

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM061316\
 Data File : BM005778.D
 Acq On : 13 Jun 2016 20:13
 Operator : UM/SJ
 Sample : PBBL
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SBLK32

Quant Time: Jun 14 01:32:59 2016
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM-EPA-SIM-BM061316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 13 19:45:38 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	6642	0.40	ng/ul	-0.02
4) Naphthalene-d8	10.54	136	28112	0.40	ng/ul	-0.01
8) Acenaphthene-d10	14.38	164	17254	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.23	188	1859254	0.40	ng/ul	0.09
18) Chrysene-d12	21.33	240	32179	0.40	ng/ul	0.00
22) Perylene-d12	23.58	264	49403	0.40	ng/ul	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.20	96	21033	6.50	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.14	152	11305	0.32	ng/ul	0.00
16) Fluoranthene-d10	19.16	212	26791	0.01	ng/ul	0.00

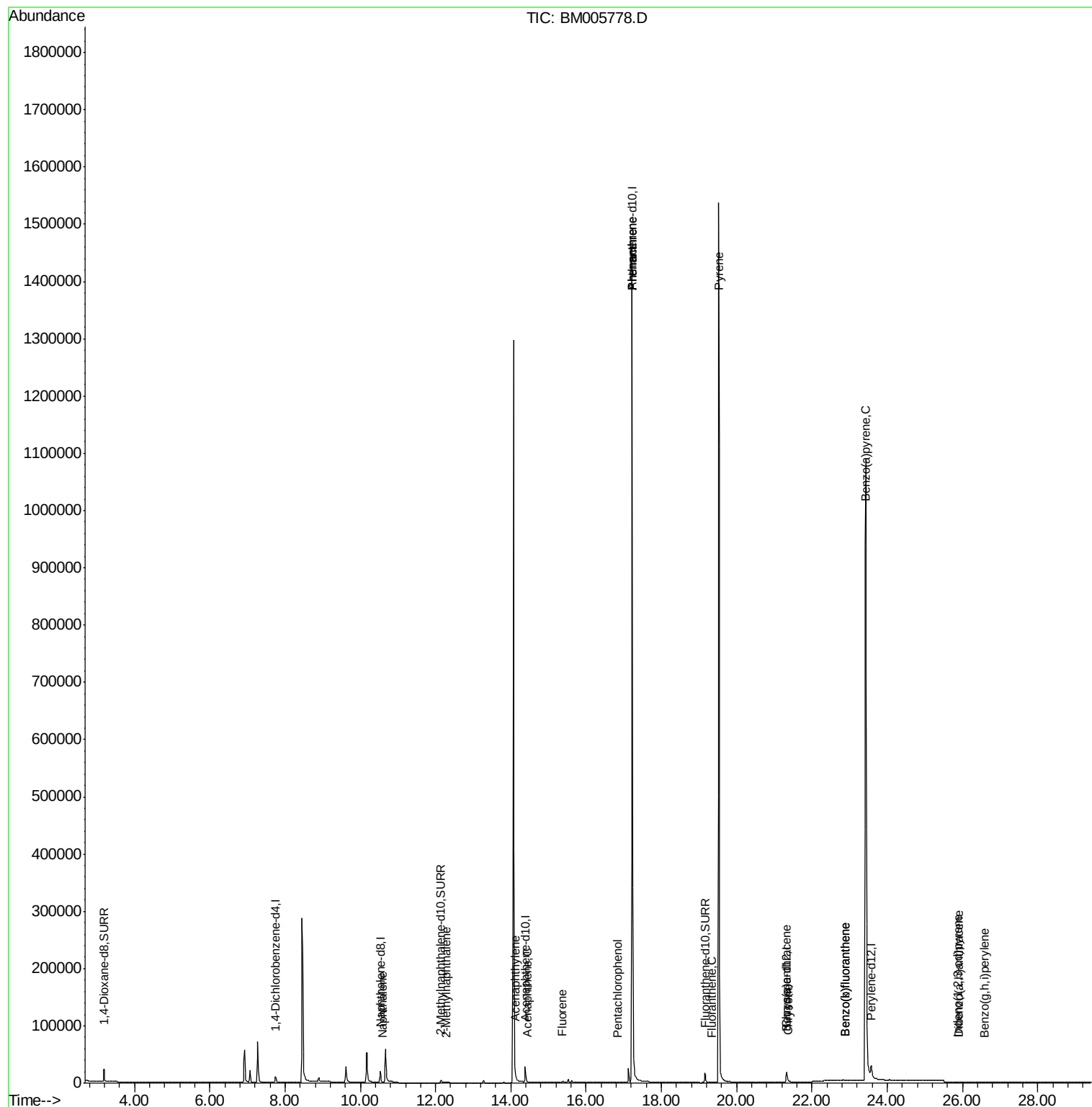
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Naphthalene	10.58	128	70	0.00	ng/ul#	1
7) 2-Methylnaphthalene	12.27	142	13	0.00	ng/ul	95
9) Acenaphthylene	14.11	152	405	0.01	ng/ul#	30
10) Acenaphthene	14.43	153	139	0.00	ng/ul#	59
11) Fluorene	15.38	166	3561	0.07	ng/ul#	26
13) Pentachlorophenol	16.83	266	26	0.00	ng/ul#	43
14) Phenanthrene	17.23	178	1455	0.00	ng/ul#	1
15) Anthracene	17.23	178	1050	0.00	ng/ul#	1
17) Fluoranthene	19.34	202	88	0.00	ng/ul#	1
19) Pyrene	19.52	202	3915	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.32	228	812	0.01	ng/ul#	8
21) Chrysene	21.36	228	889	0.01	ng/ul#	24
23) Benzo(b)fluoranthene	22.89	252	2060	0.01	ng/ul#	1
24) Benzo(k)fluoranthene	22.89	252	2060	0.01	ng/ul#	1
25) Benzo(a)pyrene	23.42	252	7517	0.05	ng/ul#	44
26) Indeno(1,2,3-cd)pyrene	25.88	276	639	0.00	ng/ul#	64
27) Dibenzo(a,h)anthracene	25.90	278	1150	0.01	ng/ul#	1
28) Benzo(g,h,i)perylene	26.58	276	467	0.00	ng/ul#	1

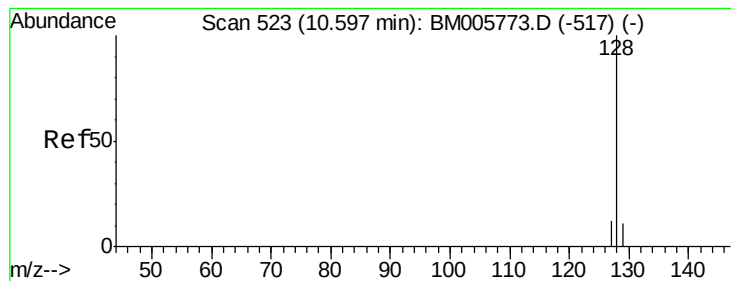
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 10.58 min Scan# 522

