

Data Path : Z:\HPCHEM1\BNA M\DATA\BM072717\
 Data File : BM011004.D
 Acq On : 27 Jul 2017 11:12
 Operator : SJ/JU
 Sample : I4424-09
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Jul 28 01:02:24 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM072617.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 26 17:29:06 2017
 Response via : Initial Calibration

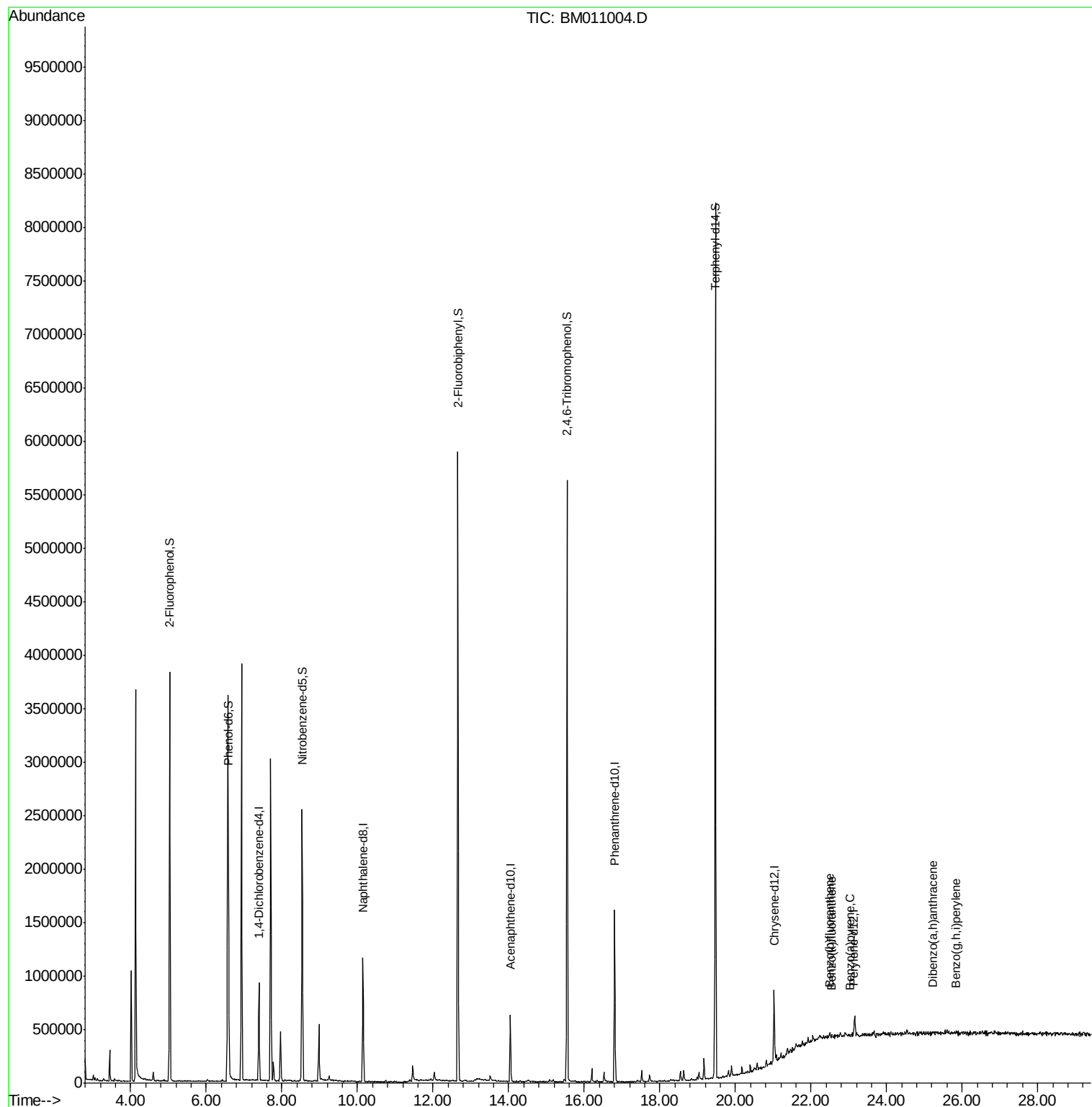
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.39	152	177659	20.00	ng	0.00
21) Naphthalene-d8	10.15	136	641602	20.00	ng	0.00
38) Acenaphthene-d10	14.05	164	147146	20.00	ng	0.00
63) Phenanthrene-d10	16.80	188	685250	20.00	ng	0.00
75) Chrysene-d12	21.02	240	171943	20.00	ng	0.00
86) Perylene-d12	23.13	264	1060	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	1139413	108.42	ng	0.00
7) Phenol-d6	6.59	99	767447	51.40	ng	0.00
23) Nitrobenzene-d5	8.53	82	1385671	81.06	ng	0.00
41) 2,4,6-Tribromophenol	15.55	330	744312	315.59	ng	0.00
44) 2-Fluorobiphenyl	12.66	172	2550672	217.40	ng	0.00
78) Terphenyl-d14	19.47	244	2423565	279.21	ng	0.00
Target Compounds						
87) Benzo(b)fluoranthene	22.50	252	2415	35.50	ng	# 1
88) Benzo(k)fluoranthene	22.55	252	4154	63.71	ng	# 1
89) Benzo(a)pyrene	23.03	252	3178	51.62	ng	# 1
90) Dibenzo(a,h)anthracene	25.23	278	263	4.61	ng	# 17
91) Benzo(g,h,i)perylene	25.83	276	2142	38.22	ng	# 52

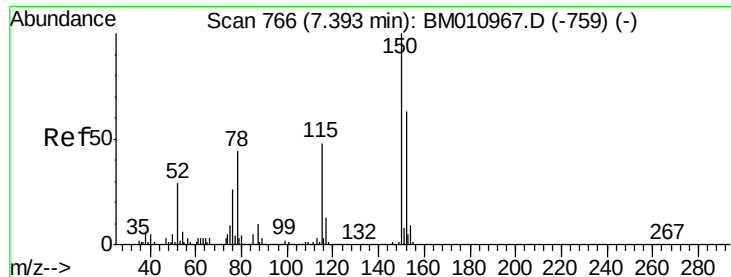
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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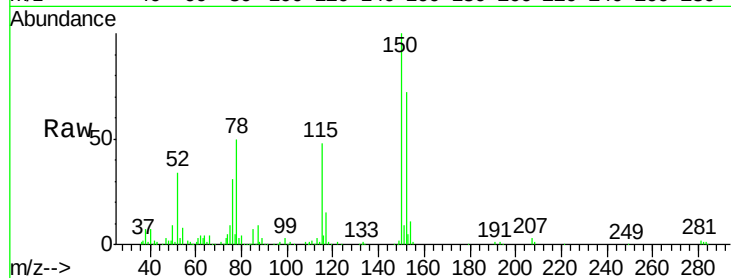


