

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM102215\
 Data File : BM002954.D
 Acq On : 21 Oct 2015 19:12
 Operator : UM/IZ
 Sample : G4075-01
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JG9H8

Quant Time: Oct 22 12:03:39 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\SOM02.2-EPA-SIM-BM102215.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 21 16:23:48 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.66	152	6937	0.40	ng/ul	0.00
4) Naphthalene-d8	11.49	136	30189	0.40	ng/ul	-0.01
8) Acenaphthene-d10	15.23	164	17459	0.40	ng/ul	0.00
12) Phenanthrene-d10	18.03	188	2616389	0.40	ng/ul	0.08
18) Chrysene-d12	22.04	240	29707	0.40	ng/ul	0.00
22) Perylene-d12	24.61	264	23765	0.40	ng/ul	-0.01

System Monitoring Compounds						
2) 1,4-Dioxane-d8	3.71	96	34420	4.64	ng/uL	0.00
6) 2-Methylnaphthalene-d10	13.04	152	15791	0.31	ng/ul	-0.01
16) Fluoranthene-d10	19.93	212	31444	0.00	ng/ul	0.00

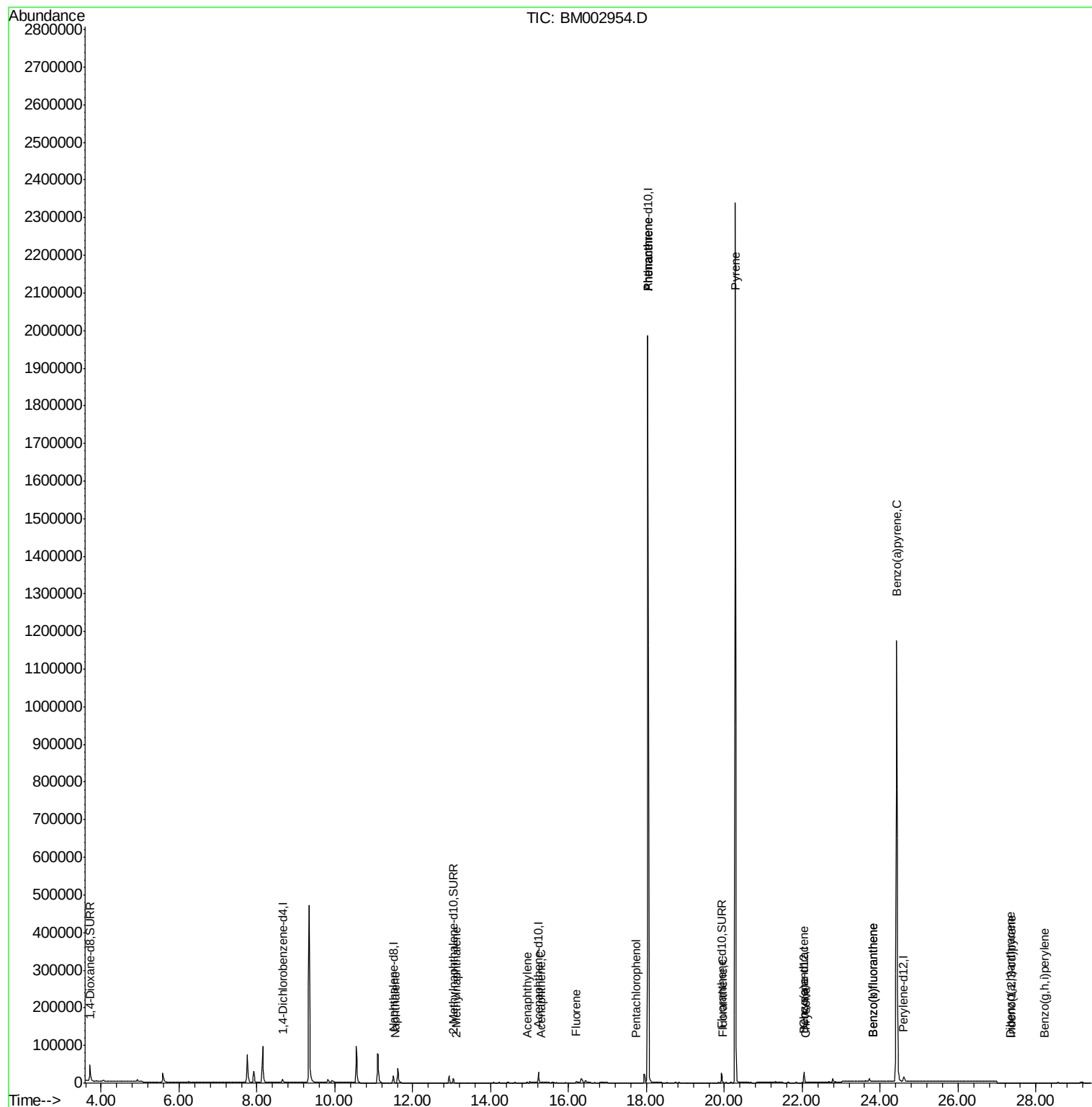
Target Compounds				Qvalue		
5) Naphthalene	11.54	128	311	0.00	ng/ul#	5
7) 2-Methylnaphthalene	13.11	142	408	0.01	ng/ul	89
9) Acenaphthylene	14.93	152	330	0.00	ng/ul#	1
10) Acenaphthene	15.30	153	128	0.00	ng/ul#	55
11) Fluorene	16.20	166	4876	0.06	ng/ul#	8
13) Pentachlorophenol	17.74	266	6	0.00	ng/ul#	16
14) Phenanthrene	18.03	178	1350	0.00	ng/ul#	1
15) Anthracene	18.03	178	1256	0.00	ng/ul#	1
17) Fluoranthene	19.96	202	1676	0.00	ng/ul#	58
19) Pyrene	20.28	202	5731	0.05	ng/ul#	1
20) Benzo(a)anthracene	22.03	228	950	0.01	ng/ul#	53
21) Chrysene	22.08	228	1626	0.02	ng/ul#	71
23) Benzo(b)fluoranthene	23.82	252	1403	0.02	ng/ul#	1
24) Benzo(k)fluoranthene	23.82	252	1403	0.02	ng/ul#	1
25) Benzo(a)pyrene	24.42	252	7828	0.10	ng/ul#	53
26) Indeno(1,2,3-cd)pyrene	27.37	276	462	0.01	ng/ul#	90
27) Dibenzo(a,h)anthracene	27.34	278	193	0.00	ng/ul#	1
28) Benzo(g,h,i)perylene	28.22	276	555	0.01	ng/ul#	1

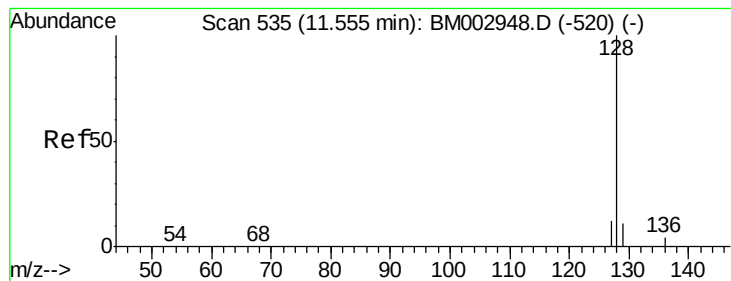
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Naphthalene