Delta R.T. -0.01 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

Instrument :

BNA_M

ClientSampleId :

SBLK32

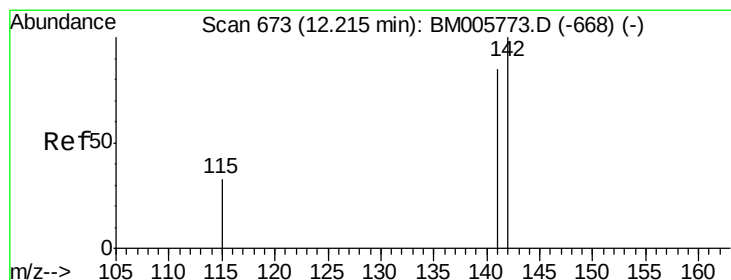
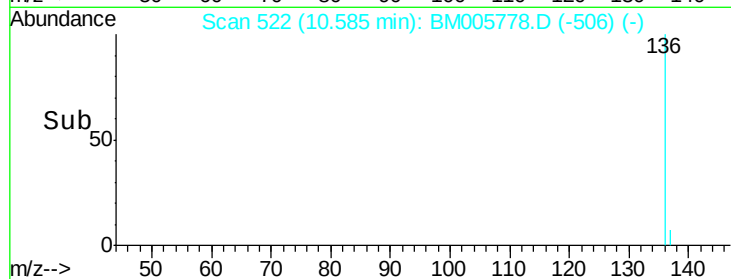
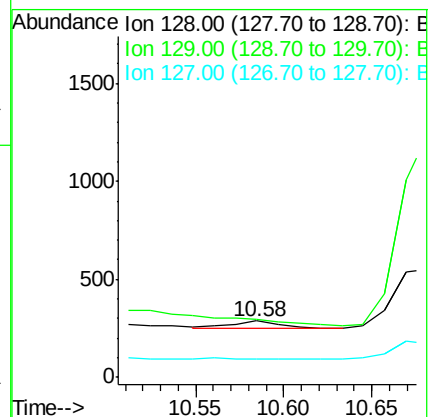
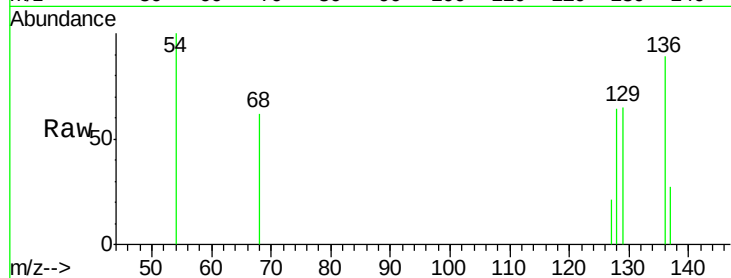
Tgt Ion:128 Resp: 70

Ion Ratio Lower Upper

128 100

129 102.4 9.0 13.6#

127 33.3 9.6 14.4#



#7

2-Methylnaphthalene

Concen: 0.00 ng/ul

RT: 12.27 min Scan# 678

Delta R.T. 0.05 min

Lab File: BM005778.D

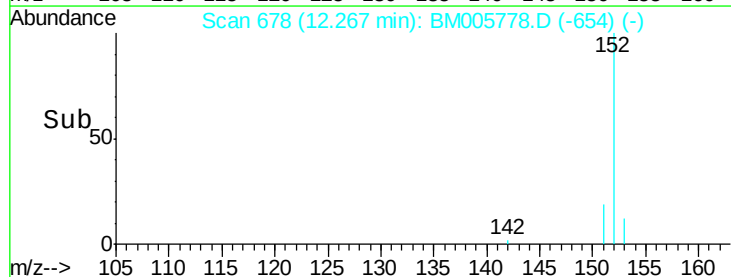
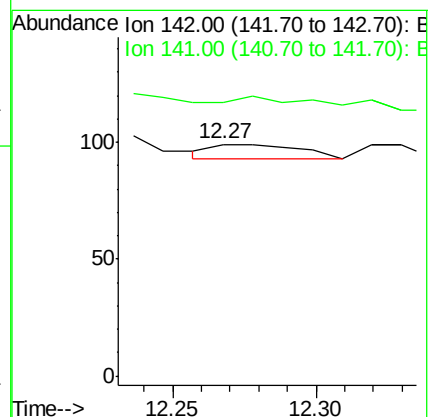
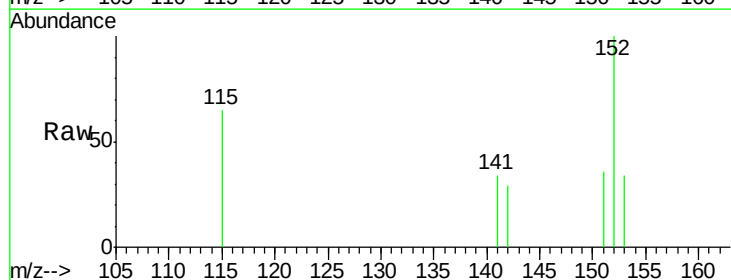
Acq: 13 Jun 2016 20:13

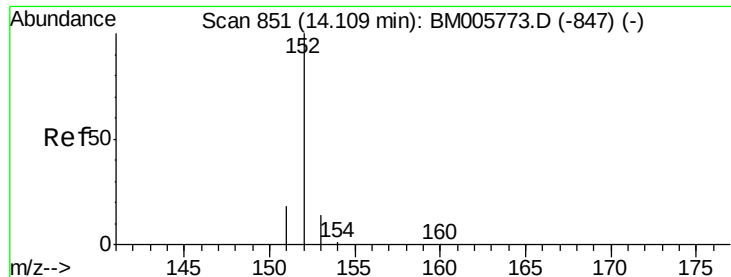
Tgt Ion:142 Resp: 13

Ion Ratio Lower Upper

142 100

141 92.3 70.3 105.5





#9

Acenaphthylene

Concen: 0.01 ng/ul

RT: 14.11 min Scan# 851

Delta R.T. -0.00 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

Instrument :

BNA_M

ClientSampleId :

