

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM032516\
 Data File : BM004794.D
 Acq On : 26 Mar 2016 01:46
 Operator : UM/SJ
 Sample : H1909-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 A4T41

Quant Time: Mar 26 05:40:34 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	82	5.00	ng/ul	0.00
4) Naphthalene-d8	10.62	136	224	5.00	ng/ul	0.00
8) Acenaphthene-d10	14.47	164	77	5.00	ng/ul	0.00
12) Phenanthrene-d10	17.21	188	73	5.00	ng/ul	0.00
18) Chrysene-d12	21.40	240	66	5.00	ng/ul	0.01
22) Perylene-d12	23.68	264	34	5.00	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.38	96	12	0.32	ng/uL	0.06
6) 2-Methylnaphthalene-d10	12.21	152	11	0.04	ng/ul	0.00
16) Fluoranthene-d10	19.24	212	14	0.08	ng/ul	0.01

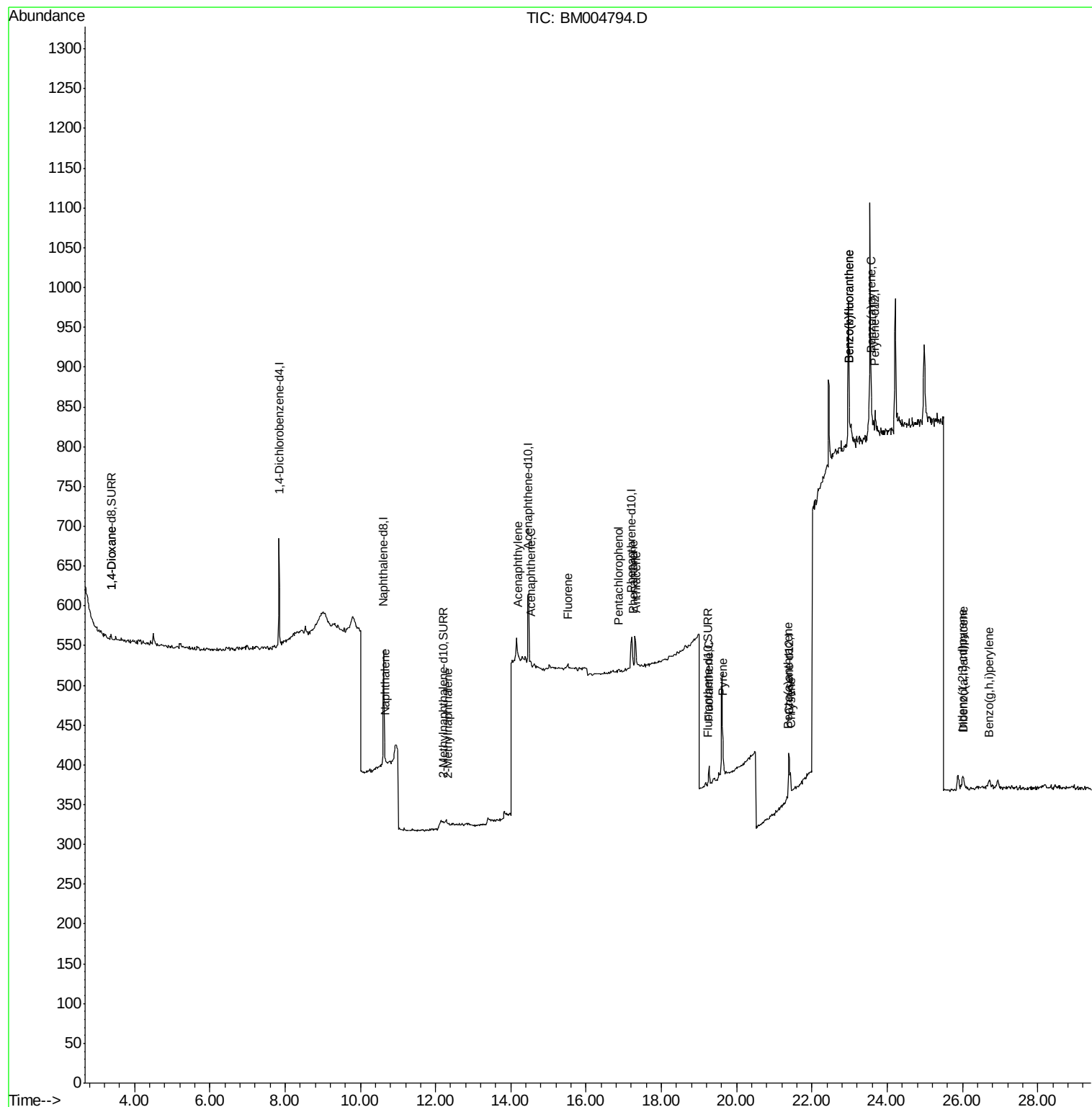
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.38	88	7	0.16	ng/ul#	73
5) Naphthalene	10.67	128	9	0.02	ng/ul#	1
7) 2-Methylnaphthalene	12.33	142	2	0.01	ng/ul	87
9) Acenaphthylene	14.18	152	29	0.08	ng/ul#	1
10) Acenaphthene	14.52	153	4	0.02	ng/ul#	65
11) Fluorene	15.51	166	6	0.02	ng/ul#	46
13) Pentachlorophenol	16.87	266	9	0.49	ng/ul#	60
14) Phenanthrene	17.24	178	17	0.08	ng/ul#	1
15) Anthracene	17.33	178	9	0.05	ng/ul#	1
17) Fluoranthene	19.27	202	30	0.13	ng/ul#	1
19) Pyrene	19.63	202	41	0.18	ng/ul#	1
20) Benzo(a)anthracene	21.38	228	29	0.14	ng/ul#	1
21) Chrysene	21.43	228	26	0.13	ng/ul#	1
23) Benzo(b)fluoranthene	22.99	252	94	0.82	ng/ul#	1
24) Benzo(k)fluoranthene	22.99	252	94	0.89	ng/ul#	1
25) Benzo(a)pyrene	23.58	252	42	0.40	ng/ul#	1
26) Indeno(1,2,3-cd)pyrene	26.01	276	26	0.27	ng/ul#	21
27) Dibenzo(a,h)anthracene	26.02	278	16	0.21	ng/ul#	1
28) Benzo(g,h,i)perylene	26.71	276	22	0.27	ng/ul#	1

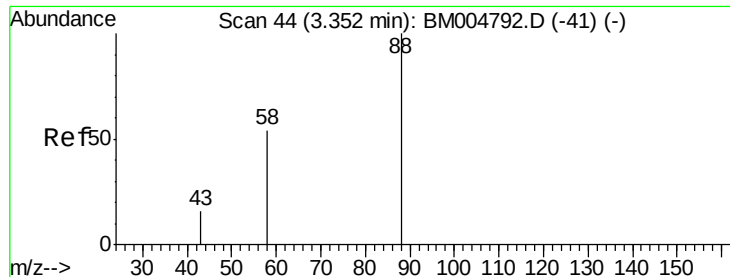
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.16 ng/ul

RT: 3.38 min Scan# 46

Delta R.T. 0.03 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

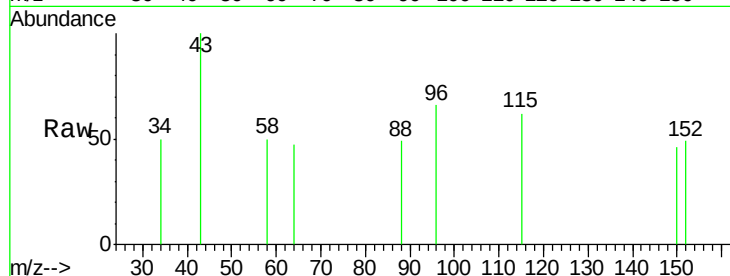
Instrument :

