

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
 Data File : BM004796.D
 Acq On : 26 Mar 2016 02:58
 Operator : UM/SJ
 Sample : H1909-13
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T47

Quant Time: Mar 26 05:40:51 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	1389	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	6680	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	4117	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	400611	5.00	ng/ul	0.09
18) Chrysene-d12	21.39	240	9192	5.00	ng/ul	0.00
22) Perylene-d12	23.53	264	414864	5.00	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.32	96	4705	7.52	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.20	152	2380	0.26	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	5757	0.01	ng/ul	0.00

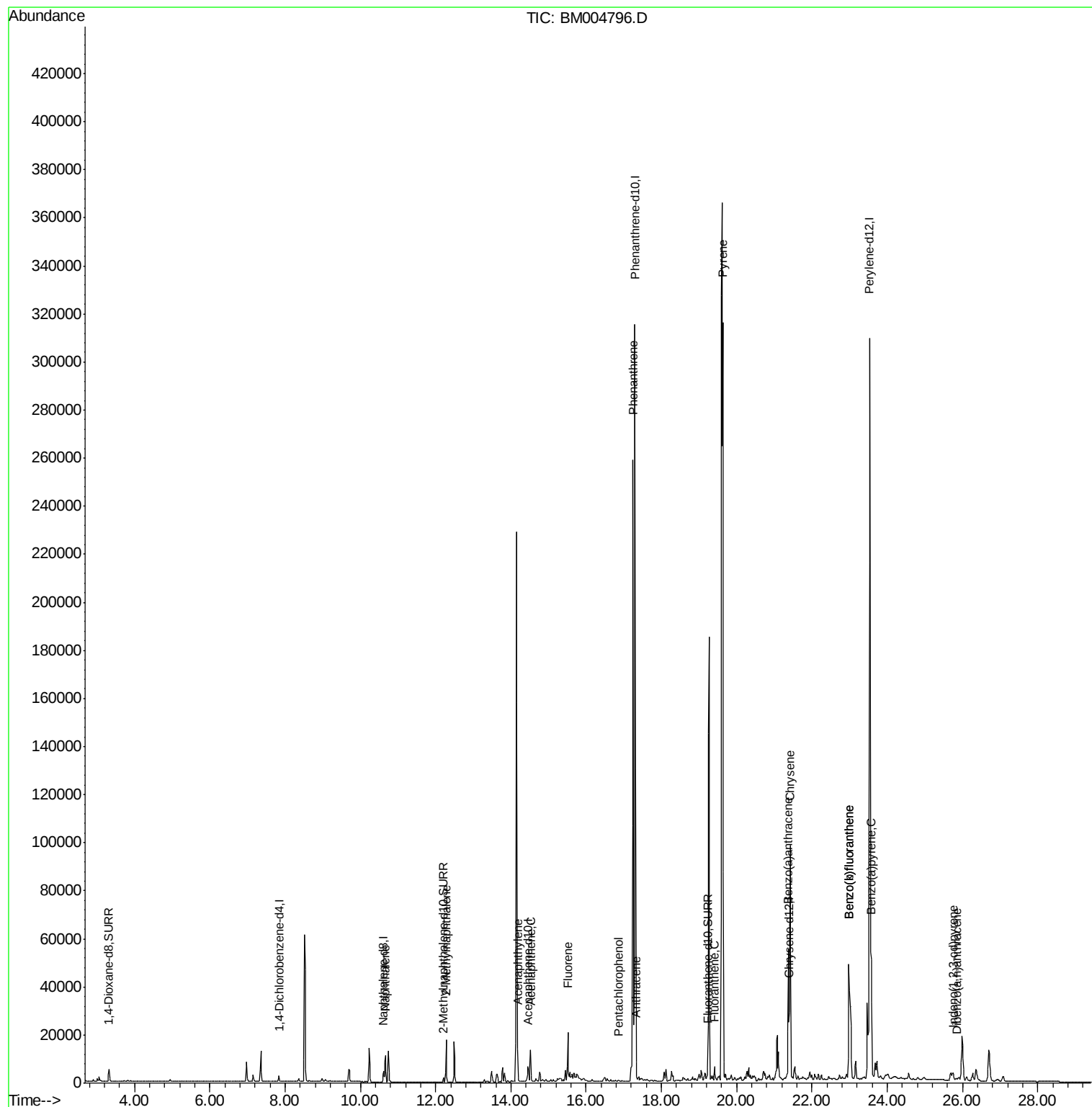
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.67	128	15579	0.97	ng/ul	98
7) 2-Methylnaphthalene	12.28	142	13018	1.13	ng/ul	100
9) Acenaphthylene	14.18	152	9153	0.48	ng/ul#	93
10) Acenaphthene	14.52	153	8294	0.62	ng/ul	92
11) Fluorene	15.51	166	17298	1.08	ng/ul	94
13) Pentachlorophenol	16.87	266	64	0.00	ng/ul#	85
14) Phenanthrene	17.24	178	298392	0.27	ng/ul	96
15) Anthracene	17.33	178	6985	0.01	ng/ul	95
17) Fluoranthene	19.41	202	5797	0.00	ng/ul	85
19) Pyrene	19.63	202	289641	9.20	ng/ul	96
20) Benzo(a)anthracene	21.37	228	50233	1.78	ng/ul#	93
21) Chrysene	21.42	228	93795	3.44	ng/ul	93
23) Benzo(b)fluoranthene	22.98	252	59620	0.04	ng/ul	98
24) Benzo(k)fluoranthene	22.98	252	113099	0.09	ng/ul#	94
25) Benzo(a)pyrene	23.58	252	54898	0.04	ng/ul	98
26) Indeno(1,2,3-cd)pyrene	25.74	276	4630	0.00	ng/ul	97
27) Dibenzo(a,h)anthracene	25.85	278	380	0.00	ng/ul#	1

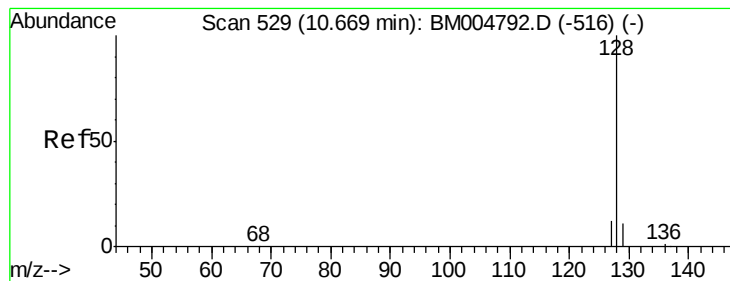
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.97 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

Instrument :

BNA_M

ClientSampleId :

