper
88 100
58 0.0 8.0 12.0#
43 0.0 8.0 12.0#



#5
Naphthalene
Concen: 0.05 ng/ul
RT: 10.67 min Scan# 529
Delta R.T. -0.00 min
Lab File: BM004793.D
Acq: 26 Mar 2016 01:10

Tgt Ion: 128 Resp: 7
Ion Ratio Lower Upper
128 100
129 86.2 9.0 13.6#
127 81.5 9.6 14.4#





#9

Acenaphthylene

Concen: 0.18 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Instrument :

BNA_M

ClientSampleId :

A4T40

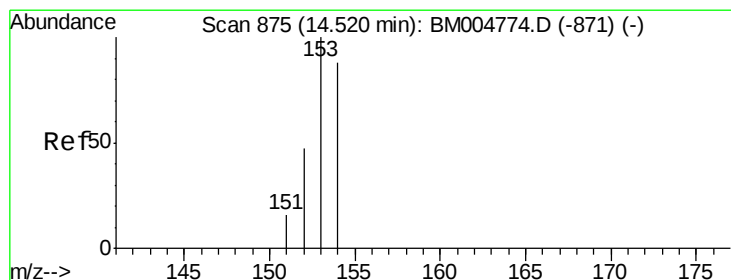
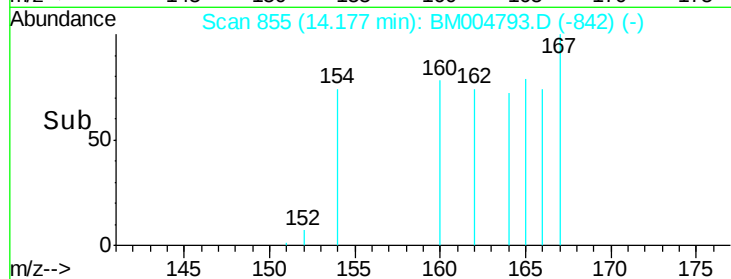
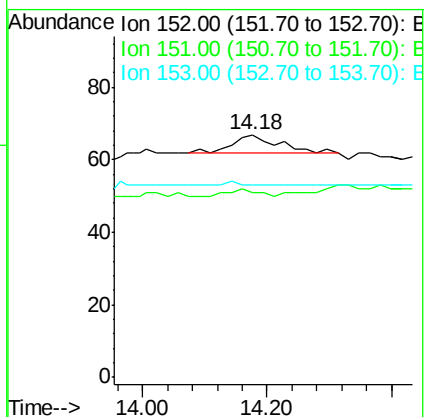
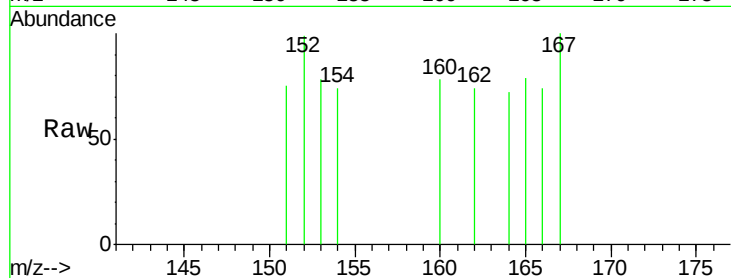
Tot Ion:152 Resp: 25

Ion Ratio Lower Upper

152 100

151 76.1 17.6 26.4#

153 79.1 9.7 14.5#



#10

Acenaphthene

Concen: 0.05 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

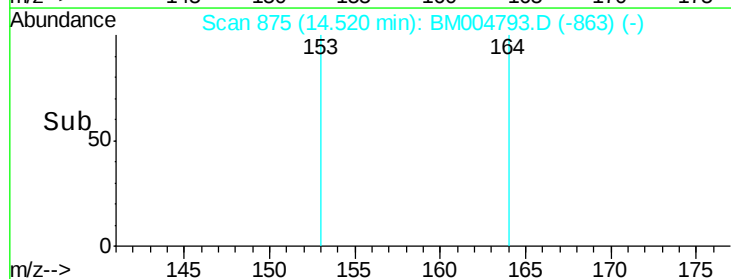
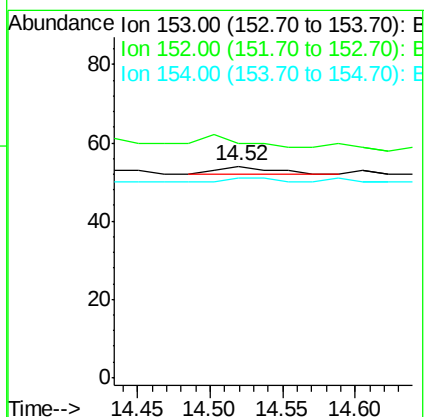
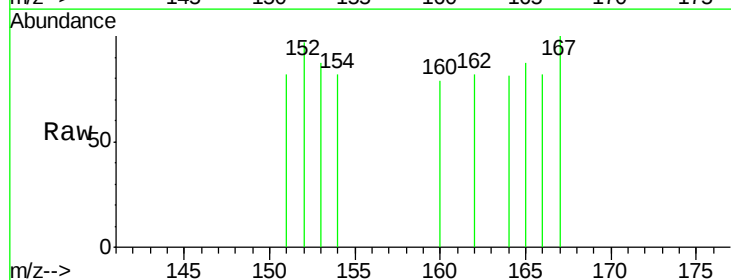
Tgt Ion:153 Resp: 5

