

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022816\
 Data File : BM004469.D
 Acq On : 29 Feb 2016 03:50
 Operator : SJ/UM
 Sample : H1509-05
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MW-5

Quant Time: Feb 29 06:34:11 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	12861	5.00	ng	0.00
7) Naphthalene-d8	10.38	136	45108	5.00	ng	0.00
12) Acenaphthene-d10	14.25	164	32219	5.00	ng	0.00
15) Phenanthrene-d10	17.03	188	38765	5.00	ng	0.00
19) Chrysene-d12	21.24	240	54393	5.00	ng	0.00
28) Perylene-d12	23.46	264	43832	5.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.21	112	6088	2.15	ng	0.00
5) Phenol-d6	6.83	99	3824	1.19	ng	0.00
8) Nitrobenzene-d5	8.79	82	8699	3.49	ng	0.00
13) 2,4,6-Tribromophenol	15.78	330	11911	7.25	ng	0.00
14) 2-Fluorobiphenyl	12.89	172	36414	3.71	ng	0.00
22) Terphenyl-d14	19.67	244	32374	4.67	ng	-0.02

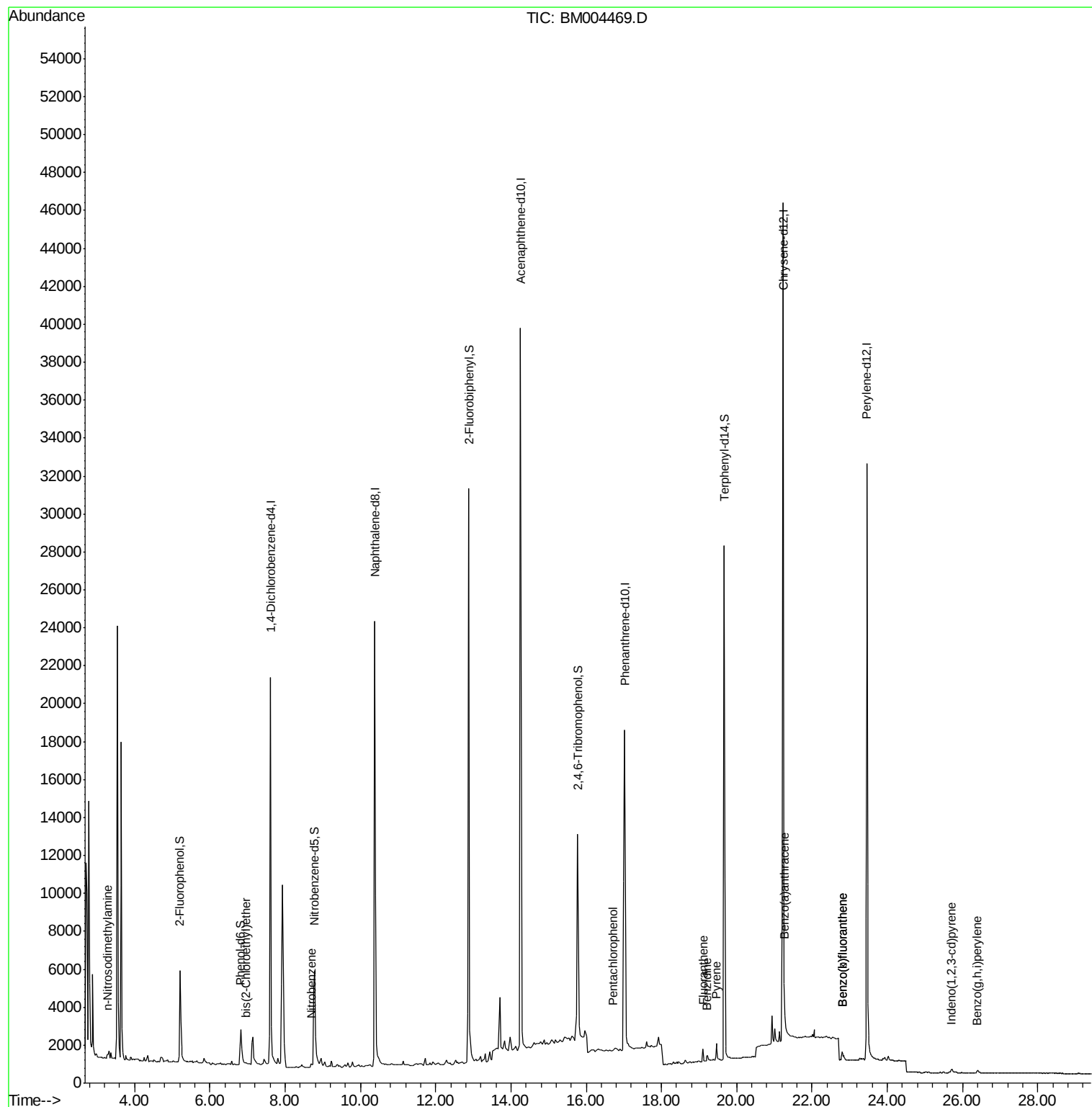
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) n-Nitrosodimethylamine	3.28	42	186	0.19	ng	# 79
6) bis(2-Chloroethyl)ether	6.96	93	67	0.03	ng	# 93
9) Nitrobenzene	8.69	77	305	0.11	ng	# 57
16) Hexachlorobenzene	16.32	284	4	Below Cal		# 100
17) Pentachlorophenol	16.72	266	29	0.36	ng	# 74
18) Fluoranthene	19.10	202	691	0.04	ng	# 95
20) Benzydine	19.22	184	41	0.42	ng	# 1
21) Pyrene	19.46	202	1144	0.07	ng	# 86
23) Benzo(a)anthracene	21.26	228	1490	0.10	ng	# 61
25) Chrysene	21.26	228	1537	Below Cal		# 72
26) Bis(2-ethylhexyl)phthalate	21.12	149	1015	Below Cal		# 37
27) Indeno(1,2,3-cd)pyrene	25.71	276	288	0.02	ng	# 83
29) Benzo(b)fluoranthene	22.80	252	1098	0.07	ng	# 1
30) Benzo(k)fluoranthene	22.80	252	1098	0.08	ng	# 1
33) Benzo(a,h,i)perylene	26.40	276	292	0.02	ng	# 11

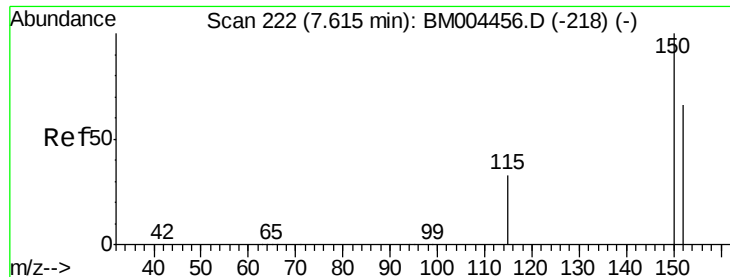
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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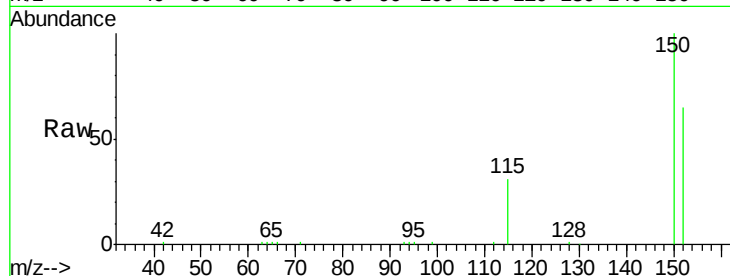


#1

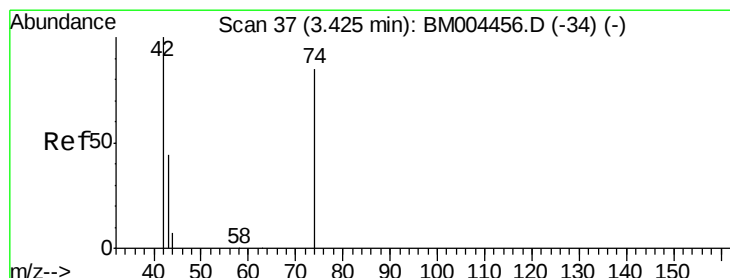
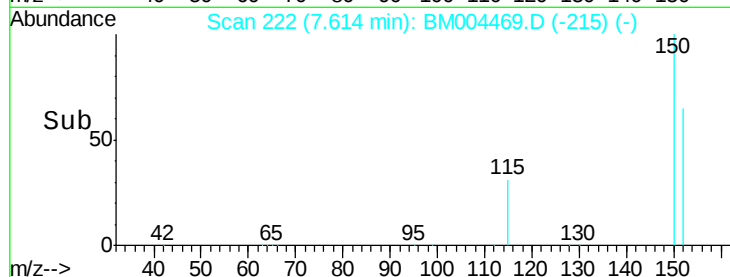
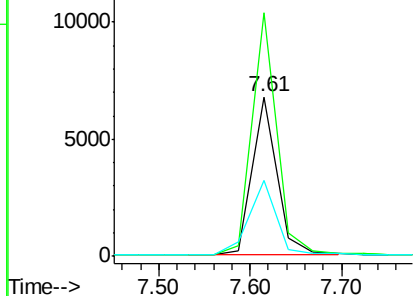
1,4-Dichlorobenzene-d4
Concen: 5.00 ng
RT: 7.61 min Scan# 222
Delta R.T. -0.00 min
Lab File: BM004469.D
Acq: 29 Feb 2016 03:50

Instrument :
BNA_M
ClientSampled :
MW-5

Tot Ion:152 Resp: 12861
Ion Ratio Lower Upper
152 100
150 152.8 123.9 185.9
115 47.7 40.6 61.0



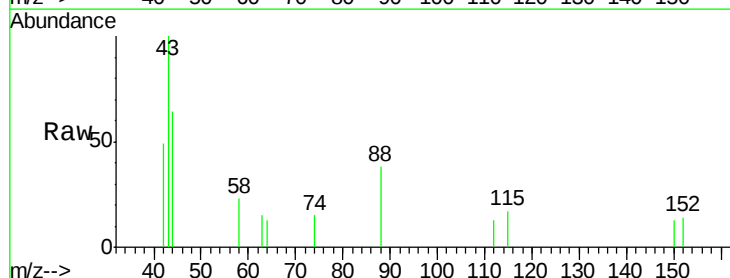
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



