

Data Path : Z:\HPCHEM1\BNA M\DATA\BM041816\
 Data File : BM004981.D
 Acq On : 18 Apr 2016 20:08
 Operator : UM/SJ
 Sample : H2298-12
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 D9T95

Quant Time: Apr 19 08:28:29 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\SOM-EPA-SIM-BM041816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 19 08:25:48 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.82	152	1689	0.40	ng/ul	0.00
4) Naphthalene-d8	10.61	136	6950	0.40	ng/ul	0.00
8) Acenaphthene-d10	14.45	164	3663	0.40	ng/ul	0.00
12) Phenanthrene-d10	17.28	188	374600	0.40	ng/ul	0.09
18) Chrysene-d12	21.39	240	6050	0.40	ng/ul	0.00
22) Perylene-d12	23.52	264	317491	0.40	ng/ul	-0.15

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
2) 1,4-Dioxane-d8	3.31	96	1858	2.28	ng/uL	0.00
6) 2-Methylnaphthalene-d10	12.19	152	2453	0.30	ng/ul	0.00
16) Fluoranthene-d10	19.23	212	5026	0.01	ng/ul	0.00

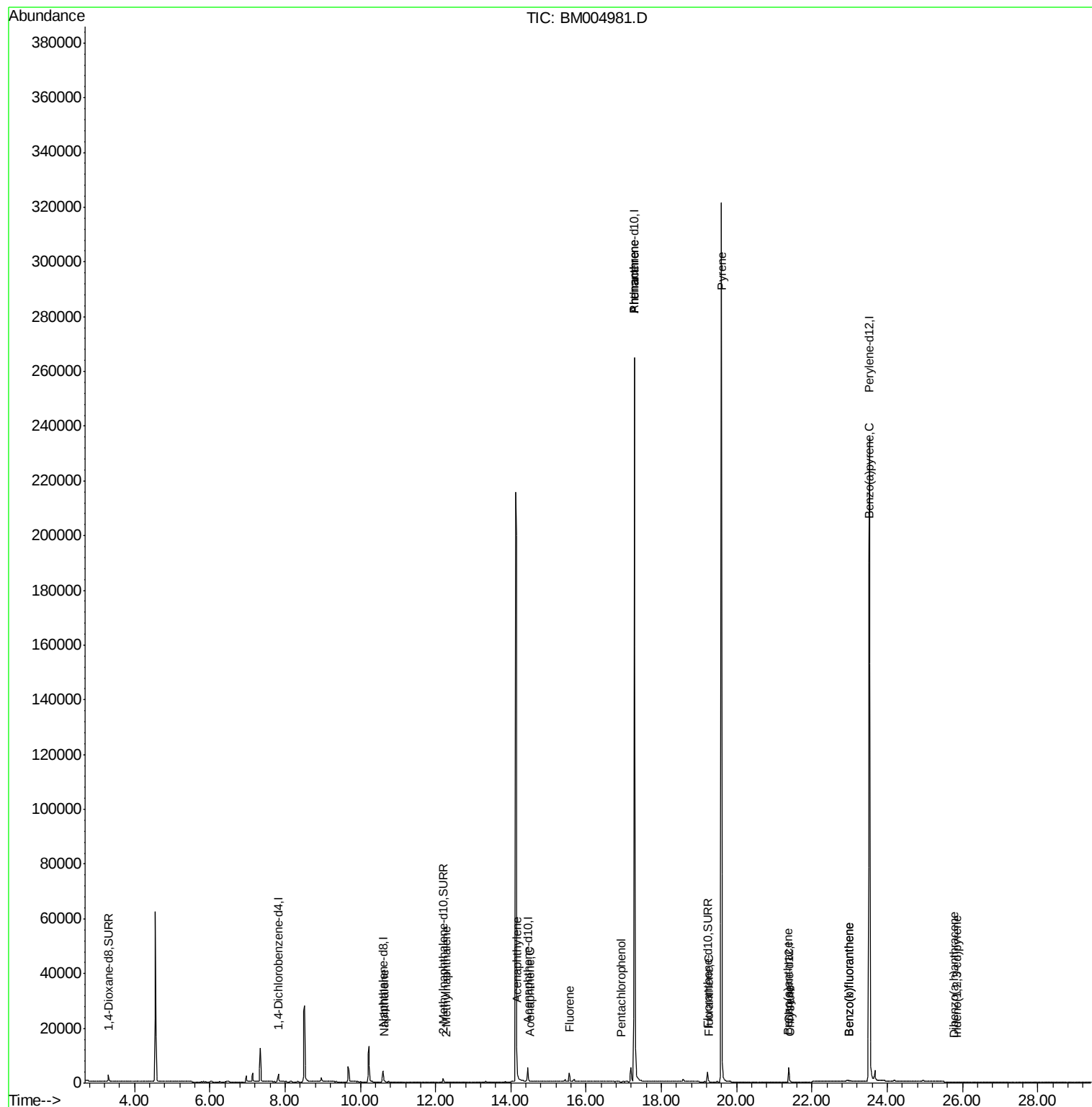
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Naphthalene	10.65	128	639	0.04	ng/ul#	63
7) 2-Methylnaphthalene	12.27	142	94	0.01	ng/ul	90
9) Acenaphthylene	14.16	152	71	0.00	ng/ul#	1
10) Acenaphthene	14.50	153	47	0.00	ng/ul#	79
11) Fluorene	15.56	166	45	0.00	ng/ul#	1
13) Pentachlorophenol	16.94	266	3	0.00	ng/ul#	20
14) Phenanthrene	17.28	178	303	0.00	ng/ul#	1
15) Anthracene	17.28	178	320	0.00	ng/ul#	1
17) Fluoranthene	19.25	202	416	0.00	ng/ul#	52
19) Pyrene	19.59	202	918	0.04	ng/ul#	1
20) Benzo(a)anthracene	21.37	228	184	0.01	ng/ul#	45
21) Chrysene	21.42	228	235	0.01	ng/ul#	58
23) Benzo(b)fluoranthene	22.98	252	301	0.00	ng/ul#	1
24) Benzo(k)fluoranthene	22.98	252	341	0.00	ng/ul#	1
25) Benzo(a)pyrene	23.51	252	1392	0.00	ng/ul#	34
26) Indeno(1,2,3-cd)pyrene	25.84	276	2	0.00	ng/ul#	1
27) Dibenzo(a,h)anthracene	25.78	278	5	0.00	ng/ul#	1