SBLK32

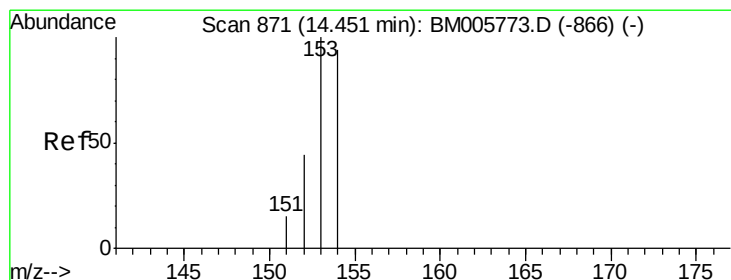
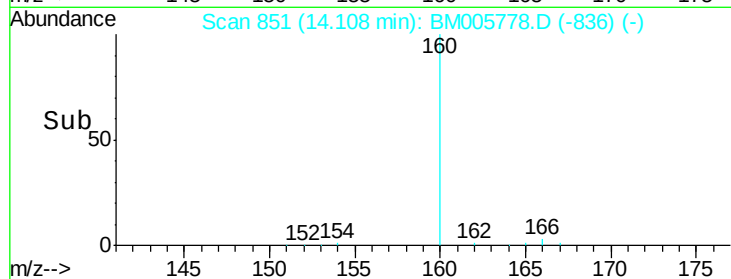
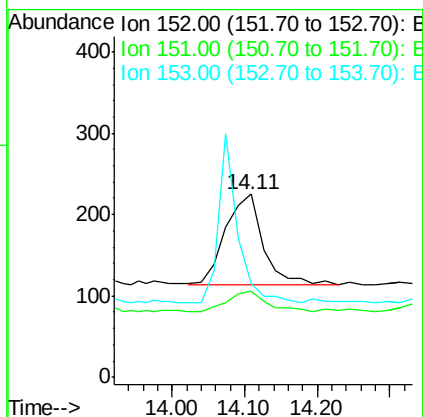
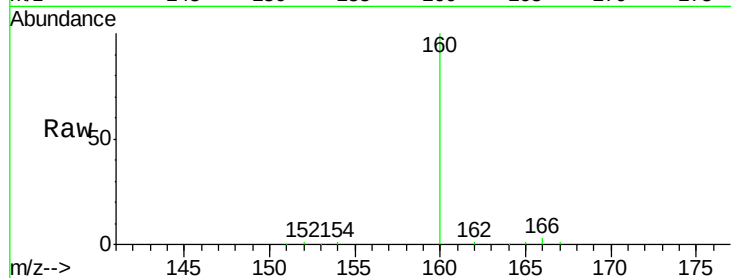
Tgt Ion:152 Resp: 405

Ion Ratio Lower Upper

152 100

151 47.1 17.6 26.4#

153 51.1 9.7 14.5#



#10

Acenaphthene

Concen: 0.00 ng/ul

RT: 14.43 min Scan# 870

Delta R.T. -0.02 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

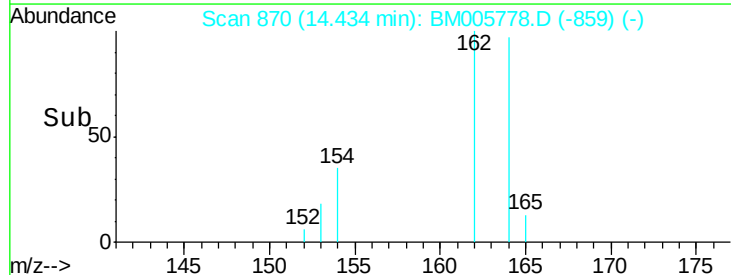
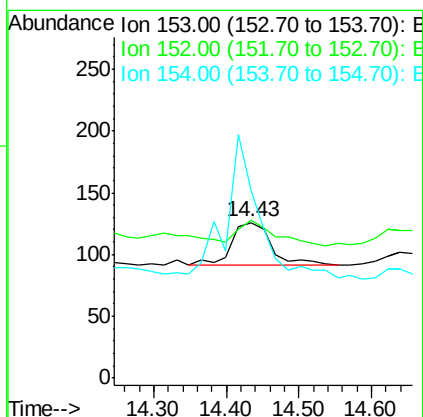
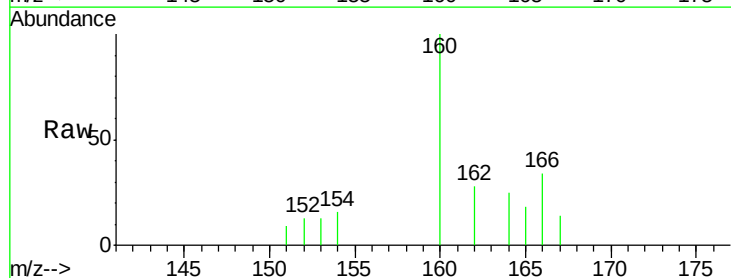
Tgt Ion:153 Resp: 139

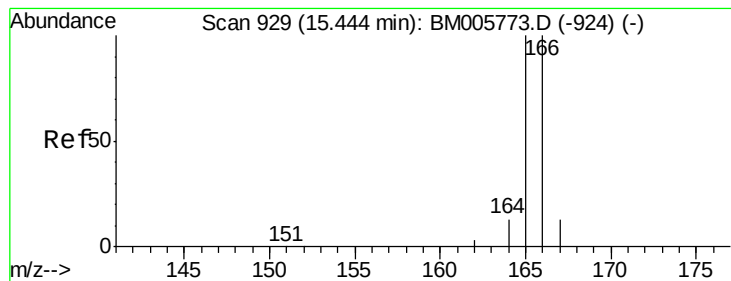
Ion Ratio Lower Upper

153 100

152 101.6 33.9 50.9#

154 120.6 80.6 121.0





#11

Fluorene

Concen: 0.07 ng/ul

RT: 15.38 min Scan# 925

Delta R.T. -0.07 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

Instrument :

BNA_M

ClientSampleId :

SBLK32

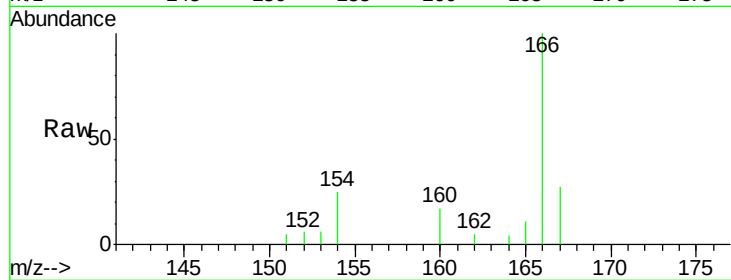
Tgt Ion:166 Resp: 3561

Ion Ratio Lower Upper

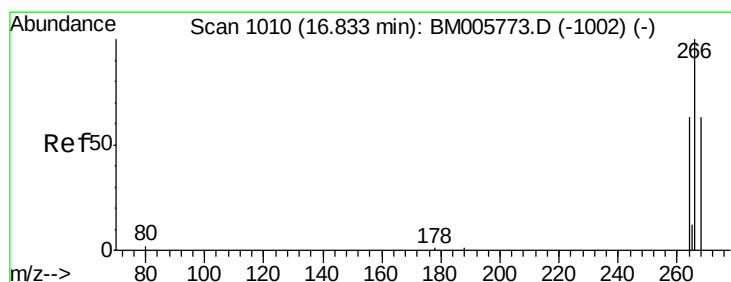
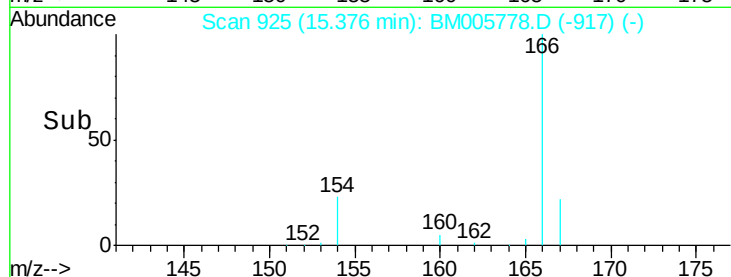
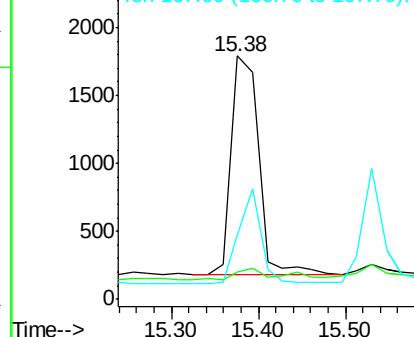
166 100