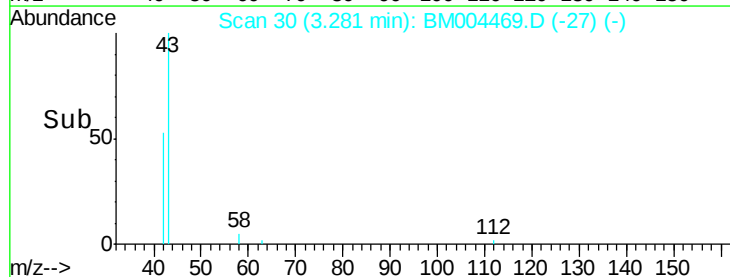
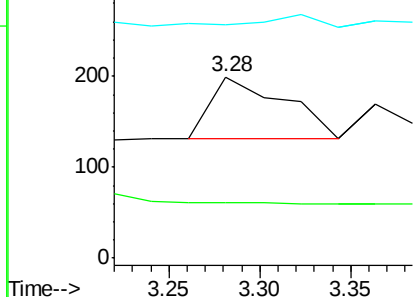
#3

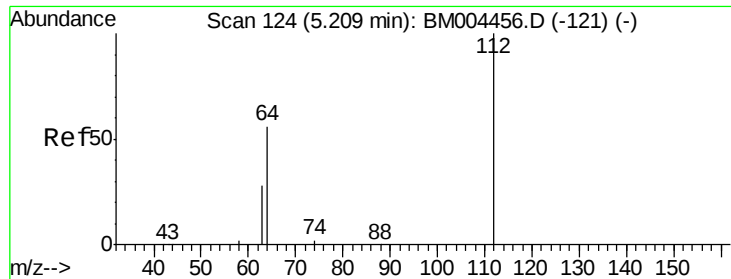
n-Nitrosodimethylamine
Concen: 0.19 ng
RT: 3.28 min Scan# 30
Delta R.T. -0.14 min
Lab File: BM004469.D
Acq: 29 Feb 2016 03:50

Tgt Ion: 42 Resp: 186
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: 2.15 ng

RT: 5.21 min Scan# 124

Delta R.T. -0.00 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

Instrument :

BNA_M

ClientSampleId :

MW-5

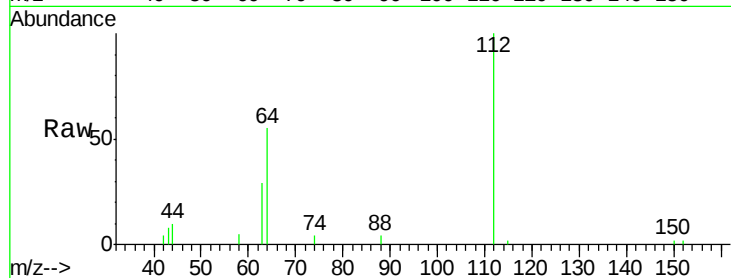
Tot Ion:112 Resp: 6088

Ion Ratio Lower Upper

112 100

64 48.6 39.4 59.2

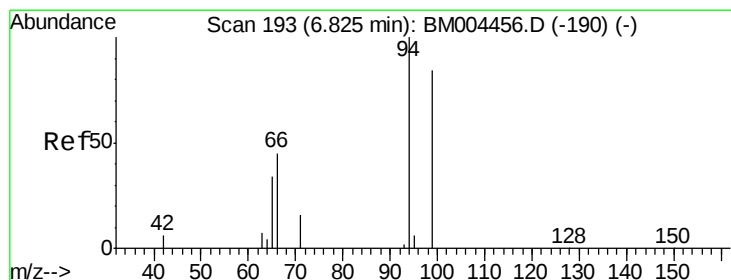
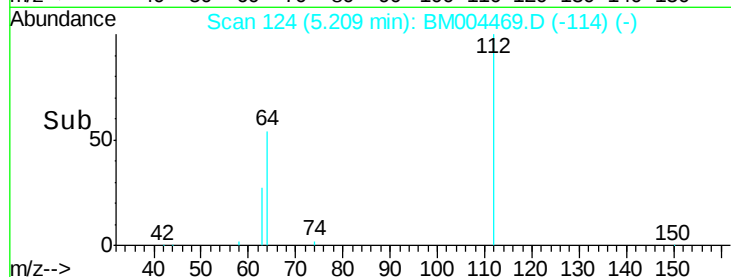
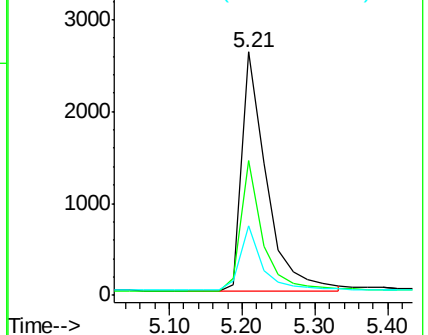
63 24.6 19.9 29.9



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BM0

Ion 63.00 (62.70 to 63.70): BM0



#5

Phenol-d6

Concen: 1.19 ng

RT: 6.83 min Scan# 193

Delta R.T. -0.00 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

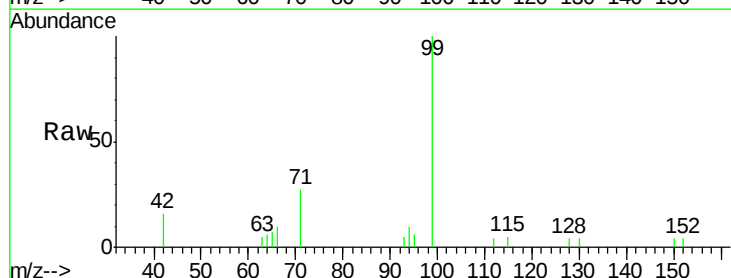
Tgt Ion: 99 Resp: 3824

Ion Ratio Lower Upper

99 100

42 0.0 0.0 0.0

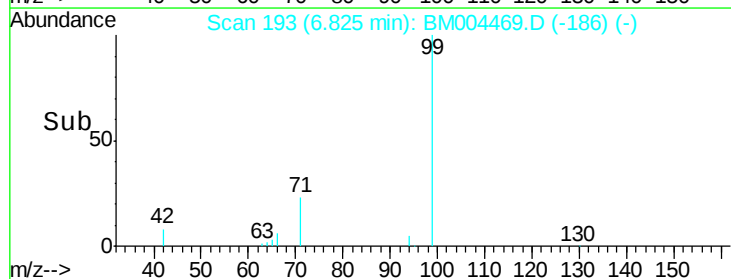
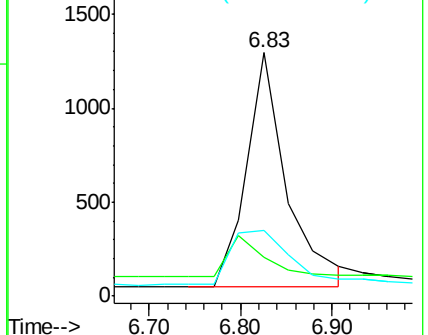
71 34.9 0.0 0.0#

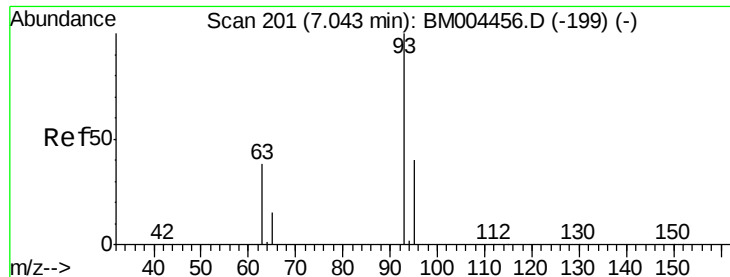


Abundance Ion 99.00 (98.70 to 99.70): BM0

Ion 42.00 (41.70 to 42.70): BM0

Ion 71.00 (70.70 to 71.70): BM0





#6

bis(2-Chloroethyl)ether

Concen: 0.03 ng

RT: 6.96 min Scan# 198

Delta R.T. -0.08 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

Instrument :

BNA_M

ClientSampleId :

MW-5

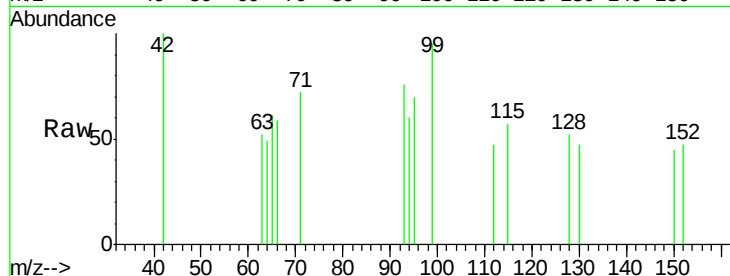
Tot Ion: 93 Resp: 67

Ion Ratio Lower Upper

93 100

63 0.0 0.0 0.0

95 29.9 27.1 40.7

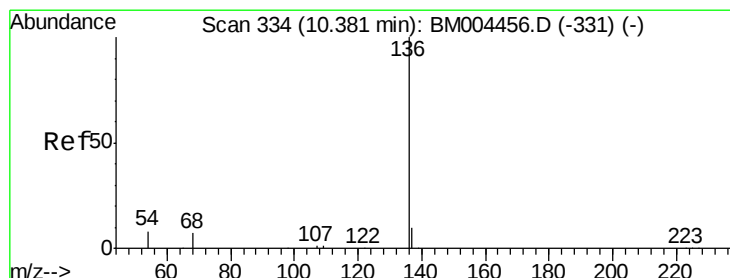
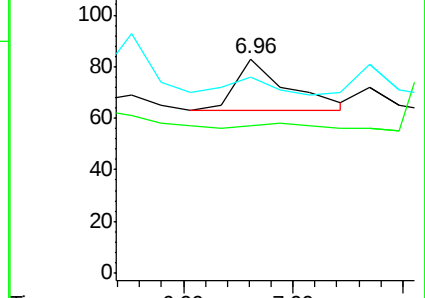
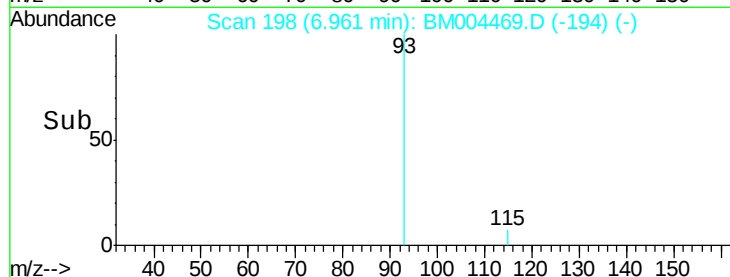