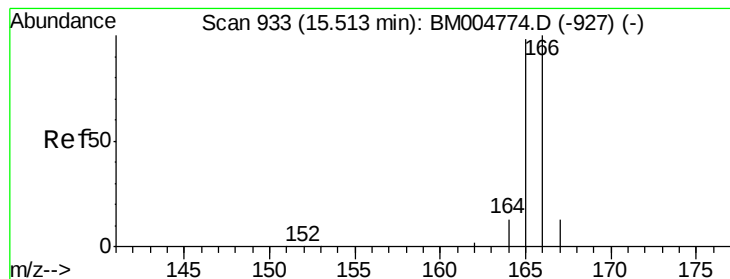
Ion Ratio Lower Upper

153 100

152 111.1 33.9 50.9#

154 94.4 80.6 121.0





#11

Fluorene

Concen: 0.12 ng/ul

RT: 15.51 min Scan# 933

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Instrument :

BNA_M

ClientSampleId :

A4T40

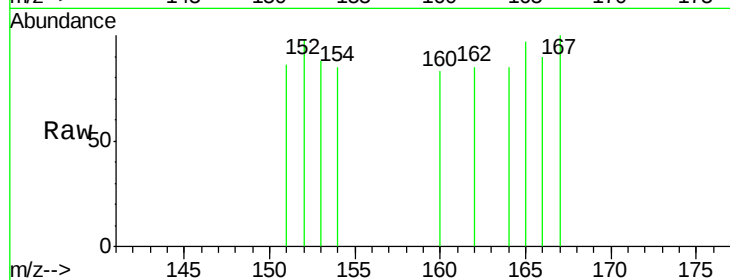
Tot Ion:166 Resp: 14

Ion Ratio Lower Upper

166 100

165 107.5 69.6 104.4#

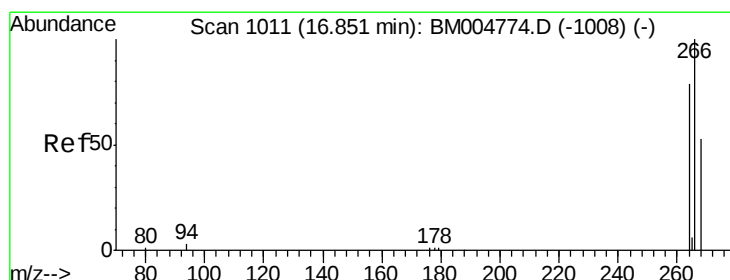
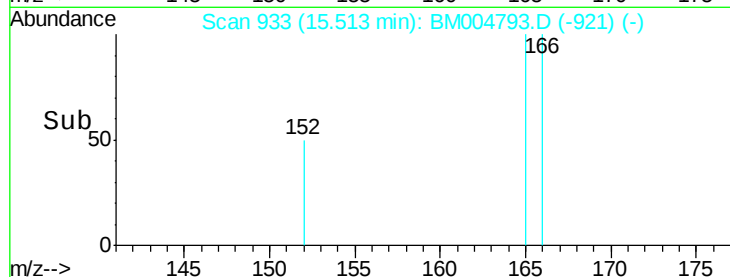
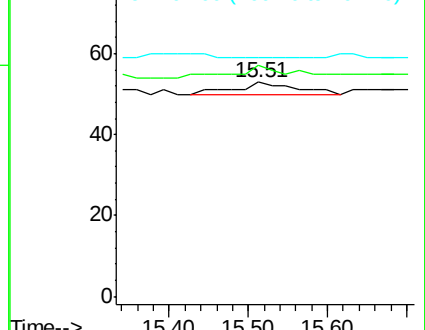
167 111.3 11.9 17.9#