165 11.0 69.6 104.4#

167 26.5 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: 16.83 min Scan# 1010

Delta R.T. -0.00 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

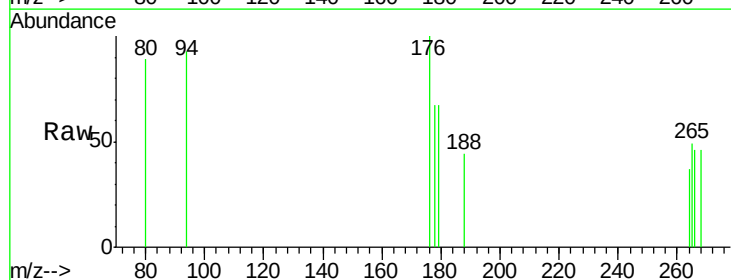
Tgt Ion:266 Resp: 26

Ion Ratio Lower Upper

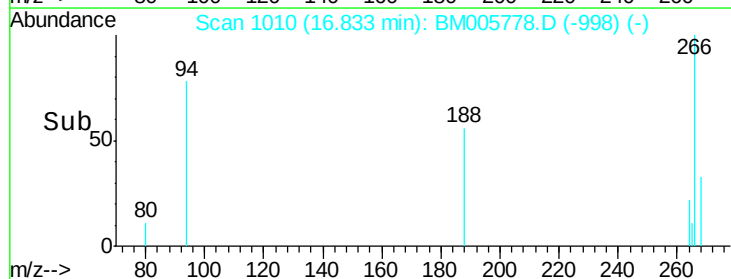
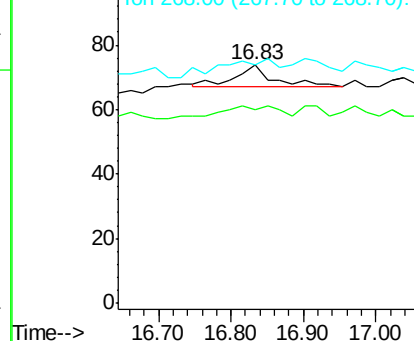
266 100

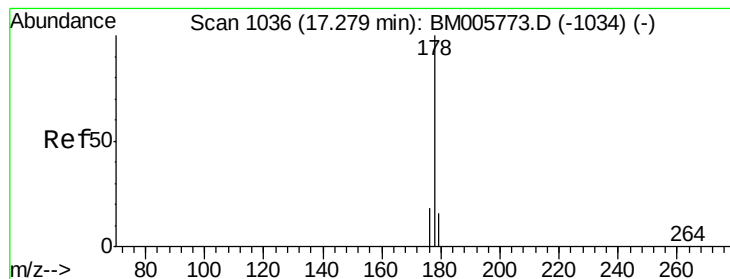
264 0.0 51.8 77.8#

268 80.8 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. 0.05 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

Instrument :

BNA_M

ClientSampleId :

SBLK32

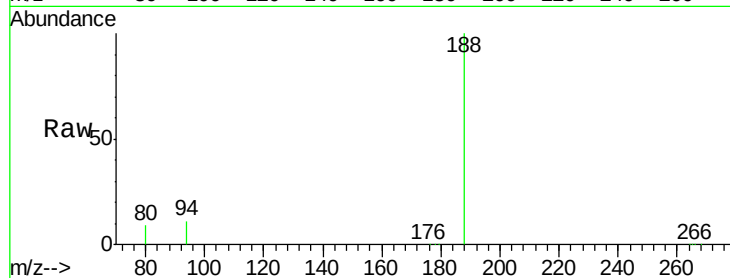
Tgt Ion:178 Resp: 1455

Ion Ratio Lower Upper

178 100

176 22.5 13.0 19.4#

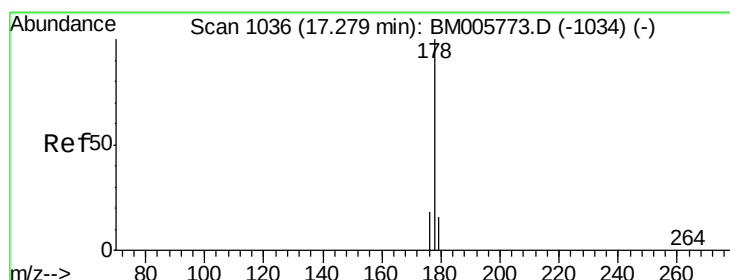
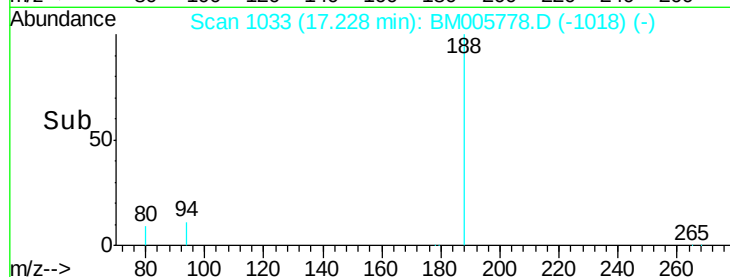
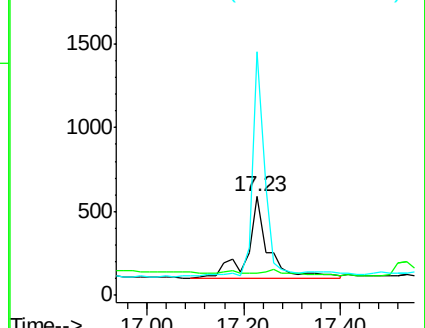
179 247.5 14.2 21.2#



