

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM112715\
 Data File : BM003318.D
 Acq On : 27 Nov 2015 23:22
 Operator : UM/IZ
 Sample : G4510-12
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 EB-111815

Quant Time: Nov 28 01:15:21 2015
 Quant Method : Z:\HPCHEM1\BNA_M\METHODS\8270-SIM-BM112715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 27 16:36:40 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.74	152	55455	5.00	ng	0.00
7) Naphthalene-d8	10.53	136	217057	5.00	ng	0.00
13) Acenaphthene-d10	14.37	164	103935	5.00	ng	0.00
19) Phenanthrene-d10	17.11	188	225956	5.00	ng	0.00
26) Chrysene-d12	21.31	240	169208	5.00	ng	-0.01
35) Perylene-d12	23.58	264	163751	5.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
4) 2-Fluorophenol	5.31	112	50596	4.63	ng	0.00
5) Phenol-d6	6.90	99	43093	3.43	ng	0.00
8) Nitrobenzene-d5	8.89	82	38340	3.97	ng	0.00
14) 2,4,6-Tribromophenol	15.88	330	17888	7.43	ng	0.02
15) 2-Fluorobiphenyl	13.00	172	127125	3.79	ng	0.00
29) Terphenyl-d14	19.76	244	117556	4.99	ng	0.00

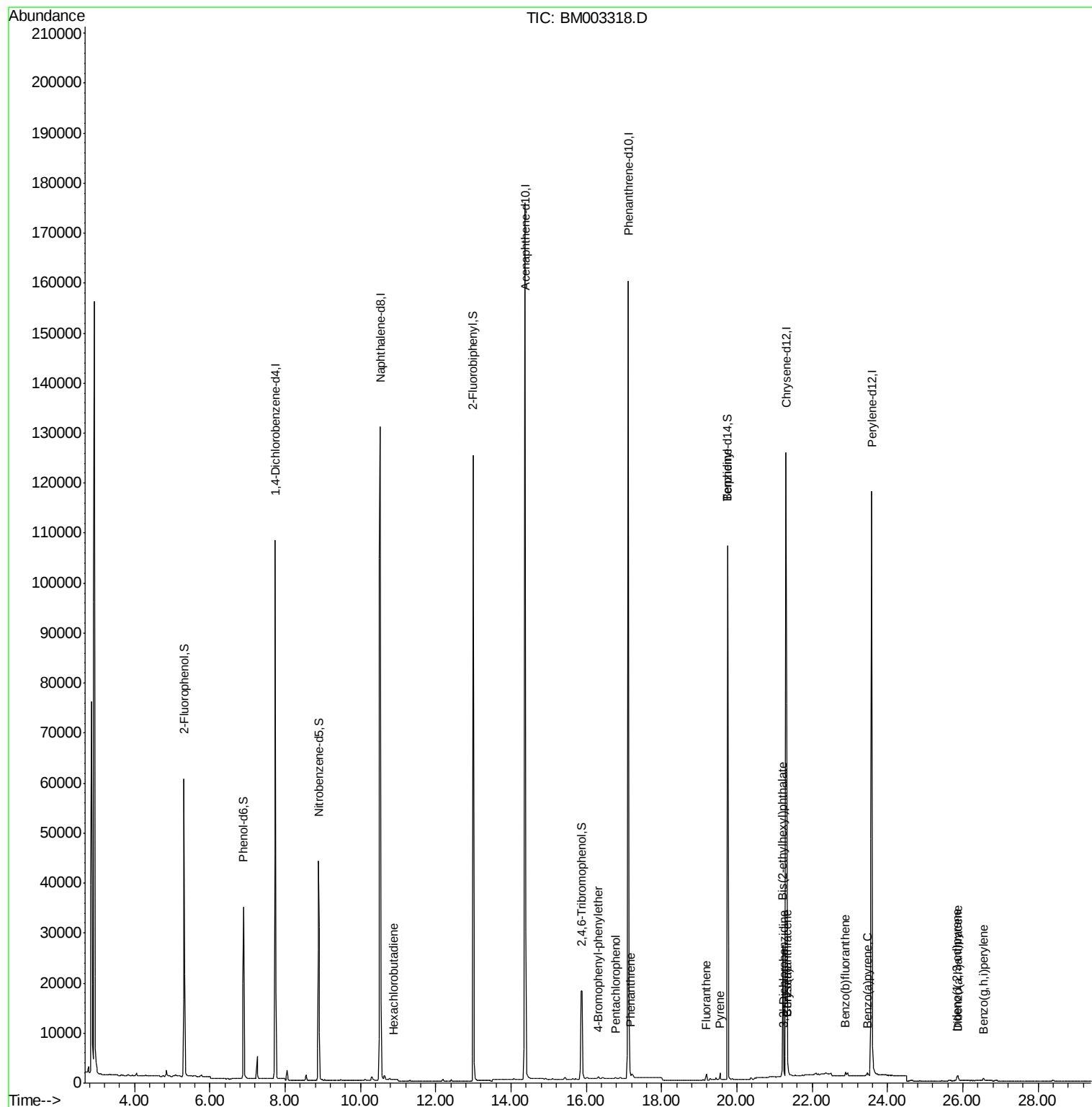
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Hexachlorobutadiene	10.87	225	536	0.08	ng	# 21
20) 4-Bromophenyl-phenylether	16.32	248	86	0.22	ng	# 29
22) Pentachlorophenol	16.78	266	121	0.14	ng	# 80
23) Phenanthrene	17.16	178	991	0.12	ng	# 83
25) Fluoranthene	19.19	202	1213	0.02	ng	97
27) Benzidine	19.76	184	2622	0.49	ng	# 79
28) Pyrene	19.55	202	1285	0.02	ng	97
30) Benzo(a)anthracene	21.35	228	2874	0.07	ng	# 86
31) 3,3'-Dichlorobenzidine	21.25	252	299	0.20	ng	# 84
32) Chrysene	21.35	228	2938	0.07	ng	# 92
33) Bis(2-ethylhexyl)phthalate	21.23	149	27729	1.93	ng	# 96
34) Indeno(1,2,3-cd)pyrene	25.85	276	1369	0.03	ng	# 79
36) Benzo(b)fluoranthene	22.89	252	984	0.02	ng	# 26
38) Benzo(a)pyrene	23.48	252	773	0.02	ng	# 2
39) Dibenzo(a,h)anthracene	25.88	278	1360	0.04	ng	# 55
40) Benzo(g,h,i)perylene	26.55	276	1008	0.03	ng	# 61

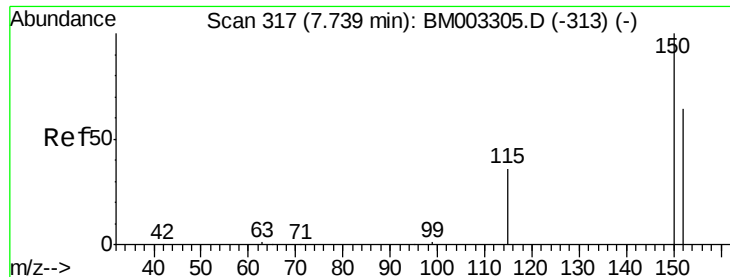
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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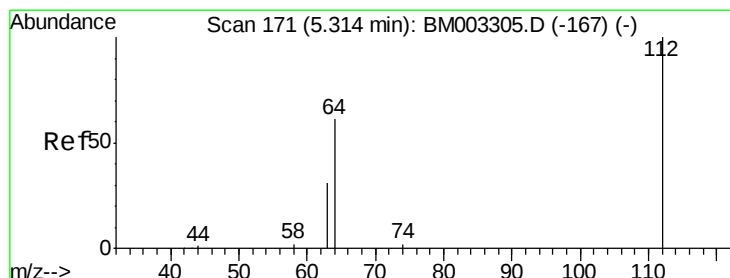
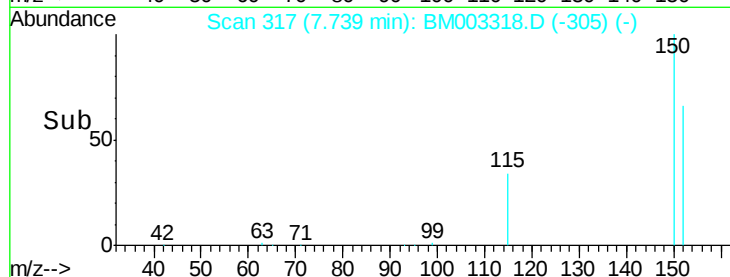
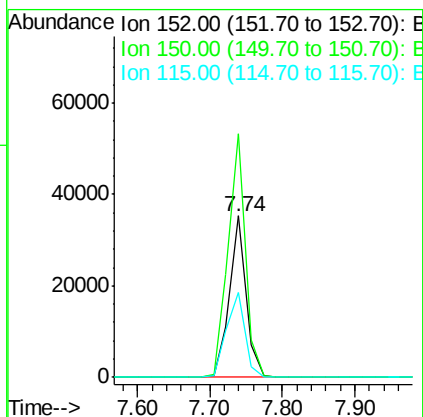
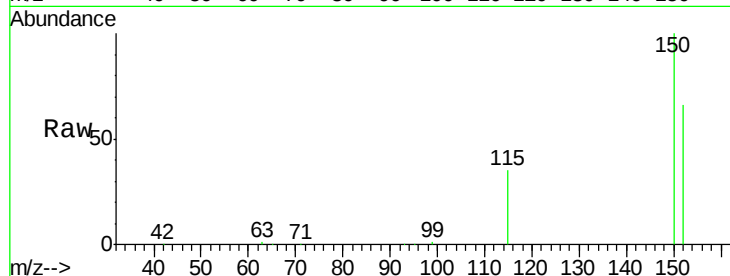




#1
 1,4-Dichlorobenzene-d4
 Concen: 5.00 ng
 RT: 7.74 min Scan# 317
 Delta R.T. -0.00 min
 Lab File: BM003318.D
 Acq: 27 Nov 2015 23:22

