

Data Path : Z:\HPCHEM1\BNA M\DATA\BM052217\
 Data File : BM010115.D
 Acq On : 22 May 2017 22:48
 Operator : SJ/MA
 Sample : I3202-24RE
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: May 23 05:31:51 2017
 Quant Method : Z:\HPCHEM1\BNA M\METHODS\8270-BM051917.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat May 20 04:25:49 2017
 Response via : Initial Calibration

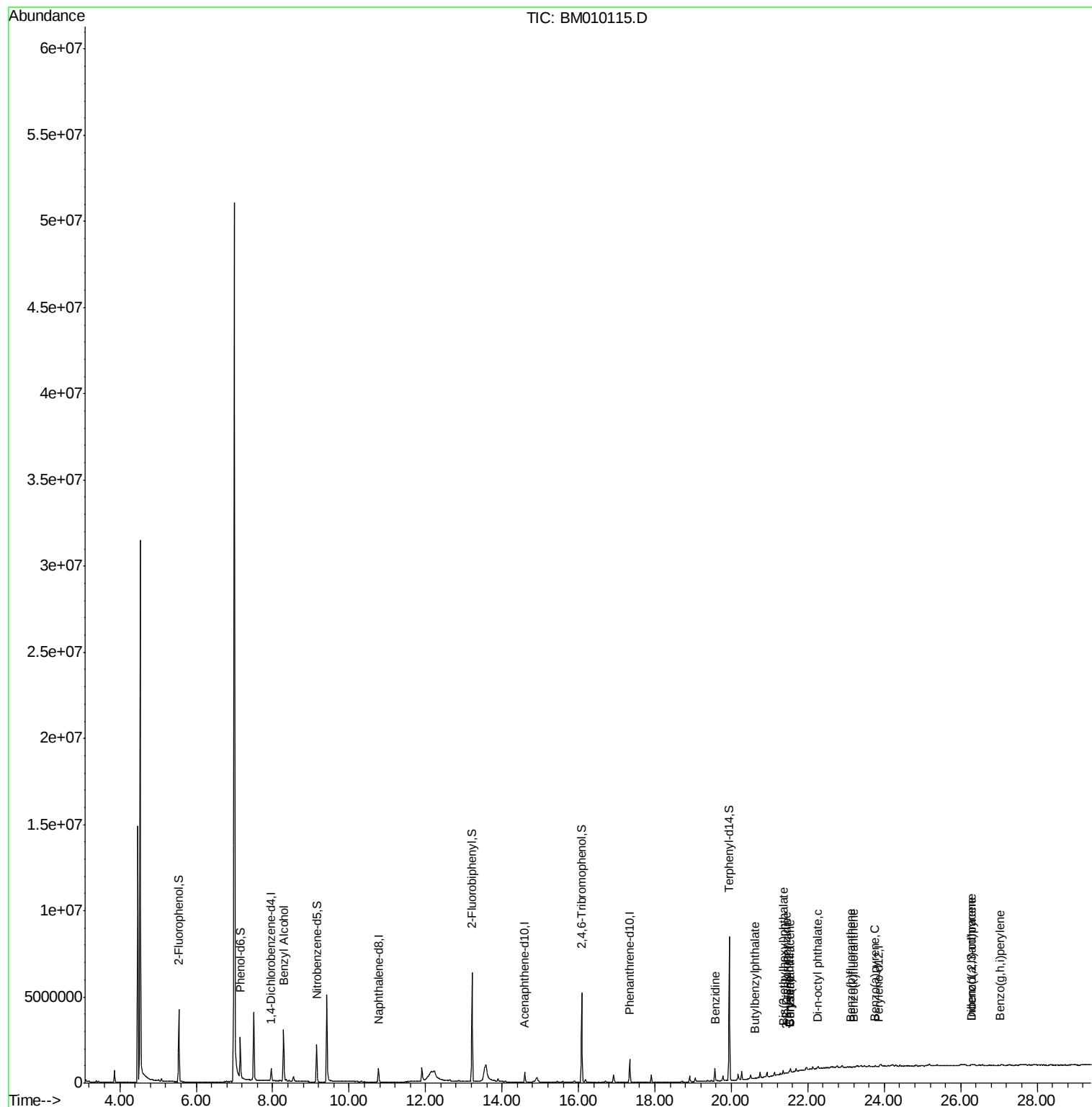
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.96	152	179039	20.00	ng	-0.01
21) Naphthalene-d8	10.77	136	595783	20.00	ng	-0.02
38) Acenaphthene-d10	14.59	164	145060	20.00	ng	-0.02
63) Phenanthrene-d10	17.34	188	602238	20.00	ng	-0.01
75) Chrysene-d12	21.50	240	5301	20.00	ng	-0.01
86) Perylene-d12	23.85	264	696	20.00	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.55	112	1494435	150.73	ng	-0.01
7) Phenol-d6	7.15	99	977892	76.65	ng	-0.02
23) Nitrobenzene-d5	9.15	82	1218580	110.35	ng	-0.02
41) 2,4,6-Tribromophenol	16.09	330	877965	398.50	ng	-0.01
44) 2-Fluorobiphenyl	13.22	172	3006545	266.45	ng	-0.02
78) Terphenyl-d14	19.94	244	750407	3218.79	ng	-0.01
Target Compounds						
15) Benzyl Alcohol	8.29	79	27406	2.84	ng	# 40
76) Benzidine	19.56	184	902	9.23	ng	# 1
79) Butylbenzylphthalate	20.61	149	993	9.44	ng	# 28
80) Benzo(a)anthracene	21.52	228	4126	14.12	ng	# 16
81) 3,3'-Dichlorobenzidine	21.43	252	2966	25.24	ng	# 89
82) Chrysene	21.52	228	4247	15.33	ng	# 24
83) Bis(2-ethylhexyl)phthalate	21.35	149	3865	24.57	ng	# 78
84) Di-n-octyl phthalate	22.27	149	3776	13.41	ng	# 95
85) Indeno(1,2,3-cd)pyrene	26.29	276	2801	6.89	ng	# 100
87) Benzo(b)fluoranthene	23.13	252	1059	26.00	ng	# 1
88) Benzo(k)fluoranthene	23.19	252	845	21.17	ng	# 1
89) Benzo(a)pyrene	23.75	252	1043	26.87	ng	# 1
90) Dibenzo(a,h)anthracene	26.27	278	2143	49.37	ng	# 1
91) Benzo(g,h,i)perylene	27.04	276	1941	45.64	ng	# 64