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: 17.23 min Scan# 1033

Delta R.T. -0.05 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

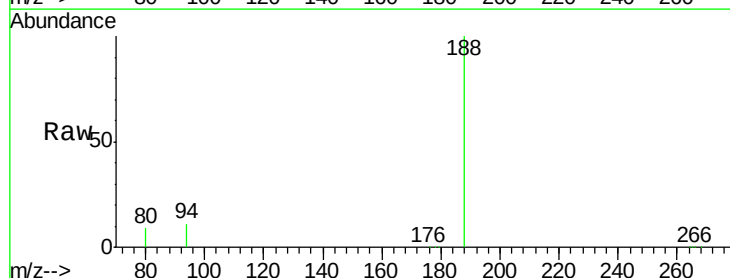
Tgt Ion:178 Resp: 1050

Ion Ratio Lower Upper

178 100

176 22.5 14.0 21.0#

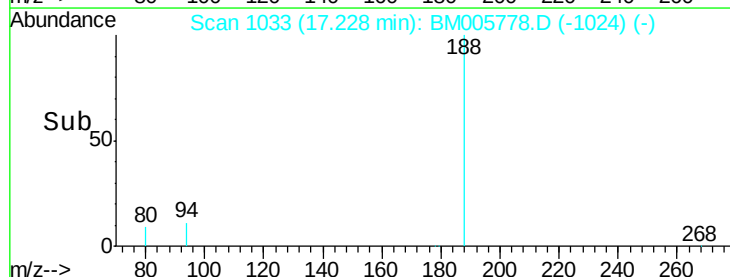
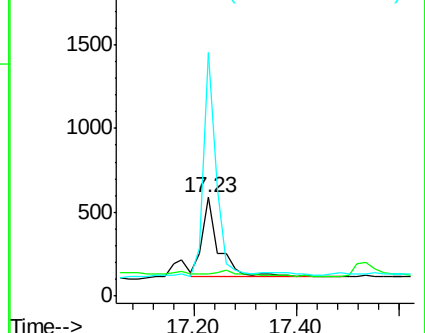
179 247.5 12.9 19.3#

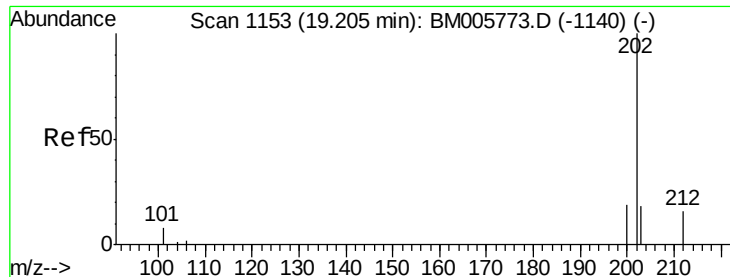


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.34 min Scan# 1164

Delta R.T. 0.14 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

Instrument :

BNA_M

ClientSampleId :

SBLK32

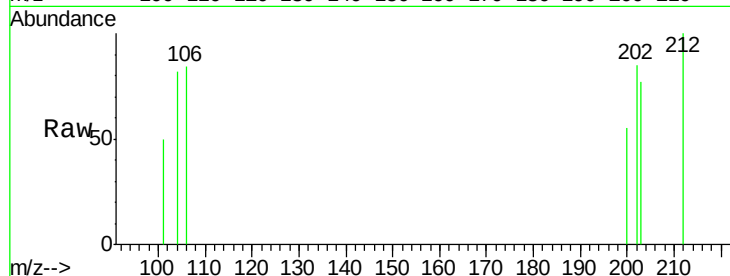
Tgt Ion:202 Resp: 88

Ion Ratio Lower Upper

202 100

101 58.6 0.0 29.6#

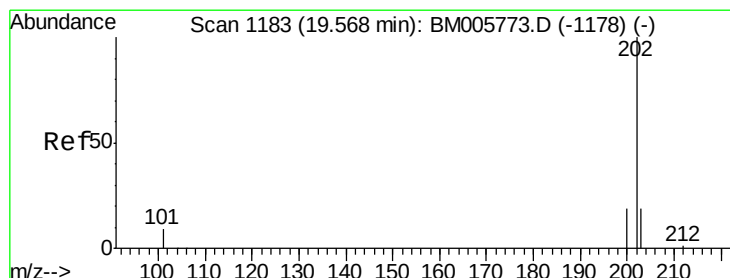
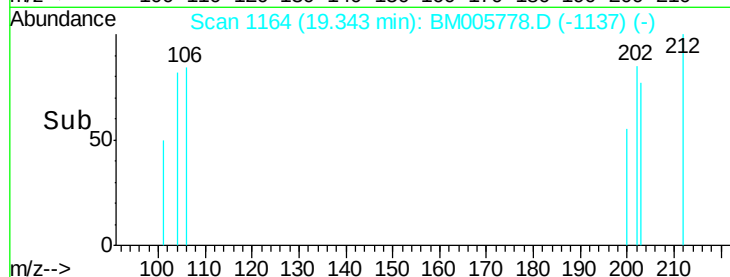
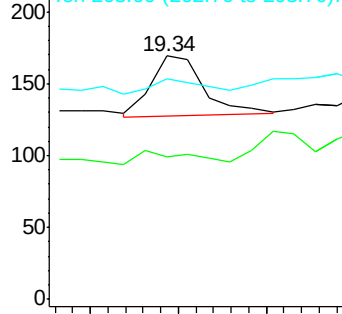
203 90.5 0.0 36.3#



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: 0.04 ng/ul

RT: 19.52 min Scan# 1179

Delta R.T. -0.04 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

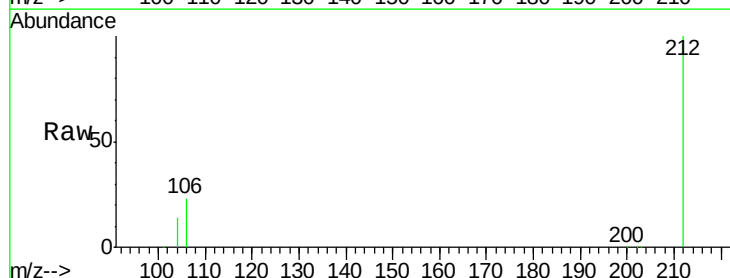
Tgt Ion:202 Resp: 3915

Ion Ratio Lower Upper

202 100

200 7.2 17.8 26.8#

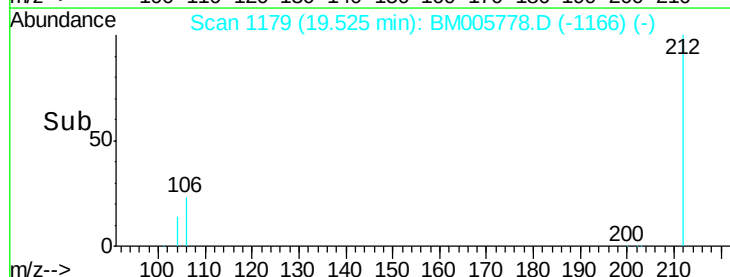
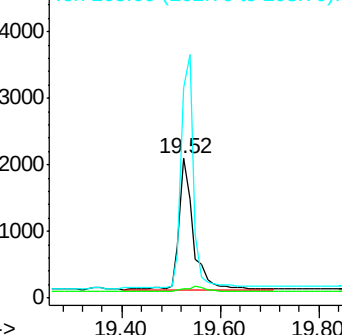
203 150.5 12.8 19.2#