Abundance Ion 93.00 (92.70 to 93.70): BM004456.D (-199) (-)

Ion 63.00 (62.70 to 63.70): BM004456.D (-199) (-)

Ion 95.00 (94.70 to 95.70): BM004456.D (-199) (-)

Time-->



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.38 min Scan# 334

Delta R.T. -0.00 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

Tgt Ion: 136 Resp: 45108

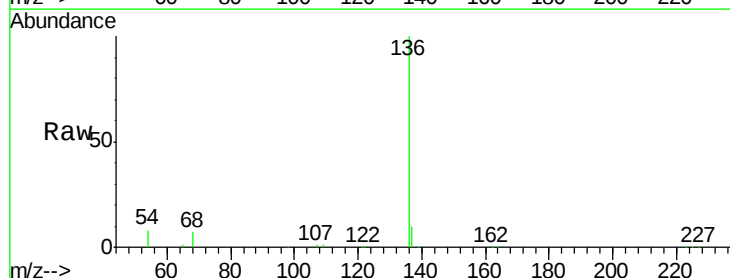
Ion Ratio Lower Upper

136 100

137 10.1 8.0 12.0

54 8.4 7.0 10.6

68 7.0 5.8 8.6



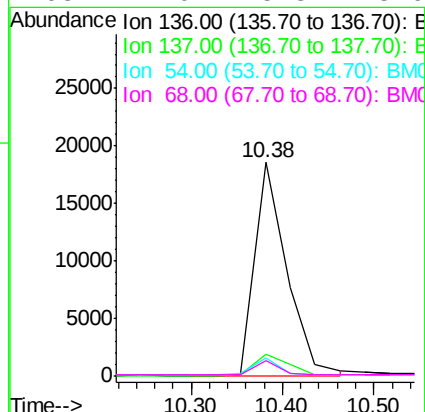
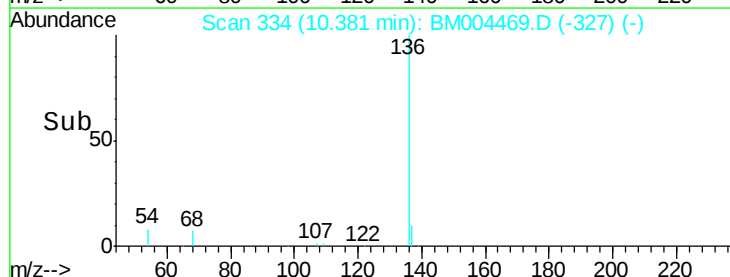
Abundance Ion 136.00 (135.70 to 136.70): BM004456.D (-331) (-)

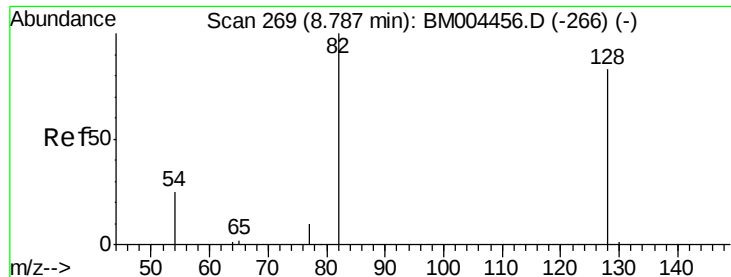
Ion 137.00 (136.70 to 137.70): BM004456.D (-331) (-)

Ion 54.00 (53.70 to 54.70): BM004456.D (-331) (-)

Ion 68.00 (67.70 to 68.70): BM004456.D (-331) (-)

Time-->





#8

Nitrobenzene-d5

Concen: 3.49 ng

RT: 8.79 min Scan# 269

Delta R.T. -0.00 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

Instrument :

BNA_M

ClientSampleId :

MW-5

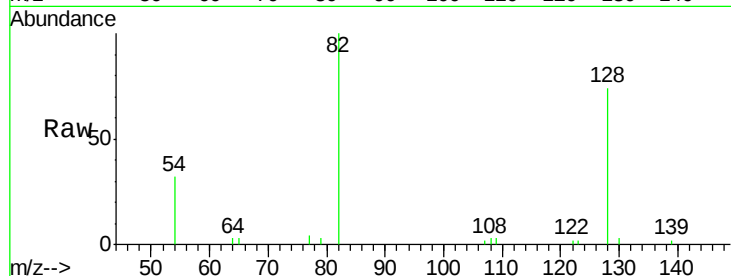
Tot Ion: 82 Resp: 8699

Ion Ratio Lower Upper

82 100

128 73.7 67.0 100.6

54 32.1 25.2 37.8

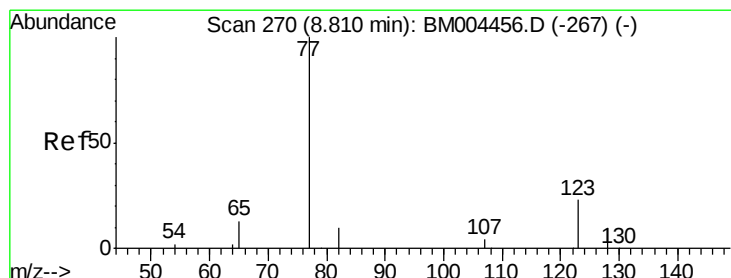
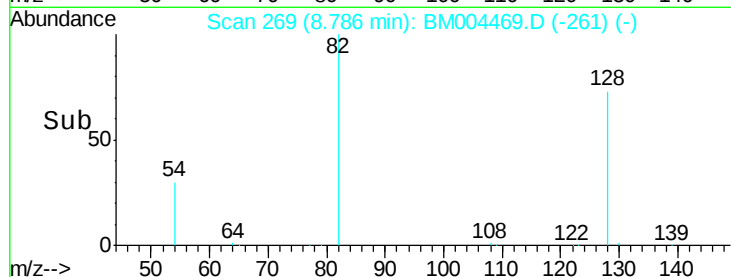


Abundance Ion 82.00 (81.70 to 82.70): BM004456.D (-266) (-)

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

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

Time-->



#9

Nitrobenzene

Concen: 0.11 ng

RT: 8.69 min Scan# 265

Delta R.T. -0.12 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

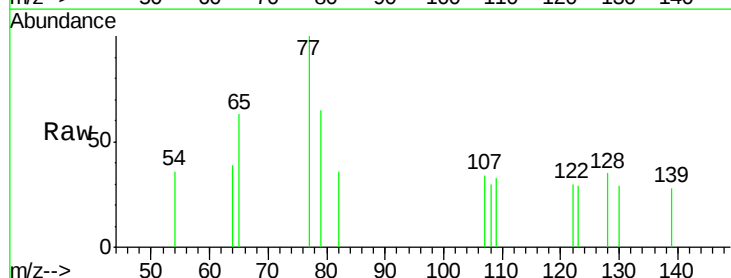
Tgt Ion: 77 Resp: 305

Ion Ratio Lower Upper

77 100

123 0.0 0.0 0.0

65 29.5 10.1 15.1#

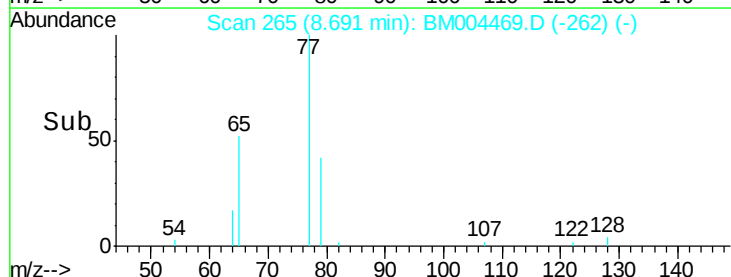


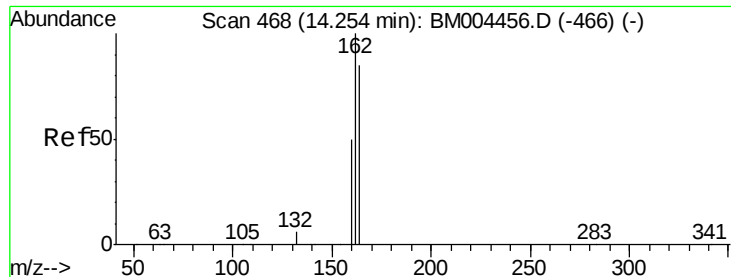
Abundance Ion 77.00 (76.70 to 77.70): BM004456.D (-267) (-)

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

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

Time-->





#12

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.25 min Scan# 468

Delta R.T. -0.00 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

Instrument :

BNA_M

ClientSampleId :

