

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM040816\
 Data File : BM004929.D
 Acq On : 08 Apr 2016 13:55
 Operator : UM/SJ
 Sample : H2275-16
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9T87

Quant Time: Apr 09 01:21:21 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 Apr 09 01:17:35 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	50466	0.40	ng/ul	0.00
4) Naphthalene-d8	10.61	136	209499	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	111556	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.19	188	255087	0.40	ng/ul	0.00
18) Chrysene-d12	21.39	240	252252	0.40	ng/ul	0.00
22) Perylene-d12	23.68	264	235357	0.40	ng/ul	0.00

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.29	96	8303	0.37	ng/uL	-0.02
6) 2-Methylnaphthalene-d10	12.21	152	2004	0.01	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	5862	0.01	ng/ul	0.00

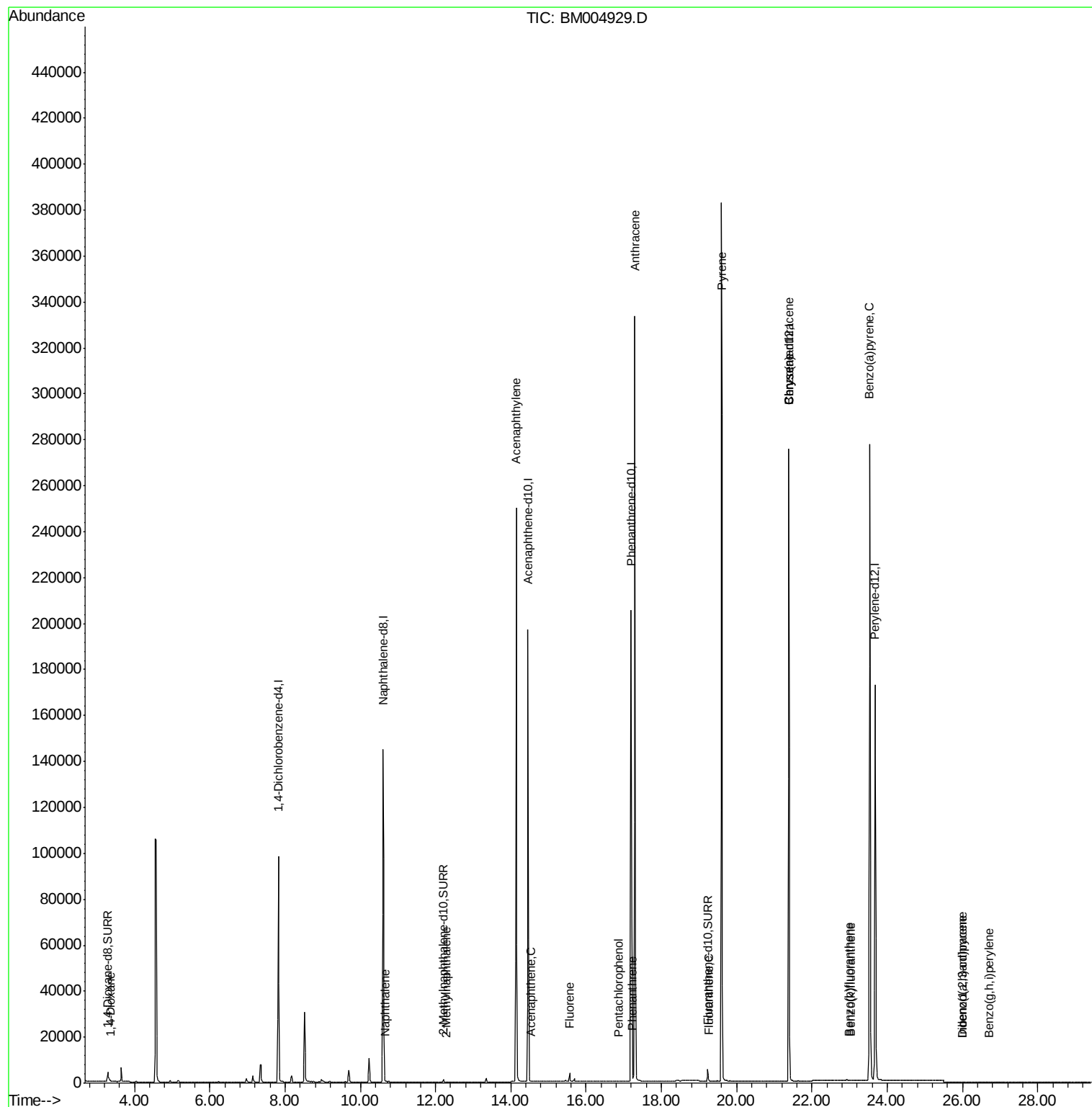
Target Compounds				Qvalue		
3) 1,4-Dioxane	3.35	88	482	0.02	ng/ul#	15
5) Naphthalene	10.66	128	310	0.00	ng/ul#	42
7) 2-Methylnaphthalene	12.28	142	77	0.00	ng/ul#	79
9) Acenaphthylene	14.14	152	49	0.00	ng/ul#	1
10) Acenaphthene	14.52	153	101	0.00	ng/ul#	78
11) Fluorene	15.56	166	60	0.00	ng/ul#	1
13) Pentachlorophenol	16.85	266	14	0.00	ng/ul#	75
14) Phenanthrene	17.23	178	1447	0.00	ng/ul#	74
15) Anthracene	17.30	178	200	0.00	ng/ul#	1
17) Fluoranthene	19.25	202	640	0.00	ng/ul#	42
19) Pyrene	19.59	202	1058	0.00	ng/ul#	1
20) Benzo(a)anthracene	21.39	228	937	0.00	ng/ul#	74
21) Chrysene	21.39	228	937	0.00	ng/ul#	72
23) Benzo(b)fluoranthene	22.98	252	74	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	23.02	252	34	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.53	252	1510	0.00	ng/ul#	24
26) Indeno(1,2,3-cd)pyrene	26.01	276	61	0.00	ng/ul#	63
27) Dibenzo(a,h)anthracene	26.01	278	40	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	26.71	276	41	0.00	ng/ul#	1

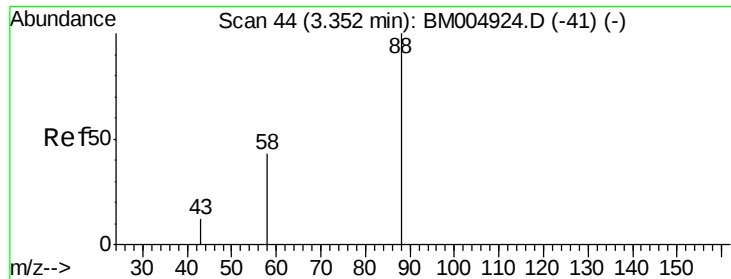
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

1,4-Dioxane

Concen: 0.02 ng/ul

RT: 3.35 min Scan# 44

Delta R.T. 0.00 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

Instrument :

BNA_M

ClientSampleId :