BNA_M

ClientSampleId :

A4T41

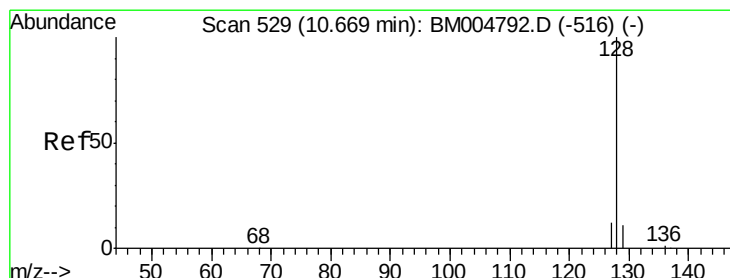
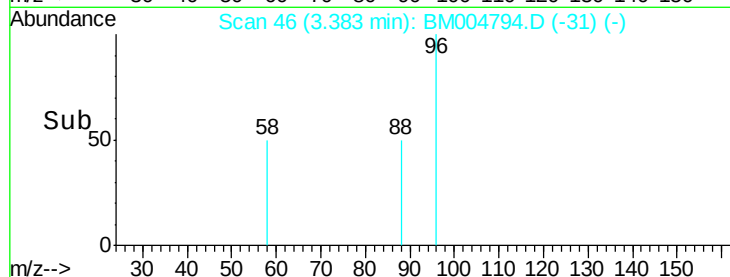
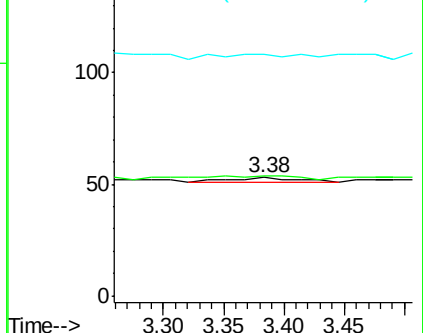
Tgt Ion:	88	Resp:	7
Ion	Ratio	Lower	Upper
88	100		
58	0.0	8.0	12.0#
43	0.0	8.0	12.0#



Abundance Ion 88.00 (87.70 to 88.70): BM004794.D (-41) (-)

Ion 58.00 (57.70 to 58.70): BM004794.D (-41) (-)

Ion 43.00 (42.70 to 43.70): BM004794.D (-41) (-)



#5

Naphthalene

Concen: 0.02 ng/ul

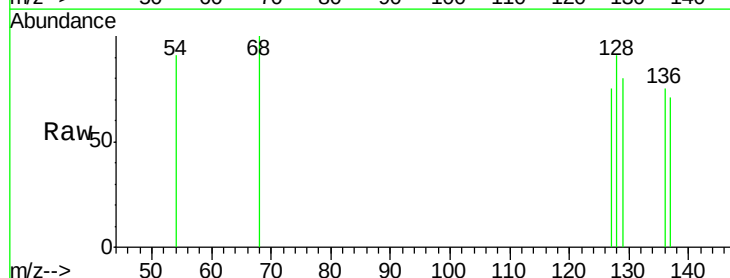
RT: 10.67 min Scan# 529

Delta R.T. 0.00 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

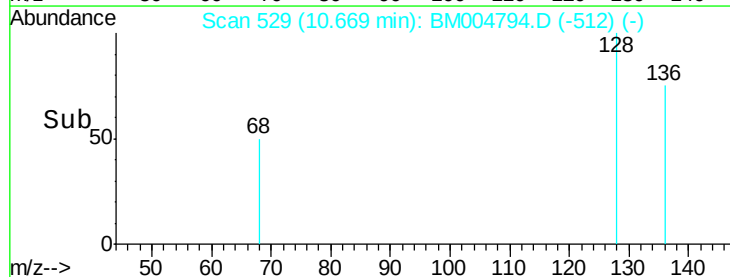
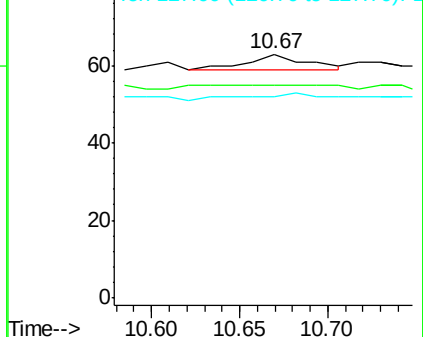
Tgt Ion:	128	Resp:	9
Ion	Ratio	Lower	Upper
128	100		
129	87.3	9.0	13.6#
127	82.5	9.6	14.4#

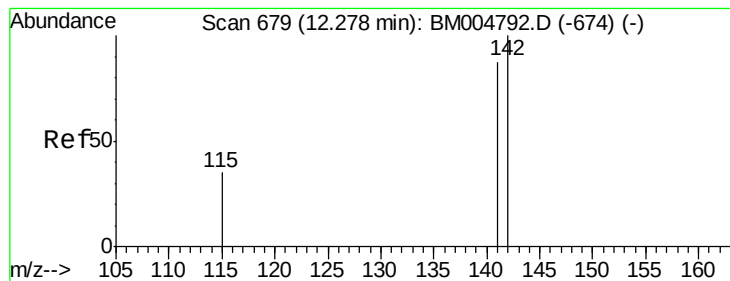


Abundance Ion 128.00 (127.70 to 128.70): BM004794.D (-516) (-)

Ion 129.00 (128.70 to 129.70): BM004794.D (-516) (-)

Ion 127.00 (126.70 to 127.70): BM004794.D (-516) (-)





#7

2-Methylnaphthalene

Concen: 0.01 ng/ul

RT: 12.33 min Scan# 684

Delta R.T. 0.05 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

Instrument :

BNA_M

ClientSampleId :

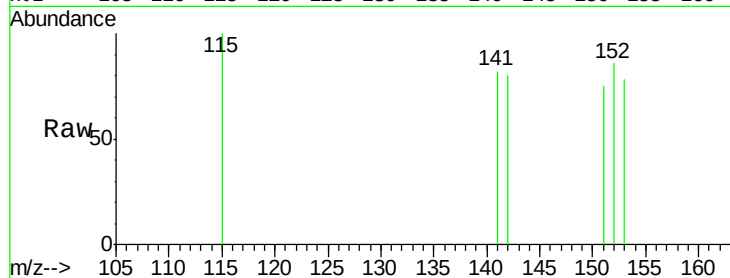
A4T41

Tgt Ion:142 Resp: 2

Ion Ratio Lower Upper

142 100

141 100.0 70.3 105.5

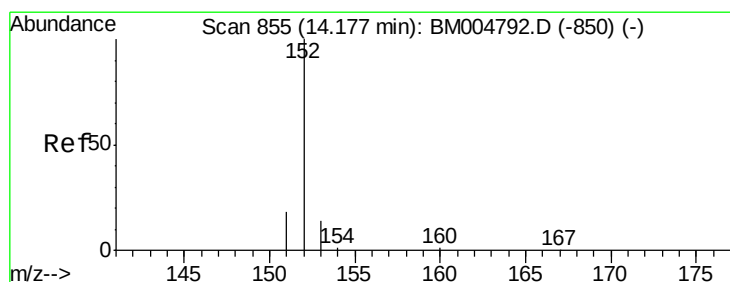
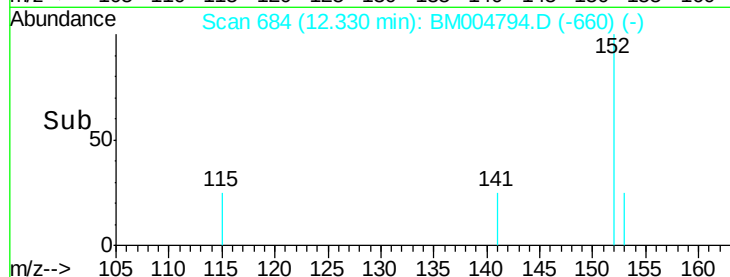


