

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
 Data File : BM004798.D
 Acq On : 26 Mar 2016 04:10
 Operator : UM/SJ
 Sample : H1909-17
 Misc :
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T51

Quant Time: Mar 26 05:41:04 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 26 05:39:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	1256	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6029	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	3783	5.00	ng/ul	-0.02
12) Phenanthrene-d10	17.30	188	300510	5.00	ng/ul	0.09
18) Chrysene-d12	21.39	240	7496	5.00	ng/ul	0.00
22) Perylene-d12	23.54	264	278833	5.00	ng/ul	-0.14

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	3590	6.34	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.21	152	1733	0.21	ng/ul	0.00
16) Fluoranthene-d10	19.34	212	1960	0.00	ng/ul	0.11

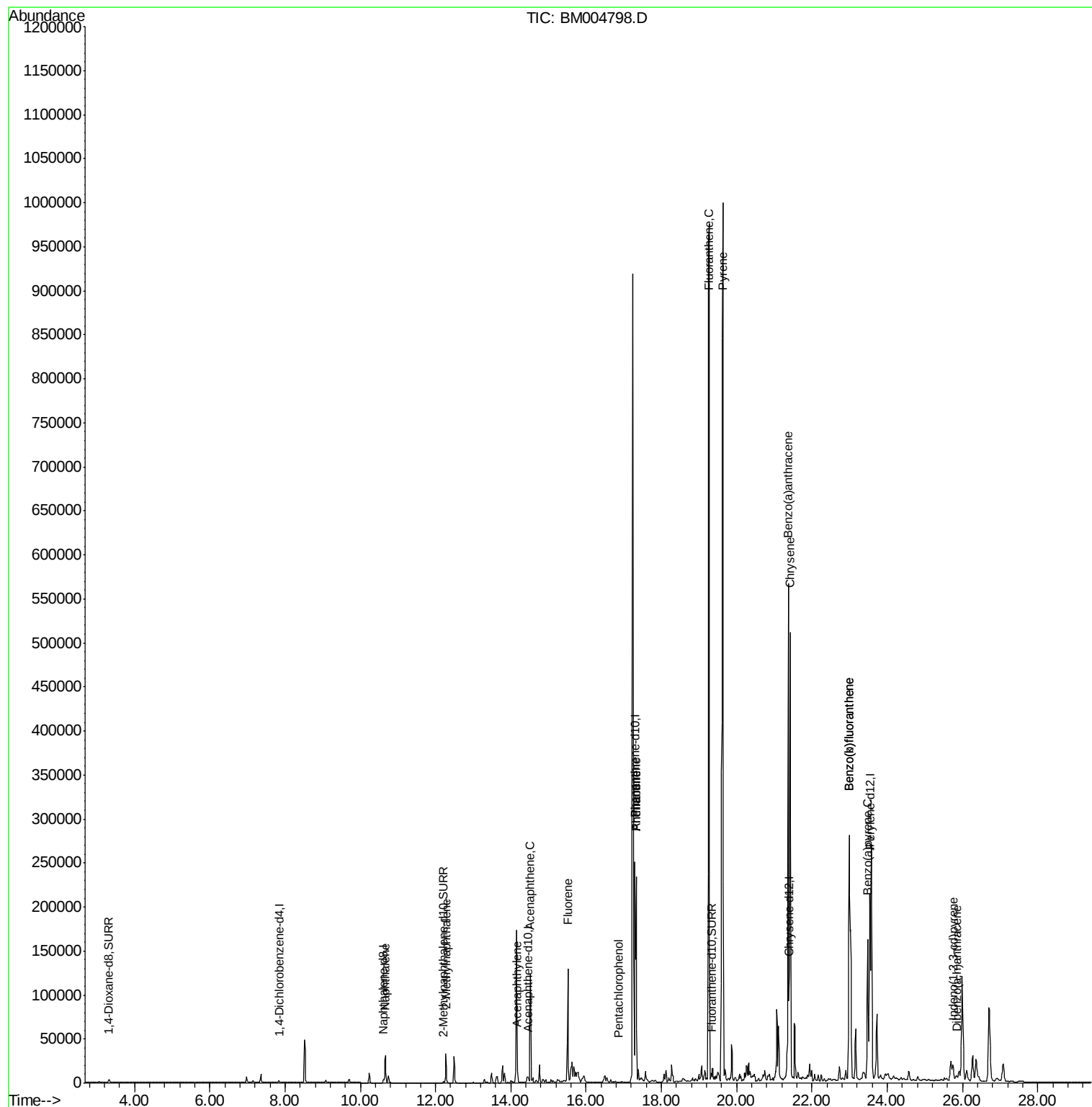
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	46220	3.17	ng/ul	99
7) 2-Methylnaphthalene	12.28	142	24499	2.35	ng/ul	99
9) Acenaphthylene	14.18	152	10580	0.61	ng/ul#	88
10) Acenaphthene	14.52	153	77673	6.31	ng/ul	93
11) Fluorene	15.51	166	85921	5.85	ng/ul	94
13) Pentachlorophenol	16.87	266	98	0.00	ng/ul	91
14) Phenanthrene	17.33	178	257033	0.30	ng/ul	94
15) Anthracene	17.33	178	254363	0.32	ng/ul	97
17) Fluoranthene	19.27	202	1114599	1.16	ng/ul	93
19) Pyrene	19.63	202	1060981	41.33	ng/ul	94
20) Benzo(a)anthracene	21.37	228	532145	23.09	ng/ul#	94
21) Chrysene	21.42	228	493862	22.19	ng/ul	94
23) Benzo(b)fluoranthene	22.99	252	349037	0.37	ng/ul	99
24) Benzo(k)fluoranthene	22.99	252	657686	0.76	ng/ul	95
25) Benzo(a)pyrene	23.49	252	239613	0.28	ng/ul	96
26) Indeno(1,2,3-cd)pyrene	25.75	276	26009	0.03	ng/ul	97
27) Dibenzo(a,h)anthracene	25.85	278	3569	0.01	ng/ul#	55

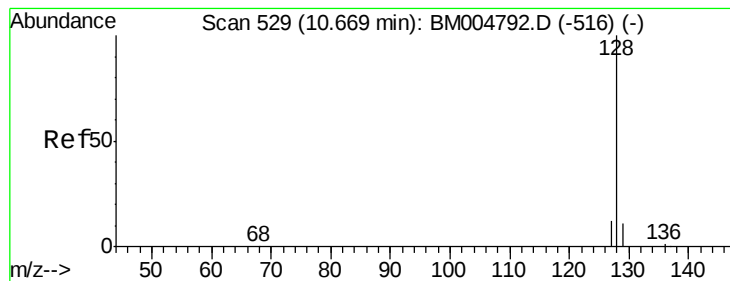
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 3.17 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