MW-5

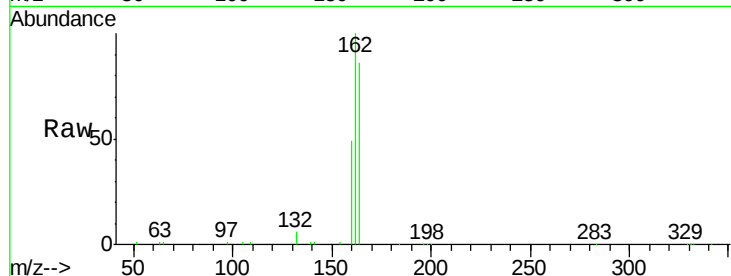
Tot Ion:164 Resp: 32219

Ion Ratio Lower Upper

164 100

162 116.8 94.6 141.8

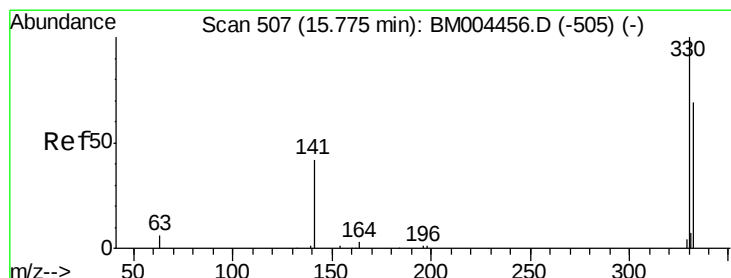
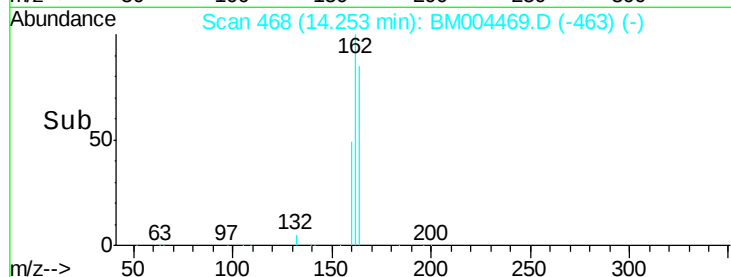
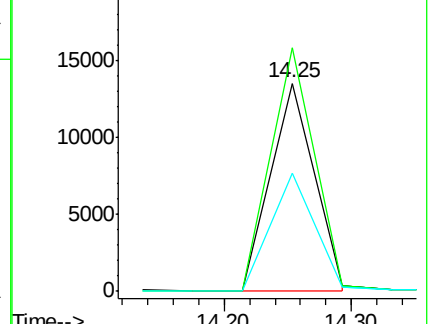
160 57.0 47.0 70.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#13

2,4,6-Tribromophenol

Concen: 7.25 ng

RT: 15.78 min Scan# 507

Delta R.T. 0.00 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

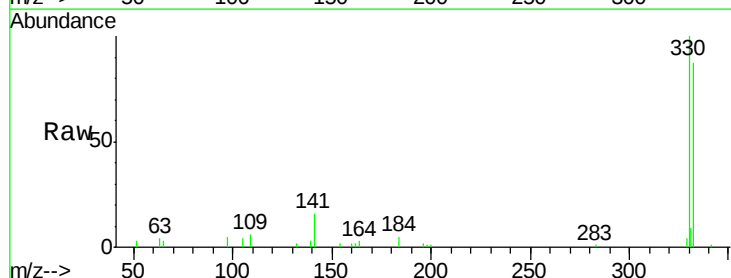
Tgt Ion:330 Resp: 11911

Ion Ratio Lower Upper

330 100

332 88.2 59.2 88.8

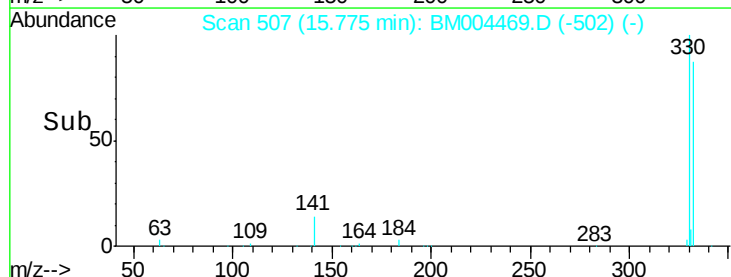
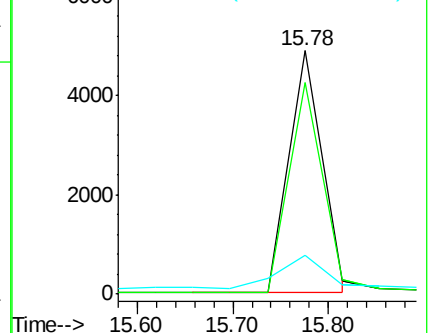
141 18.7 33.0 49.4#

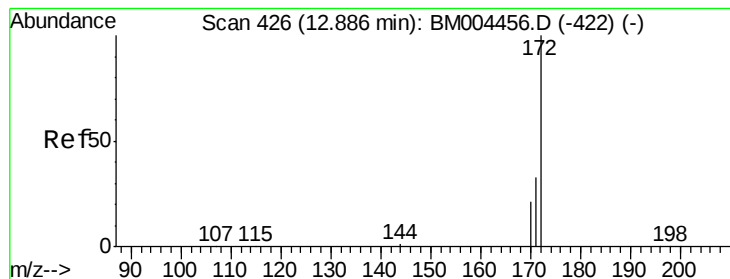


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E





#14

2-Fluorobiphenyl

Concen: 3.71 ng

RT: 12.89 min Scan# 426

Delta R.T. -0.00 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

Instrument :

BNA_M

ClientSampled :

MW-5

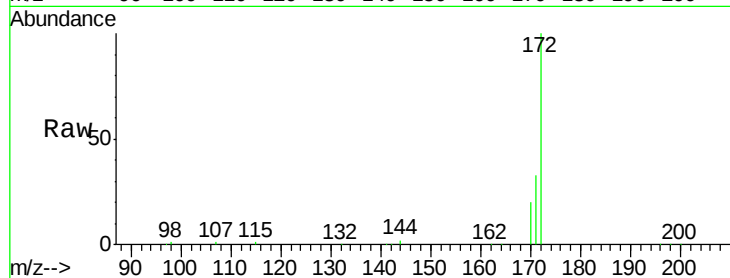
Tot Ion:172 Resp: 36414

Ion Ratio Lower Upper

172 100

171 32.8 27.2 40.8

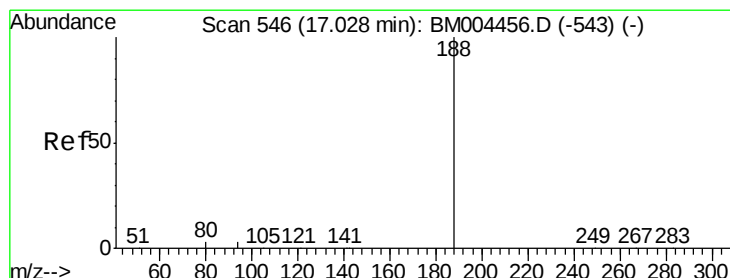
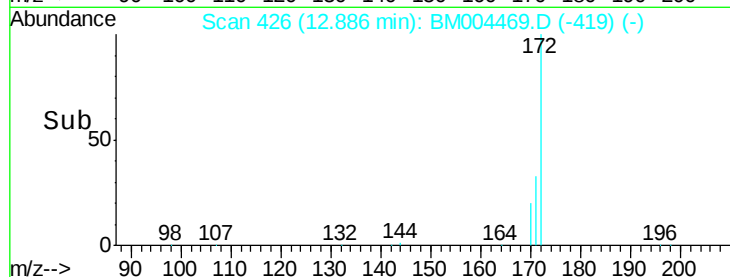
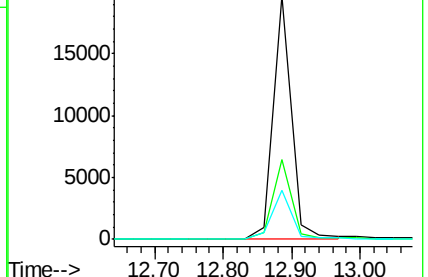
170 20.0 17.4 26.0



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: BM004469.D

Acq: 29 Feb 2016 03:50

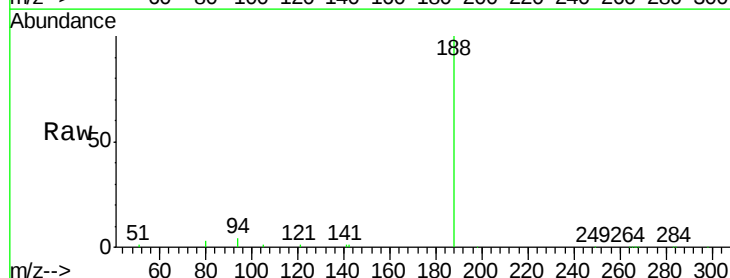
Tgt Ion:188 Resp: 38765

Ion Ratio Lower Upper

188 100

94 3.8 2.7 4.1

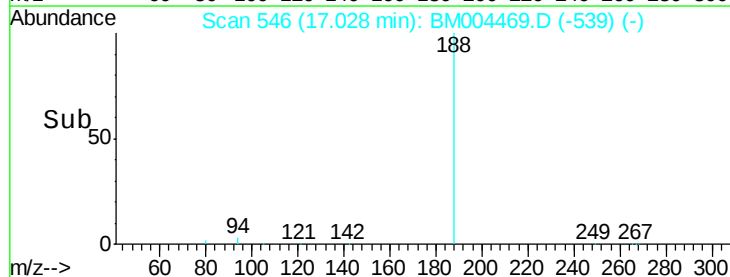
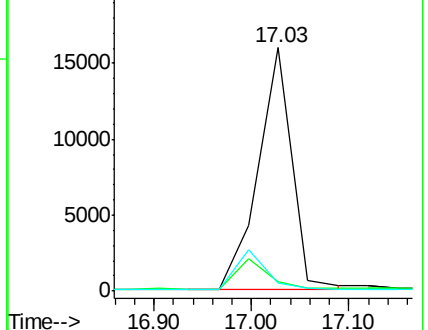
80 3.1 2.2 3.4

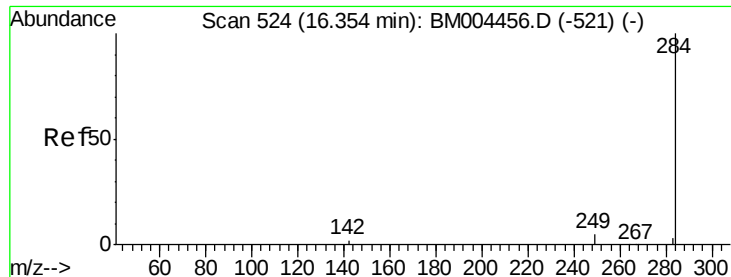


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#16

Hexachlorobenzene

Concen: Below Cal

RT: 16.32 min Scan# 523

Delta R.T. -0.03 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

Instrument :

BNA_M

ClientSampleId :