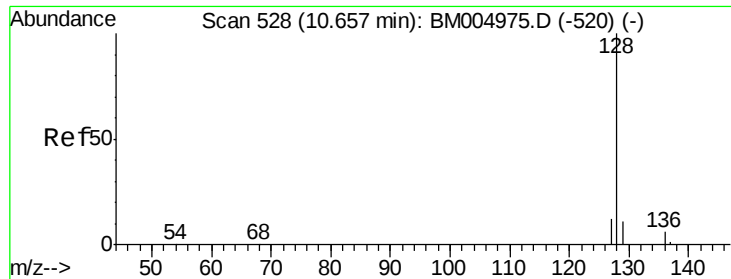
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.04 ng/ul

RT: 10.65 min Scan# 527

Delta R.T. -0.01 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

Instrument :

BNA_M

ClientSampleId :

D9T95

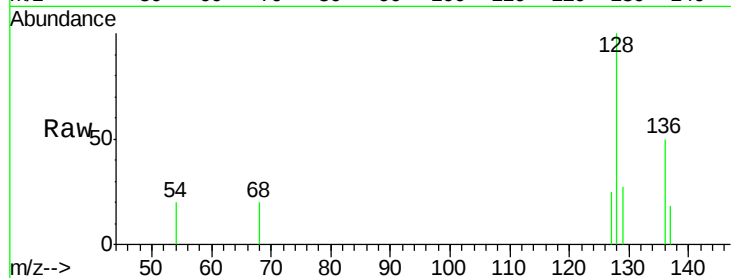
Tot Ion:128 Resp: 639

Ion Ratio Lower Upper

128 100

129 26.6 9.0 13.6#

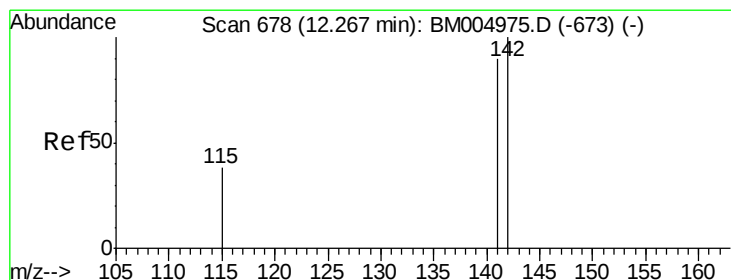
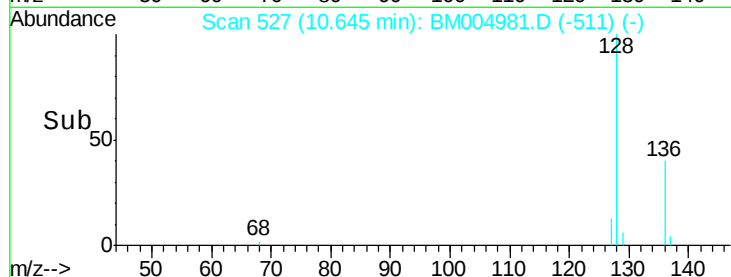
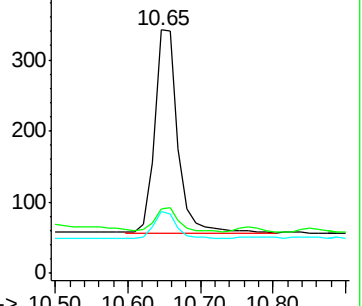
127 25.4 9.6 14.4#



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: 0.01 ng/ul

RT: 12.27 min Scan# 678

Delta R.T. 0.00 min

Lab File: BM004981.D

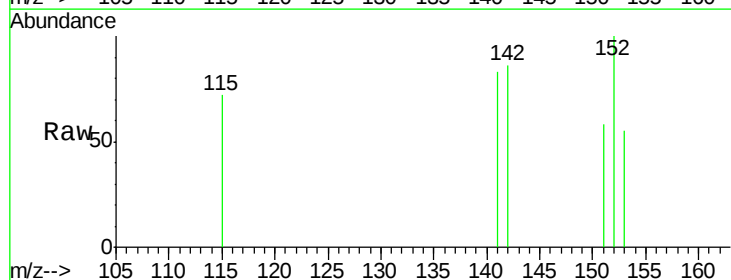
Acq: 18 Apr 2016 20:08

Tgt Ion:142 Resp: 94

Ion Ratio Lower Upper

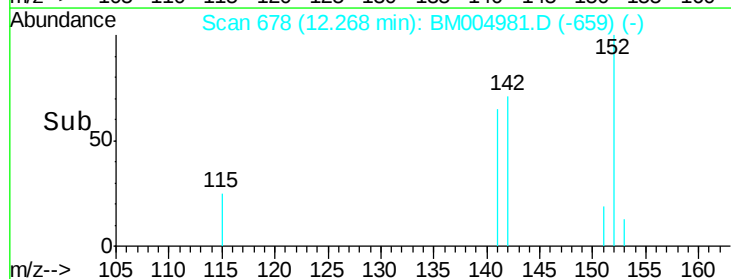
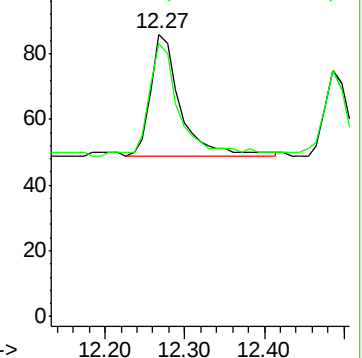
142 100

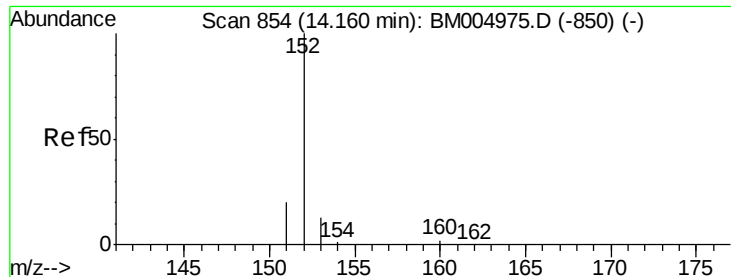
141 96.8 70.3 105.5



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: 14.16 min Scan# 854

Delta R.T. 0.00 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

Instrument :

BNA_M

ClientSampleId :