D9T87

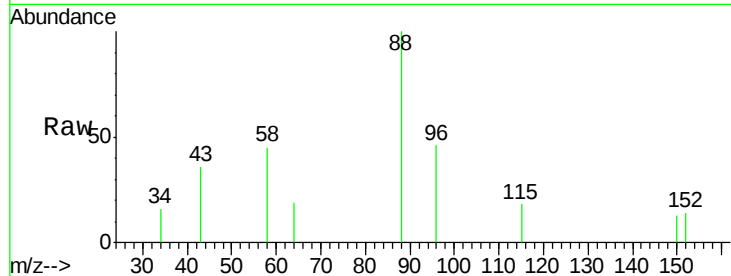
Tgt Ion: 88 Resp: 482

Ion Ratio Lower Upper

88 100

58 51.5 8.0 12.0#

43 31.7 8.0 12.0#



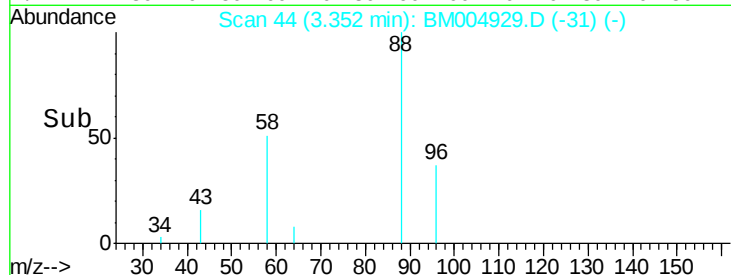
Abundance Ion 88.00 (87.70 to 88.70): BM004924.D (-41) (-)

Ion 58.00 (57.70 to 58.70): BM004924.D (-41) (-)

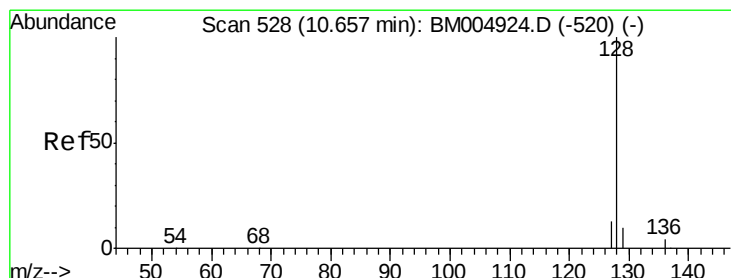
Ion 43.00 (42.70 to 43.70): BM004924.D (-41) (-)

Time-->

3.30 3.40 3.50



Time-->



#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.66 min Scan# 528

Delta R.T. 0.00 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

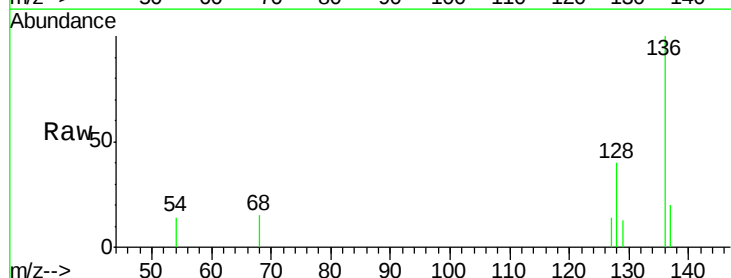
Tgt Ion: 128 Resp: 310

Ion Ratio Lower Upper

128 100

129 32.5 9.0 13.6#

127 35.5 9.6 14.4#



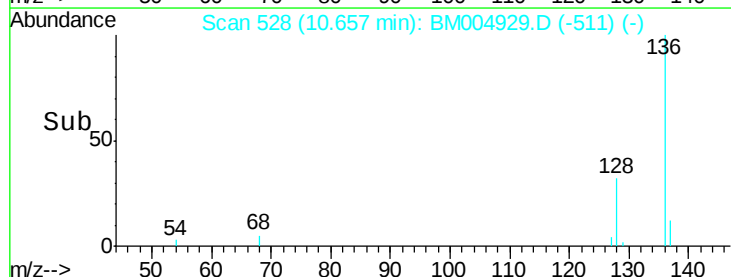
Abundance Ion 128.00 (127.70 to 128.70): BM004924.D (-520) (-)

Ion 129.00 (128.70 to 129.70): BM004924.D (-520) (-)

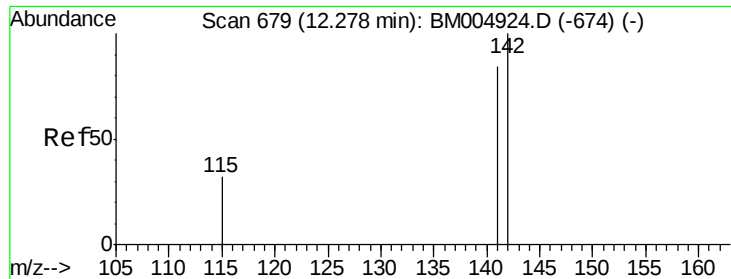
Ion 127.00 (126.70 to 127.70): BM004924.D (-520) (-)

Time-->

10.60 10.70



Time-->



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.28 min Scan# 679

Delta R.T. 0.00 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

Instrument :

BNA_M

ClientSampleId :

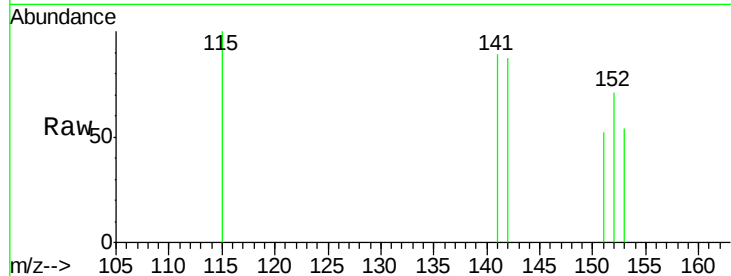
D9T87

Tgt Ion:142 Resp: 77

Ion Ratio Lower Upper

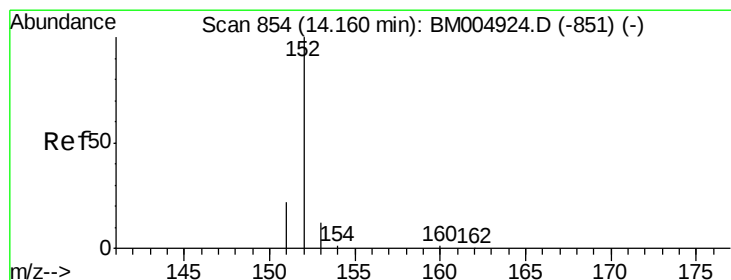
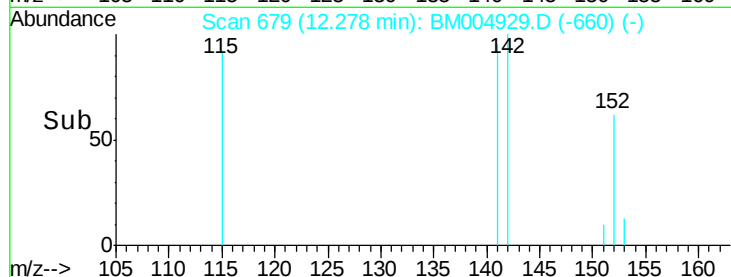
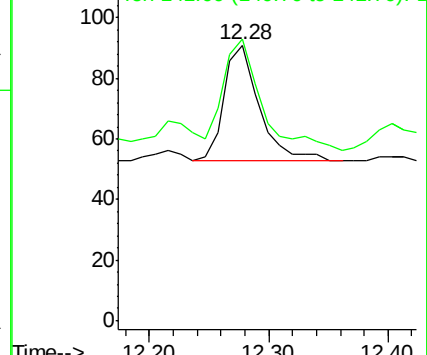
142 100

