

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
 Data File : BM004795.D
 Acq On : 26 Mar 2016 02:22
 Operator : UM/SJ
 Sample : H1909-12
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T46

Quant Time: Mar 26 05:40:43 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM032516.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 26 05:39:18 2016
 Response via : Initial Calibration

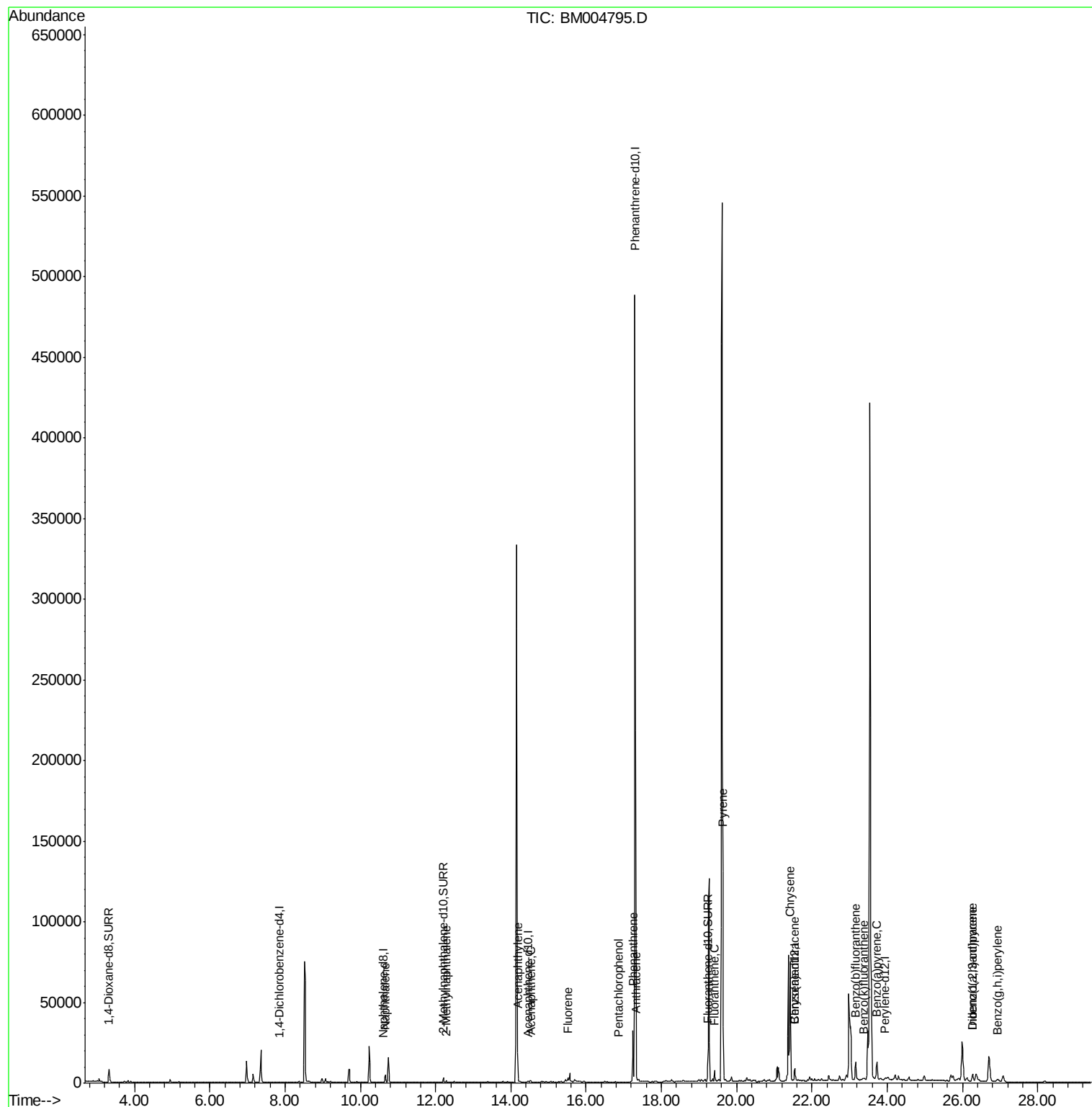
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.84	152	5	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	163	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	519	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.30	188	635742	5.00	ng/ul	0.09
18) Chrysene-d12	21.54	240	77	5.00	ng/ul	0.16
22) Perylene-d12	23.94	264	503	5.00	ng/ul	0.26
System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.32	96	6998	3105.84	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.20	152	3911	17.21	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	9517	0.01	ng/ul	0.00
Target Compounds						
					Qvalue	
5) Naphthalene	10.67	128	7024	17.84	ng/ul	97
7) 2-Methylnaphthalene	12.28	142	1060	3.76	ng/ul	100
9) Acenaphthylene	14.18	152	9158	3.84	ng/ul#	94
10) Acenaphthene	14.52	153	796	0.47	ng/ul#	87
11) Fluorene	15.51	166	1962	0.97	ng/ul#	89
13) Pentachlorophenol	16.85	266	136	0.00	ng/ul	95
14) Phenanthrene	17.24	178	38235	0.02	ng/ul	97
15) Anthracene	17.33	178	11161	0.01	ng/ul	97
17) Fluoranthene	19.41	202	6292	0.00	ng/ul	83
19) Pyrene	19.63	202	113069	428.81	ng/ul	95
20) Benzo(a)anthracene	21.54	228	7140	30.17	ng/ul#	54
21) Chrysene	21.42	228	65429	286.15	ng/ul	95
23) Benzo(b)fluoranthene	23.16	252	14759	8.71	ng/ul	82
24) Benzo(k)fluoranthene	23.37	252	1130	0.72	ng/ul#	1
25) Benzo(a)pyrene	23.72	252	14575	9.41	ng/ul#	86
26) Indeno(1,2,3-cd)pyrene	26.27	276	1692	1.18	ng/ul#	33
27) Dibenzo(a,h)anthracene	26.27	278	6500	5.76	ng/ul#	83
28) Benzo(g,h,i)perylene	26.93	276	1103	0.93	ng/ul#	1

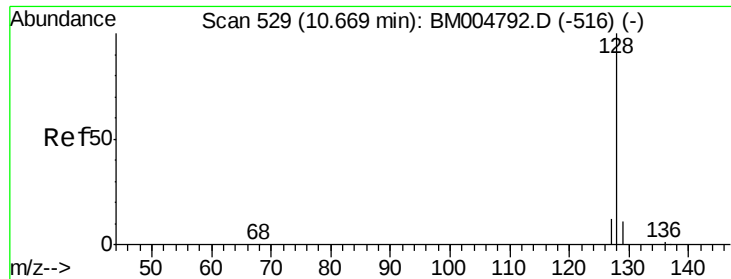
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 17.84 ng/ul

RT: 10.67 min Scan# 529

Delta R.T. -0.00 min

Lab File: BM004795.D

Acq: 26 Mar 2016 02:22

Instrument :

BNA_M

ClientSampleId :