D9T95

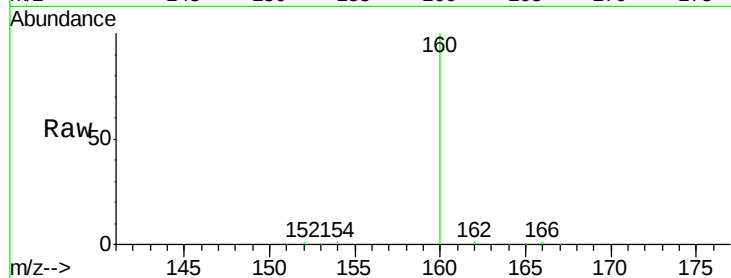
Tot Ion:152 Resp: 71

Ion Ratio Lower Upper

152 100

151 73.6 17.6 26.4#

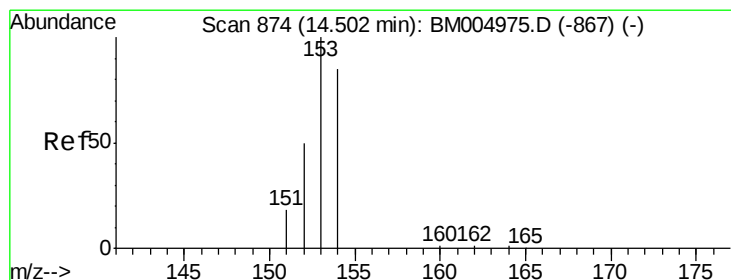
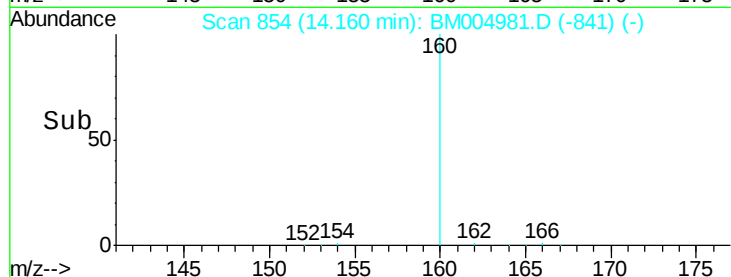
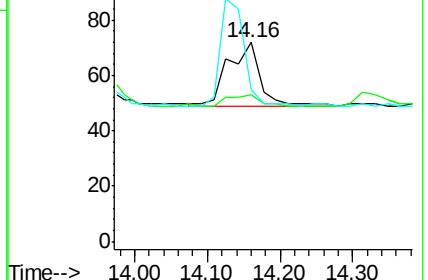
153 76.4 9.7 14.5#



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: 14.50 min Scan# 874

Delta R.T. 0.00 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

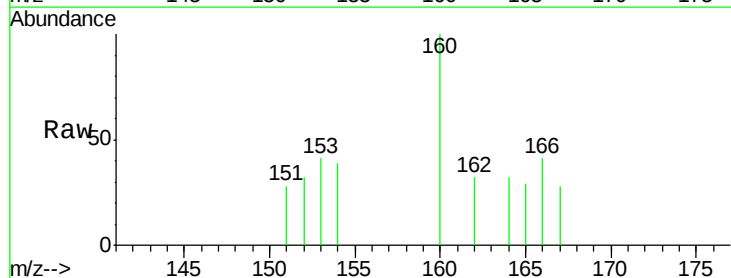
Tgt Ion:153 Resp: 47

Ion Ratio Lower Upper

153 100

152 79.7 33.9 50.9#

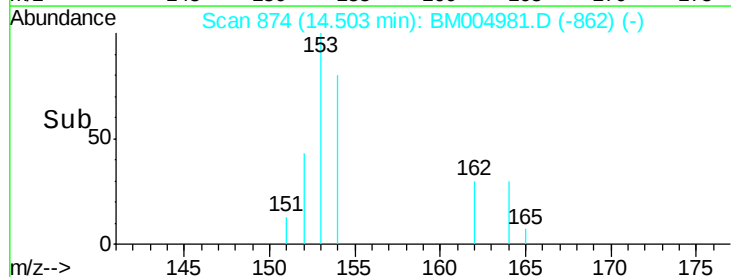
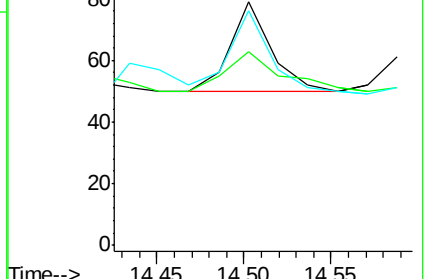
154 96.2 80.6 121.0

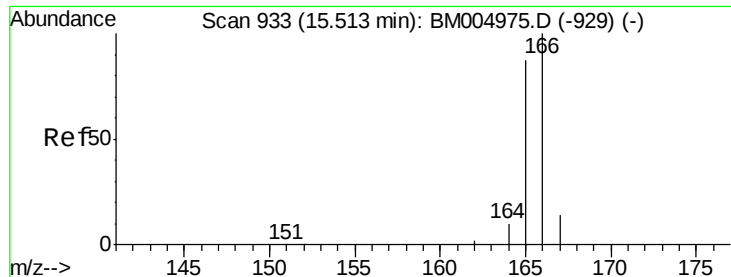


Abundance Ion 153.00 (152.70 to 153.70): E

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: BM004981.D

Acq: 18 Apr 2016 20:08

Instrument :

BNA_M

ClientSampleId :