141 107.8 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: 0.00 ng/ul

RT: 14.14 min Scan# 853

Delta R.T. -0.02 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

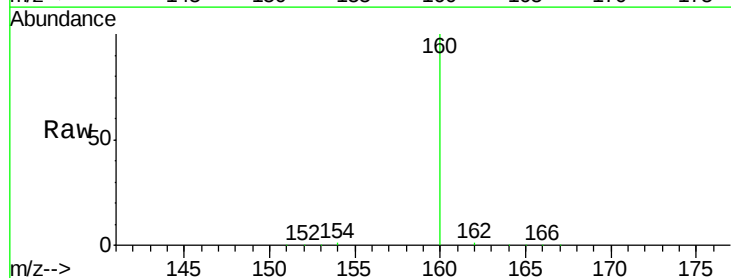
Tgt Ion:152 Resp: 49

Ion Ratio Lower Upper

152 100

151 94.5 17.6 26.4#

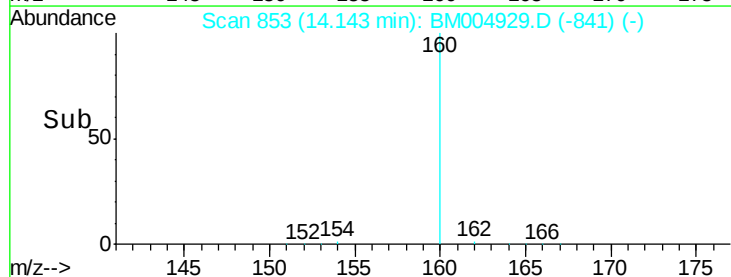
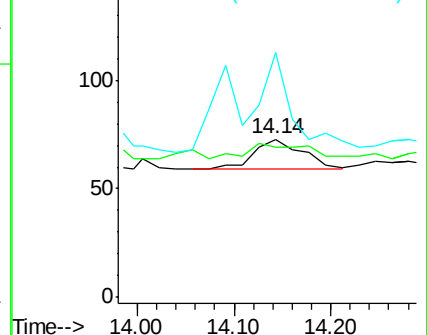
153 154.8 9.7 14.5#

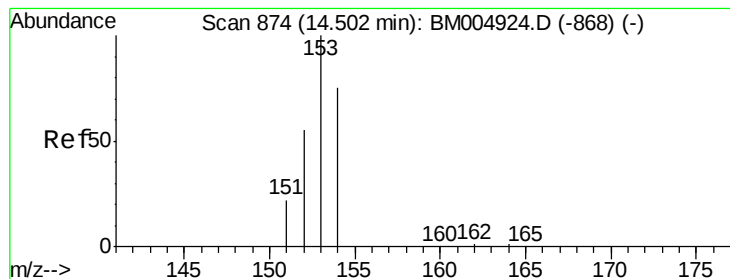


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.52 min Scan# 875

Delta R.T. 0.02 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

Instrument :

BNA_M

ClientSampleId :

D9T87

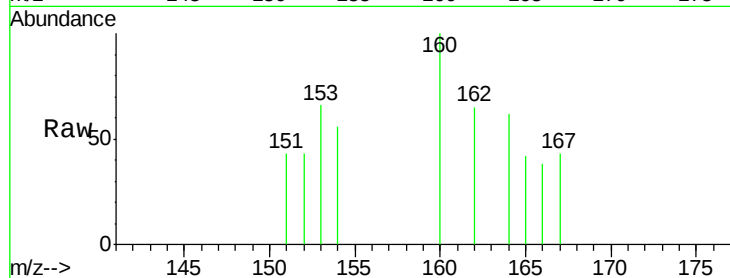
Tgt Ion:153 Resp: 101

Ion Ratio Lower Upper

153 100

152 64.9 33.9 50.9#

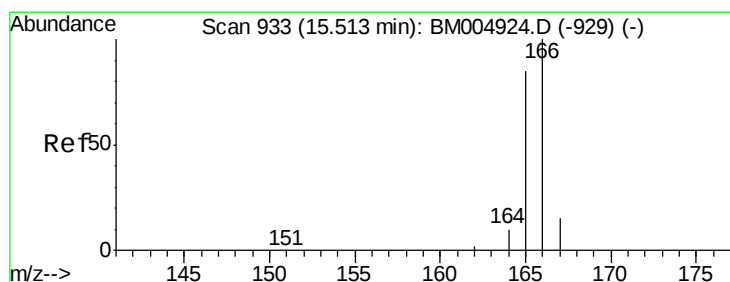
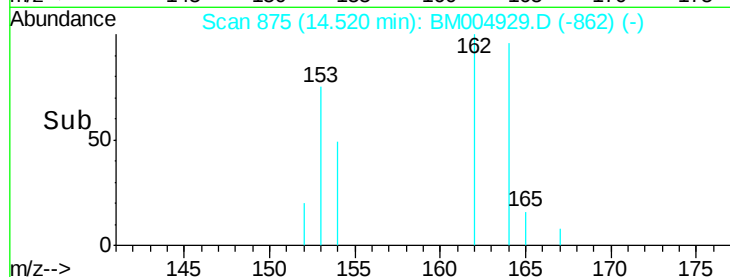
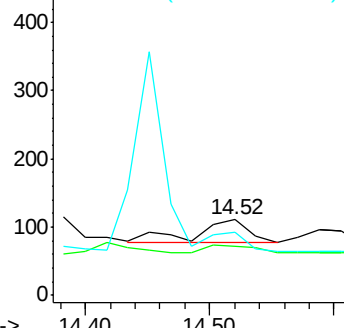
154 83.8 80.6 121.0



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: 0.00 ng/ul

RT: 15.56 min Scan# 936

Delta R.T. 0.05 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

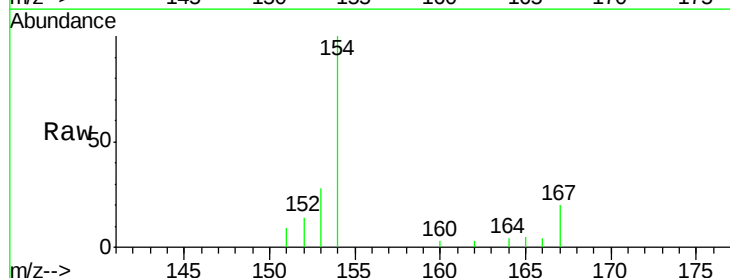
Tgt Ion:166 Resp: 60

Ion Ratio Lower Upper

166 100

165 117.6 69.6 104.4#

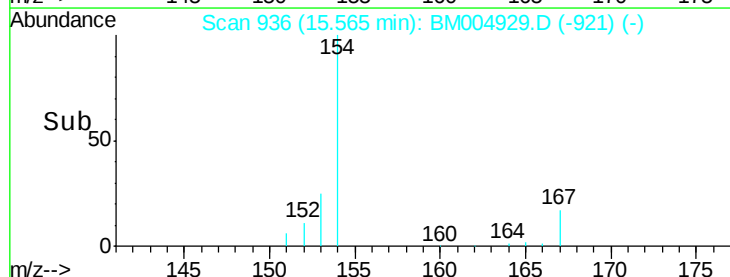
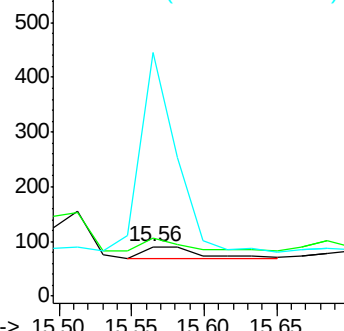
167 489.0 11.9 17.9#