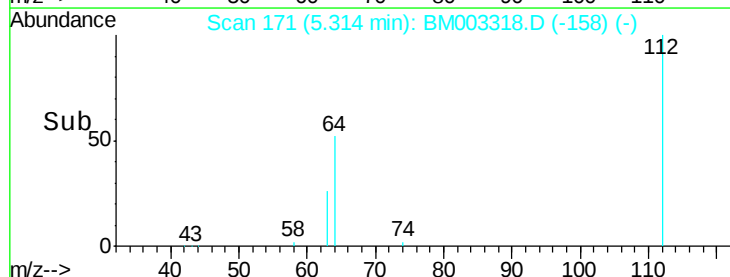
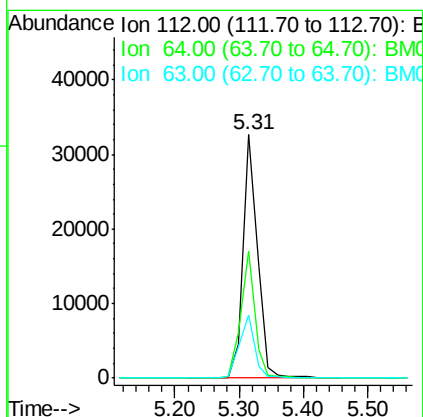
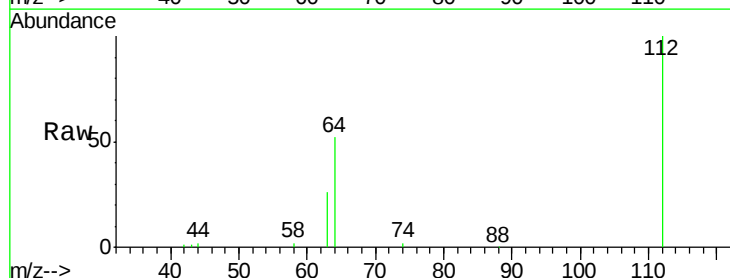
Instrument :
 BNA_M
 ClientSampleId :
 EB-111815

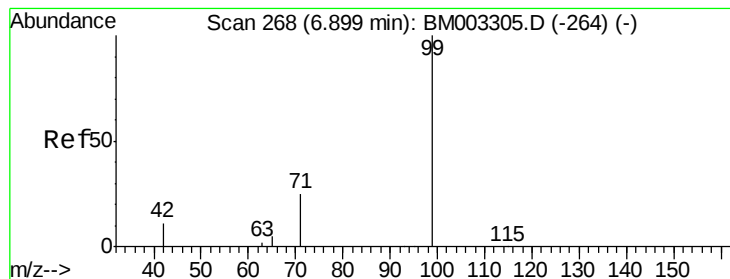
Tgt Ion:152 Resp: 55455
 Ion Ratio Lower Upper
 152 100
 150 150.8 143.6 215.4
 115 52.3 58.5 87.7#



#4
 2-Fluorophenol
 Concen: 4.63 ng
 RT: 5.31 min Scan# 171
 Delta R.T. -0.00 min
 Lab File: BM003318.D
 Acq: 27 Nov 2015 23:22

Tgt Ion:112 Resp: 50596
 Ion Ratio Lower Upper
 112 100
 64 50.8 41.2 61.8
 63 26.5 21.2 31.8





#5

Phenol-d6

Concen: 3.43 ng

RT: 6.90 min Scan# 268

Delta R.T. -0.00 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Instrument :

BNA_M

ClientSampleId :

EB-111815

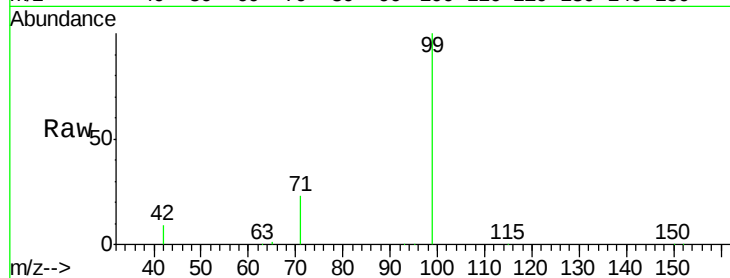
Tgt Ion: 99 Resp: 43093

Ion Ratio Lower Upper

99 100

42 17.4 14.6 22.0

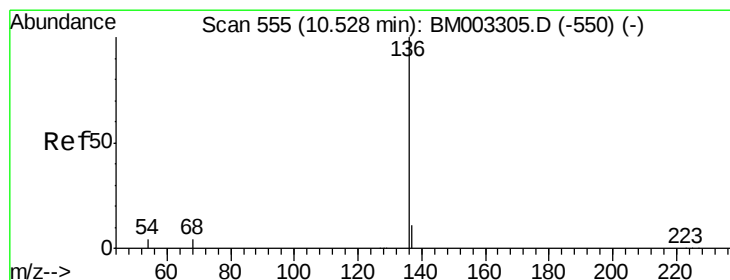
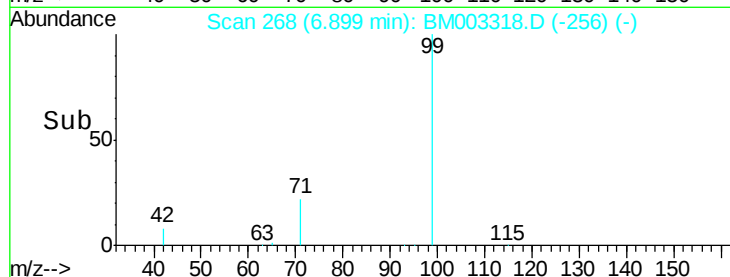
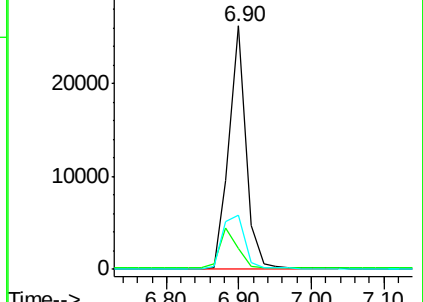
71 28.9 23.3 34.9



Abundance Ion 99.00 (98.70 to 99.70): BM003318.D (-256) (-)

Ion 42.00 (41.70 to 42.70): BM003318.D (-256) (-)

Ion 71.00 (70.70 to 71.70): BM003318.D (-256) (-)



#7

Naphthalene-d8

Concen: 5.00 ng

RT: 10.53 min Scan# 555

Delta R.T. -0.00 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Tgt Ion: 136 Resp: 217057

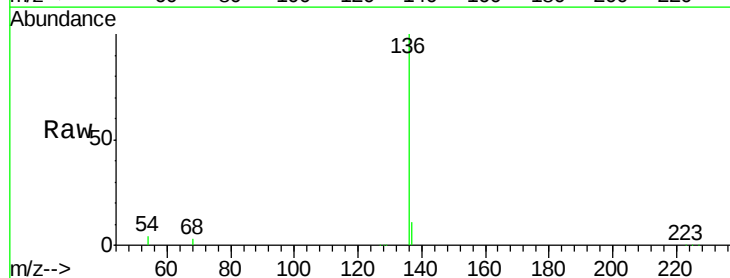
Ion Ratio Lower Upper

136 100

137 11.5 8.0 12.0

54 3.5 7.4 11.0#

68 3.2 5.8 8.6#

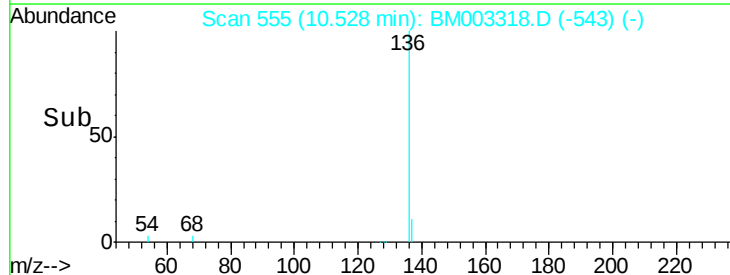
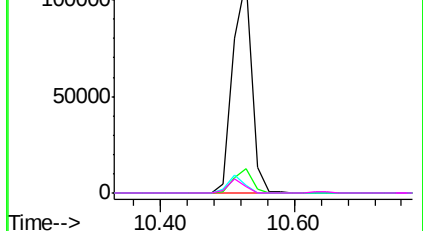


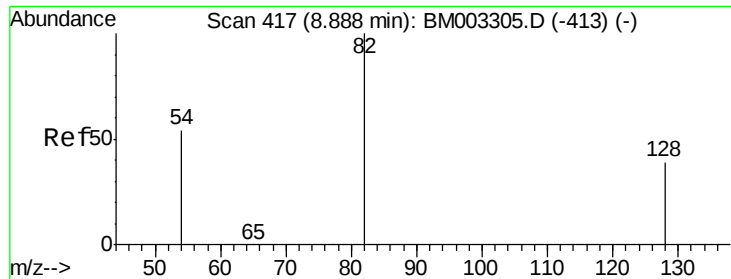
Abundance Ion 136.00 (135.70 to 136.70): BM003318.D (-543) (-)

Ion 137.00 (136.70 to 137.70): BM003318.D (-543) (-)

Ion 54.00 (53.70 to 54.70): BM003318.D (-543) (-)

Ion 68.00 (67.70 to 68.70): BM003318.D (-543) (-)





#8

Nitrobenzene-d5

Concen: 3.97 ng

RT: 8.89 min Scan# 417

Delta R.T. -0.00 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Instrument :

BNA_M

ClientSampleId :

EB-111815

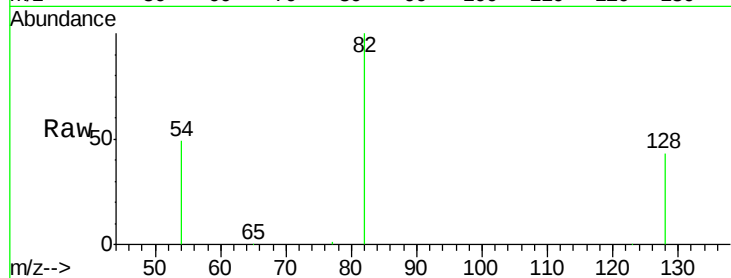
Tgt Ion: 82 Resp: 38340

Ion Ratio Lower Upper

82 100

128 42.7 35.2 52.8

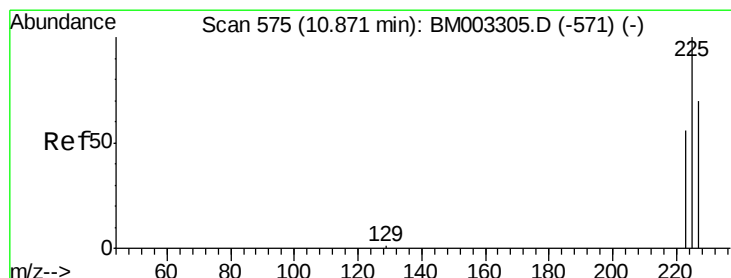
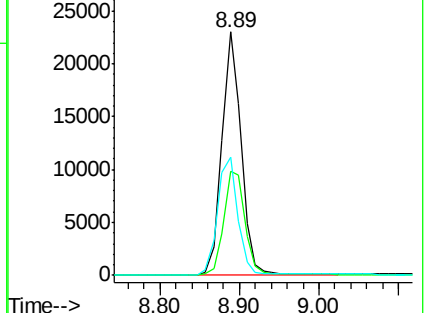
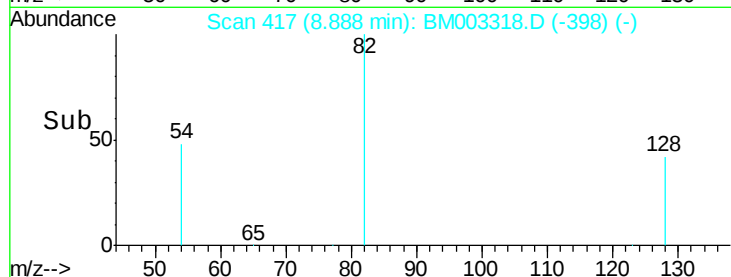
54 48.6 36.4 54.6