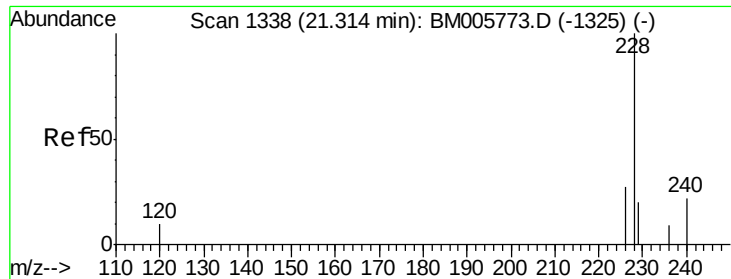


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.32 min Scan# 1338

Delta R.T. 0.00 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

Instrument :

BNA_M

ClientSampleId :

SBLK32

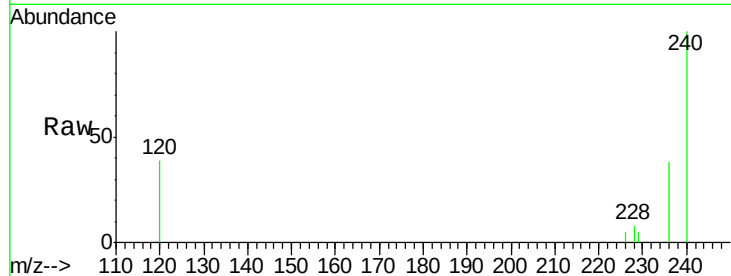
Tgt Ion:228 Resp: 812

Ion Ratio Lower Upper

228 100

226 71.2 18.8 28.2#

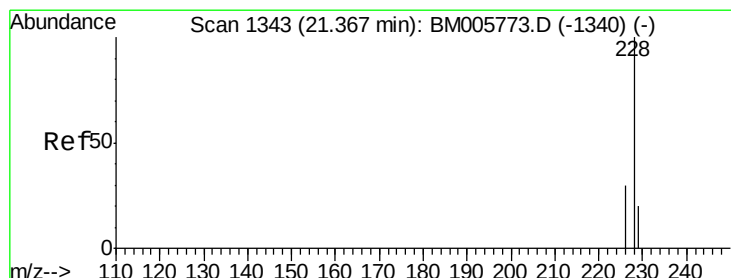
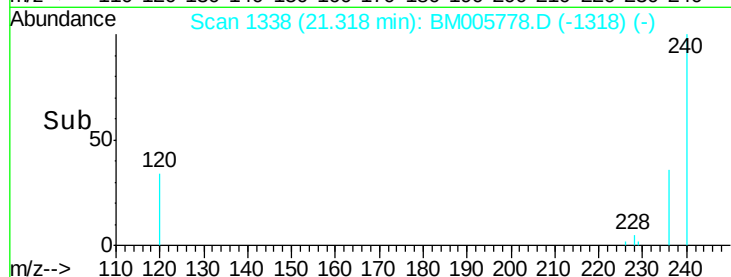
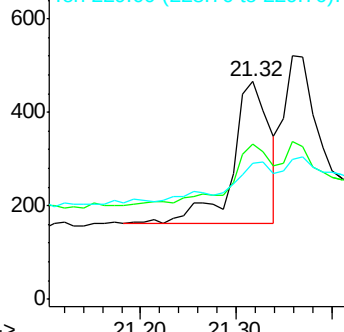
229 62.4 17.1 25.7#



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: 0.01 ng/ul

RT: 21.36 min Scan# 1342

Delta R.T. -0.01 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

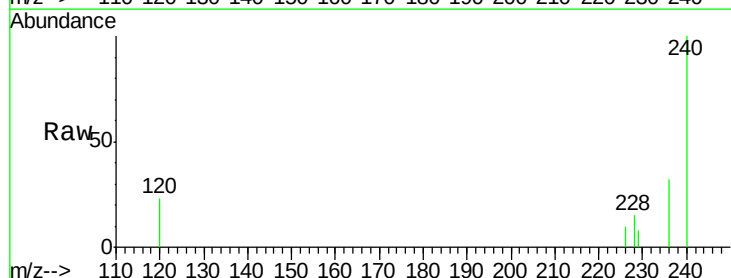
Tgt Ion:228 Resp: 889

Ion Ratio Lower Upper

228 100

226 64.9 21.2 31.8#

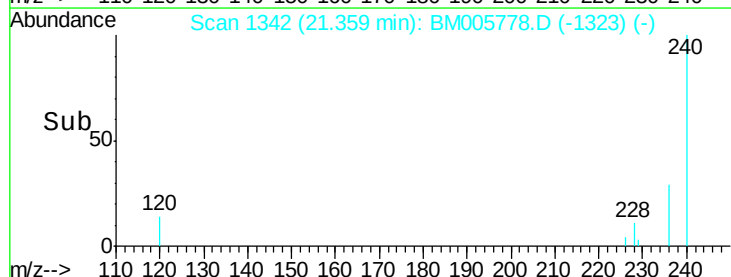
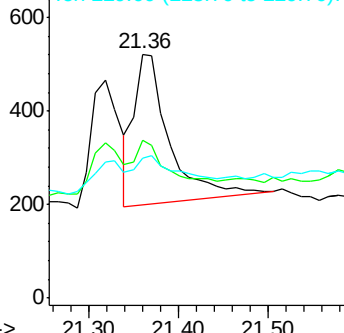
229 57.6 17.0 25.6#

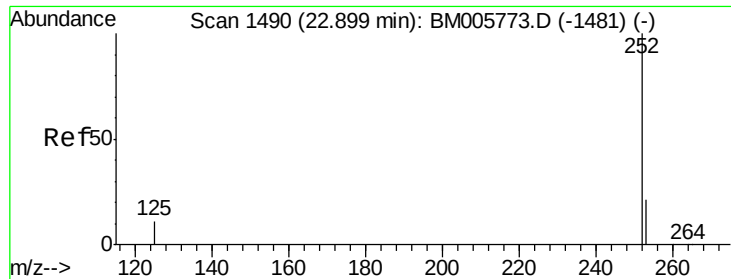


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#23

Benzo(b)fluoranthene

Concen: 0.01 ng/ul

RT: 22.89 min Scan# 1489

Delta R.T. -0.01 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

Instrument :

BNA_M

ClientSampleId :