#1

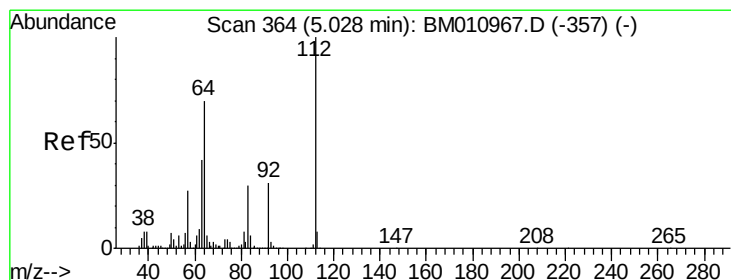
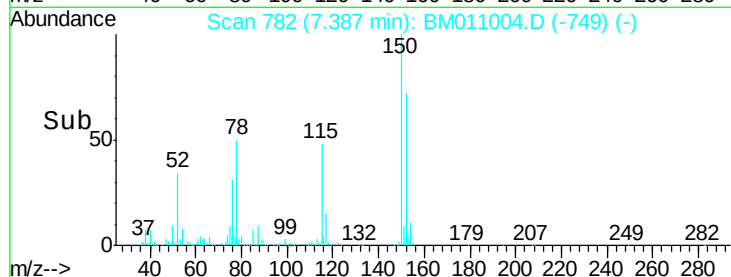
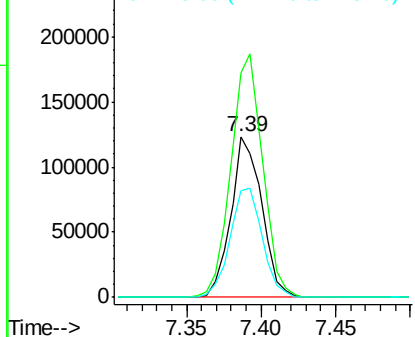
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.39 min Scan# 782
Delta R.T. -0.01 min
Lab File: BM011004.D
Acq: 27 Jul 2017 11:12

Instrument :
BNA_M
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	139.4	119.5	179.3
115	66.6	43.0	64.4



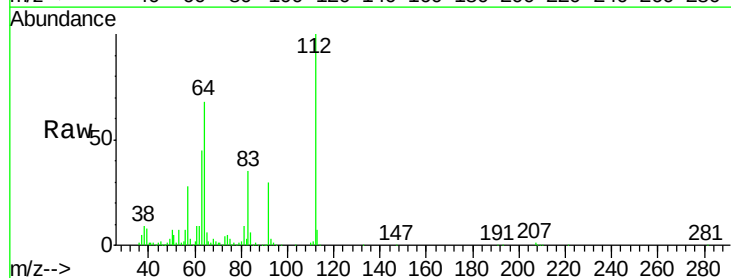
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



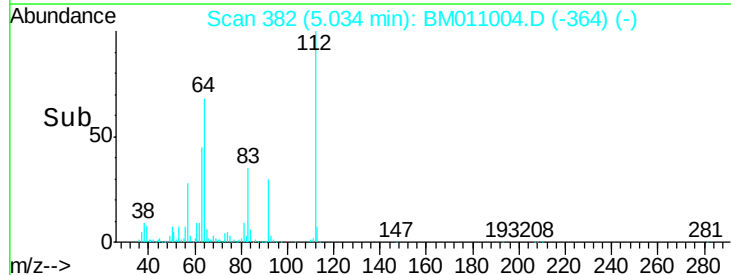
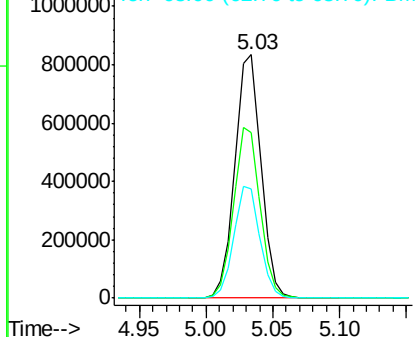
#5

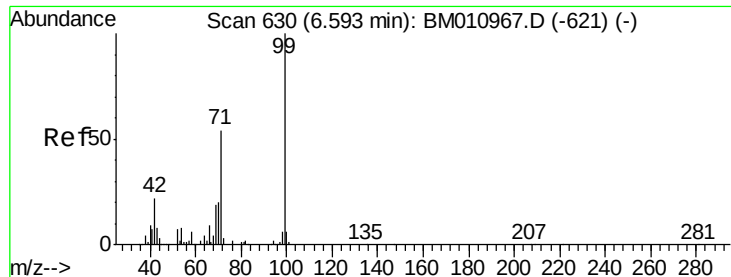
2-Fluorophenol
Concen: 108.42 ng
RT: 5.03 min Scan# 382
Delta R.T. 0.01 min
Lab File: BM011004.D
Acq: 27 Jul 2017 11:12

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.0	38.6	57.8
63	44.7	19.3	28.9



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





#7

Phenol-d6

Concen: 51.40 ng

RT: 6.59 min Scan# 646

Delta R.T. -0.01 min

Lab File: BM011004.D

Acq: 27 Jul 2017 11:12

Instrument :

BNA_M

ClientSampleId :