Abundance Ion 82.00 (81.70 to 82.70): BM003318.D (-398) (-)

Ion 128.00 (127.70 to 128.70): BM003318.D (-398) (-)

Ion 54.00 (53.70 to 54.70): BM003318.D (-398) (-)



#11

Hexachlorobutadiene

Concen: 0.08 ng

RT: 10.87 min Scan# 575

Delta R.T. -0.00 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

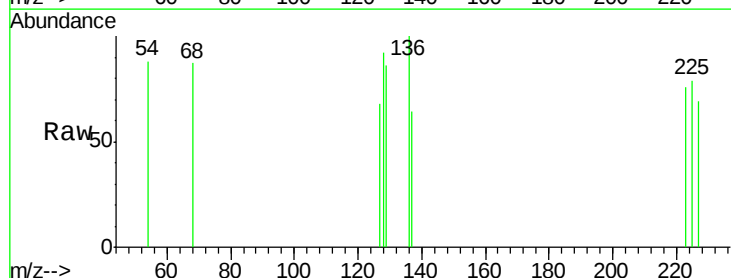
Tgt Ion: 225 Resp: 536

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.4#

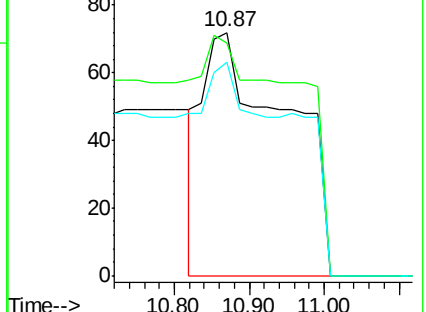
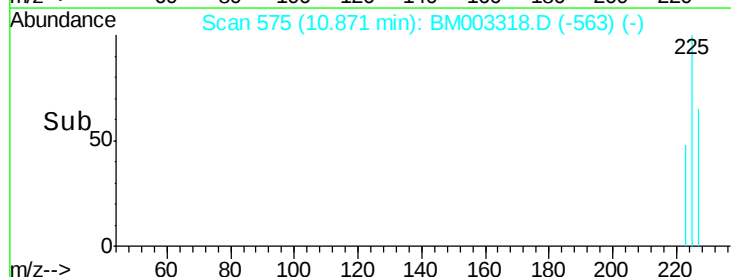
227 6.2 52.2 78.4#

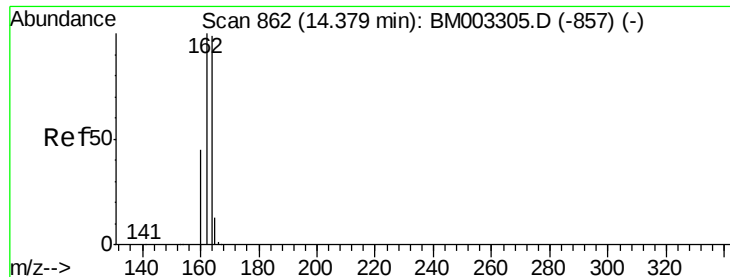


Abundance Ion 225.00 (224.70 to 225.70): BM003318.D (-563) (-)

Ion 223.00 (222.70 to 223.70): BM003318.D (-563) (-)

Ion 227.00 (226.70 to 227.70): BM003318.D (-563) (-)





#13

Acenaphthene-d10

Concen: 5.00 ng

RT: 14.37 min Scan# 862

Delta R.T. -0.01 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Instrument :

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ClientSampleId :

EB-111815

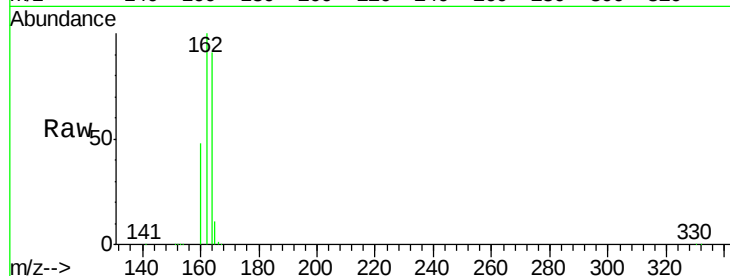
Tgt Ion:164 Resp: 103935

Ion Ratio Lower Upper

164 100

162 110.0 78.3 117.5

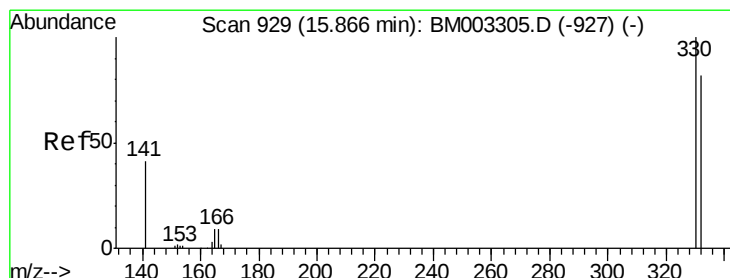
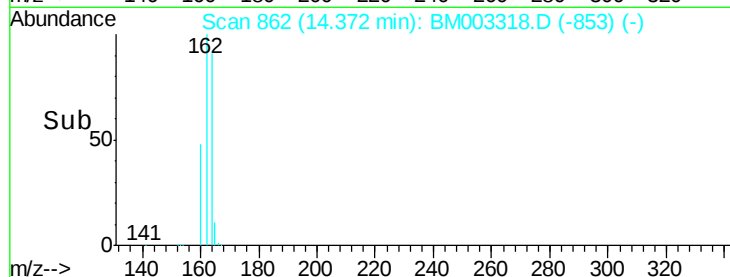
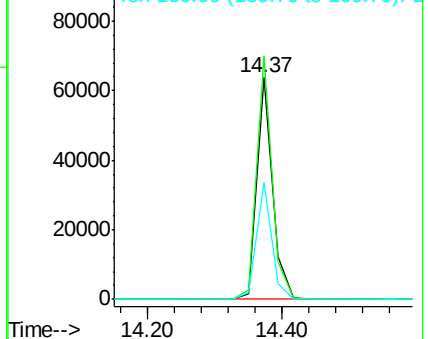
160 52.7 33.8 50.6#



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



#14

2,4,6-Tribromophenol

Concen: 7.43 ng

RT: 15.88 min Scan# 930

Delta R.T. 0.02 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

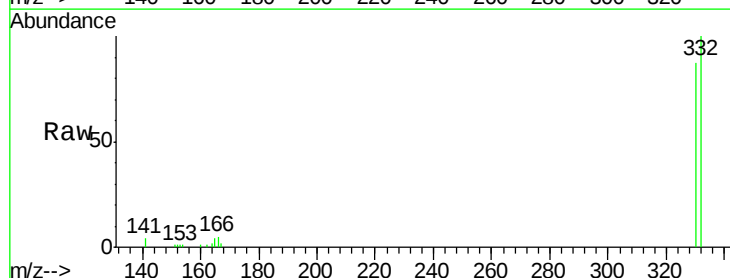
Tgt Ion:330 Resp: 17888

Ion Ratio Lower Upper

330 100

332 98.8 76.0 114.0

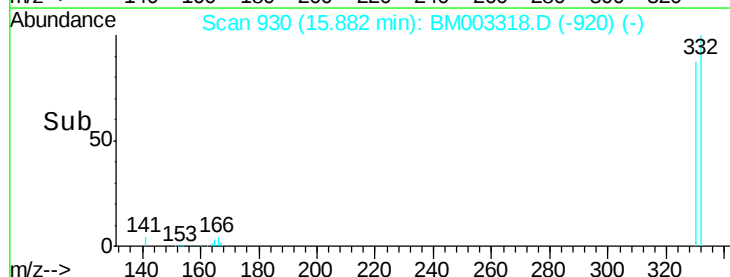
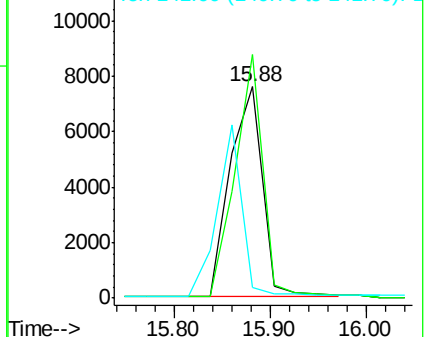
141 0.0 0.0 0.0

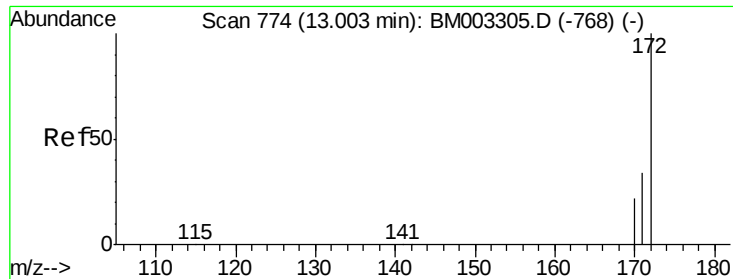


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

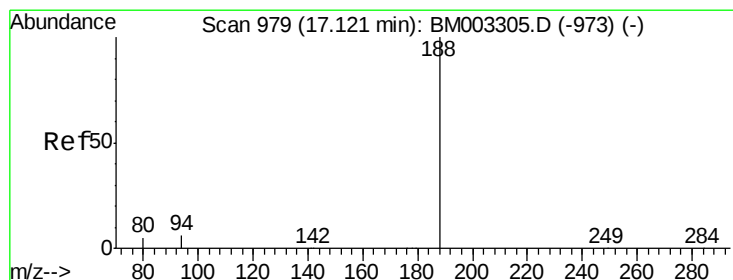
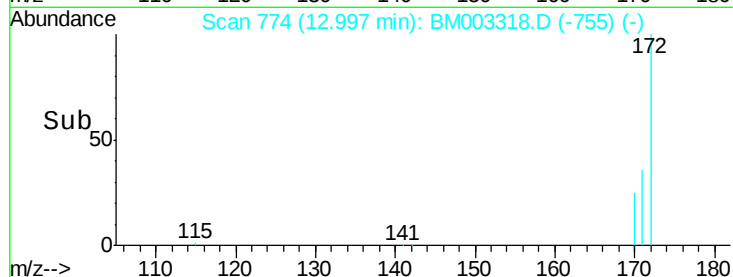
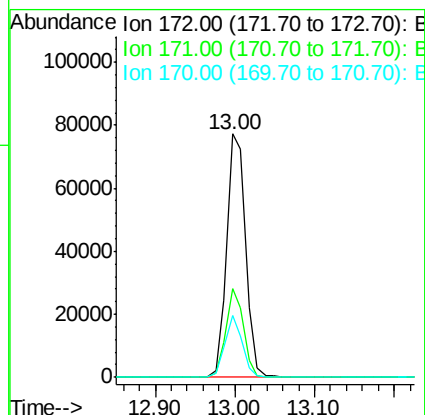
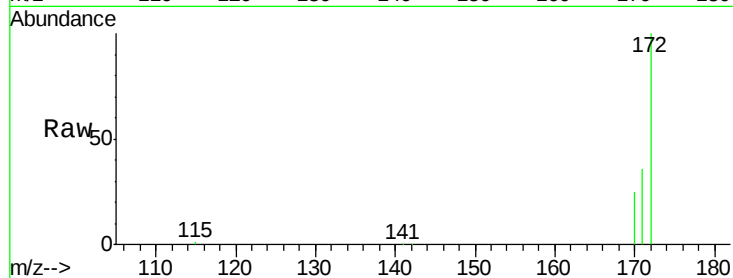