D9T95

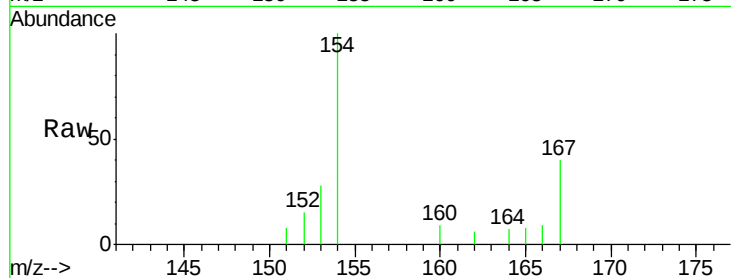
Tot Ion:166 Resp: 45

Ion Ratio Lower Upper

166 100

165 88.4 69.6 104.4

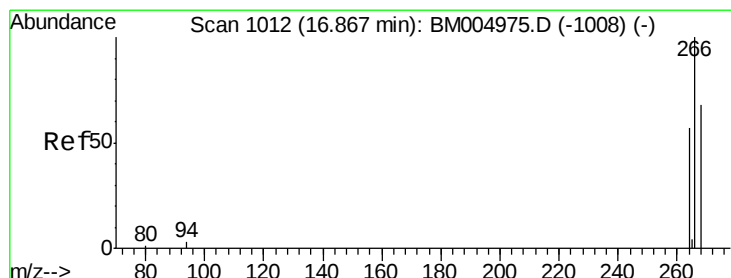
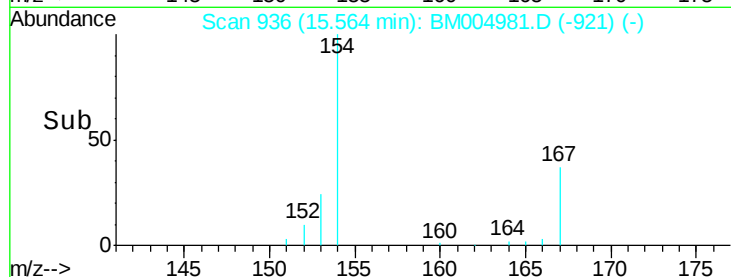
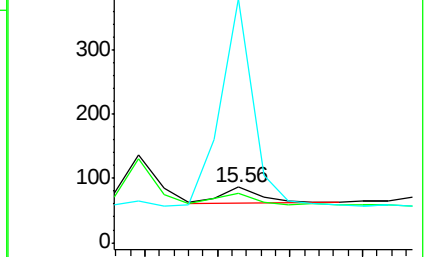
167 441.9 11.9 17.9#



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: 16.94 min Scan# 1016

Delta R.T. 0.07 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

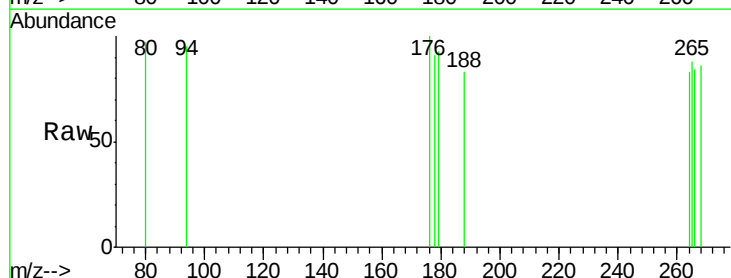
Tgt Ion:266 Resp: 3

Ion Ratio Lower Upper

266 100

264 0.0 51.8 77.8#

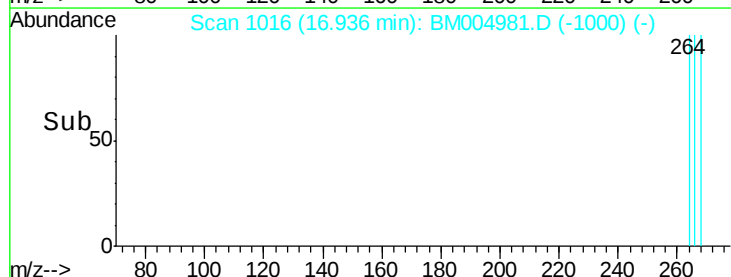
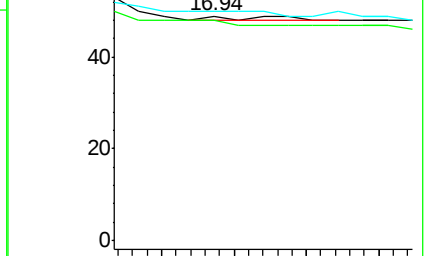
268 0.0 46.8 70.2#

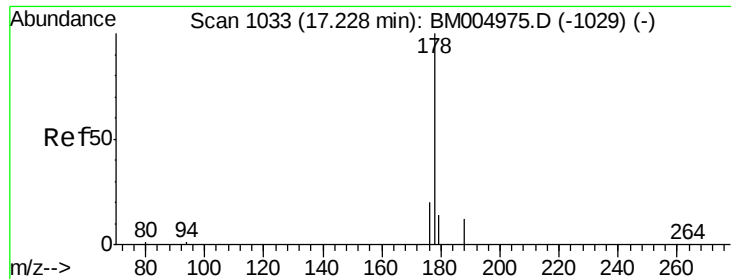


Abundance Ion 266.00 (265.70 to 266.70): E

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: 17.28 min Scan# 1036

Delta R.T. 0.05 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

Instrument :

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ClientSampleId :

D9T95

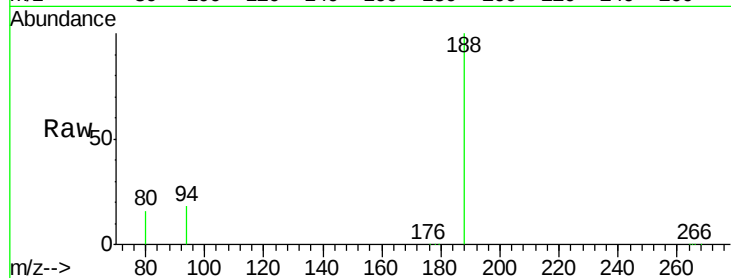
Tot Ion:178 Resp: 303

Ion Ratio Lower Upper

178 100

176 39.9 13.0 19.4#

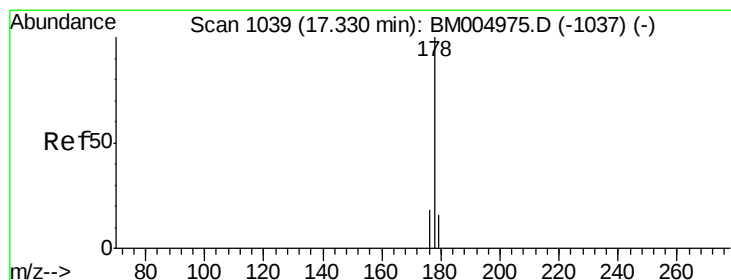
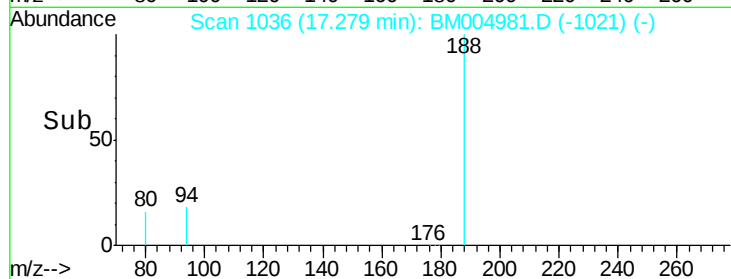
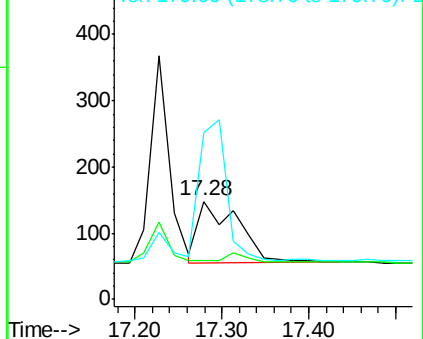
179 170.3 14.2 21.2#