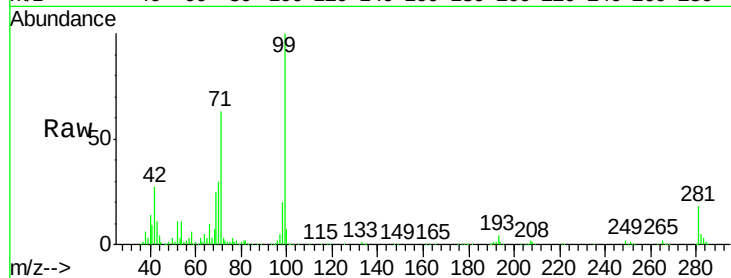
Tot Ion: 99 Resp: 767447

Ion Ratio Lower Upper

99 100

42 27.4 11.0 16.4#

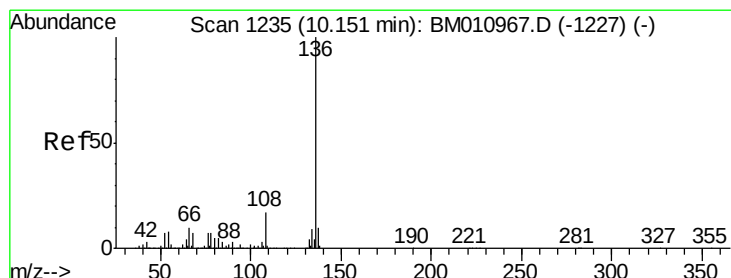
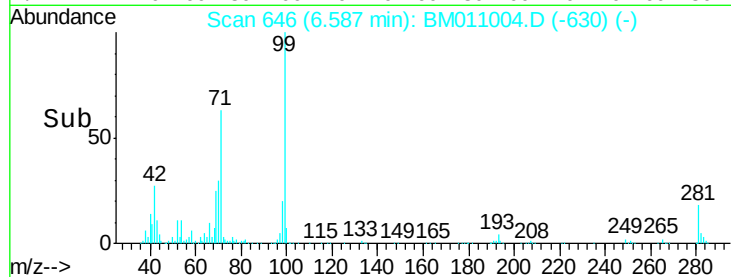
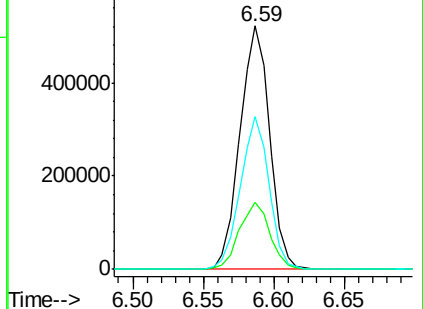
71 62.7 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011004.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM011004.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM011004.D (-630) (-)



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.15 min Scan# 1251

Delta R.T. -0.01 min

Lab File: BM011004.D

Acq: 27 Jul 2017 11:12

Tgt Ion: 136 Resp: 641602

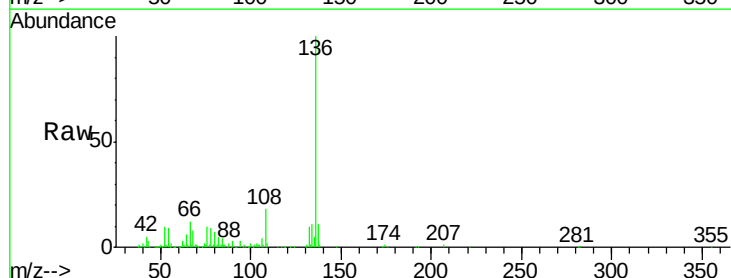
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 9.0 4.6 6.8#

68 7.6 3.7 5.5#

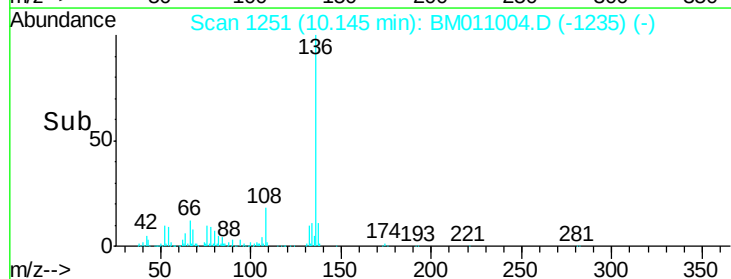
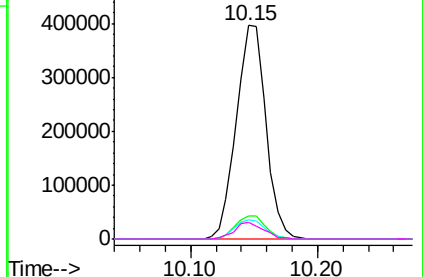


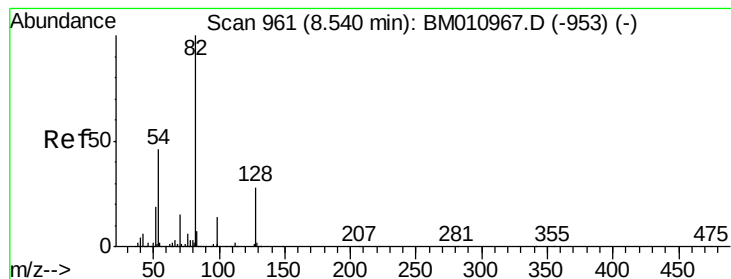
Abundance Ion 136.00 (135.70 to 136.70): BM011004.D (-1235) (-)

Ion 137.00 (136.70 to 137.70): BM011004.D (-1235) (-)

Ion 54.00 (53.70 to 54.70): BM011004.D (-1235) (-)

Ion 68.00 (67.70 to 68.70): BM011004.D (-1235) (-)





#23

Nitrobenzene-d5

Concen: 81.06 ng

RT: 8.53 min Scan# 977

Delta R.T. -0.01 min

Lab File: BM011004.D

Acq: 27 Jul 2017 11:12

Instrument :

BNA_M

ClientSampled :

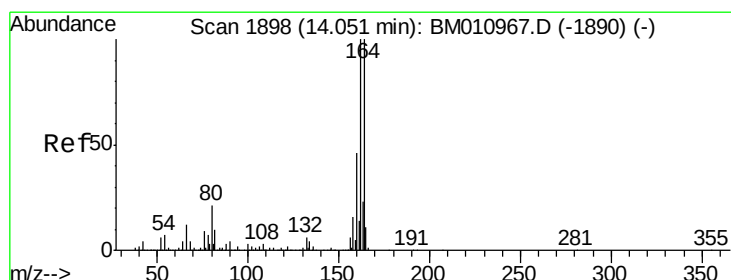
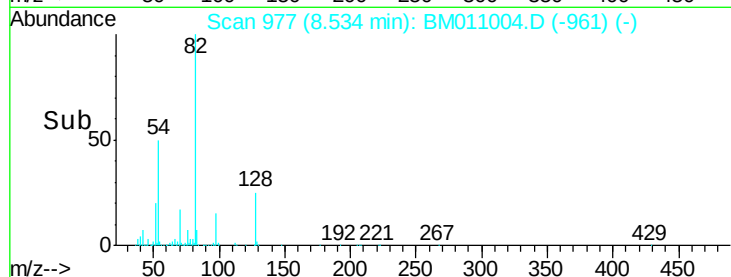
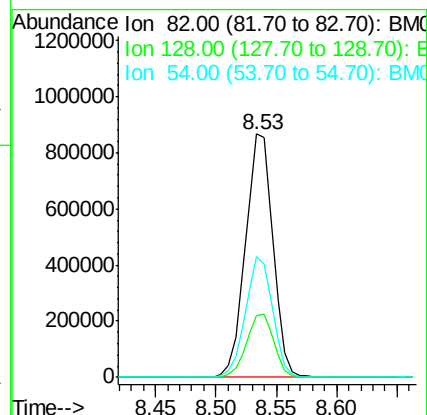
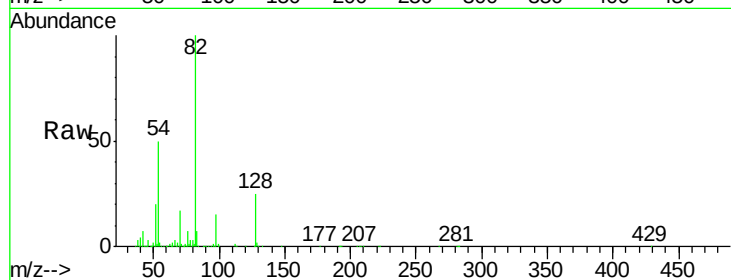
Tot Ion: 82 Resp: 1385671