Concen: 0.00 ng/ul

RT: 11.54 min Scan# 534

Delta R.T. -0.01 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

Instrument :

BNA_M

ClientSampleId :

JG9H8

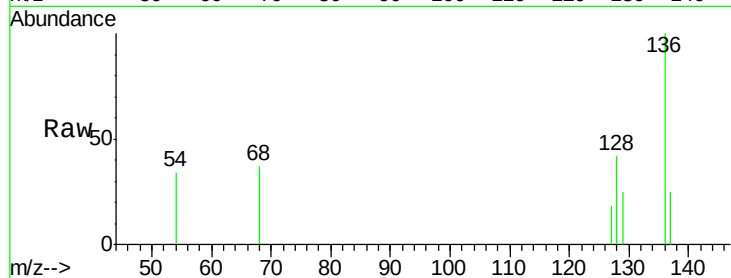
Tgt Ion:128 Resp: 311

Ion Ratio Lower Upper

128 100

129 58.9 9.8 14.8#

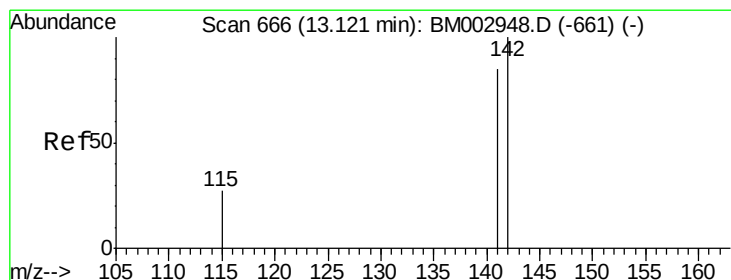
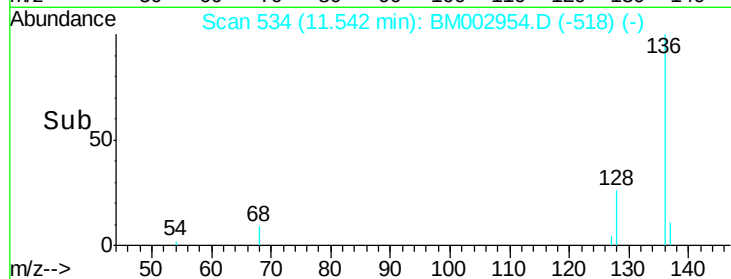
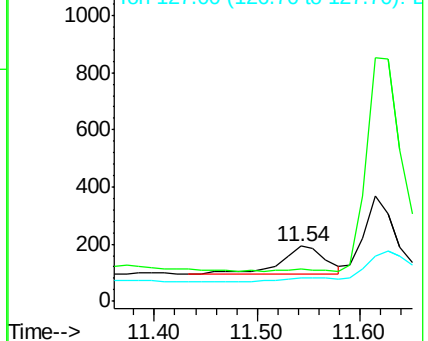
127 42.7 10.7 16.1#



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: 13.11 min Scan# 665

Delta R.T. -0.01 min

Lab File: BM002954.D

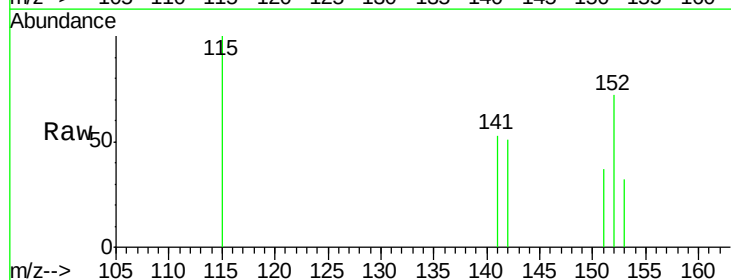
Acq: 21 Oct 2015 19:12

Tgt Ion:142 Resp: 408

Ion Ratio Lower Upper

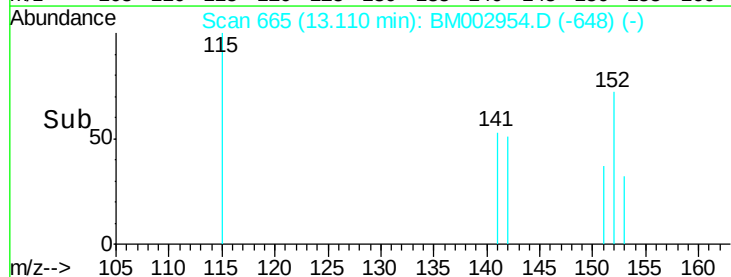
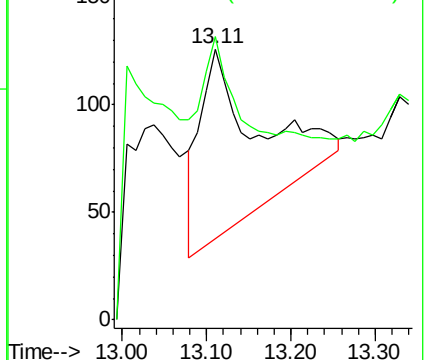
142 100

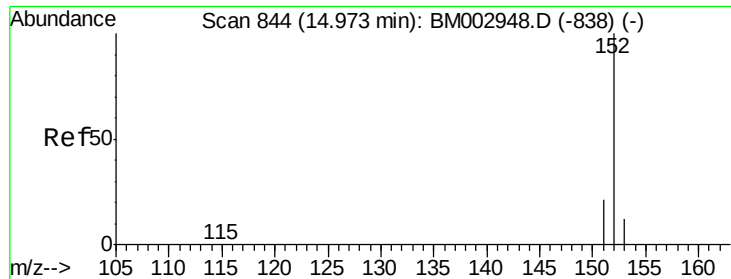
141 98.5 70.3 105.5



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: 14.93 min Scan# 840

Delta R.T. -0.04 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

Instrument :

BNA_M

ClientSampleId :