A4T46

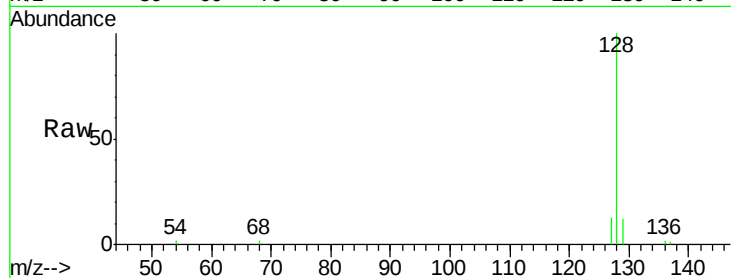
Tgt Ion:128 Resp: 7024

Ion Ratio Lower Upper

128 100

129 12.3 9.0 13.6

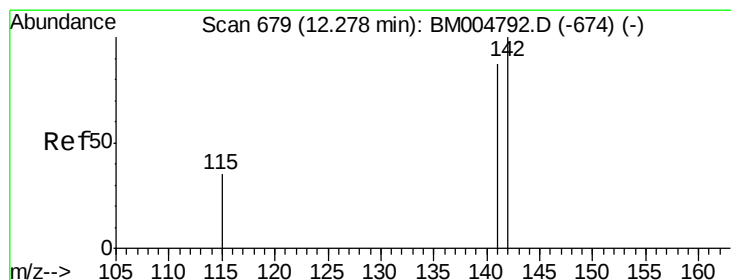
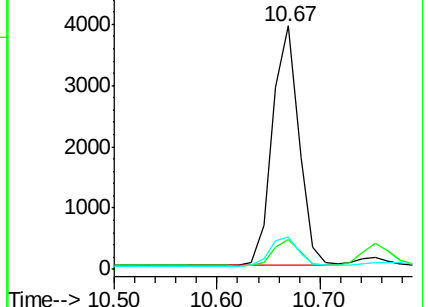
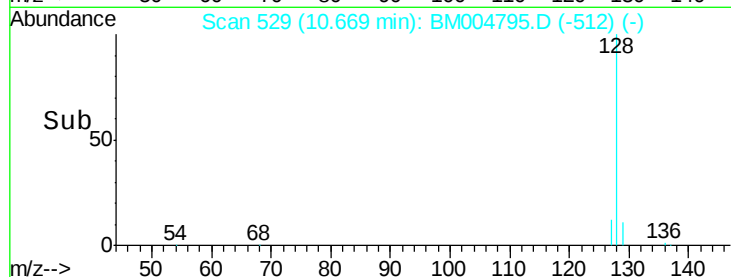
127 13.5 9.6 14.4



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: 3.76 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. -0.00 min

Lab File: BM004795.D

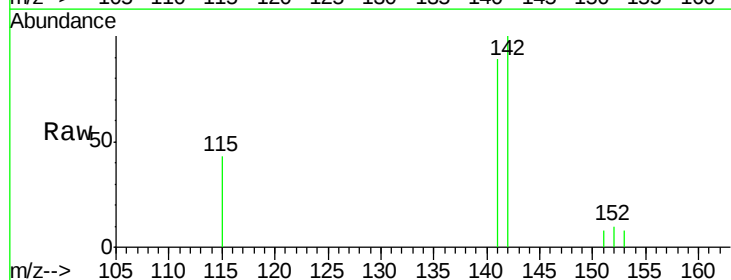
Acq: 26 Mar 2016 02:22

Tgt Ion:142 Resp: 1060

Ion Ratio Lower Upper

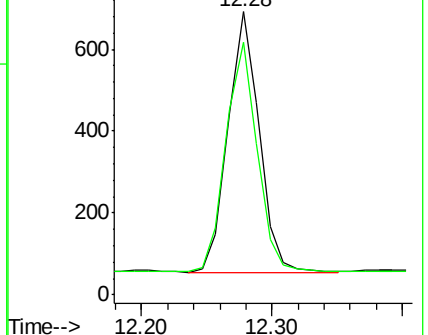
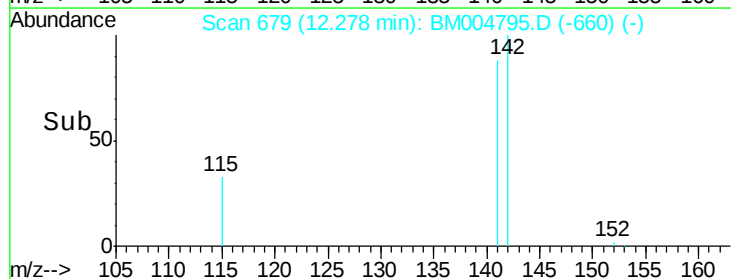
142 100

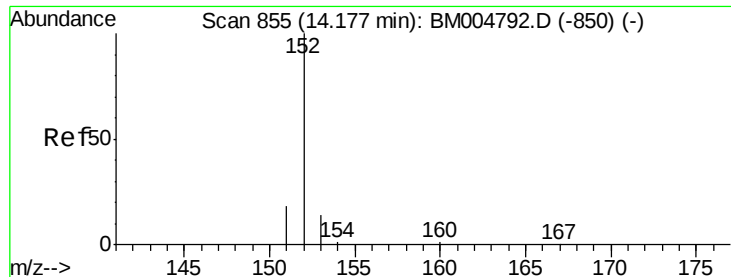
141 88.3 70.3 105.5



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E





#9

Acenaphthylene

Concen: 3.84 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. -0.00 min

Lab File: BM004795.D

Acq: 26 Mar 2016 02:22

Instrument :

BNA_M

ClientSampleId :