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: 17.28 min Scan# 1036

Delta R.T. -0.05 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

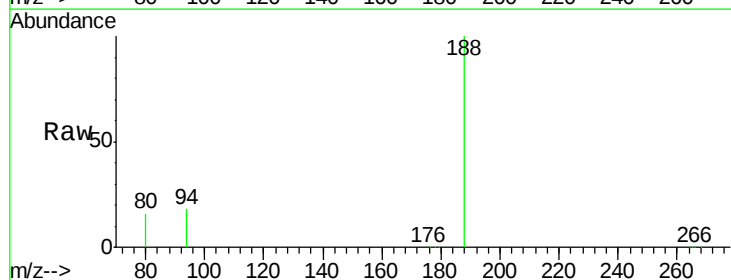
Tgt Ion:178 Resp: 320

Ion Ratio Lower Upper

178 100

176 39.9 14.0 21.0#

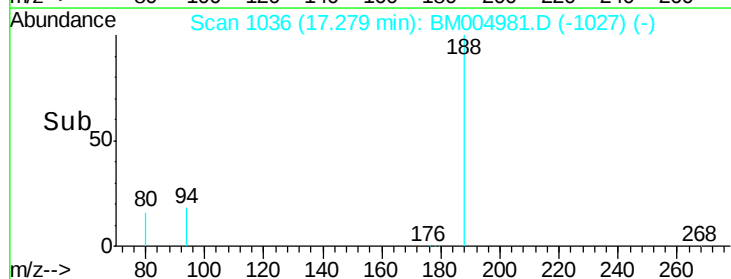
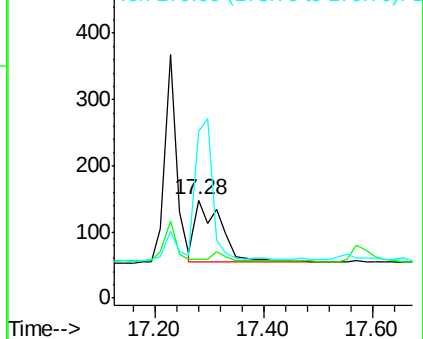
179 170.3 12.9 19.3#

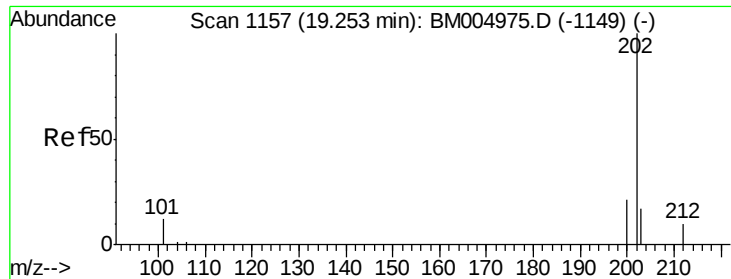


Abundance Ion 178.00 (177.70 to 178.70): E

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: BM004981.D

Acq: 18 Apr 2016 20:08

Instrument :

BNA_M

ClientSampleId :

D9T95

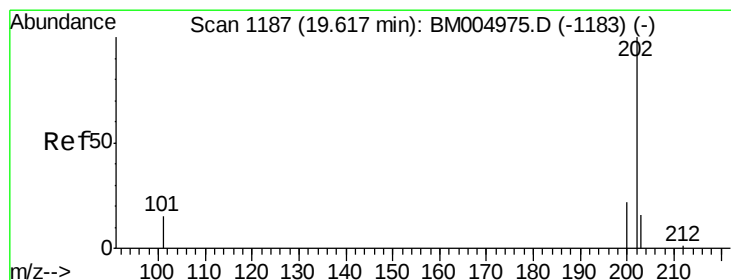
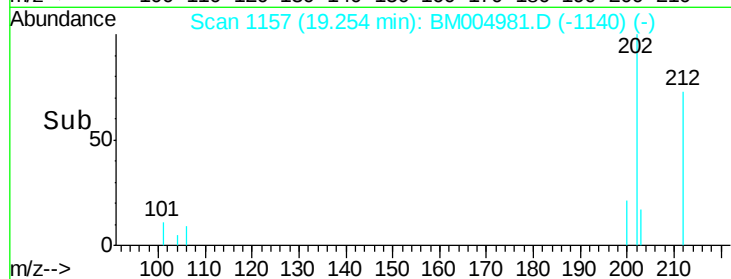
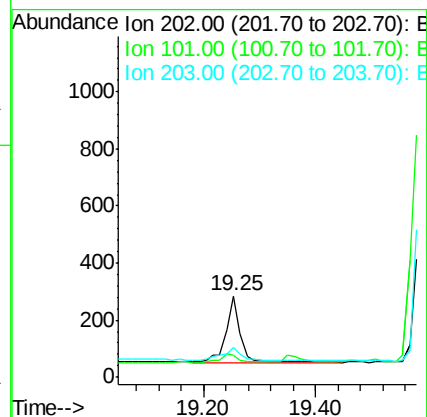
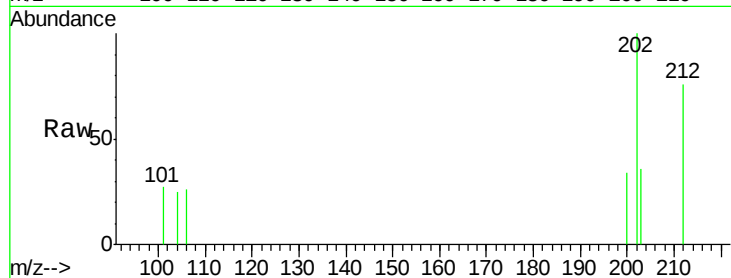
Tot Ion:202 Resp: 416