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

12.33

Time--> 12.30 12.35



#9

Acenaphthylene

Concen: 0.08 ng/ul

RT: 14.18 min Scan# 855

Delta R.T. 0.00 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

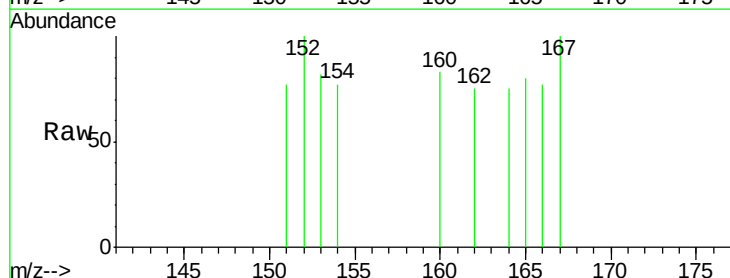
Tgt Ion:152 Resp: 29

Ion Ratio Lower Upper

152 100

151 76.9 17.6 26.4#

153 81.5 9.7 14.5#



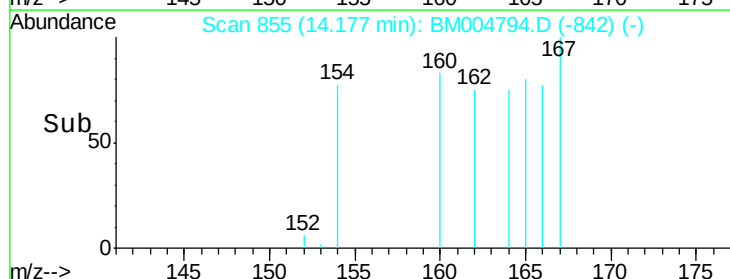
Abundance Ion 152.00 (151.70 to 152.70): E

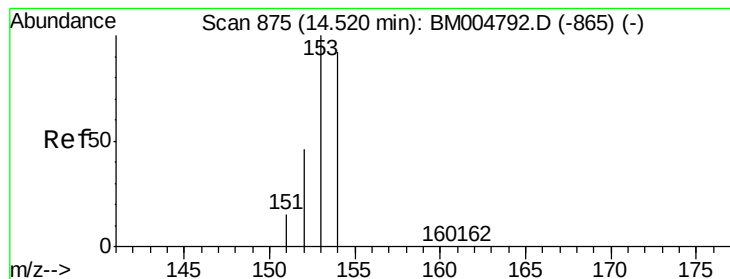
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

14.18

Time--> 14.00 14.20





#10

Acenaphthene

Concen: 0.02 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.00 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

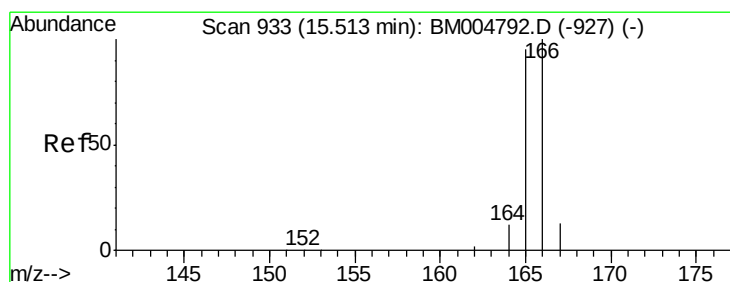
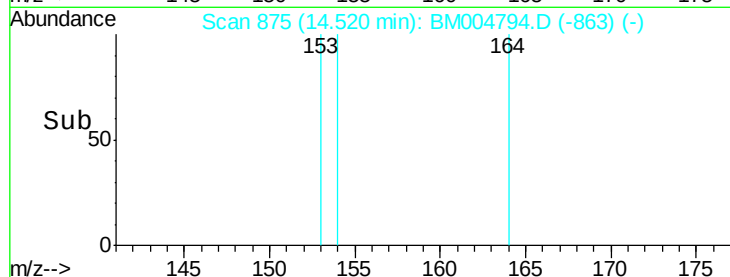
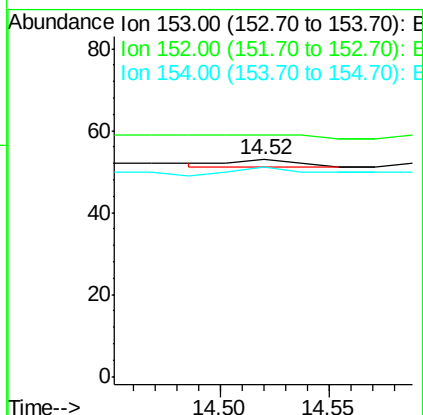
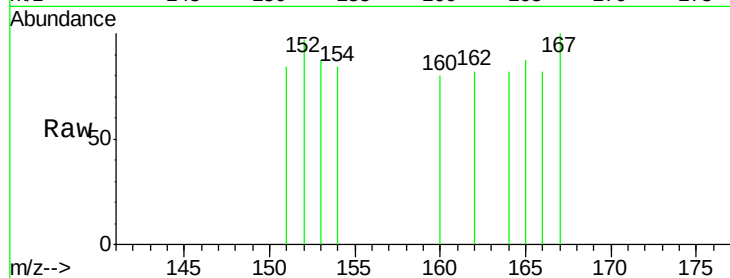
Instrument :

BNA_M

ClientSampleId :

A4T41

Tgt Ion:	153	Resp:	4
Ion	Ratio	Lower	Upper
153	100		
152	111.3	33.9	50.9#
154	96.2	80.6	121.0



#11

Fluorene

Concen: 0.02 ng/ul

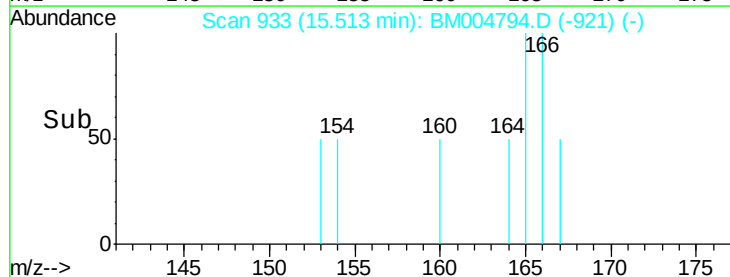
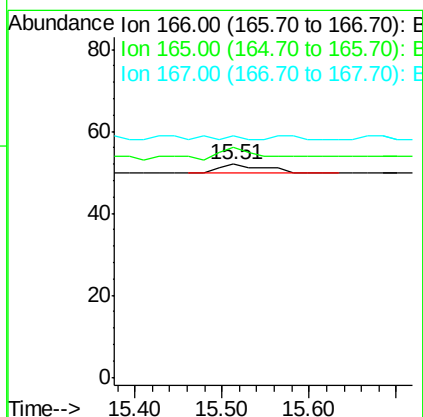
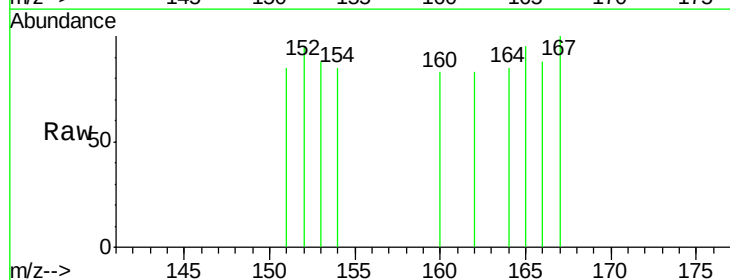
RT: 15.51 min Scan# 933