A4T46

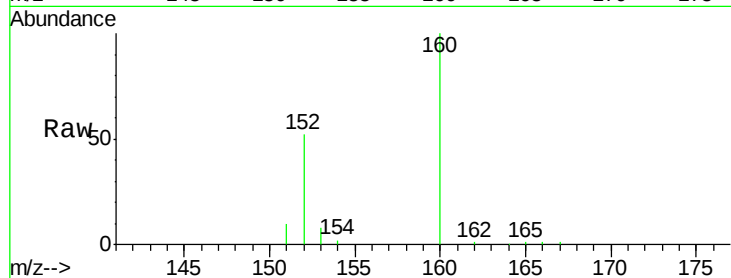
Tgt Ion:152 Resp: 9158

Ion Ratio Lower Upper

152 100

151 19.0 17.6 26.4

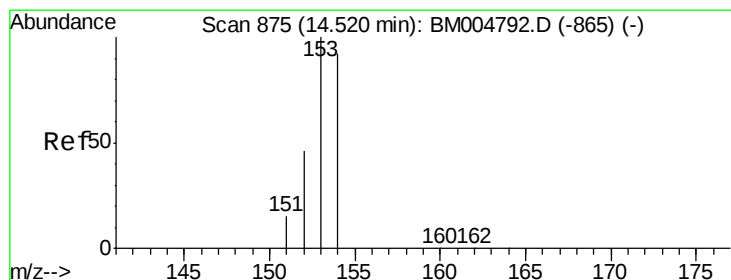
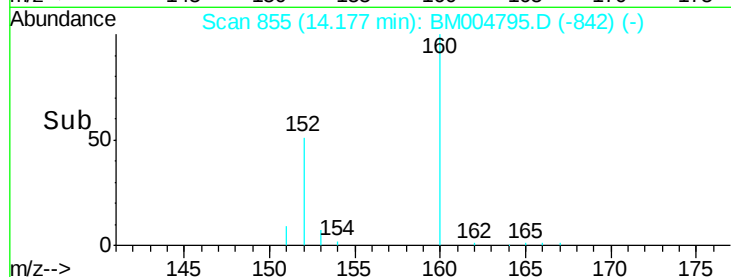
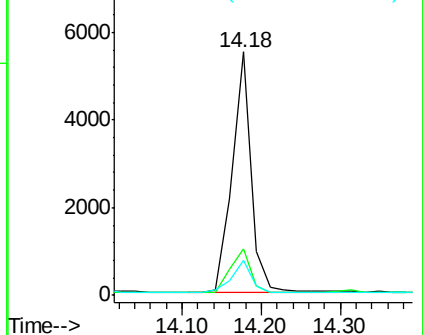
153 14.6 9.7 14.5#



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: 0.47 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. -0.00 min

Lab File: BM004795.D

Acq: 26 Mar 2016 02:22

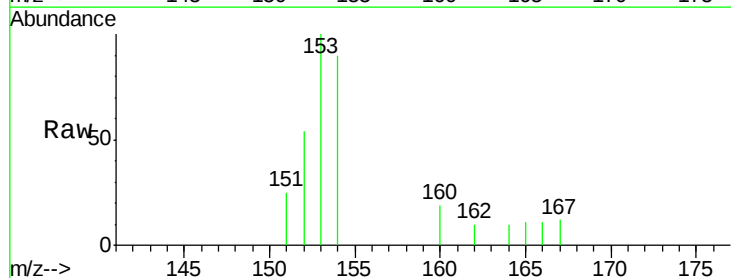
Tgt Ion:153 Resp: 796

Ion Ratio Lower Upper

153 100

152 53.7 33.9 50.9#

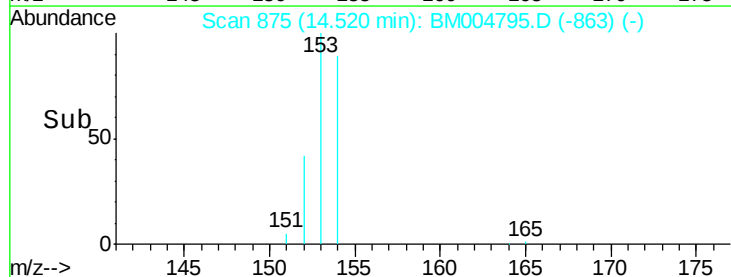
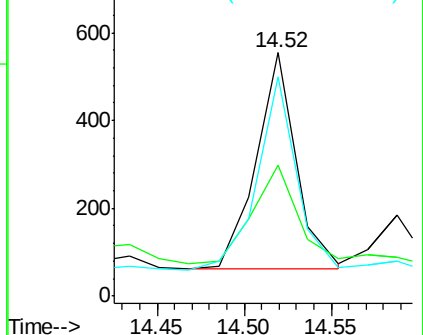
154 90.3 80.6 121.0

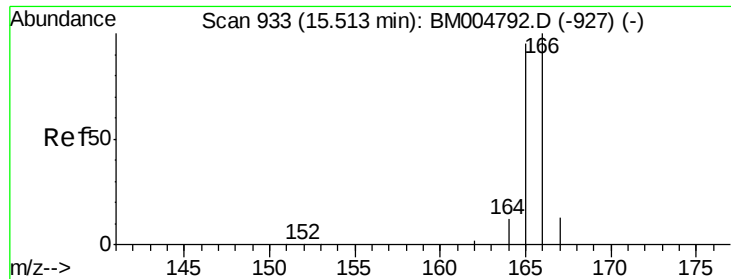


Abundance Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

Ion 154.00 (153.70 to 154.70): E

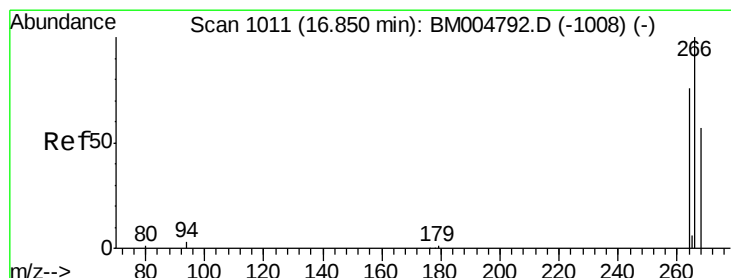
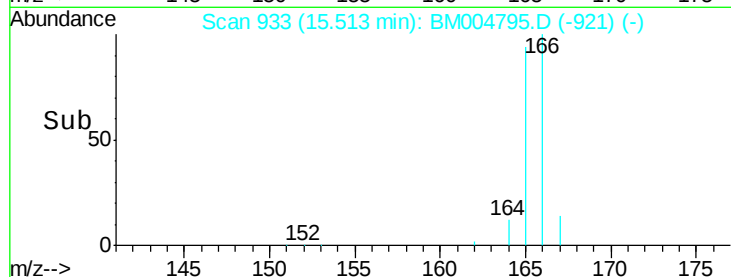
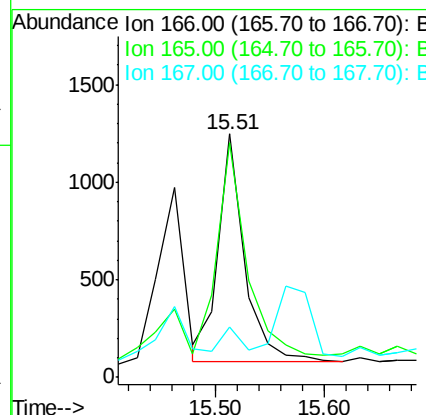
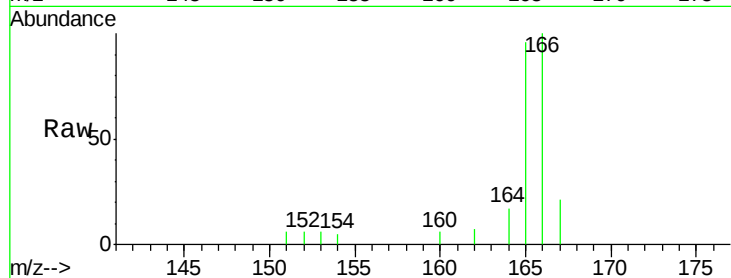




#11
 Fluorene
 Concen: 0.97 ng/ul
 RT: 15.51 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: BM004795.D
 Acq: 26 Mar 2016 02:22