Ion Ratio Lower Upper

202 100

101 27.4 0.0 29.6

203 36.5 0.0 36.3#



#19

Pyrene

Concen: 0.04 ng/ul

RT: 19.59 min Scan# 1185

Delta R.T. -0.02 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

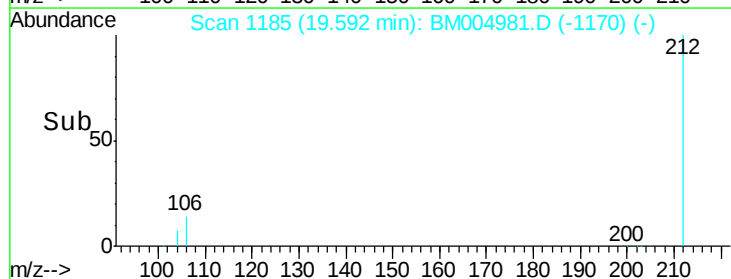
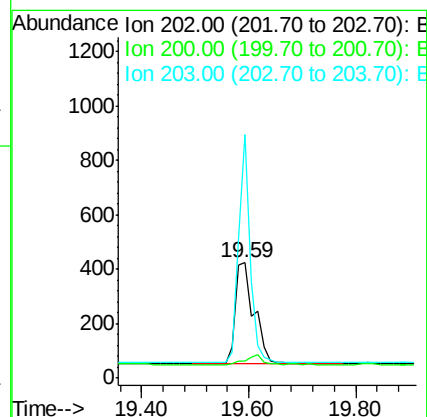
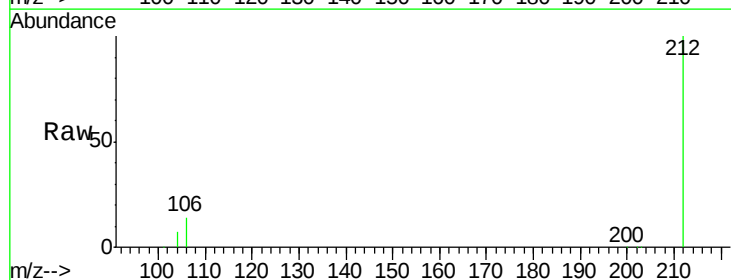
Tgt Ion:202 Resp: 918

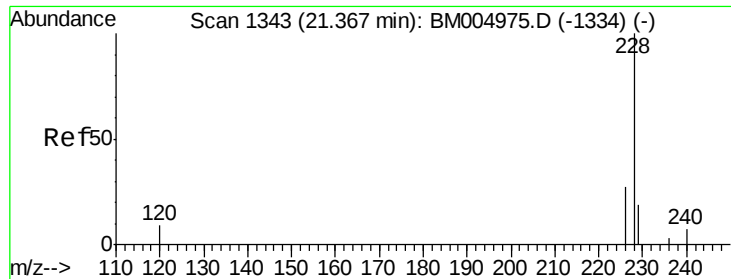
Ion Ratio Lower Upper

202 100

200 14.6 17.8 26.8#

203 211.3 12.8 19.2#





#20

Benzo(a)anthracene

Concen: 0.01 ng/ul

RT: 21.37 min Scan# 1343

Delta R.T. 0.00 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

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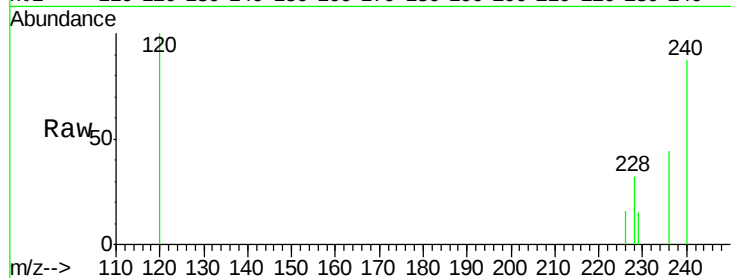
Tot Ion:228 Resp: 184

Ion Ratio Lower Upper

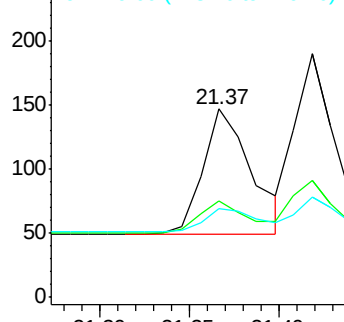
228 100

226 51.0 18.8 28.2#

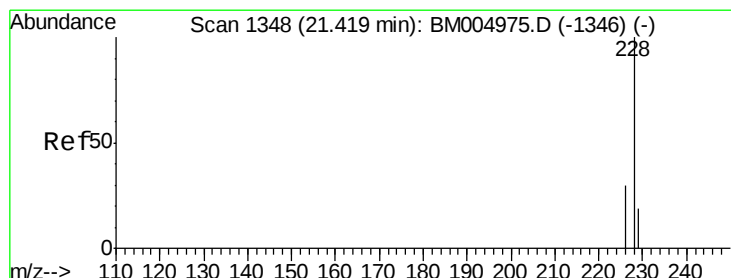
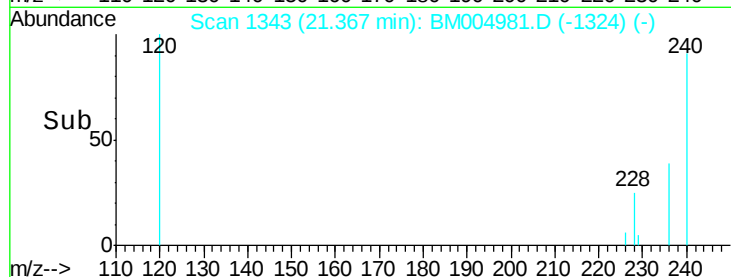
229 46.9 17.1 25.7#