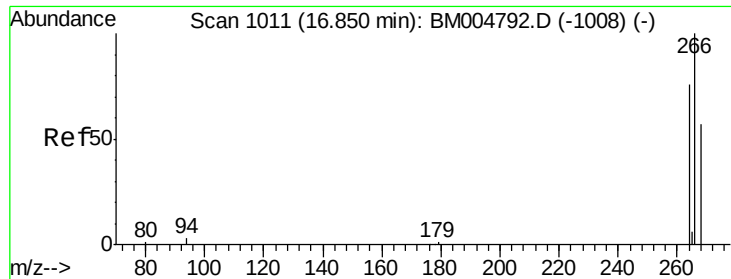
Delta R.T. 0.00 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

Tgt Ion:	166	Resp:	6
Ion	Ratio	Lower	Upper
166	100		
165	107.7	69.6	104.4#
167	113.5	11.9	17.9#

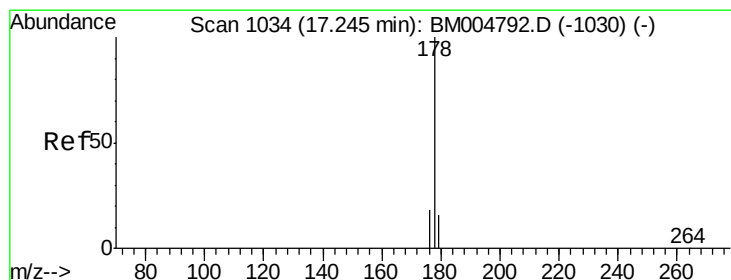
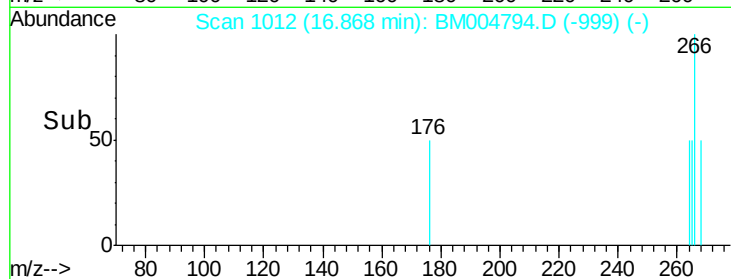
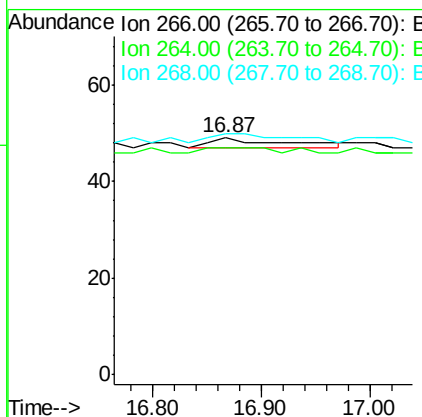
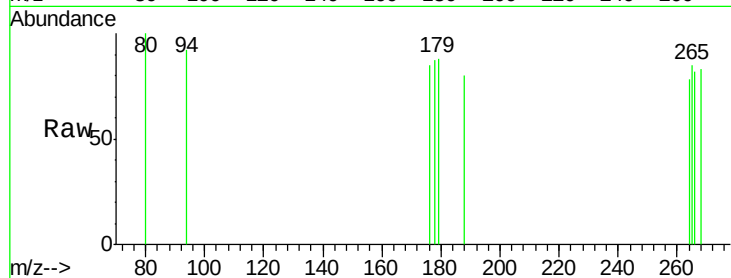




#13
 Pentachlorophenol
 Concen: 0.49 ng/ul
 RT: 16.87 min Scan# 1012
 Delta R.T. 0.02 min
 Lab File: BM004794.D
 Acq: 26 Mar 2016 01:46

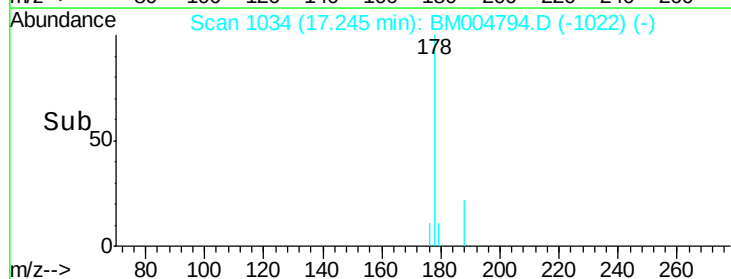
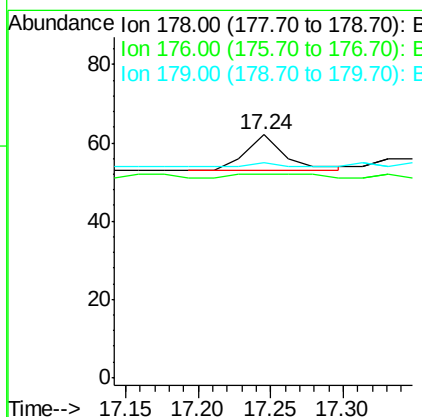
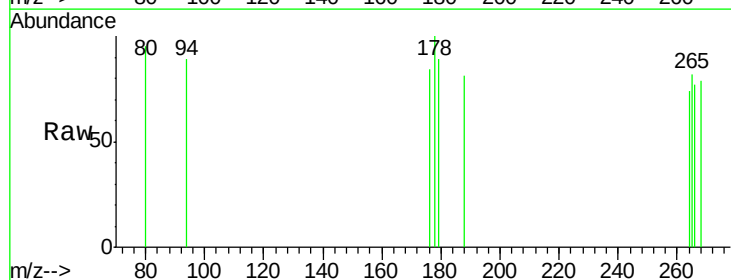
Instrument :
 BNA_M
 ClientSampleId :
 A4T41

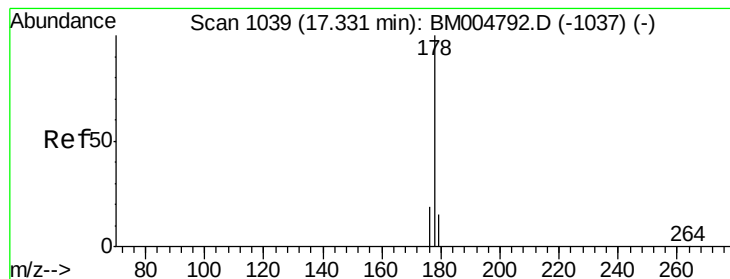
Tgt Ion: 266 Resp: 9
 Ion Ratio Lower Upper
 266 100
 264 55.6 51.8 77.8
 268 111.1 46.8 70.2#



#14
 Phenanthrene
 Concen: 0.08 ng/ul
 RT: 17.24 min Scan# 1034
 Delta R.T. 0.00 min
 Lab File: BM004794.D
 Acq: 26 Mar 2016 01:46

Tgt Ion: 178 Resp: 17
 Ion Ratio Lower Upper
 178 100
 176 83.9 13.0 19.4#
 179 88.7 14.2 21.2#