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: 0.14 ng/ul

RT: 16.88 min Scan# 1013

Delta R.T. 0.03 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

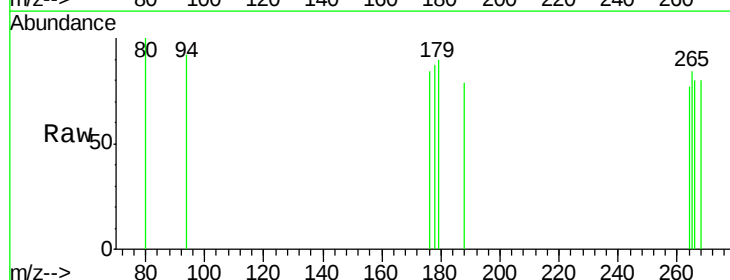
Tgt Ion:266 Resp: 1

Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

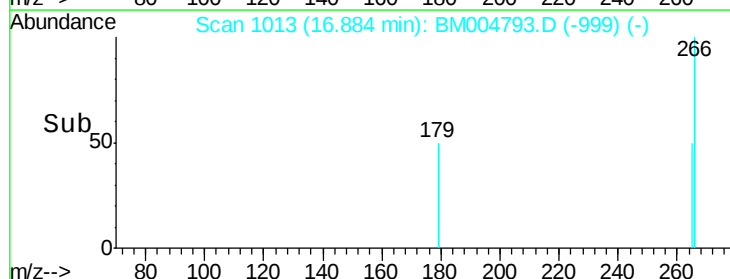
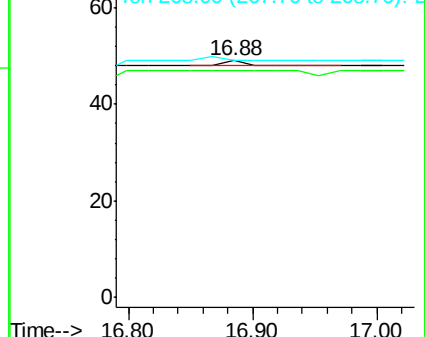
268 100.0 46.8 70.2#

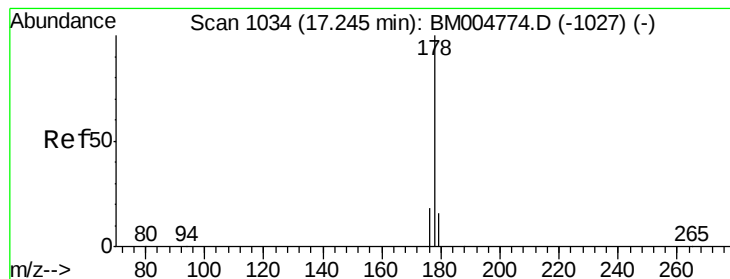


Abundance Ion 266.00 (265.70 to 266.70): E

Ion 264.00 (263.70 to 264.70): E

Ion 268.00 (267.70 to 268.70): E





#14

Phenanthrene

Concen: 0.23 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Instrument :

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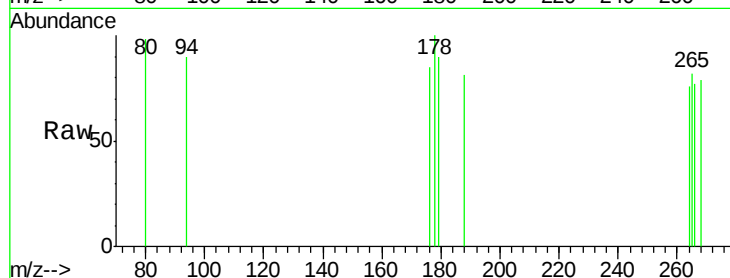
Tot Ion:178 Resp: 19

Ion Ratio Lower Upper

178 100

176 85.5 13.0 19.4#

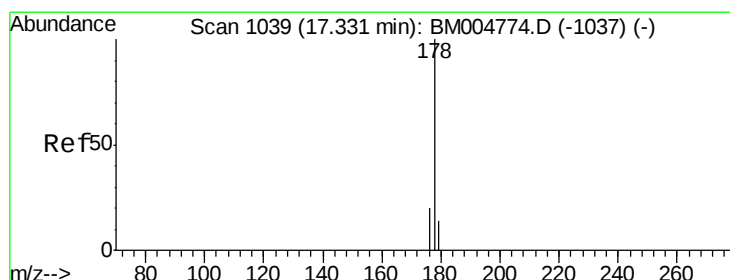
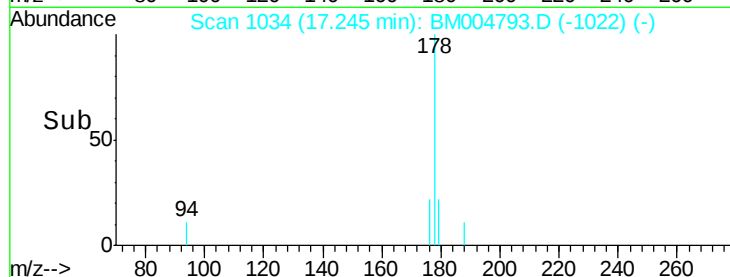
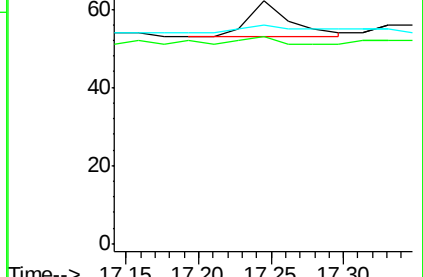
179 90.3 14.2 21.2#



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: 0.13 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