Ion Ratio Lower Upper

82 100

128 25.3 32.8 49.2#

54 49.7 40.6 60.8



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.05 min Scan# 1914

Delta R.T. -0.01 min

Lab File: BM011004.D

Acq: 27 Jul 2017 11:12

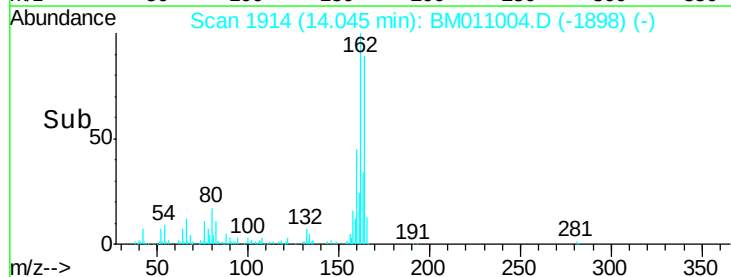
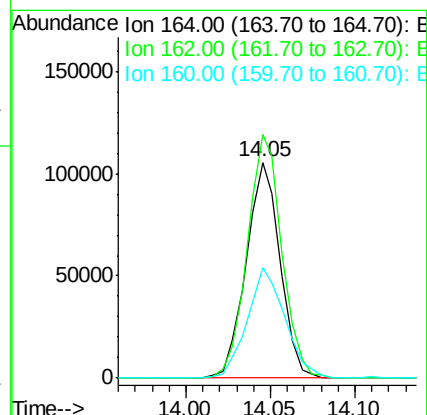
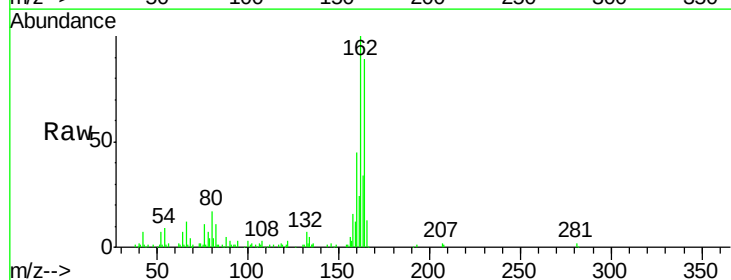
Tgt Ion:164 Resp: 147146

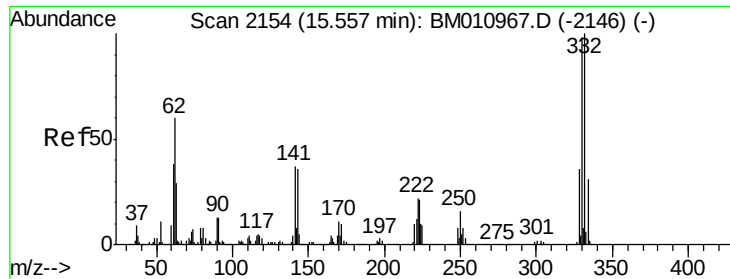
Ion Ratio Lower Upper

164 100

162 112.9 82.4 123.6

160 51.3 35.8 53.6

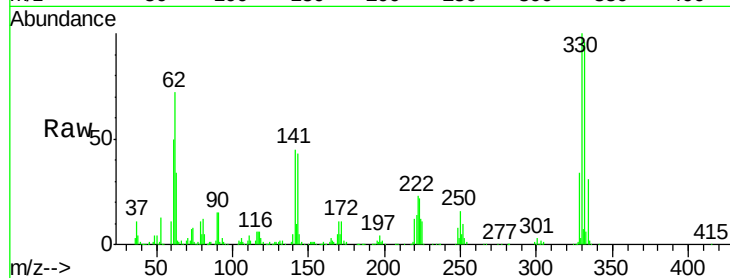




#41
 2,4,6-Tribromophenol
 Concen: 315.59 ng
 RT: 15.55 min Scan# 2170
 Delta R.T. -0.01 min
 Lab File: BM011004.D
 Acq: 27 Jul 2017 11:12

Instrument :
 BNA_M
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.1	0.0	0.0#
141	45.9	0.0	0.0#

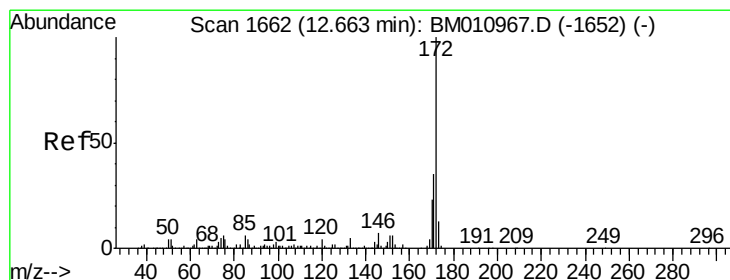
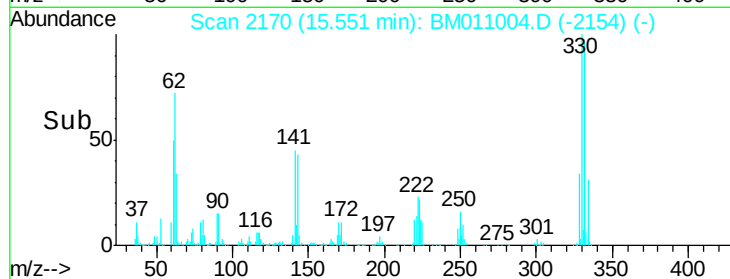
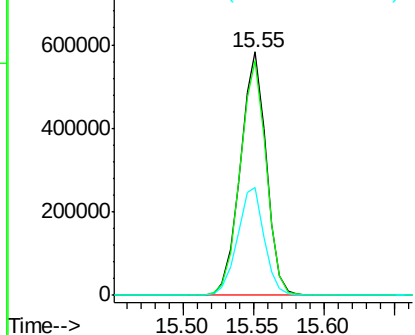


Abundance

Ion 329.80 (329.50 to 330.50): E

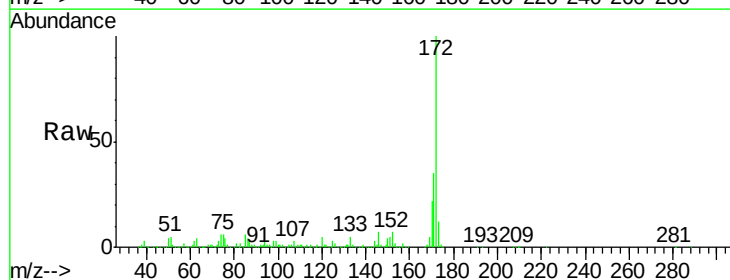
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#44
 2-Fluorobiphenyl
 Concen: 217.40 ng
 RT: 12.66 min Scan# 1678
 Delta R.T. -0.01 min
 Lab File: BM011004.D
 Acq: 27 Jul 2017 11:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.5	42.7
170	22.4	18.8	28.2