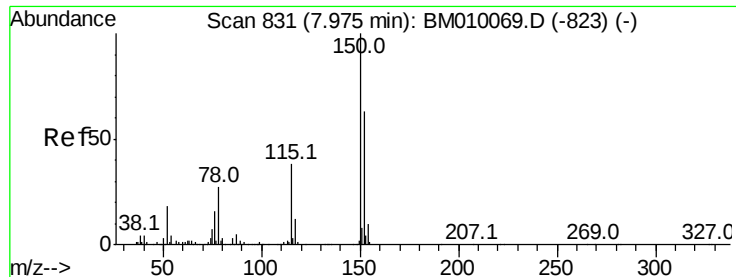
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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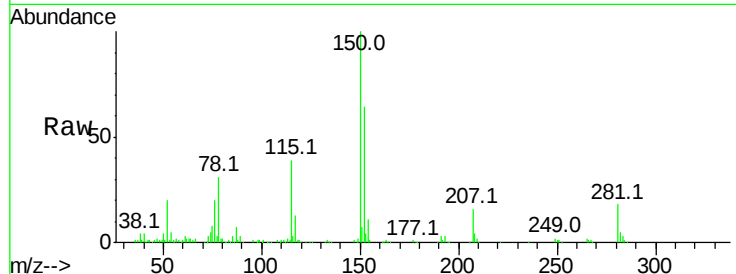