A4T47

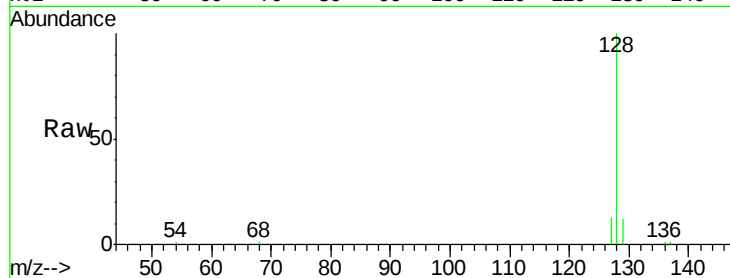
Tgt Ion:128 Resp: 15579

Ion Ratio Lower Upper

128 100

129 11.9 9.0 13.6

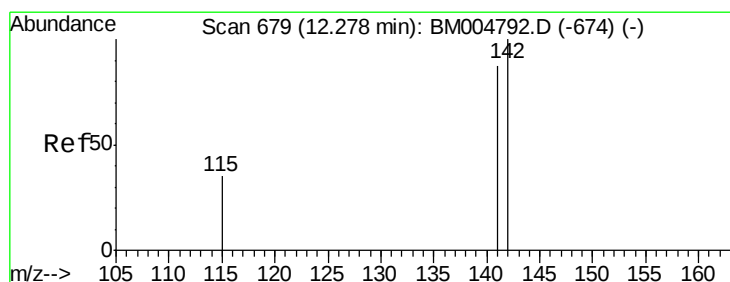
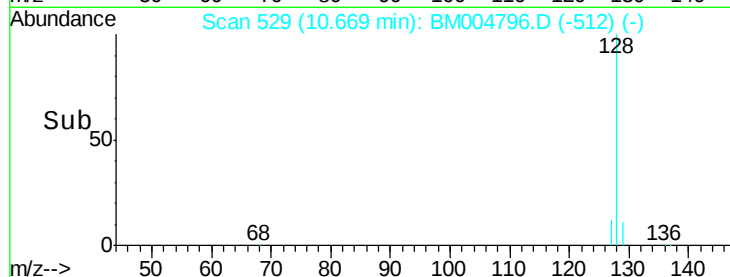
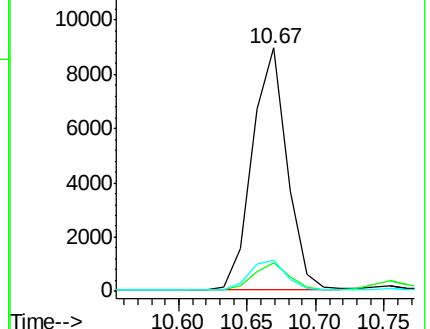
127 12.8 9.6 14.4



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: 1.13 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BM004796.D

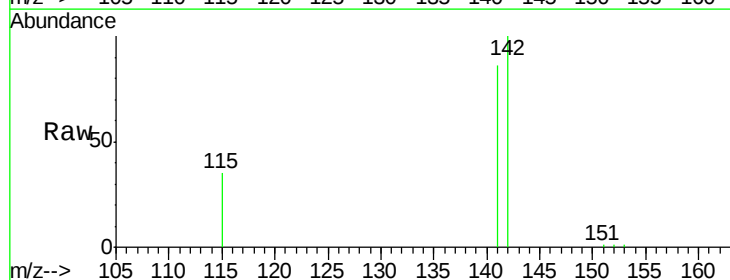
Acq: 26 Mar 2016 02:58

Tgt Ion:142 Resp: 13018

Ion Ratio Lower Upper

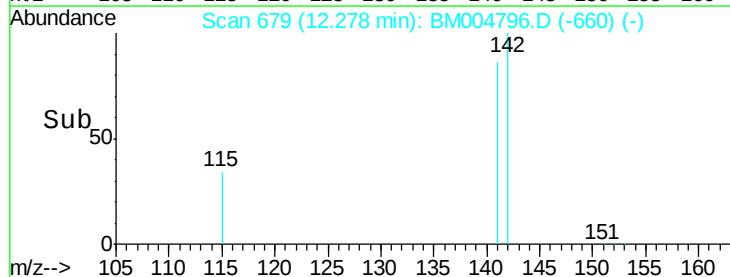
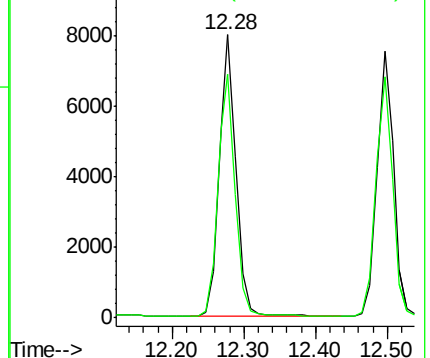
142 100

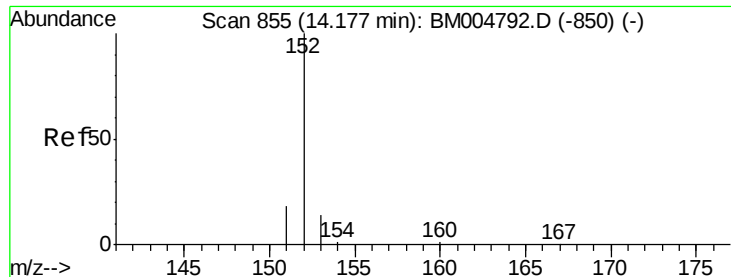
141 88.2 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 0.48 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

Instrument :

BNA_M

ClientSampleId :