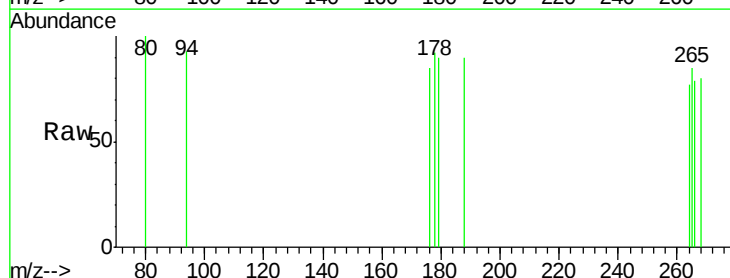
Tgt Ion:178 Resp: 10

Ion Ratio Lower Upper

178 100

176 92.9 14.0 21.0#

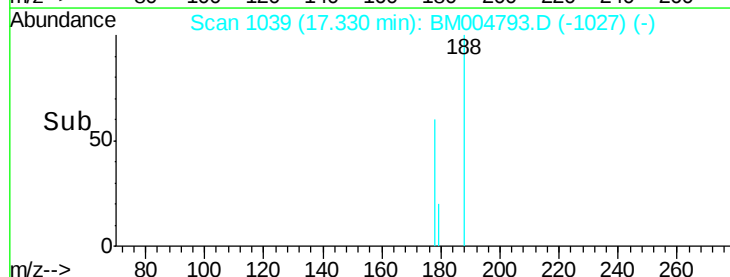
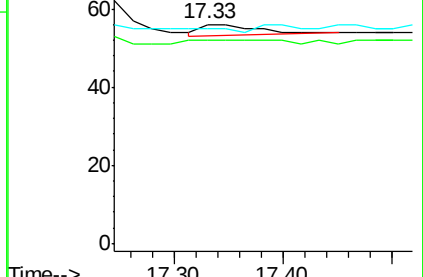
179 98.2 12.9 19.3#

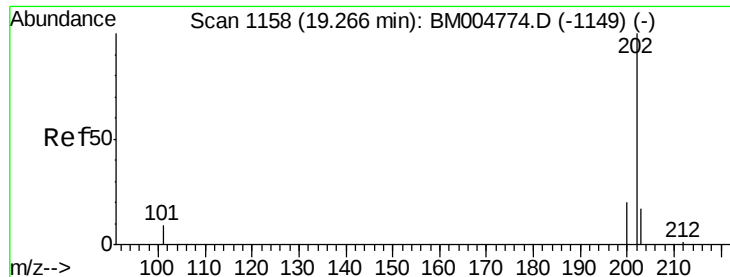


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.23 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

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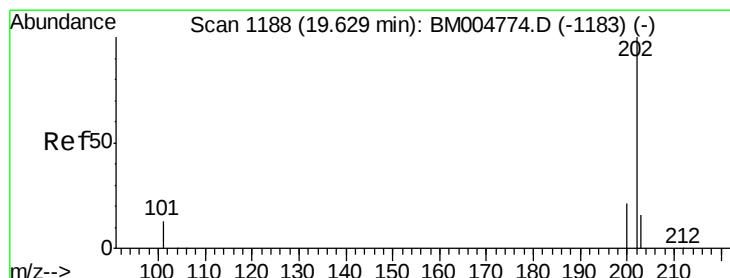
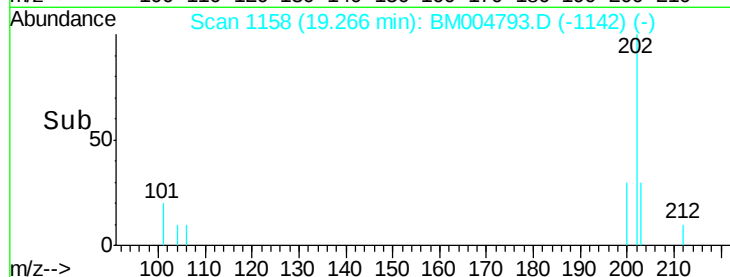
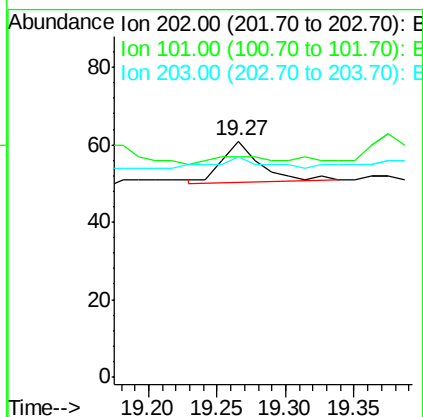
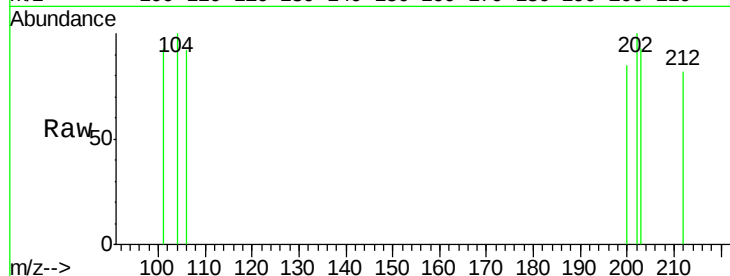
Tot Ion:202 Resp: 21