#1

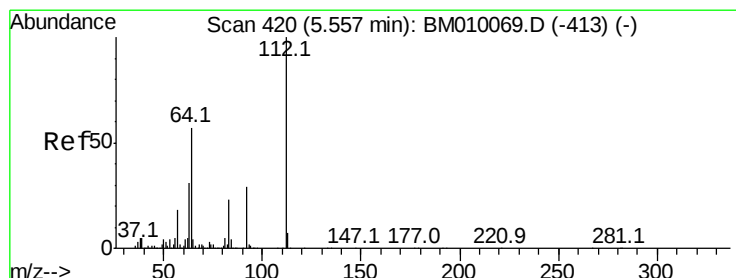
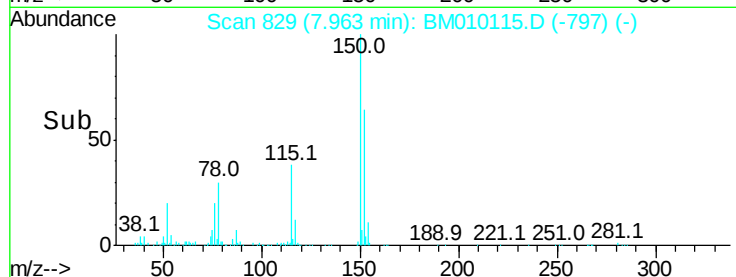
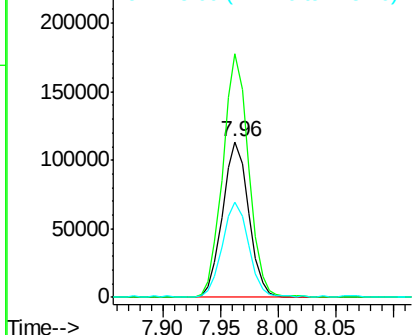
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.96 min Scan# 829
Delta R.T. -0.01 min
Lab File: BM010115.D
Acq: 22 May 2017 22:48

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	156.5	119.5	179.3
115	61.0	43.0	64.4



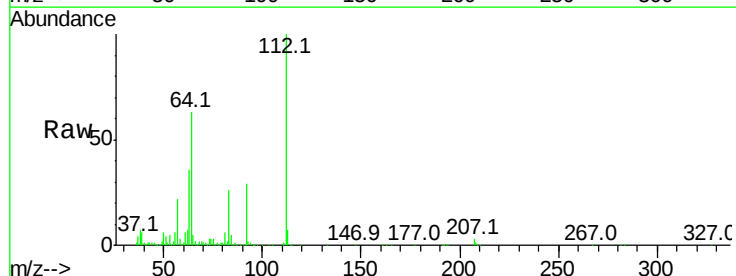
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



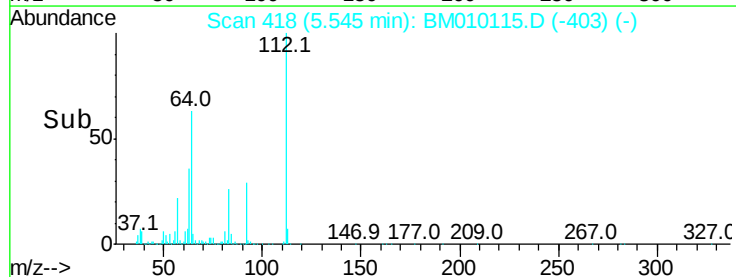
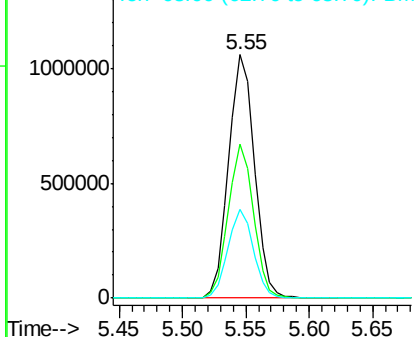
#5

2-Fluorophenol
Concen: 150.73 ng
RT: 5.55 min Scan# 418
Delta R.T. -0.01 min
Lab File: BM010115.D
Acq: 22 May 2017 22:48

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.2	38.6	57.8#
63	36.4	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: 76.65 ng

RT: 7.15 min Scan# 691

Delta R.T. -0.02 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

Instrument :

BNA_M

ClientSampleId :