A4T47

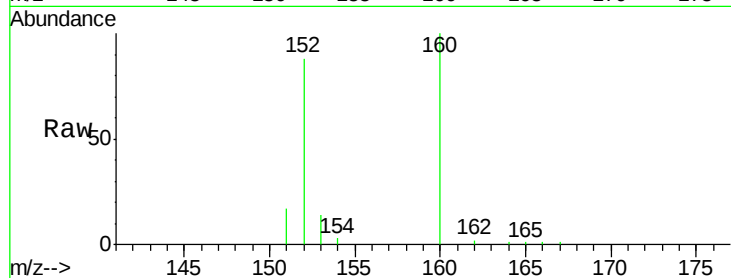
Tgt Ion:152 Resp: 9153

Ion Ratio Lower Upper

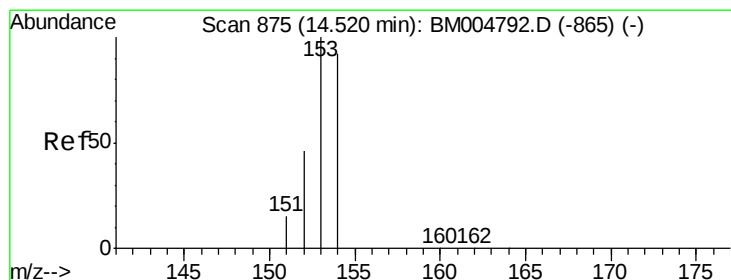
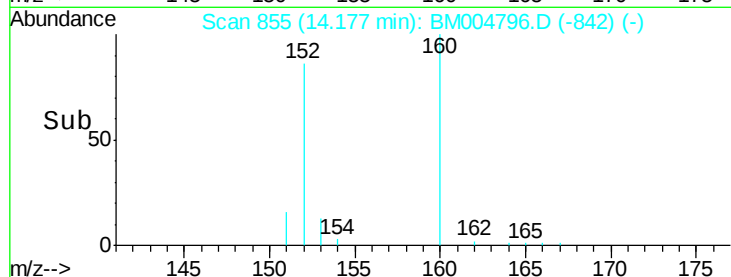
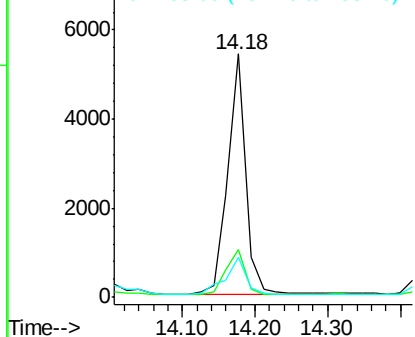
152 100

151 19.5 17.6 26.4

153 16.3 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: 0.62 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

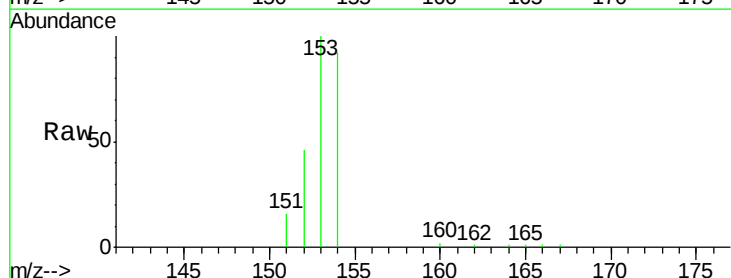
Tgt Ion:153 Resp: 8294

Ion Ratio Lower Upper

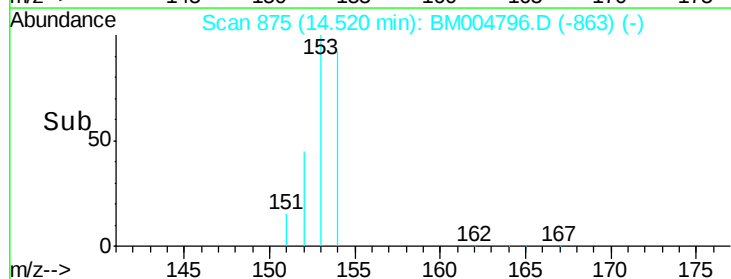
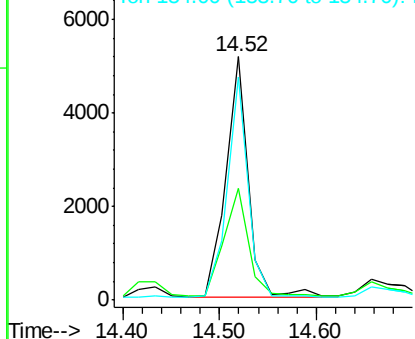
153 100

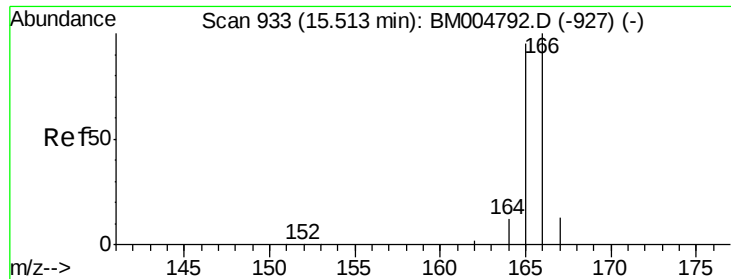
152 46.1 33.9 50.9

154 91.6 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

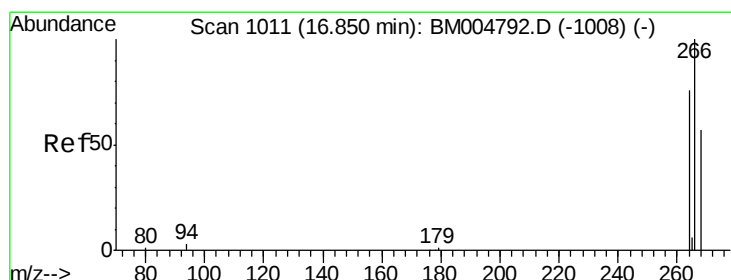
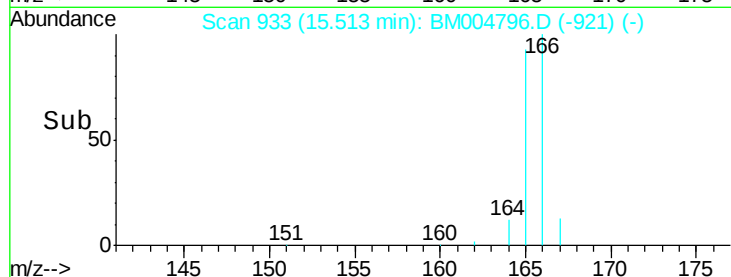
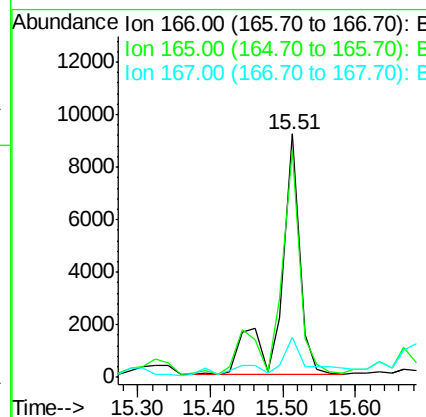
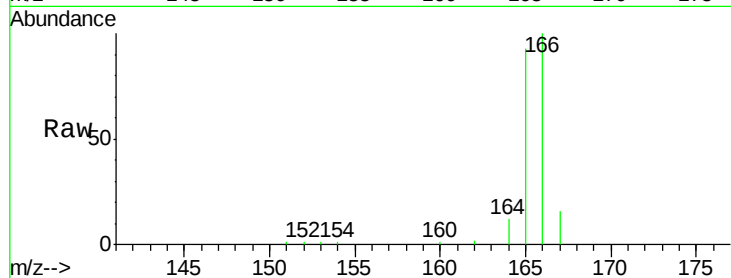