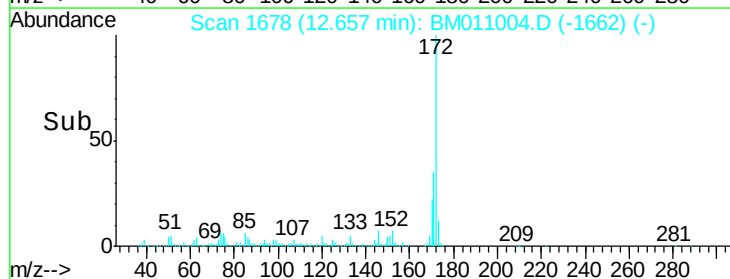
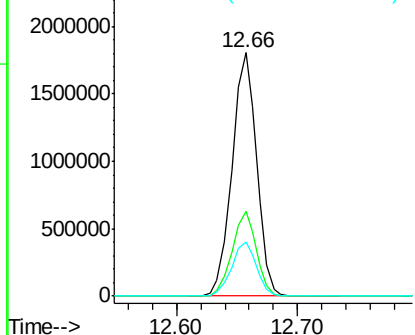


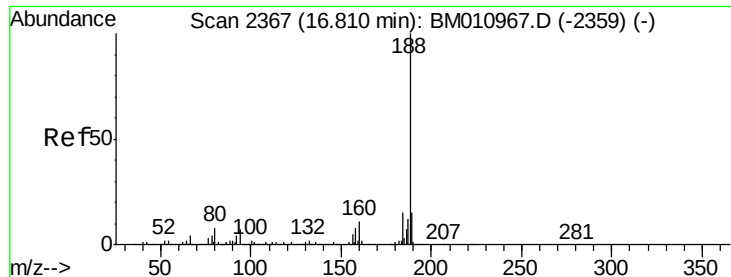
Abundance

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

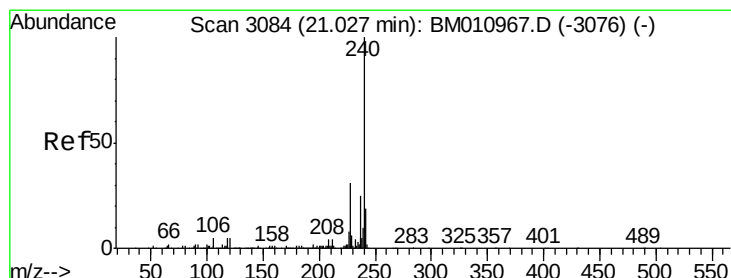
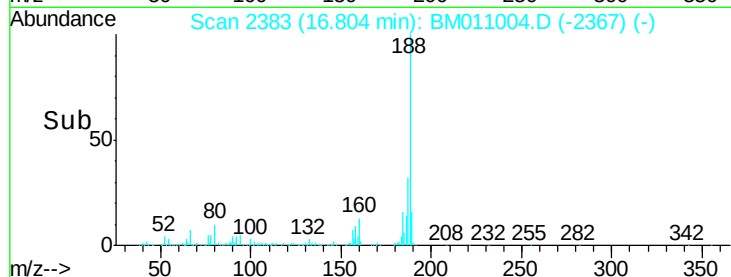
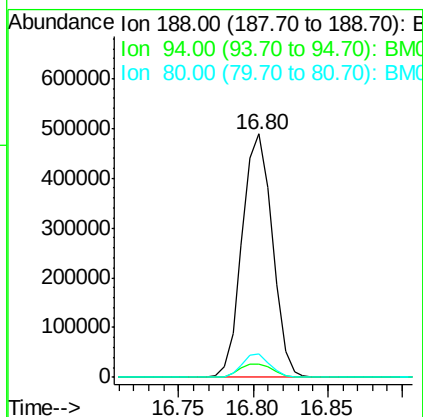
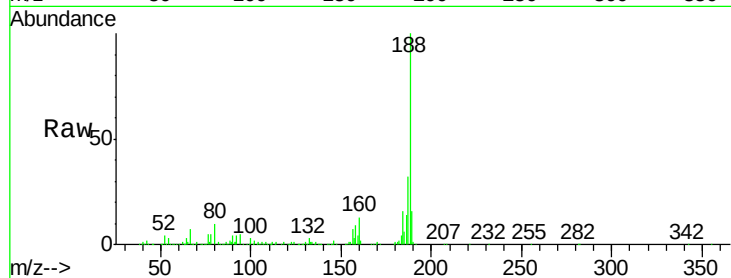




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.80 min Scan# 2383
Delta R.T. -0.01 min
Lab File: BM011004.D
Acq: 27 Jul 2017 11:12

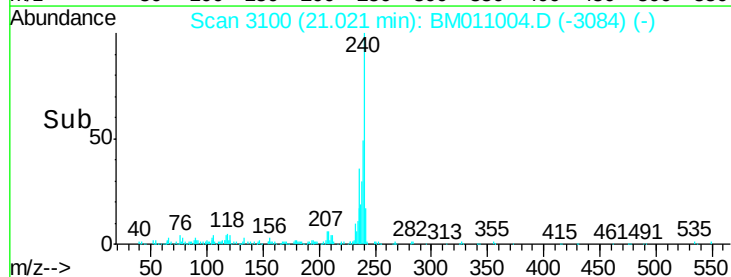
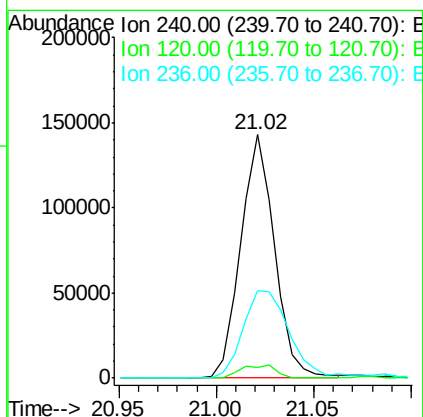
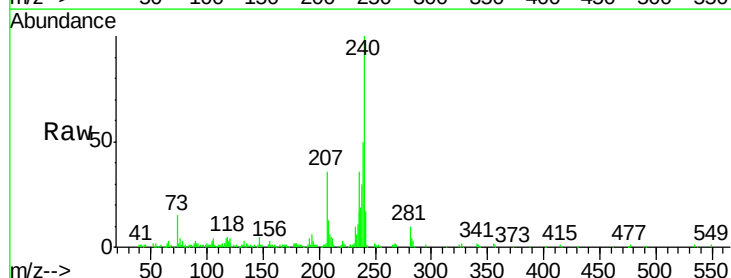
Instrument :
BNA_M
ClientSampleId :