MW-5

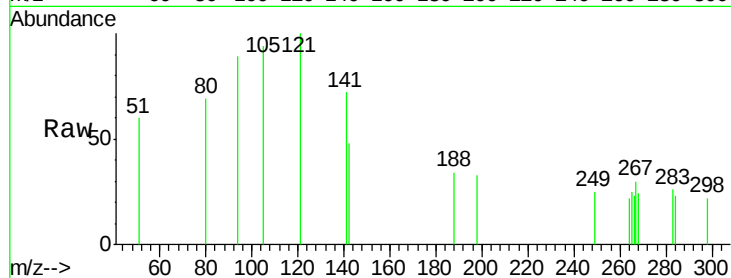
Tot Ion:284 Resp: 4

Ion Ratio Lower Upper

284 100

142 700.0 0.0 0.0#

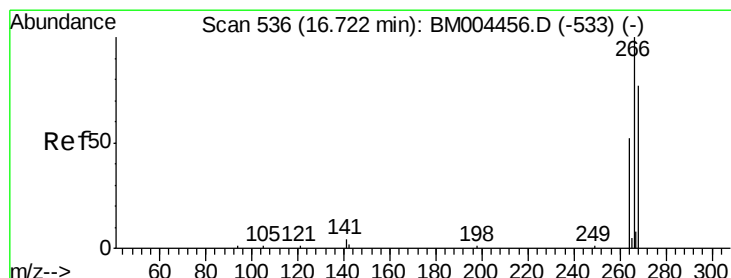
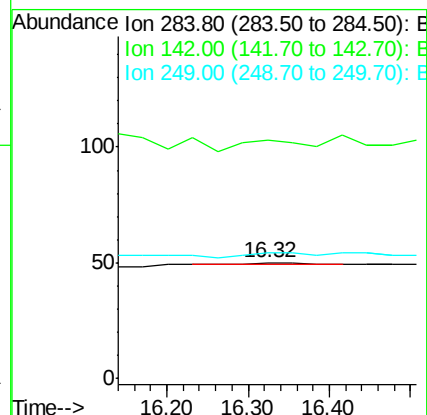
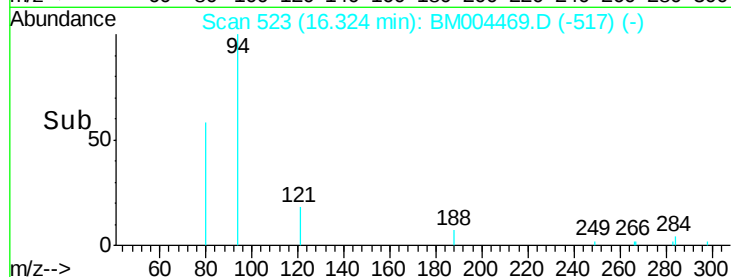
249 275.0 0.0 0.0#



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: 0.36 ng

RT: 16.72 min Scan# 536

Delta R.T. 0.00 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

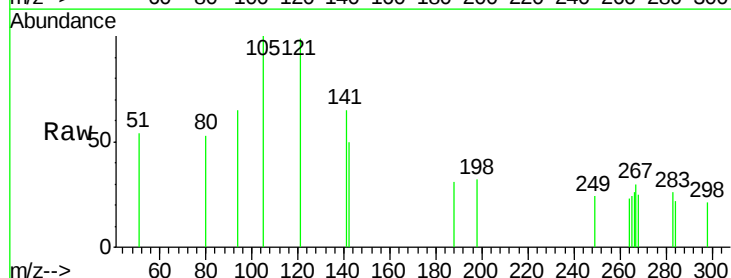
Tgt Ion:266 Resp: 29

Ion Ratio Lower Upper

266 100

268 98.3 66.8 100.2

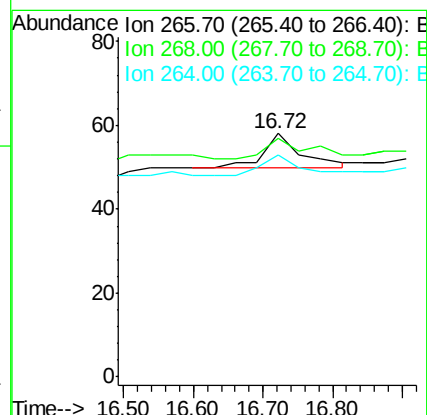
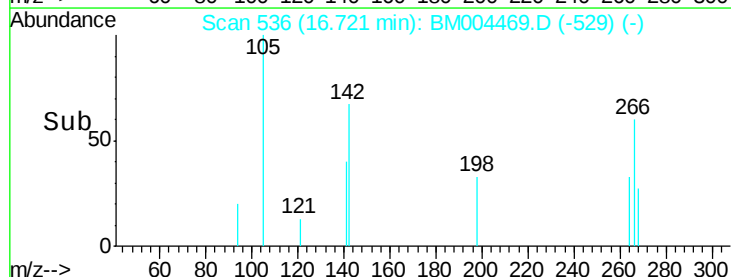
264 91.4 49.4 74.0#

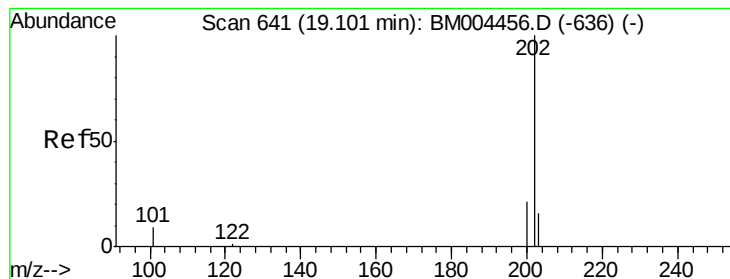


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#18

Fluoranthene

Concen: 0.04 ng

RT: 19.10 min Scan# 641

Delta R.T. -0.00 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

Instrument :

BNA_M

ClientSampleId :

MW-5

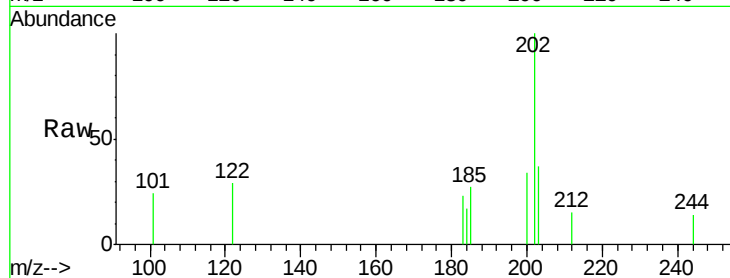
Tot Ion:202 Resp: 691

Ion Ratio Lower Upper

202 100

101 14.6 9.4 14.0#

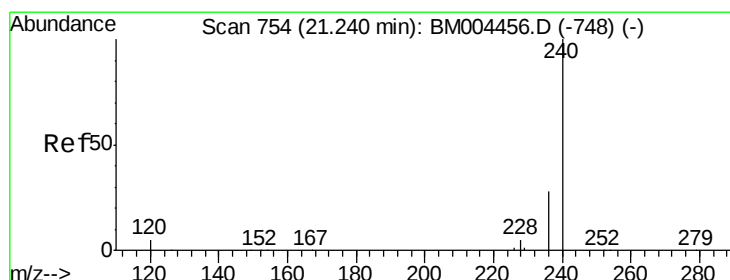
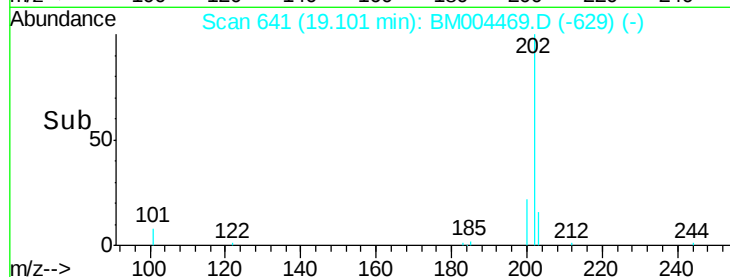
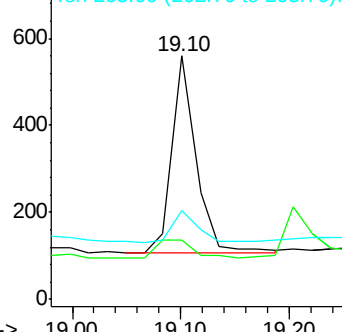
203 18.5 13.9 20.9



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

Chrysene-d12

Concen: 5.00 ng

RT: 21.24 min Scan# 754

Delta R.T. -0.00 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

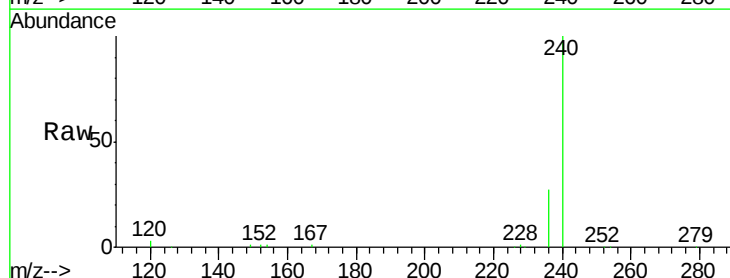
Tgt Ion:240 Resp: 54393

Ion Ratio Lower Upper

240 100

120 3.0 4.0 6.0#

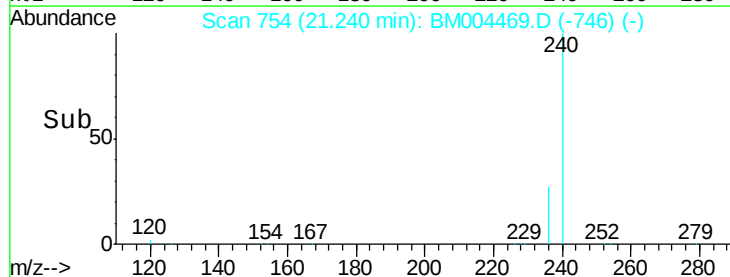
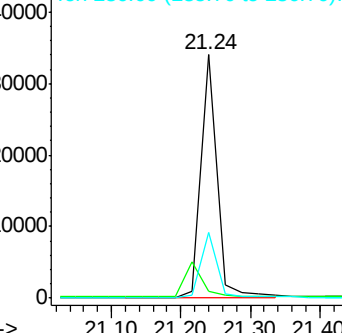
236 26.9 22.7 34.1