#11
Fluorene
 Concen: 1.08 ng/ul
 RT: 15.51 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: BM004796.D
 Acq: 26 Mar 2016 02:58

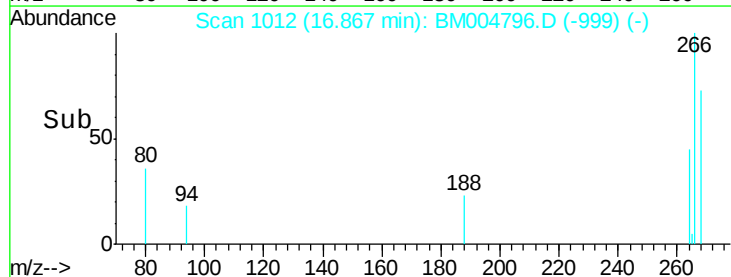
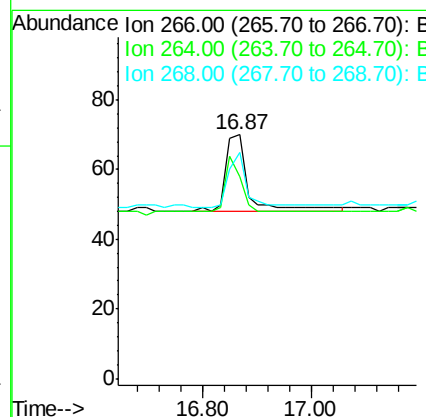
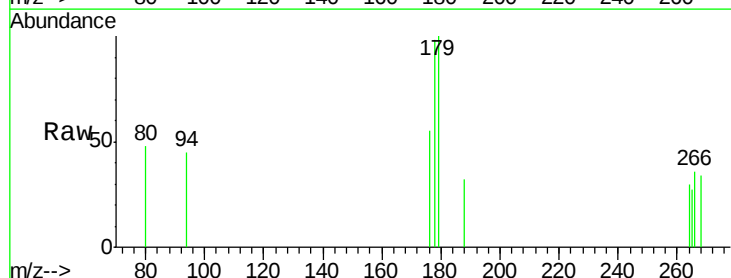
Instrument :
 BNA_M
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 A4T47

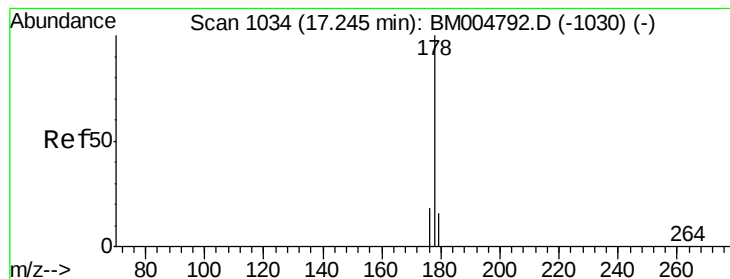
Tgt Ion:166 Resp: 17298
 Ion Ratio Lower Upper
 166 100
 165 93.3 69.6 104.4
 167 16.2 11.9 17.9



#13
Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.02 min
 Lab File: BM004796.D
 Acq: 26 Mar 2016 02:58

Tgt Ion:266 Resp: 64
 Ion Ratio Lower Upper
 266 100
 264 46.9 51.8 77.8#
 268 64.1 46.8 70.2





#14

Phenanthrene

Concen: 0.27 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

Instrument :

BNA_M

ClientSampleId :

A4T47

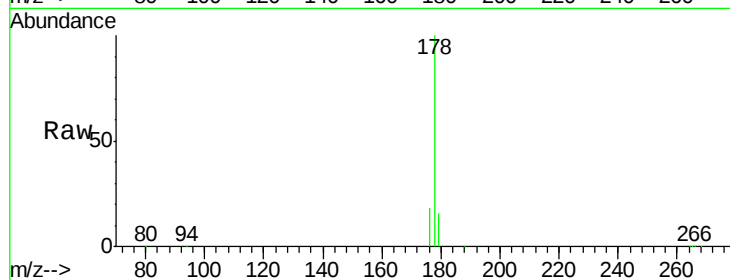
Tgt Ion:178 Resp: 298392

Ion Ratio Lower Upper

178 100

176 17.8 13.0 19.4

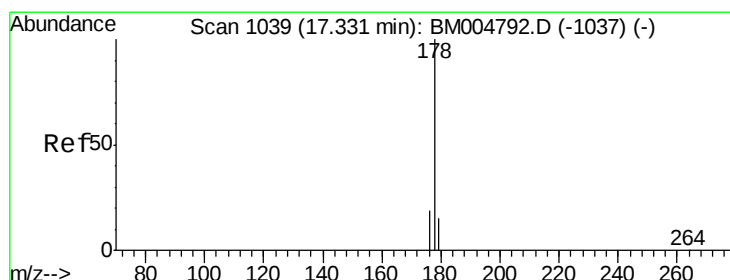
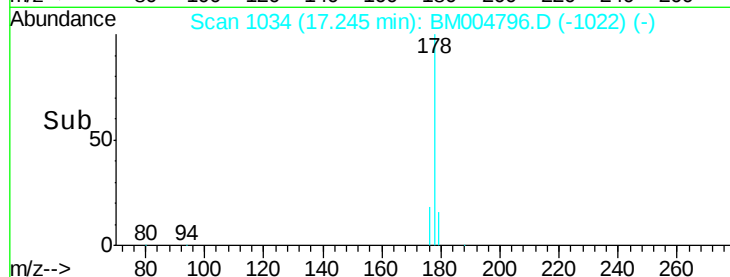
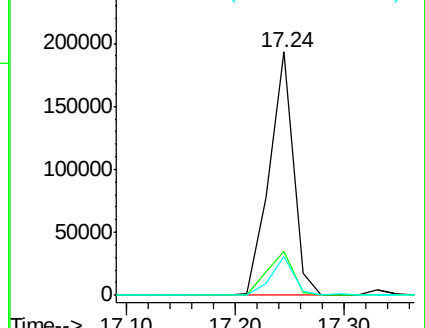
179 16.1 14.2 21.2



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: 0.01 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. -0.00 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