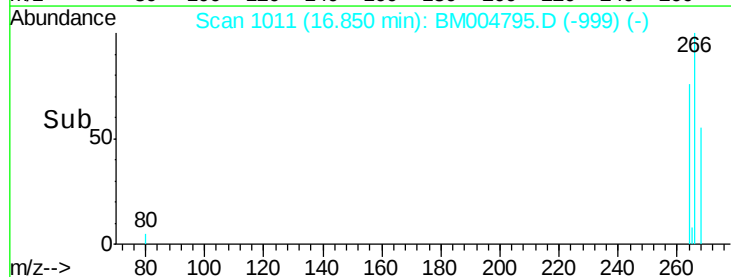
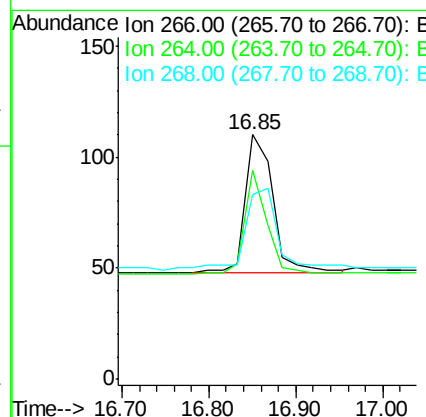
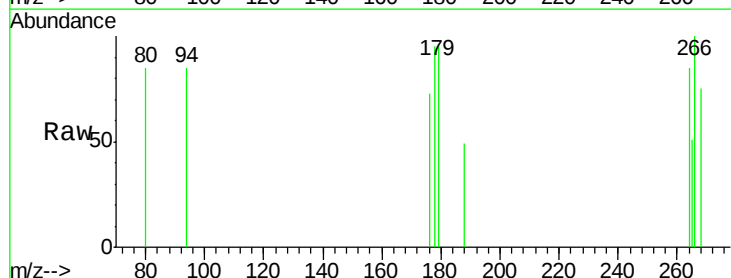
Instrument :
 BNA_M
 ClientSampleId :
 A4T46

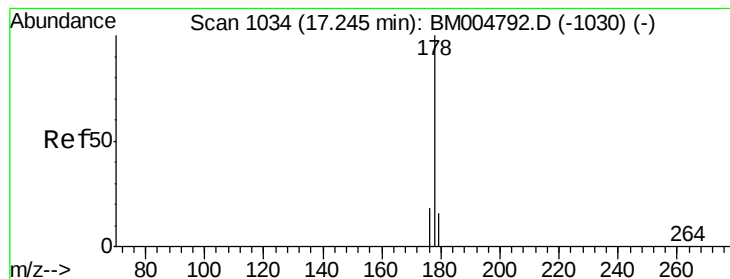
Tgt Ion:166 Resp: 1962
 Ion Ratio Lower Upper
 166 100
 165 96.4 69.6 104.4
 167 20.8 11.9 17.9#



#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. -0.00 min
 Lab File: BM004795.D
 Acq: 26 Mar 2016 02:22

Tgt Ion:266 Resp: 136
 Ion Ratio Lower Upper
 266 100
 264 68.4 51.8 77.8
 268 62.5 46.8 70.2





#14

Phenanthrene

Concen: 0.02 ng/ul

RT: 17.24 min Scan# 1034

Delta R.T. -0.00 min

Lab File: BM004795.D

Acq: 26 Mar 2016 02:22

Instrument :

BNA_M

ClientSampleId :

A4T46

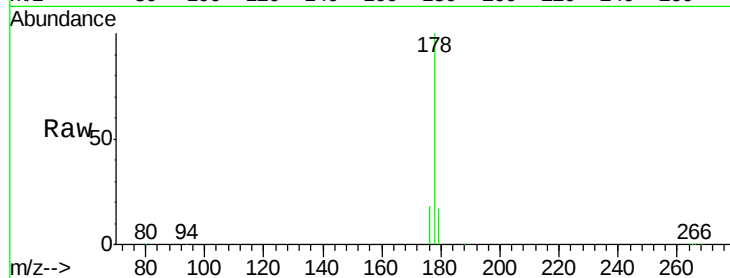
Tgt Ion:178 Resp: 38235

Ion Ratio Lower Upper

178 100

176 17.5 13.0 19.4

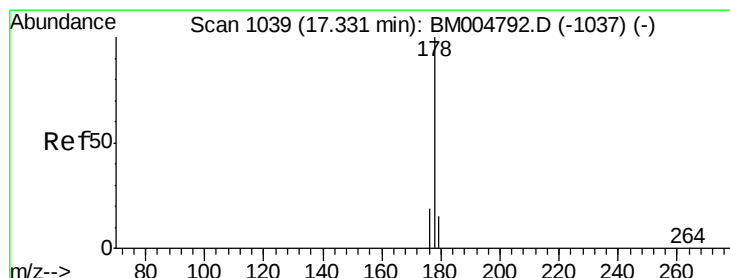
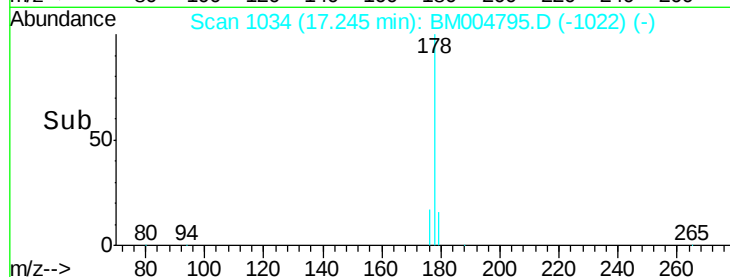
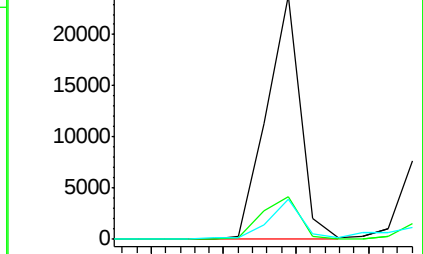
179 16.7 14.2 21.2



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: BM004795.D

Acq: 26 Mar 2016 02:22

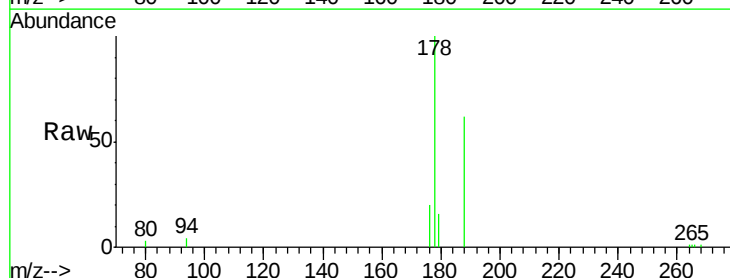
Tgt Ion:178 Resp: 11161

Ion Ratio Lower Upper

178 100

176 19.9 14.0 21.0

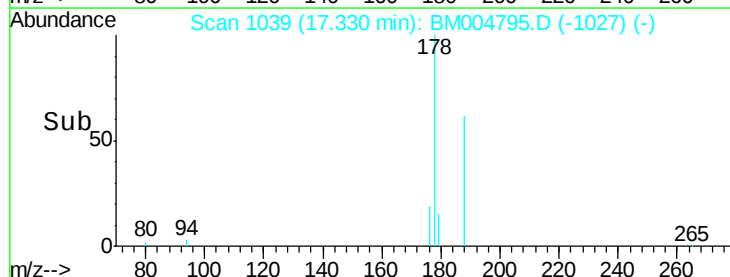
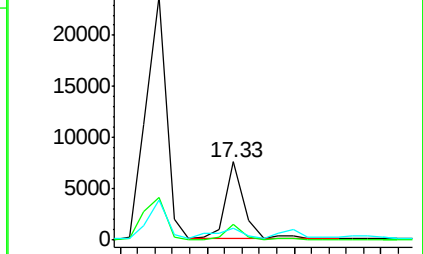
179 16.0 12.9 19.3

