

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
 Data File : BM004466.D
 Acq On : 29 Feb 2016 01:45
 Operator : SJ/UM
 Sample : H1509-02
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-1

Quant Time: Feb 29 06:33:31 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM022816.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 29 05:57:18 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.61	152	13862	5.00	ng	0.00
7) Naphthalene-d8	10.38	136	52085	5.00	ng	0.00
12) Acenaphthene-d10	14.25	164	37287	5.00	ng	0.00
15) Phenanthrene-d10	17.03	188	37611	5.00	ng	0.00
19) Chrysene-d12	21.24	240	56319	5.00	ng	0.00
28) Perylene-d12	23.46	264	45756	5.00	ng	-0.01

System Monitoring Compounds						
4) 2-Fluorophenol	5.21	112	9196	3.02	ng	0.00
5) Phenol-d6	6.83	99	5926	1.71	ng	0.00
8) Nitrobenzene-d5	8.76	82	12591	4.37	ng	-0.02
13) 2,4,6-Tribromophenol	15.78	330	14760	7.74	ng	0.00
14) 2-Fluorobiphenyl	12.89	172	43113	3.79	ng	0.00
22) Terphenyl-d14	19.67	244	34479	4.81	ng	-0.02

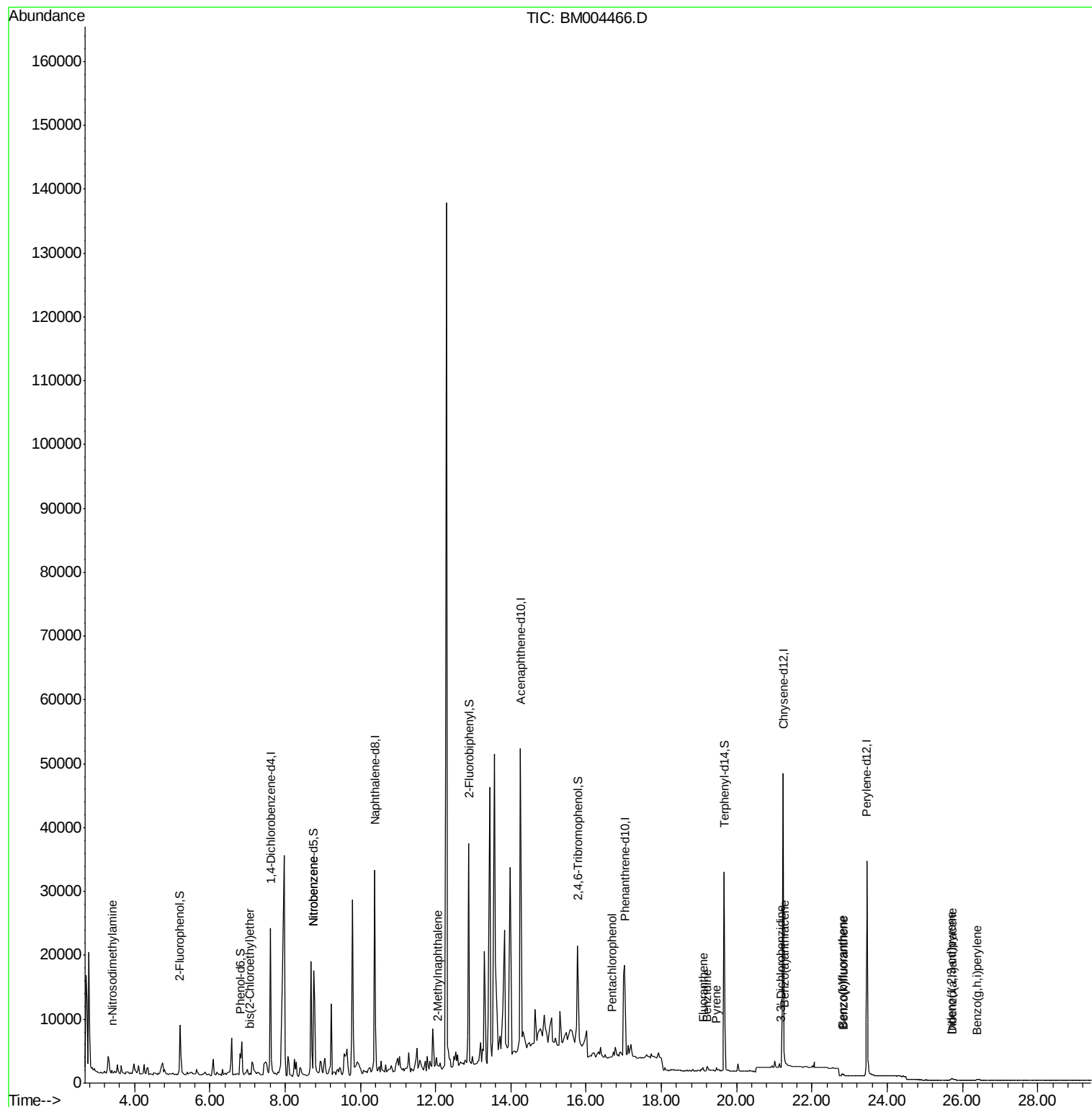
Target Compounds						Qvalue
3) n-Nitrosodimethylamine	3.40	42	406	0.39	ng	# 79
6) bis(2-Chloroethyl)ether	7.07	93	147	0.05	ng	# 1
9) Nitrobenzene	8.76	77	5626	1.76	ng	# 1
11) 2-Methylnaphthalene	12.07	142	1036	0.13	ng	# 70
16) Hexachlorobenzene	16.35	284	15	Below Cal	#	100
17) Pentachlorophenol	16.69	266	371	0.69	ng	# 78
18) Fluoranthene	19.10	202	498	0.03	ng	# 81
20) Benzidine	19.22	184	186	0.45	ng	# 1
21) Pyrene	19.46	202	600	0.04	ng	# 70
23) Benzo(a)anthracene	21.26	228	1674	0.10	ng	# 68
24) 3,3'-Dichlorobenzidine	21.17	252	163	0.03	ng	# 22
25) Chrysene	21.26	228	1750	Below Cal	#	78
26) Bis(2-ethylhexyl)phthalate	21.12	149	1088	Below Cal	#	37
27) Indeno(1,2,3-cd)pyrene	25.71	276	333	0.02	ng	95
29) Benzo(b)fluoranthene	22.80	252	729	0.04	ng	# 1
30) Benzo(k)fluoranthene	22.85	252	393	0.03	ng	# 1
32) Dibenzo(a,h)anthracene	25.72	278	243	0.02	ng	# 1
33) Benzo(g,h,i)perylene	26.40	276	268	0.02	ng	# 12

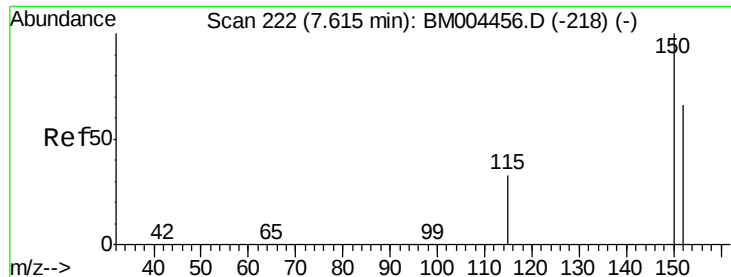
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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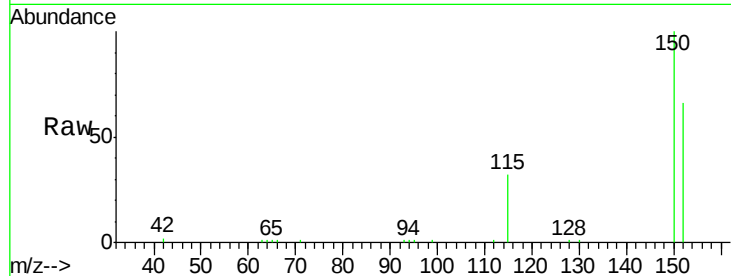


#1

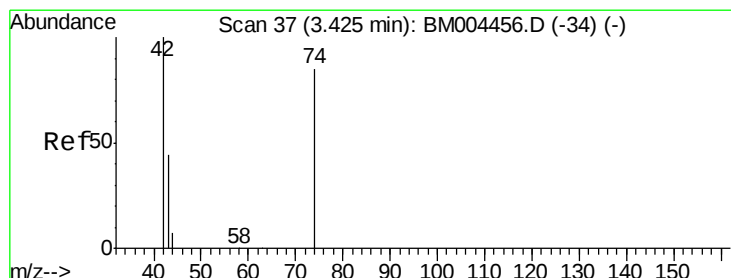
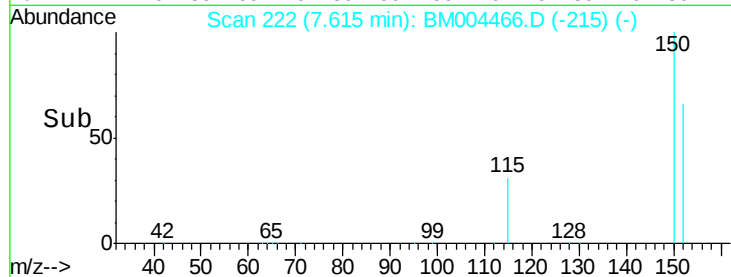
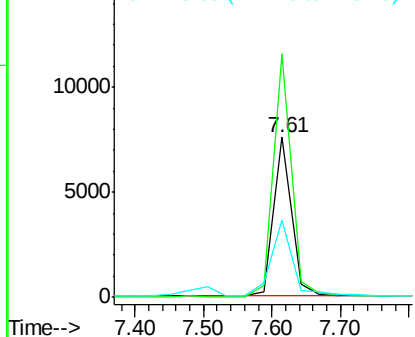
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 222
Delta R.T. -0.00 min
Lab File: BM004466.D
Acq: 29 Feb 2016 01:45

Instrument :
BNA_M
ClientSampleId :
MW-1

Tot Ion:152 Resp: 13862
Ion Ratio Lower Upper
152 100
150 152.1 123.9 185.9
115 47.9 40.6 61.0



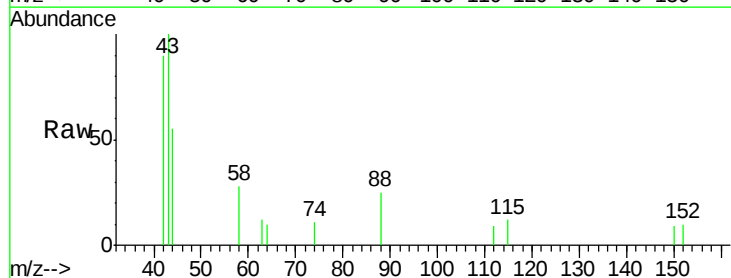
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