#15
2-Fluorobiphenyl
Concen: 3.79 ng
RT: 13.00 min Scan# 774
Delta R.T. -0.01 min
Lab File: BM003318.D
Acq: 27 Nov 2015 23:22

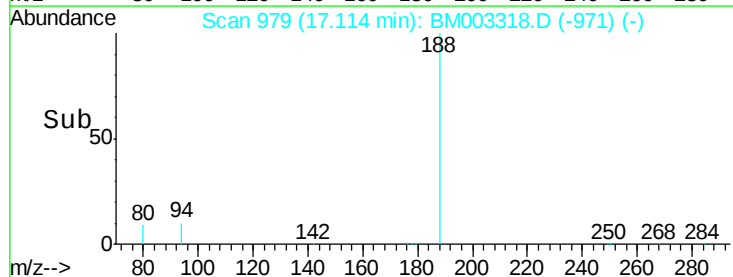
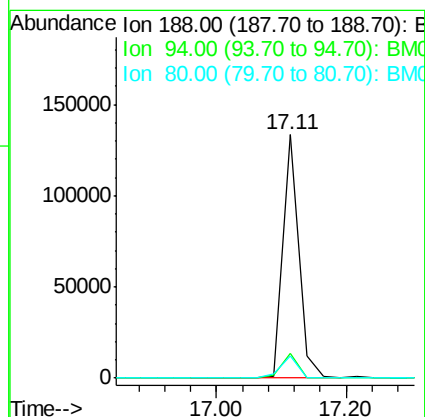
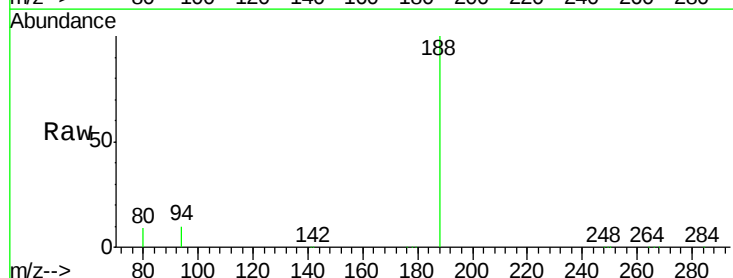
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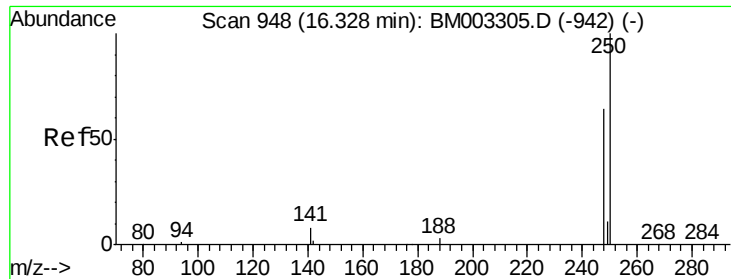
Tgt Ion:172 Resp: 127125
Ion Ratio Lower Upper
172 100
171 36.2 28.0 42.0
170 25.4 18.9 28.3



#19
Phenanthrene-d10
Concen: 5.00 ng
RT: 17.11 min Scan# 979
Delta R.T. -0.01 min
Lab File: BM003318.D
Acq: 27 Nov 2015 23:22

Tgt Ion:188 Resp: 225956
Ion Ratio Lower Upper
188 100
94 10.0 1.8 2.6#
80 9.3 1.4 2.0#

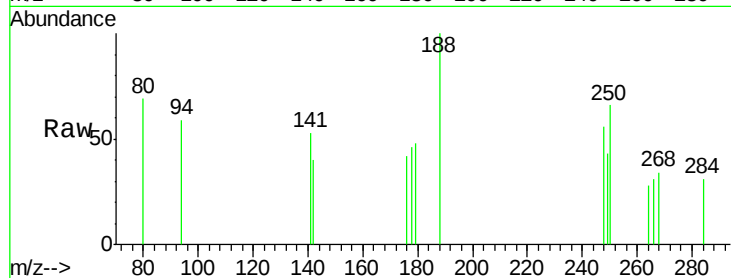




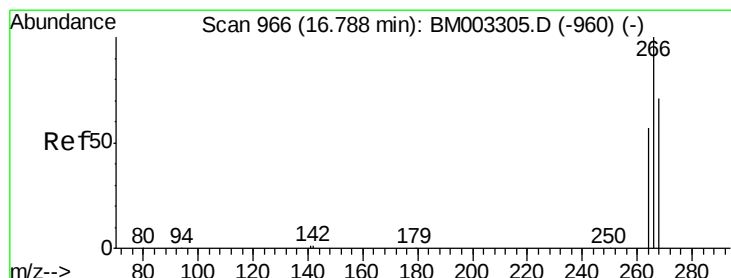
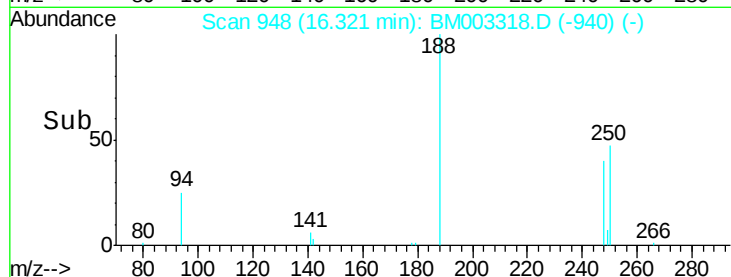
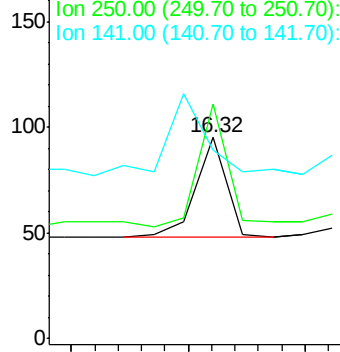
#20
4-Bromophenyl-phenylether
Concen: 0.22 ng
RT: 16.32 min Scan# 948
Delta R.T. -0.01 min
Lab File: BM003318.D
Acq: 27 Nov 2015 23:22

Instrument :
BNA_M
ClientSampleId :
EB-111815

Tgt Ion:248 Resp: 86
Ion Ratio Lower Upper
248 100
250 119.8 65.4 98.0#
141 0.0 72.8 109.2#

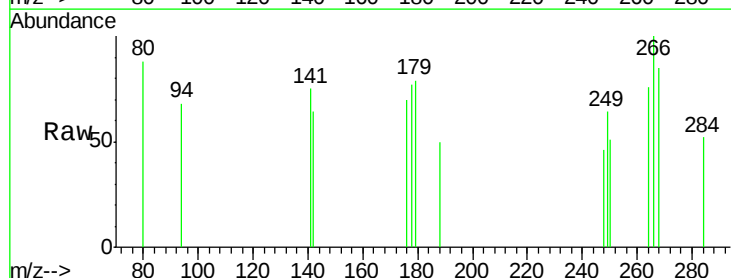


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

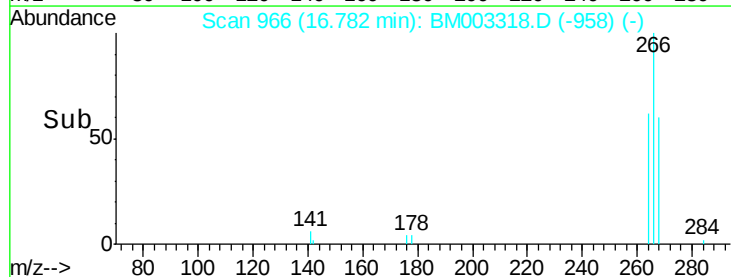
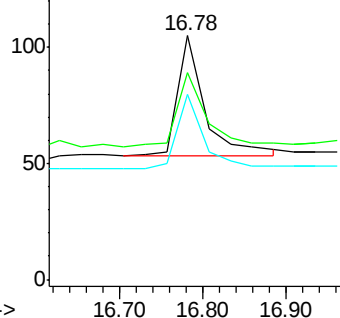


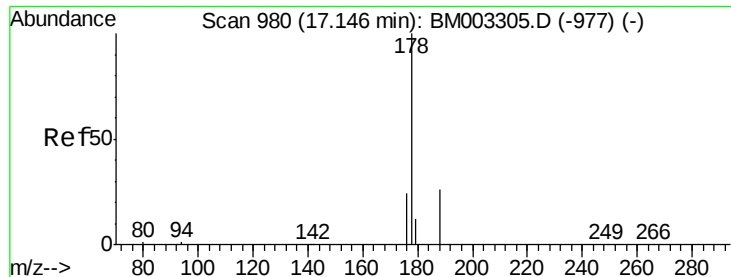
#22
Pentachlorophenol
Concen: 0.14 ng
RT: 16.78 min Scan# 966
Delta R.T. -0.01 min
Lab File: BM003318.D
Acq: 27 Nov 2015 23:22

Tgt Ion:266 Resp: 121
Ion Ratio Lower Upper
266 100
268 84.8 45.8 68.8#
264 76.2 56.7 85.1