ClientSampleId :

A4T51

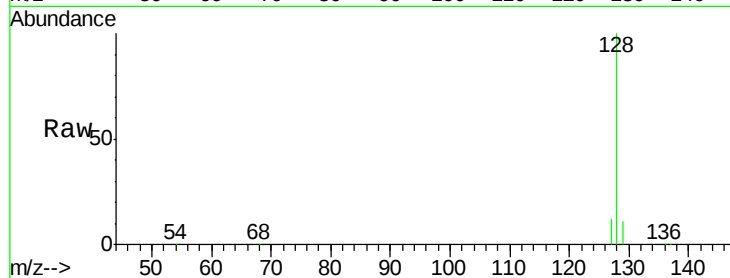
Tgt Ion:128 Resp: 46220

Ion Ratio Lower Upper

128 100

129 11.5 9.0 13.6

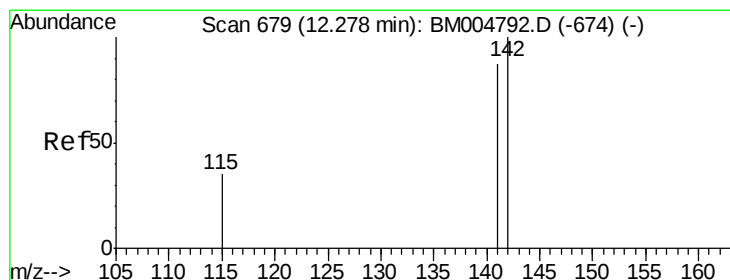
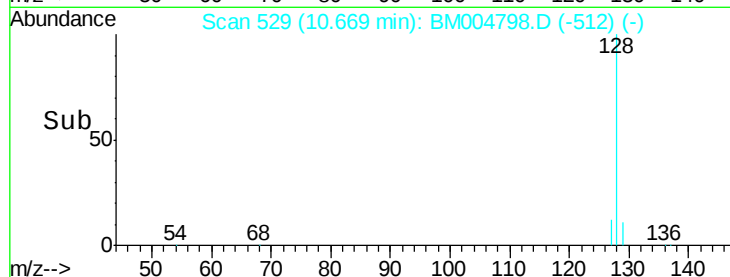
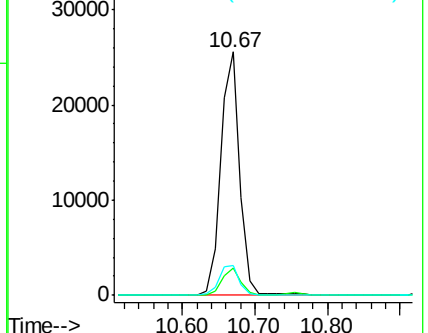
127 12.3 9.6 14.4



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: 2.35 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BM004798.D

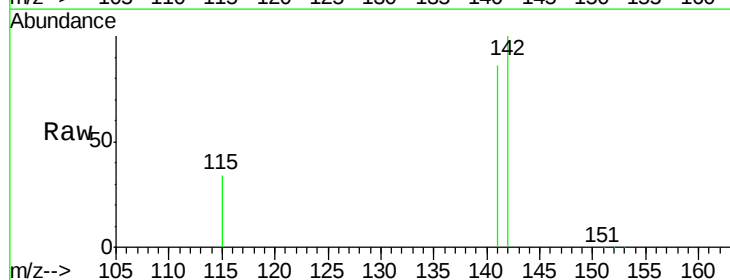
Acq: 26 Mar 2016 04:10

Tgt Ion:142 Resp: 24499

Ion Ratio Lower Upper

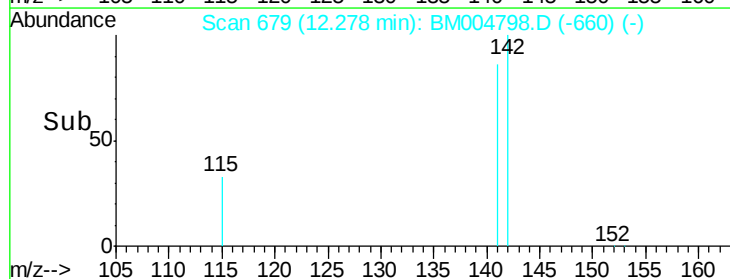
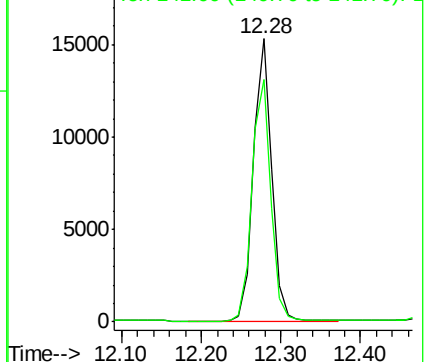
142 100

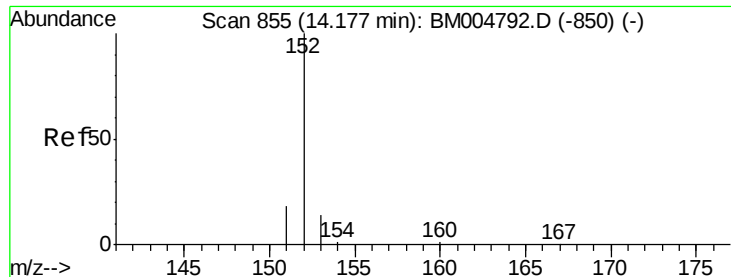
141 88.5 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.61 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

ClientSampleId :