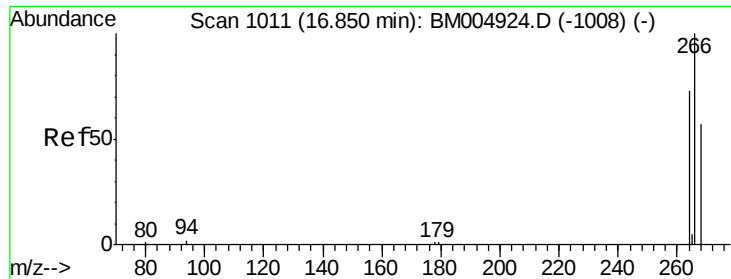


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

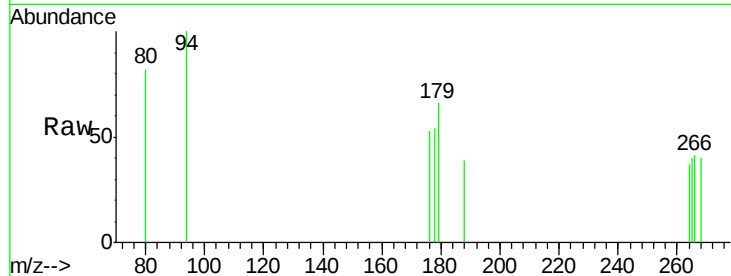




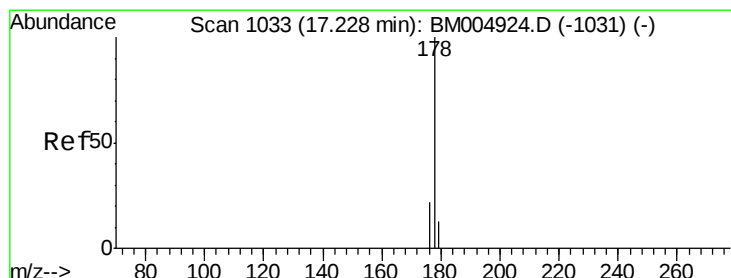
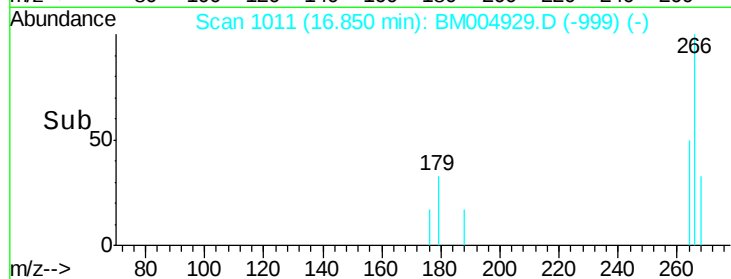
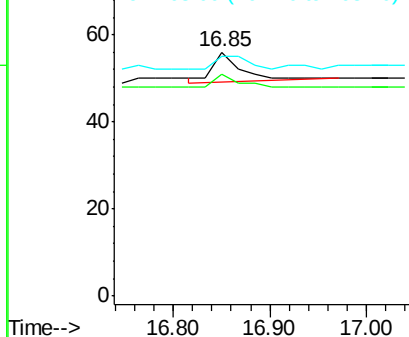
#13
 Pentachlorophenol
 Concen: 0.00 ng/ul
 RT: 16.85 min Scan# 1011
 Delta R.T. 0.00 min
 Lab File: BM004929.D
 Acq: 08 Apr 2016 13:55

Instrument :
 BNA_M
 ClientSampleId :
 D9T87

Tgt Ion: 266 Resp: 14
 Ion Ratio Lower Upper
 266 100
 264 35.7 51.8 77.8#
 268 50.0 46.8 70.2

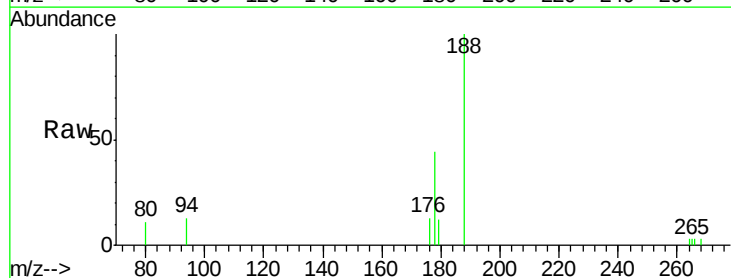


Abundance Ion 266.00 (265.70 to 266.70): E
 Ion 264.00 (263.70 to 264.70): E
 Ion 268.00 (267.70 to 268.70): E

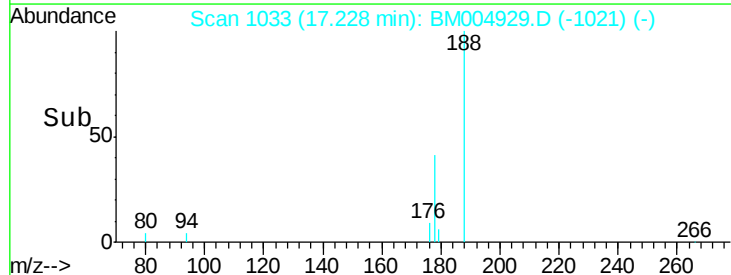
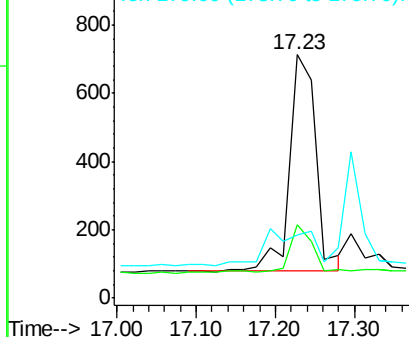


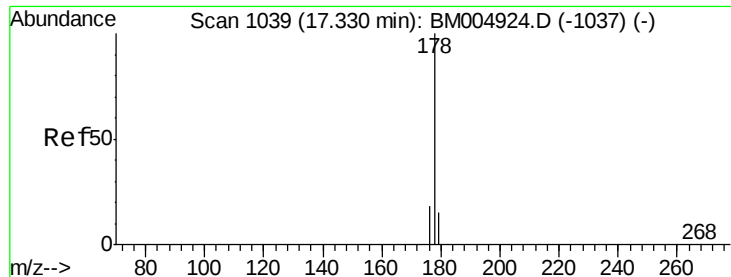
#14
 Phenanthrene
 Concen: 0.00 ng/ul
 RT: 17.23 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: BM004929.D
 Acq: 08 Apr 2016 13:55

Tgt Ion: 178 Resp: 1447
 Ion Ratio Lower Upper
 178 100
 176 30.3 13.0 19.4#
 179 26.2 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: 0.00 ng/ul

RT: 17.30 min Scan# 1037

Delta R.T. -0.03 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

Instrument :

BNA_M

ClientSampleId :