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



Time-->



#21

Chrysene

Concen: 0.01 ng/ul

RT: 21.42 min Scan# 1348

Delta R.T. 0.00 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

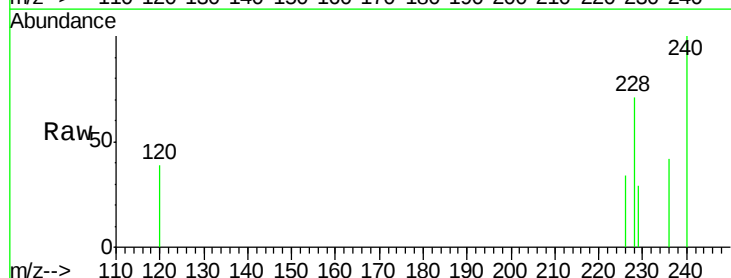
Tgt Ion:228 Resp: 235

Ion Ratio Lower Upper

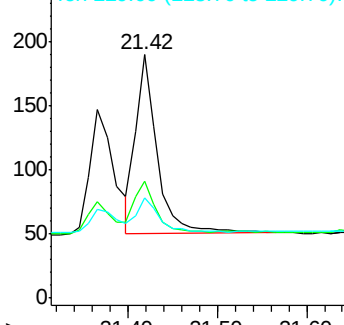
228 100

226 47.9 21.2 31.8#

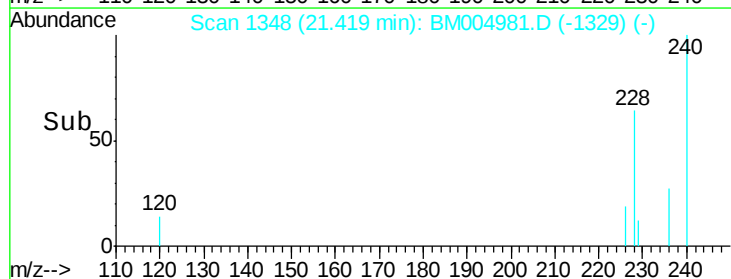
229 41.1 17.0 25.6#

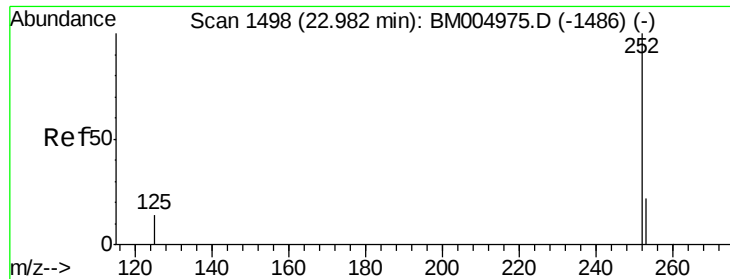


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



Time-->





#23

Benzo(b)fluoranthene

Concen: 0.00 ng/ul

RT: 22.98 min Scan# 1498

Delta R.T. 0.00 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

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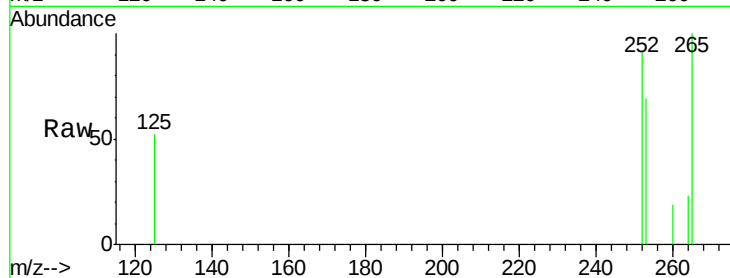
Tot Ion:252 Resp: 301

Ion Ratio Lower Upper

252 100

253 75.7 0.0 45.4#

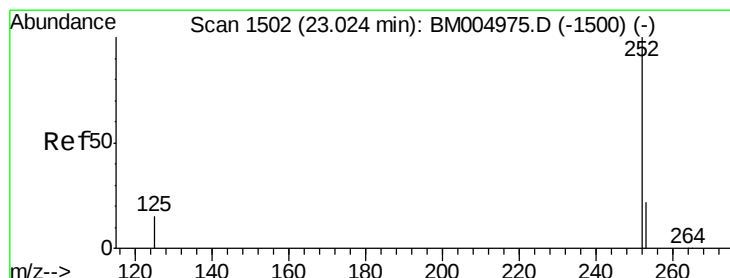
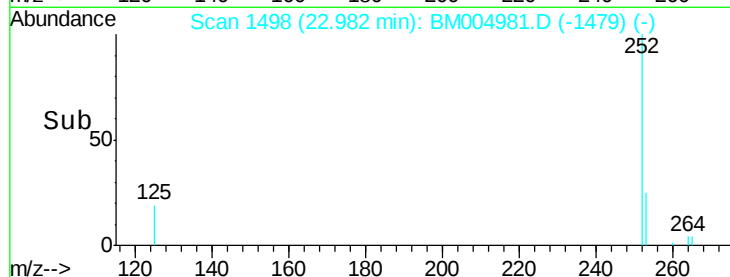
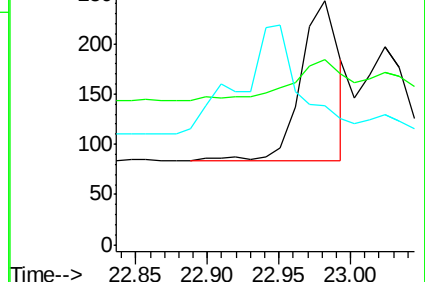
125 57.2 0.0 28.8#



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/ul

RT: 22.98 min Scan# 1498

Delta R.T. -0.04 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

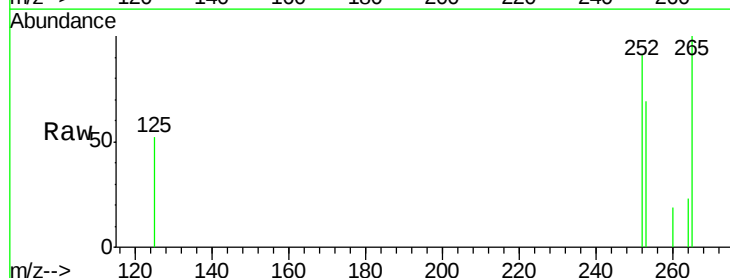
Tgt Ion:252 Resp: 341

Ion Ratio Lower Upper

252 100

253 75.7 19.8 29.8#

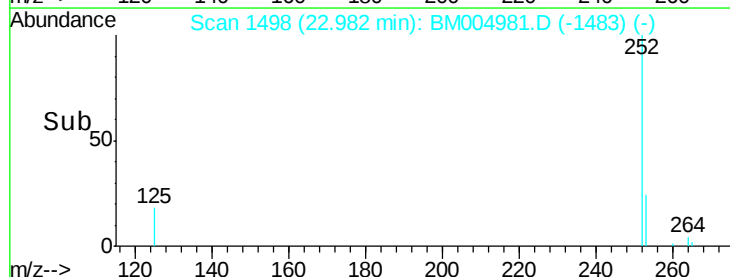
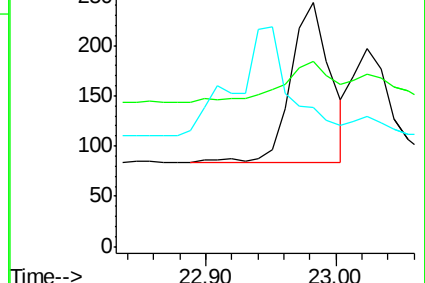
125 57.2 10.4 15.6#