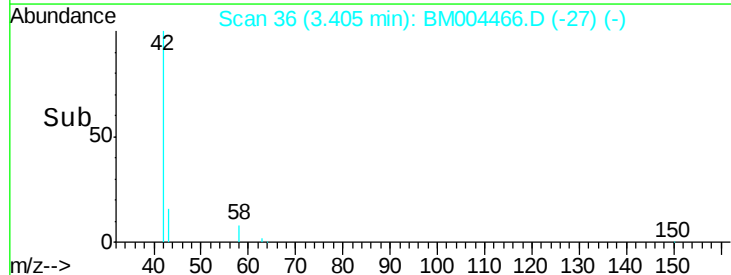
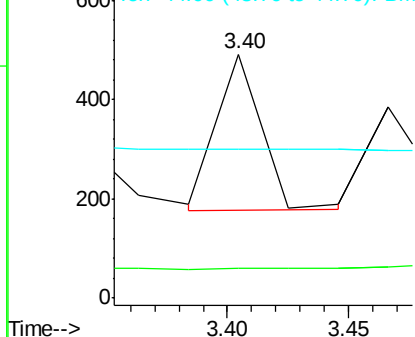
#3

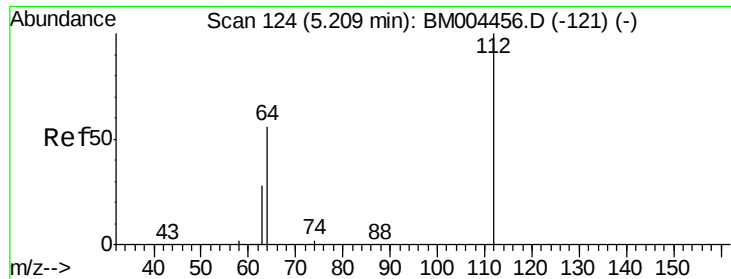
n-Nitrosodimethylamine
Concen: 0.39 ng
RT: 3.40 min Scan# 36
Delta R.T. -0.02 min
Lab File: BM004466.D
Acq: 29 Feb 2016 01:45

Tgt Ion: 42 Resp: 406
Ion Ratio Lower Upper
42 100
74 0.0 0.0 0.0
44 0.0 5.8 8.6#



Abundance Ion 42.00 (41.70 to 42.70): BM0
Ion 74.00 (73.70 to 74.70): BM0
Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 3.02 ng

RT: 5.21 min Scan# 124

Delta R.T. -0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Instrument :

BNA_M

ClientSampleId :

MW-1

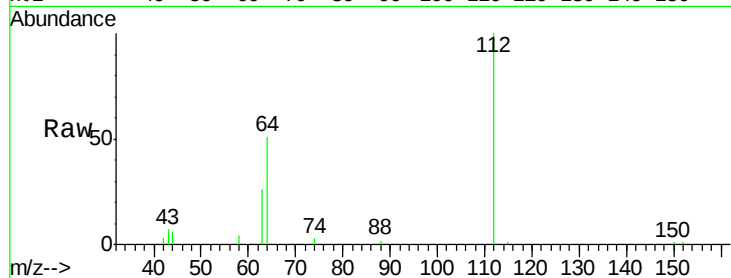
Tot Ion: 112 Resp: 9196

Ion Ratio Lower Upper

112 100

64 47.2 39.4 59.2

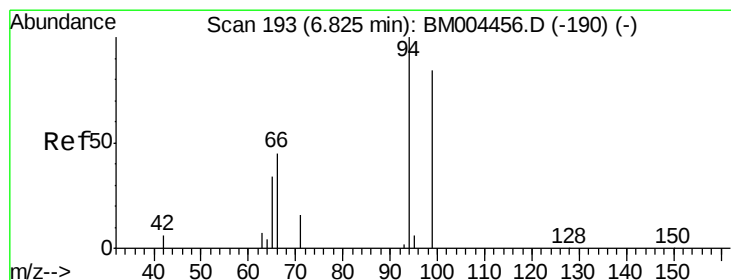
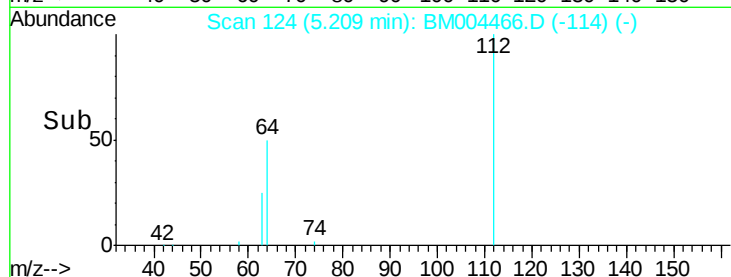
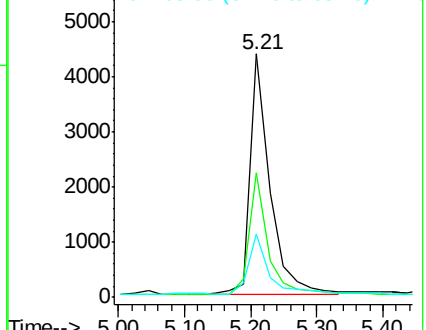
63 25.7 19.9 29.9



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#5

Phenol-d6

Concen: 1.71 ng

RT: 6.83 min Scan# 193

Delta R.T. -0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

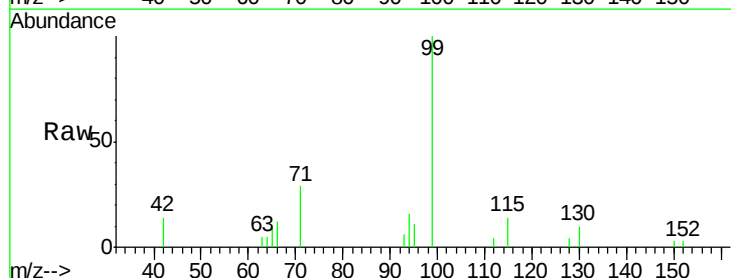
Tgt Ion: 99 Resp: 5926

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

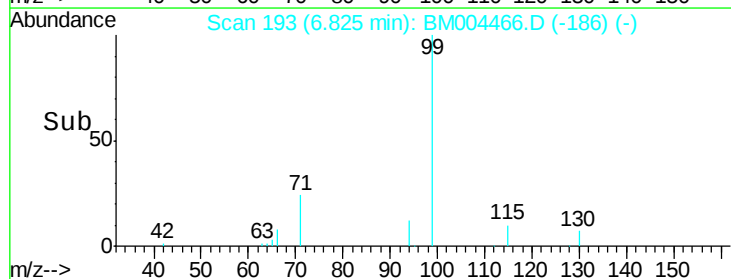
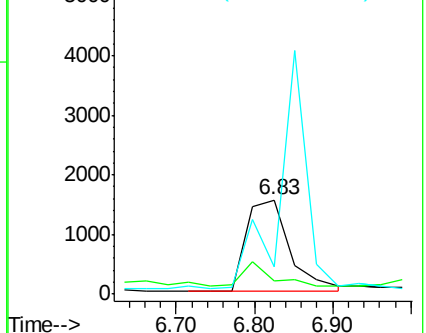
71 0.0 0.0 0.0

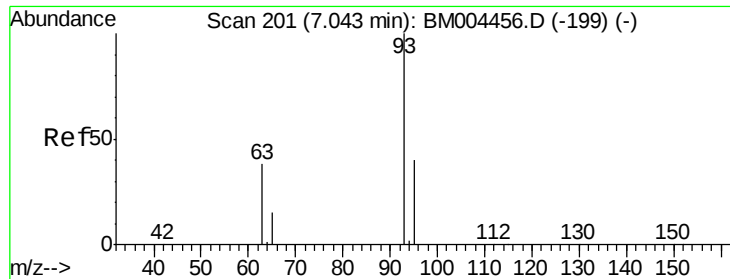


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#6

bis(2-Chloroethyl)ether

Concen: 0.05 ng

RT: 7.07 min Scan# 202

Delta R.T. 0.03 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Instrument :

BNA_M

ClientSampled :

MW-1

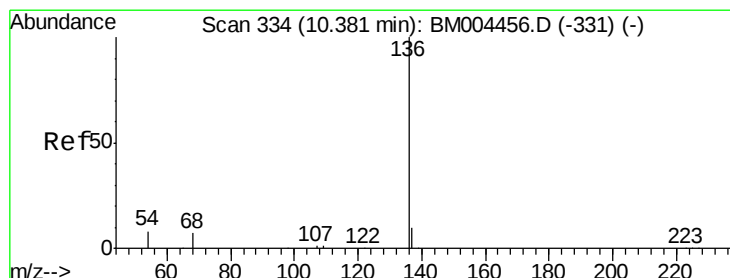
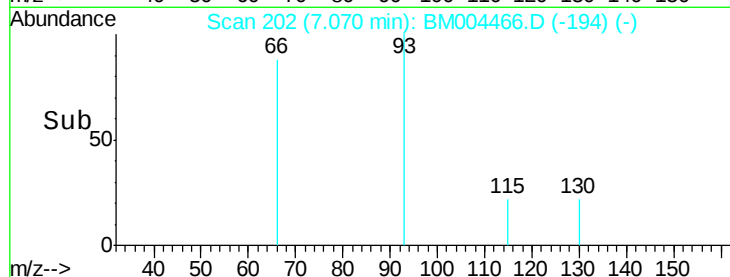
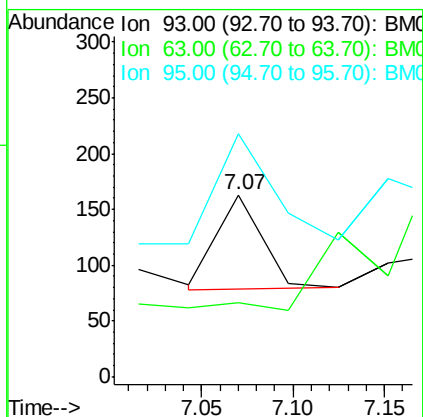
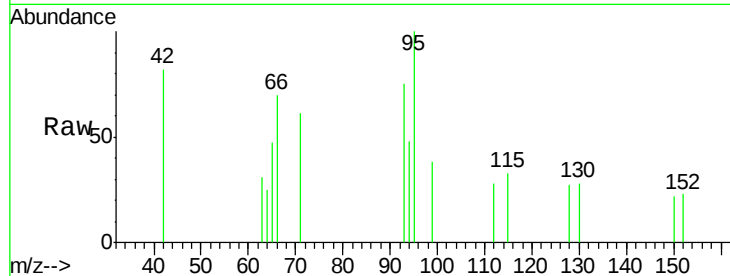
Tot Ion: 93 Resp: 147

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

95 147.6 27.1 40.7#



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 334

Delta R.T. -0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Tgt Ion: 136 Resp: 52085