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

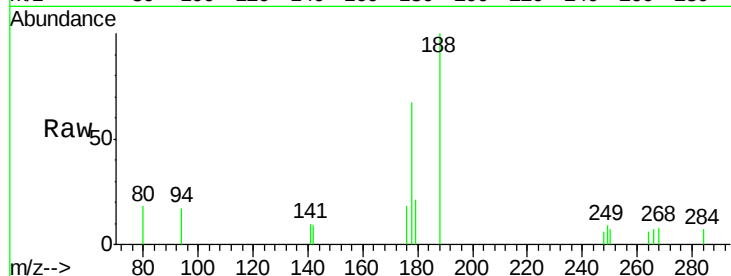




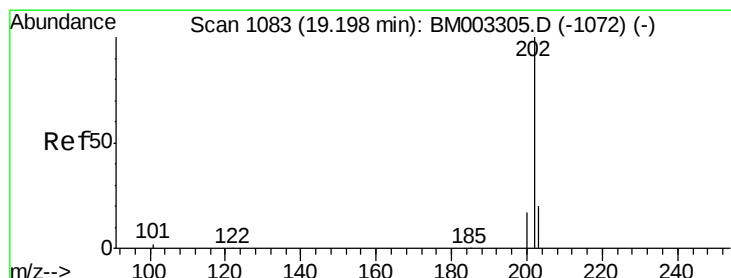
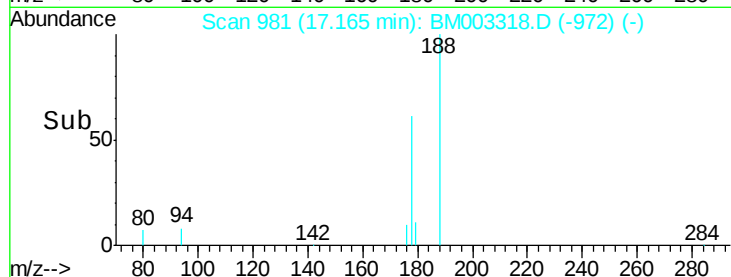
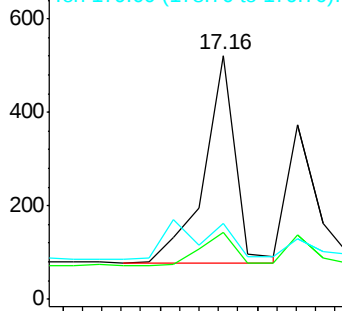
#23
Phenanthrene
Concen: 0.12 ng
RT: 17.16 min Scan# 981
Delta R.T. 0.02 min
Lab File: BM003318.D
Acq: 27 Nov 2015 23:22

Instrument :
BNA_M
ClientSampleId :
EB-111815

Tgt Ion:178 Resp: 991
Ion Ratio Lower Upper
178 100
176 18.1 15.9 23.9
179 0.0 11.7 17.5#

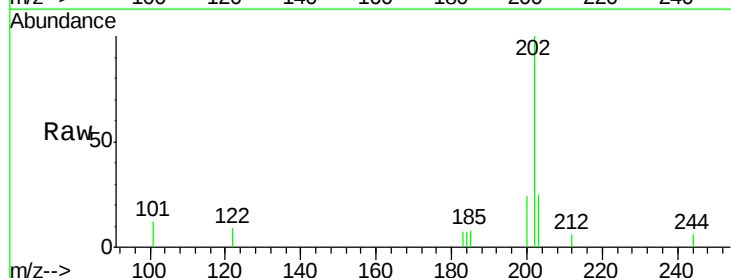


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

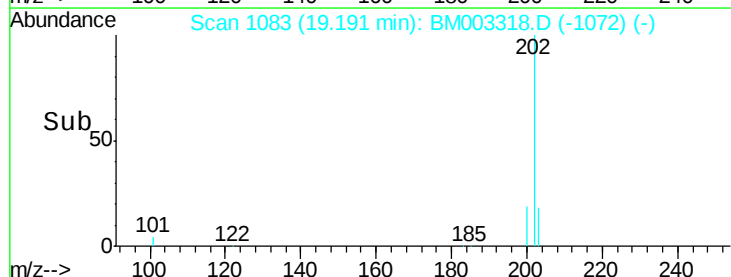
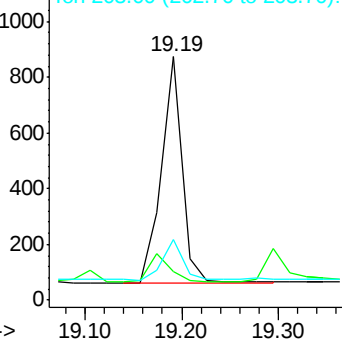


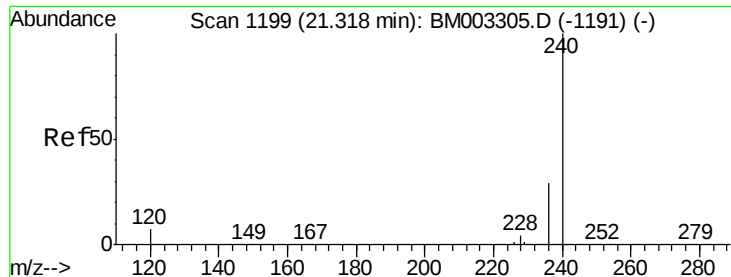
#25
Fluoranthene
Concen: 0.02 ng
RT: 19.19 min Scan# 1083
Delta R.T. -0.01 min
Lab File: BM003318.D
Acq: 27 Nov 2015 23:22

Tgt Ion:202 Resp: 1213
Ion Ratio Lower Upper
202 100
101 12.3 9.9 14.9
203 19.4 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





#26

Chrysene-d12

Concen: 5.00 ng

RT: 21.31 min Scan# 1199

Delta R.T. -0.01 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Instrument :

BNA_M

ClientSampleId :

EB-111815

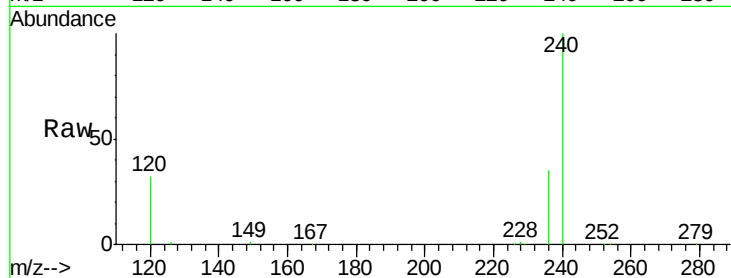
Tgt Ion:240 Resp: 169208

Ion Ratio Lower Upper

240 100

120 32.2 1.0 1.4#

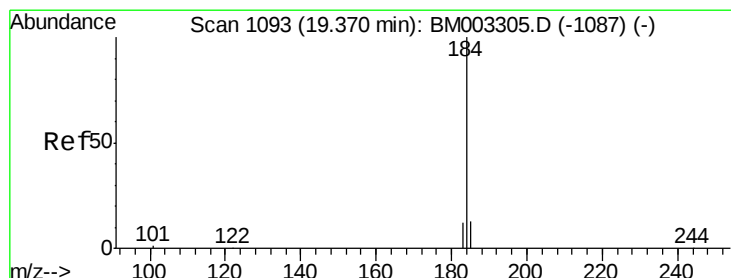
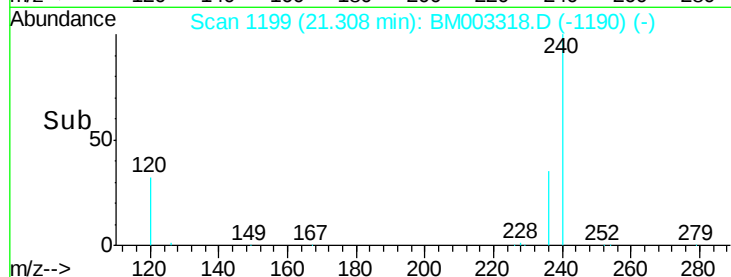
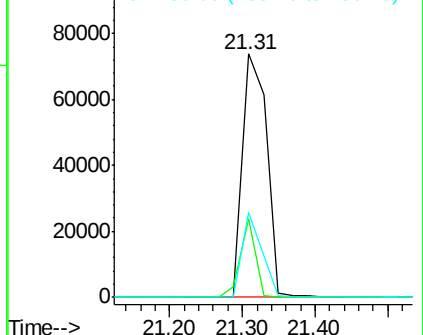
236 35.0 17.9 26.9#



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: 0.49 ng

RT: 19.76 min Scan# 1116

Delta R.T. 0.39 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

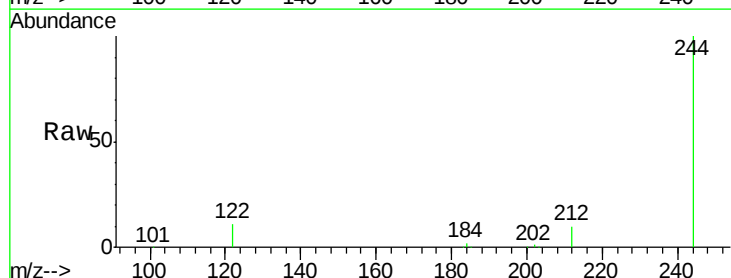
Tgt Ion:184 Resp: 2622

Ion Ratio Lower Upper

184 100

185 23.9 11.6 17.4#

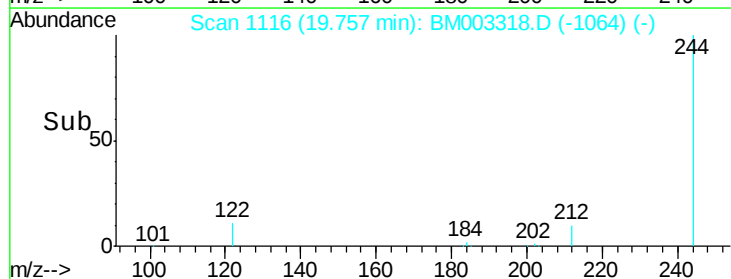
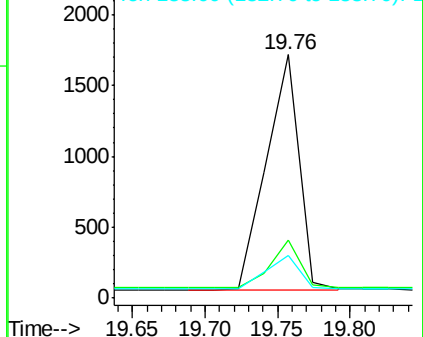
183 17.6 8.6 13.0#

