

Data Path : Z:\HPCHEM1\BNA M\DATA\BM022916\
 Data File : BM004496.D
 Acq On : 01 Mar 2016 08:05
 Operator : SJ/UM
 Sample : H1509-06DL 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Mar 01 10:08:56 2016
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-SIM-BM022916.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 01 00:52:28 2016
 Response via : Initial Calibration

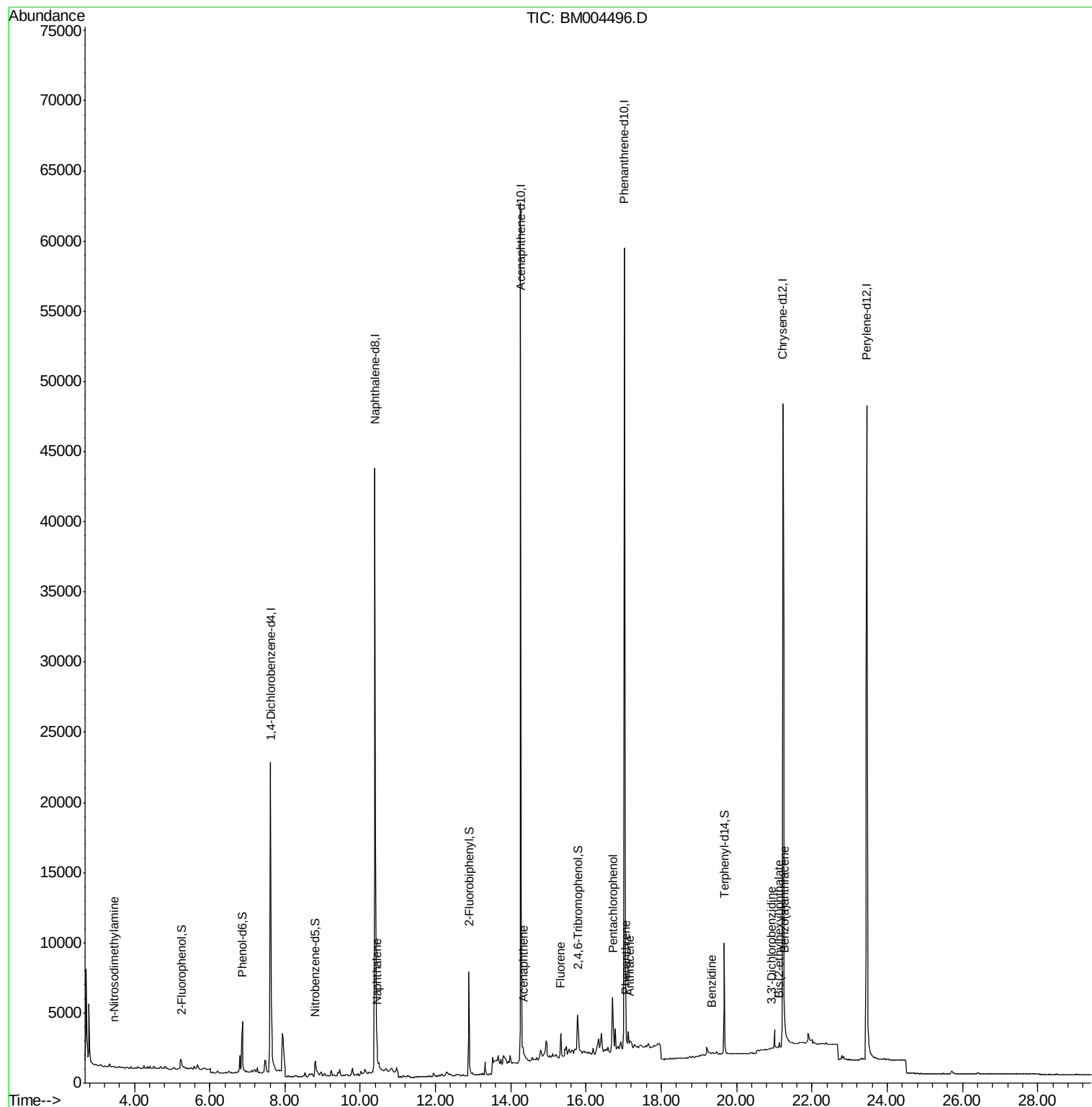
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.62	152	16802	5.00	ng	0.00
7) Naphthalene-d8	10.39	136	66980	5.00	ng	0.00
13) Acenaphthene-d10	14.26	164	38537	5.00	ng	0.00
19) Phenanthrene-d10	17.01	188	83056	5.00	ng	0.00
26) Chrysene-d12	21.23	240	67001	5.00	ng	-0.01
35) Perylene-d12	23.45	264	66002	5.00	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.24	112	1328	0.34	ng	0.02
5) Phenol-d6	6.87	99	1015	0.23	ng	0.05
8) Nitrobenzene-d5	8.81	82	1828	0.54	ng	0.01
14) 2,4,6-Tribromophenol	15.77	330	2335	1.58	ng	-0.03
15) 2-Fluorobiphenyl	12.88	172	8617	0.73	ng	0.00
29) Terphenyl-d14	19.67	244	9586	1.11	ng	0.00
Target Compounds						
3) n-Nitrosodimethylamine	3.46	42	36	0.02	ng	# 1
10) Naphthalene	10.44	128	1232	0.03	ng	# 16
17) Acenaphthene	14.33	154	803	0.06	ng	# 72
18) Fluorene	15.33	166	1256	0.07	ng	# 94
20) 4-Bromophenyl-phenylether	16.17	248	28	Below Cal		# 1
22) Pentachlorophenol	16.71	266	3699	3.71	ng	# 88
23) Phenanthrene	17.06	178	380	0.03	ng	# 60
24) Anthracene	17.17	178	518	0.02	ng	# 56
27) Benzidine	19.35	184	97	0.33	ng	# 1
30) Benzo(a)anthracene	21.27	228	2072	0.08	ng	# 73
31) 3,3'-Dichlorobenzidine	20.94	252	52	0.14	ng	# 42
32) Chrysene	21.27	228	2194	Below Cal		# 74
33) Bis(2-ethylhexyl)phthalate	21.12	149	596	0.03	ng	# 48

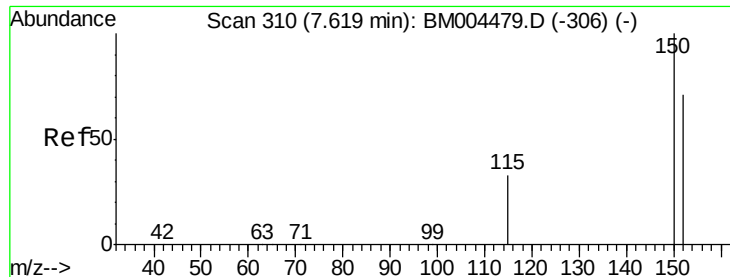
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Mar 01 00:52:28 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 5.00 ng

RT: 7.62 min Scan# 310

Delta R.T. 0.00 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

Instrument :

BNA_M

ClientSampled :

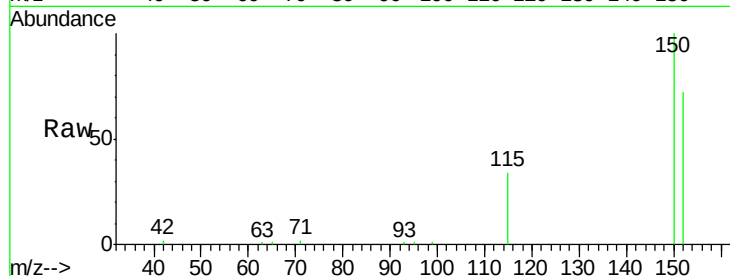
Tot Ion:152 Resp: 16802

Ion Ratio Lower Upper

152 100

150 138.1 111.9 167.9

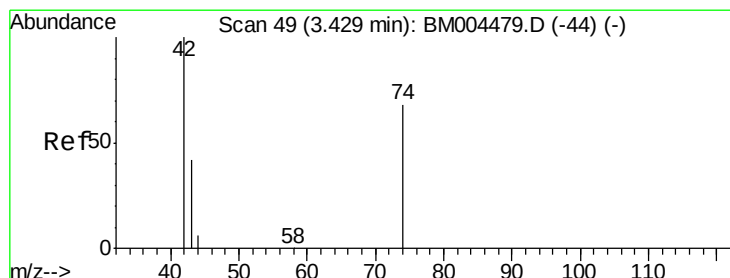
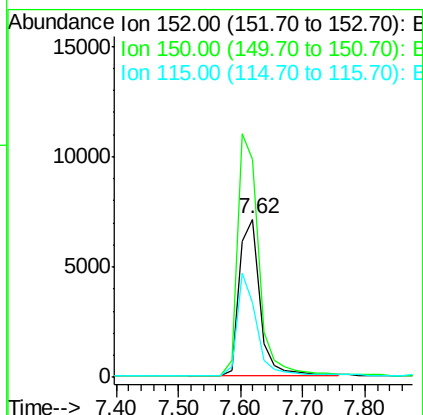
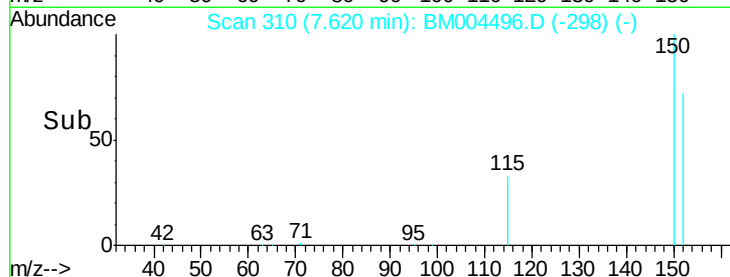
115 47.0 37.7 56.5