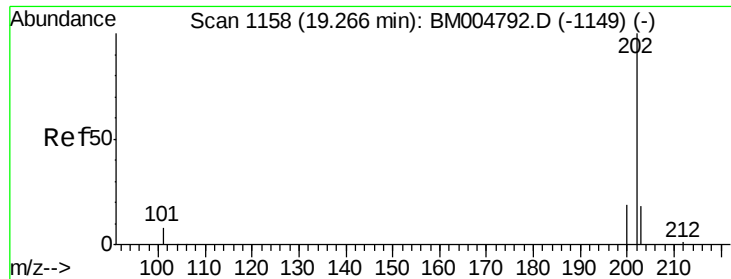


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

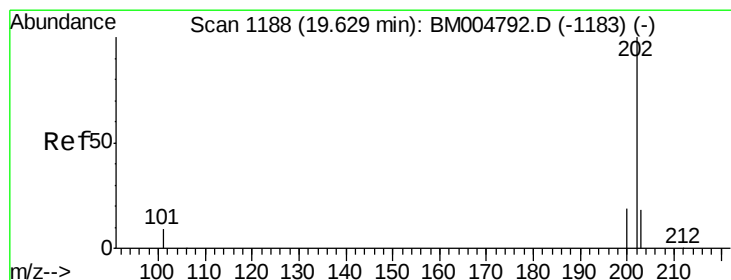
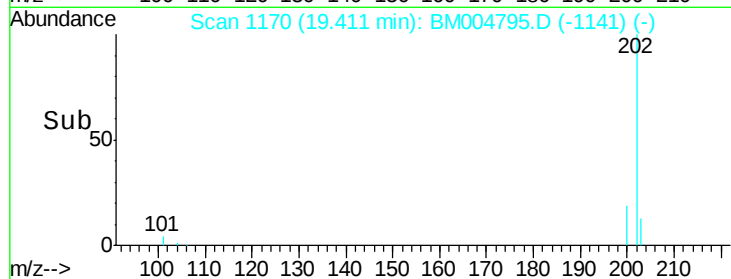
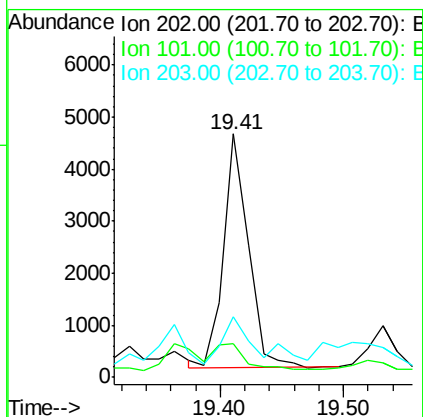
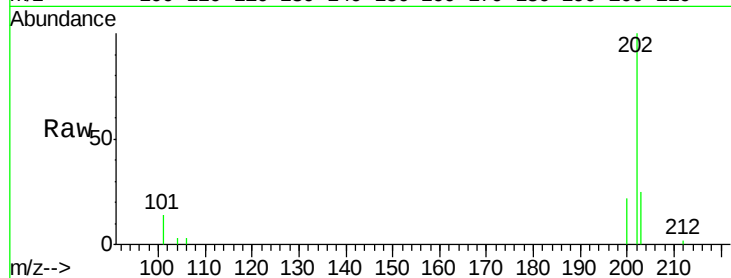




#17
Fluoranthene
Concen: 0.00 ng/u1
RT: 19.41 min Scan# 1170
Delta R.T. 0.15 min
Lab File: BM004795.D
Acq: 26 Mar 2016 02:22

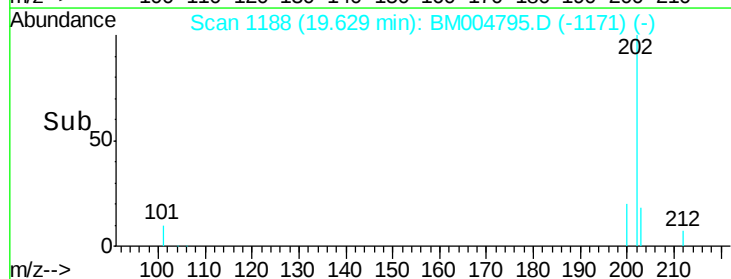
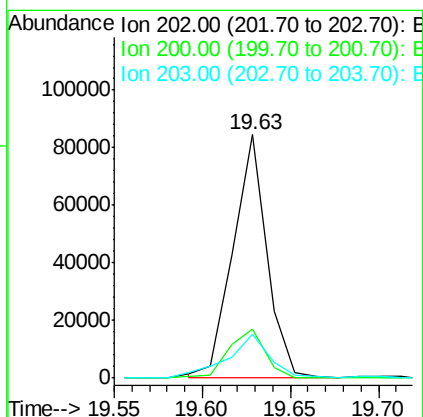
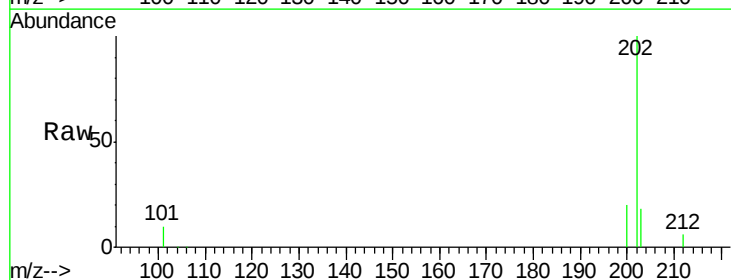
Instrument :
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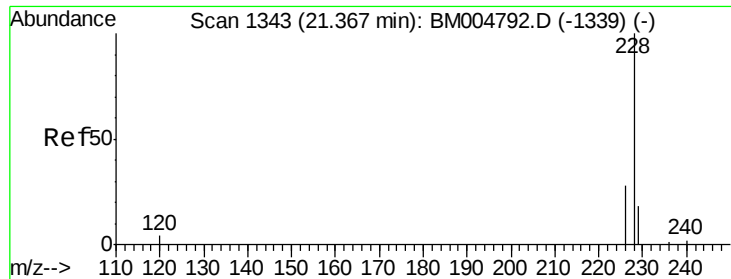
Tgt Ion:202 Resp: 6292
Ion Ratio Lower Upper
202 100
101 14.0 0.0 29.6
203 24.7 0.0 36.3



#19
Pyrene
Concen: 428.81 ng/u1
RT: 19.63 min Scan# 1188
Delta R.T. -0.00 min
Lab File: BM004795.D
Acq: 26 Mar 2016 02:22