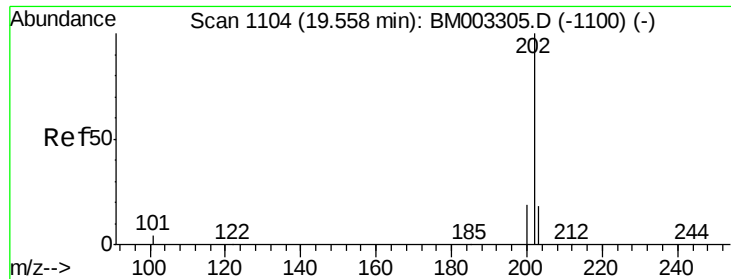


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E

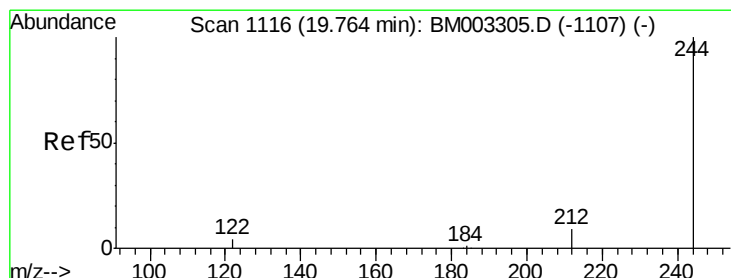
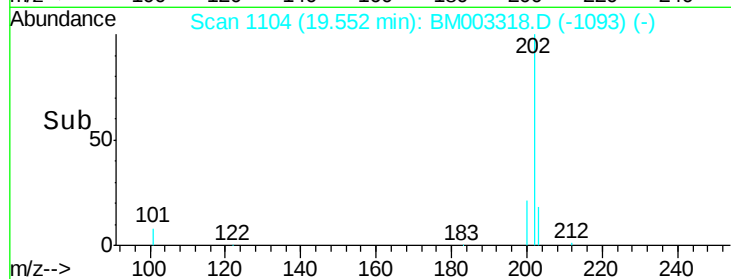
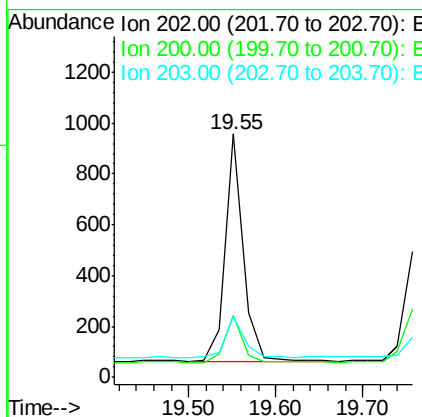
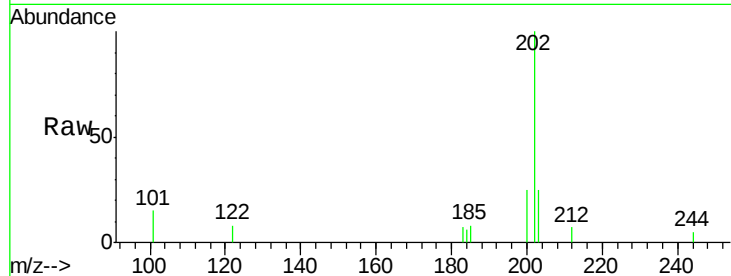




#28
 Pyrene
 Concen: 0.02 ng
 RT: 19.55 min Scan# 1104
 Delta R.T. -0.01 min
 Lab File: BM003318.D
 Acq: 27 Nov 2015 23:22

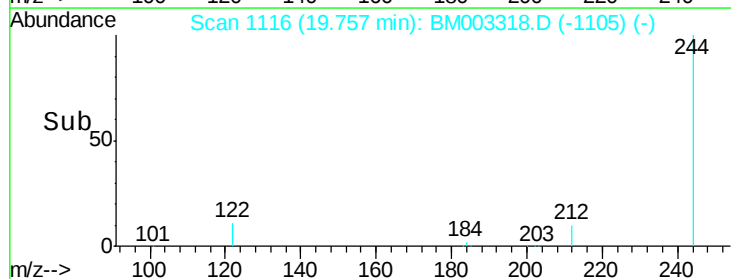
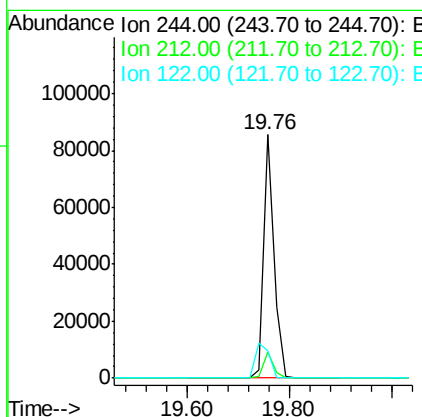
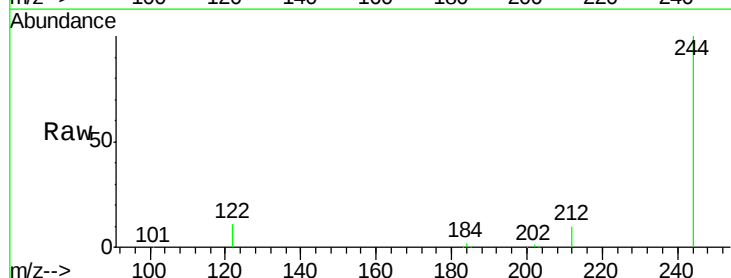
Instrument :
 BNA_M
 ClientSampleId :
 EB-111815

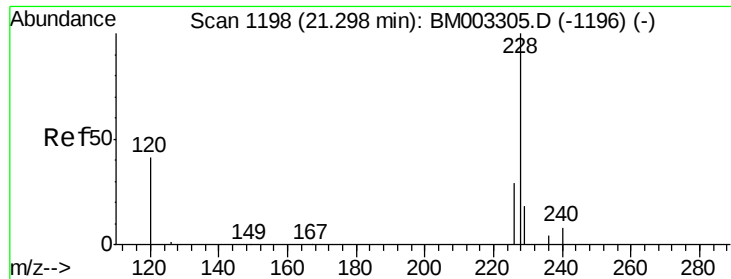
Tgt Ion: 202 Resp: 1285
 Ion Ratio Lower Upper
 202 100
 200 21.4 16.7 25.1
 203 19.8 13.8 20.6



#29
 Terphenyl-d14
 Concen: 4.99 ng
 RT: 19.76 min Scan# 1116
 Delta R.T. -0.01 min
 Lab File: BM003318.D
 Acq: 27 Nov 2015 23:22

Tgt Ion: 244 Resp: 117556
 Ion Ratio Lower Upper
 244 100
 212 10.4 6.5 9.7#
 122 11.0 2.0 3.0#

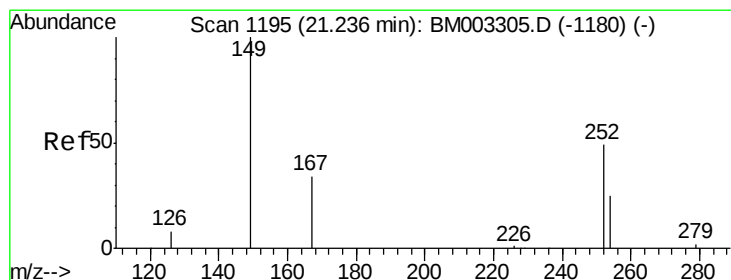
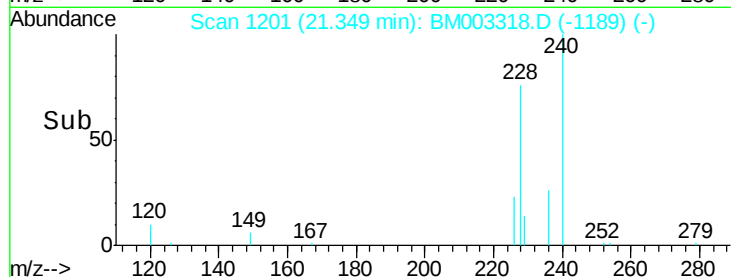
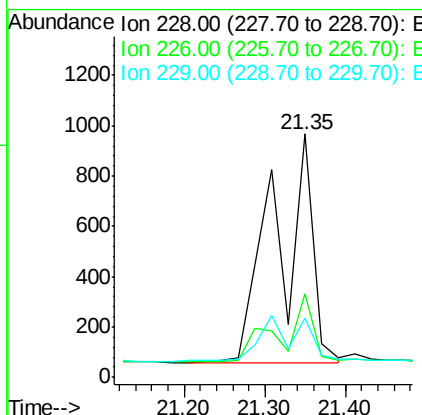
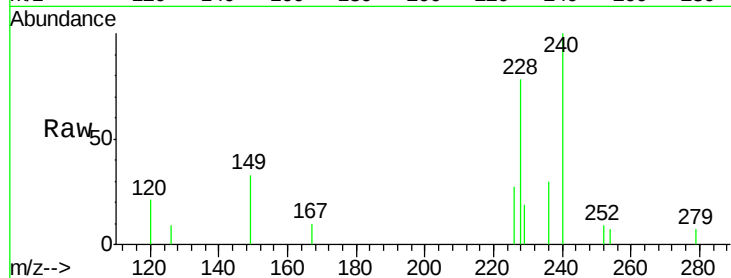




#30
Benzo(a)anthracene
Concen: 0.07 ng
RT: 21.35 min Scan# 1201
Delta R.T. 0.05 min
Lab File: BM003318.D
Acq: 27 Nov 2015 23:22

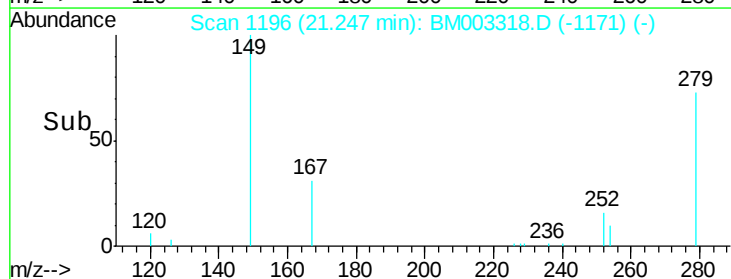
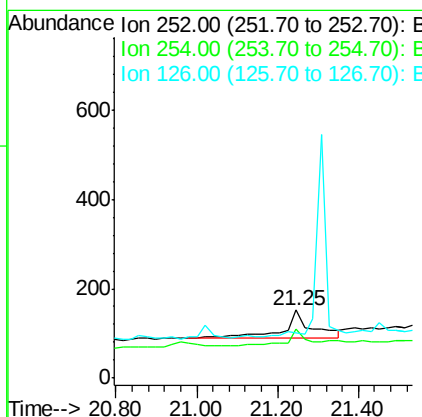
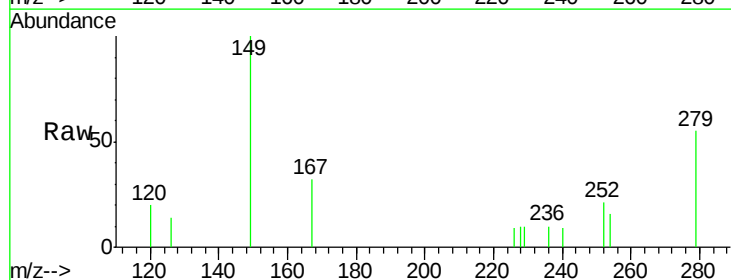
Instrument :
BNA_M
ClientSampleId :
EB-111815

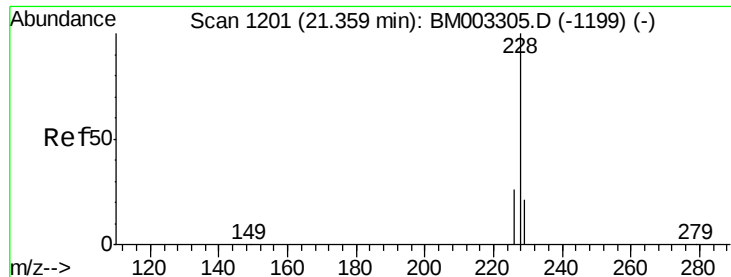
Tgt Ion:228 Resp: 2874
Ion Ratio Lower Upper
228 100
226 34.3 17.8 26.6#
229 24.3 18.0 27.0