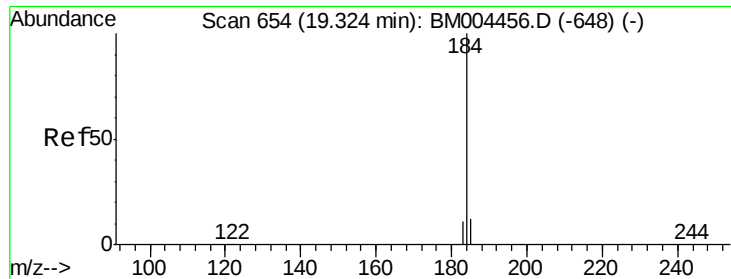


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

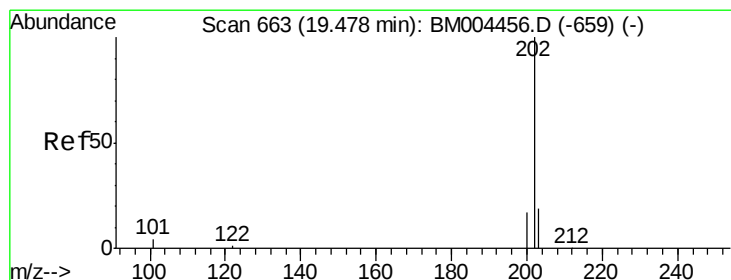
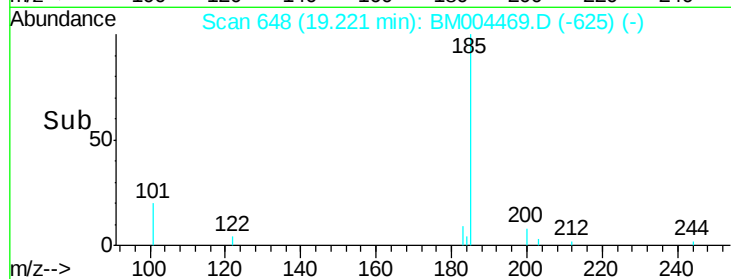
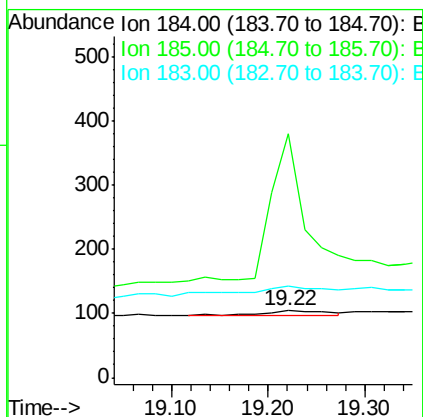
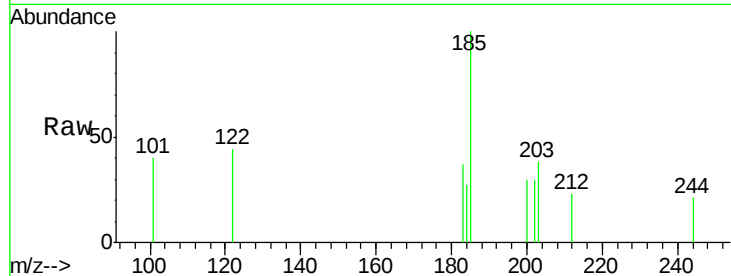




#20
Benzidine
Concen: 0.42 ng
RT: 19.22 min Scan# 648
Delta R.T. -0.10 min
Lab File: BM004469.D
Acq: 29 Feb 2016 03:50

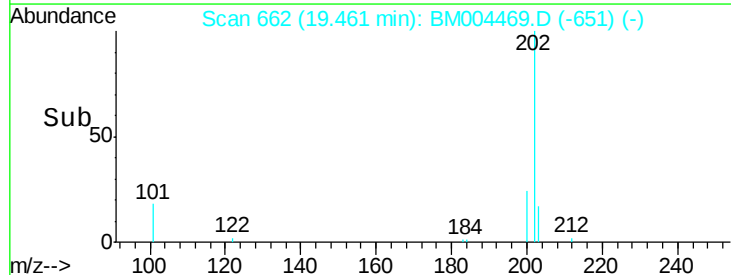
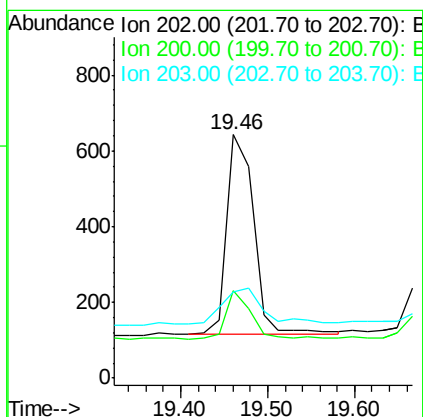
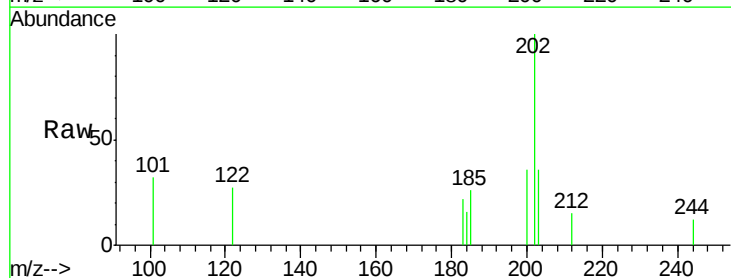
Instrument :
BNA_M
ClientSampleId :
MW-5

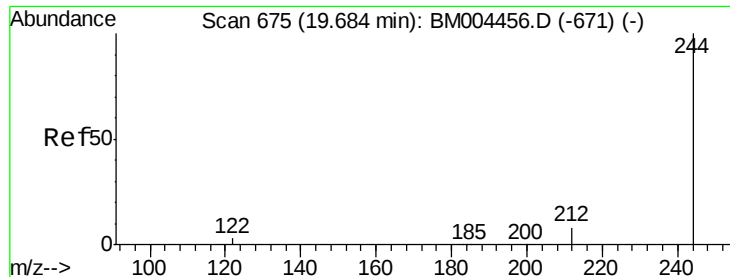
Tot Ion:184 Resp: 41
Ion Ratio Lower Upper
184 100
185 364.4 20.8 31.2#
183 136.5 18.5 27.7#



#21
Pyrene
Concen: 0.07 ng
RT: 19.46 min Scan# 662
Delta R.T. -0.02 min
Lab File: BM004469.D
Acq: 29 Feb 2016 03:50

Tgt Ion:202 Resp: 1144
Ion Ratio Lower Upper
202 100
200 23.3 16.6 24.8
203 27.8 13.9 20.9#

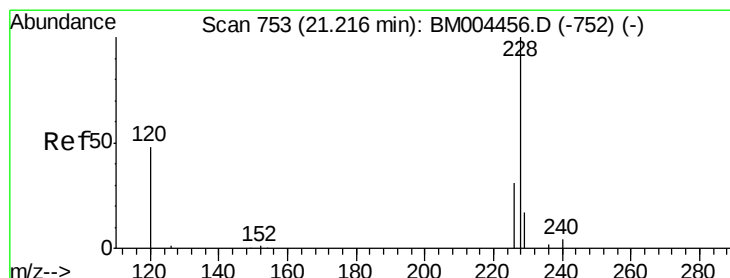
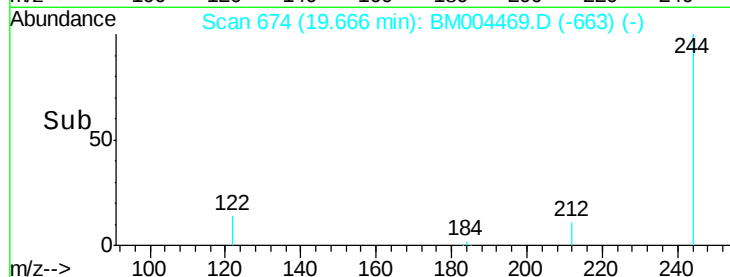
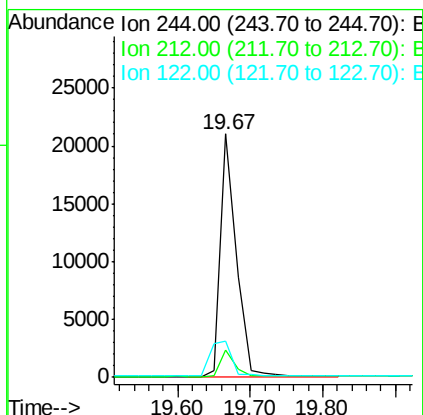
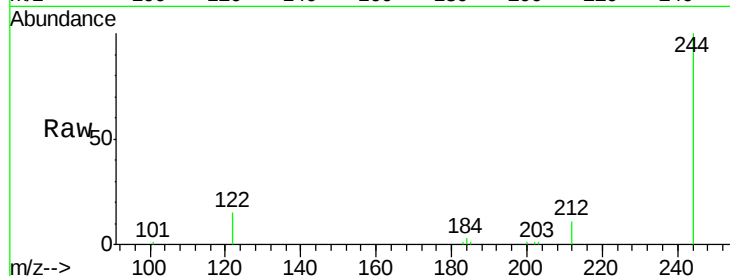




#22
 Terphenyl-d14
 Concen: 4.67 ng
 RT: 19.67 min Scan# 674
 Delta R.T. -0.02 min
 Lab File: BM004469.D
 Acq: 29 Feb 2016 03:50

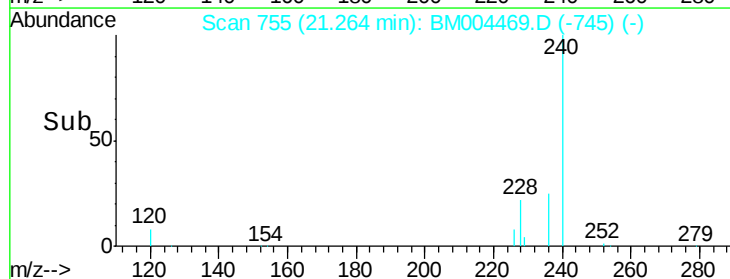
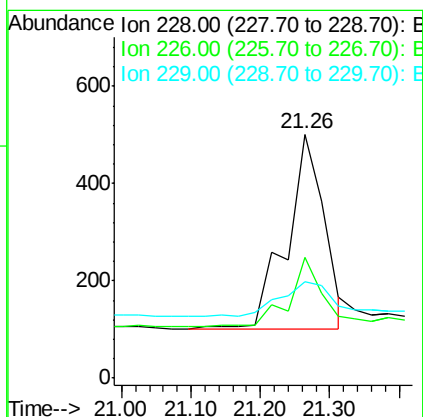
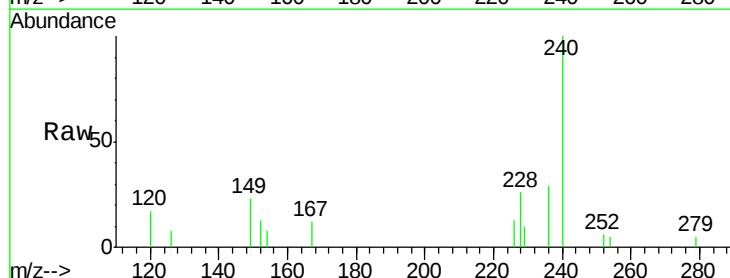
Instrument :
 BNA_M
 ClientSampleId :
 MW-5