Tgt Ion:202 Resp: 113069
Ion Ratio Lower Upper
202 100
200 19.9 17.8 26.8
203 18.3 12.8 19.2





#20

Benzo(a)anthracene

Concen: 30.17 ng/ul

RT: 21.54 min Scan# 1360

Delta R.T. 0.18 min

Lab File: BM004795.D

Acq: 26 Mar 2016 02:22

Instrument :

BNA_M

ClientSampleId :

A4T46

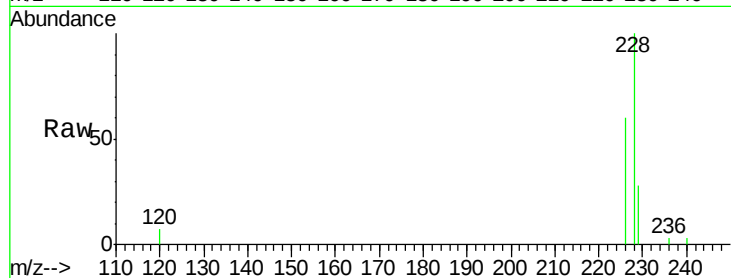
Tgt Ion:228 Resp: 7140

Ion Ratio Lower Upper

228 100

226 60.0 18.8 28.2#

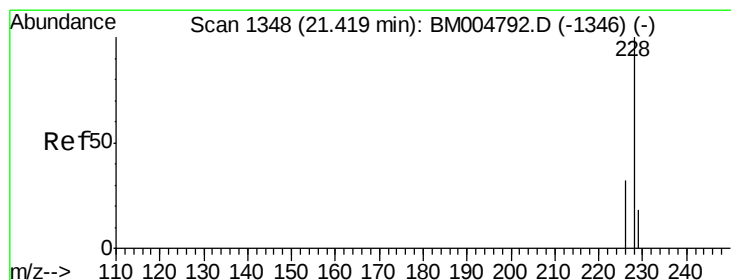
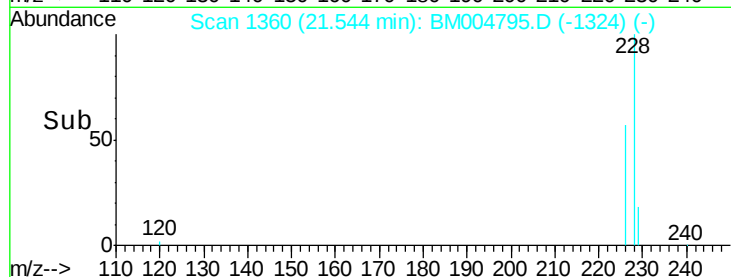
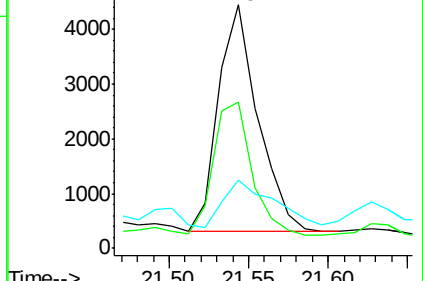
229 28.1 17.1 25.7#



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: 286.15 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. -0.00 min

Lab File: BM004795.D

Acq: 26 Mar 2016 02:22

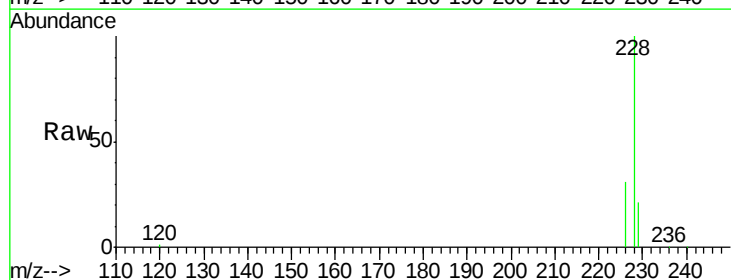
Tgt Ion:228 Resp: 65429

Ion Ratio Lower Upper

228 100

226 31.0 21.2 31.8

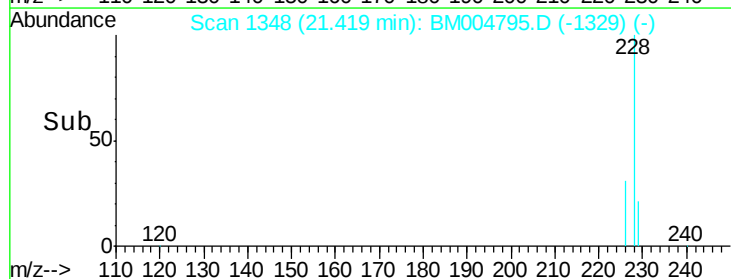
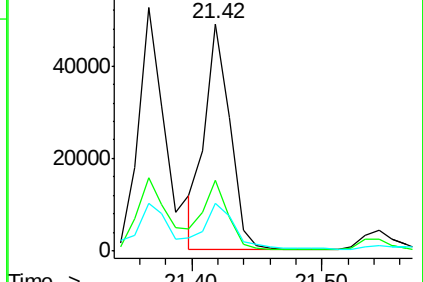
229 21.2 17.0 25.6

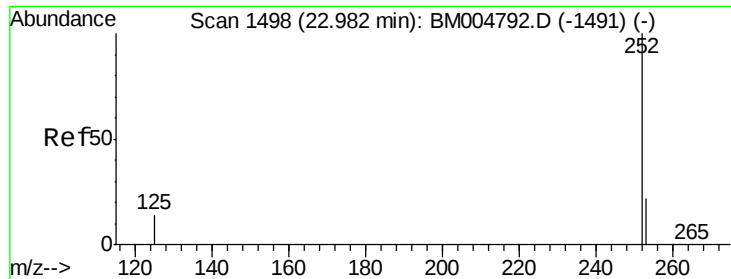


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 8.71 ng/u1

RT: 23.16 min Scan# 1515

Delta R.T. 0.18 min

Lab File: BM004795.D

Acq: 26 Mar 2016 02:22

Instrument :

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ClientSampleId :