D9T87

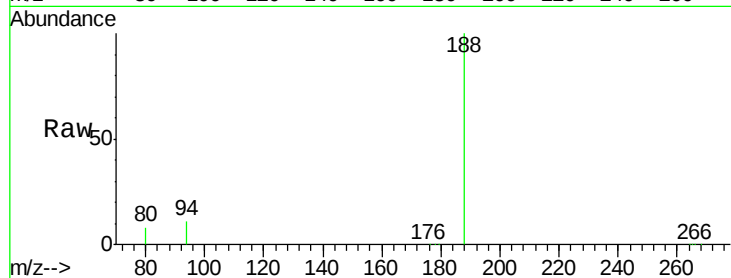
Tgt Ion:178 Resp: 200

Ion Ratio Lower Upper

178 100

176 41.6 14.0 21.0#

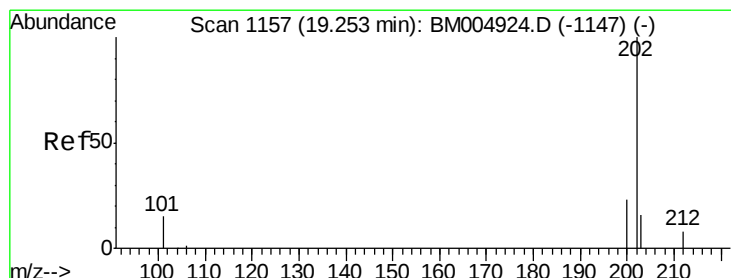
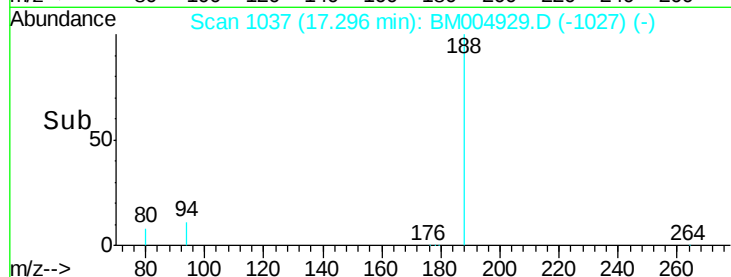
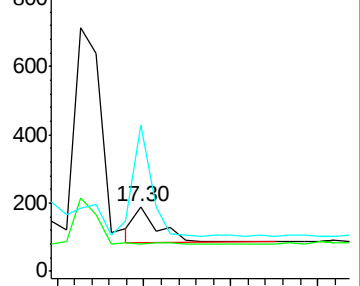
179 225.3 12.9 19.3#



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: 19.25 min Scan# 1157

Delta R.T. 0.00 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

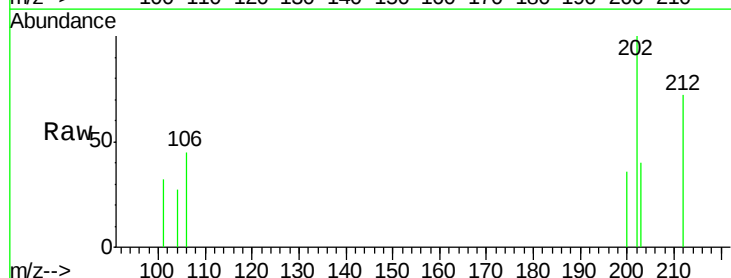
Tgt Ion:202 Resp: 640

Ion Ratio Lower Upper

202 100

101 32.1 0.0 29.6#

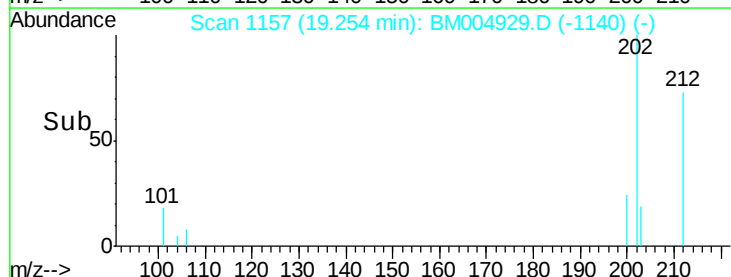
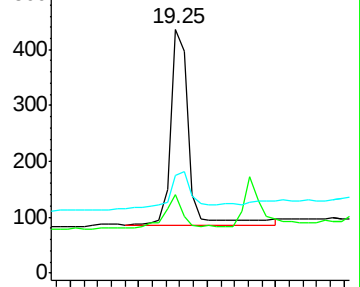
203 40.1 0.0 36.3#

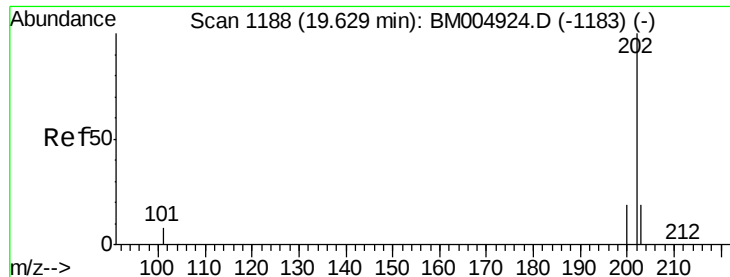


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#19

Pyrene

Concen: 0.00 ng/ul

RT: 19.59 min Scan# 1185

Delta R.T. -0.04 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

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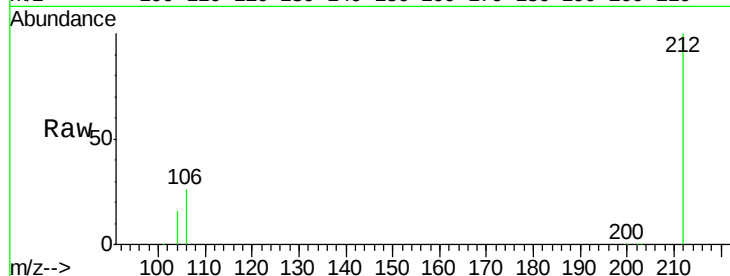
Tgt Ion:202 Resp: 1058

Ion Ratio Lower Upper

202 100

200 17.2 17.8 26.8#

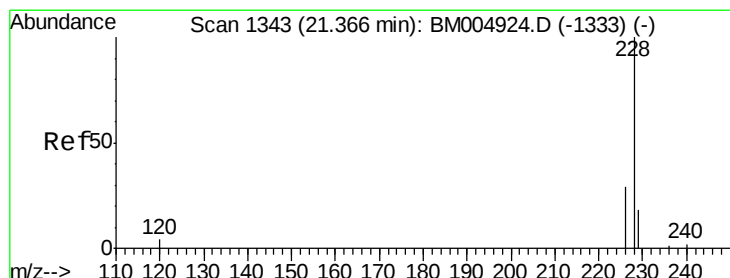
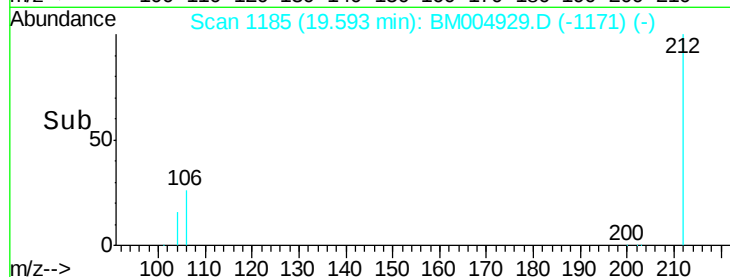
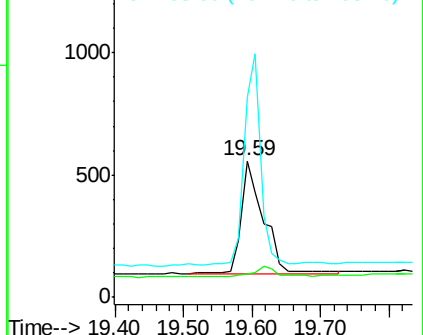
203 146.5 12.8 19.2#