Ion Ratio Lower Upper

202 100

101 93.4 0.0 29.6#

203 93.4 0.0 36.3#



#19

Pyrene

Concen: 0.13 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

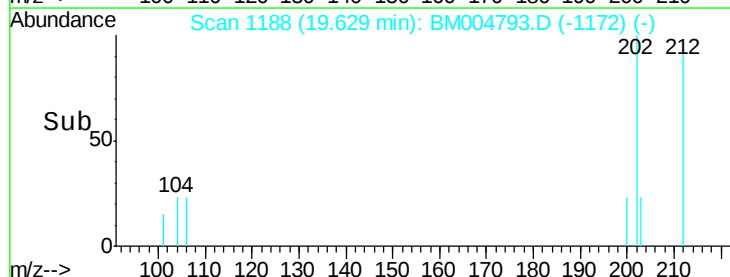
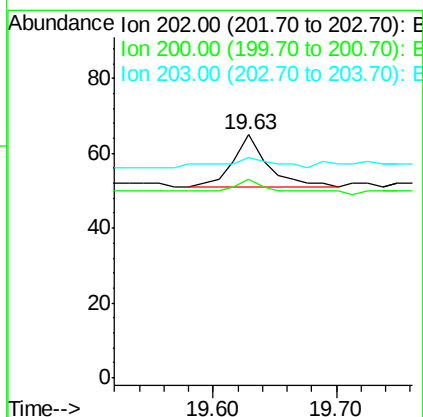
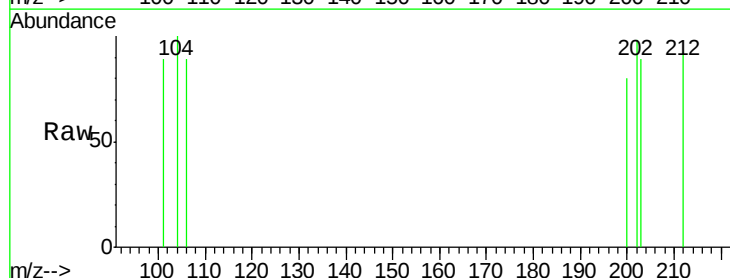
Tgt Ion:202 Resp: 28

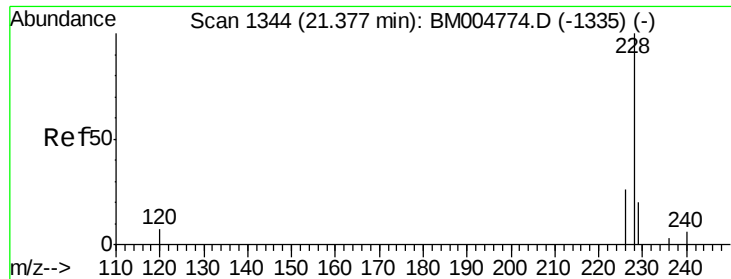
Ion Ratio Lower Upper

202 100

200 81.5 17.8 26.8#

203 90.8 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.10 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

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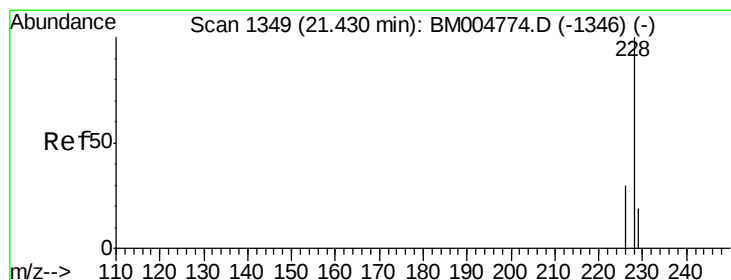
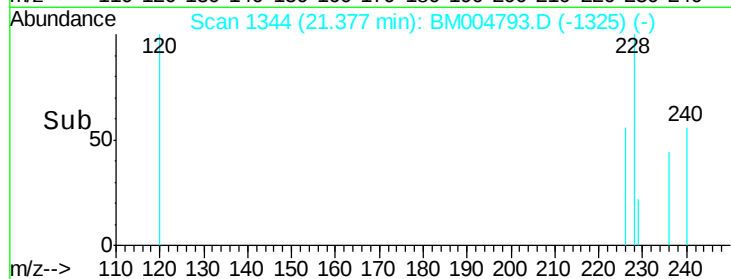
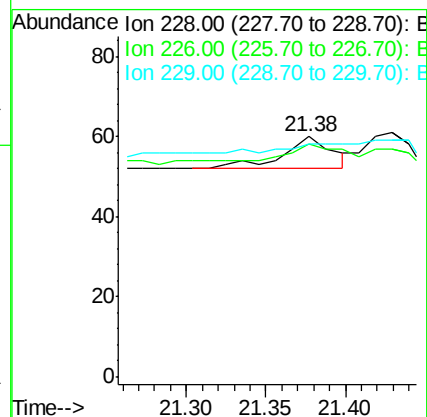
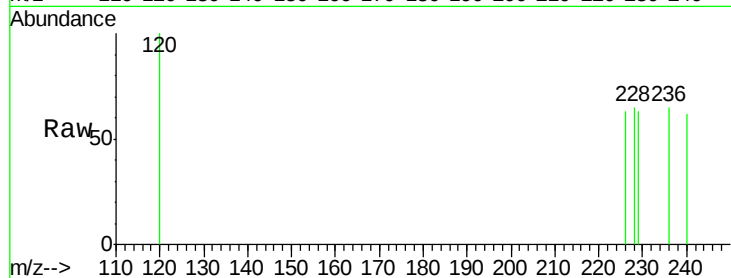
Tot Ion:228 Resp: 18

Ion Ratio Lower Upper

228 100

226 96.7 18.8 28.2#

229 96.7 17.1 25.7#



#21

Chrysene

Concen: 0.09 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. -0.00 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