A4T51

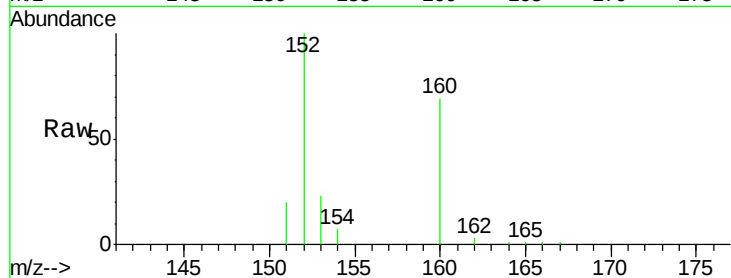
Tgt Ion:152 Resp: 10580

Ion Ratio Lower Upper

152 100

151 19.9 17.6 26.4

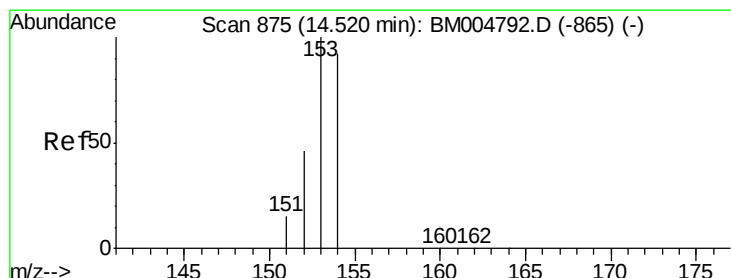
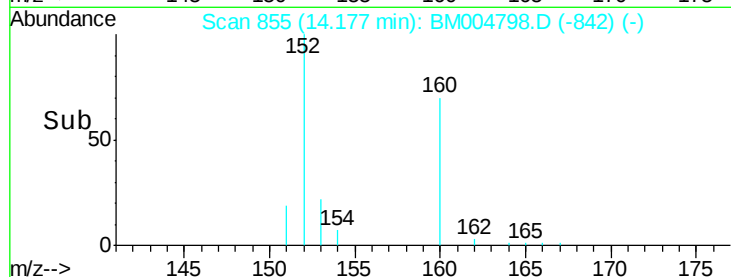
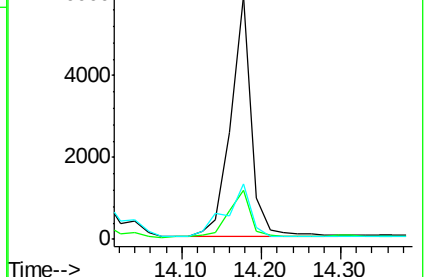
153 22.5 9.7 14.5#



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: 6.31 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

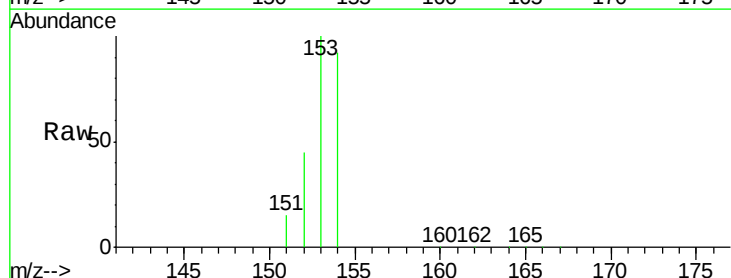
Tgt Ion:153 Resp: 77673

Ion Ratio Lower Upper

153 100

152 45.2 33.9 50.9

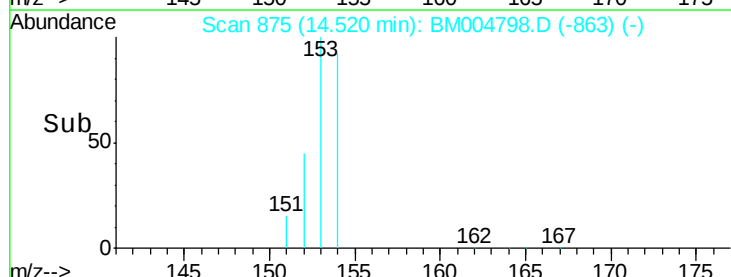
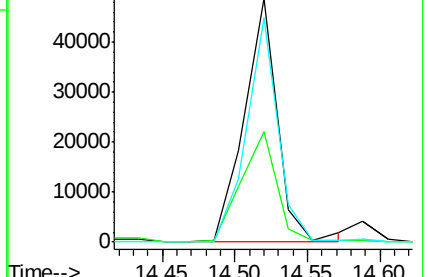
154 92.1 80.6 121.0

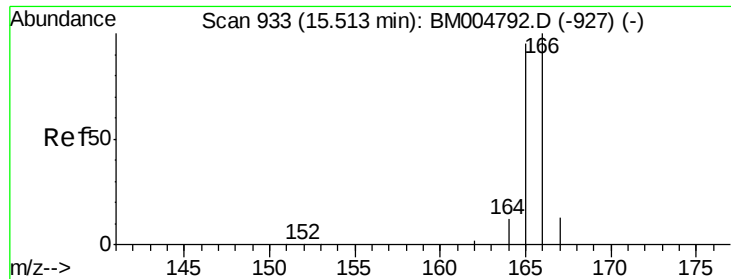


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

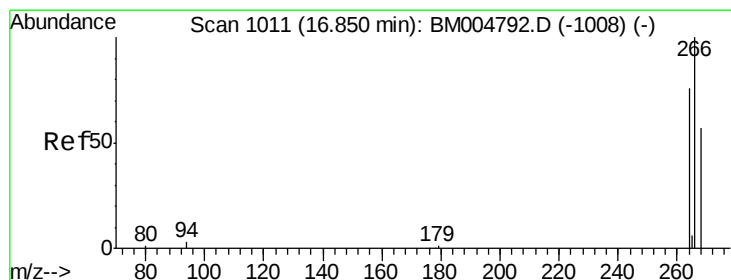
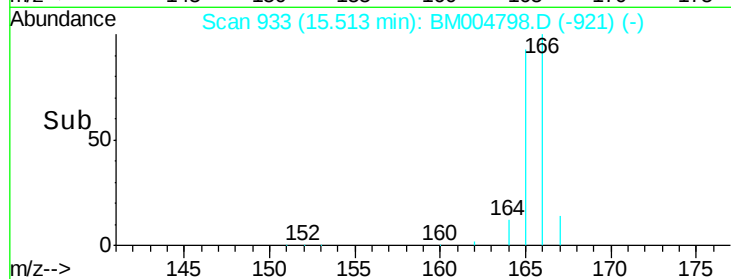
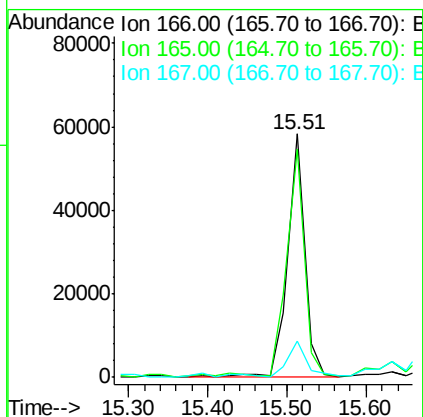
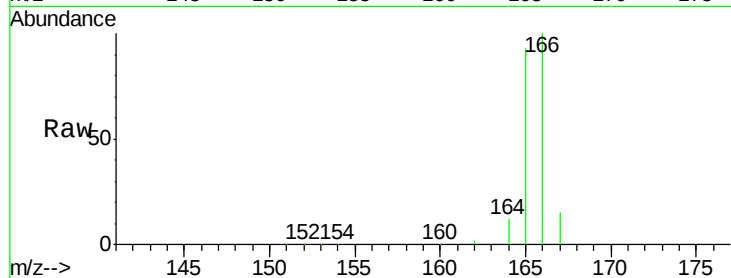