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: 0.00 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. 0.02 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

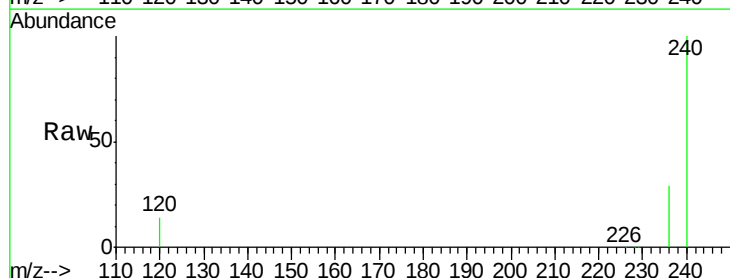
Tgt Ion:228 Resp: 937

Ion Ratio Lower Upper

228 100

226 19.0 18.8 28.2

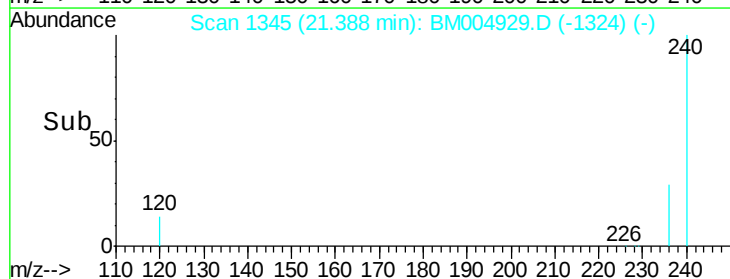
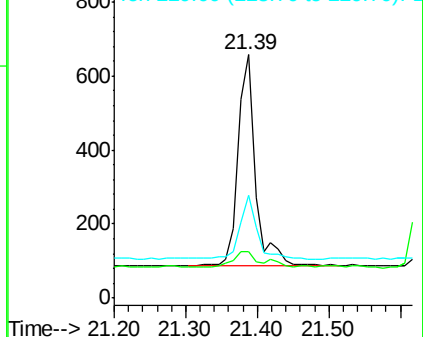
229 42.4 17.1 25.7#

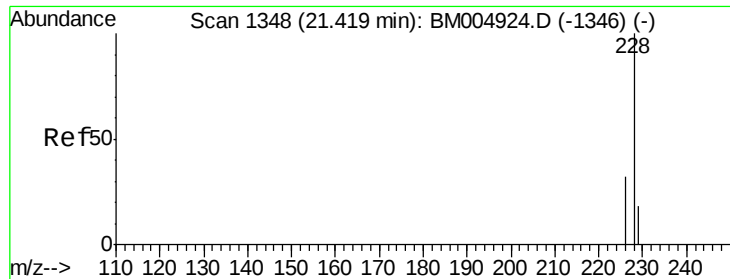


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#21

Chrysene

Concen: 0.00 ng/ul

RT: 21.39 min Scan# 1345

Delta R.T. -0.03 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

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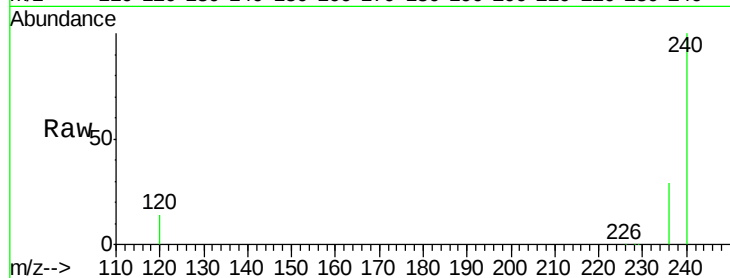
Tgt Ion:228 Resp: 937

Ion Ratio Lower Upper

228 100

226 19.0 21.2 31.8#

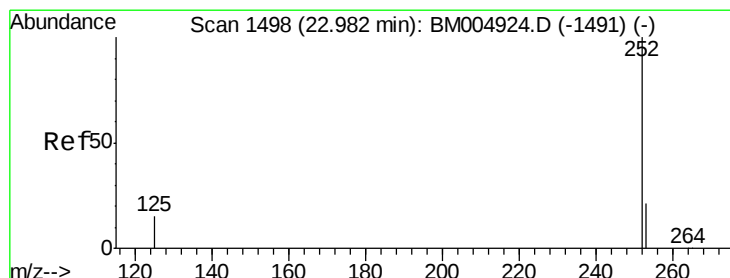
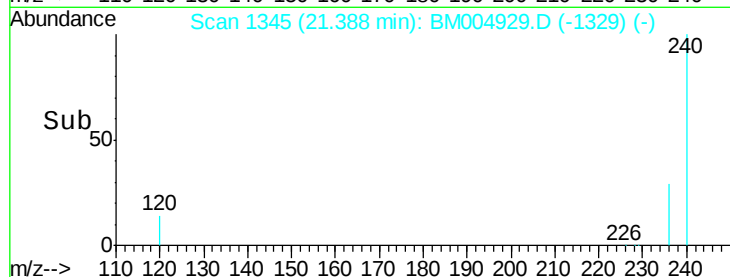
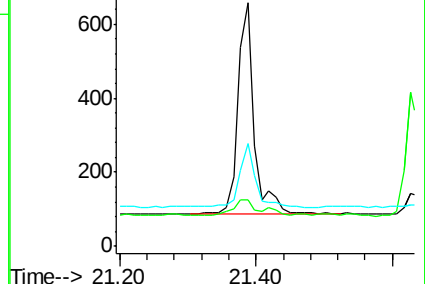
229 42.4 17.0 25.6#



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: 0.00 ng/ul

RT: 22.98 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

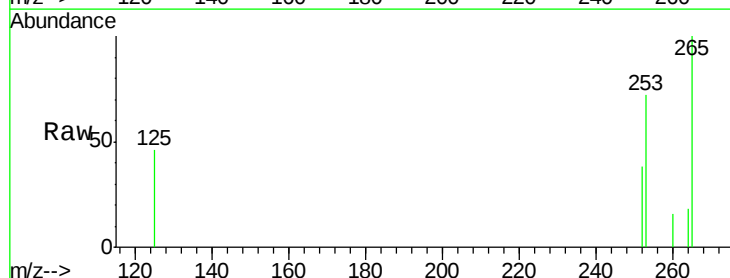
Tgt Ion:252 Resp: 74

Ion Ratio Lower Upper

252 100

253 191.6 0.0 45.4#

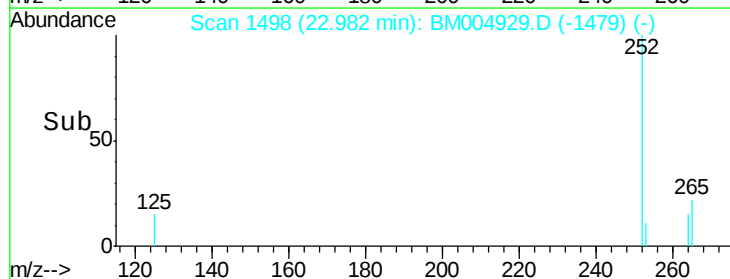
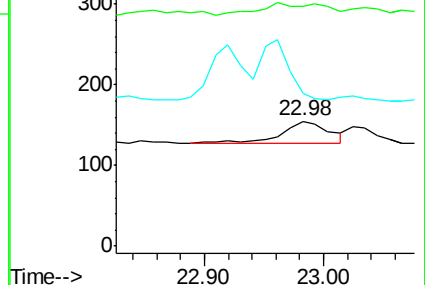
125 122.6 0.0 28.8#