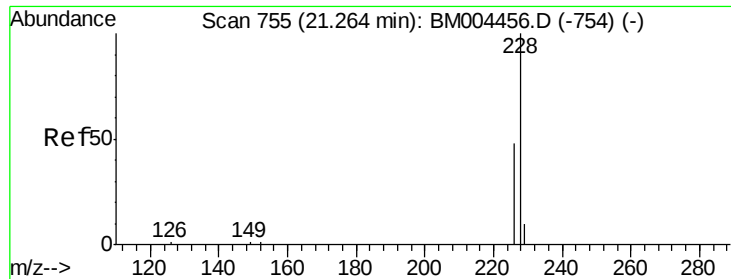
Tot Ion:244 Resp: 32374
 Ion Ratio Lower Upper
 244 100
 212 11.1 7.4 11.2
 122 15.1 4.2 6.2#



#23
 Benzo(a)anthracene
 Concen: 0.10 ng
 RT: 21.26 min Scan# 755
 Delta R.T. 0.05 min
 Lab File: BM004469.D
 Acq: 29 Feb 2016 03:50

Tgt Ion:228 Resp: 1490
 Ion Ratio Lower Upper
 228 100
 226 49.5 25.1 37.7#
 229 39.5 14.2 21.4#





#25

Chrysene

Concen: Below Cal

RT: 21.26 min Scan# 755

Delta R.T. 0.00 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

Instrument :

BNA_M

ClientSampleId :

MW-5

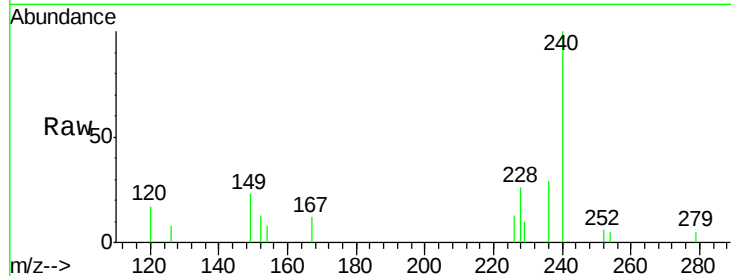
Tot Ion:228 Resp: 1537

Ion Ratio Lower Upper

228 100

226 49.5 31.0 46.6#

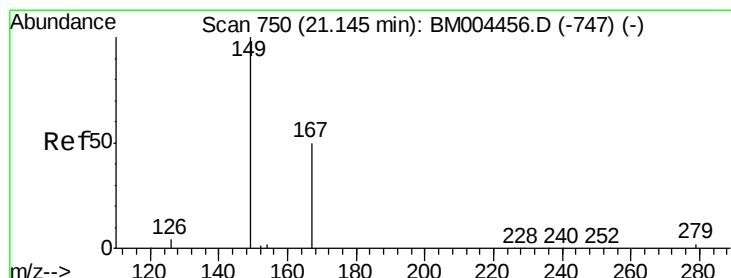
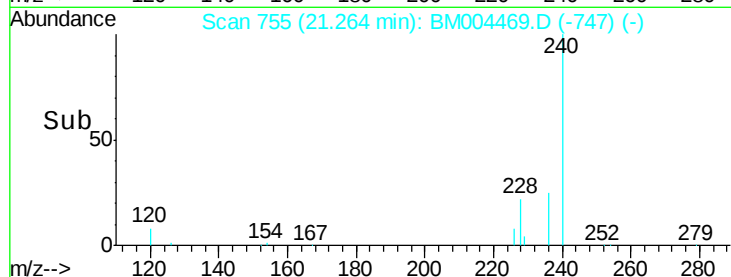
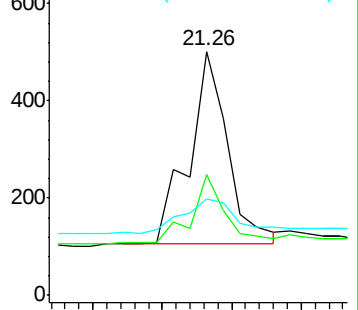
229 39.5 13.4 20.2#



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



#26

Bis(2-ethylhexyl)phthalate

Concen: Below Cal

RT: 21.12 min Scan# 749

Delta R.T. -0.02 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

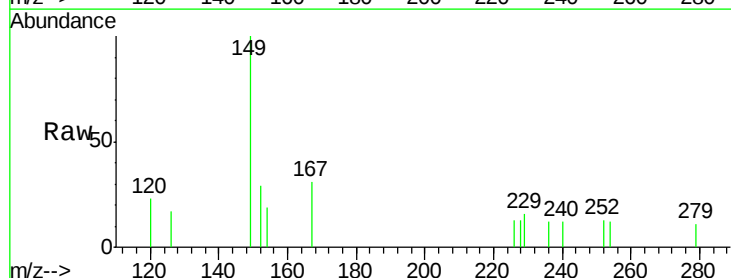
Tgt Ion:149 Resp: 1015

Ion Ratio Lower Upper

149 100

167 0.0 33.1 49.7#

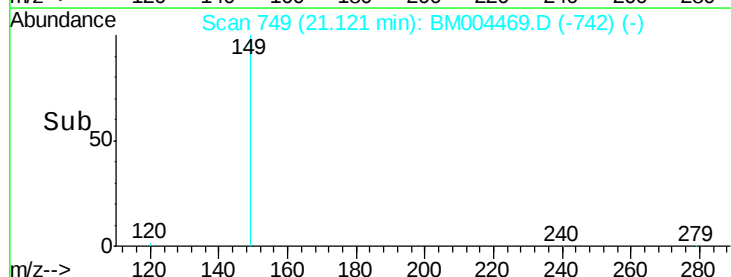
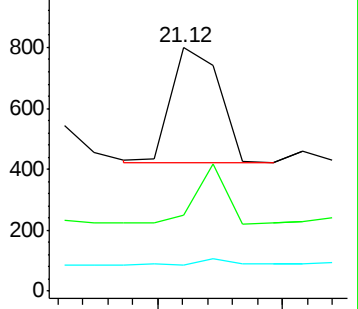
279 0.0 2.0 3.0#

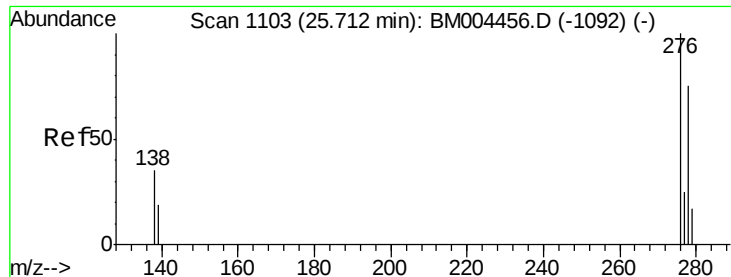


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

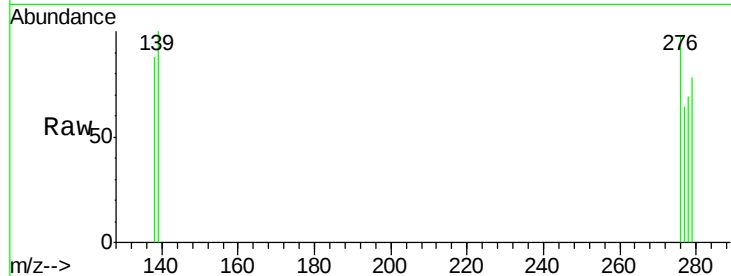




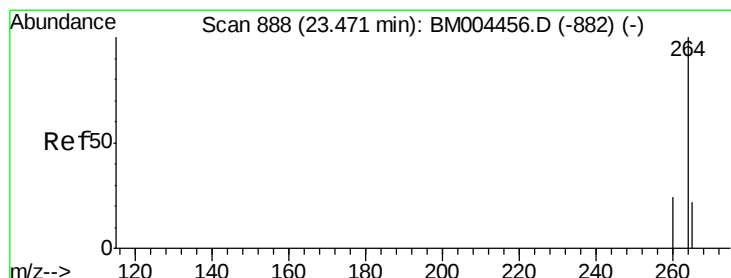
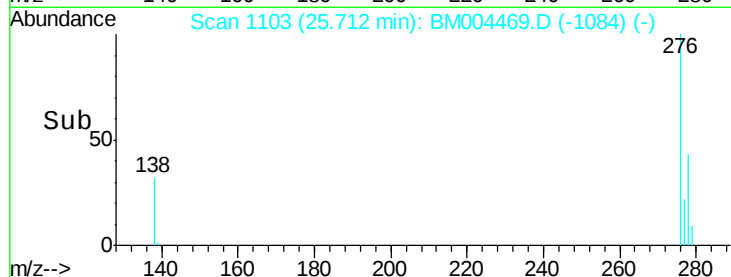
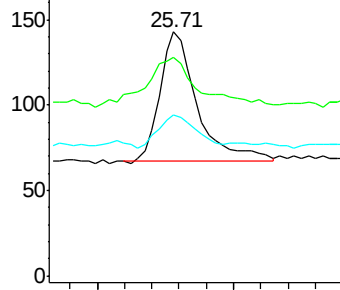
#27
Indeno(1,2,3-cd)pyrene
Concen: 0.02 ng
RT: 25.71 min Scan# 1103
Delta R.T. -0.00 min
Lab File: BM004469.D
Acq: 29 Feb 2016 03:50