#11
 Fluorene
 Concen: 5.85 ng/ul
 RT: 15.51 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: BM004798.D
 Acq: 26 Mar 2016 04:10

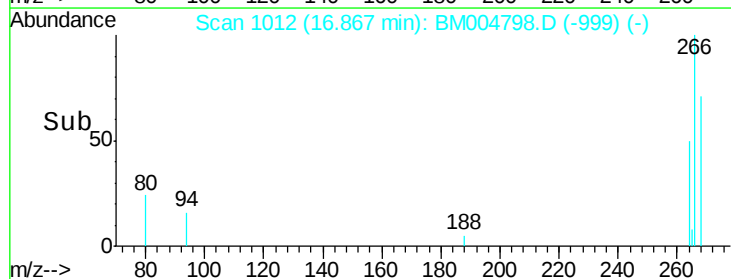
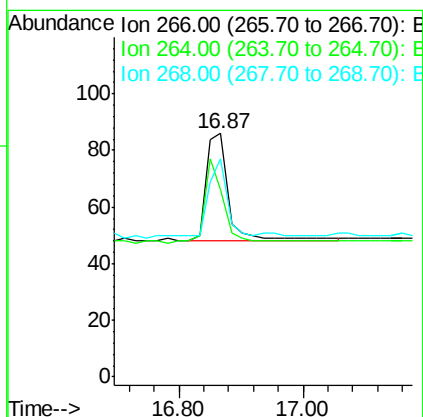
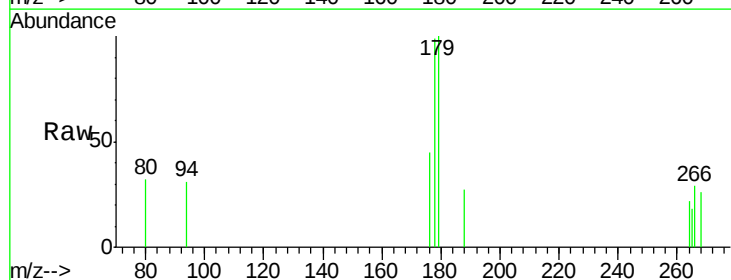
Instrument :
 BNA_M
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 A4T51

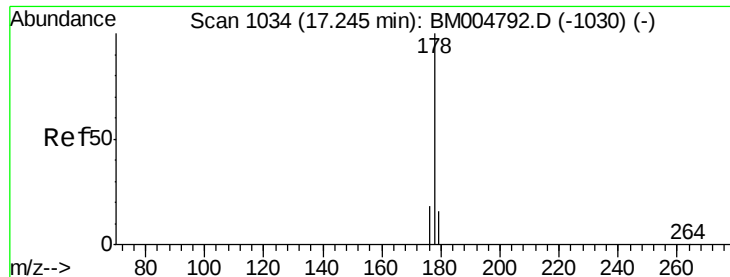
Tgt Ion:166 Resp: 85921
 Ion Ratio Lower Upper
 166 100
 165 93.5 69.6 104.4
 167 14.7 11.9 17.9



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.02 min
 Lab File: BM004798.D
 Acq: 26 Mar 2016 04:10

Tgt Ion:266 Resp: 98
 Ion Ratio Lower Upper
 266 100
 264 72.4 51.8 77.8
 268 53.1 46.8 70.2





#14

Phenanthrene

Concen: 0.30 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.09 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

ClientSampleId :

A4T51

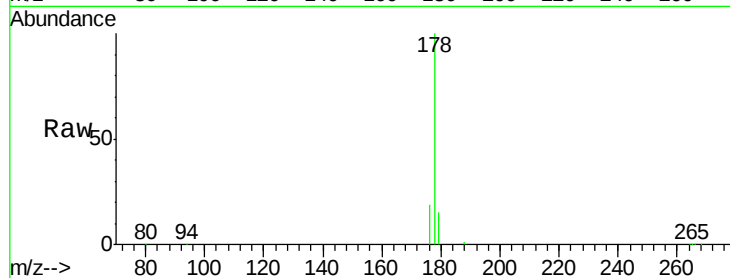
Tgt Ion:178 Resp: 257033

Ion Ratio Lower Upper

178 100

176 19.0 13.0 19.4

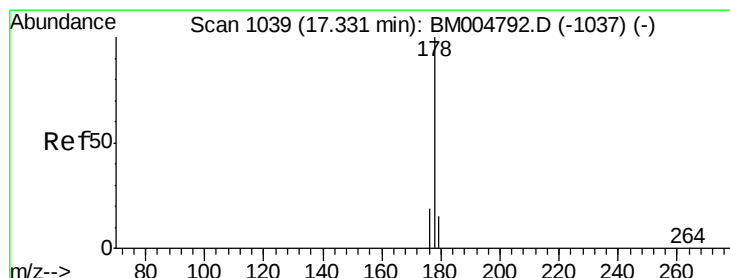
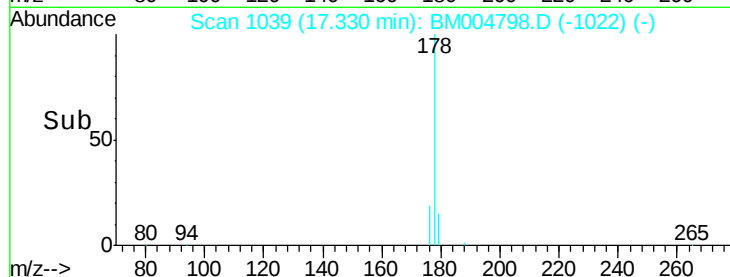
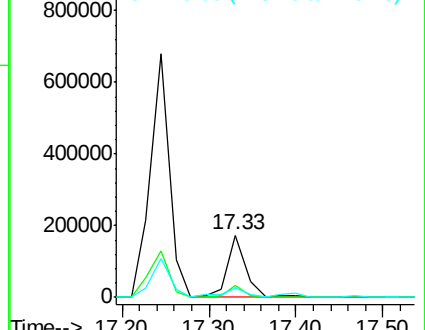
179 15.1 14.2 21.2