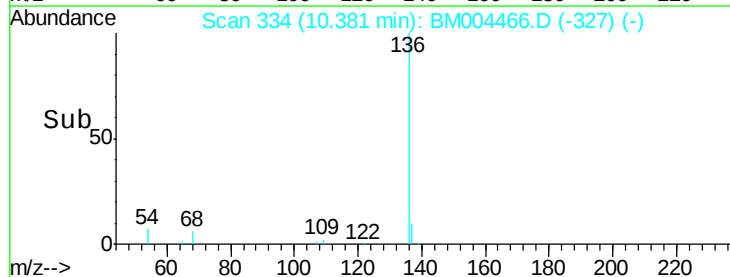
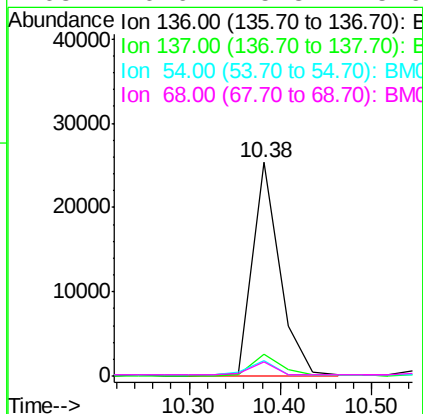
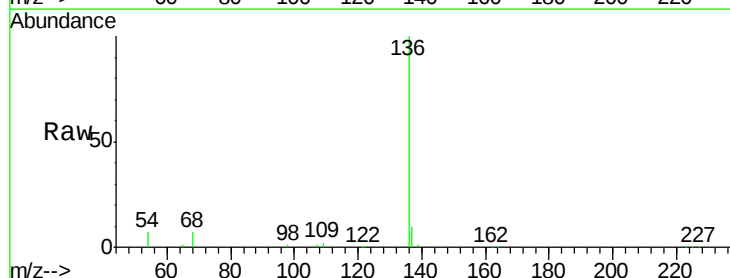
Ion Ratio Lower Upper

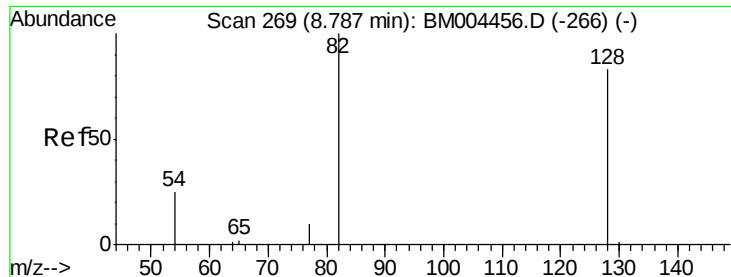
136 100

137 10.2 8.0 12.0

54 7.4 7.0 10.6

68 6.6 5.8 8.6





#8

Nitrobenzene-d5

Concen: 4.37 ng

RT: 8.76 min Scan# 268

Delta R.T. -0.02 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Instrument :

BNA_M

ClientSampleId :

MW-1

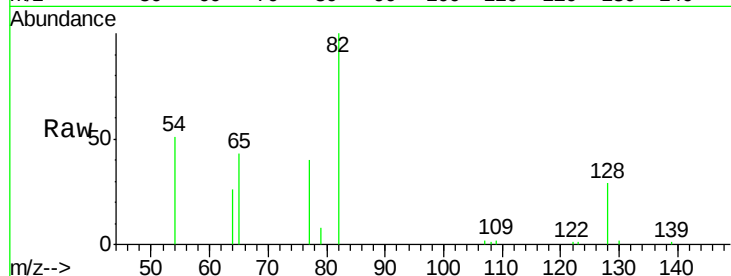
Tot Ion: 82 Resp: 12591

Ion Ratio Lower Upper

82 100

128 29.2 67.0 100.6#

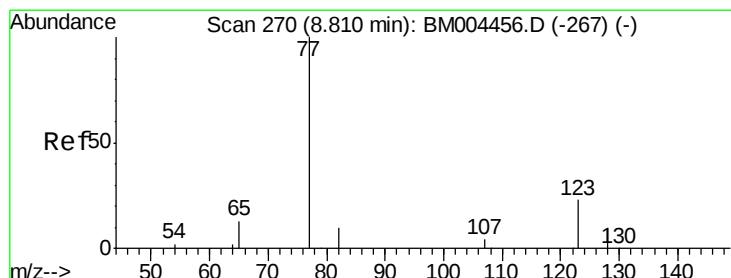
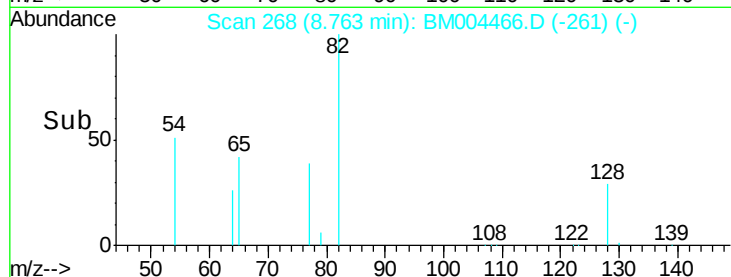
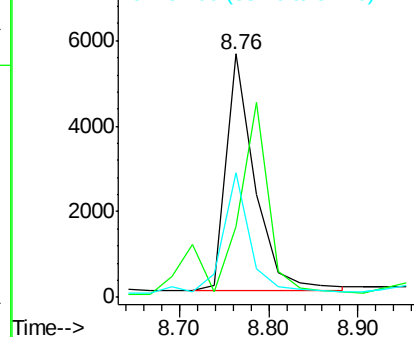
54 51.2 25.2 37.8#



Abundance Ion 82.00 (81.70 to 82.70): BM004456.D (-266) (-)

Ion 128.00 (127.70 to 128.70): BM004456.D (-266) (-)

Ion 54.00 (53.70 to 54.70): BM004456.D (-266) (-)



#9

Nitrobenzene

Concen: 1.76 ng

RT: 8.76 min Scan# 268

Delta R.T. -0.05 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

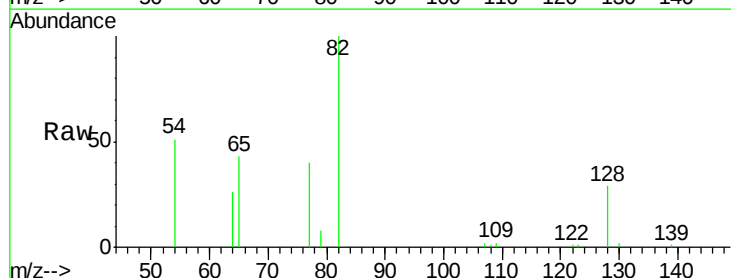
Tgt Ion: 77 Resp: 5626

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

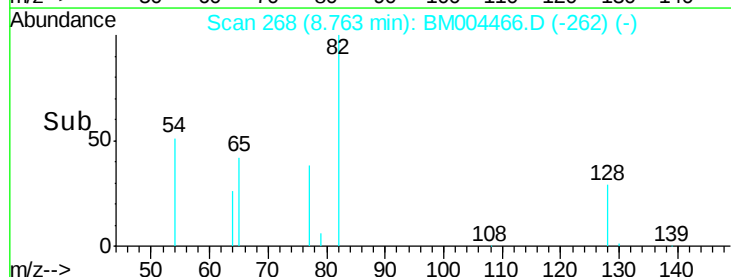
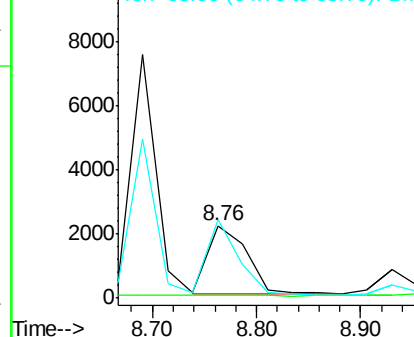
65 86.6 10.1 15.1#

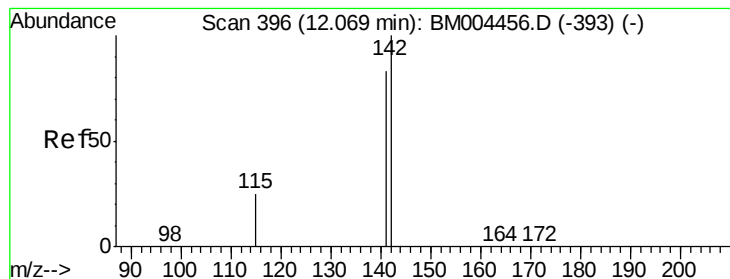


Abundance Ion 77.00 (76.70 to 77.70): BM004456.D (-267) (-)

Ion 123.00 (122.70 to 123.70): BM004456.D (-267) (-)

Ion 65.00 (64.70 to 65.70): BM004456.D (-267) (-)





#11

2-Methylnaphthalene

Concen: 0.13 ng

RT: 12.07 min Scan# 396

Delta R.T. -0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Instrument :

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ClientSampleId :

MW-1

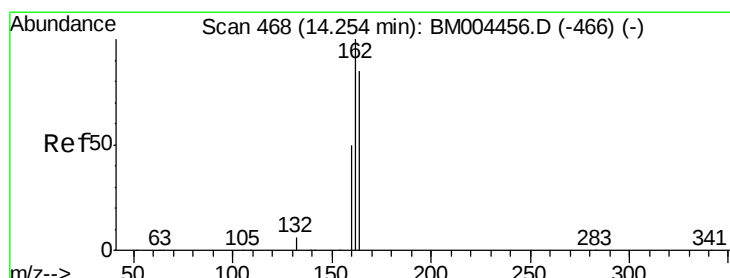
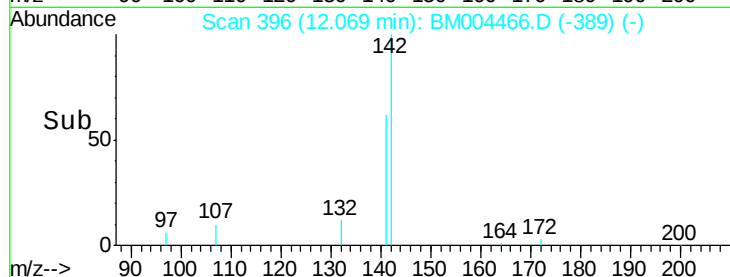
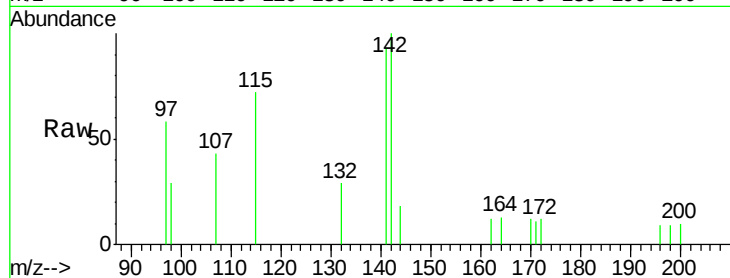
Tot Ion:142 Resp: 1036