JG9H8

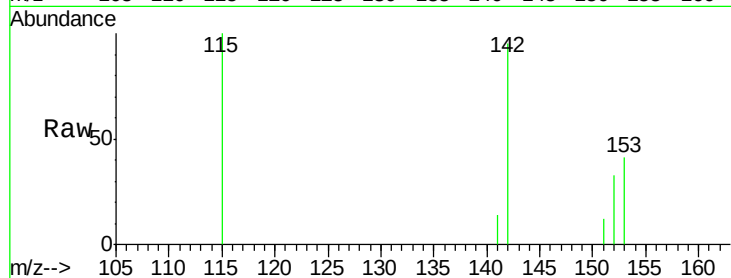
Tgt Ion:152 Resp: 330

Ion Ratio Lower Upper

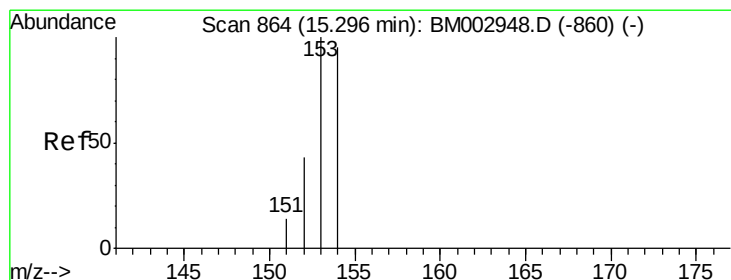
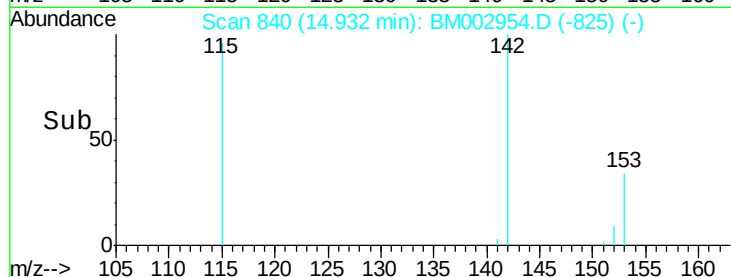
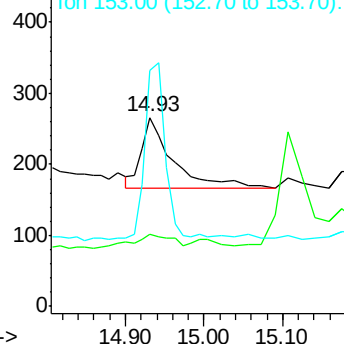
152 100

151 38.0 16.8 25.2#

153 125.2 11.3 16.9#



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: 15.30 min Scan# 864

Delta R.T. -0.00 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

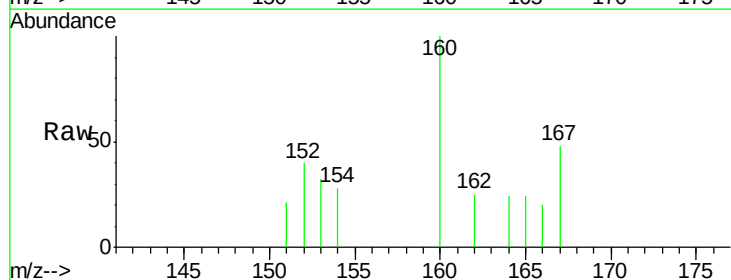
Tgt Ion:153 Resp: 128

Ion Ratio Lower Upper

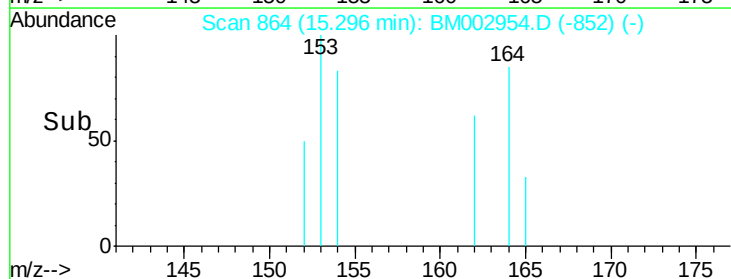
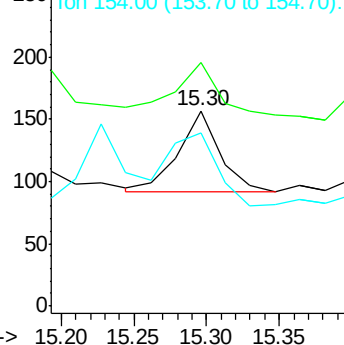
153 100

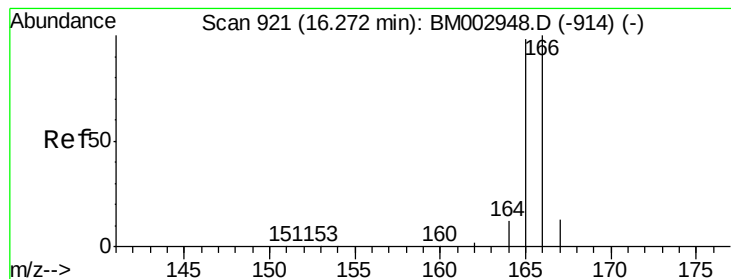
152 124.8 42.3 63.5#

154 88.5 64.7 97.1



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: 0.06 ng/ul

RT: 16.20 min Scan# 917

Delta R.T. -0.07 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

Instrument :

BNA_M

ClientSampleId :

JG9H8

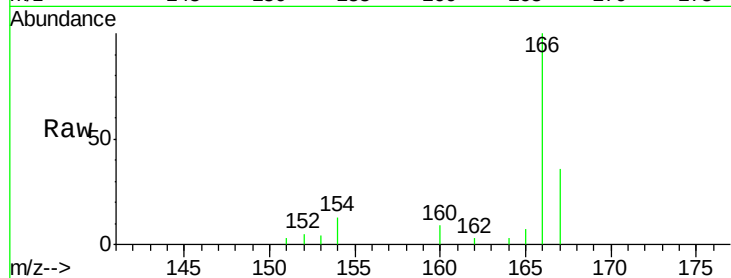
Tgt Ion:166 Resp: 4876

Ion Ratio Lower Upper

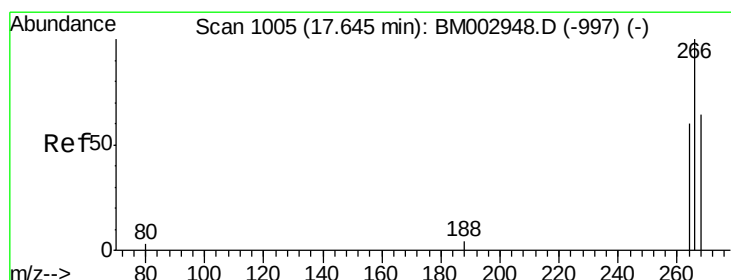
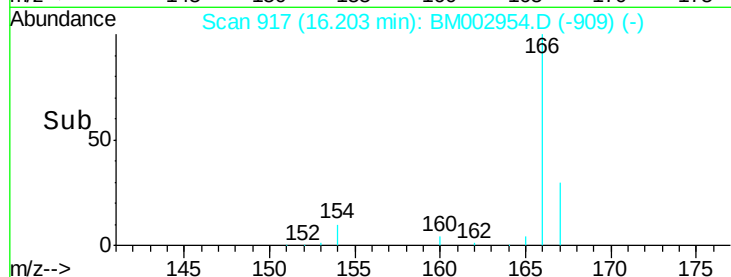
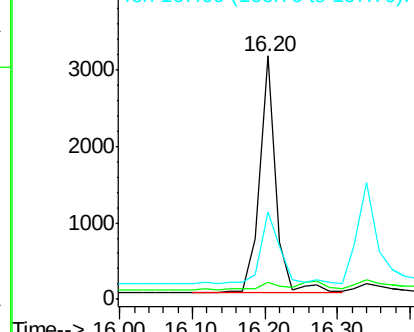
166 100