Instrument :
BNA_M
ClientSampleId :
MW-5

Tot Ion:276 Resp: 288
Ion Ratio Lower Upper
276 100
138 53.8 30.0 45.0#
277 25.3 19.8 29.8

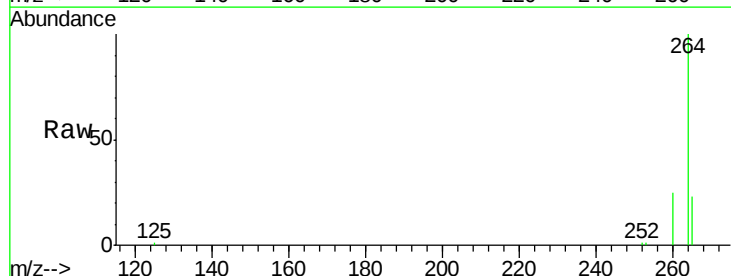


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

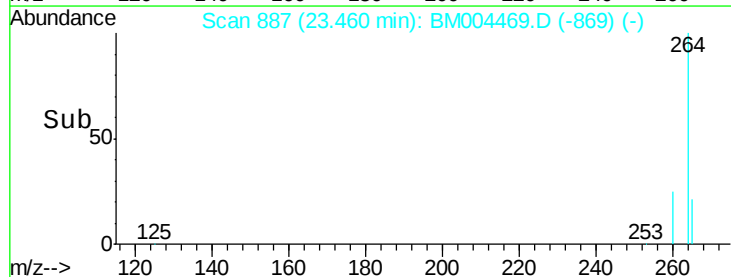
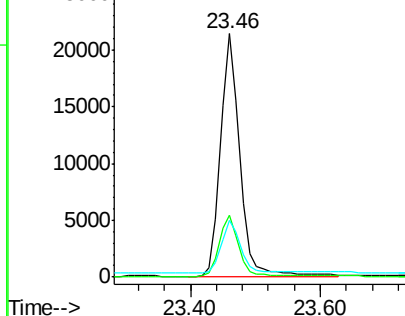


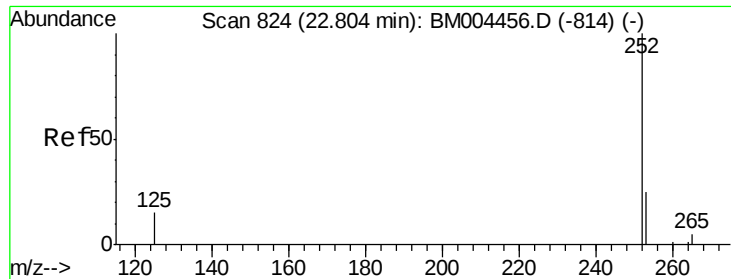
#28
Perylene-d12
Concen: 5.00 ng
RT: 23.46 min Scan# 887
Delta R.T. -0.01 min
Lab File: BM004469.D
Acq: 29 Feb 2016 03:50

Tgt Ion:264 Resp: 43832
Ion Ratio Lower Upper
264 100
260 25.5 19.4 29.2
265 23.1 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: 0.07 ng

RT: 22.80 min Scan# 824

Delta R.T. -0.00 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

Instrument :

BNA_M

ClientSampleId :

MW-5

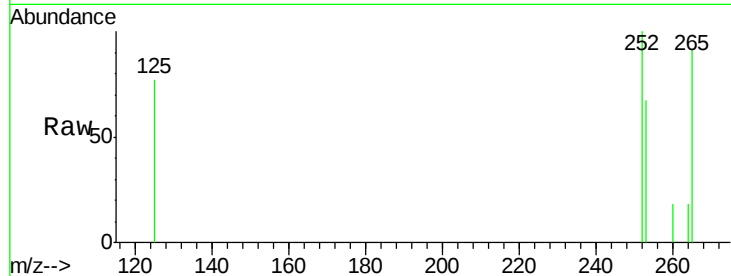
Tot Ion:252 Resp: 1098

Ion Ratio Lower Upper

252 100

253 67.5 19.8 29.6#

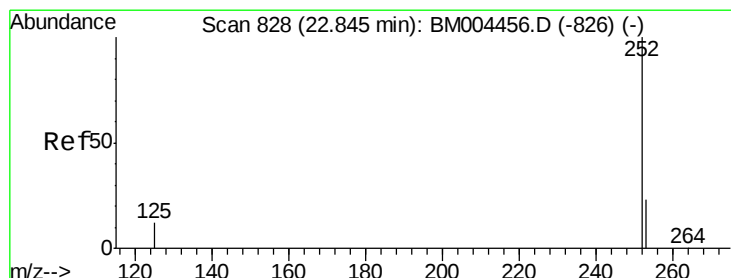
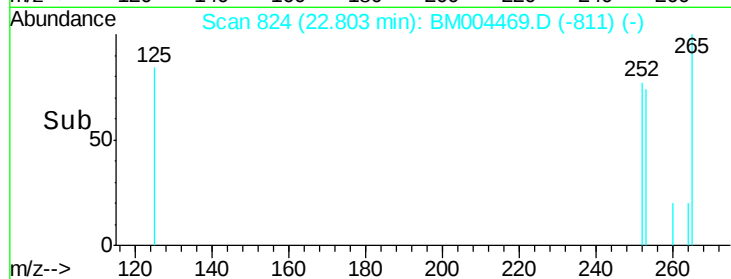
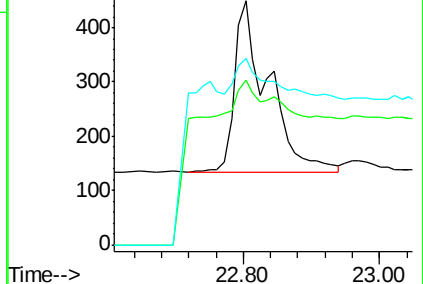
125 76.6 12.2 18.2#



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: 0.08 ng

RT: 22.80 min Scan# 824

Delta R.T. -0.04 min

Lab File: BM004469.D

Acq: 29 Feb 2016 03:50

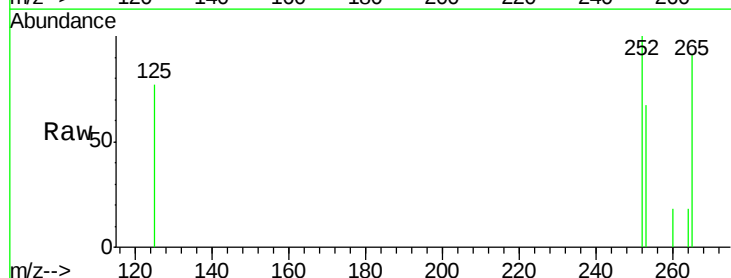
Tgt Ion:252 Resp: 1098

Ion Ratio Lower Upper

252 100

253 67.5 19.3 28.9#

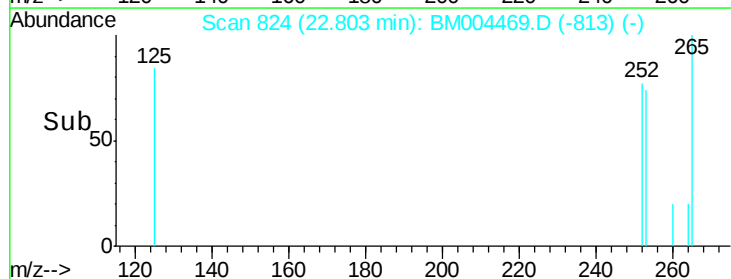
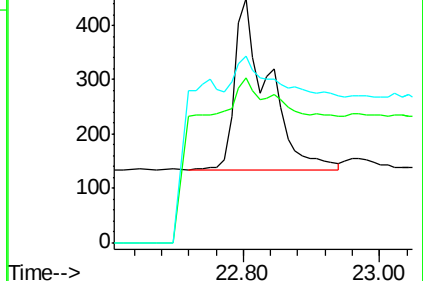
125 76.6 12.4 18.6#

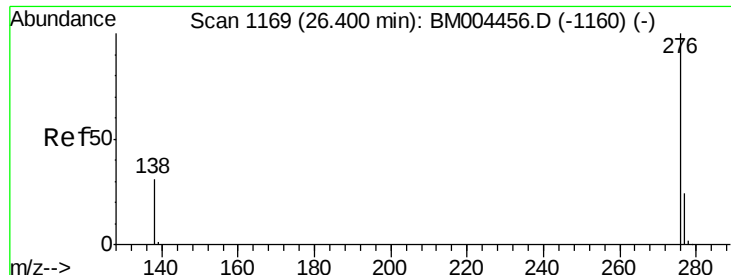


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#33

Benzo(a,h,i)perylene

Concen: 0.02 ng

RT: 26.40 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BM004469.D

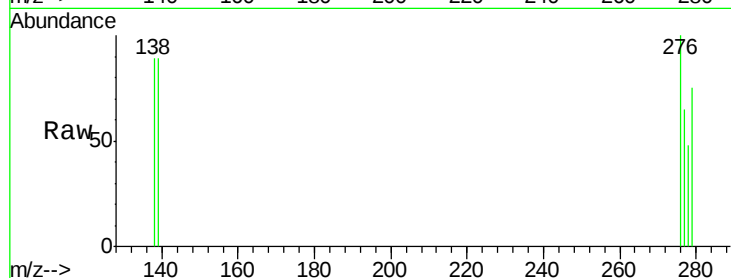
Acq: 29 Feb 2016 03:50

Instrument :

BNA_M

ClientSampleId :

MW-5



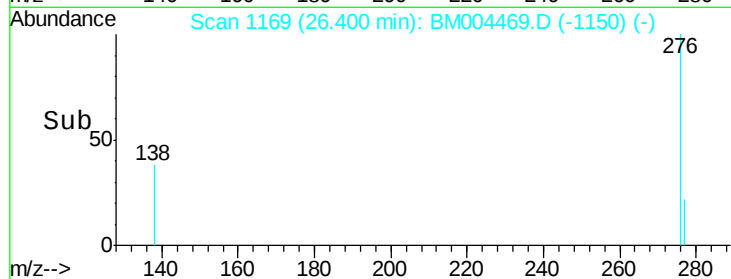
Tot Ion: 276 Resp: 292

Ion Ratio Lower Upper

276 100

277 64.8 20.4 30.6#

138 88.7 26.4 39.6#



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