Ion Ratio Lower Upper

142 100

141 92.9 66.4 99.6

115 72.1 21.6 32.4#



#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.25 min Scan# 468

Delta R.T. -0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

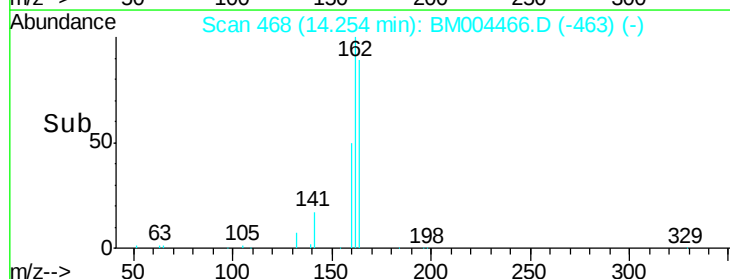
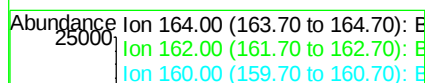
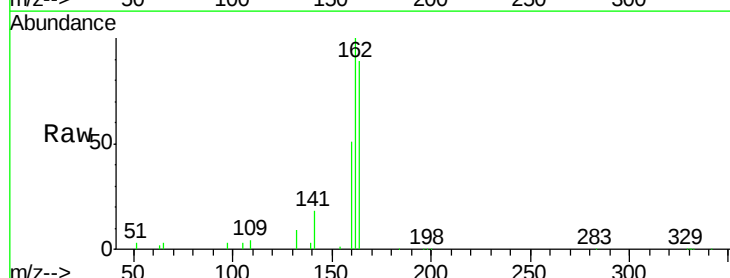
Tgt Ion:164 Resp: 37287

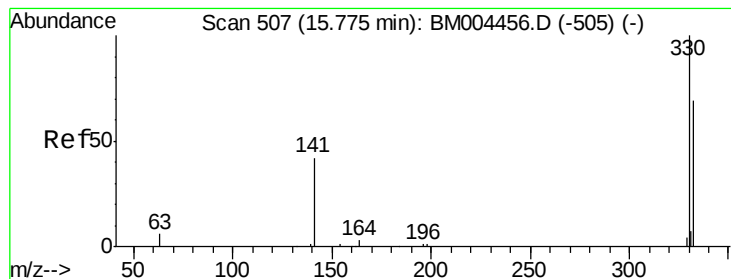
Ion Ratio Lower Upper

164 100

162 112.2 94.6 141.8

160 57.1 47.0 70.4





#13

2,4,6-Tribromophenol

Concen: 7.74 ng

RT: 15.78 min Scan# 507

Delta R.T. 0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Instrument :

BNA_M

ClientSampleId :

MW-1

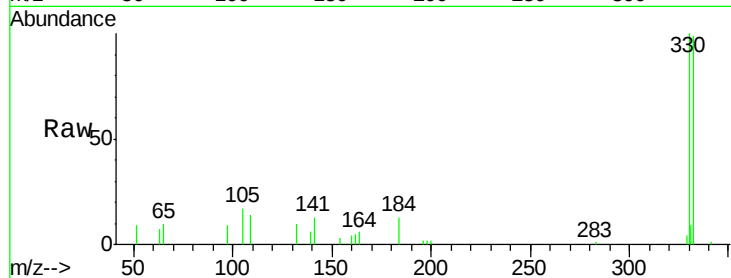
Tot Ion:330 Resp: 14760

Ion Ratio Lower Upper

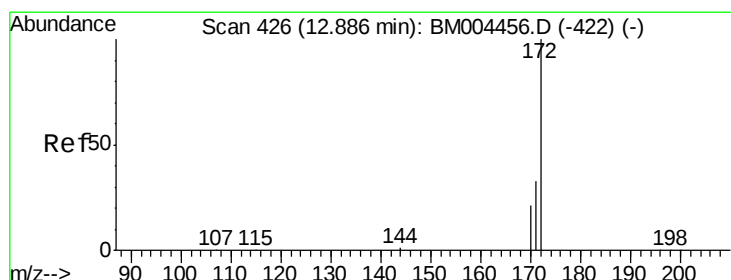
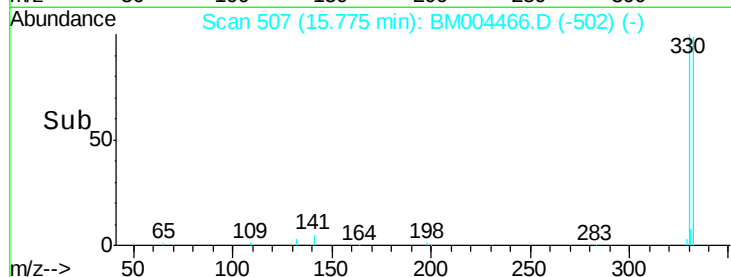
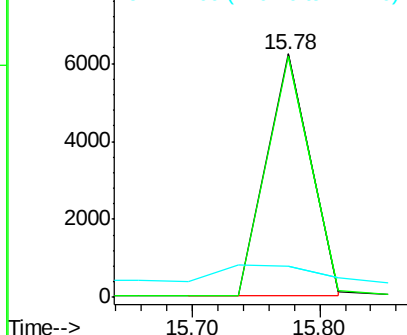
330 100

332 99.1 59.2 88.8#

141 0.0 33.0 49.4#



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E



#14

2-Fluorobiphenyl

Concen: 3.79 ng

RT: 12.89 min Scan# 426

Delta R.T. -0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

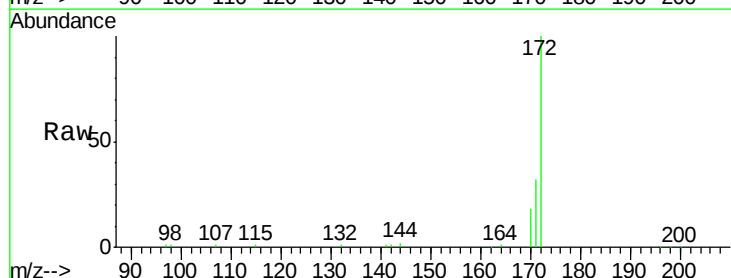
Tgt Ion:172 Resp: 43113

Ion Ratio Lower Upper

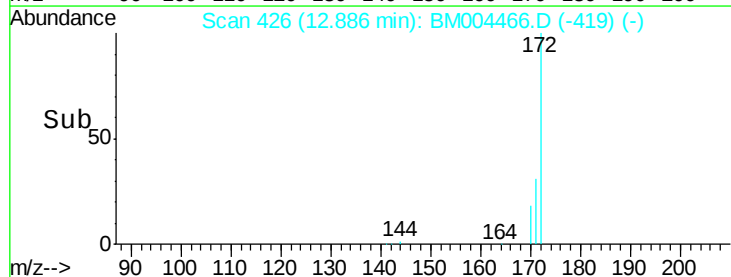
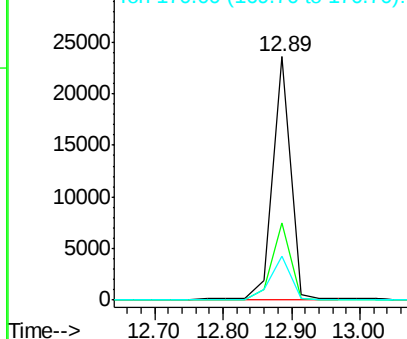
172 100

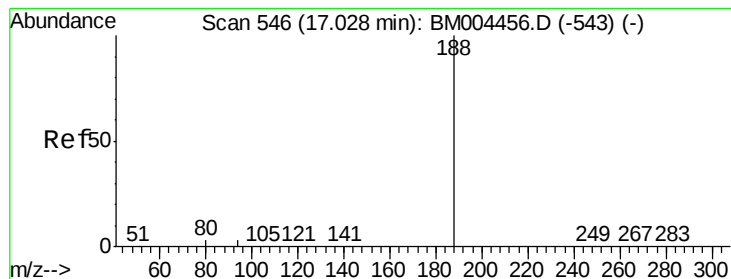
171 31.5 27.2 40.8

170 18.2 17.4 26.0



Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E





#15

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.03 min Scan# 546

Delta R.T. -0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Instrument :

BNA_M

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MW-1

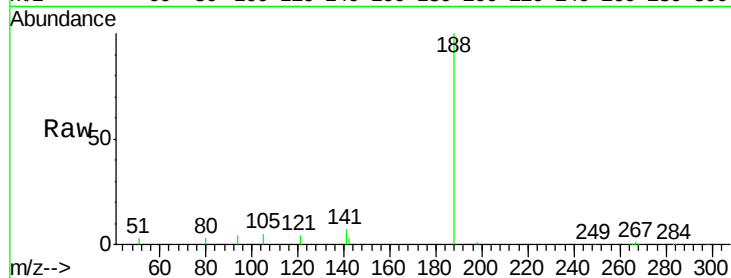
Tot Ion:188 Resp: 37611

Ion Ratio Lower Upper

188 100

94 4.4 2.7 4.1#

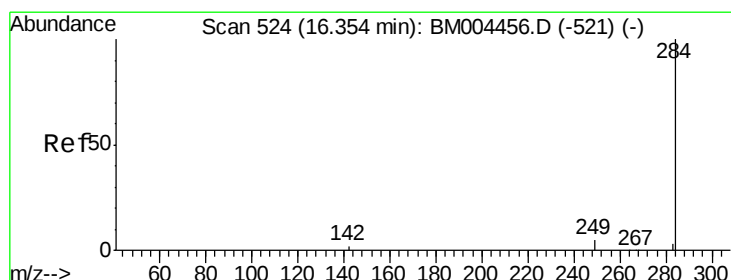
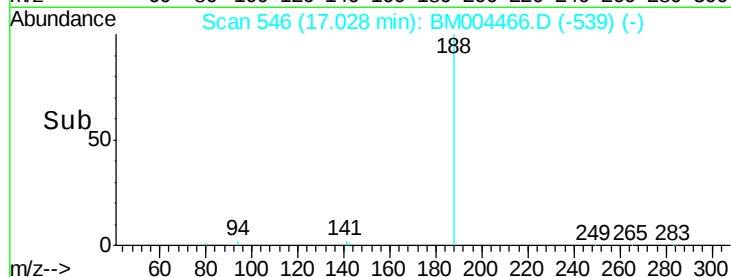
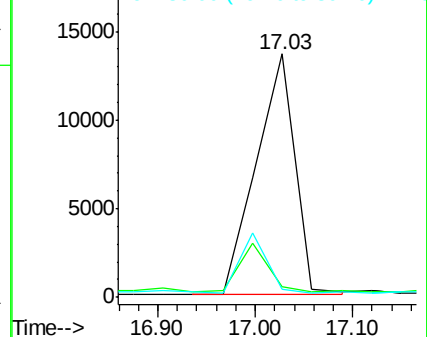
80 3.4 2.2 3.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0