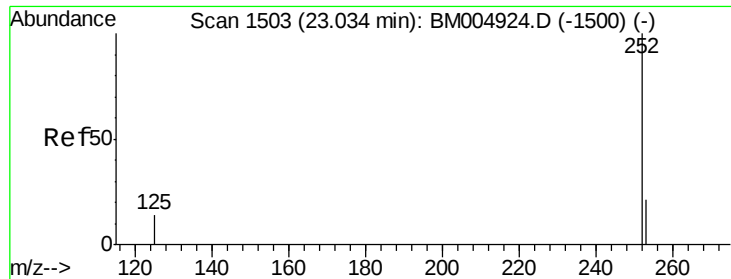


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#24

Benzo(k)fluoranthene

Concen: 0.00 ng/u1

RT: 23.02 min Scan# 1502

Delta R.T. -0.01 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

Instrument :

BNA_M

ClientSampleId :

D9T87

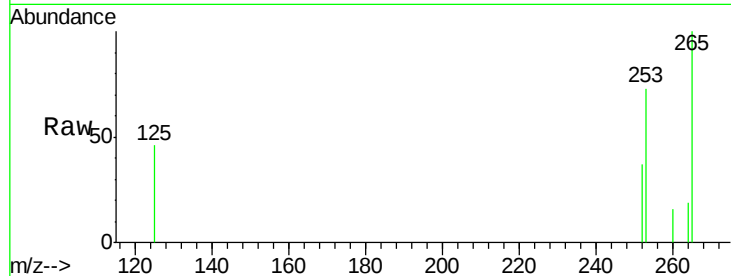
Tgt Ion:252 Resp: 34

Ion Ratio Lower Upper

252 100

253 198.0 19.8 29.8#

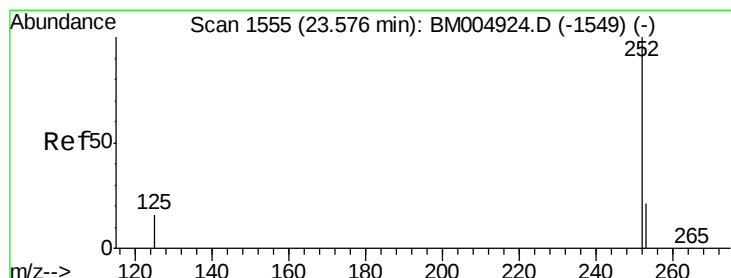
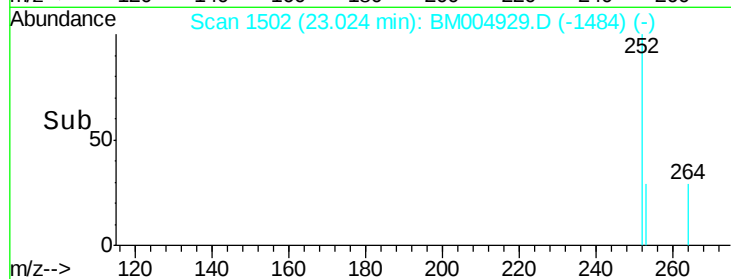
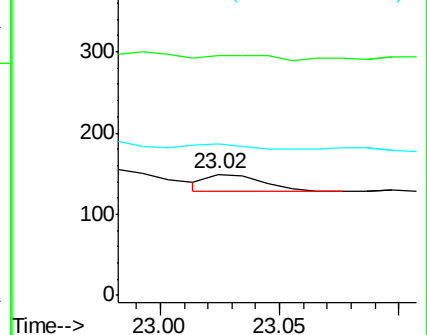
125 124.8 10.4 15.6#



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: 0.00 ng/u1

RT: 23.53 min Scan# 1551

Delta R.T. -0.04 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

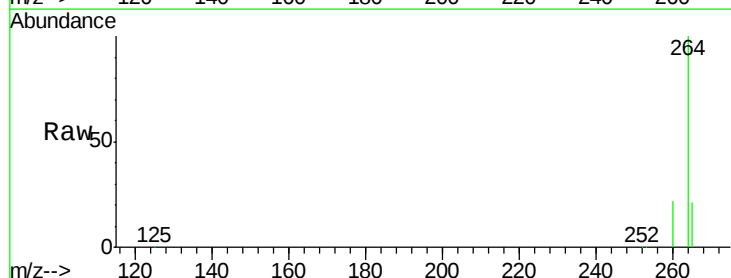
Tgt Ion:252 Resp: 1510

Ion Ratio Lower Upper

252 100

253 58.3 19.4 29.2#

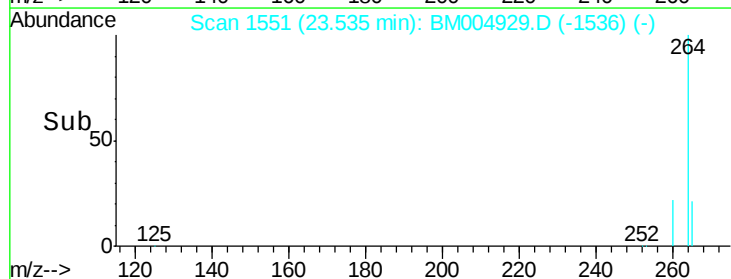
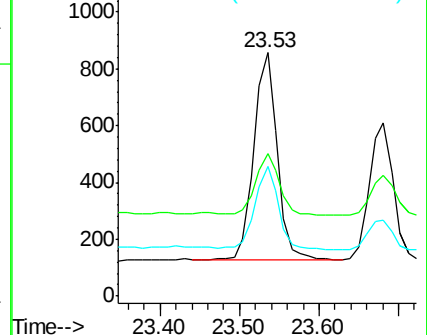
125 53.1 12.7 19.1#

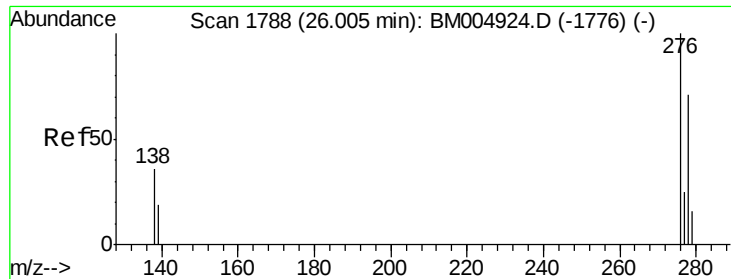


Abundance Ion 252.00 (251.70 to 252.70): E

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/ul

RT: 26.01 min Scan# 1788

Delta R.T. 0.00 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

Instrument :

BNA_M

ClientSampleId :