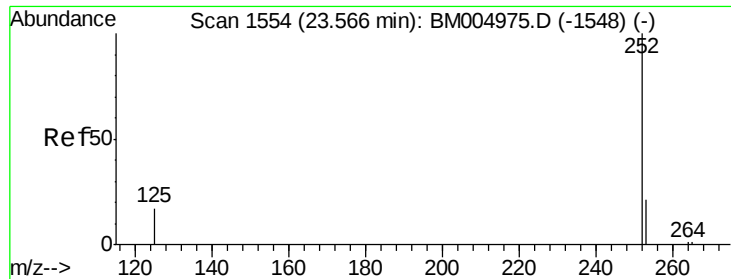


Abundance Ion 252.00 (251.70 to 252.70): E

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/ul

RT: 23.51 min Scan# 1549

Delta R.T. -0.05 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

Instrument :

BNA_M

ClientSampleId :

D9T95

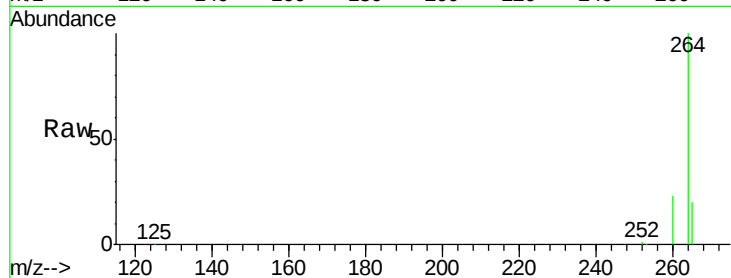
Tot Ion:252 Resp: 1392

Ion Ratio Lower Upper

252 100

253 46.7 19.4 29.2#

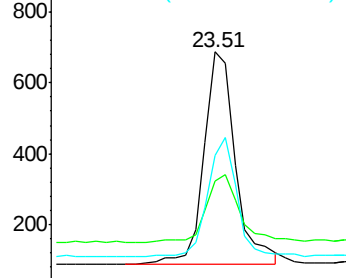
125 57.6 12.7 19.1#



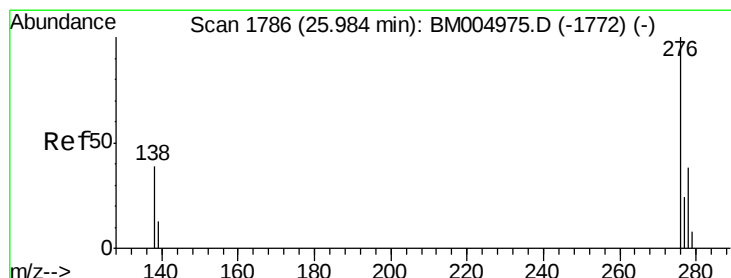
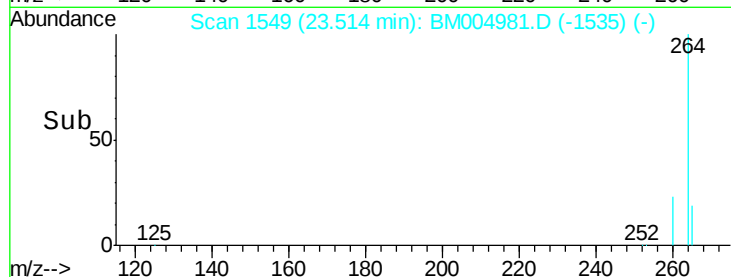
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#26

Indeno(1,2,3-cd)pyrene

Concen: 0.00 ng/ul

RT: 25.84 min Scan# 1772

Delta R.T. -0.15 min

Lab File: BM004981.D

Acq: 18 Apr 2016 20:08

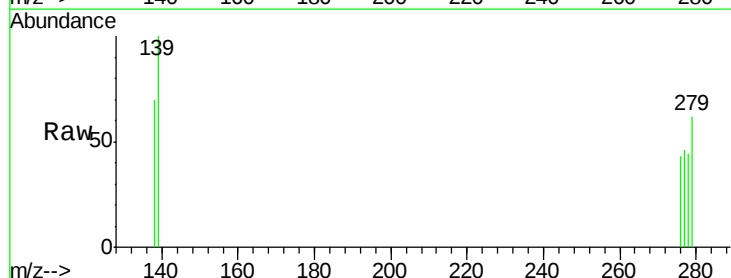
Tgt Ion:276 Resp: 2

Ion Ratio Lower Upper

276 100

138 3000.0 16.3 24.5#

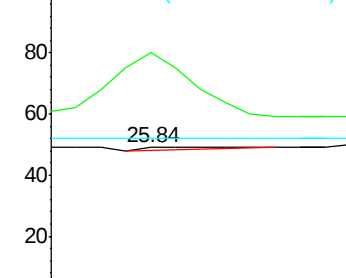
277 0.0 19.8 29.8#



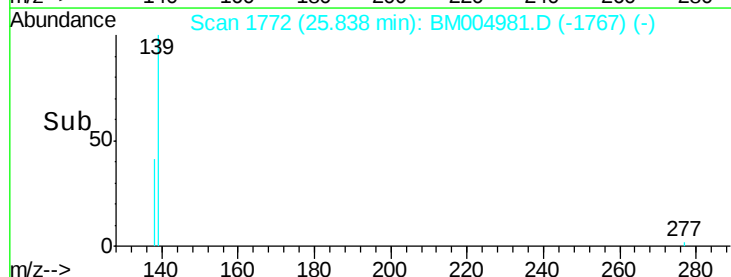
Abundance Ion 276.00 (275.70 to 276.70): E

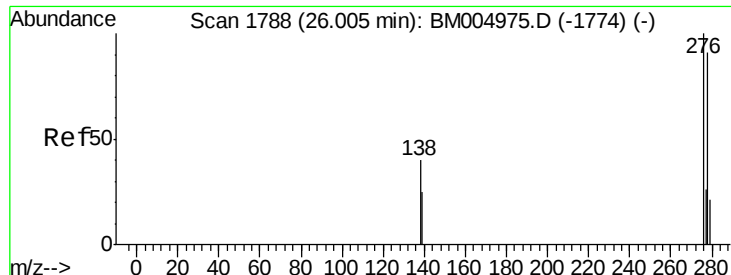
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



Time-->





#27
 Dibenzo(a,h)anthracene
 Concen: 0.00 ng/ul
 RT: 25.78 min Scan# 1766
 Delta R.T. -0.23 min
 Lab File: BM004981.D
 Acq: 18 Apr 2016 20:08

Instrument :
 BNA_M
 ClientSampleId :
 D9T95

Tot Ion	Ratio	Lower	Upper
278	100		
139	118.0	16.4	24.6#
279	138.0	20.2	30.2#