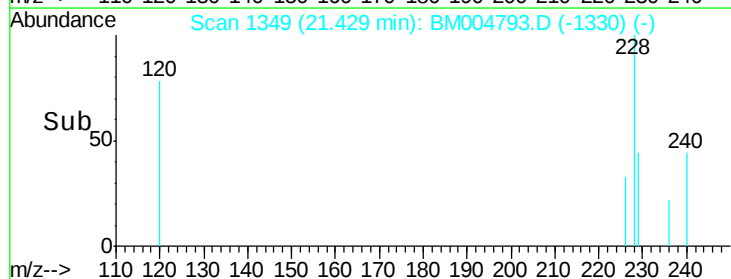
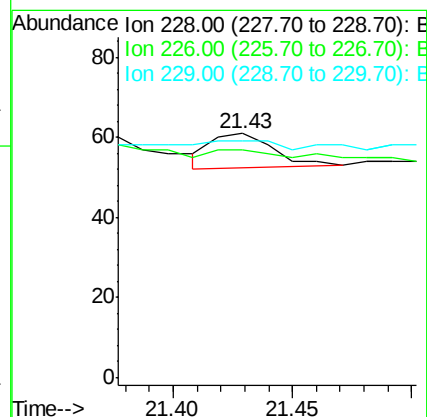
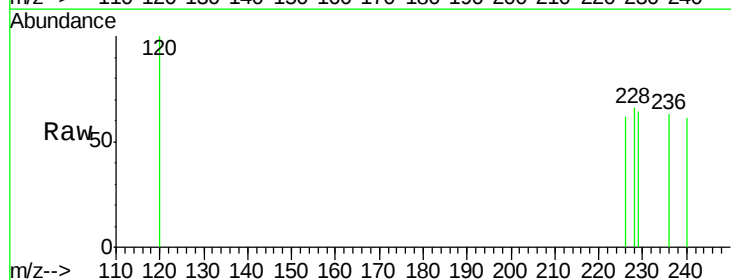
Tgt Ion:228 Resp: 16

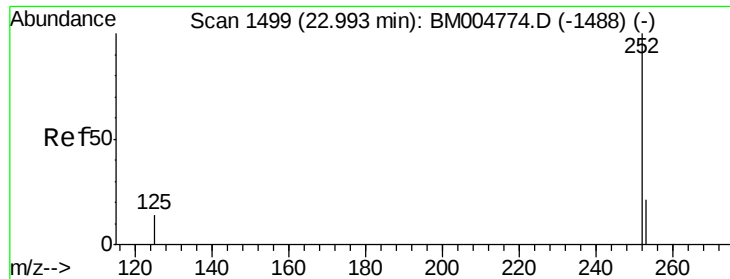
Ion Ratio Lower Upper

228 100

226 93.4 21.2 31.8#

229 96.7 17.0 25.6#





#23

Benzo(b)fluoranthene

Concen: 1.14 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.00 min

Lab File: BM004793.D

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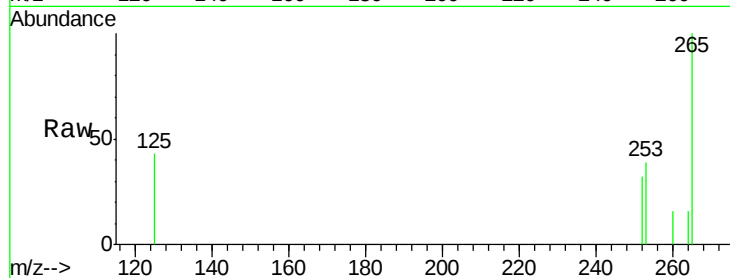
Tot Ion:252 Resp: 54

Ion Ratio Lower Upper

252 100

253 123.4 0.0 45.4#

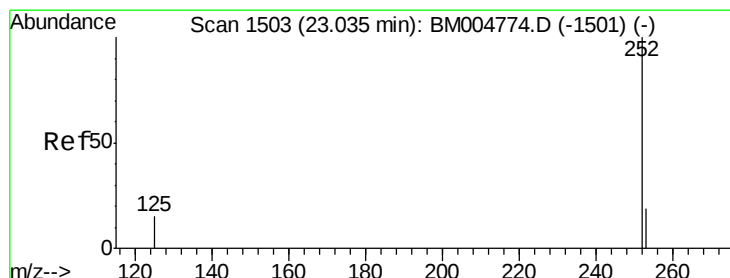
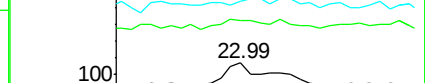
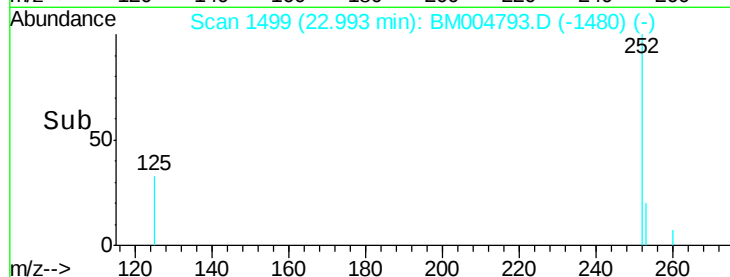
125 134.6 0.0 28.8#



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: 1.24 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.04 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