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: 0.02 ng

RT: 3.46 min Scan# 51

Delta R.T. 0.03 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

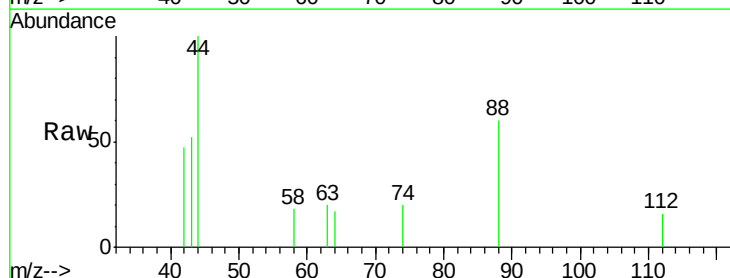
Tgt Ion: 42 Resp: 36

Ion Ratio Lower Upper

42 100

74 0.0 117.8 176.8#

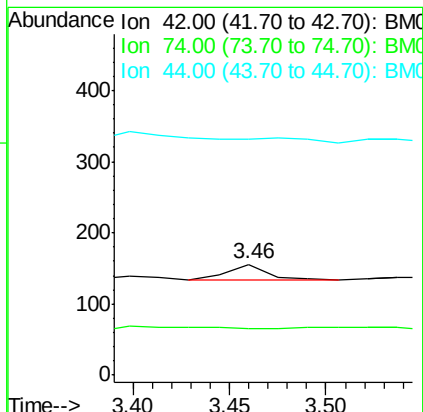
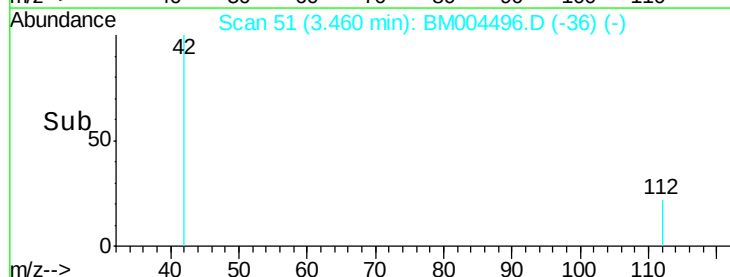
44 0.0 6.1 9.1#

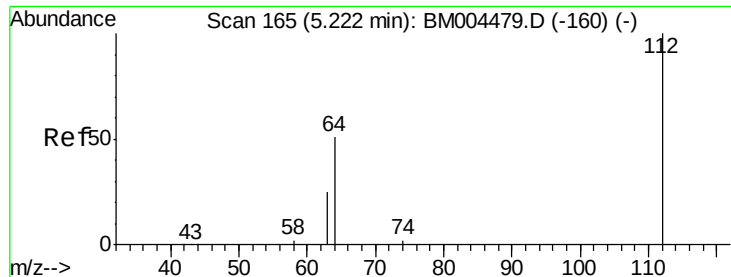


Abundance Ion 42.00 (41.70 to 42.70): BM0

Ion 74.00 (73.70 to 74.70): BM0

Ion 44.00 (43.70 to 44.70): BM0





#4

2-Fluorophenol

Concen: 0.34 ng

RT: 5.24 min Scan# 166

Delta R.T. 0.02 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

Instrument :

BNA_M

ClientSampleId :

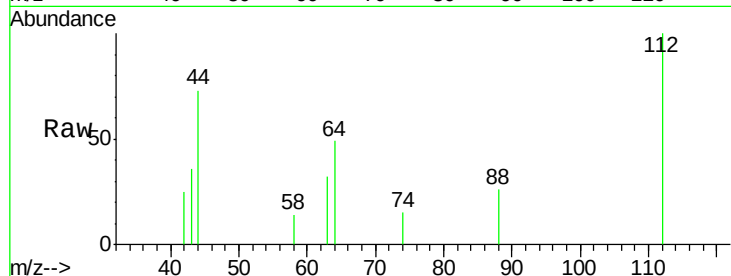
Tot Ion:112 Resp: 1328

Ion Ratio Lower Upper

112 100

64 48.9 39.6 59.4

63 25.1 20.0 30.0

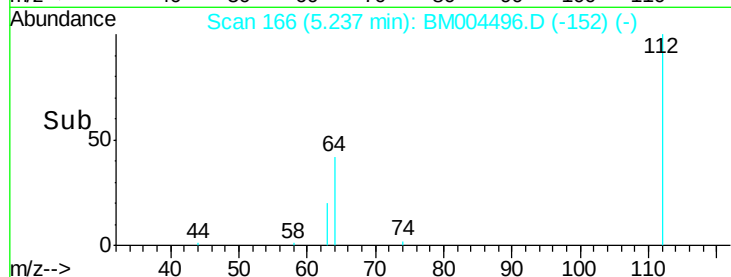


Abundance Ion 112.00 (111.70 to 112.70): B

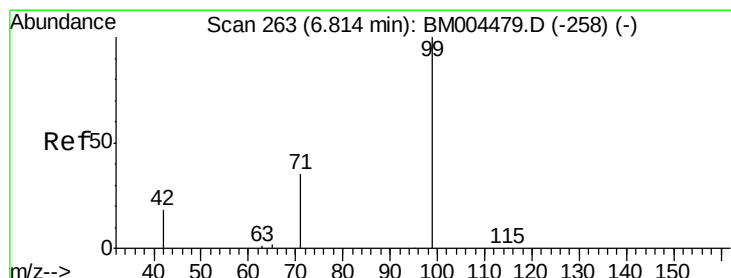
Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM

5.24



Time--> 5.00 5.10 5.20 5.30 5.40



#5

Phenol-d6

Concen: 0.23 ng

RT: 6.87 min Scan# 266

Delta R.T. 0.05 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

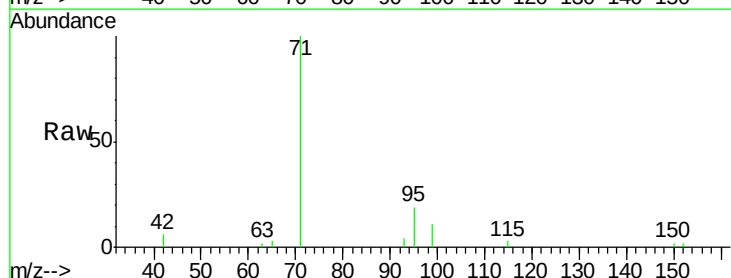
Tgt Ion: 99 Resp: 1015

Ion Ratio Lower Upper

99 100

42 19.7 12.2 18.2#

71 703.8 23.4 35.2#

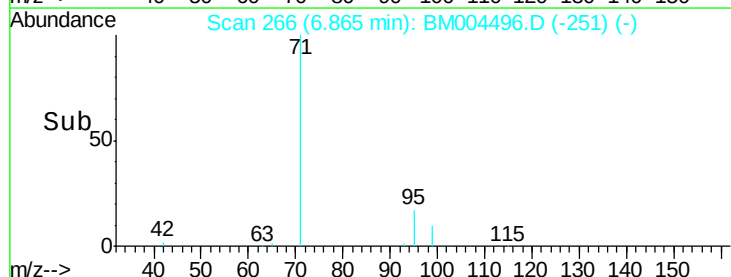


Abundance Ion 99.00 (98.70 to 99.70): BM

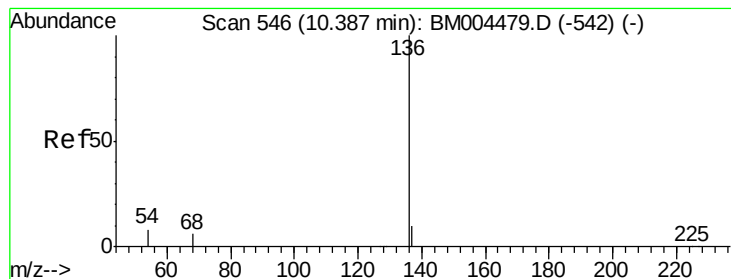
Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM

6.87



Time--> 6.70 6.80 6.90 7.00



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.39 min Scan# 547

Delta R.T. 0.00 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

Instrument :

BNA_M

ClientSampleId :

Tot Ion:136 Resp: 66980

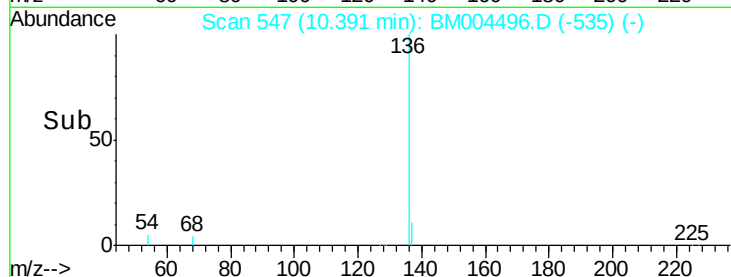
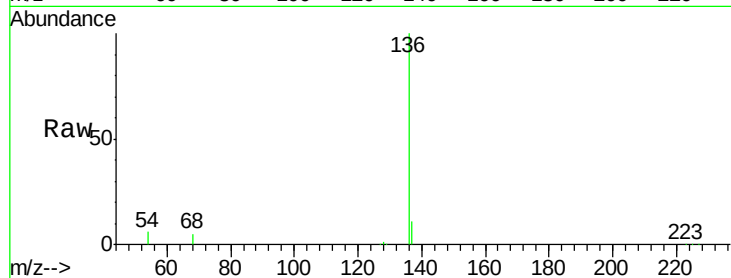
Ion Ratio Lower Upper