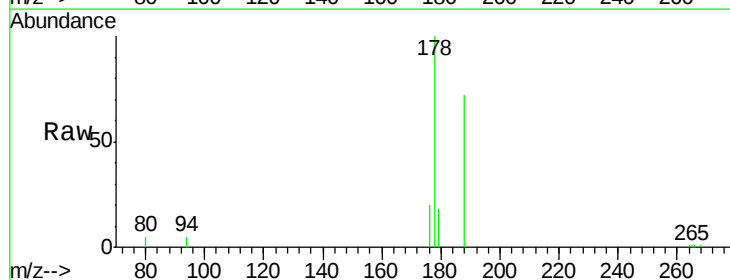
Tgt Ion:178 Resp: 6985

Ion Ratio Lower Upper

178 100

176 20.1 14.0 21.0

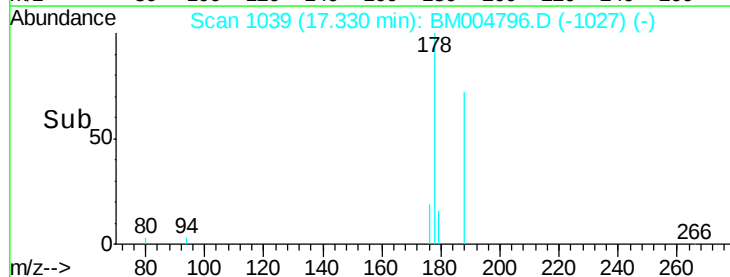
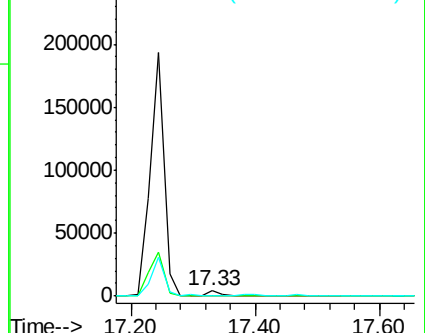
179 17.8 12.9 19.3

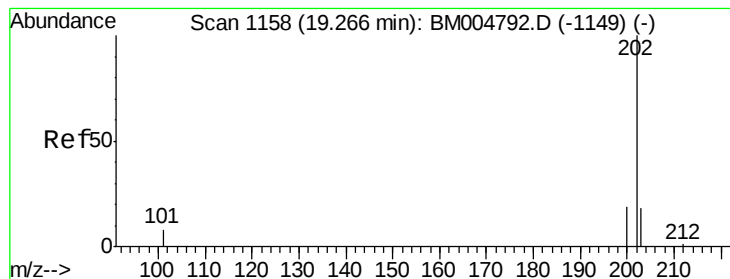


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#17

Fluoranthene

Concen: 0.00 ng/ul

RT: 19.41 min Scan# 1170

Delta R.T. 0.15 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

Instrument :

BNA_M

ClientSampleId :

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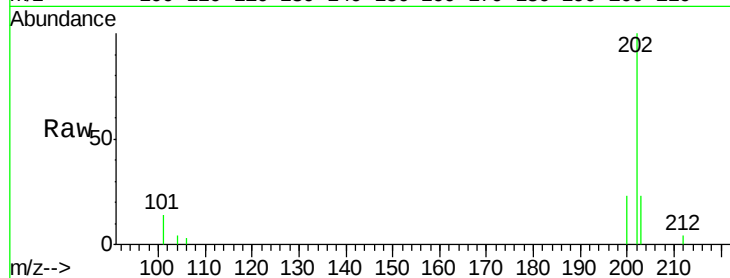
Tgt Ion:202 Resp: 5797

Ion Ratio Lower Upper

202 100

101 13.9 0.0 29.6

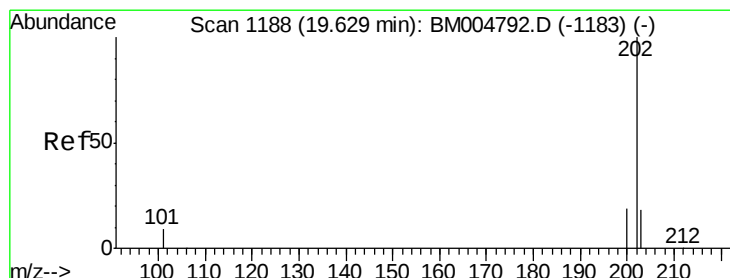
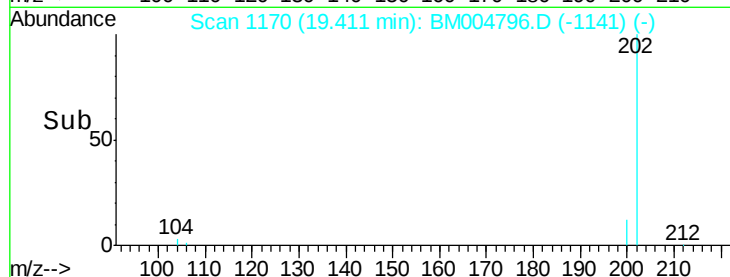
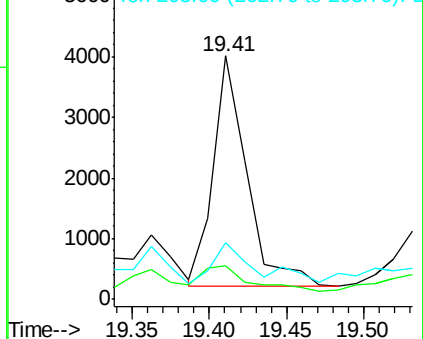
203 23.3 0.0 36.3



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: 9.20 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. -0.00 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

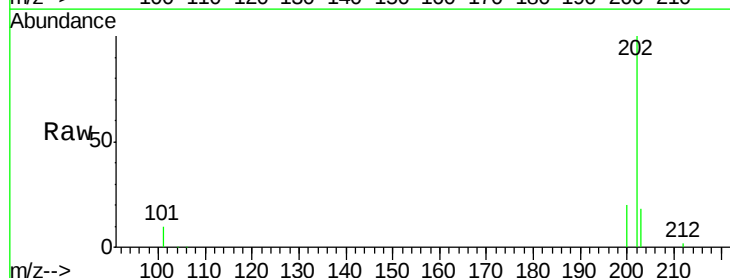
Tgt Ion:202 Resp: 289641

Ion Ratio Lower Upper

202 100

200 20.3 17.8 26.8

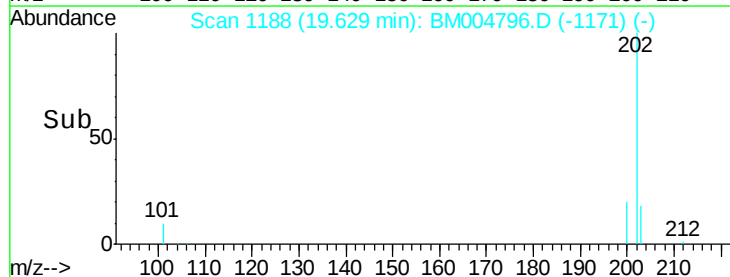
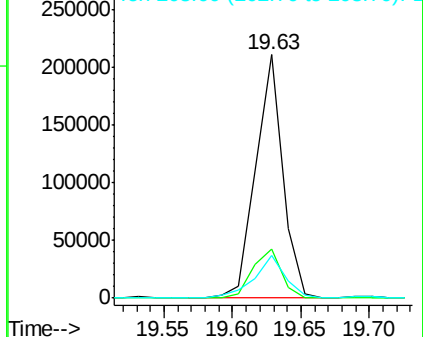
203 17.6 12.8 19.2