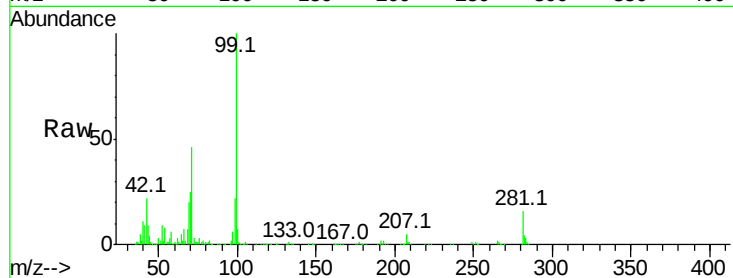
Tot Ion: 99 Resp: 977892

Ion Ratio Lower Upper

99 100

42 21.6 11.0 16.4#

71 46.3 23.4 35.2#

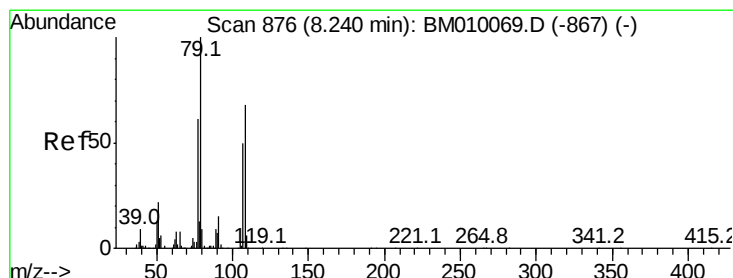
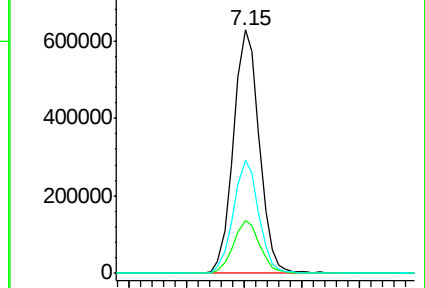
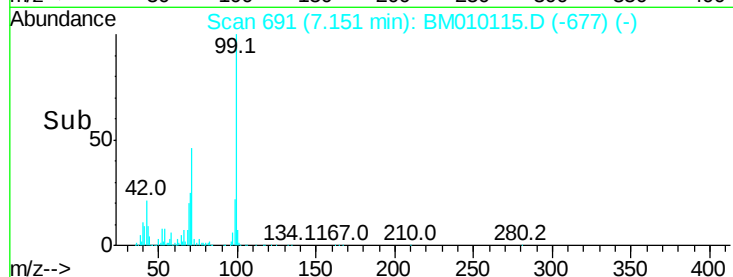


Abundance Ion 99.00 (98.70 to 99.70): BM010069.D (-686) (-)

Ion 42.00 (41.70 to 42.70): BM010069.D (-686) (-)

Ion 71.00 (70.70 to 71.70): BM010069.D (-686) (-)