#16

Hexachlorobenzene

Concen: Below Cal

RT: 16.35 min Scan# 524

Delta R.T. 0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

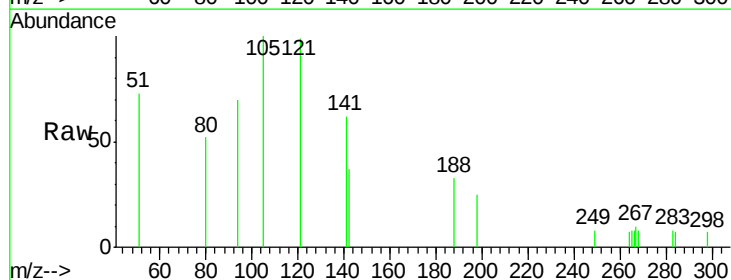
Tgt Ion:284 Resp: 15

Ion Ratio Lower Upper

284 100

142 0.0 0.0 0.0

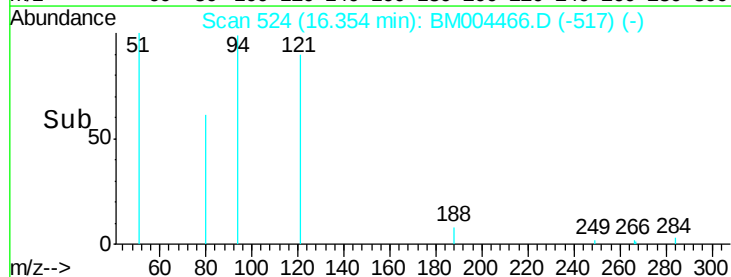
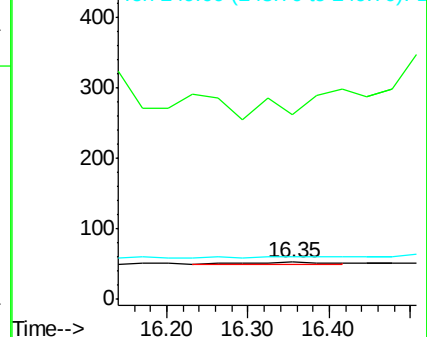
249 0.0 0.0 0.0

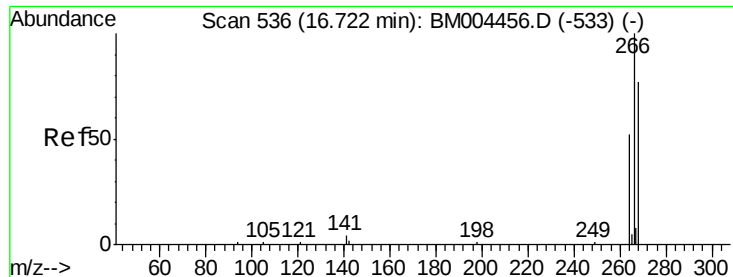


Abundance Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E

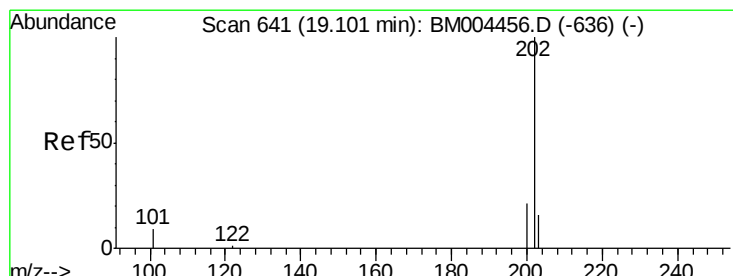
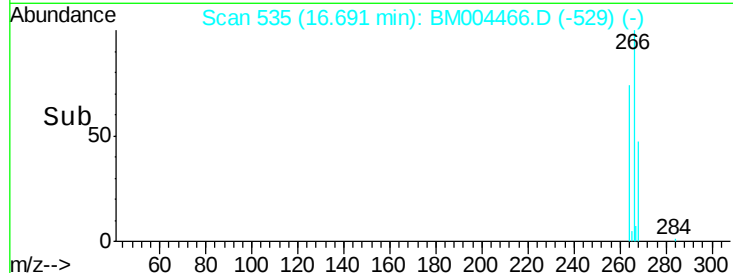
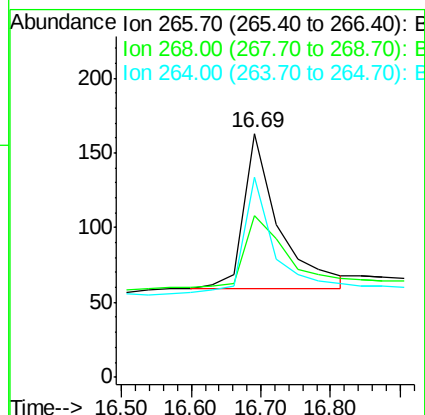
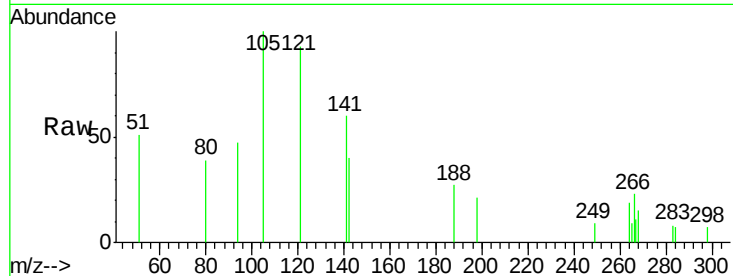




#17
Pentachlorophenol
Concen: 0.69 ng
RT: 16.69 min Scan# 535
Delta R.T. -0.03 min
Lab File: BM004466.D
Acq: 29 Feb 2016 01:45

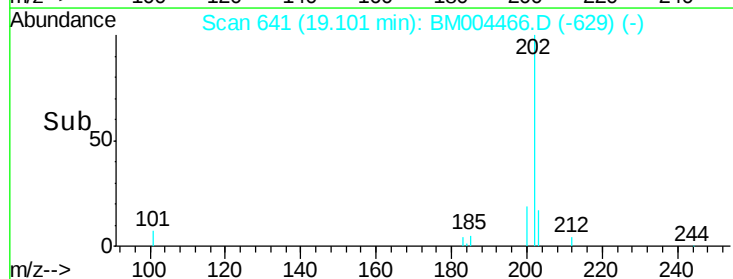
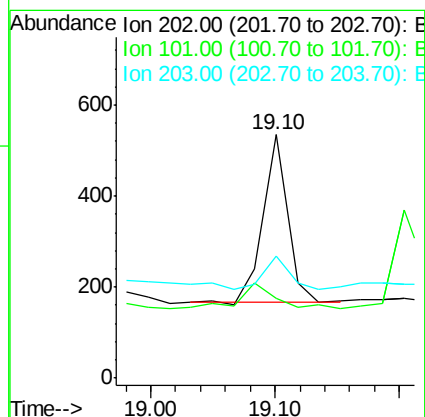
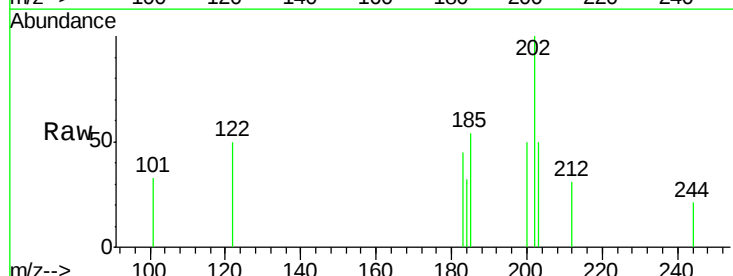
Instrument :
BNA_M
ClientSampleId :
MW-1

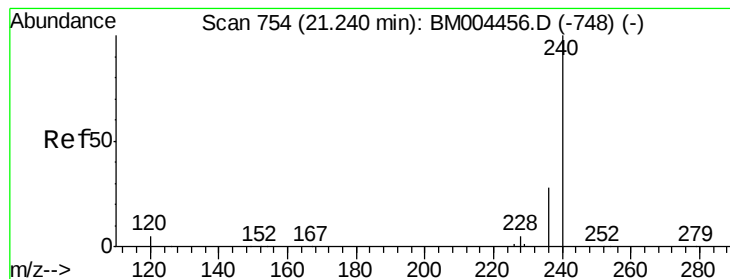
Tot Ion:266 Resp: 371
Ion Ratio Lower Upper
266 100
268 66.3 66.8 100.2#
264 82.2 49.4 74.0#



#18
Fluoranthene
Concen: 0.03 ng
RT: 19.10 min Scan# 641
Delta R.T. -0.00 min
Lab File: BM004466.D
Acq: 29 Feb 2016 01:45

Tgt Ion:202 Resp: 498
Ion Ratio Lower Upper
202 100
101 24.7 9.4 14.0#
203 21.5 13.9 20.9#





#19

Chrysene-d12

Concen: 5.00 ng

RT: 21.24 min Scan# 754

Delta R.T. -0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Instrument :

BNA_M

ClientSampleId :

MW-1

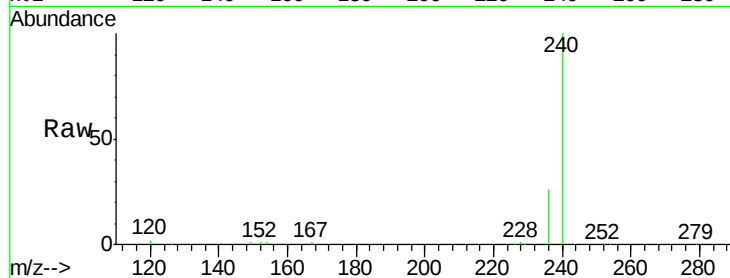
Tot Ion:240 Resp: 56319

Ion Ratio Lower Upper

240 100

120 2.2 4.0 6.0#

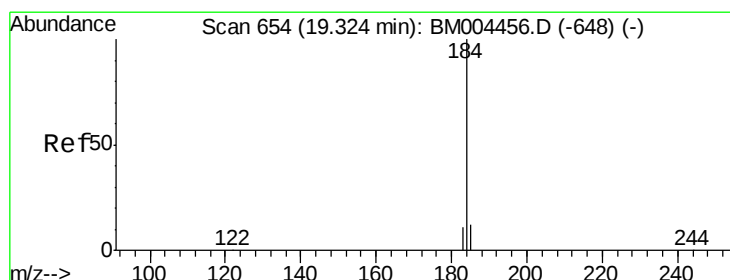
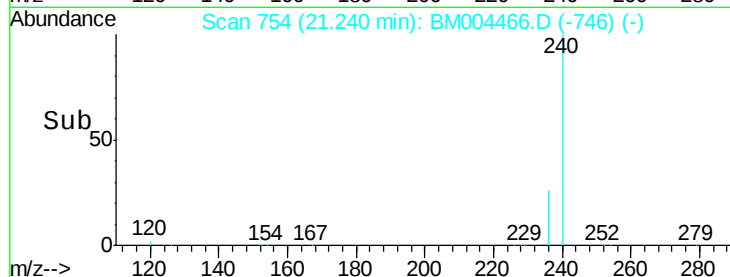
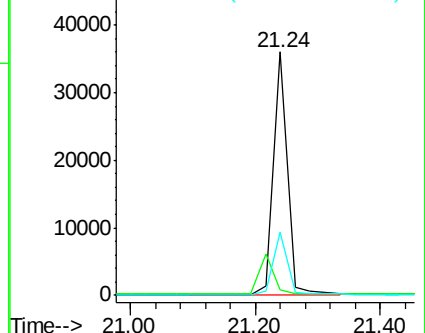
236 25.9 22.7 34.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#20