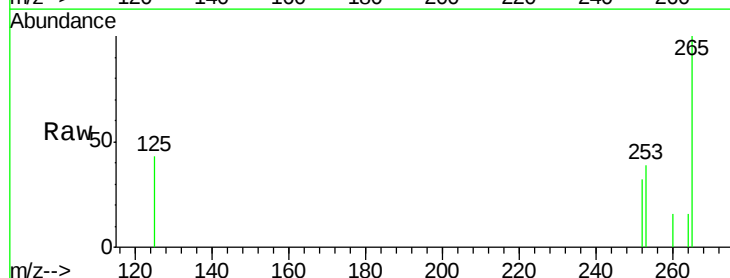
Tgt Ion:252 Resp: 54

Ion Ratio Lower Upper

252 100

253 123.4 19.8 29.8#

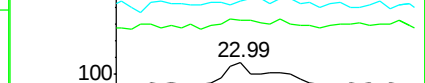
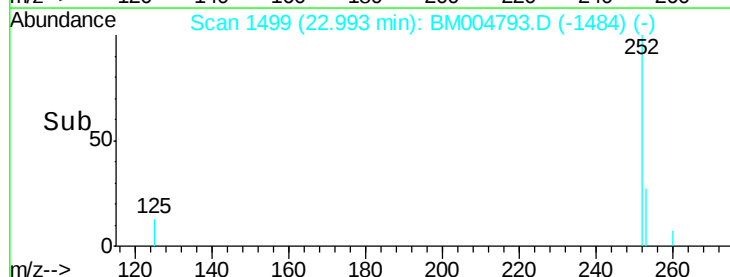
125 134.6 10.4 15.6#

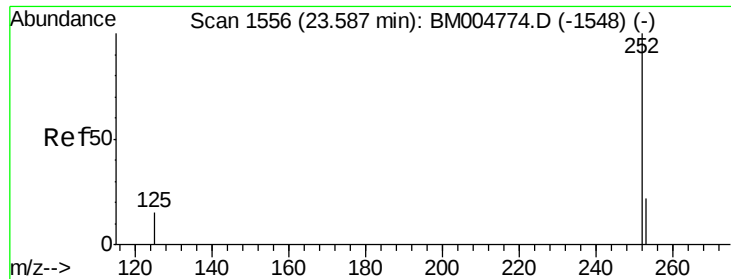


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.37 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. -0.01 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Instrument :

BNA_M

ClientSampleId :

A4T40

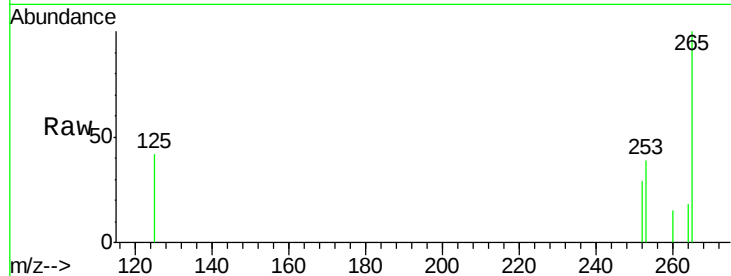
Tot Ion:252 Resp: 16

Ion Ratio Lower Upper

252 100

253 137.8 19.4 29.2#

125 146.9 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

200

150

100

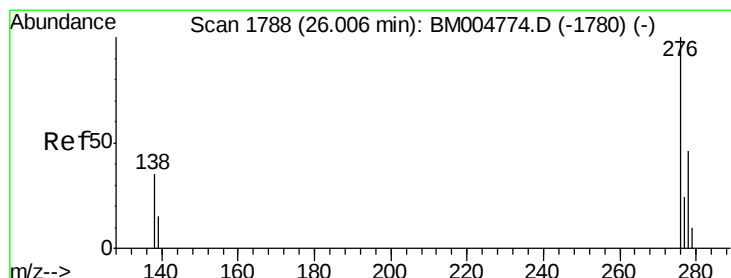
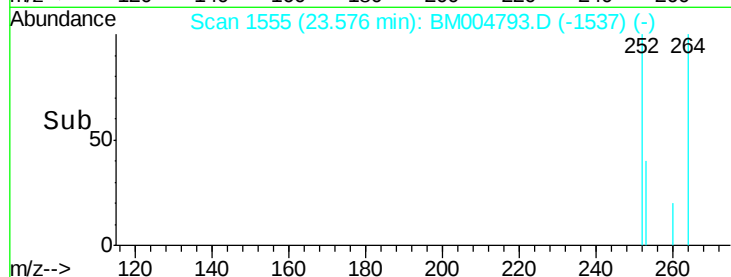
50