165 7.3 87.6 131.4#

167 36.0 11.1 16.7#



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: 17.74 min Scan# 1011

Delta R.T. 0.09 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

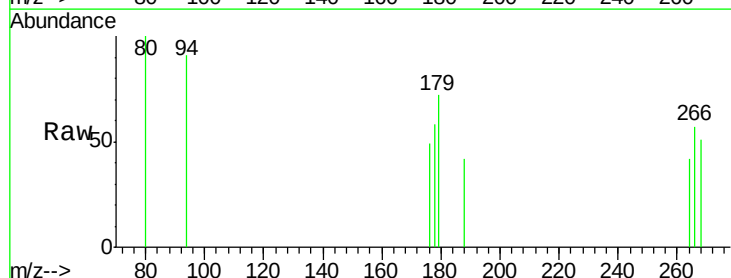
Tgt Ion:266 Resp: 6

Ion Ratio Lower Upper

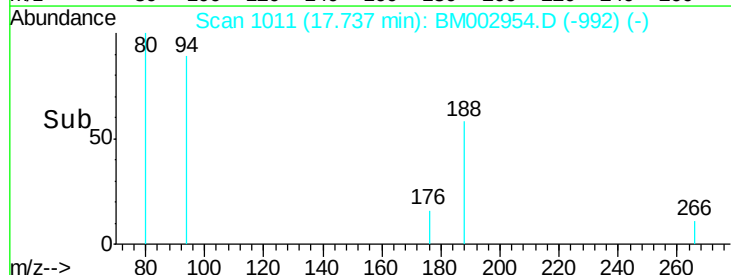
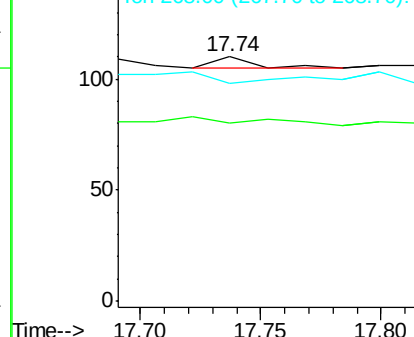
266 100

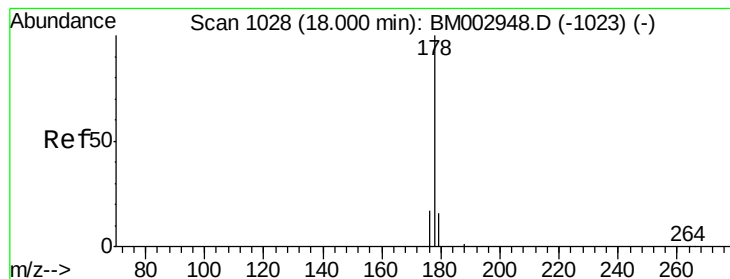
264 0.0 53.5 80.3#

268 0.0 54.2 81.2#



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: 18.03 min Scan# 1030

Delta R.T. 0.03 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

Instrument :

BNA_M

ClientSampleId :

JG9H8

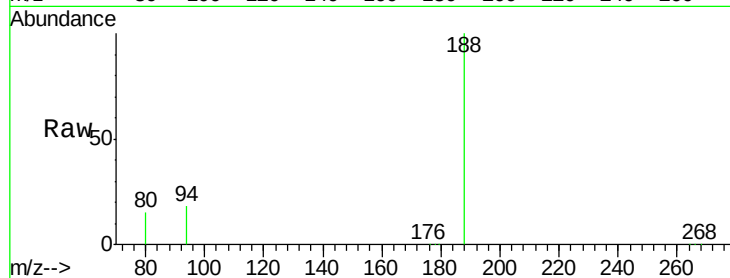
Tgt Ion:178 Resp: 1350

Ion Ratio Lower Upper

178 100

176 14.7 16.2 24.4#

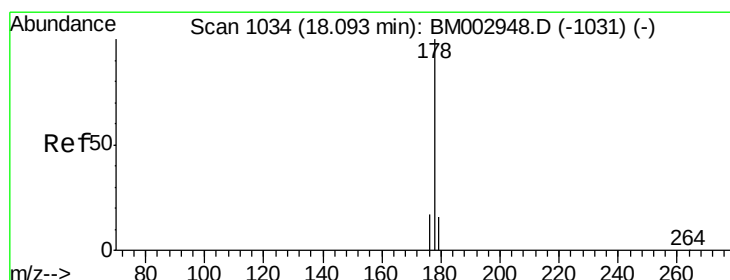
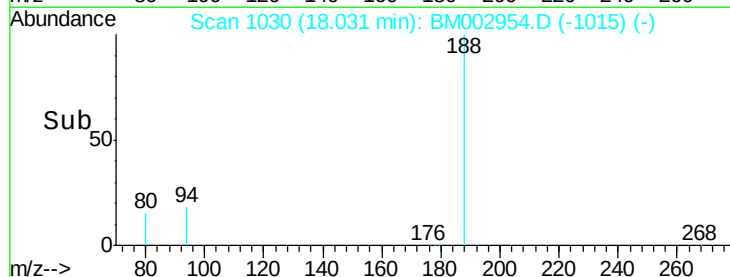
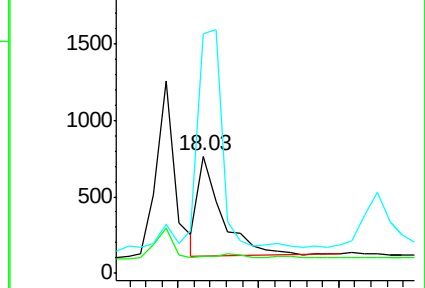
179 204.6 12.8 19.2#



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: 18.03 min Scan# 1030

Delta R.T. -0.06 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

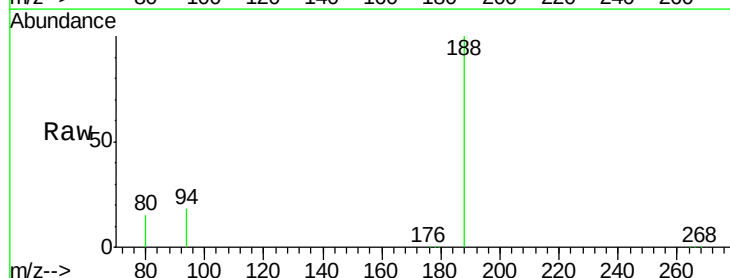
Tgt Ion:178 Resp: 1256

Ion Ratio Lower Upper

178 100

176 14.7 15.8 23.8#

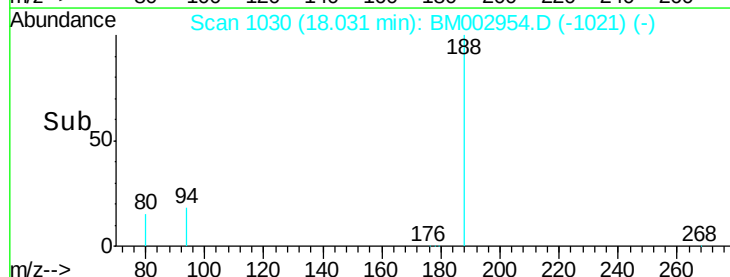
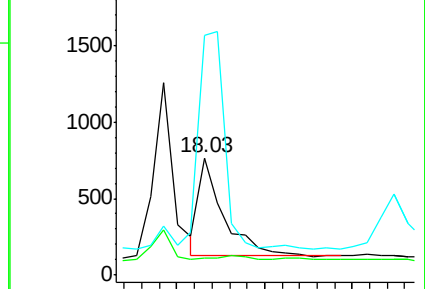
179 204.6 13.3 19.9#