7.15



#15

Benzyl Alcohol

Concen: 2.84 ng

RT: 8.29 min Scan# 884

Delta R.T. 0.05 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

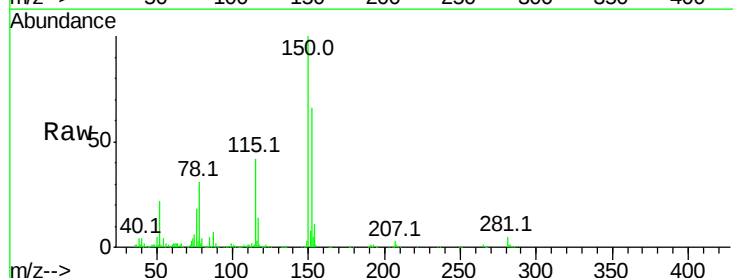
Tgt Ion: 79 Resp: 27406

Ion Ratio Lower Upper

79 100

108 41.6 65.0 97.4#

77 128.8 53.0 79.6#

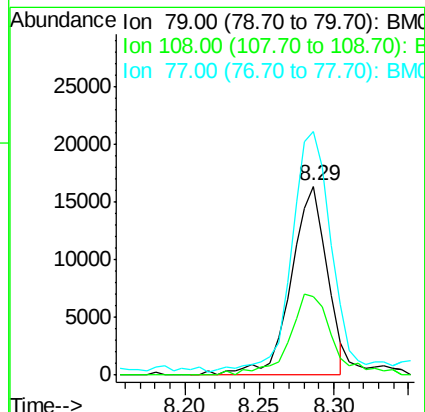
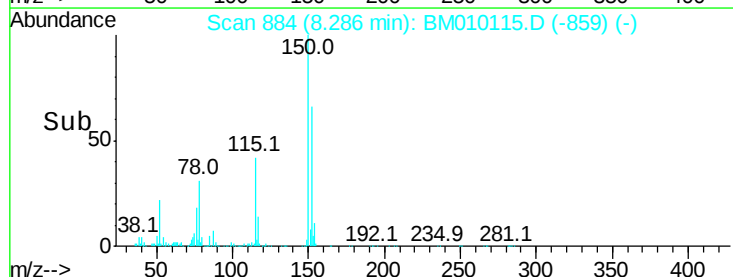


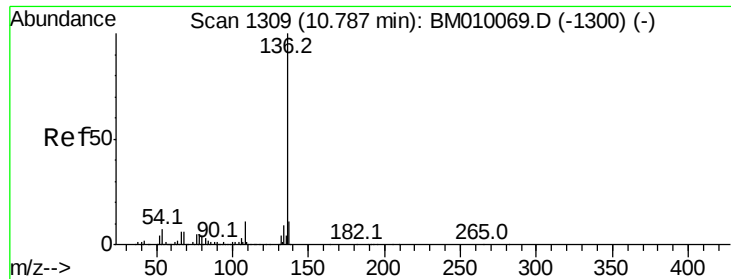
Abundance Ion 79.00 (78.70 to 79.70): BM010069.D (-867) (-)

Ion 108.00 (107.70 to 108.70): BM010069.D (-867) (-)

Ion 77.00 (76.70 to 77.70): BM010069.D (-867) (-)

8.29





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 10.77 min Scan# 1306

Delta R.T. -0.02 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

Instrument :

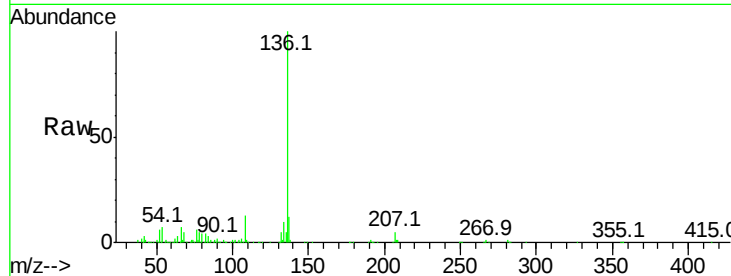
BNA_M

ClientSampled :

Tot Ion:136 Resp: 595783

Ion Ratio Lower Upper

136	100		
137	12.2	8.7	13.1
54	7.1	4.6	6.8#
68	5.3	3.7	5.5

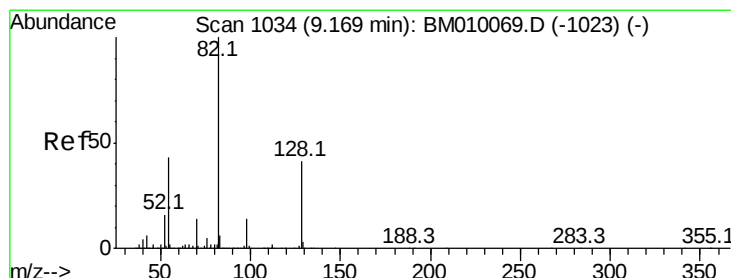
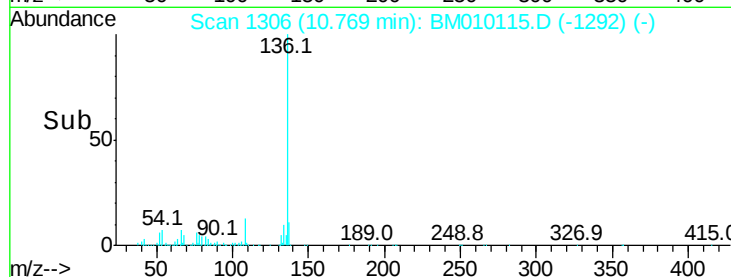
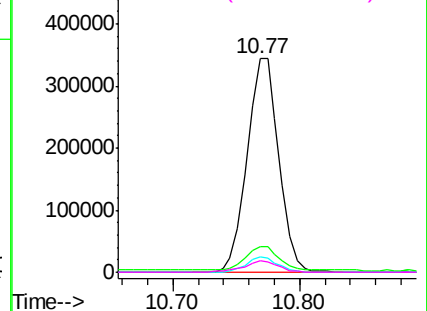