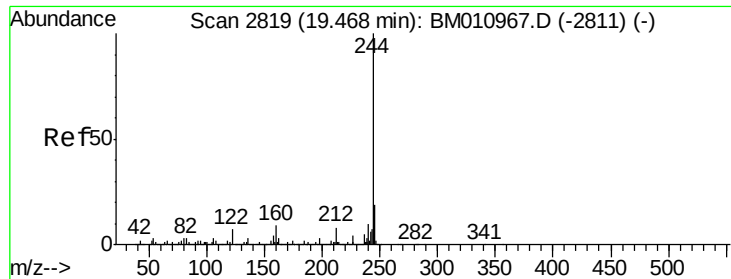
Tot Ion:188 Resp: 685250
Ion Ratio Lower Upper
188 100
94 5.4 8.7 13.1#
80 9.8 9.3 13.9



#75
Chrysene-d12
Concen: 20.00 ng
RT: 21.02 min Scan# 3100
Delta R.T. -0.01 min
Lab File: BM011004.D
Acq: 27 Jul 2017 11:12

Tgt Ion:240 Resp: 171943
Ion Ratio Lower Upper
240 100
120 6.4 8.2 12.2#
236 36.2 20.0 30.0#





#78

Terphenyl-d14

Concen: 279.21 ng

RT: 19.47 min Scan# 2836

Delta R.T. 0.00 min

Lab File: BM011004.D

Acq: 27 Jul 2017 11:12

Instrument :

BNA_M

ClientSampleId :

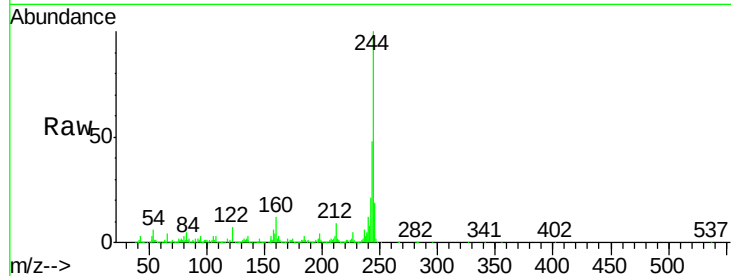
Tot Ion:244 Resp: 2423565

Ion Ratio Lower Upper

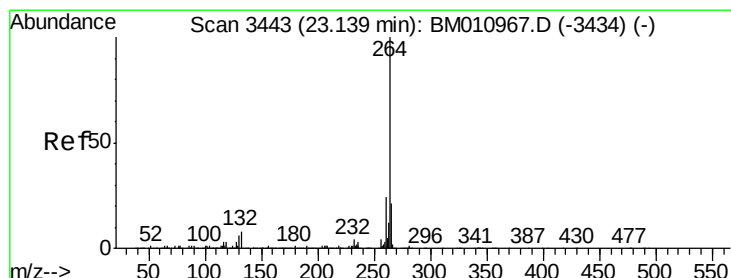
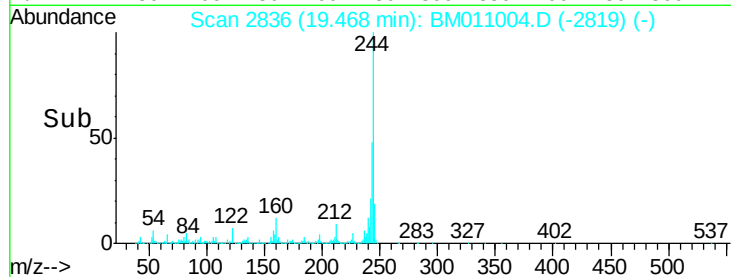
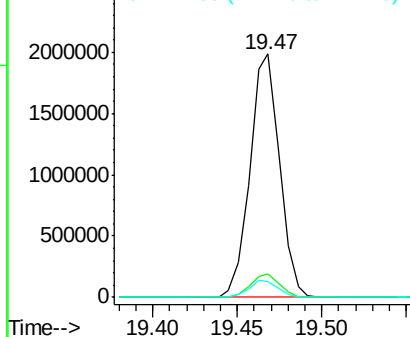
244 100

212 9.4 4.9 7.3#

122 6.5 6.2 9.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 23.13 min Scan# 3458

Delta R.T. -0.01 min

Lab File: BM011004.D

Acq: 27 Jul 2017 11:12

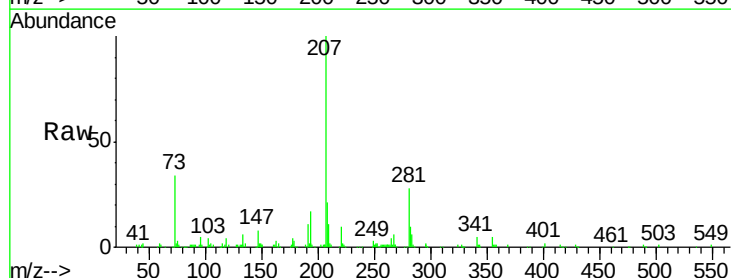
Tgt Ion:264 Resp: 1060

Ion Ratio Lower Upper

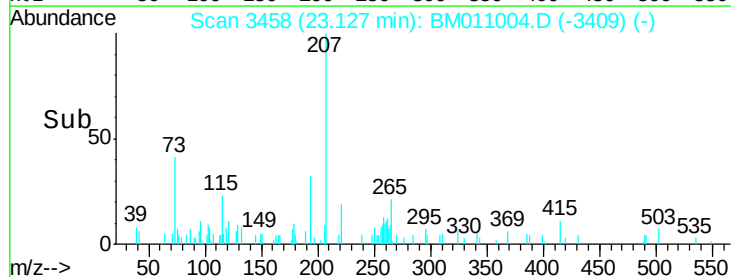
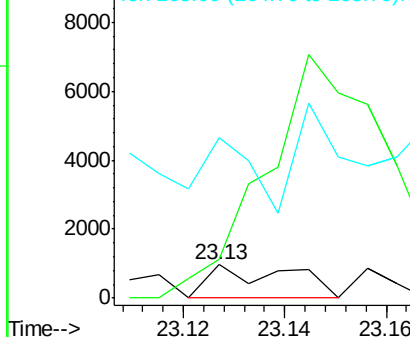
264 100