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: 0.32 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

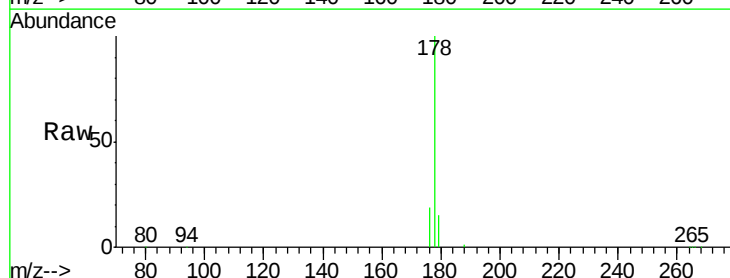
Tgt Ion:178 Resp: 254363

Ion Ratio Lower Upper

178 100

176 19.0 14.0 21.0

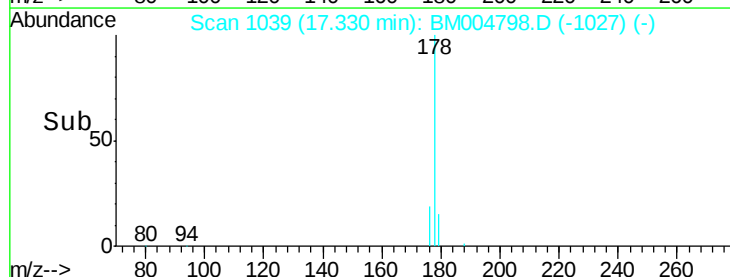
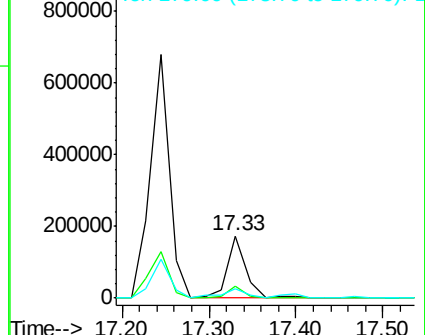
179 15.1 12.9 19.3

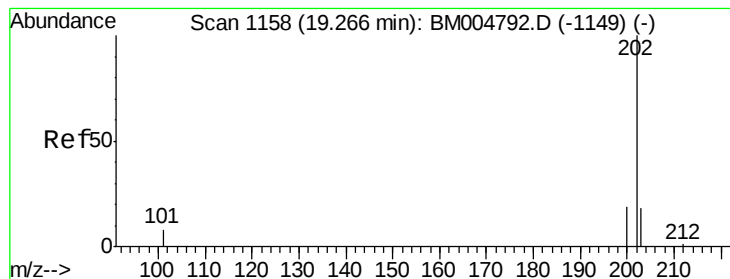


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 1.16 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

ClientSampleId :

A4T51

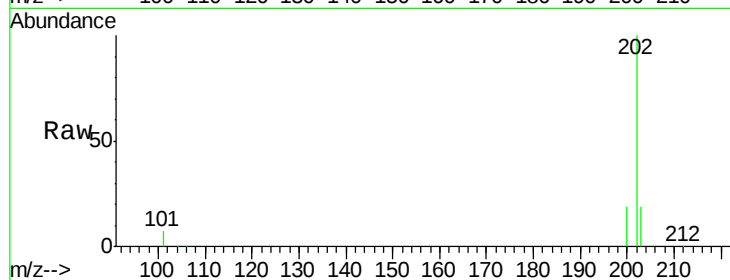
Tgt Ion:202 Resp: 1114599

Ion Ratio Lower Upper

202 100

101 6.9 0.0 29.6

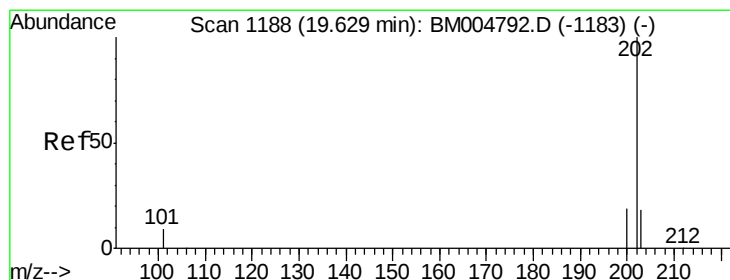
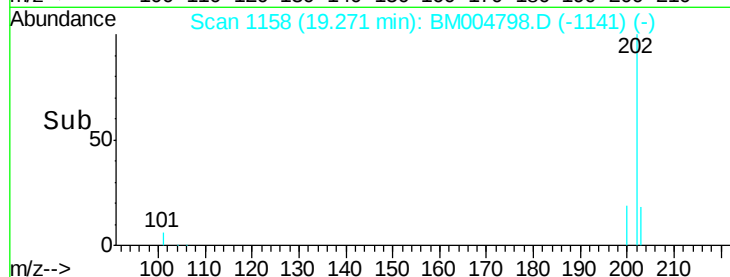
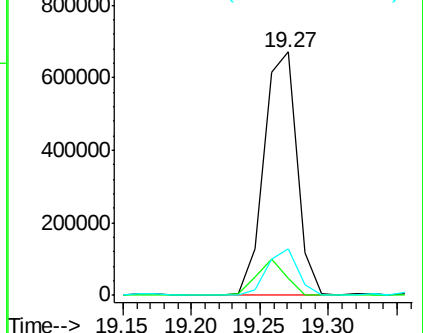
203 19.0 0.0 36.3



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: 41.33 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