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 110.35 ng

RT: 9.15 min Scan# 1031

Delta R.T. -0.02 min

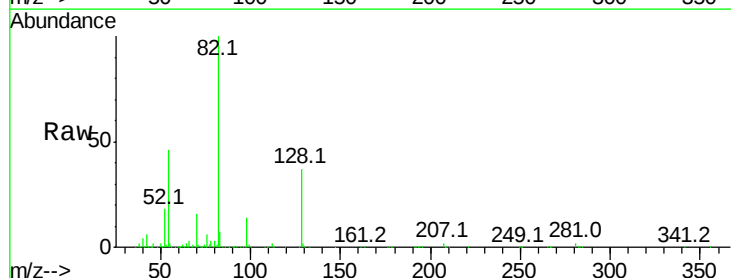
Lab File: BM010115.D

Acq: 22 May 2017 22:48

Tgt Ion: 82 Resp: 1218580

Ion Ratio Lower Upper

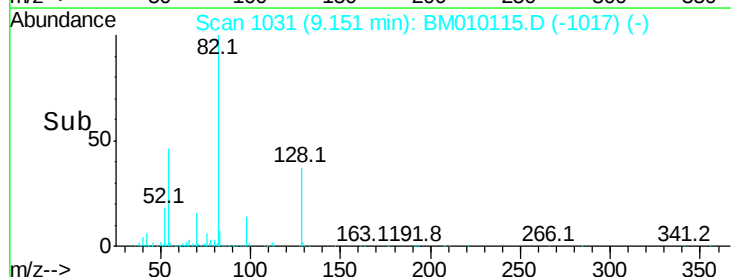
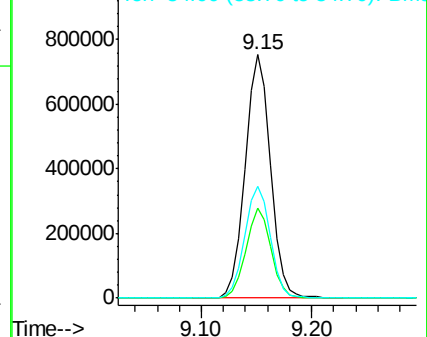
82	100		
128	37.2	32.8	49.2
54	46.1	40.6	60.8



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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 14.59 min Scan# 1956

Delta R.T. -0.02 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

Instrument :

BNA_M

ClientSampleId :