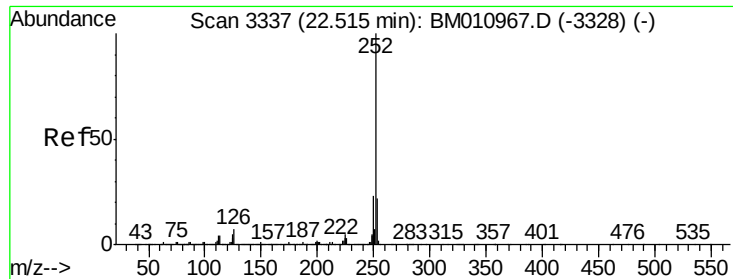
260 114.7 18.6 27.8#

265 478.2 17.3 25.9#



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





#87

Benzo(b)fluoranthene

Concen: 35.50 ng

RT: 22.50 min Scan# 3352

Delta R.T. -0.01 min

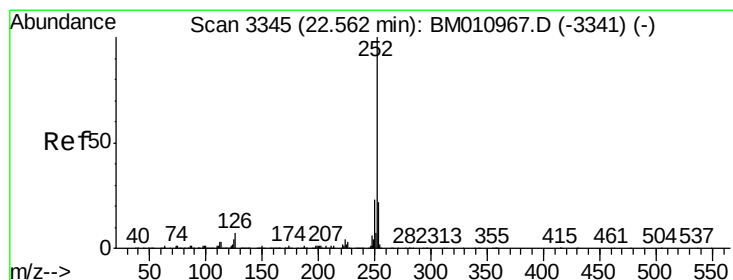
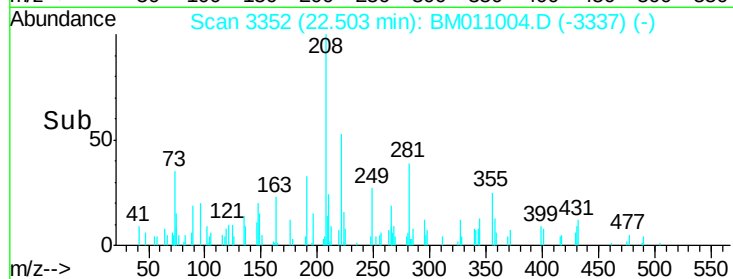
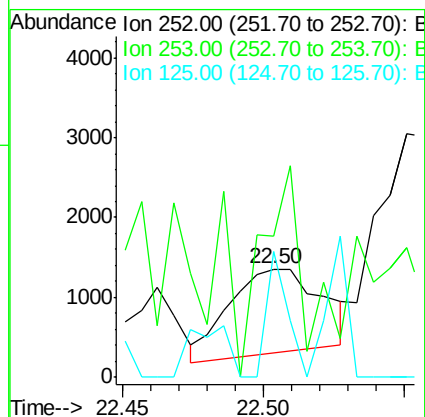
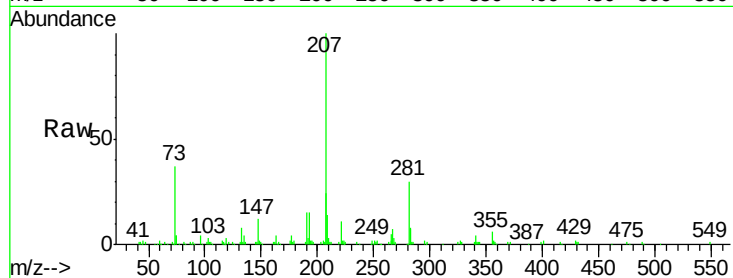
Lab File: BM011004.D

Acq: 27 Jul 2017 11:12

Instrument :
BNA_M
ClientSampleId :

Tot Ion:252 Resp: 2415

Ion	Ratio	Lower	Upper
252	100		
253	131.3	18.0	27.0#
125	116.2	9.9	14.9#



#88

Benzo(k)fluoranthene

Concen: 63.71 ng

RT: 22.55 min Scan# 3360

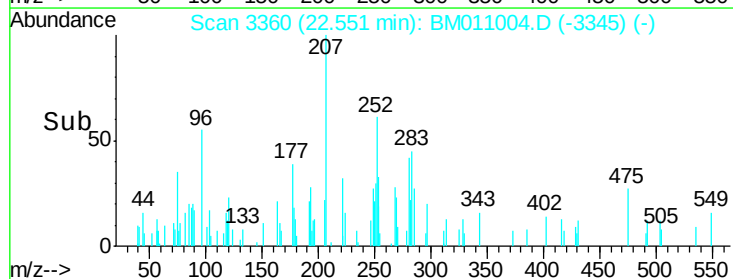
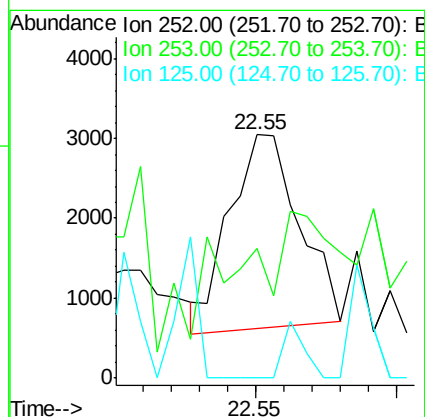
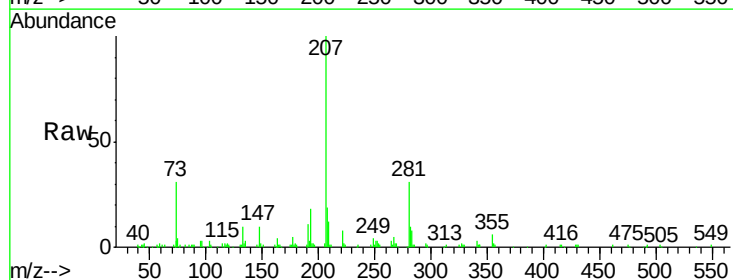
Delta R.T. -0.01 min

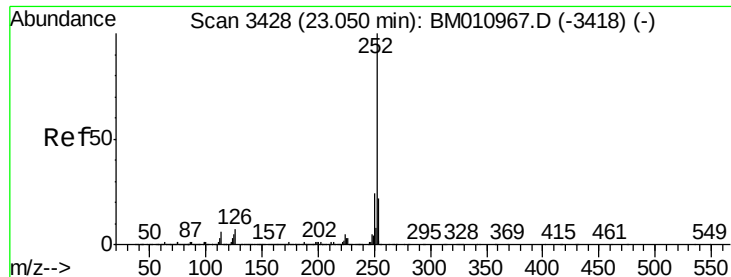
Lab File: BM011004.D

Acq: 27 Jul 2017 11:12

Tgt Ion:252 Resp: 4154

Ion	Ratio	Lower	Upper
252	100		
253	84.4	17.2	25.8#
125	0.0	8.1	12.1#





#89

Benzo(a)pyrene

Concen: 51.62 ng

RT: 23.03 min Scan# 3441

Delta R.T. -0.02 min

Lab File: BM011004.D

Acq: 27 Jul 2017 11:12

Instrument :

BNA_M

ClientSampleId :