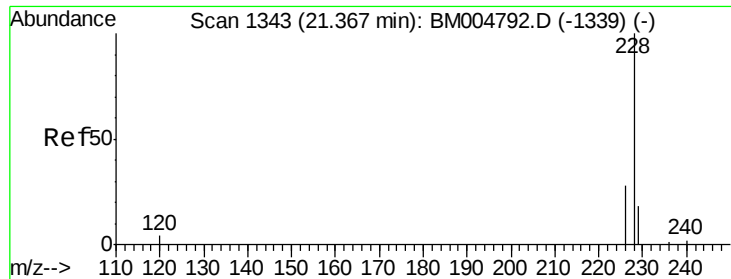


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 1.78 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. -0.00 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

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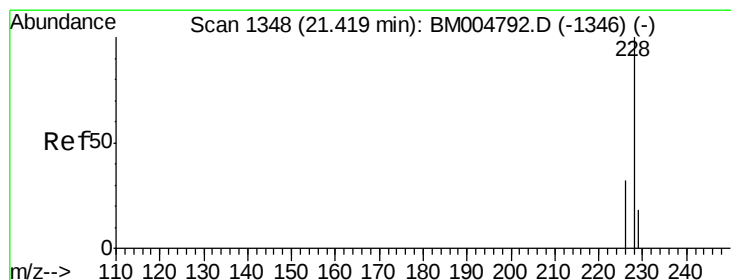
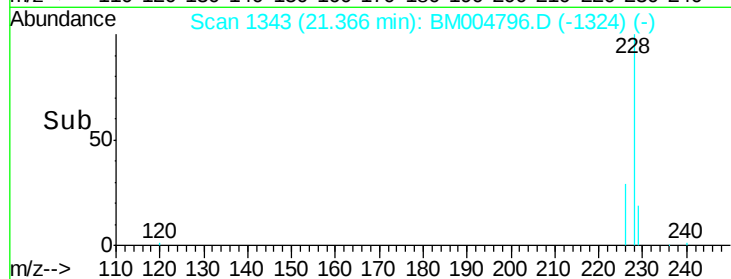
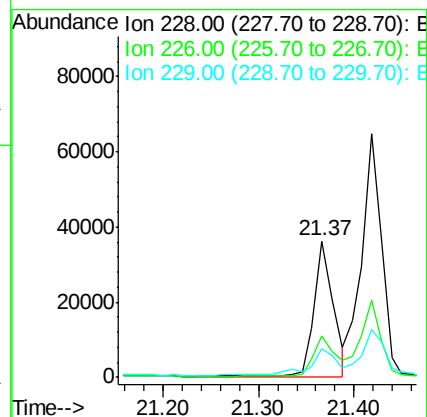
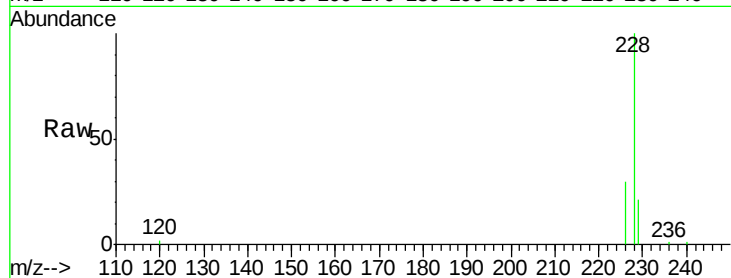
Tgt Ion:228 Resp: 50233

Ion Ratio Lower Upper

228 100

226 30.2 18.8 28.2#

229 21.2 17.1 25.7



#21

Chrysene

Concen: 3.44 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

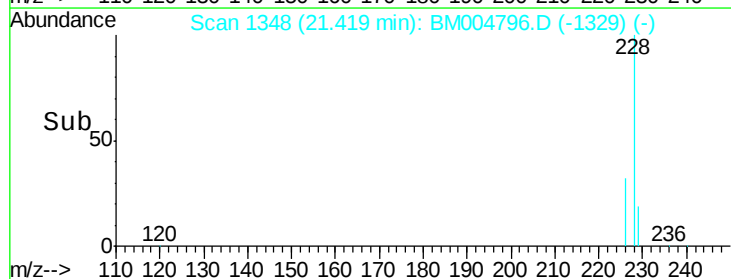
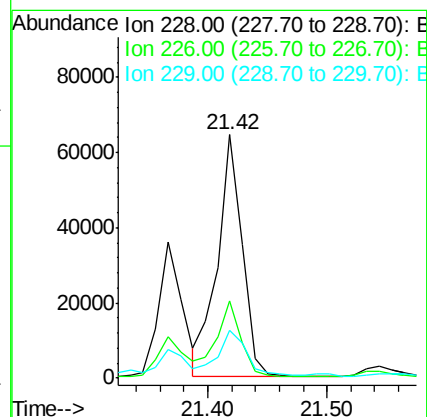
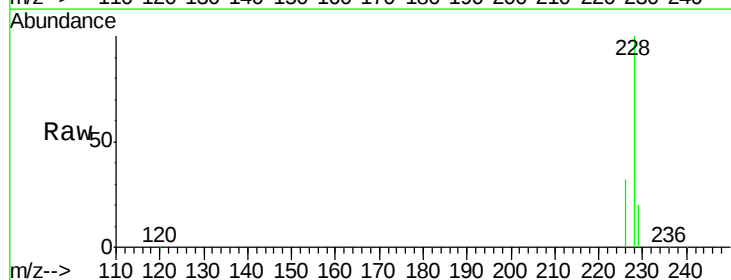
Tgt Ion:228 Resp: 93795