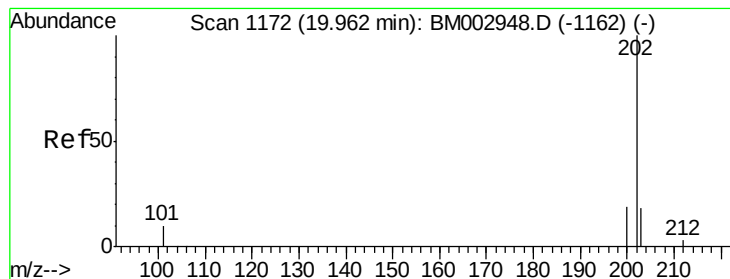


Abundance Ion 178.00 (177.70 to 178.70): E

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: 19.96 min Scan# 1172

Delta R.T. -0.00 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

Instrument :

BNA_M

ClientSampleId :

JG9H8

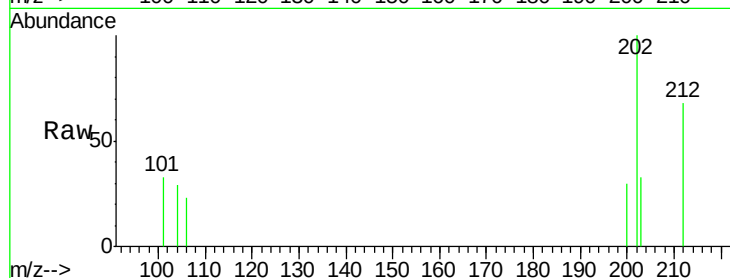
Tgt Ion:202 Resp: 1676

Ion Ratio Lower Upper

202 100

101 33.2 0.0 33.1#

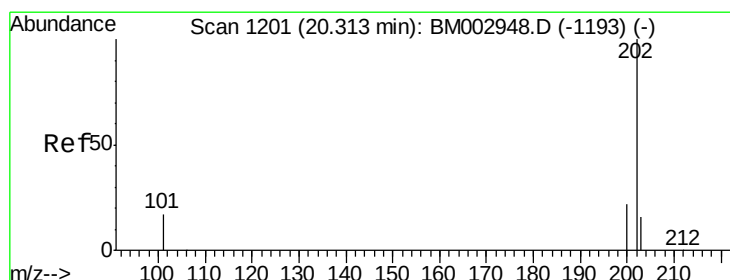
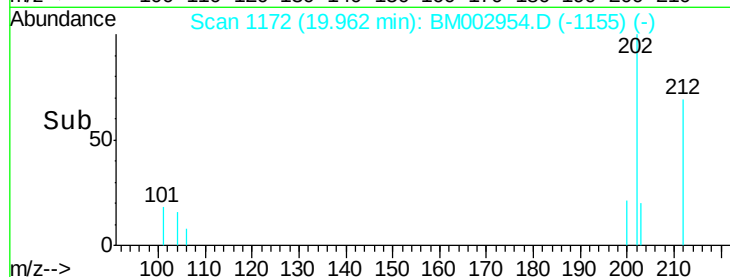
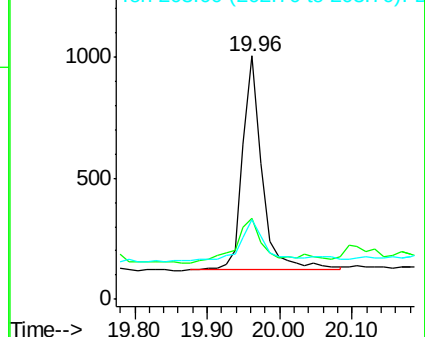
203 32.9 0.0 37.2



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: 0.05 ng/ul

RT: 20.28 min Scan# 1198

Delta R.T. -0.04 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

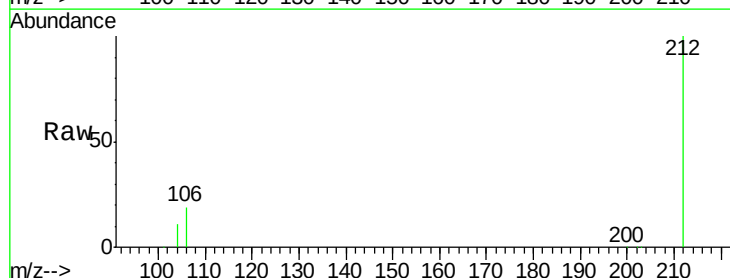
Tgt Ion:202 Resp: 5731

Ion Ratio Lower Upper

202 100

200 7.0 18.0 27.0#

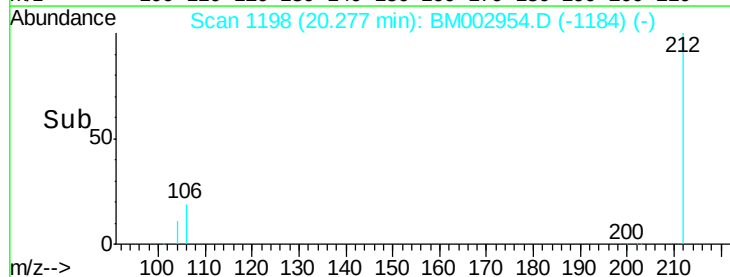
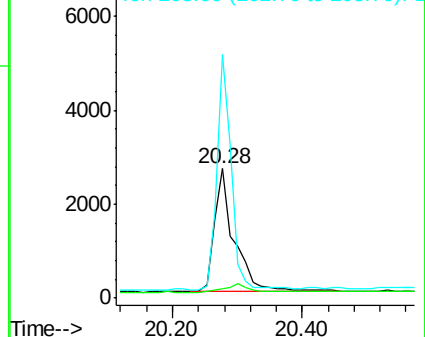
203 188.0 13.8 20.6#

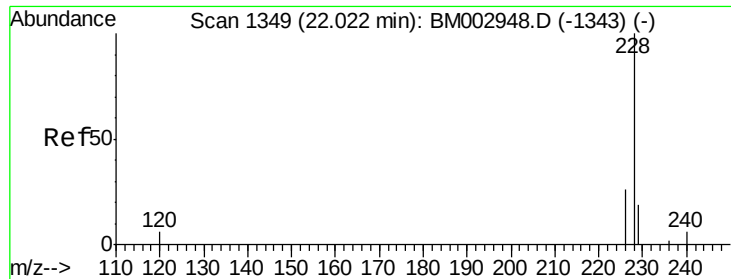


Abundance Ion 202.00 (201.70 to 202.70): E

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: 22.03 min Scan# 1350

Delta R.T. 0.01 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

Instrument :