#15

Anthracene

Concen: 0.05 ng/ul

RT: 17.33 min Scan# 1039

Delta R.T. 0.00 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

Instrument :

BNA_M

ClientSampleId :

A4T41

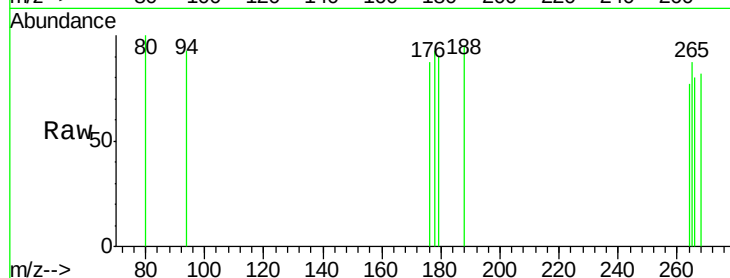
Tgt Ion:178 Resp: 9

Ion Ratio Lower Upper

178 100

176 92.9 14.0 21.0#

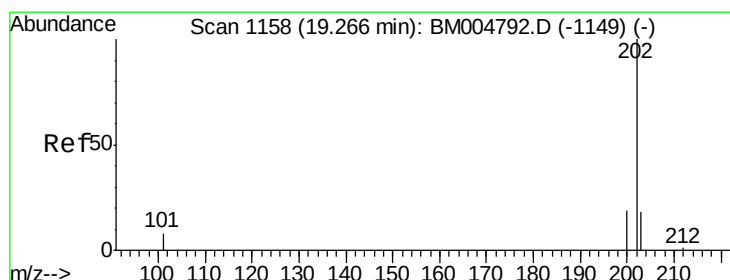
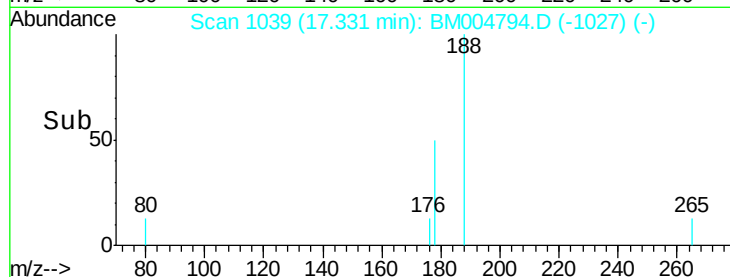
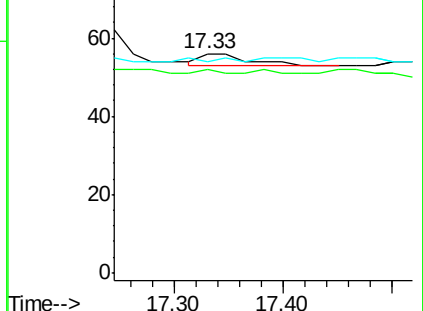
179 96.4 12.9 19.3#



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: 0.13 ng/ul

RT: 19.27 min Scan# 1158

Delta R.T. 0.00 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

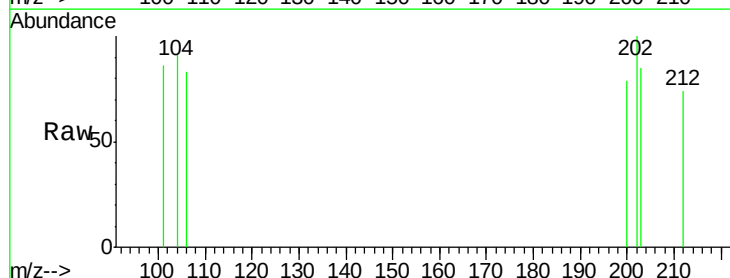
Tgt Ion:202 Resp: 30

Ion Ratio Lower Upper

202 100

101 86.4 0.0 29.6#

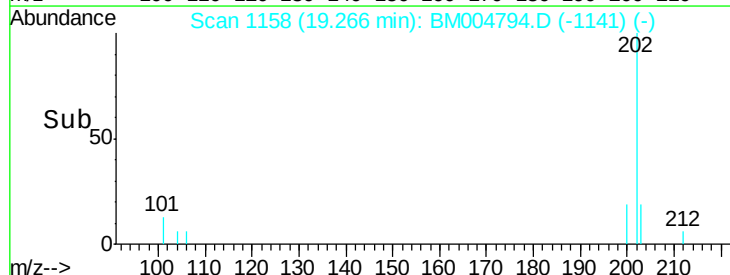
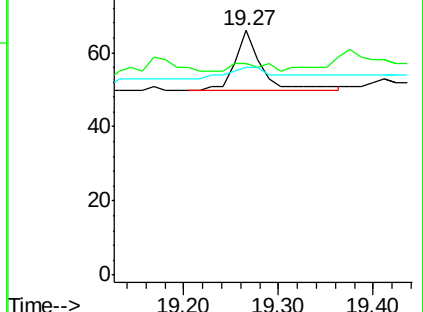
203 84.8 0.0 36.3#

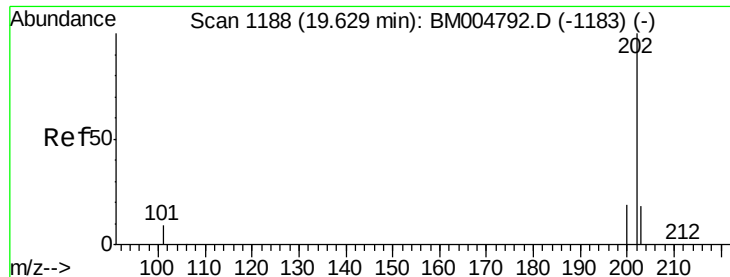


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.18 ng/ul

RT: 19.63 min Scan# 1188

Delta R.T. 0.00 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

Instrument :

BNA_M

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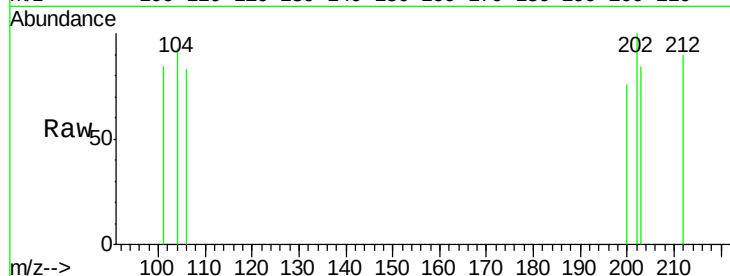
Tgt Ion:202 Resp: 41

Ion Ratio Lower Upper

202 100

200 75.7 17.8 26.8#

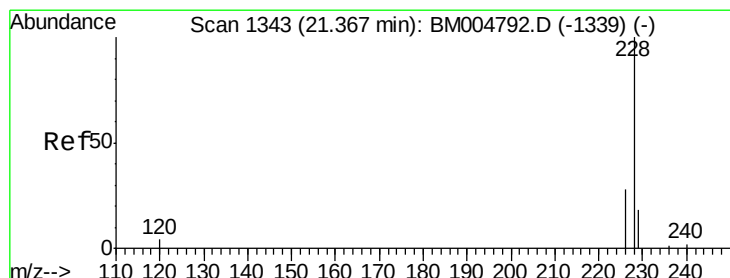
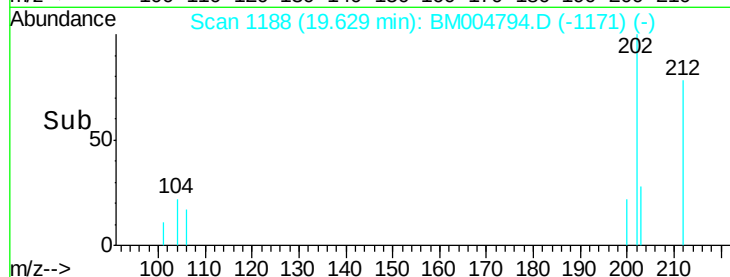
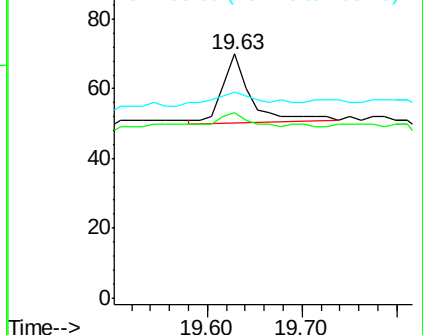
203 84.3 12.8 19.2#