A4T46

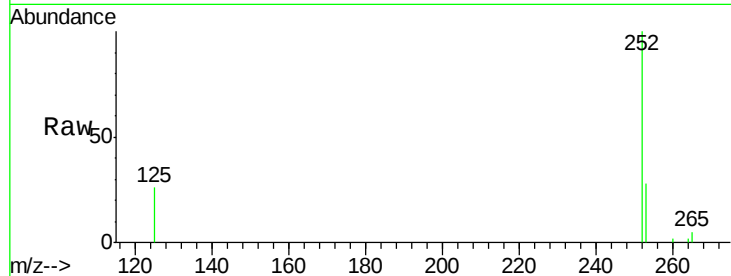
Tgt Ion:252 Resp: 14759

Ion Ratio Lower Upper

252 100

253 27.9 0.0 45.4

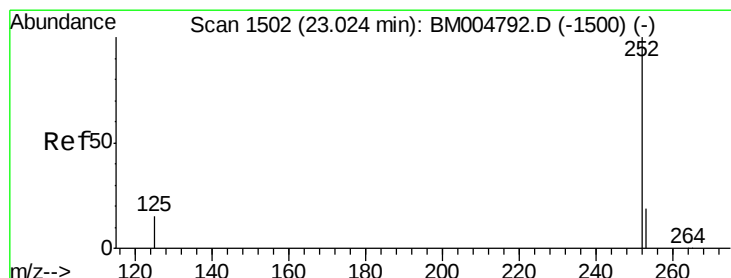
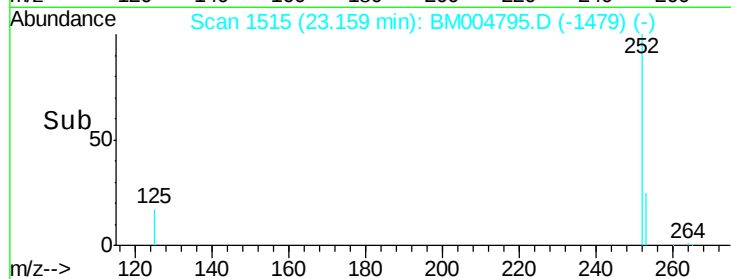
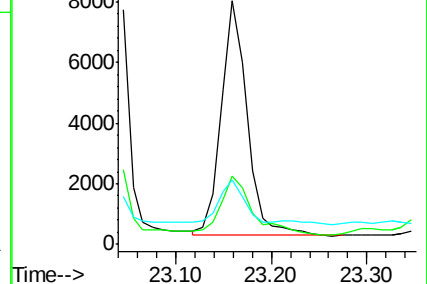
125 26.3 0.0 28.8



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: 0.72 ng/u1

RT: 23.37 min Scan# 1535

Delta R.T. 0.34 min

Lab File: BM004795.D

Acq: 26 Mar 2016 02:22

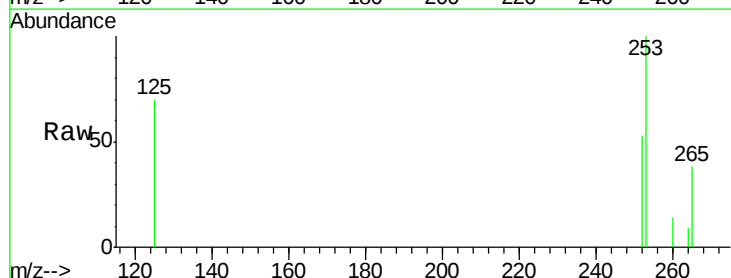
Tgt Ion:252 Resp: 1130

Ion Ratio Lower Upper

252 100

253 187.3 19.8 29.8#

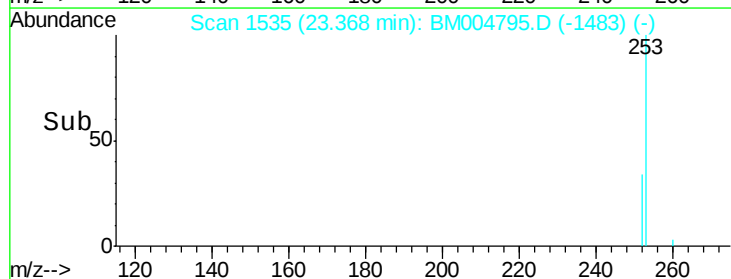
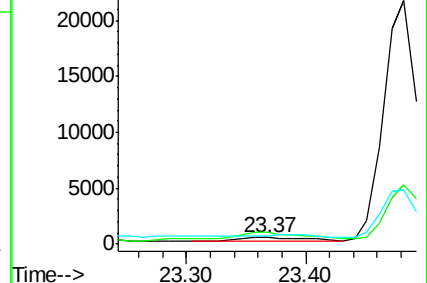
125 132.0 10.4 15.6#

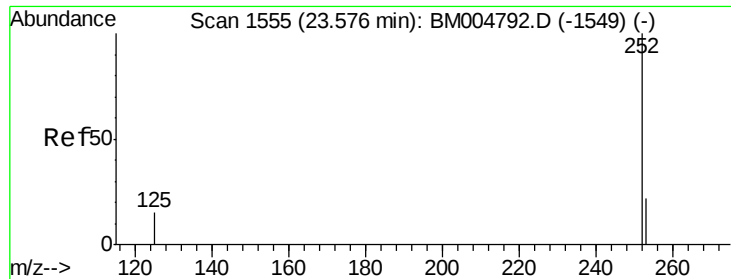


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 9.41 ng/ul

RT: 23.72 min Scan# 1569

Delta R.T. 0.15 min

Lab File: BM004795.D

Acq: 26 Mar 2016 02:22

Instrument :

BNA_M

ClientSampleId :

A4T46

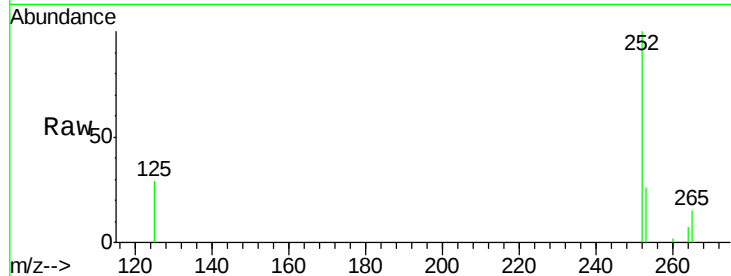
Tgt Ion: 252 Resp: 14575

Ion Ratio Lower Upper

252 100

253 26.0 19.4 29.2

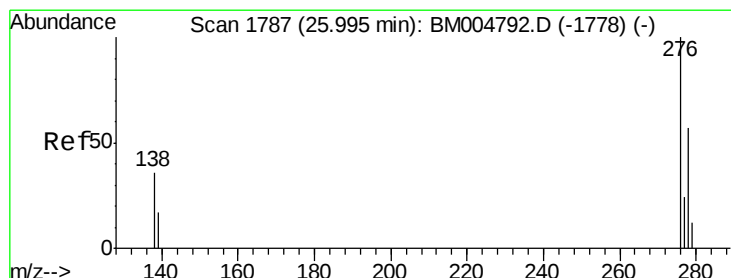
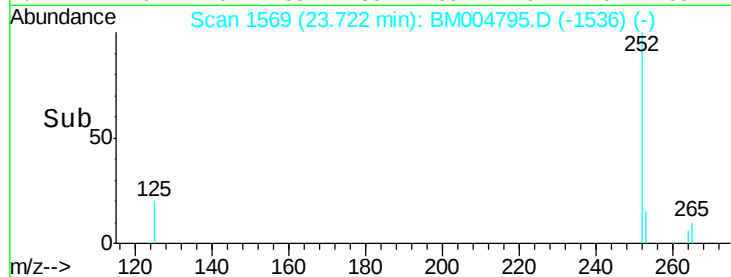
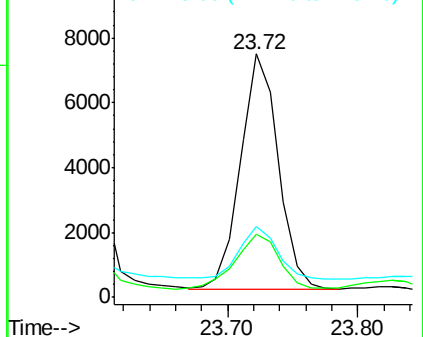
125 29.0 12.7 19.1#