136 100

137 10.9 8.2 12.2

54 5.6 6.4 9.6#

68 4.7 5.0 7.4#

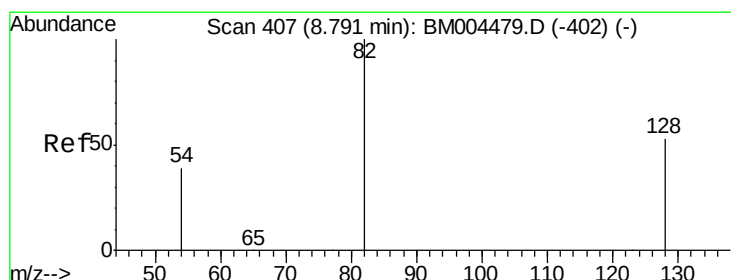
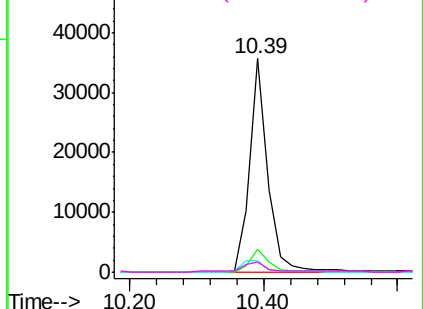


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#8

Nitrobenzene-d5

Concen: 0.54 ng

RT: 8.81 min Scan# 409

Delta R.T. 0.01 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

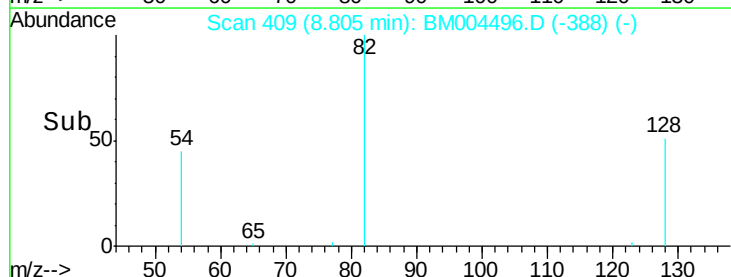
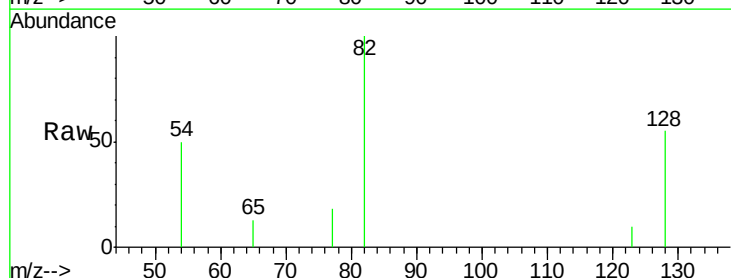
Tgt Ion: 82 Resp: 1828

Ion Ratio Lower Upper

82 100

128 55.4 43.7 65.5

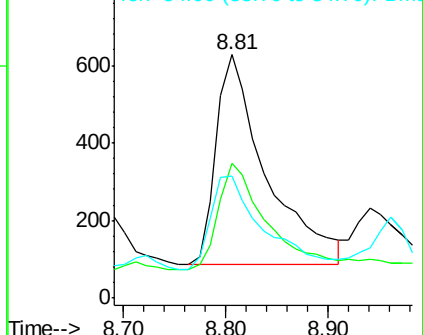
54 50.2 33.5 50.3

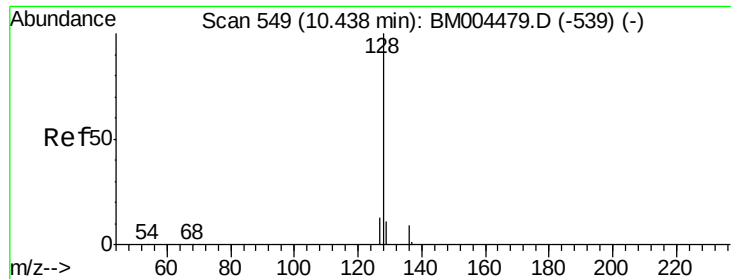


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

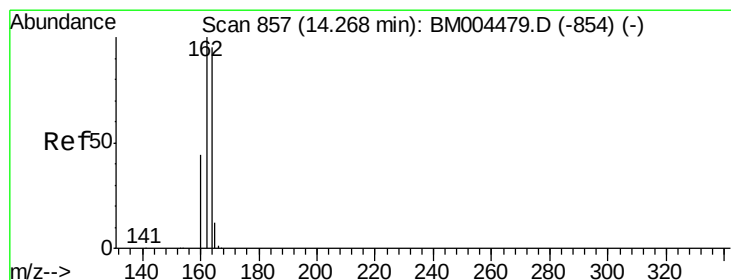
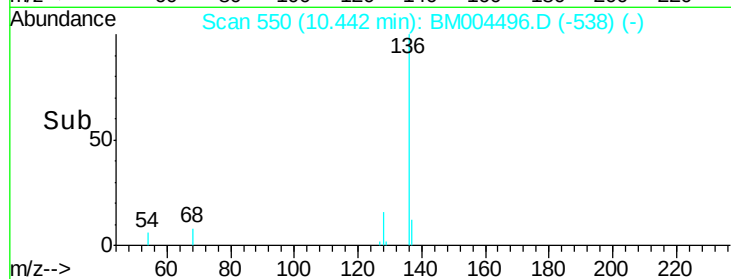
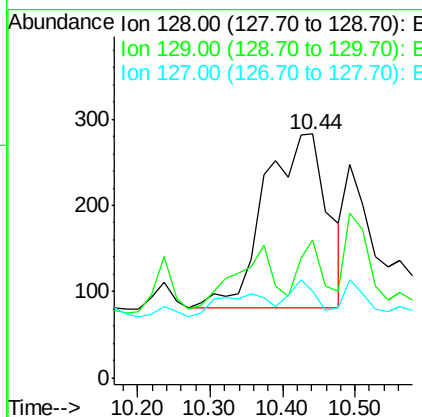
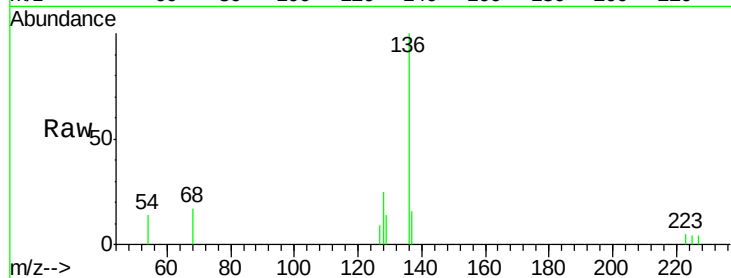




#10
Naphthalene
Concen: 0.03 ng
RT: 10.44 min Scan# 550
Delta R.T. 0.00 min
Lab File: BM004496.D
Acq: 01 Mar 2016 08:05

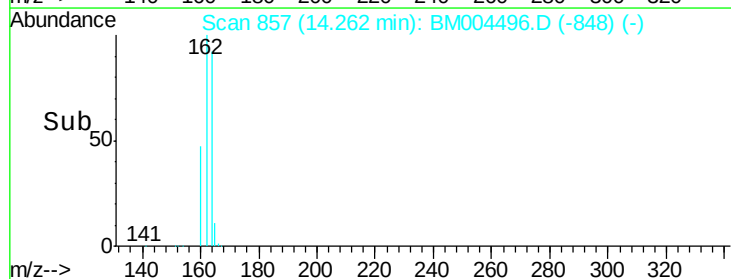
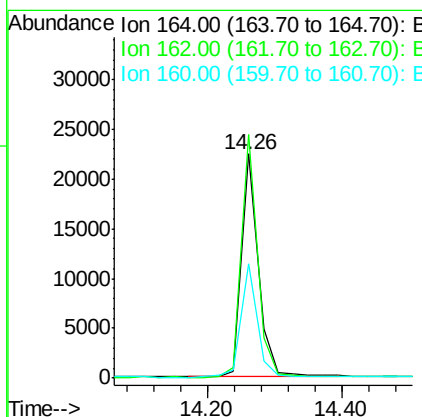
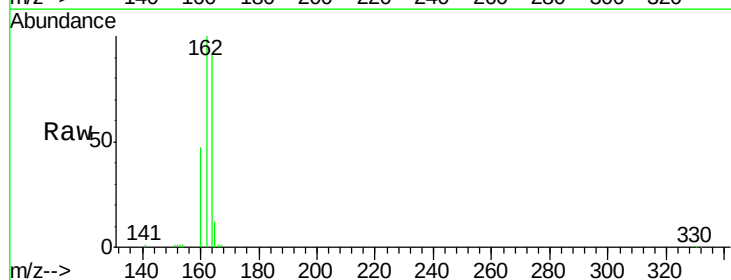
Instrument :
BNA_M
ClientSampleId :

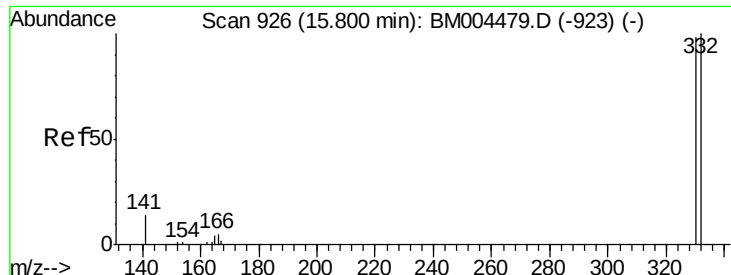
Tot Ion:128 Resp: 1232
Ion Ratio Lower Upper
128 100
129 56.5 8.9 13.3#
127 35.7 10.9 16.3#