BNA_M

ClientSampleId :

JG9H8

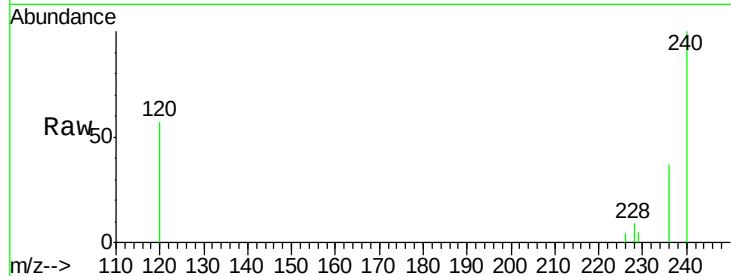
Tgt Ion:228 Resp: 950

Ion Ratio Lower Upper

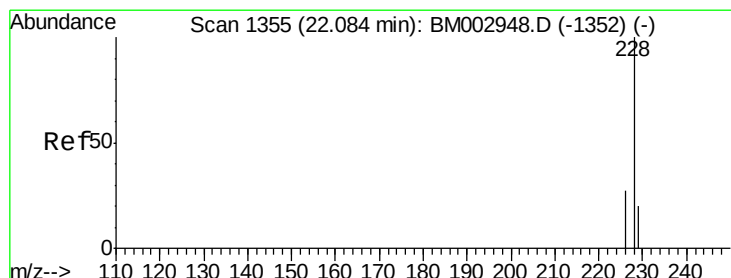
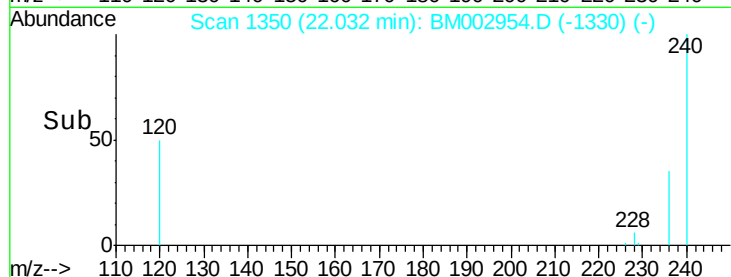
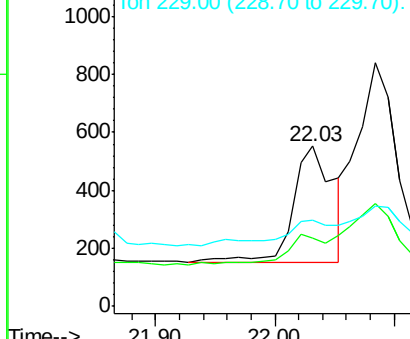
228 100

226 42.9 23.0 34.4#

229 54.1 15.2 22.8#



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: 0.02 ng/ul

RT: 22.08 min Scan# 1355

Delta R.T. -0.00 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

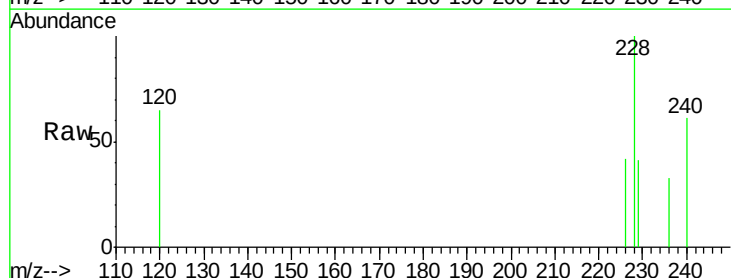
Tgt Ion:228 Resp: 1626

Ion Ratio Lower Upper

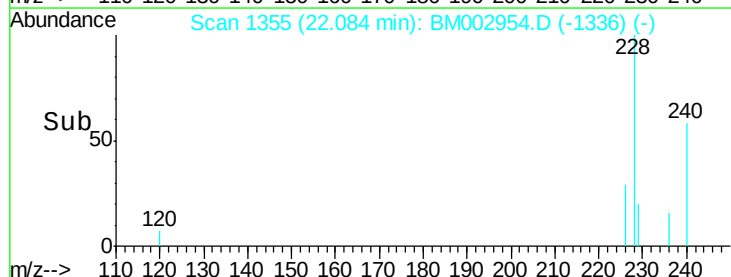
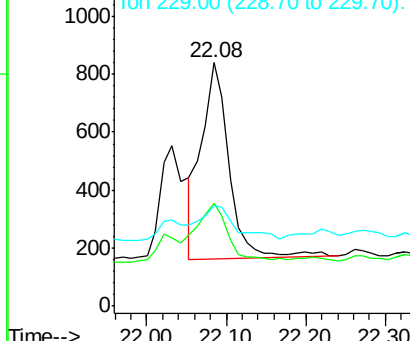
228 100

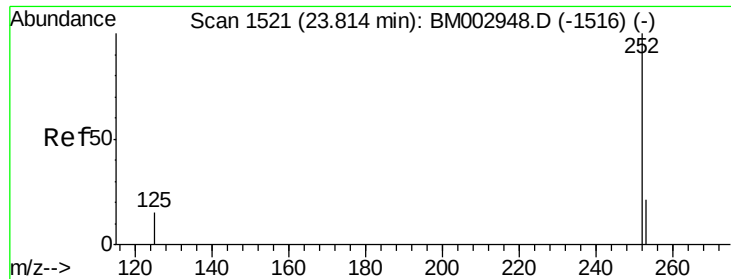
226 42.0 25.7 38.5#

229 41.2 15.2 22.8#



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: 0.02 ng/ul

RT: 23.82 min Scan# 1522

Delta R.T. 0.01 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

Instrument :

BNA_M

ClientSampleId :