SBLK32

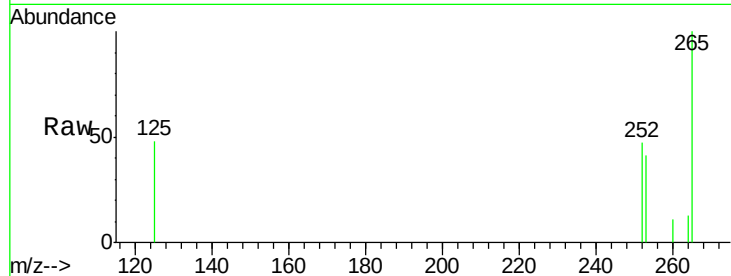
Tgt Ion:252 Resp: 2060

Ion Ratio Lower Upper

252 100

253 85.3 0.0 45.4#

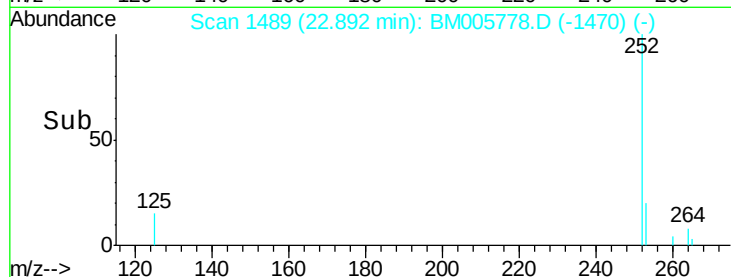
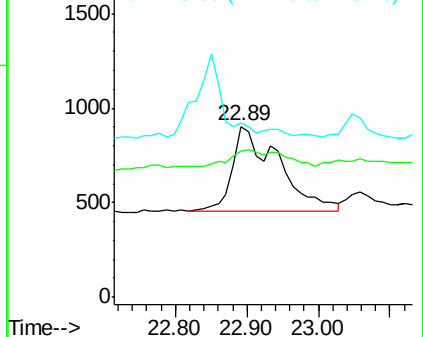
125 102.1 0.0 28.8#



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: 0.01 ng/ul

RT: 22.89 min Scan# 1489

Delta R.T. -0.05 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

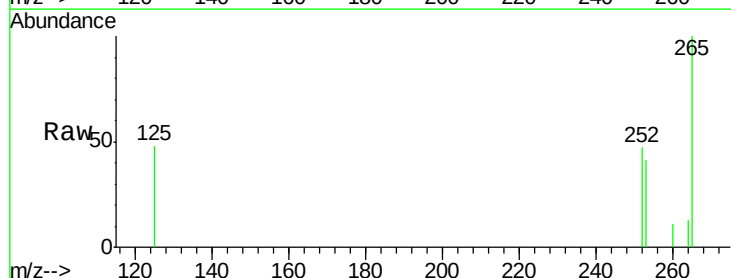
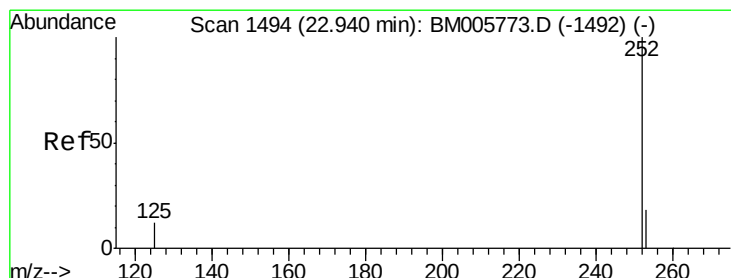
Tgt Ion:252 Resp: 2060

Ion Ratio Lower Upper

252 100

253 85.3 19.8 29.8#

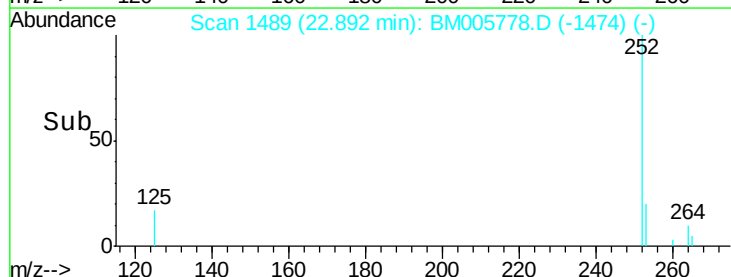
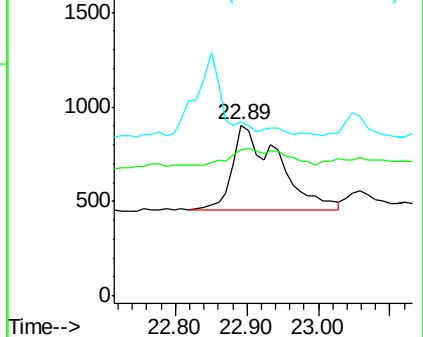
125 102.1 10.4 15.6#

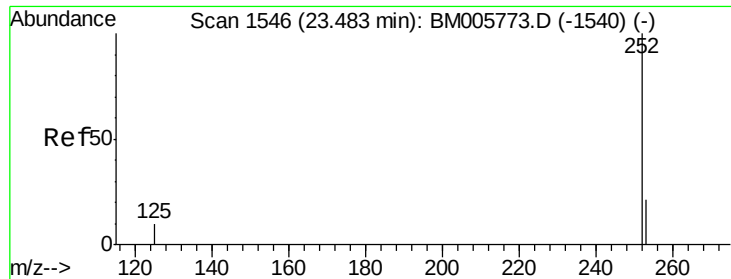


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.05 ng/ul

RT: 23.42 min Scan# 1540

Delta R.T. -0.06 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

Instrument :

BNA_M

ClientSampleId :

SBLK32

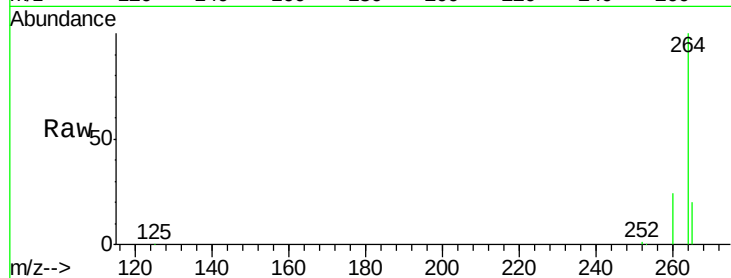
Tgt Ion: 252 Resp: 7517

Ion Ratio Lower Upper

252 100

253 41.9 19.4 29.2#

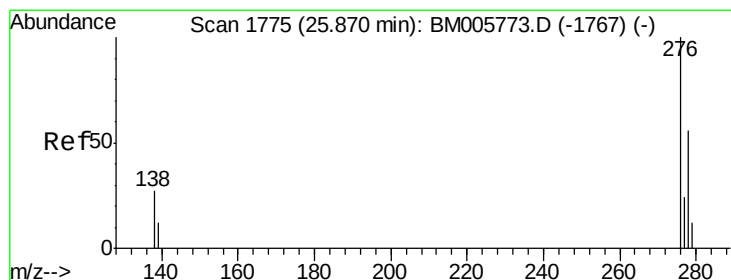
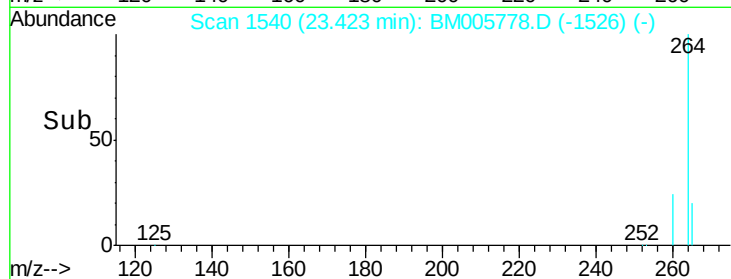
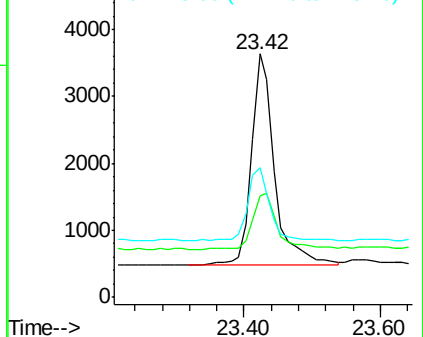
125 53.2 12.7 19.1#