#13
Acenaphthene-d10
Concen: 5.00 ng
RT: 14.26 min Scan# 857
Delta R.T. -0.01 min
Lab File: BM004496.D
Acq: 01 Mar 2016 08:05

Tgt Ion:164 Resp: 38537
Ion Ratio Lower Upper
164 100
162 108.5 84.2 126.4
160 51.1 37.4 56.2

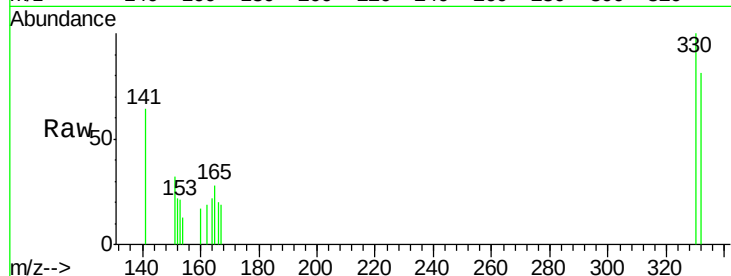




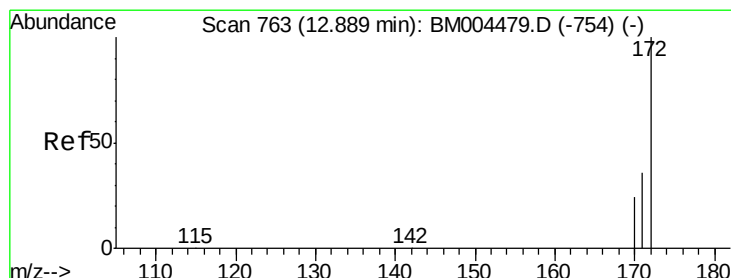
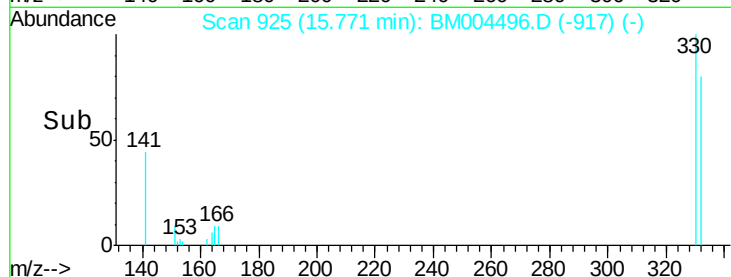
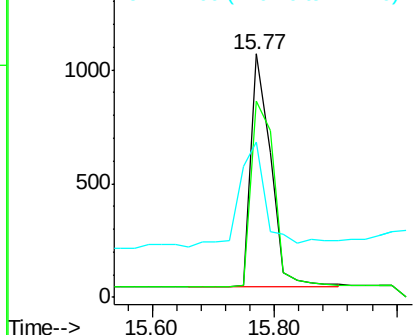
#14
 2,4,6-Tribromophenol
 Concen: 1.58 ng
 RT: 15.77 min Scan# 925
 Delta R.T. -0.03 min
 Lab File: BM004496.D
 Acq: 01 Mar 2016 08:05

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion:330 Resp: 2335
 Ion Ratio Lower Upper
 330 100
 332 93.5 76.1 114.1
 141 61.2 0.0 0.0#

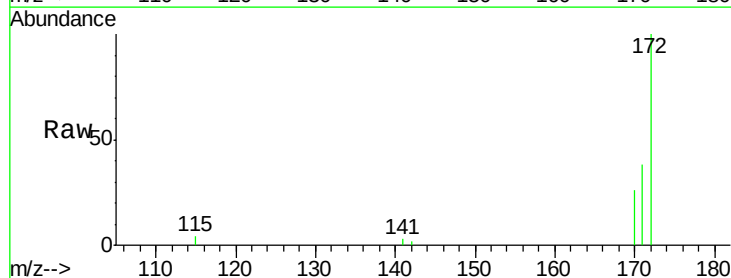


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

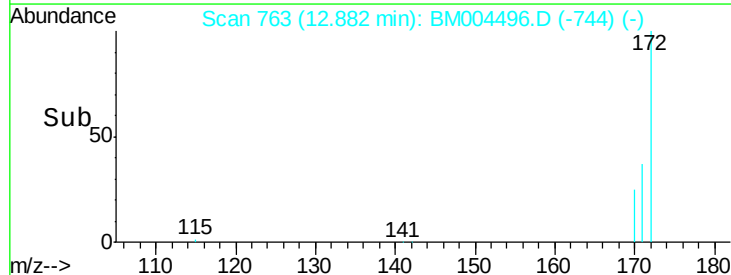
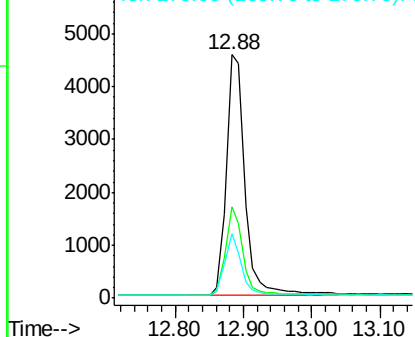


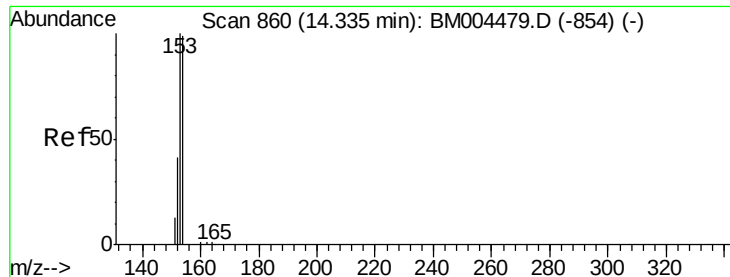
#15
 2-Fluorobiphenyl
 Concen: 0.73 ng
 RT: 12.88 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BM004496.D
 Acq: 01 Mar 2016 08:05

Tgt Ion:172 Resp: 8617
 Ion Ratio Lower Upper
 172 100
 171 37.7 29.2 43.8
 170 26.4 19.7 29.5



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

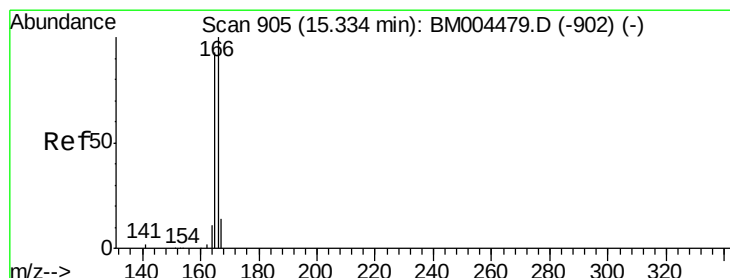
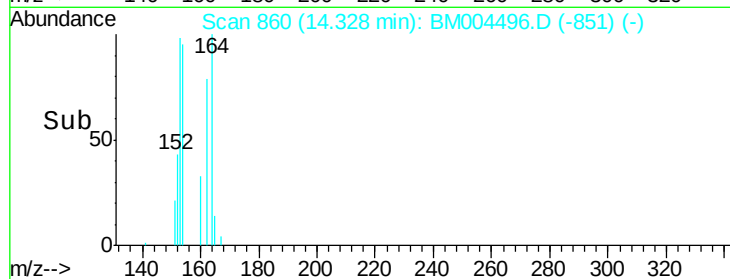
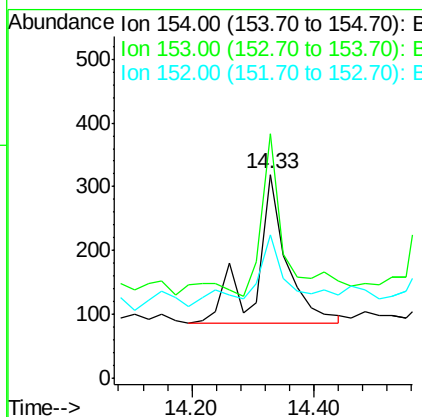
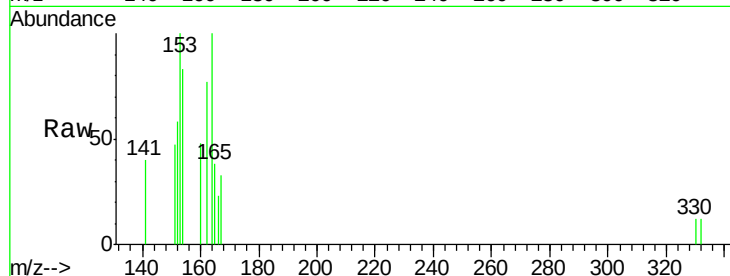




#17
Acenaphthene
Concen: 0.06 ng
RT: 14.33 min Scan# 860
Delta R.T. -0.01 min
Lab File: BM004496.D
Acq: 01 Mar 2016 08:05