D9T87

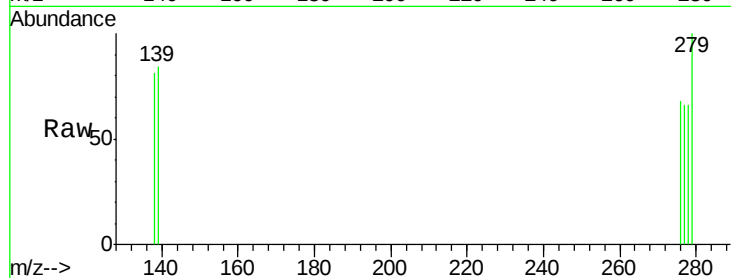
Tgt Ion:276 Resp: 61

Ion Ratio Lower Upper

276 100

138 50.8 16.3 24.5#

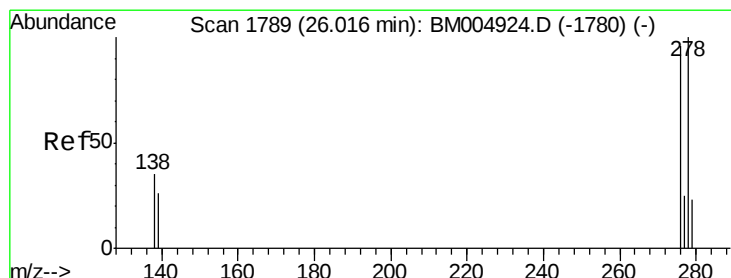
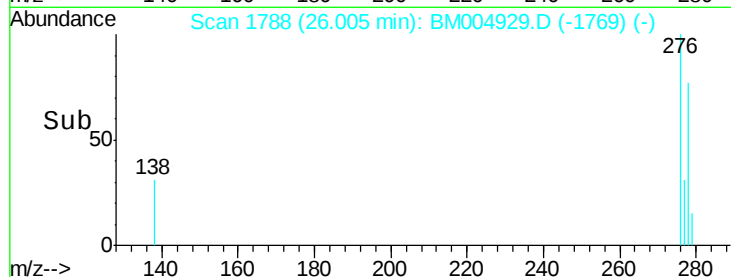
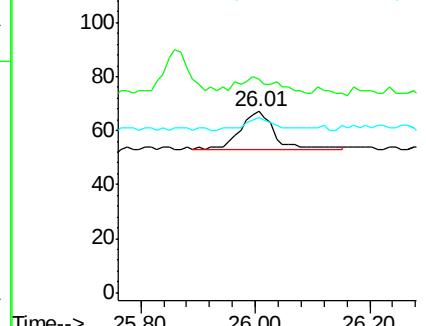
277 31.1 19.8 29.8#



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: 26.01 min Scan# 1788

Delta R.T. -0.01 min

Lab File: BM004929.D

Acq: 08 Apr 2016 13:55

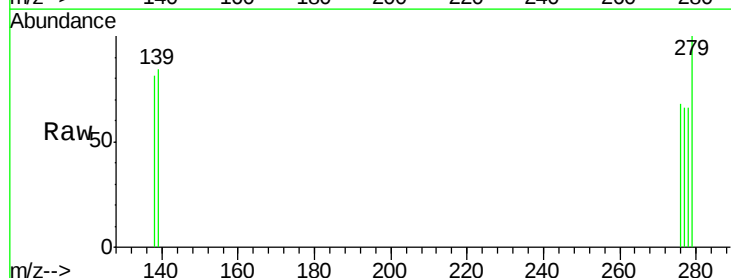
Tgt Ion:278 Resp: 40

Ion Ratio Lower Upper

278 100

139 126.2 16.4 24.6#

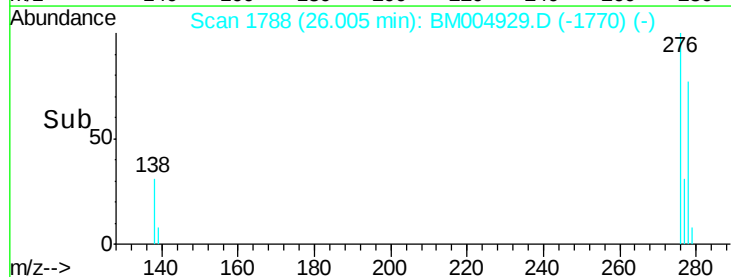
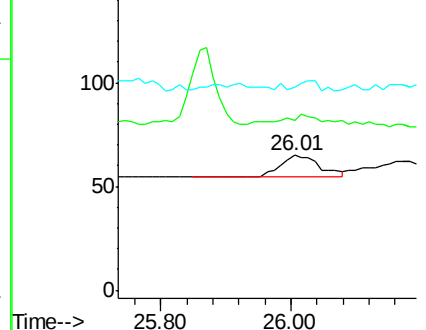
279 150.8 20.2 30.2#

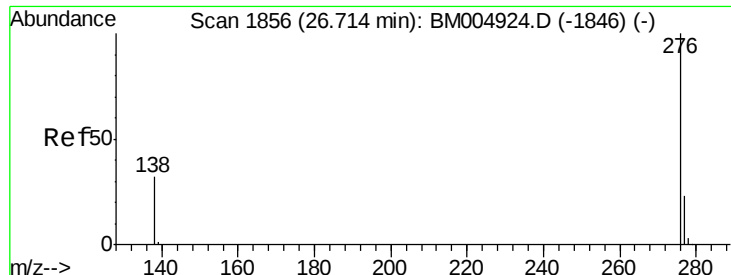


Abundance Ion 278.00 (277.70 to 278.70): E

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: 0.00 ng/ul

RT: 26.71 min Scan# 1856

Delta R.T. 0.00 min

Lab File: BM004929.D

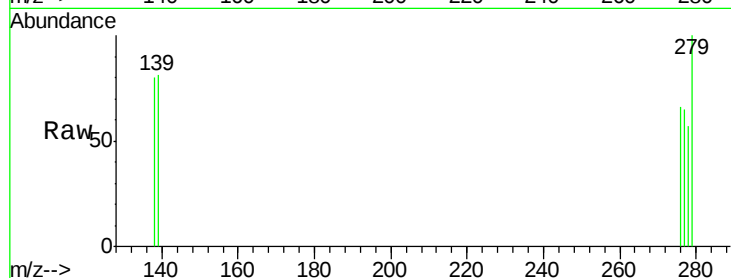
Acq: 08 Apr 2016 13:55

Instrument :

BNA_M

ClientSampleId :

D9T87



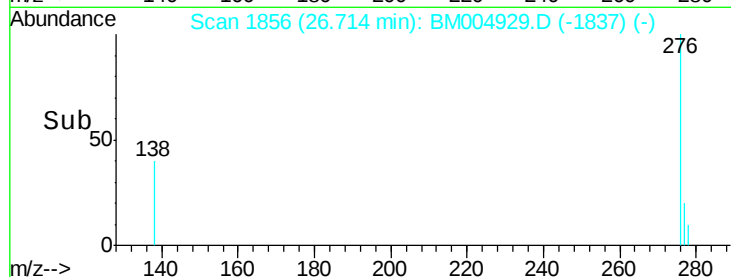
Tgt Ion: 276 Resp: 41

Ion Ratio Lower Upper

276 100

277 98.4 18.9 28.3#

138 122.2 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