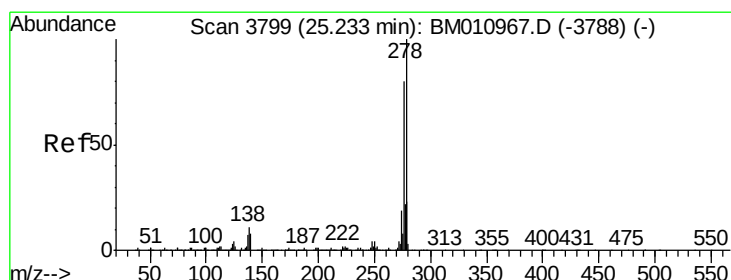
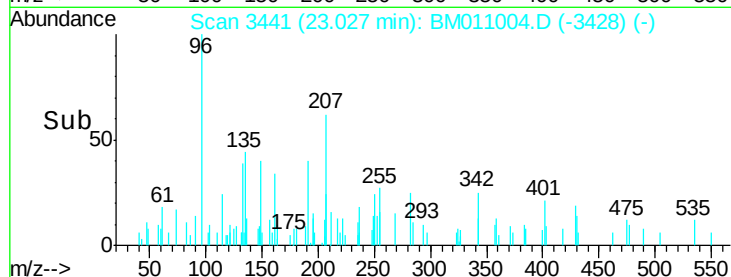
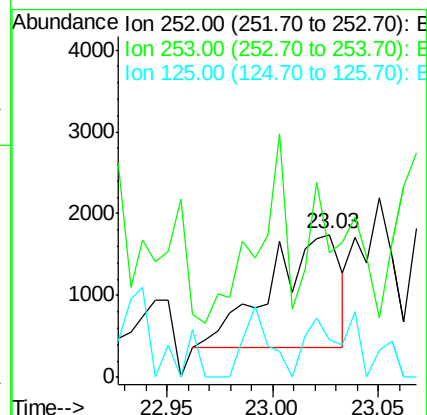
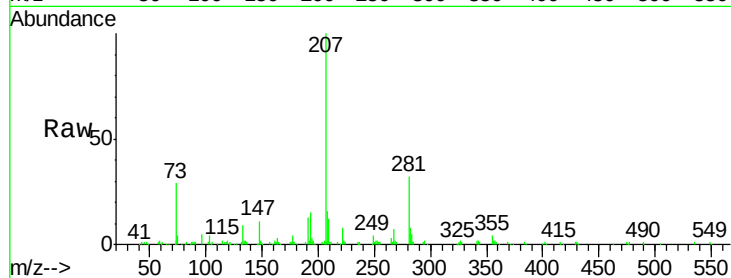
Tot Ion:252 Resp: 3178

Ion Ratio Lower Upper

252 100

253 87.5 17.6 26.4#

125 26.3 7.4 11.2#



#90

Dibenzo(a,h)anthracene

Concen: 4.61 ng

RT: 25.23 min Scan# 3815

Delta R.T. -0.01 min

Lab File: BM011004.D

Acq: 27 Jul 2017 11:12

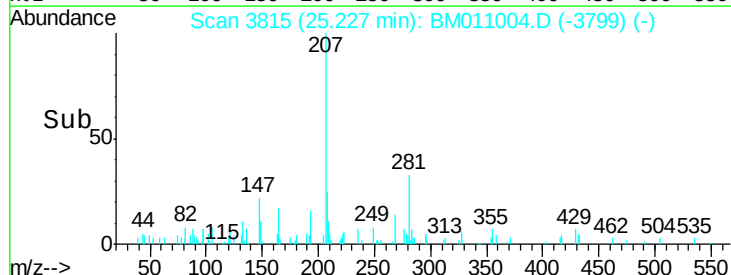
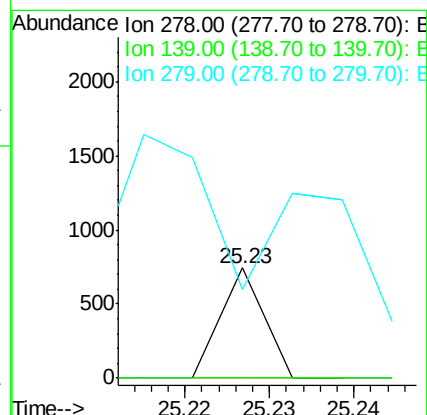
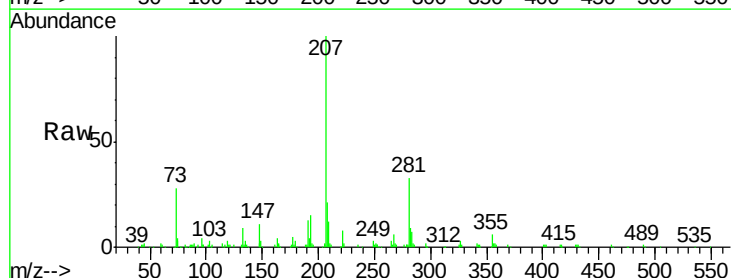
Tgt Ion:278 Resp: 263

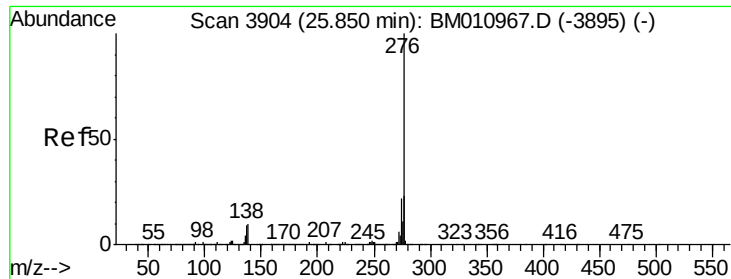
Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.0#

279 80.0 19.0 28.4#





#91

Benzo(a,h,i)perylene

Concen: 38.22 ng

RT: 25.83 min Scan# 3918

Delta R.T. -0.02 min

Lab File: BM011004.D

Acq: 27 Jul 2017 11:12

Instrument :

BNA_M

ClientSampleId :

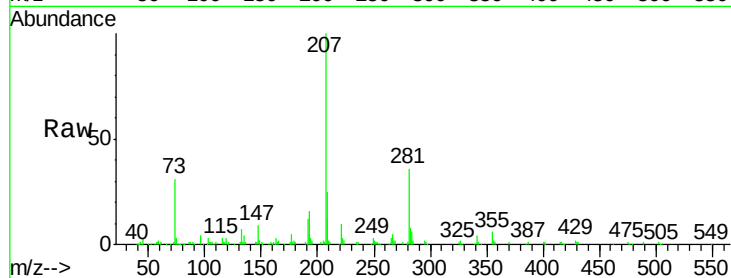
Tot Ion: 276 Resp: 2142

Ion Ratio Lower Upper

276 100

277 0.0 18.5 27.7#

138 0.0 19.0 28.6#



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