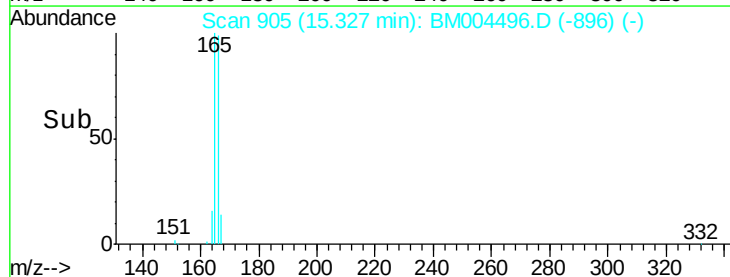
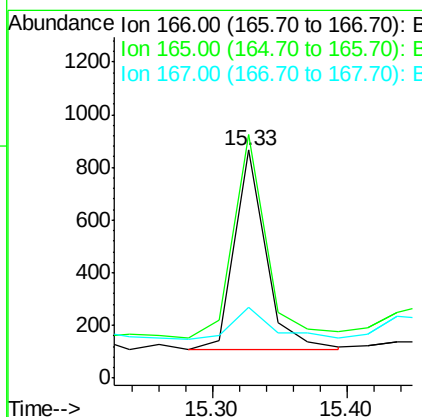
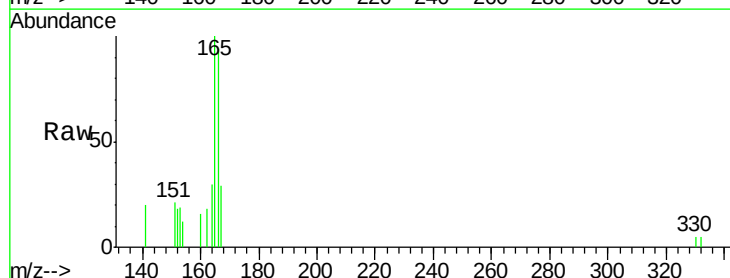
Instrument :
BNA_M
ClientSampleId :

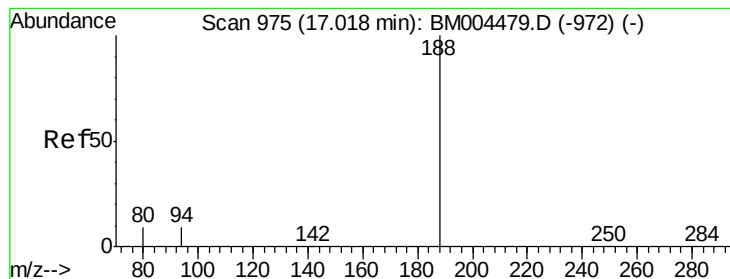
Tot Ion:154 Resp: 803
Ion Ratio Lower Upper
154 100
153 81.9 88.0 132.0#
152 30.6 41.1 61.7#



#18
Fluorene
Concen: 0.07 ng
RT: 15.33 min Scan# 905
Delta R.T. -0.01 min
Lab File: BM004496.D
Acq: 01 Mar 2016 08:05

Tgt Ion:166 Resp: 1256
Ion Ratio Lower Upper
166 100
165 100.0 77.2 115.8
167 21.5 10.9 16.3#





#19

Phenanthrene-d10

Concen: 5.00 ng

RT: 17.01 min Scan# 975

Delta R.T. -0.01 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

Instrument :

BNA_M

ClientSampleId :

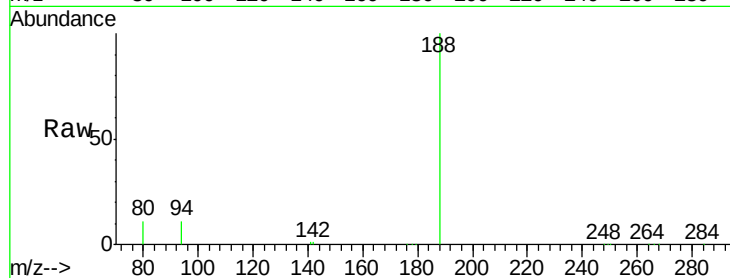
Tot Ion:188 Resp: 83056

Ion Ratio Lower Upper

188 100

94 11.4 7.4 11.0#

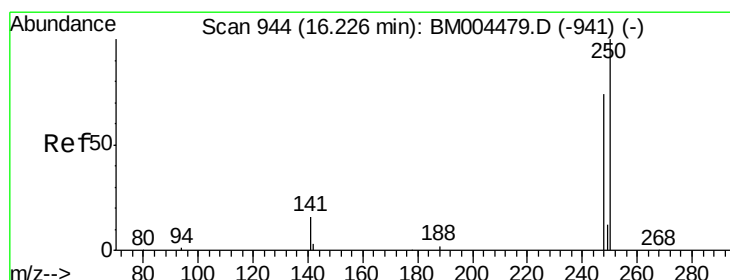
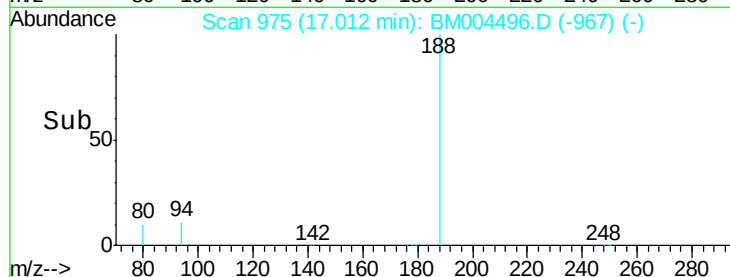
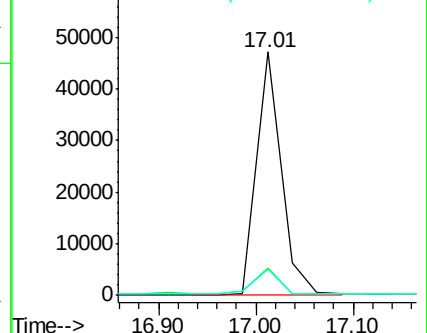
80 10.6 6.9 10.3#



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



#20

4-Bromophenyl-phenylether

Concen: Below Cal

RT: 16.17 min Scan# 942

Delta R.T. -0.06 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

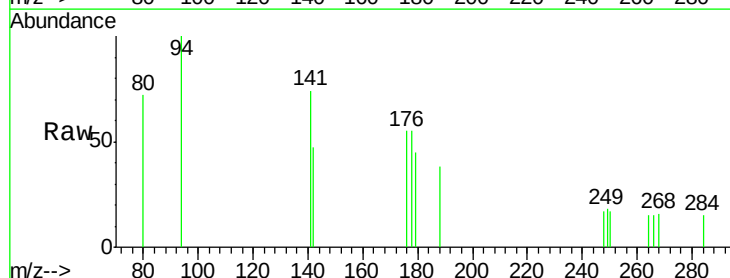
Tgt Ion:248 Resp: 28

Ion Ratio Lower Upper

248 100

250 0.0 81.5 122.3#

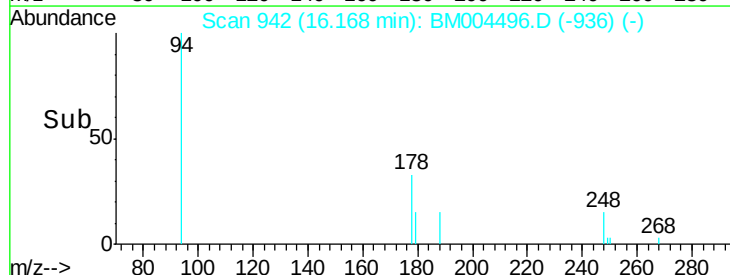
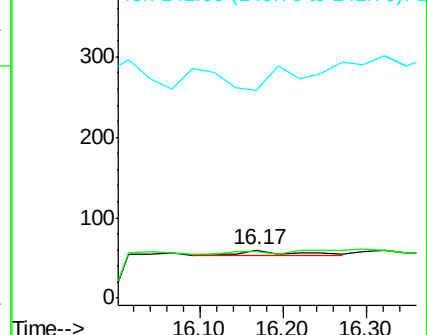
141 0.0 0.0 0.0

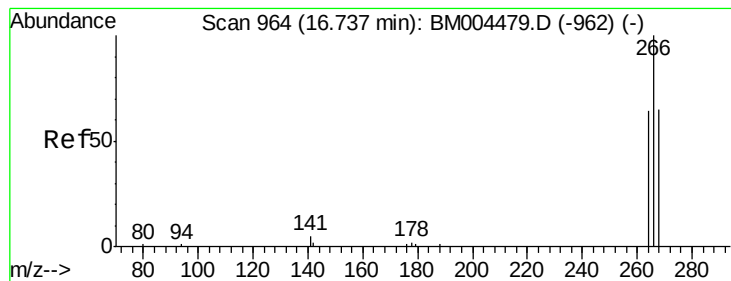


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#22

Pentachlorophenol

Concen: 3.71 ng

RT: 16.71 min Scan# 963

Delta R.T. -0.03 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

Instrument :

BNA_M

ClientSampleId :