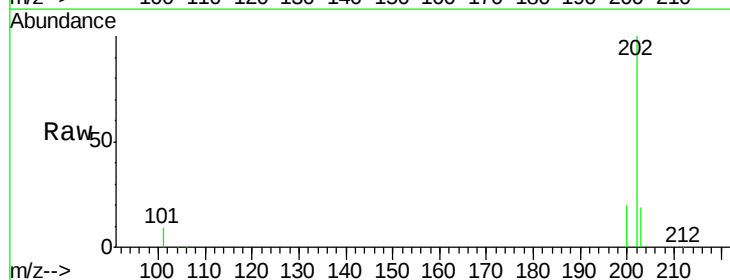
Tgt Ion:202 Resp: 1060981

Ion Ratio Lower Upper

202 100

200 20.0 17.8 26.8

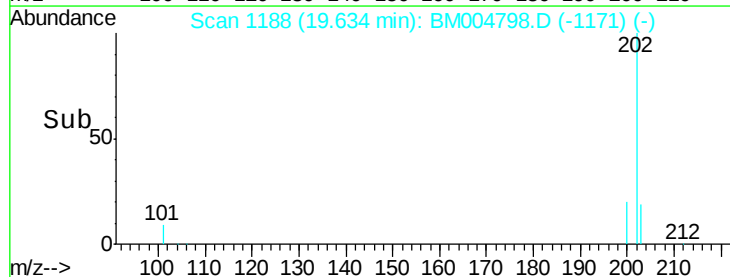
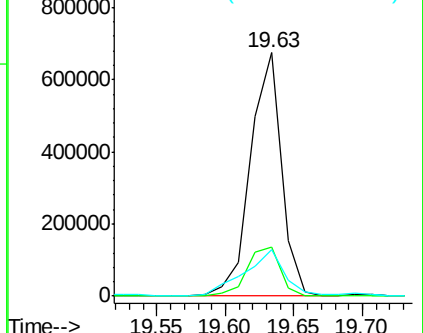
203 19.0 12.8 19.2

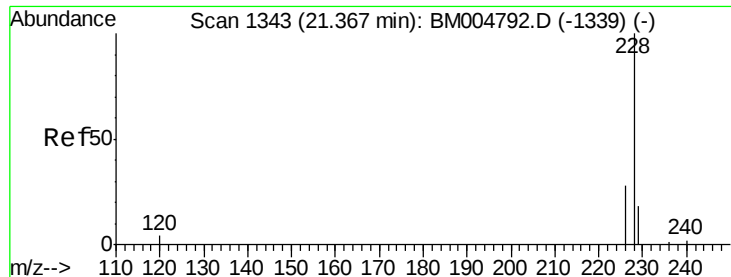


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 23.09 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

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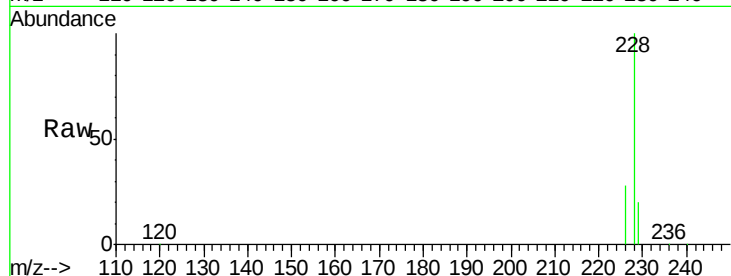
Tgt Ion:228 Resp: 532145

Ion Ratio Lower Upper

228 100

226 28.2 18.8 28.2#

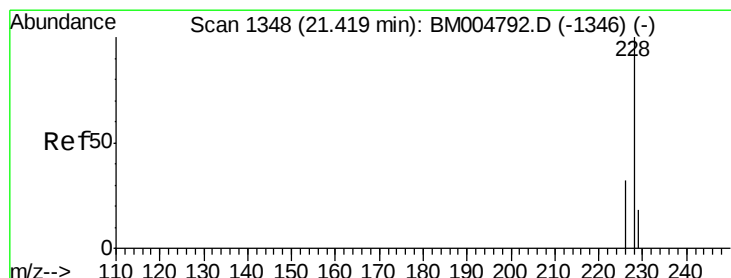
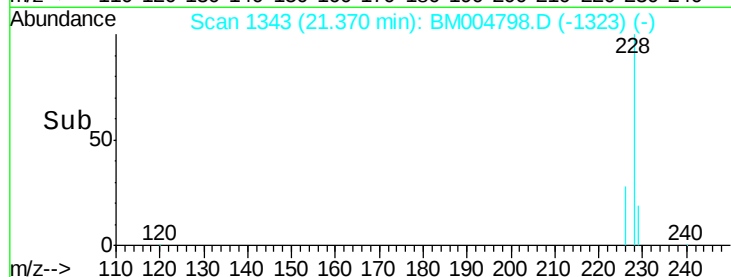
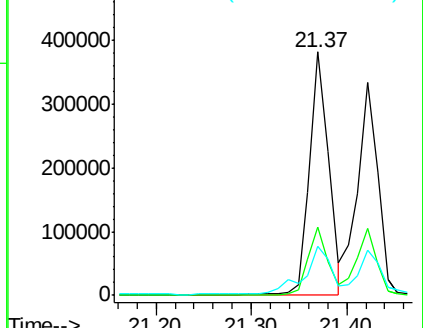
229 20.0 17.1 25.7



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: 22.19 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

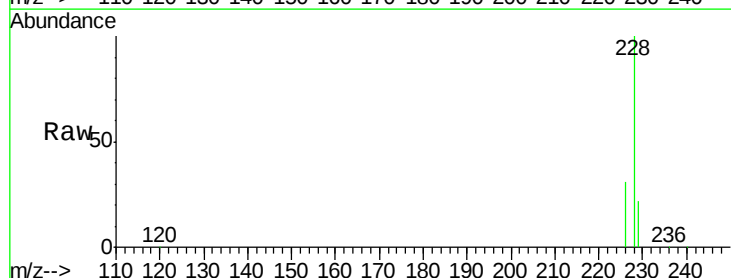
Tgt Ion:228 Resp: 493862

Ion Ratio Lower Upper

228 100

226 31.5 21.2 31.8

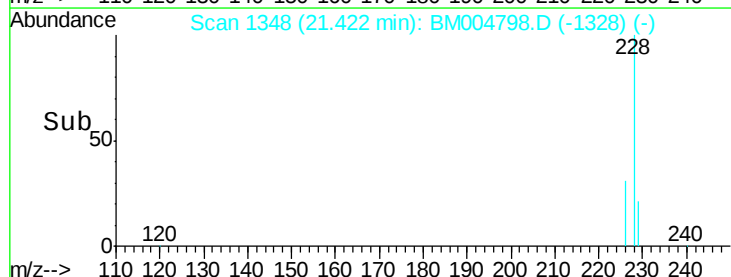
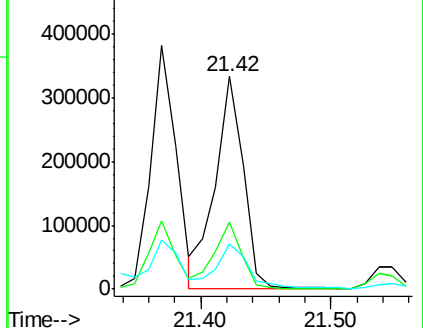
229 21.5 17.0 25.6