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: 1.18 ng/ul

RT: 26.27 min Scan# 1813

Delta R.T. 0.27 min

Lab File: BM004795.D

Acq: 26 Mar 2016 02:22

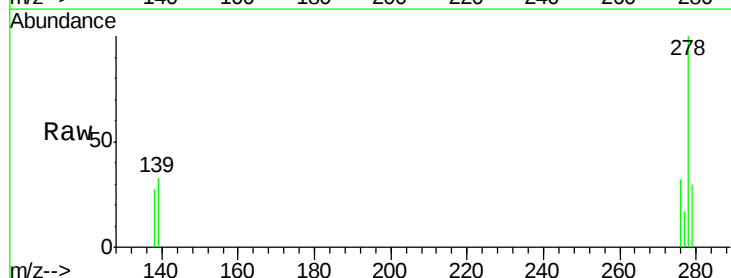
Tgt Ion: 276 Resp: 1692

Ion Ratio Lower Upper

276 100

138 67.6 16.3 24.5#

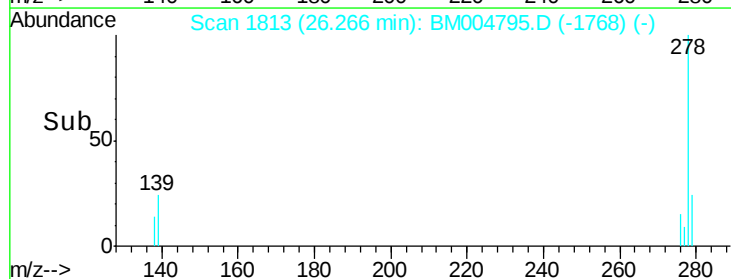
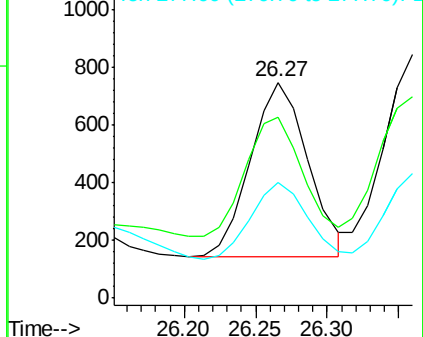
277 43.7 19.8 29.8#

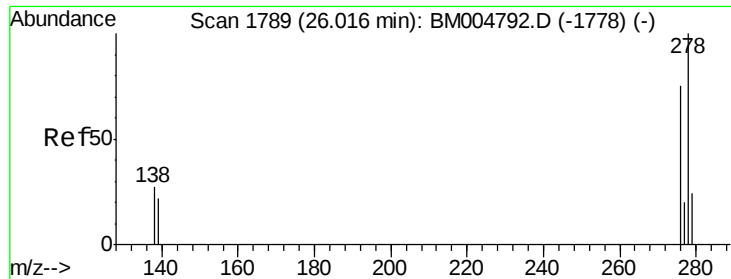


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#27

Dibenzo(a,h)anthracene

Concen: 5.76 ng/ul

RT: 26.27 min Scan# 1813

Delta R.T. 0.25 min

Lab File: BM004795.D

Acq: 26 Mar 2016 02:22

Instrument :

BNA_M

ClientSampleId :

A4T46

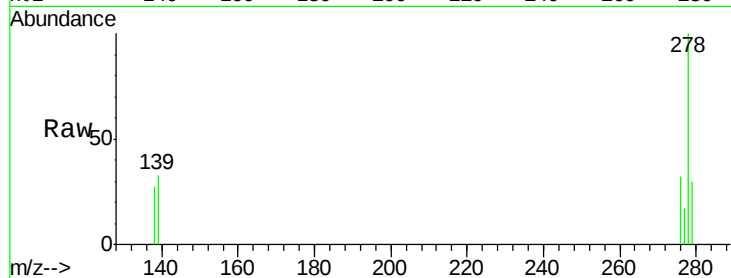
Tgt Ion: 278 Resp: 6500

Ion Ratio Lower Upper

278 100

139 32.7 16.4 24.6#

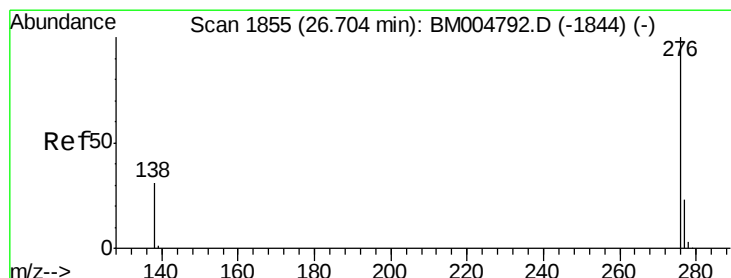
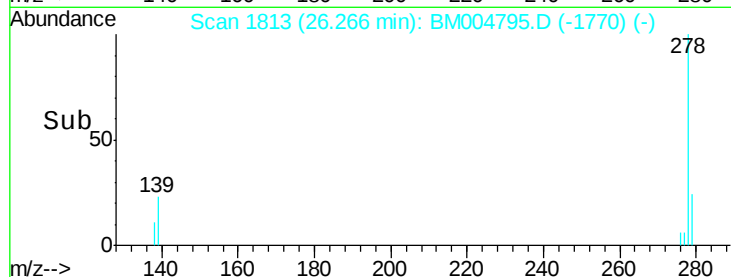
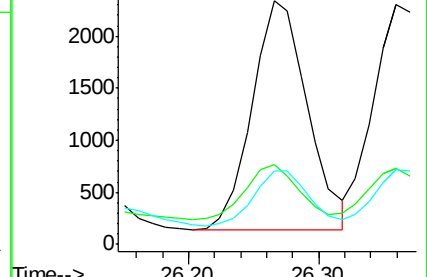
279 30.0 20.2 30.2



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



#28

Benzo(g,h,i)perylene

Concen: 0.93 ng/ul

RT: 26.93 min Scan# 1877

Delta R.T. 0.23 min

Lab File: BM004795.D

Acq: 26 Mar 2016 02:22

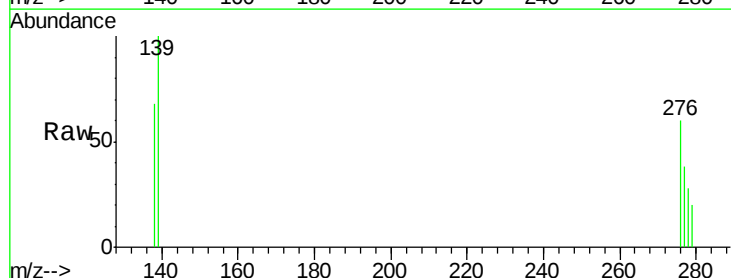
Tgt Ion: 276 Resp: 1103

Ion Ratio Lower Upper

276 100

277 62.9 18.9 28.3#

138 112.4 22.5 33.7#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