JG9H8

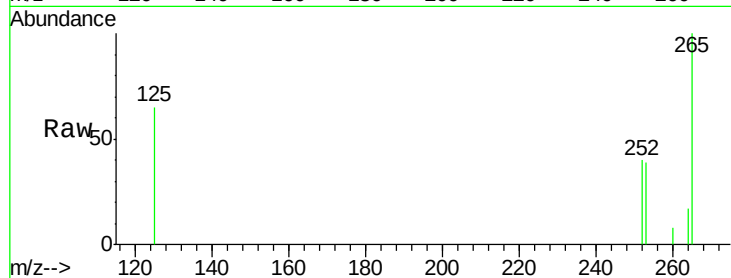
Tgt Ion:252 Resp: 1403

Ion Ratio Lower Upper

252 100

253 98.1 0.0 48.0#

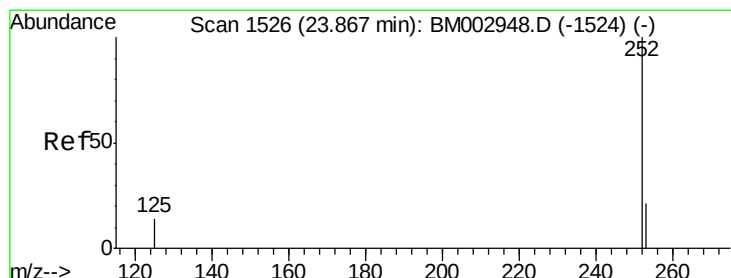
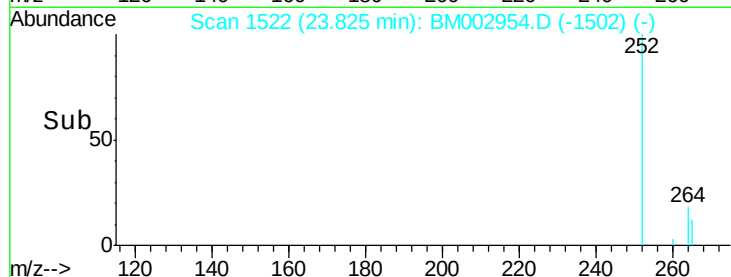
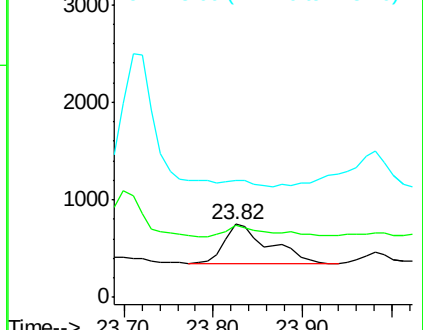
125 161.3 0.0 36.6#



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



#24

Benzo(k)fluoranthene

Concen: 0.02 ng/ul

RT: 23.82 min Scan# 1522

Delta R.T. -0.04 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

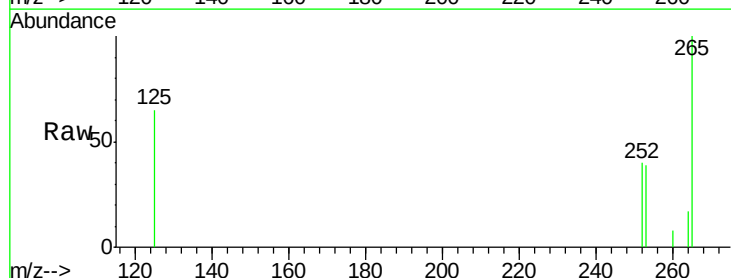
Tgt Ion:252 Resp: 1403

Ion Ratio Lower Upper

252 100

253 98.1 20.8 31.2#

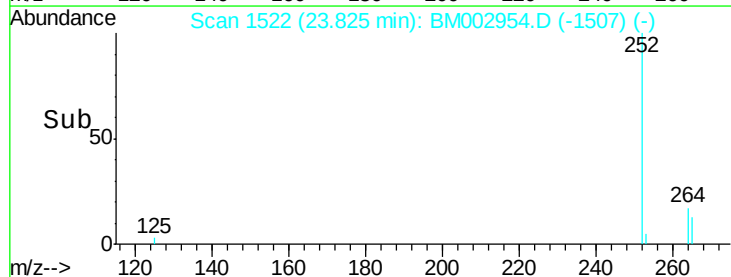
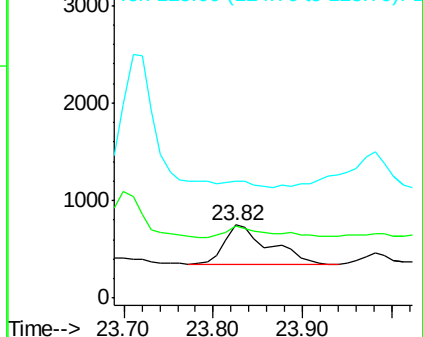
125 161.3 12.2 18.4#

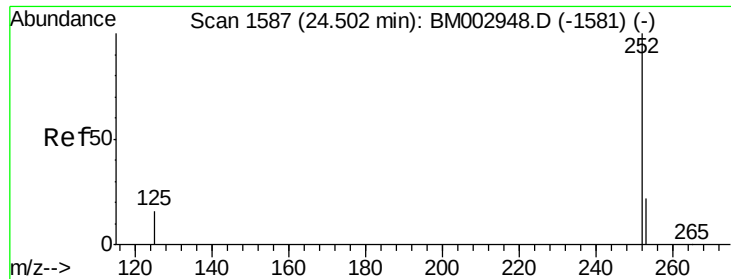


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#25

Benzo(a)pyrene

Concen: 0.10 ng/ul

RT: 24.42 min Scan# 1579

Delta R.T. -0.08 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

Instrument :

BNA_M

ClientSampleId :

JG9H8

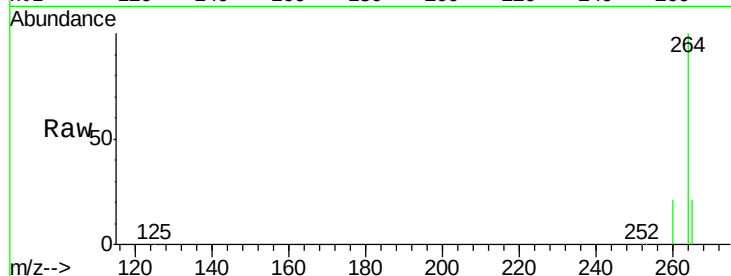
Tgt Ion: 252 Resp: 7828

Ion Ratio Lower Upper

252 100

253 41.5 21.8 32.8#

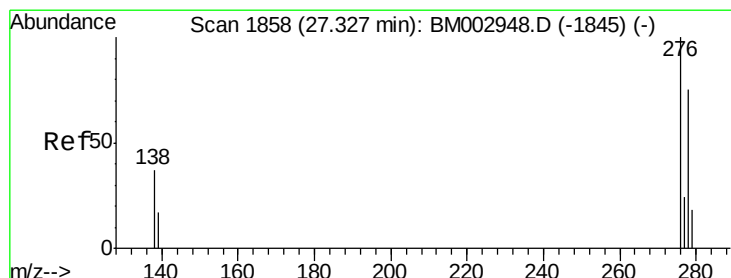
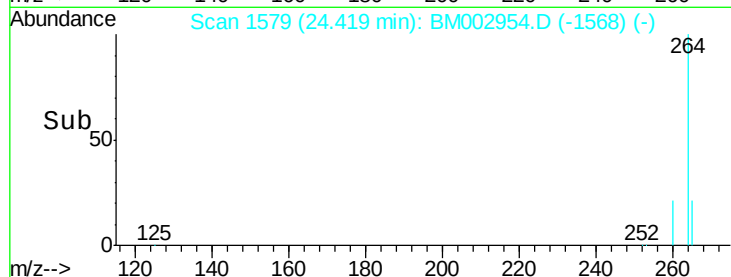
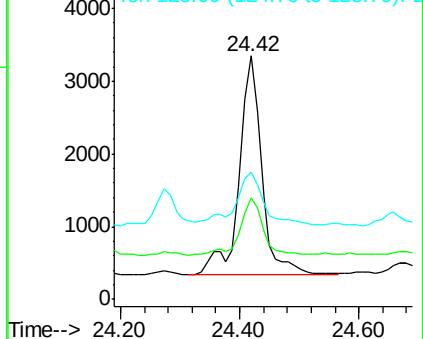
125 52.4 14.5 21.7#