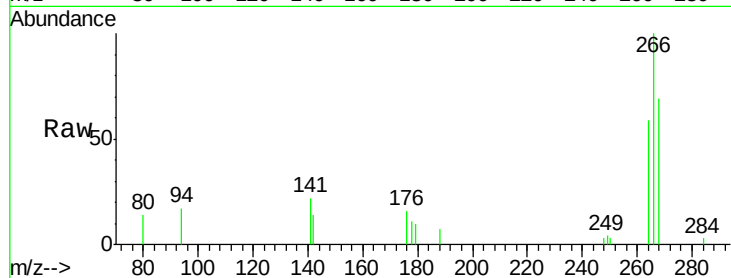
Tot Ion:266 Resp: 3699

Ion Ratio Lower Upper

266 100

268 68.6 60.7 91.1

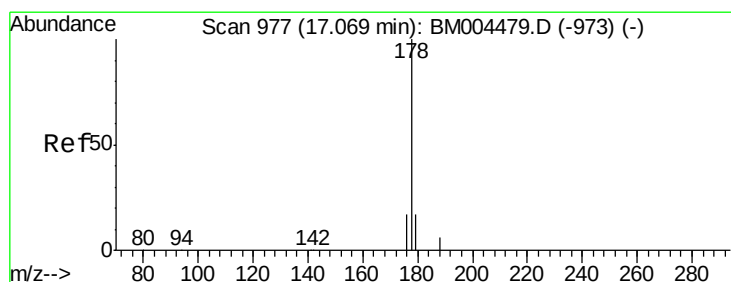
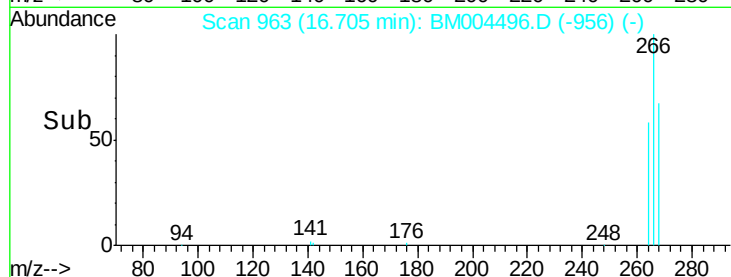
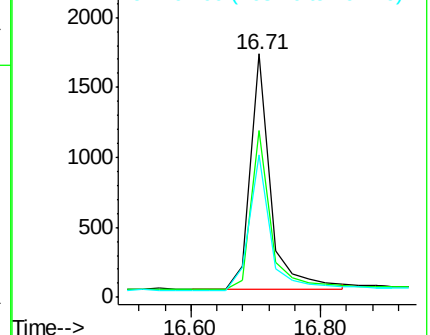
264 58.8 57.1 85.7



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



#23

Phenanthrene

Concen: 0.03 ng

RT: 17.06 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

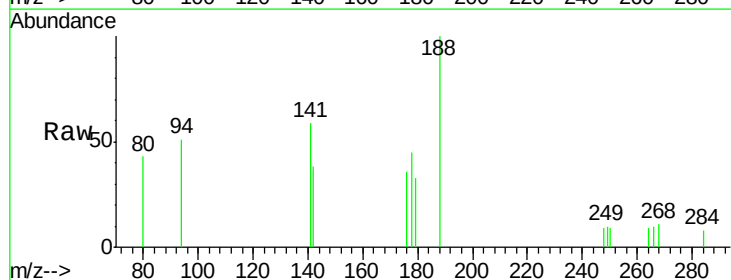
Tgt Ion:178 Resp: 380

Ion Ratio Lower Upper

178 100

176 0.0 14.7 22.1#

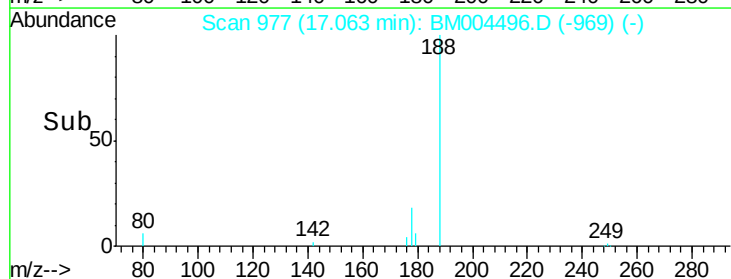
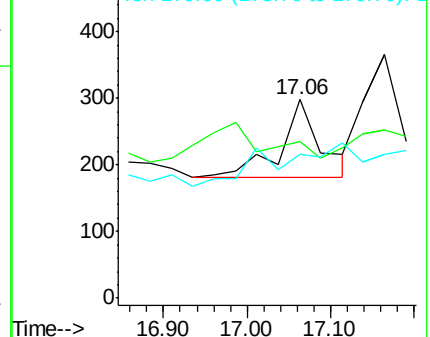
179 0.0 12.9 19.3#

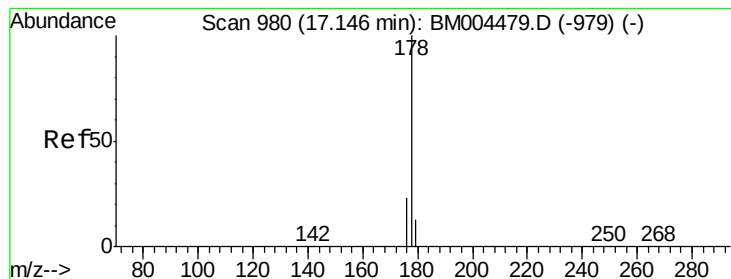


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#24

Anthracene

Concen: 0.02 ng

RT: 17.17 min Scan# 981

Delta R.T. 0.02 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

Instrument :

BNA_M

ClientSampled :

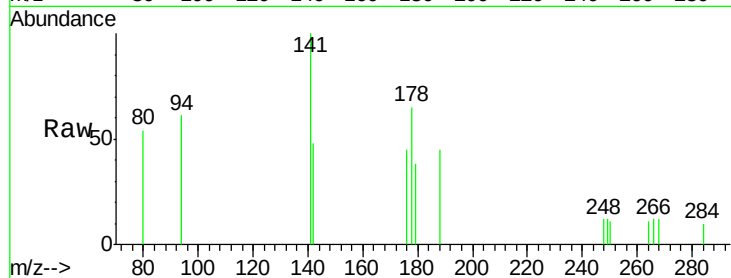
Tot Ion:178 Resp: 518

Ion Ratio Lower Upper

178 100

176 41.7 15.6 23.4#

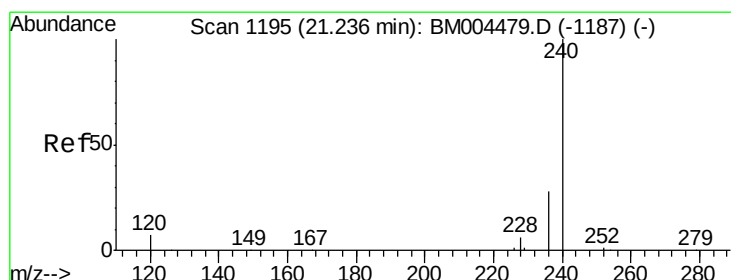
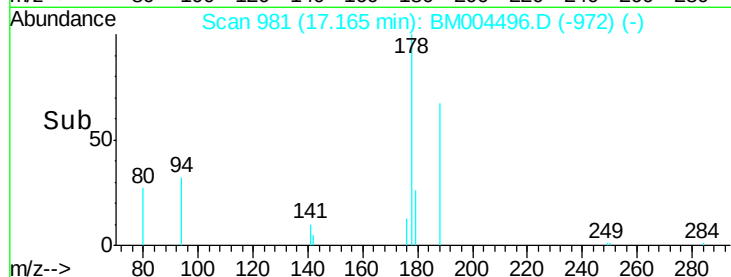
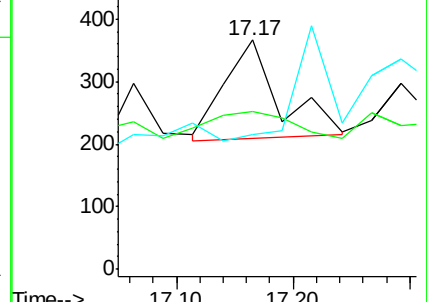
179 0.0 13.6 20.4#



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



#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.23 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

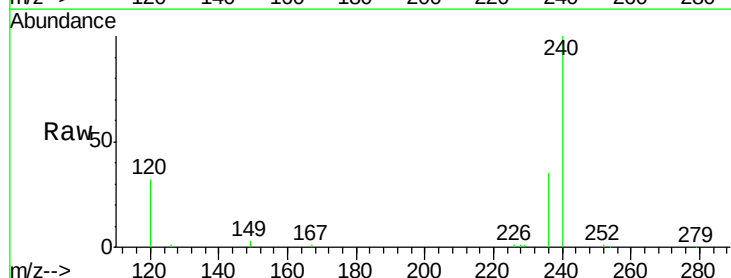
Tgt Ion:240 Resp: 67001

Ion Ratio Lower Upper

240 100

120 32.5 6.1 9.1#

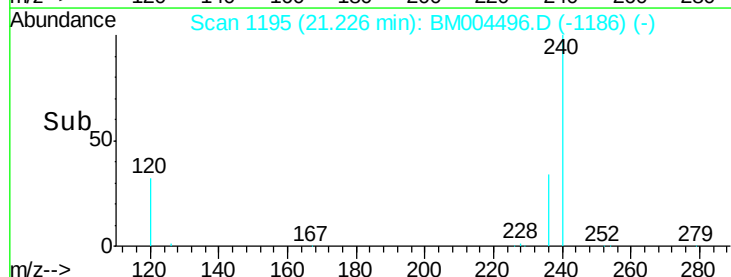
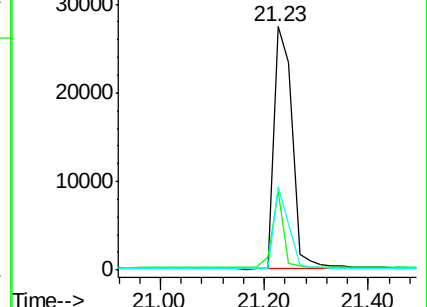
236 34.6 22.6 34.0#

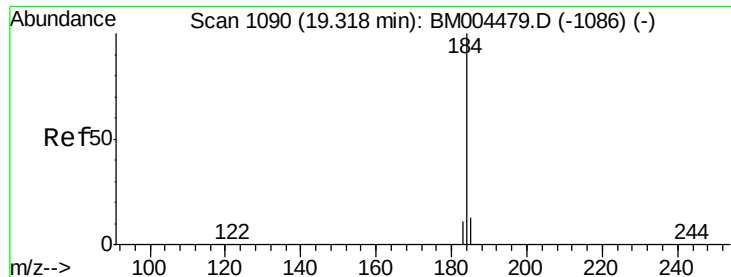


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#27

Benzidine

Concen: 0.33 ng

RT: 19.35 min Scan# 1092

Delta R.T. 0.03 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

Instrument :