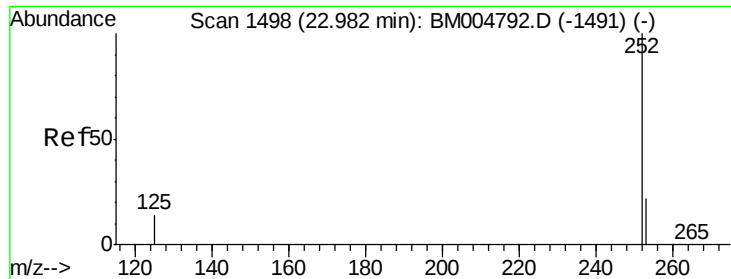
Ion Ratio Lower Upper

228 100

226 31.8 21.2 31.8

229 19.8 17.0 25.6





#23

Benzo(b)fluoranthene

Concen: 0.04 ng/u1

RT: 22.98 min Scan# 1498

Delta R.T. -0.00 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

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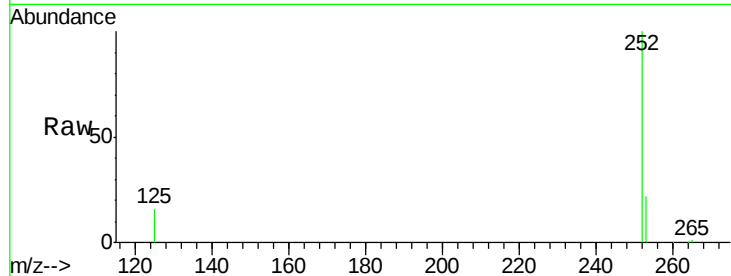
Tgt Ion:252 Resp: 59620

Ion Ratio Lower Upper

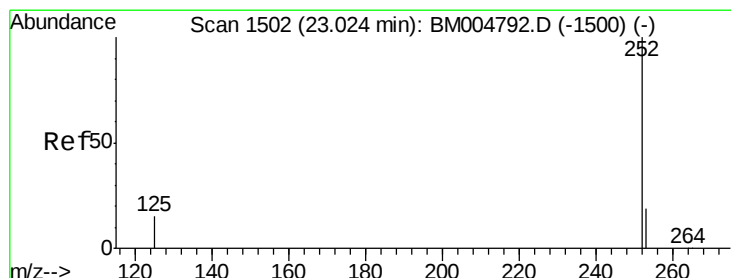
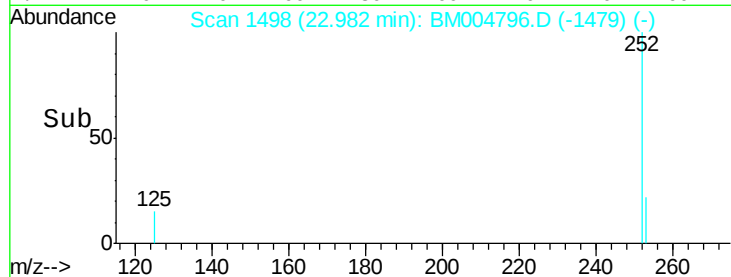
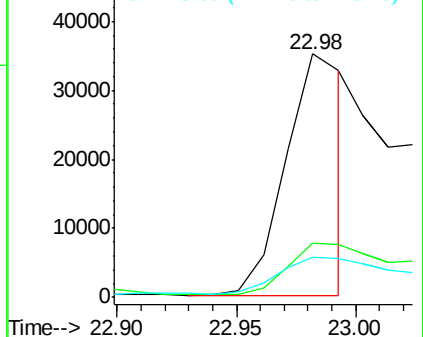
252 100

253 22.4 0.0 45.4

125 16.3 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: 0.09 ng/u1

RT: 22.98 min Scan# 1498

Delta R.T. -0.04 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

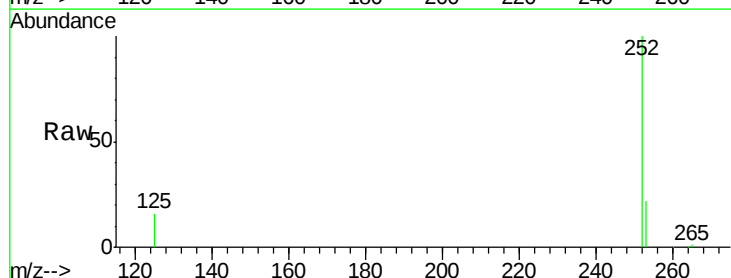
Tgt Ion:252 Resp: 113099

Ion Ratio Lower Upper

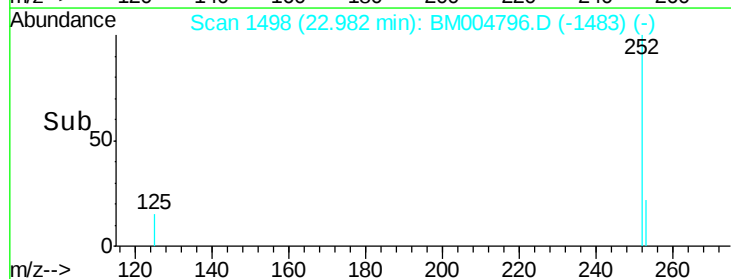
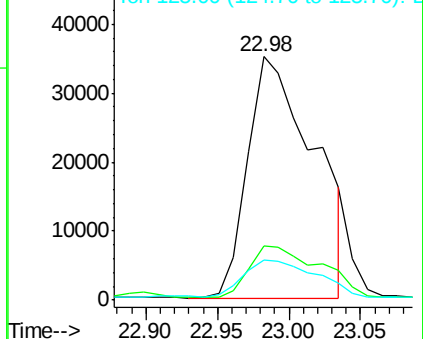
252 100

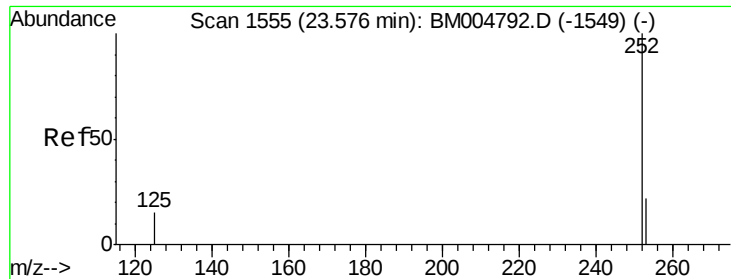
253 22.4 19.8 29.8

125 16.3 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: 0.04 ng/u1

RT: 23.58 min Scan# 1555

Delta R.T. -0.00 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

Instrument :

BNA_M

ClientSampled :