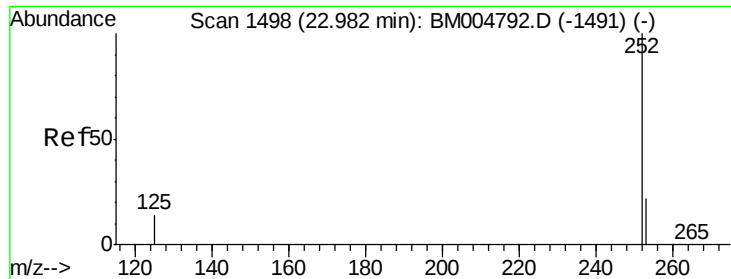


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.37 ng/u1

RT: 22.99 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

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A4T51

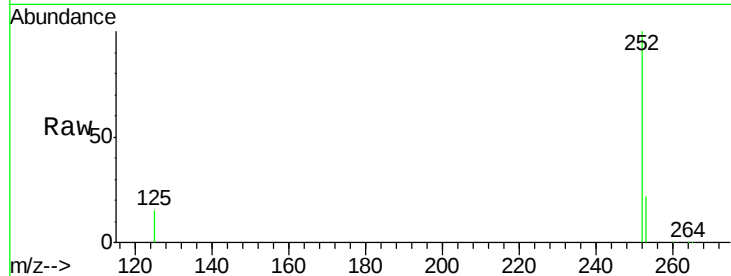
Tgt Ion:252 Resp: 349037

Ion Ratio Lower Upper

252 100

253 22.4 0.0 45.4

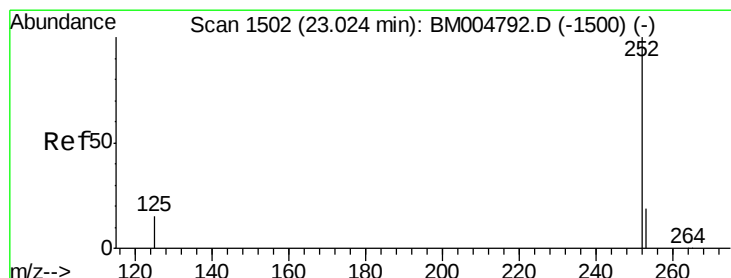
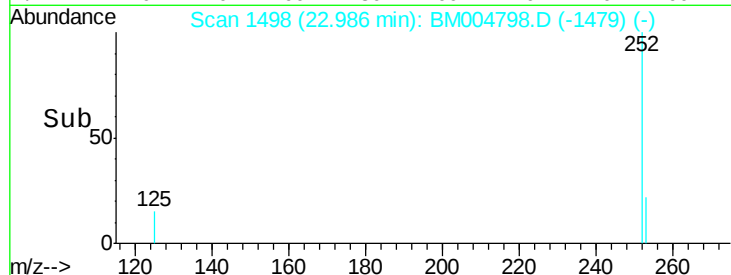
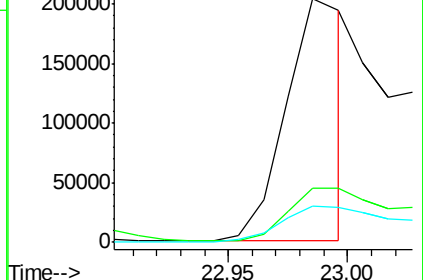
125 14.9 0.0 28.8



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: 0.76 ng/u1

RT: 22.99 min Scan# 1498

Delta R.T. -0.04 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

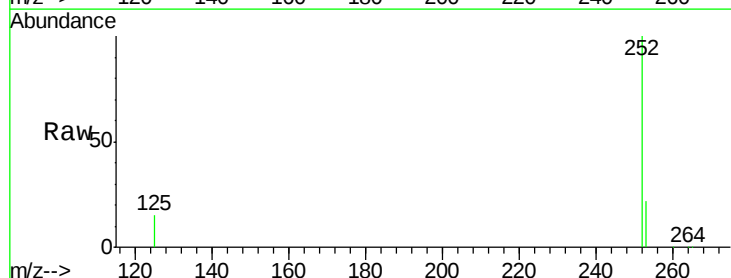
Tgt Ion:252 Resp: 657686

Ion Ratio Lower Upper

252 100

253 22.4 19.8 29.8

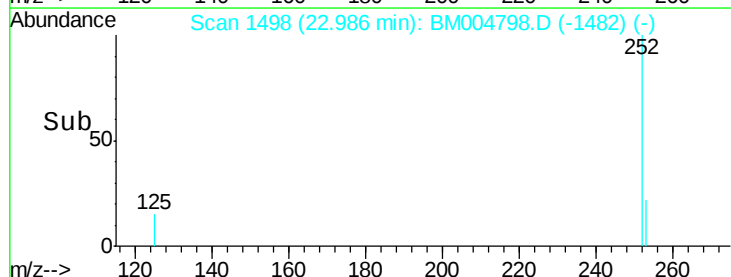
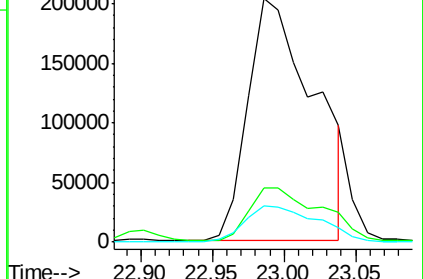
125 14.9 10.4 15.6

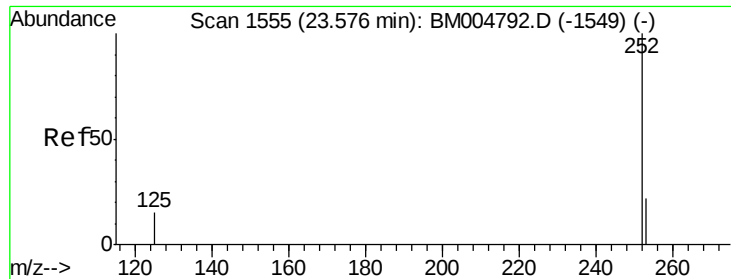


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.28 ng/ul

RT: 23.49 min Scan# 1546

Delta R.T. -0.09 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

ClientSampleId :