#31
3,3'-Dichlorobenzidine
Concen: 0.20 ng
RT: 21.25 min Scan# 1196
Delta R.T. 0.01 min
Lab File: BM003318.D
Acq: 27 Nov 2015 23:22

Tgt Ion:252 Resp: 299
Ion Ratio Lower Upper
252 100
254 72.4 53.7 80.5
126 66.4 2.8 4.2#





#32

Chrysene

Concen: 0.07 ng

RT: 21.35 min Scan# 1201

Delta R.T. -0.01 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Instrument :

BNA_M

ClientSampleId :

EB-111815

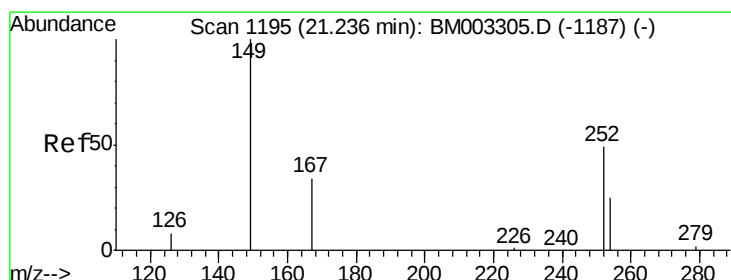
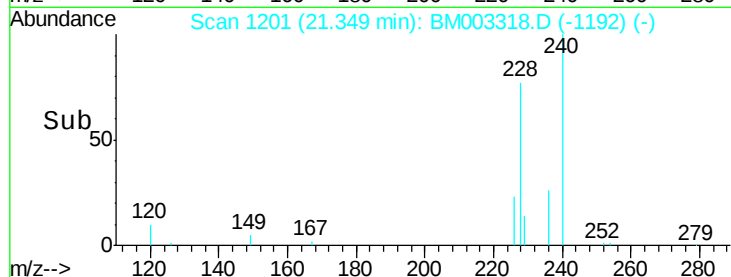
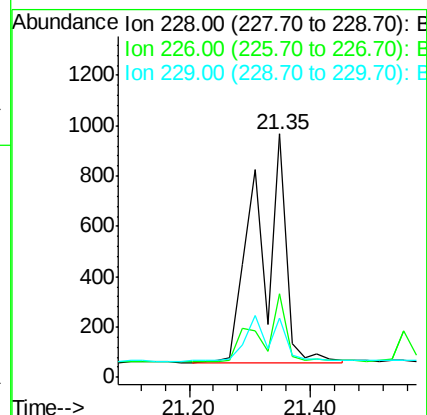
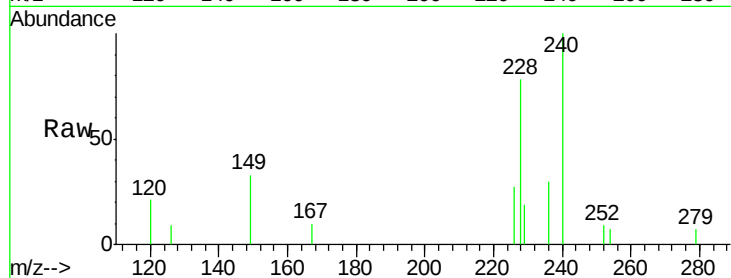
Tgt Ion:228 Resp: 2938

Ion Ratio Lower Upper

228 100

226 34.3 25.5 38.3

229 24.3 14.3 21.5#



#33

Bis(2-ethylhexyl)phthalate

Concen: 1.93 ng

RT: 21.23 min Scan# 1195

Delta R.T. -0.01 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

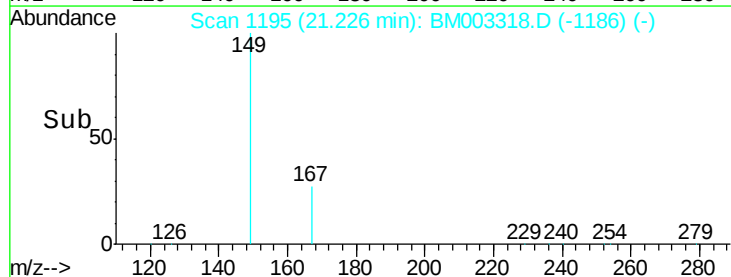
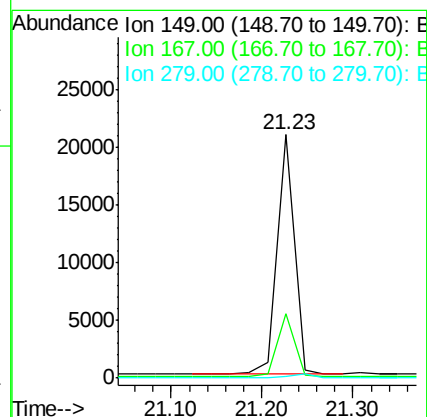
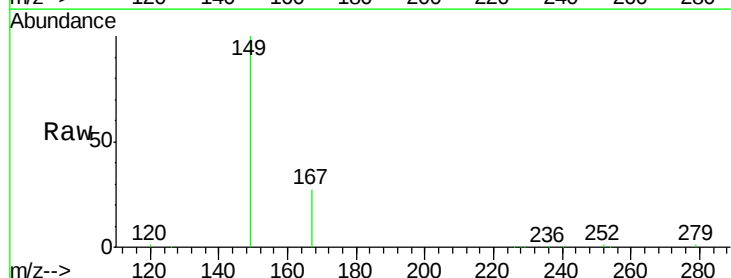
Tgt Ion:149 Resp: 27729

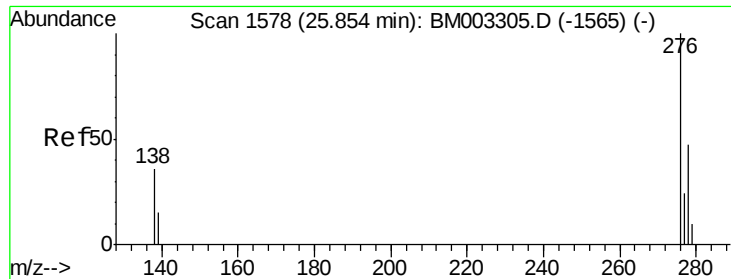
Ion Ratio Lower Upper

149 100

167 26.4 19.6 29.4

279 0.0 0.0 0.0

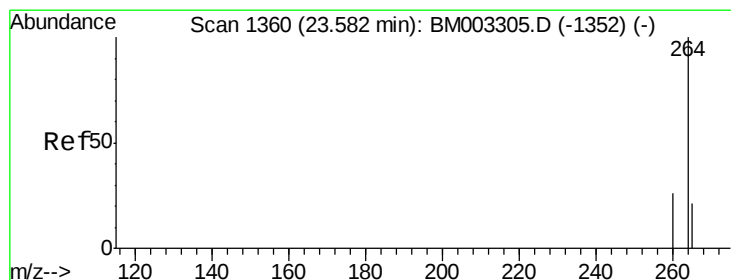
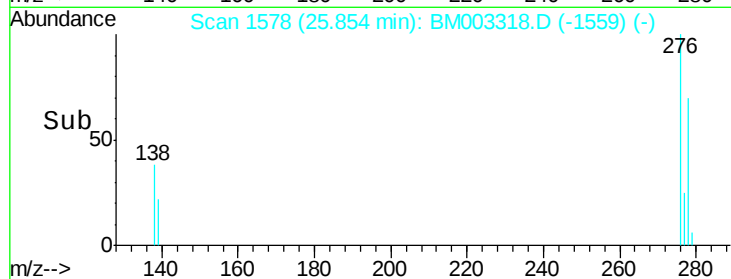
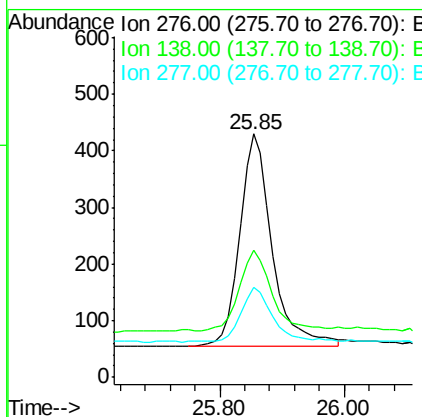
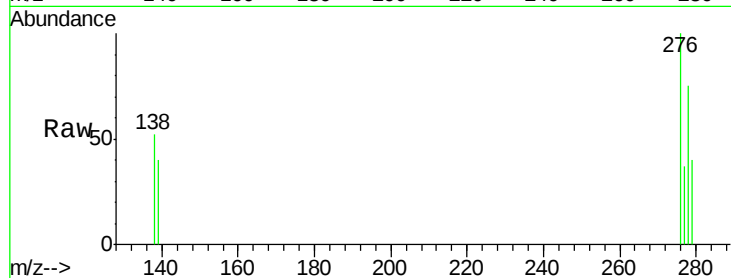




#34
 Indeno(1,2,3-cd)pyrene
 Concen: 0.03 ng
 RT: 25.85 min Scan# 1578
 Delta R.T. -0.00 min
 Lab File: BM003318.D
 Acq: 27 Nov 2015 23:22

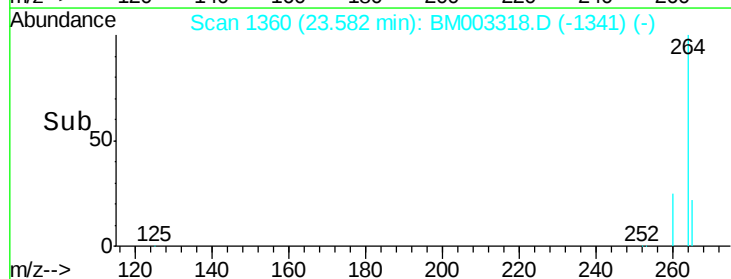
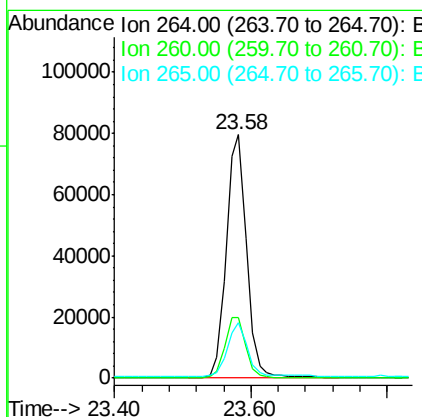
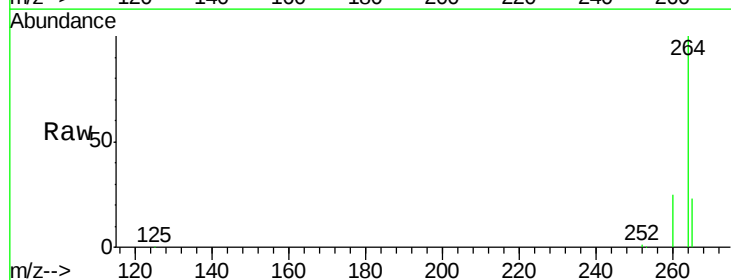
Instrument :
 BNA_M
 ClientSampleId :
 EB-111815