Benzidine

Concen: 0.45 ng

RT: 19.22 min Scan# 648

Delta R.T. -0.10 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

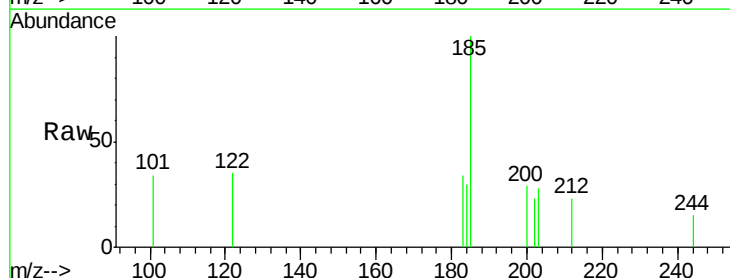
Tgt Ion:184 Resp: 186

Ion Ratio Lower Upper

184 100

185 331.6 20.8 31.2#

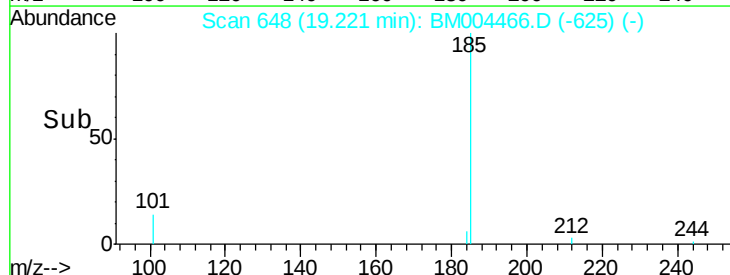
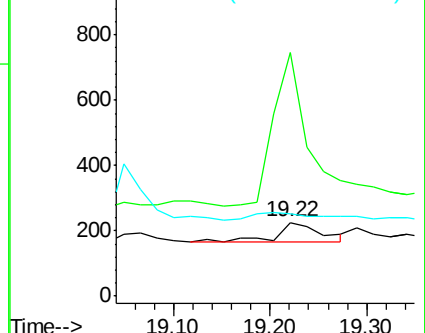
183 112.9 18.5 27.7#

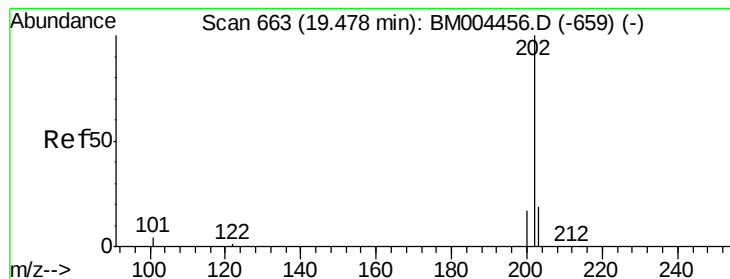


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E





#21

Pvrene

Concen: 0.04 ng

RT: 19.46 min Scan# 662

Delta R.T. -0.02 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Instrument :

BNA_M

ClientSampleId :

MW-1

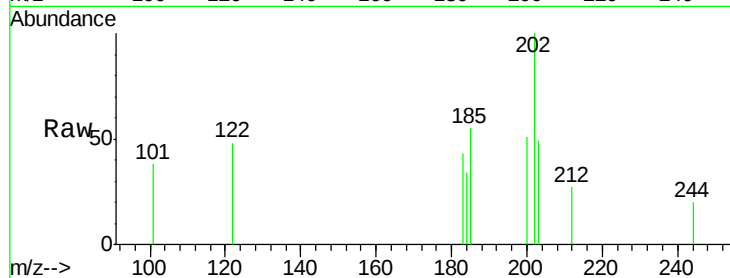
Tot Ion:202 Resp: 600

Ion Ratio Lower Upper

202 100

200 31.8 16.6 24.8#

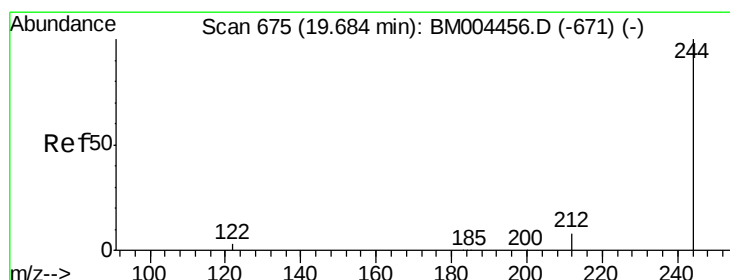
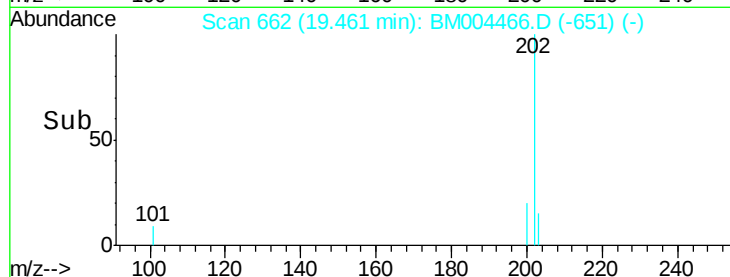
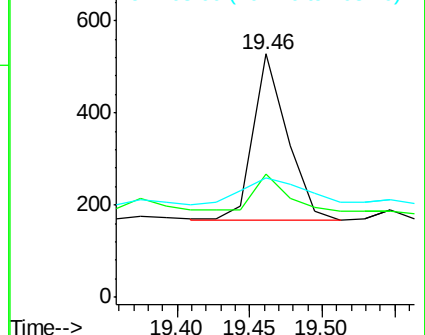
203 33.3 13.9 20.9#



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



#22

Terphenyl-d14

Concen: 4.81 ng

RT: 19.67 min Scan# 674

Delta R.T. -0.02 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

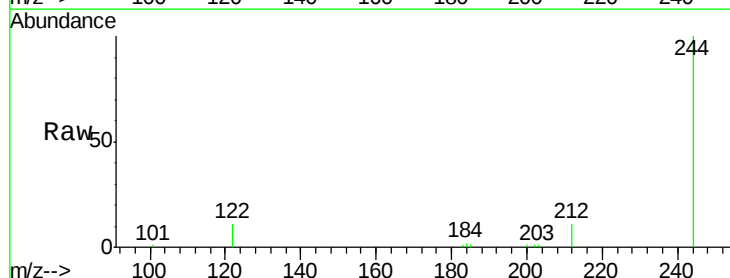
Tgt Ion:244 Resp: 34479

Ion Ratio Lower Upper

244 100

212 10.9 7.4 11.2

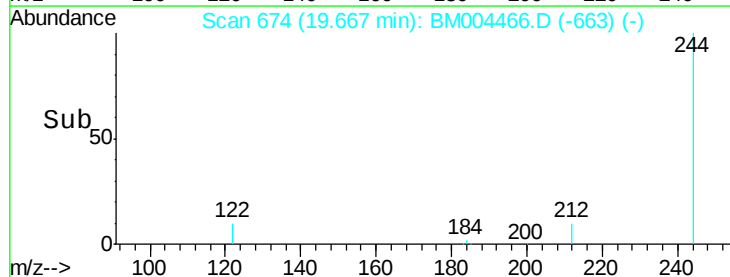
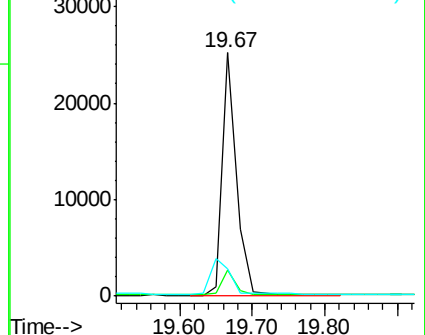
122 11.3 4.2 6.2#

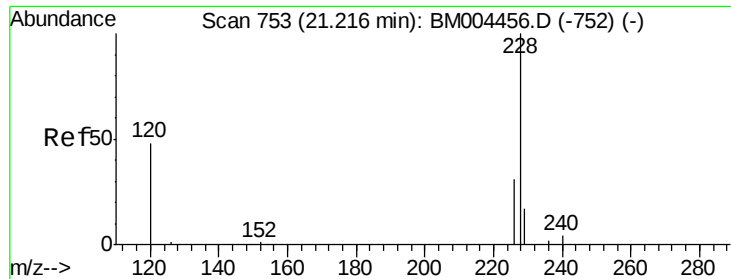


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#23

Benzo(a)anthracene

Concen: 0.10 ng

RT: 21.26 min Scan# 755

Delta R.T. 0.05 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Instrument :

BNA_M

ClientSampled :

MW-1

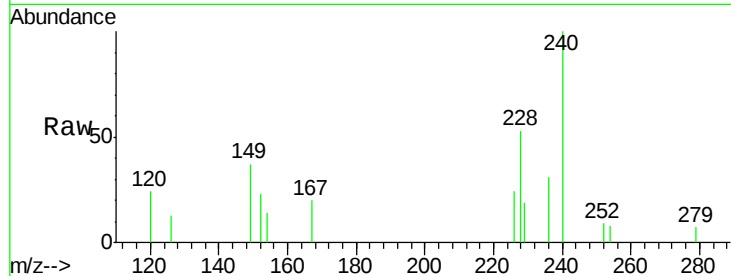
Tot Ion:228 Resp: 1674

Ion Ratio Lower Upper

228 100

226 46.1 25.1 37.7#

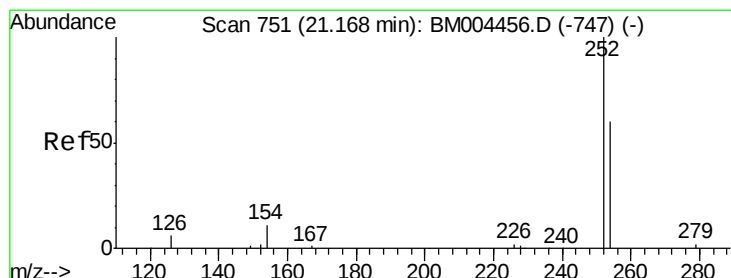
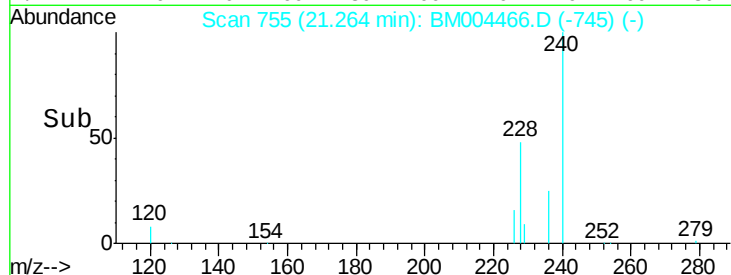
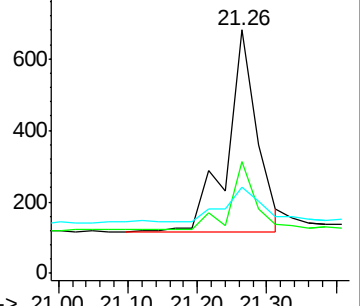
229 35.7 14.2 21.4#