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: 25.88 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

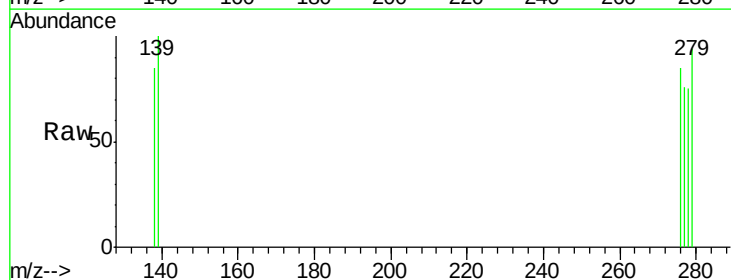
Tgt Ion: 276 Resp: 639

Ion Ratio Lower Upper

276 100

138 35.4 16.3 24.5#

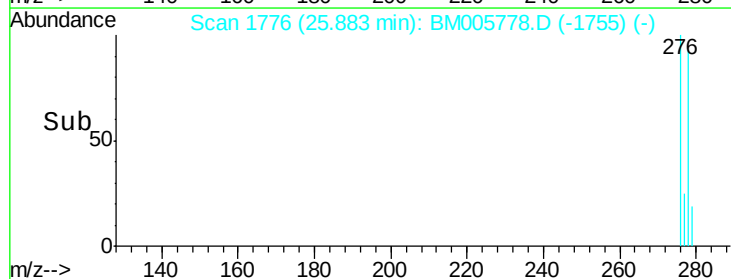
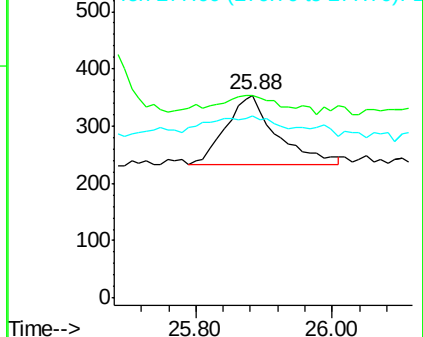
277 44.8 19.8 29.8#

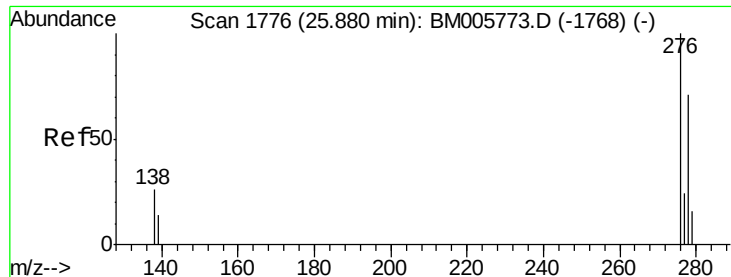


Abundance Ion 276.00 (275.70 to 276.70): E

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: 25.90 min Scan# 1778

Delta R.T. 0.02 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

Instrument :

BNA_M

ClientSampleId :

SBLK32

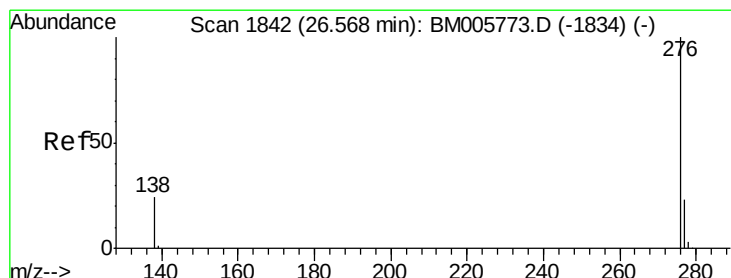
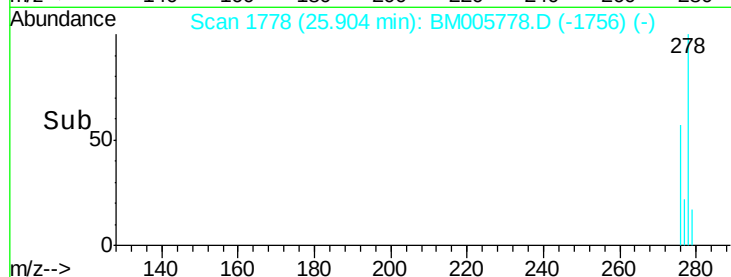
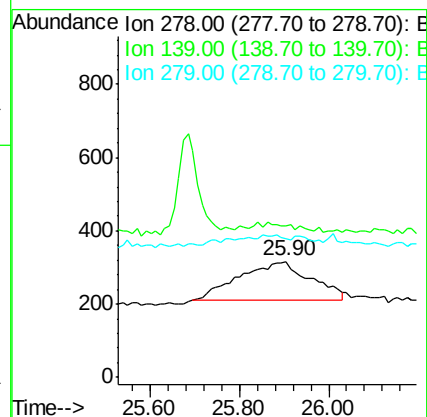
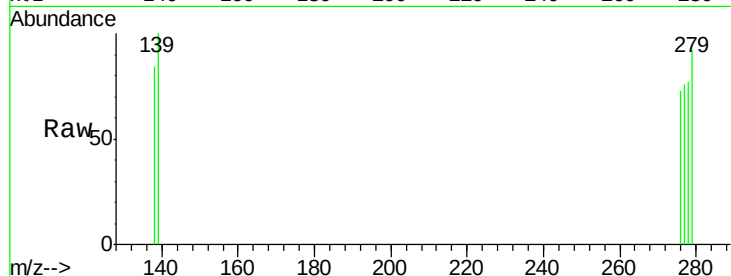
Tgt Ion: 278 Resp: 1150

Ion Ratio Lower Upper

278 100

139 130.3 16.4 24.6#

279 119.2 20.2 30.2#



#28

Benzo(g,h,i)perylene

Concen: 0.00 ng/ul

RT: 26.58 min Scan# 1843

Delta R.T. 0.01 min

Lab File: BM005778.D

Acq: 13 Jun 2016 20:13

Tgt Ion: 276 Resp: 467

Ion Ratio Lower Upper

276 100

277 96.0 18.9 28.3#

138 105.8 22.5 33.7#