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: 0.14 ng/ul

RT: 21.38 min Scan# 1344

Delta R.T. 0.01 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

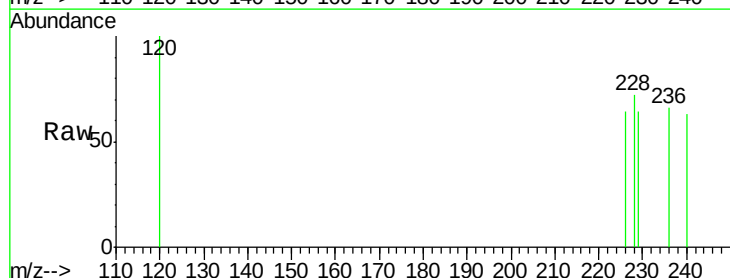
Tgt Ion:228 Resp: 29

Ion Ratio Lower Upper

228 100

226 89.2 18.8 28.2#

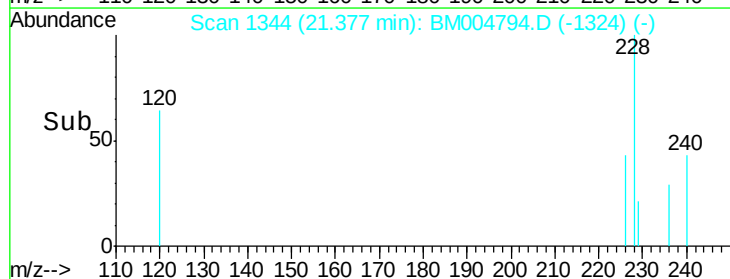
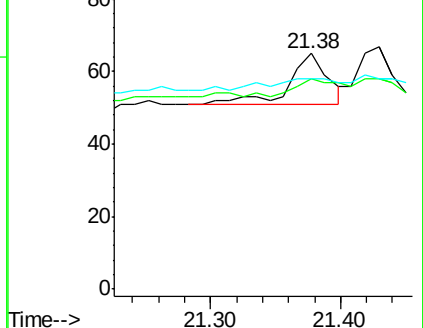
229 89.2 17.1 25.7#

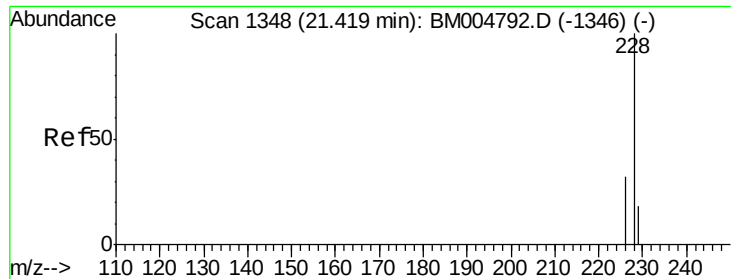


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.13 ng/ul

RT: 21.43 min Scan# 1349

Delta R.T. 0.01 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

Instrument :

BNA_M

ClientSampleId :

A4T41

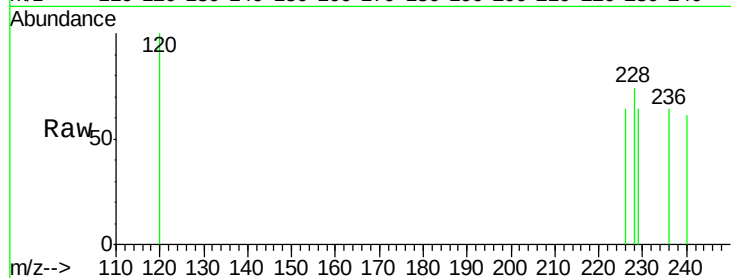
Tgt Ion:228 Resp: 26

Ion Ratio Lower Upper

228 100

226 86.6 21.2 31.8#

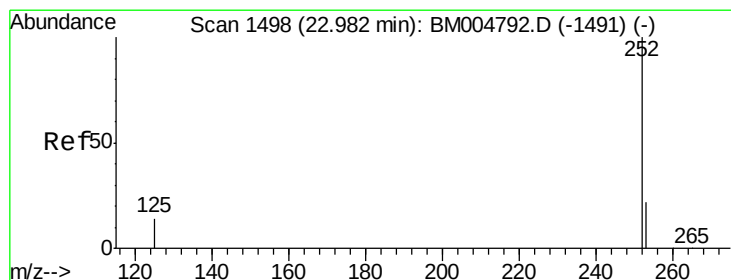
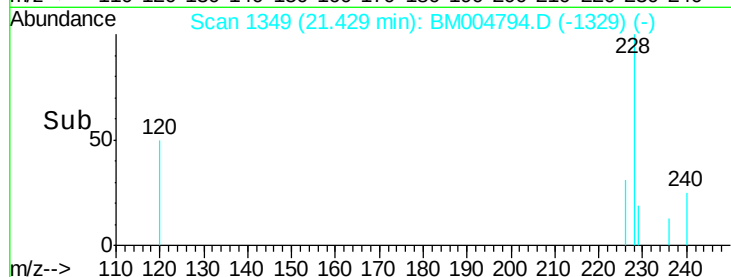
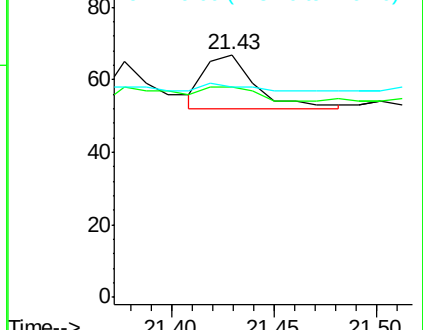
229 86.6 17.0 25.6#



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: 0.82 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. 0.01 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

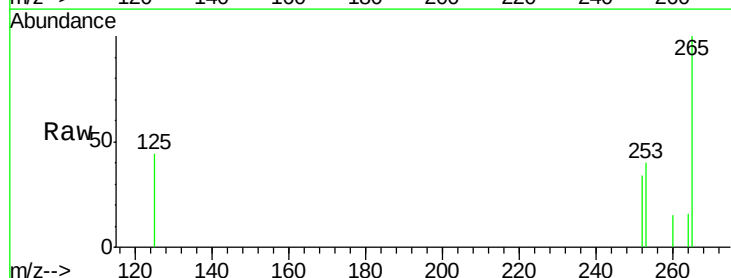
Tgt Ion:252 Resp: 94

Ion Ratio Lower Upper

252 100

253 120.2 0.0 45.4#

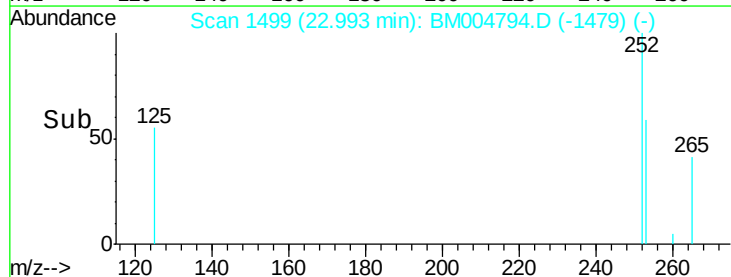
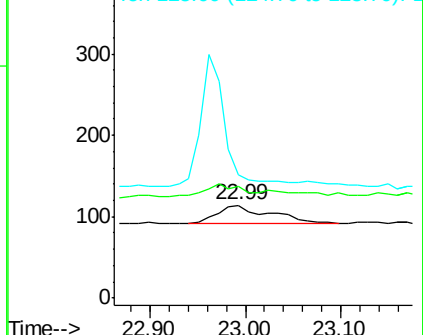
125 132.5 0.0 28.8#