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



#24

3,3'-Dichlorobenzidine

Concen: 0.03 ng

RT: 21.17 min Scan# 751

Delta R.T. -0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

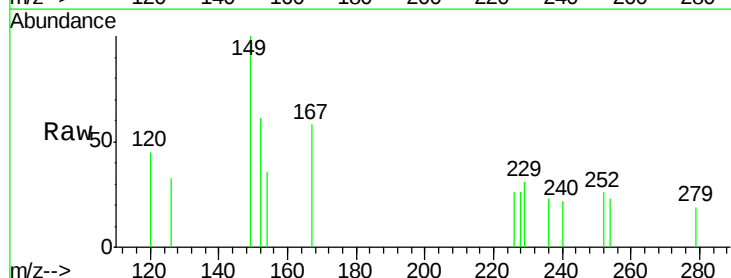
Tgt Ion:252 Resp: 163

Ion Ratio Lower Upper

252 100

254 90.2 48.7 73.1#

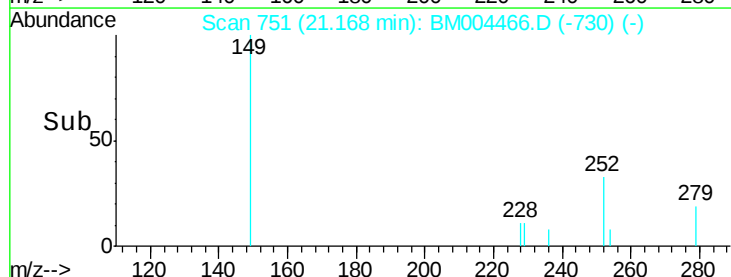
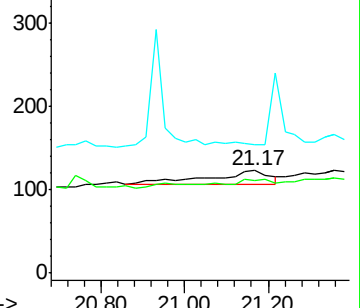
126 126.0 8.2 12.2#

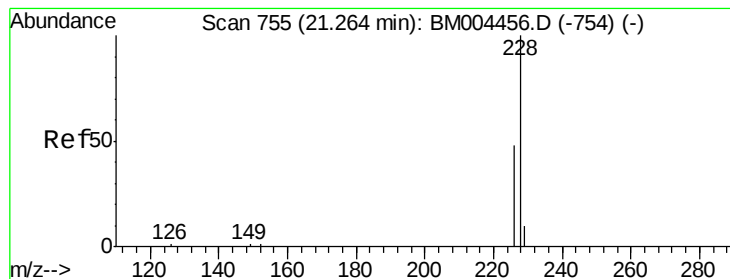


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#25

Chrysene

Concen: Below Cal

RT: 21.26 min Scan# 755

Delta R.T. 0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Instrument :

BNA_M

ClientSampled :

MW-1

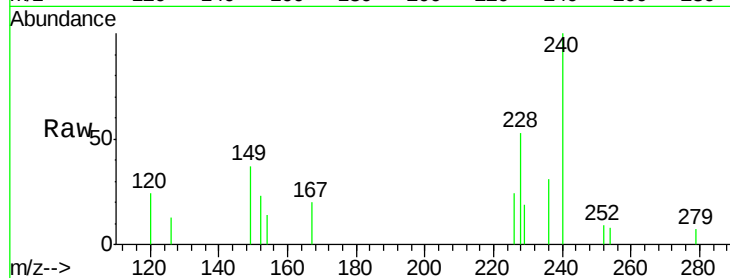
Tot Ion:228 Resp: 1750

Ion Ratio Lower Upper

228 100

226 46.1 31.0 46.6

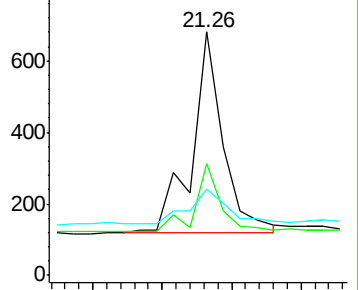
229 35.7 13.4 20.2#



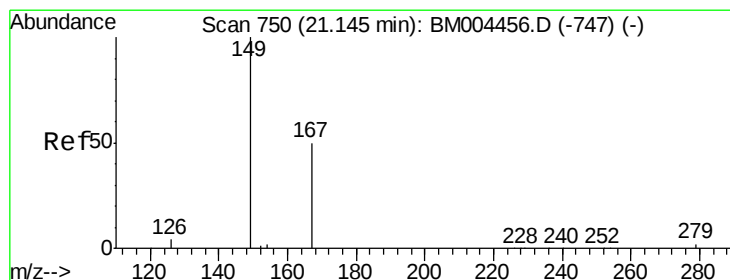
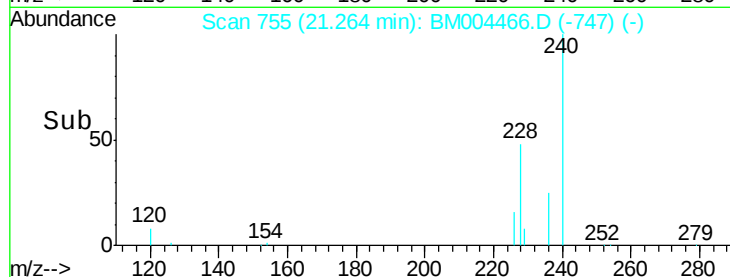
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



Time-->



#26

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.12 min Scan# 749

Delta R.T. -0.02 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

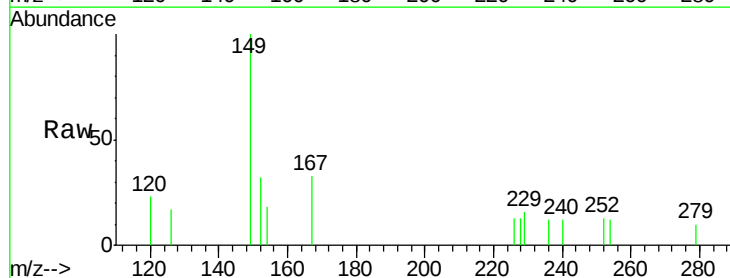
Tgt Ion:149 Resp: 1088

Ion Ratio Lower Upper

149 100

167 0.0 33.1 49.7#

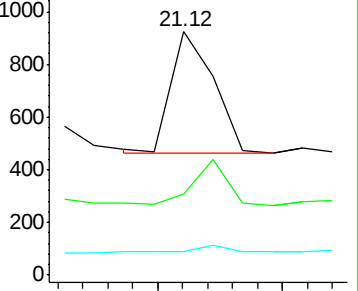
279 0.0 2.0 3.0#



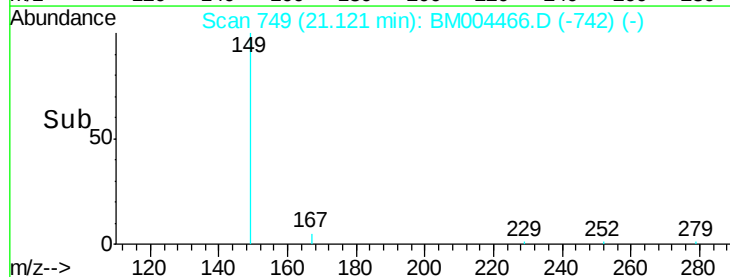
Abundance Ion 149.00 (148.70 to 149.70): E

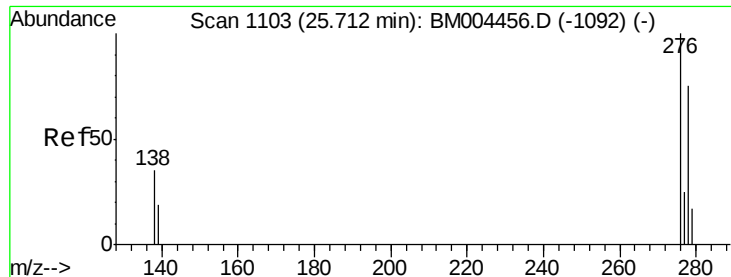
Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



Time-->

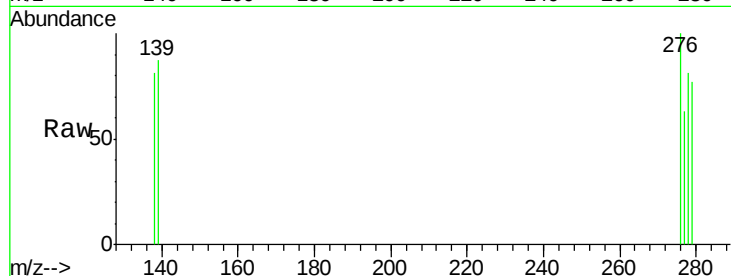




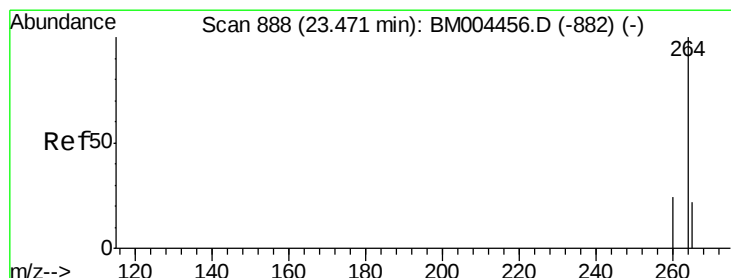
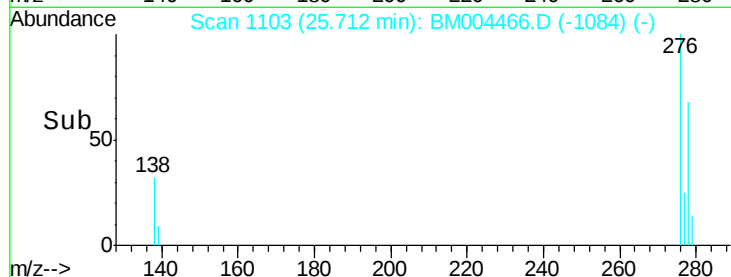
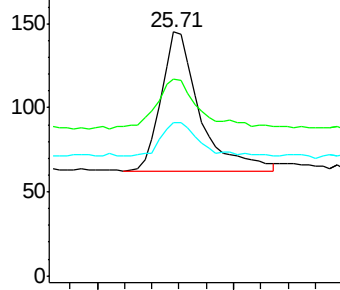
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 25.71 min Scan# 1103
Delta R.T. -0.00 min
Lab File: BM004466.D
Acq: 29 Feb 2016 01:45

Instrument :
BNA_M
ClientSampleId :
MW-1

Tot Ion:276 Resp: 333
Ion Ratio Lower Upper
276 100
138 41.4 30.0 45.0
277 23.7 19.8 29.8