BNA_M

ClientSampleId :

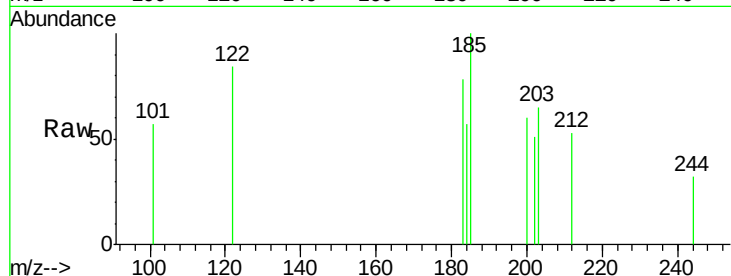
Tot Ion:184 Resp: 97

Ion Ratio Lower Upper

184 100

185 176.4 16.6 24.8#

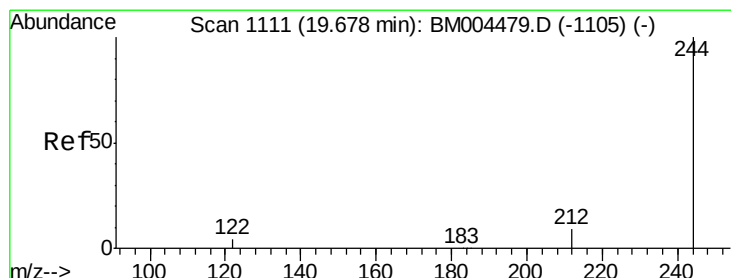
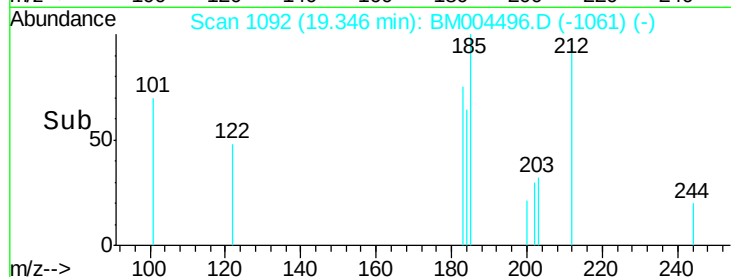
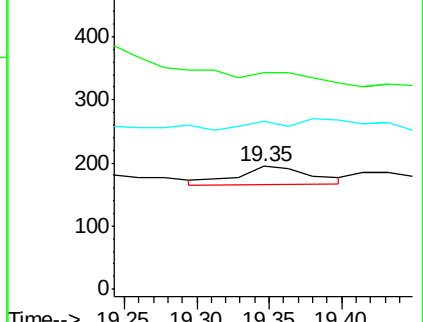
183 136.9 12.3 18.5#



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



#29

Terphenyl-d14

Concen: 1.11 ng

RT: 19.67 min Scan# 1111

Delta R.T. -0.01 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

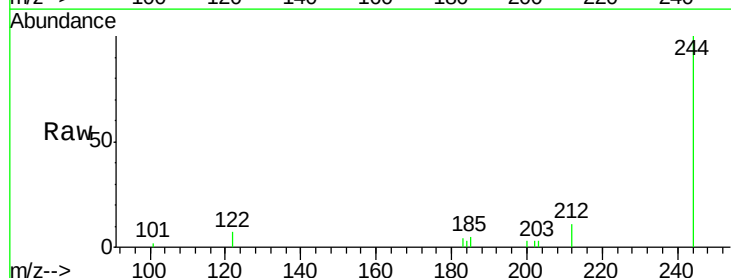
Tgt Ion:244 Resp: 9586

Ion Ratio Lower Upper

244 100

212 10.9 7.5 11.3

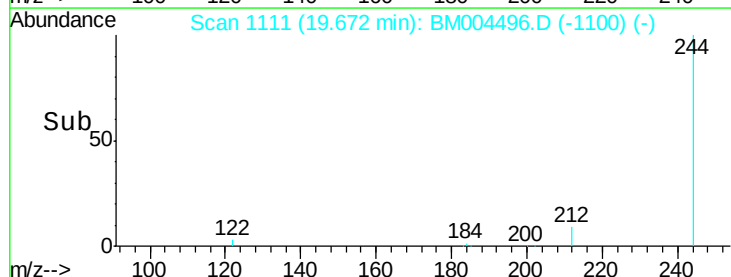
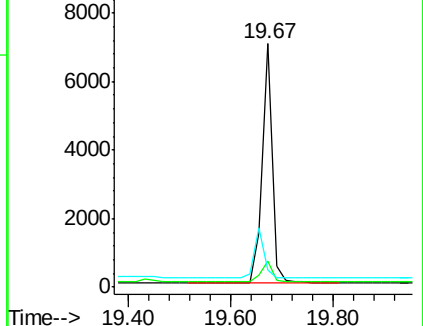
122 6.9 4.2 6.2#

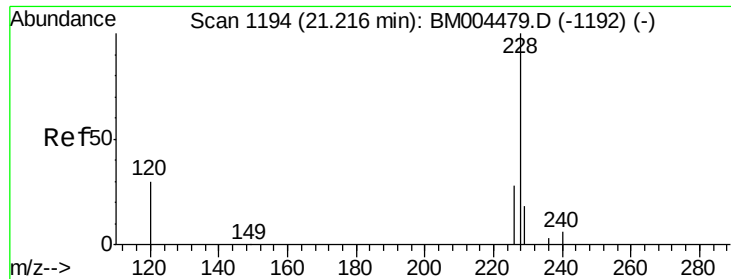


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

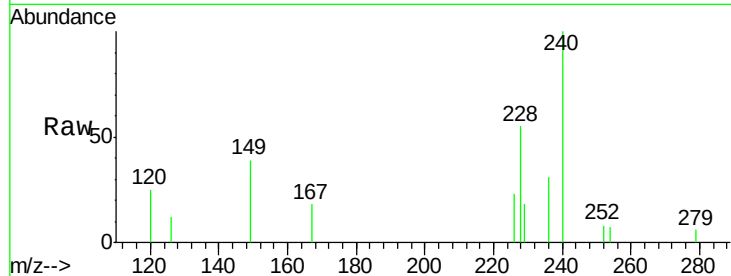




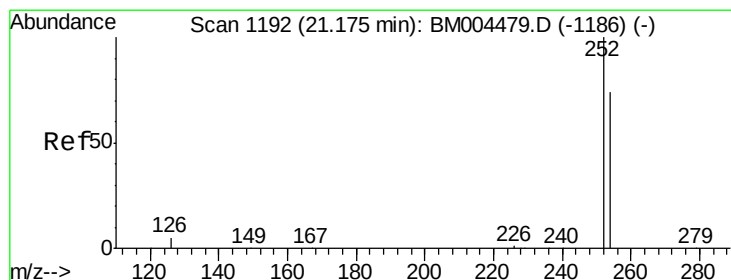
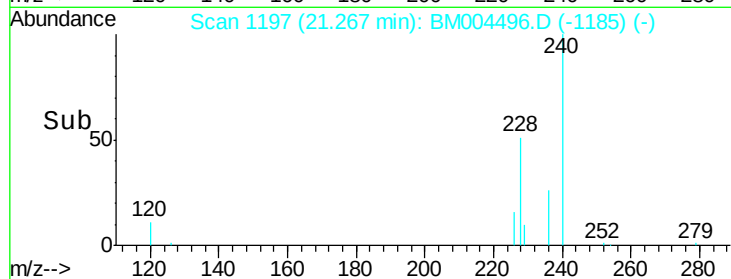
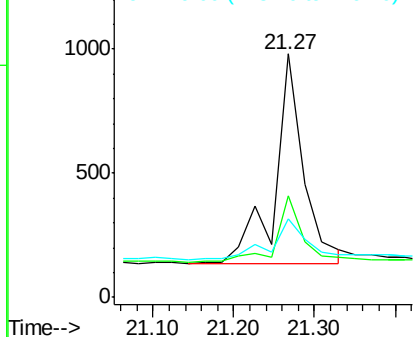
#30
Benzo(a)anthracene
Concen: 0.08 ng
RT: 21.27 min Scan# 1197
Delta R.T. 0.05 min
Lab File: BM004496.D
Acq: 01 Mar 2016 08:05

Instrument :
BNA_M
ClientSampleId :

Tot Ion:228 Resp: 2072
Ion Ratio Lower Upper
228 100
226 41.7 22.8 34.2#
229 32.2 14.6 22.0#

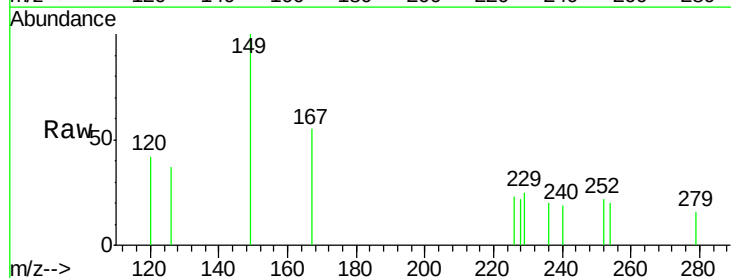


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

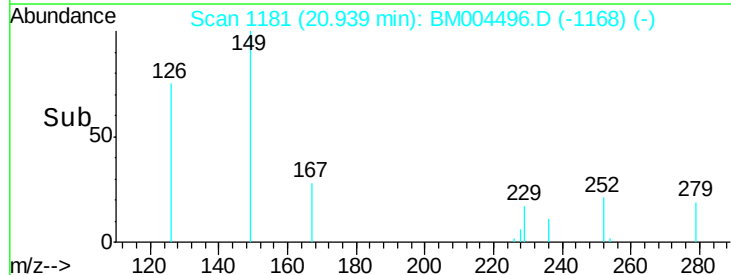
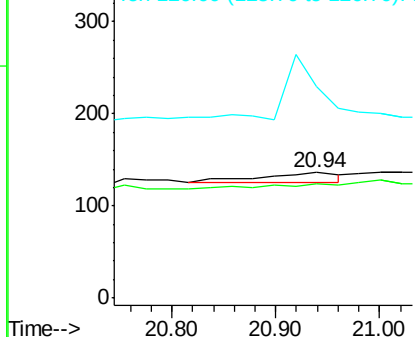