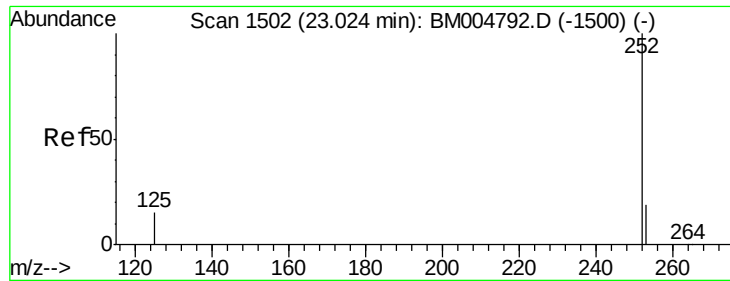


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.89 ng/ul

RT: 22.99 min Scan# 1499

Delta R.T. -0.03 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

Instrument :

BNA_M

ClientSampleId :

A4T41

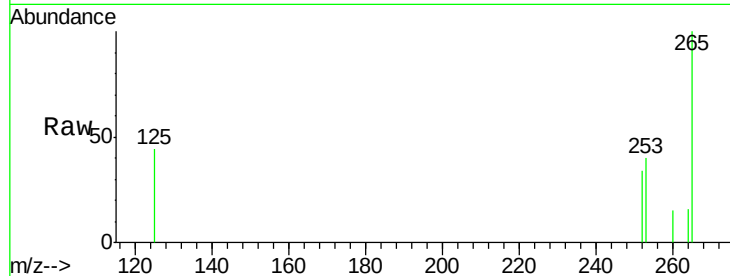
Tgt Ion:252 Resp: 94

Ion Ratio Lower Upper

252 100

253 120.2 19.8 29.8#

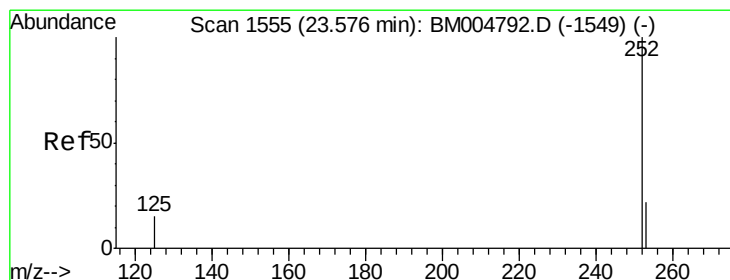
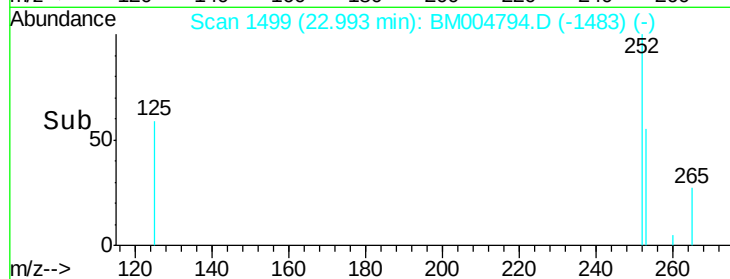
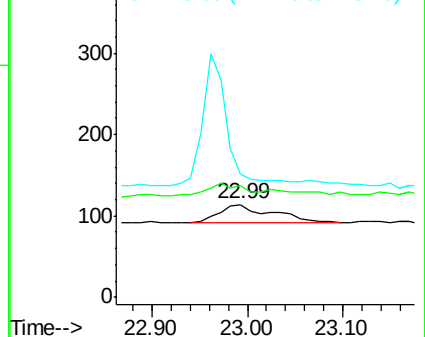
125 132.5 10.4 15.6#



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: 0.40 ng/ul

RT: 23.58 min Scan# 1555

Delta R.T. 0.00 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

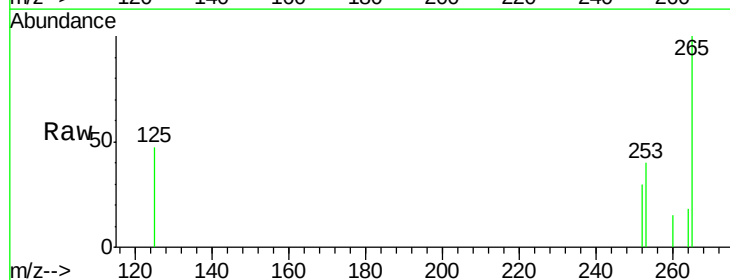
Tgt Ion:252 Resp: 42

Ion Ratio Lower Upper

252 100

253 133.0 19.4 29.2#

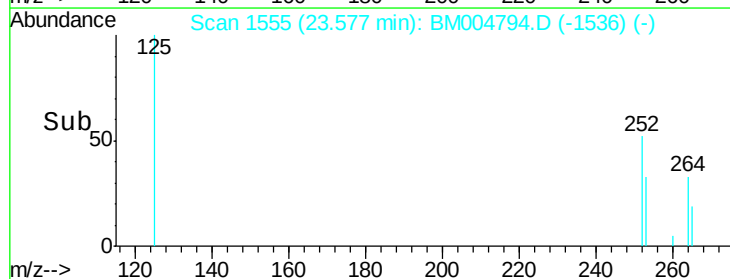
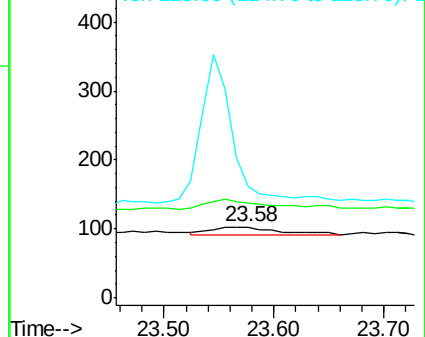
125 157.3 12.7 19.1#

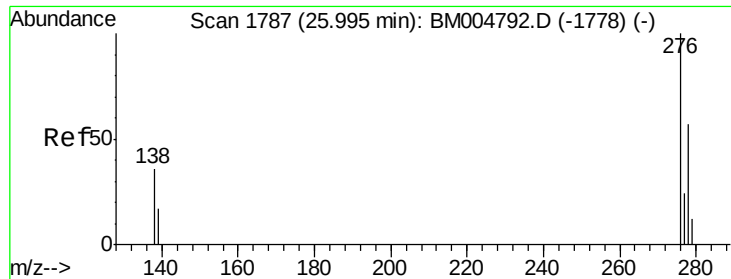


Abundance Ion 252.00 (251.70 to 252.70): E

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: 0.27 ng/ul

RT: 26.01 min Scan# 1788

Delta R.T. 0.01 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

Instrument :