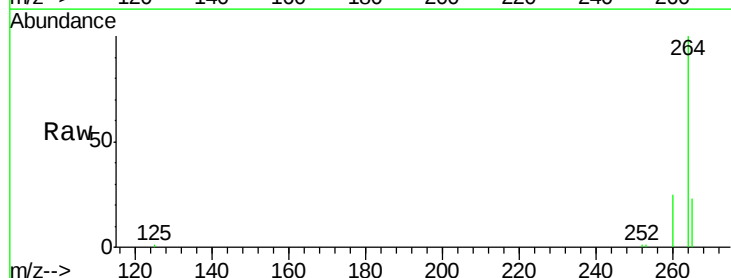


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

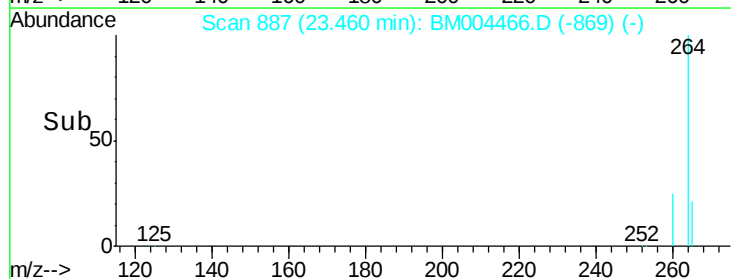
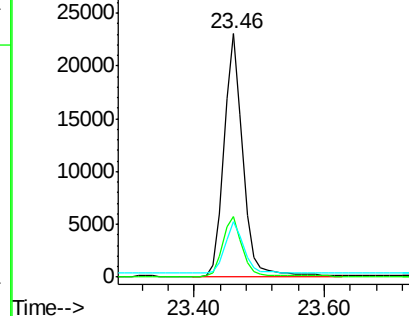


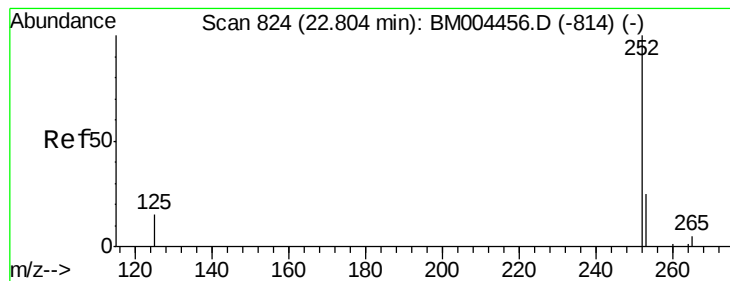
#28
Perylene-d12
Concen: 5.00 ng
RT: 23.46 min Scan# 887
Delta R.T. -0.01 min
Lab File: BM004466.D
Acq: 29 Feb 2016 01:45

Tgt Ion:264 Resp: 45756
Ion Ratio Lower Upper
264 100
260 25.1 19.4 29.2
265 22.7 18.9 28.3



Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E





#29

Benzo(b)fluoranthene

Concen: 0.04 ng

RT: 22.80 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Instrument :

BNA_M

ClientSampleId :

MW-1

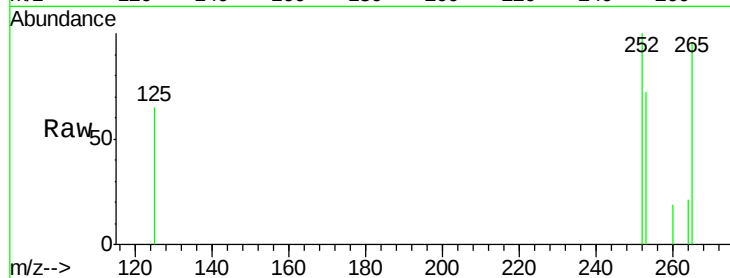
Tot Ion:252 Resp: 729

Ion Ratio Lower Upper

252 100

253 72.0 19.8 29.6#

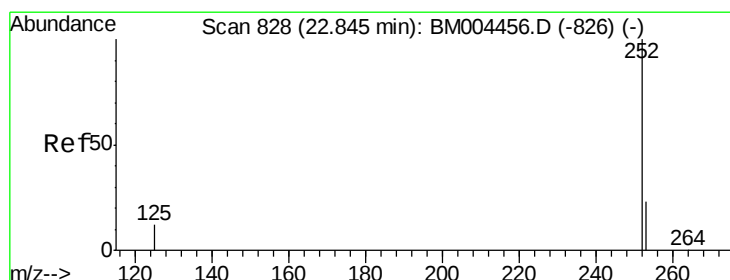
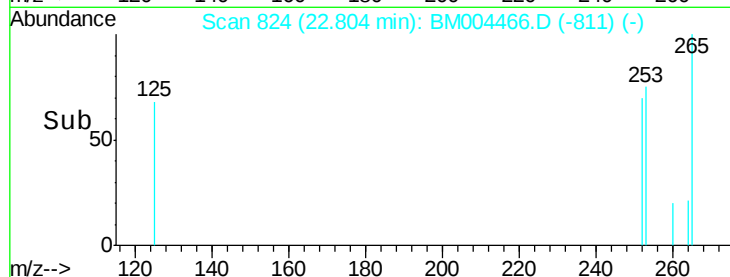
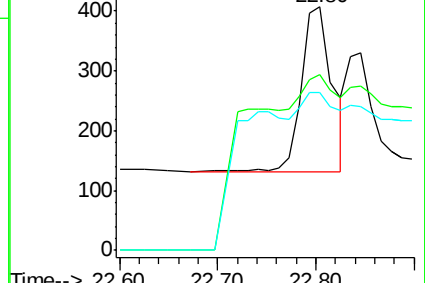
125 64.9 12.2 18.2#



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



#30

Benzo(k)fluoranthene

Concen: 0.03 ng

RT: 22.85 min Scan# 828

Delta R.T. -0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

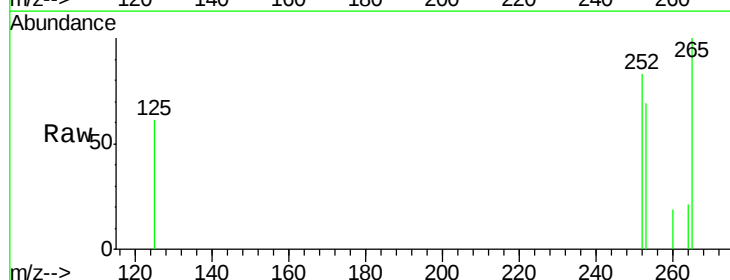
Tgt Ion:252 Resp: 393

Ion Ratio Lower Upper

252 100

253 83.3 19.3 28.9#

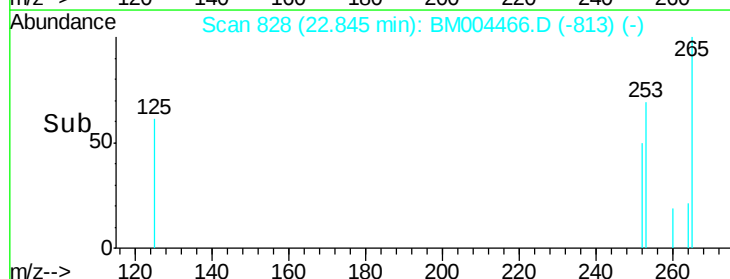
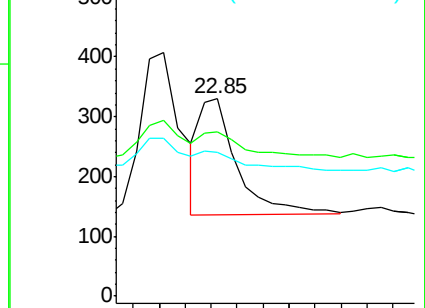
125 72.7 12.4 18.6#

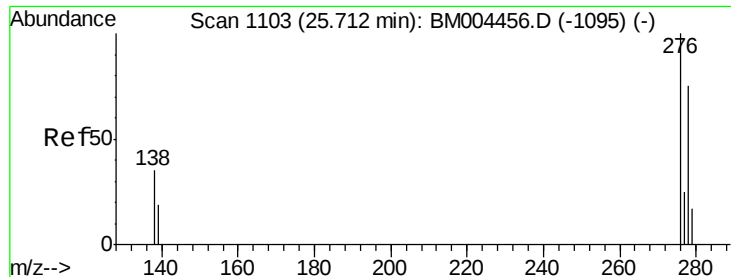


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#32

Dibenzo(a,h)anthracene

Concen: 0.02 ng

RT: 25.72 min Scan# 1104

Delta R.T. 0.01 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Instrument :

BNA_M

ClientSampleId :

MW-1

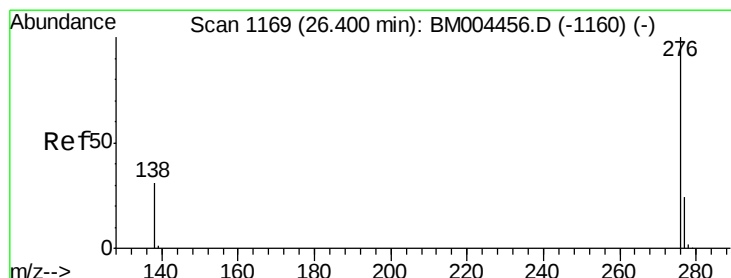
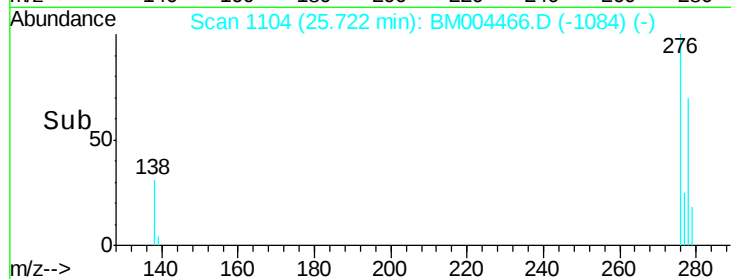
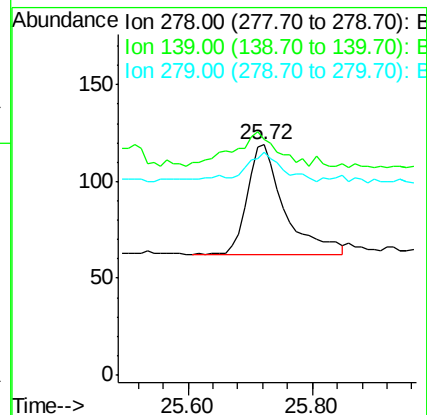
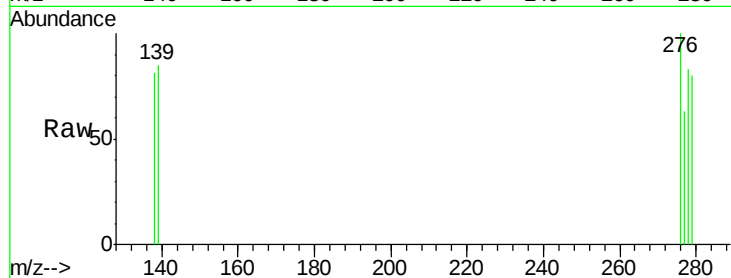
Tot Ion:278 Resp: 243

Ion Ratio Lower Upper

278 100

139 102.5 22.3 33.5#

279 96.6 20.7 31.1#



#33

Benzo(g,h,i)perylene

Concen: 0.02 ng

RT: 26.40 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BM004466.D

Acq: 29 Feb 2016 01:45

Tgt Ion:276 Resp: 268

Ion Ratio Lower Upper

276 100

277 67.4 20.4 30.6#

138 84.8 26.4 39.6#