A4T47

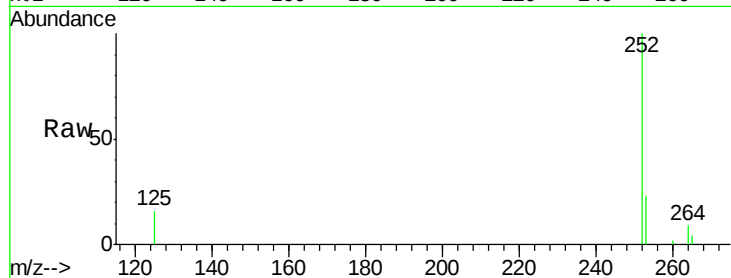
Tgt Ion:252 Resp: 54898

Ion Ratio Lower Upper

252 100

253 22.7 19.4 29.2

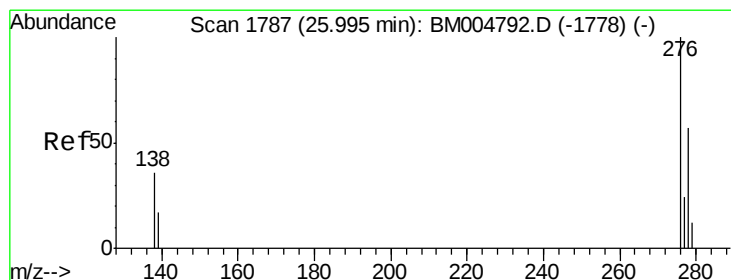
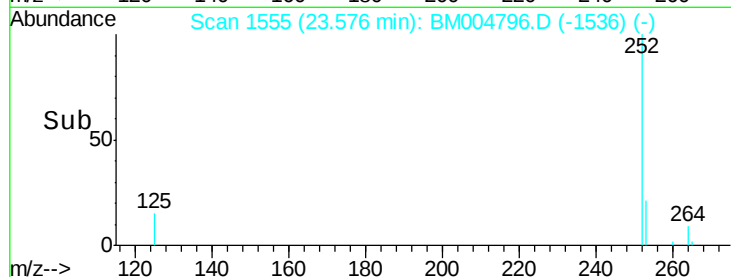
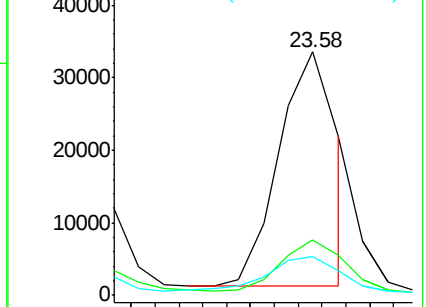
125 16.1 12.7 19.1



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: 0.00 ng/u1

RT: 25.74 min Scan# 1763

Delta R.T. -0.25 min

Lab File: BM004796.D

Acq: 26 Mar 2016 02:58

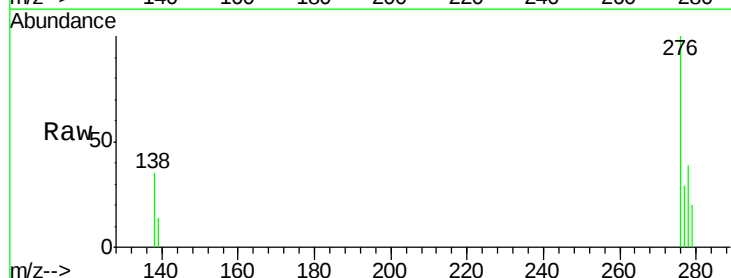
Tgt Ion:276 Resp: 4630

Ion Ratio Lower Upper

276 100

138 21.4 16.3 24.5

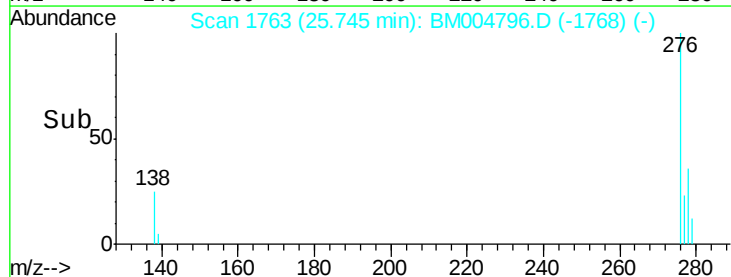
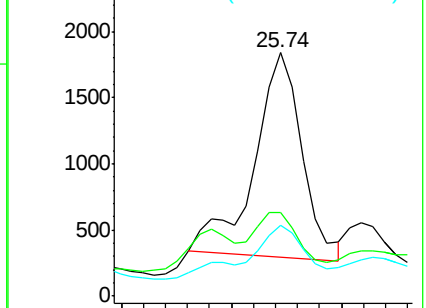
277 23.4 19.8 29.8

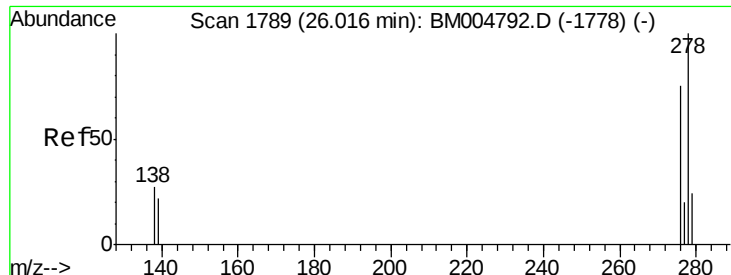


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 0.00 ng/ul

RT: 25.85 min Scan# 1773

Delta R.T. -0.17 min

Lab File: BM004796.D

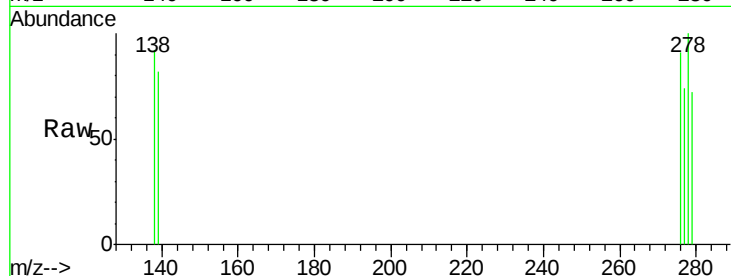
Acq: 26 Mar 2016 02:58

Instrument :

BNA_M

ClientSampleId :

A4T47



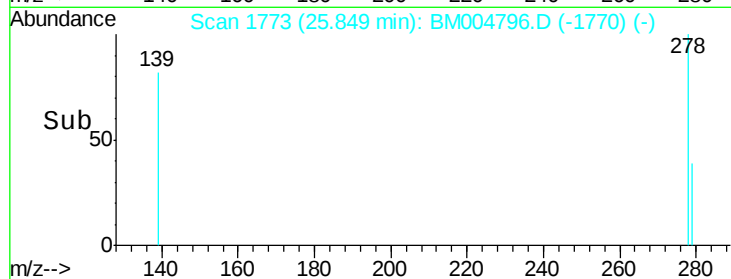
Tgt Ion: 278 Resp: 380

Ion Ratio Lower Upper

278 100

139 81.6 16.4 24.6#

279 71.9 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