BNA_M

ClientSampleId :

A4T41

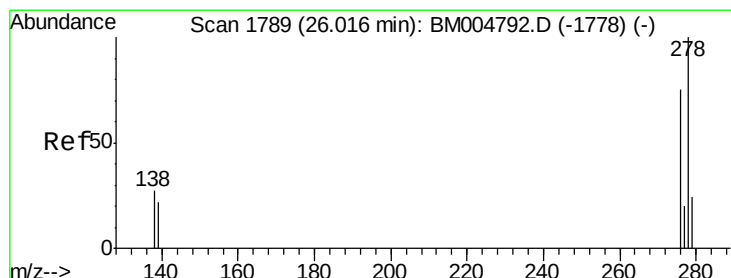
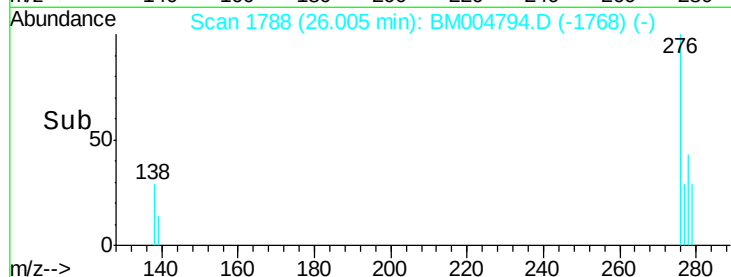
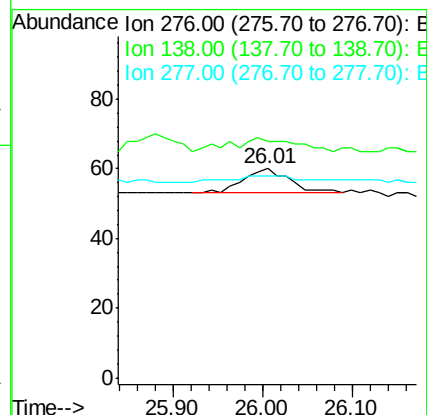
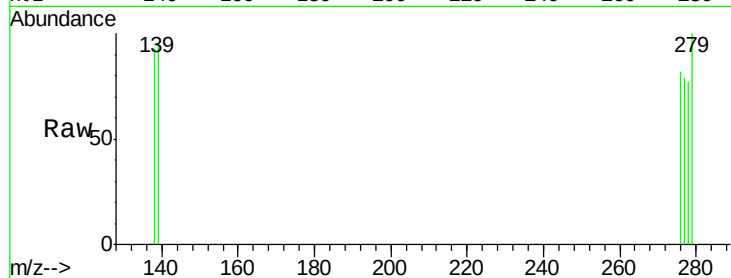
Tgt Ion:276 Resp: 26

Ion Ratio Lower Upper

276 100

138 73.1 16.3 24.5#

277 0.0 19.8 29.8#



#27

Dibenzo(a,h)anthracene

Concen: 0.21 ng/ul

RT: 26.02 min Scan# 1789

Delta R.T. 0.00 min

Lab File: BM004794.D

Acq: 26 Mar 2016 01:46

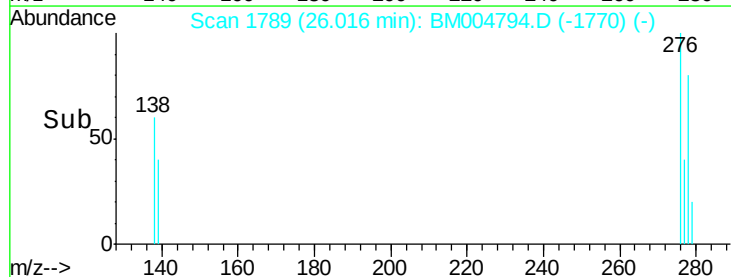
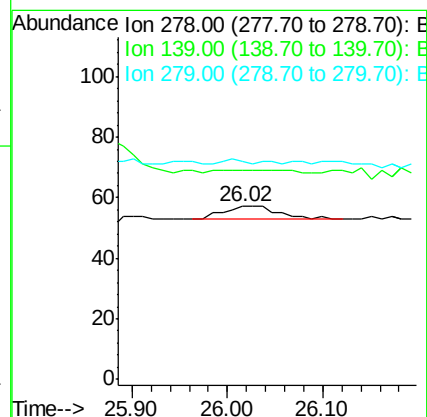
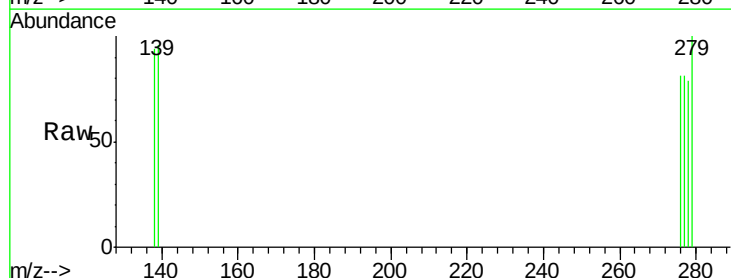
Tgt Ion:278 Resp: 16

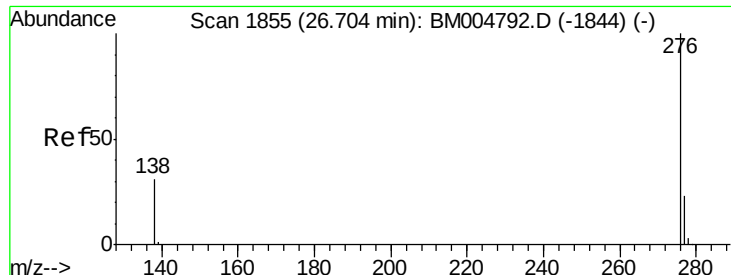
Ion Ratio Lower Upper

278 100

139 121.1 16.4 24.6#

279 126.3 20.2 30.2#





#28

Benzo(g,h,i)perylene

Concen: 0.27 ng/ul

RT: 26.71 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BM004794.D

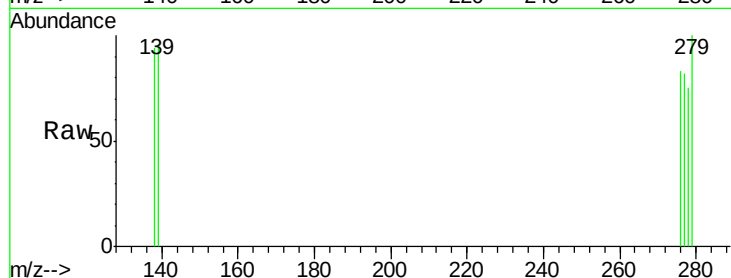
Acq: 26 Mar 2016 01:46

Instrument :

BNA_M

ClientSampleId :

A4T41



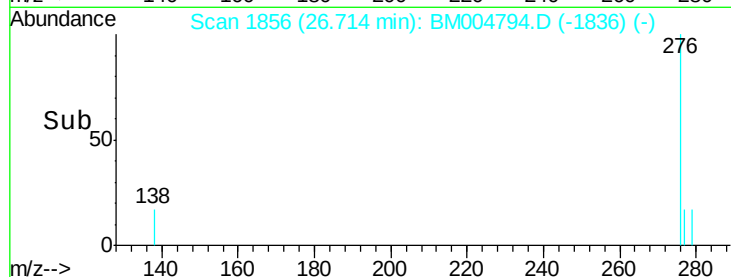
Tgt Ion: 276 Resp: 22

Ion Ratio Lower Upper

276 100

277 98.3 18.9 28.3#

138 113.6 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