A4T51

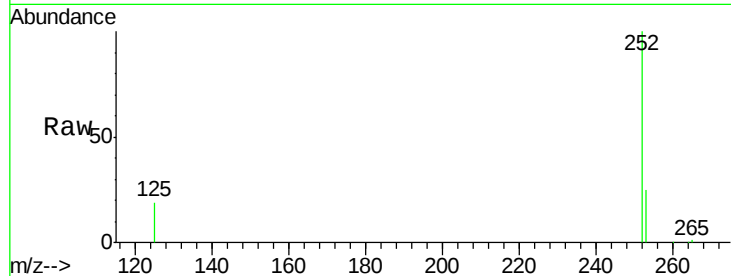
Tgt Ion:252 Resp: 239613

Ion Ratio Lower Upper

252 100

253 25.0 19.4 29.2

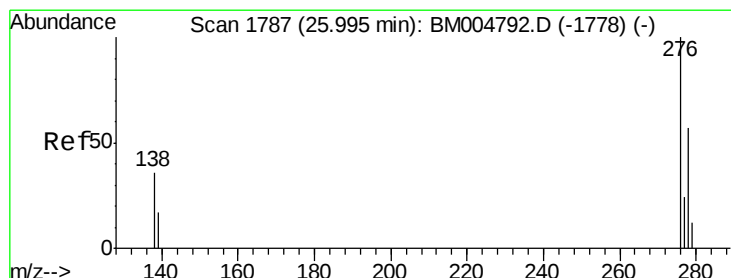
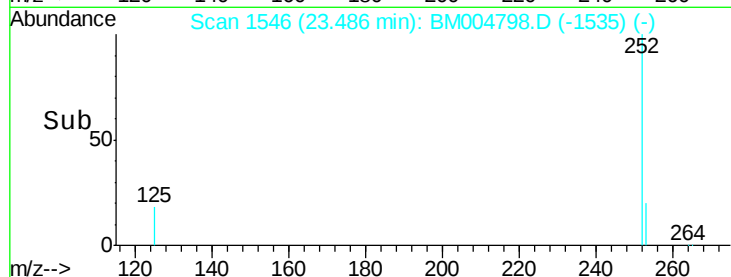
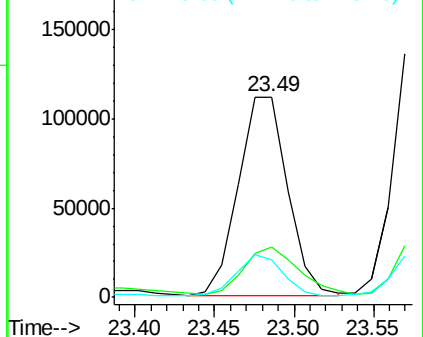
125 18.9 12.7 19.1



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



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.03 ng/ul

RT: 25.75 min Scan# 1763

Delta R.T. -0.25 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

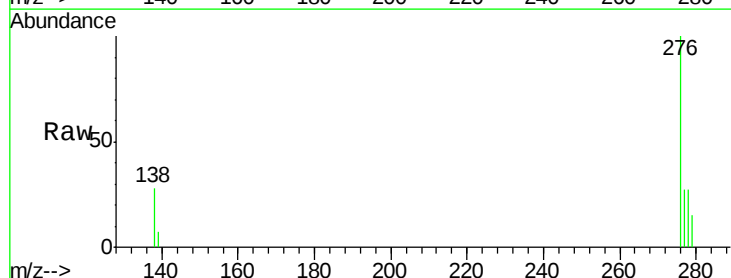
Tgt Ion:276 Resp: 26009

Ion Ratio Lower Upper

276 100

138 18.8 16.3 24.5

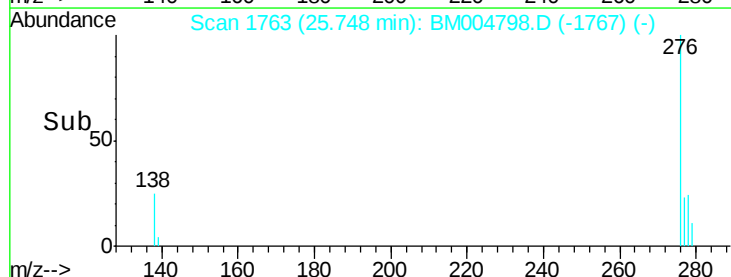
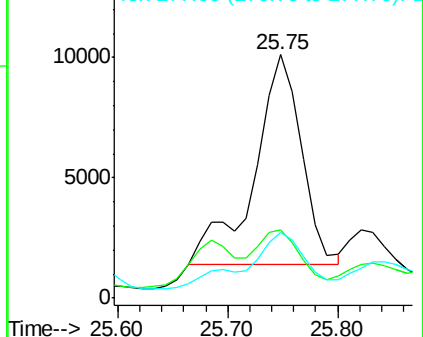
277 25.9 19.8 29.8

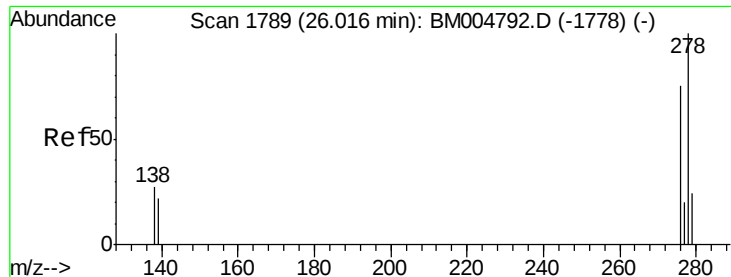


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.01 ng/ul

RT: 25.85 min Scan# 1773

Delta R.T. -0.16 min

Lab File: BM004798.D

Acq: 26 Mar 2016 04:10

Instrument :

BNA_M

ClientSampleId :

A4T51

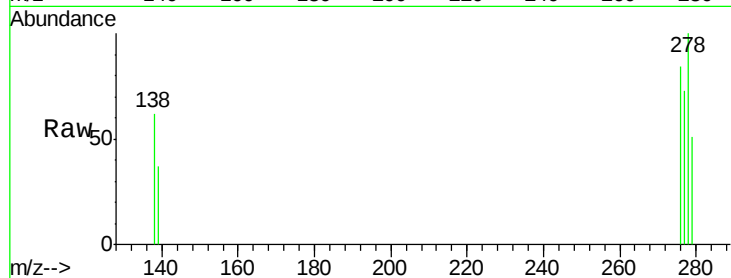
Tgt Ion: 278 Resp: 3569

Ion Ratio Lower Upper

278 100

139 37.3 16.4 24.6#

279 51.0 20.2 30.2#



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