0

23.50

23.60

Time-->



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.60 ng/ul

RT: 25.99 min Scan# 1787

Delta R.T. -0.01 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

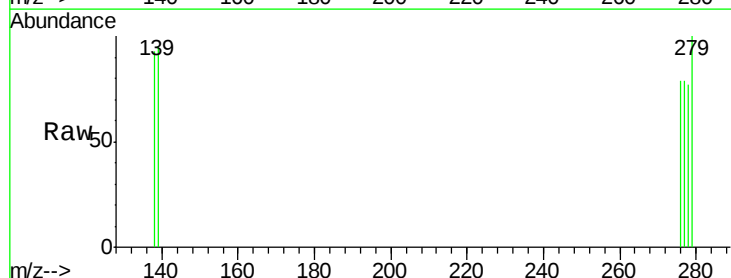
Tgt Ion:276 Resp: 24

Ion Ratio Lower Upper

276 100

138 75.0 16.3 24.5#

277 0.0 19.8 29.8#



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

80

60

40

20

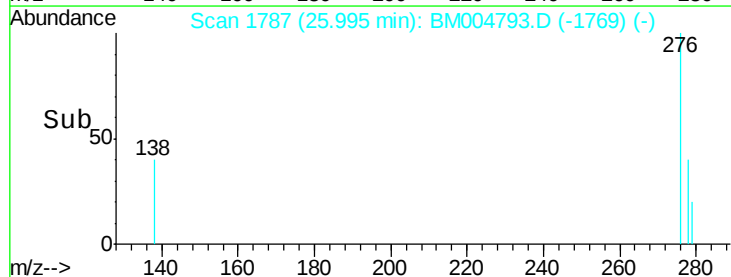
0

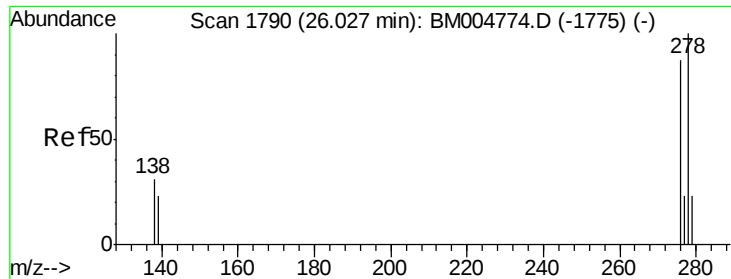
25.90

26.00

26.10

Time-->





#27

Dibenzo(a,h)anthracene

Concen: 0.51 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. -0.02 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Instrument :

BNA_M

ClientSampleId :

A4T40

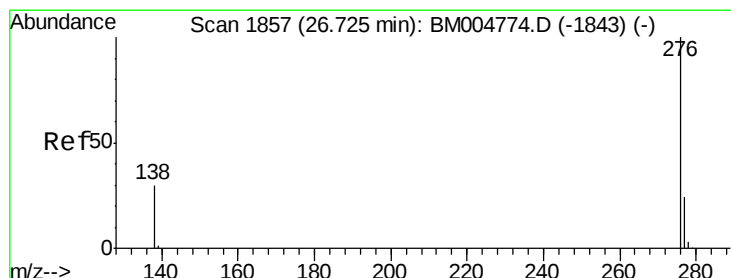
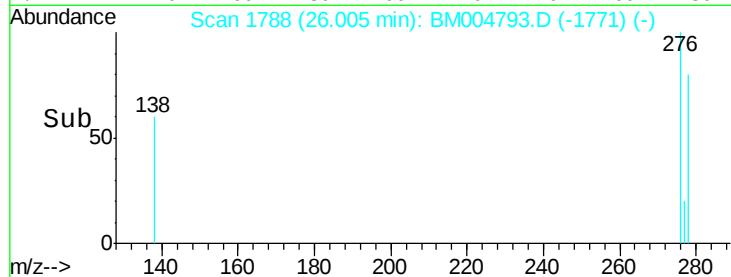
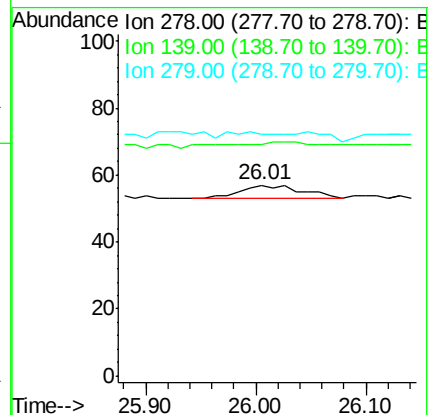
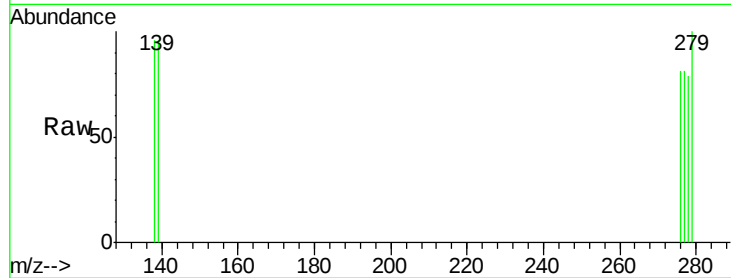
Tot Ion:278 Resp: 16

Ion Ratio Lower Upper

278 100

139 121.1 16.4 24.6#

279 126.3 20.2 30.2#



#28

Benzo(g,h,i)perylene

Concen: 0.79 ng/ul

RT: 26.71 min Scan# 1856

Delta R.T. -0.01 min

Lab File: BM004793.D

Acq: 26 Mar 2016 01:10

Tgt Ion:276 Resp: 26

Ion Ratio Lower Upper

276 100

277 100.0 18.9 28.3#

138 117.2 22.5 33.7#