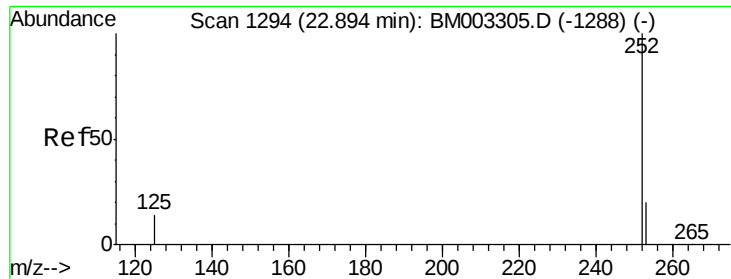
Tgt Ion: 276 Resp: 1369
 Ion Ratio Lower Upper
 276 100
 138 38.3 19.1 28.7#
 277 25.1 15.9 23.9#



#35
 Perylene-d12
 Concen: 5.00 ng
 RT: 23.58 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: BM003318.D
 Acq: 27 Nov 2015 23:22

Tgt Ion: 264 Resp: 163751
 Ion Ratio Lower Upper
 264 100
 260 24.7 19.6 29.4
 265 22.6 18.4 27.6





#36

Benzo(b)fluoranthene

Concen: 0.02 ng

RT: 22.89 min Scan# 1294

Delta R.T. -0.00 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Instrument :

BNA_M

ClientSampleId :

EB-111815

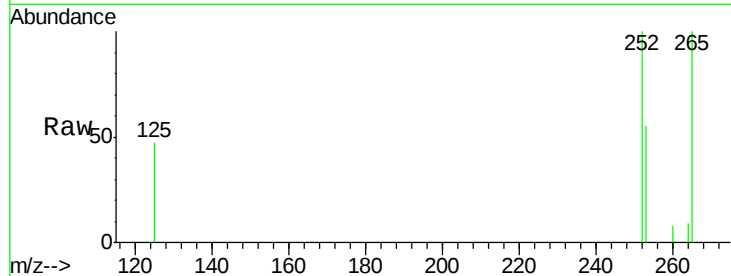
Tgt Ion:252 Resp: 984

Ion Ratio Lower Upper

252 100

253 55.4 18.2 27.4#

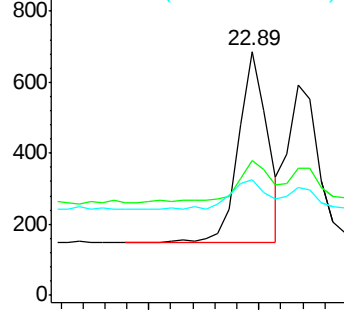
125 47.2 10.3 15.5#



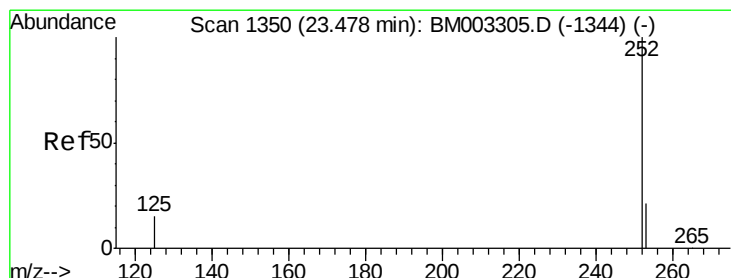
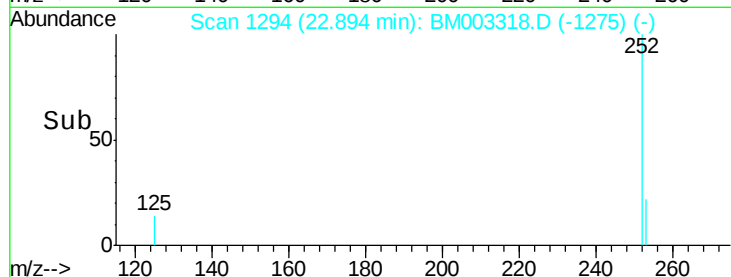
Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->



#38

Benzo(a)pyrene

Concen: 0.02 ng

RT: 23.48 min Scan# 1350

Delta R.T. -0.00 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

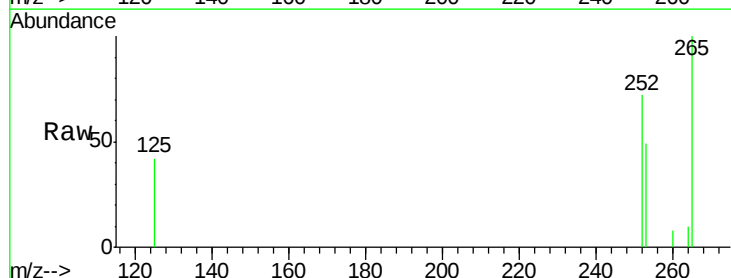
Tgt Ion:252 Resp: 773

Ion Ratio Lower Upper

252 100

253 68.9 18.7 28.1#

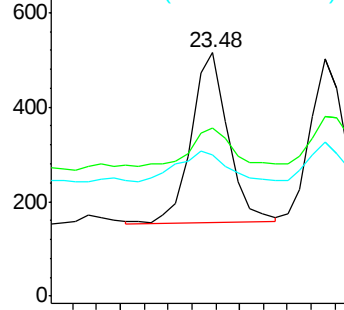
125 58.3 11.6 17.4#



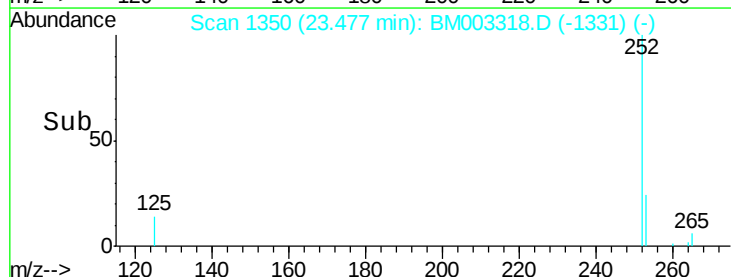
Abundance Ion 252.00 (251.70 to 252.70): E

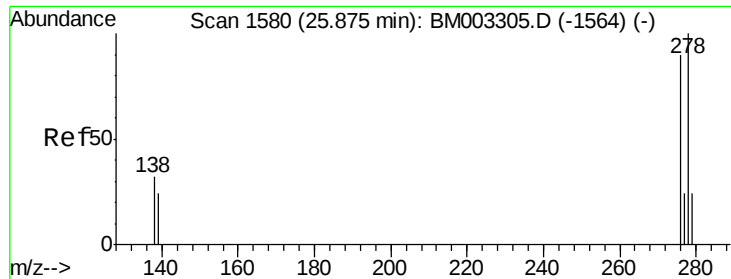
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



Time-->





#39

Dibenzo(a,h)anthracene

Concen: 0.04 ng

RT: 25.88 min Scan# 1580

Delta R.T. -0.00 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

Instrument :

BNA_M

ClientSampleId :

EB-111815

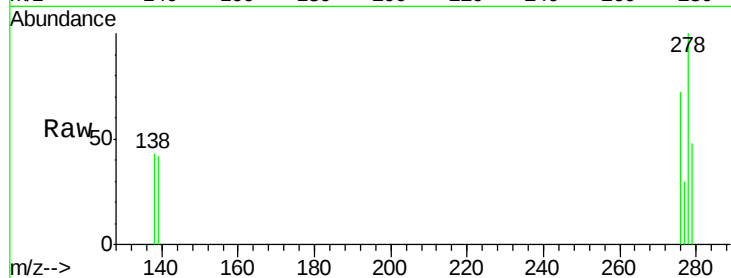
Tgt Ion:278 Resp: 1360

Ion Ratio Lower Upper

278 100

139 42.1 18.2 27.4#

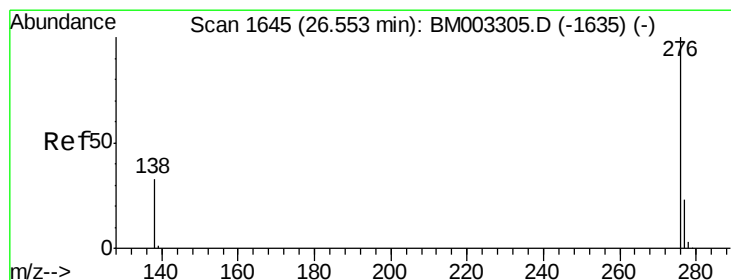
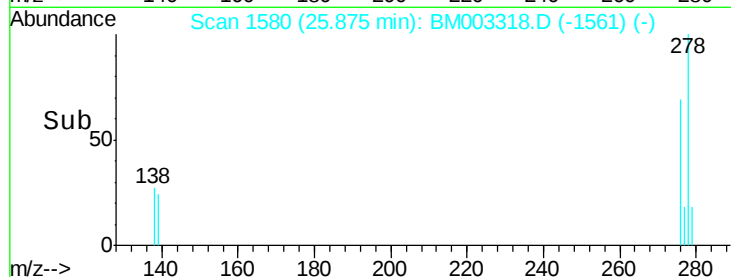
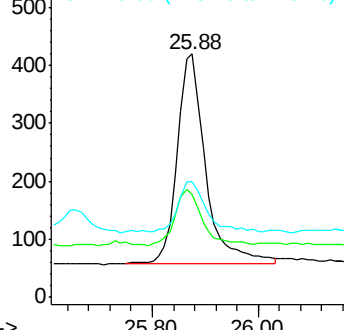
279 47.6 18.8 28.2#



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



#40

Benzo(g,h,i)perylene

Concen: 0.03 ng

RT: 26.55 min Scan# 1645

Delta R.T. -0.00 min

Lab File: BM003318.D

Acq: 27 Nov 2015 23:22

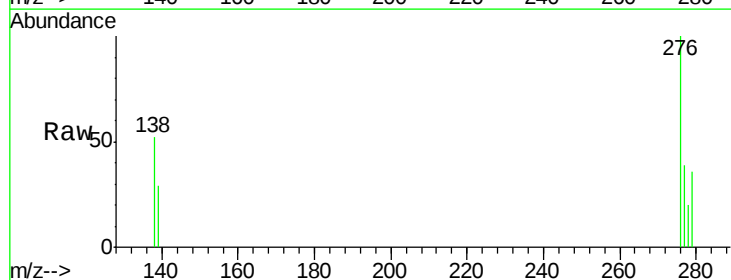
Tgt Ion:276 Resp: 1008

Ion Ratio Lower Upper

276 100

277 38.6 19.0 28.6#

138 52.3 22.3 33.5#



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