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: 0.01 ng/ul

RT: 27.37 min Scan# 1862

Delta R.T. 0.04 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

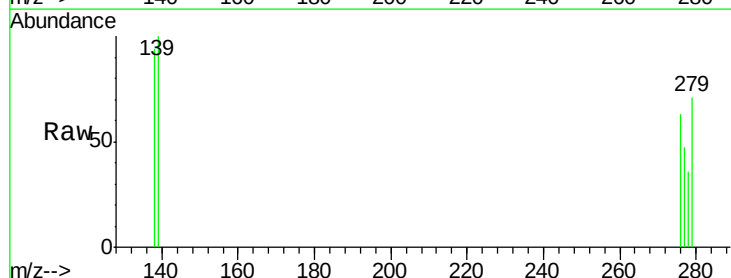
Tgt Ion: 276 Resp: 462

Ion Ratio Lower Upper

276 100

138 25.3 27.5 41.3#

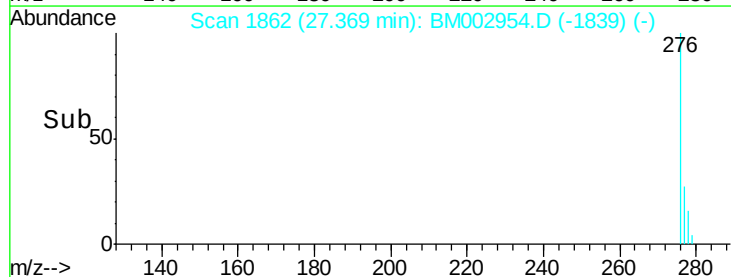
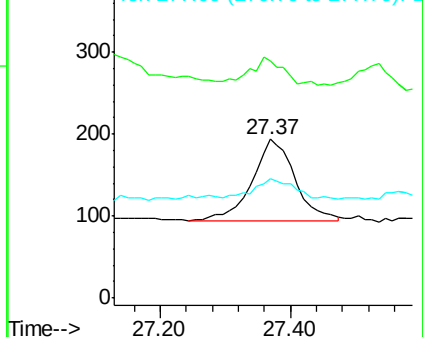
277 23.2 19.3 28.9

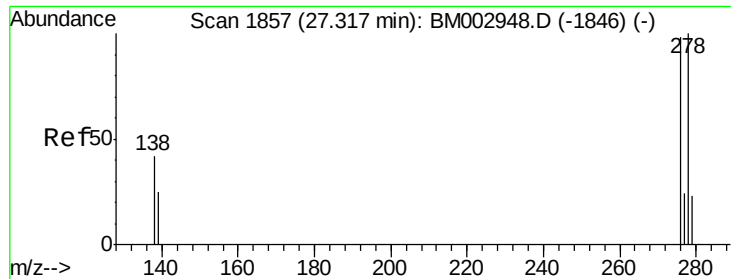


Abundance Ion 276.00 (275.70 to 276.70): E

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: 27.34 min Scan# 1859

Delta R.T. 0.02 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

Instrument :

BNA_M

ClientSampleId :

JG9H8

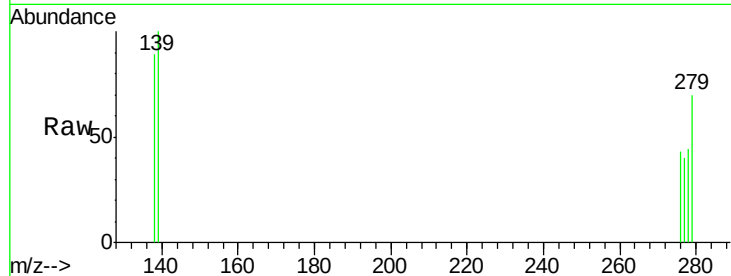
Tgt Ion: 278 Resp: 193

Ion Ratio Lower Upper

278 100

139 228.3 21.7 32.5#

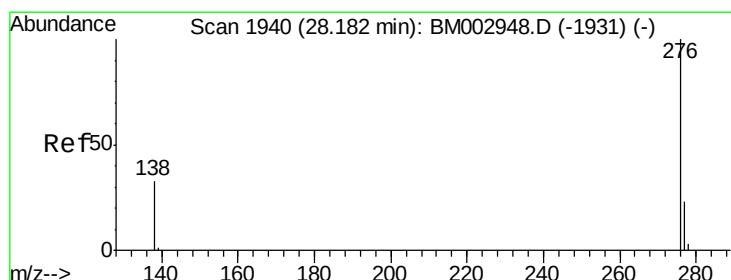
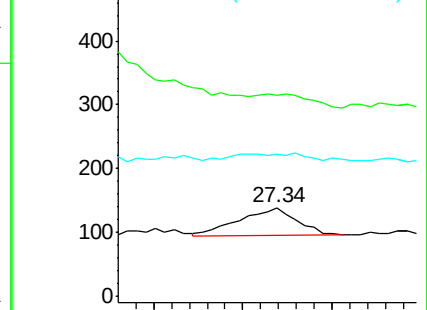
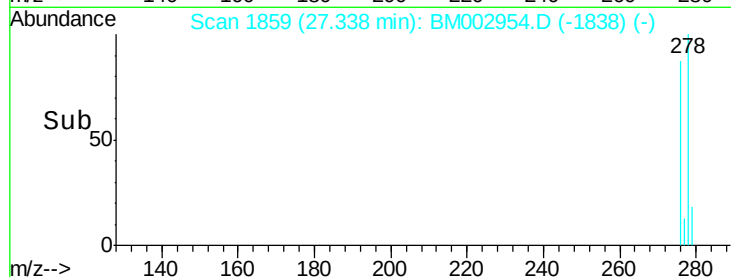
279 160.9 21.9 32.9#



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: 0.01 ng/ul

RT: 28.22 min Scan# 1944

Delta R.T. 0.04 min

Lab File: BM002954.D

Acq: 21 Oct 2015 19:12

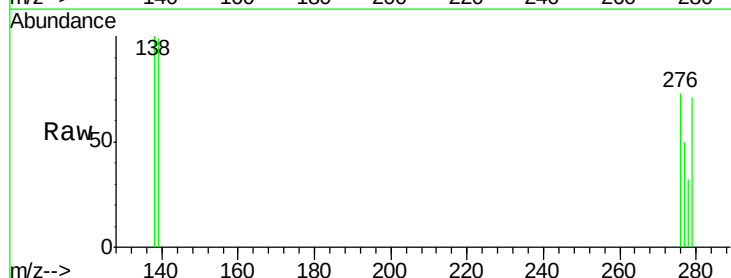
Tgt Ion: 276 Resp: 555

Ion Ratio Lower Upper

276 100

277 68.3 21.3 31.9#

138 136.7 25.5 38.3#



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