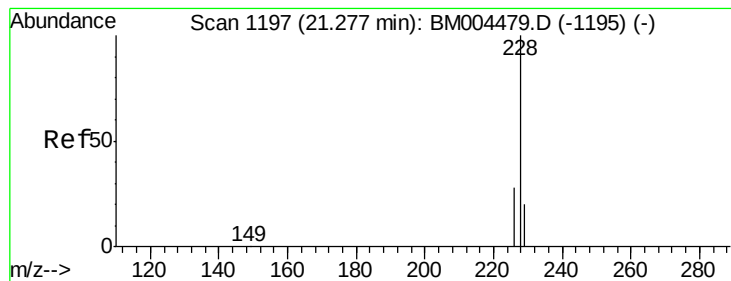
#31
3,3'-Dichlorobenzidine
Concen: 0.14 ng
RT: 20.94 min Scan# 1181
Delta R.T. -0.23 min
Lab File: BM004496.D
Acq: 01 Mar 2016 08:05

Tgt Ion:252 Resp: 52
Ion Ratio Lower Upper
252 100
254 91.2 59.4 89.0#
126 169.1 5.5 8.3#



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





#32

Chrysene

Concen: Below Cal

RT: 21.27 min Scan# 1197

Delta R.T. -0.01 min

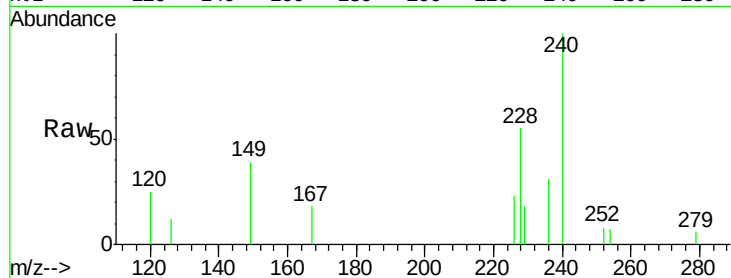
Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

Instrument :

BNA_M

ClientSampleId :



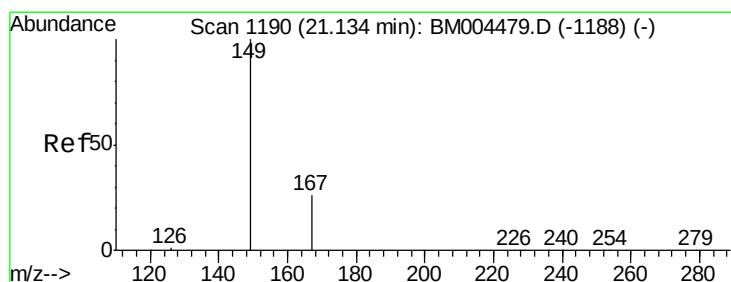
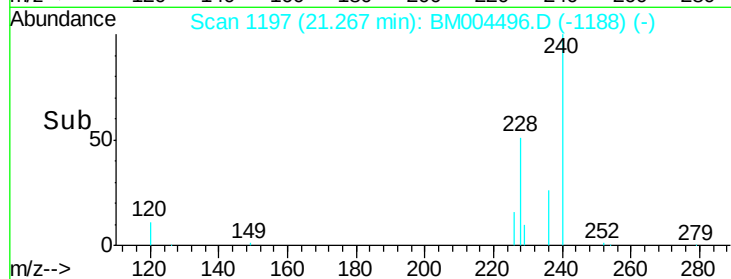
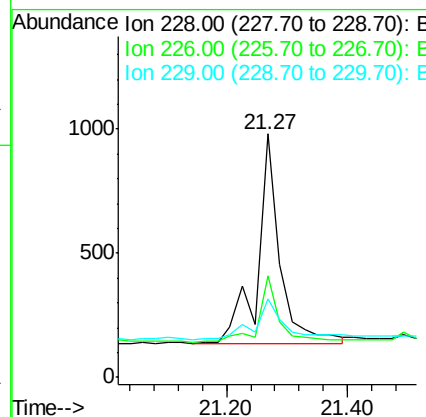
Tot Ion:228 Resp: 2194

Ion Ratio Lower Upper

228 100

226 41.7 21.4 32.2#

229 32.2 17.1 25.7#



#33

Bis(2-ethylhexyl)phthalate

Concen: 0.03 ng

RT: 21.12 min Scan# 1190

Delta R.T. -0.01 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

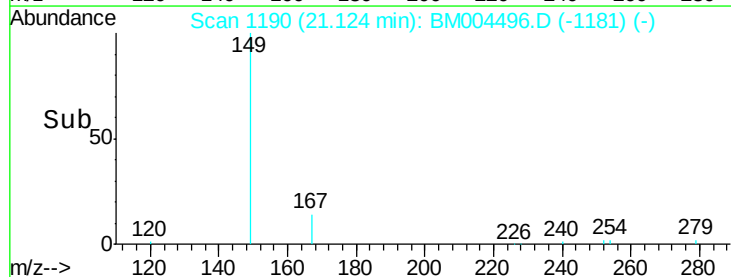
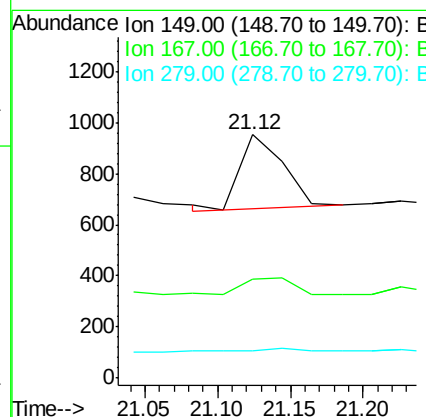
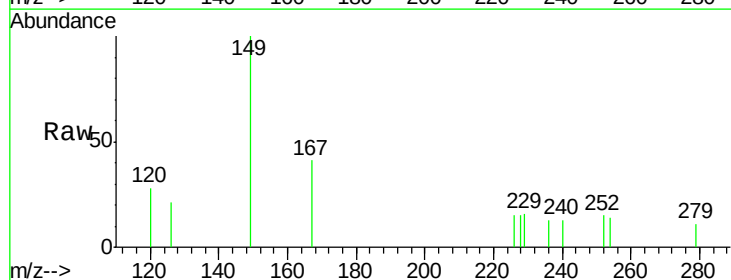
Tgt Ion:149 Resp: 596

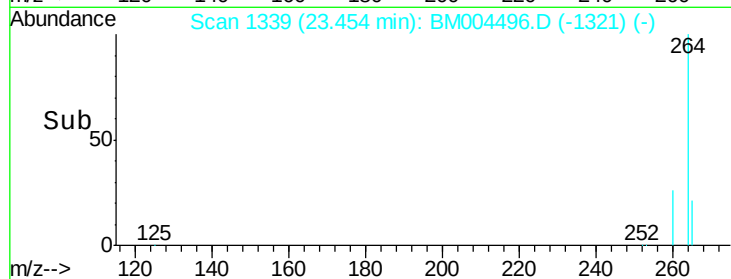
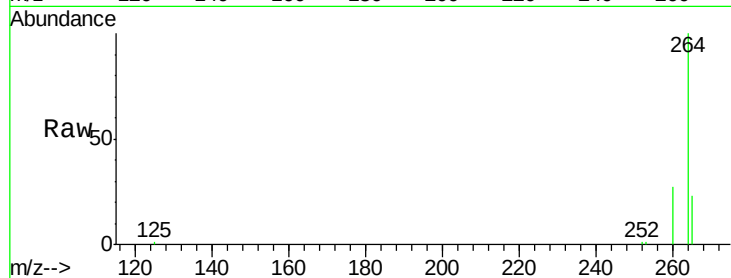
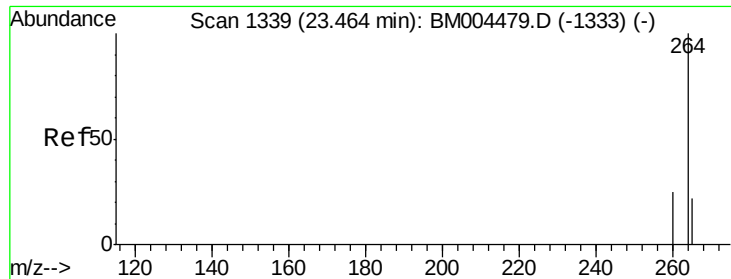
Ion Ratio Lower Upper

149 100

167 0.0 21.2 31.8#

279 0.0 0.0 0.0





#35

Pervlene-d12

Concen: 5.00 ng

RT: 23.45 min Scan# 1339

Delta R.T. -0.01 min

Lab File: BM004496.D

Acq: 01 Mar 2016 08:05

Instrument :

BNA_M

ClientSampleId :

Tot Ion:264 Resp: 66002

Ion Ratio Lower Upper

264 100

260 26.6 19.8 29.6

265 22.7 18.9 28.3