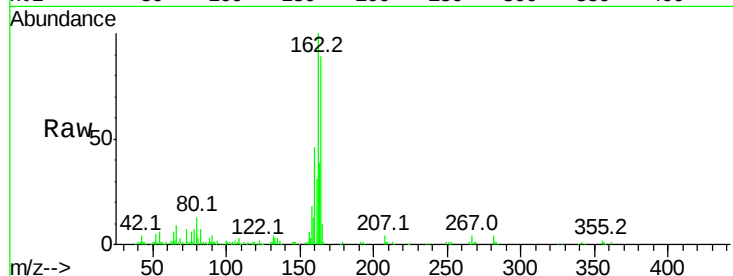
Tot Ion:164 Resp: 145060

Ion Ratio Lower Upper

164 100

162 112.5 82.4 123.6

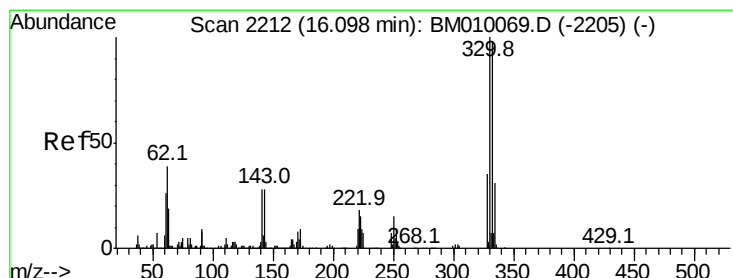
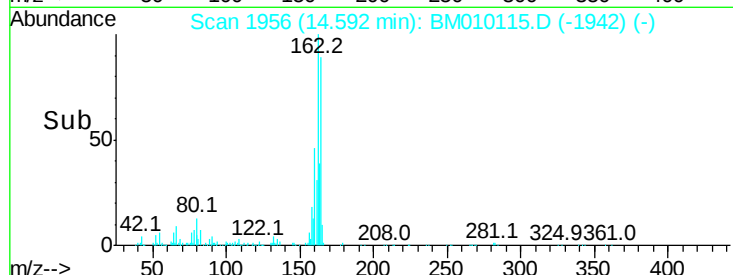
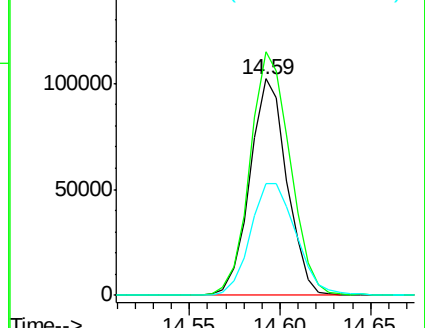
160 51.7 35.8 53.6



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



#41

2,4,6-Tribromophenol

Concen: 398.50 ng

RT: 16.09 min Scan# 2210

Delta R.T. -0.01 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

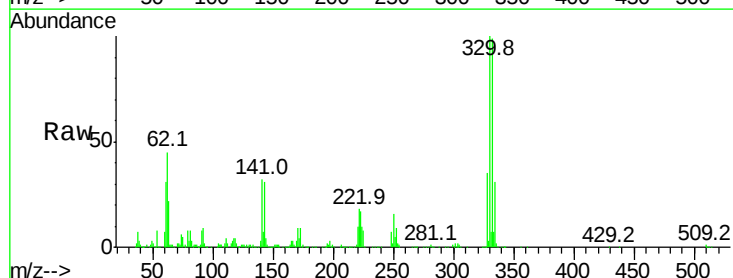
Tgt Ion:330 Resp: 877965

Ion Ratio Lower Upper

330 100

332 97.4 0.0 0.0#

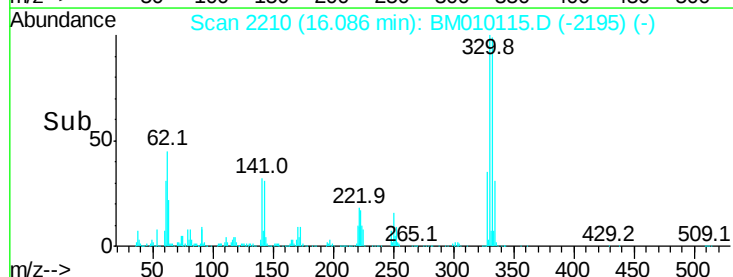
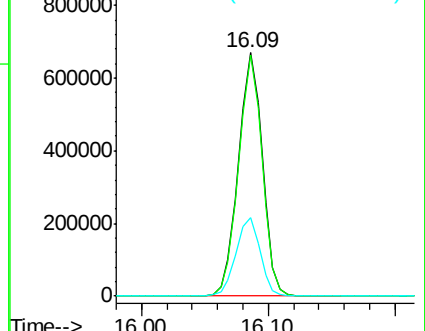
141 32.4 0.0 0.0#

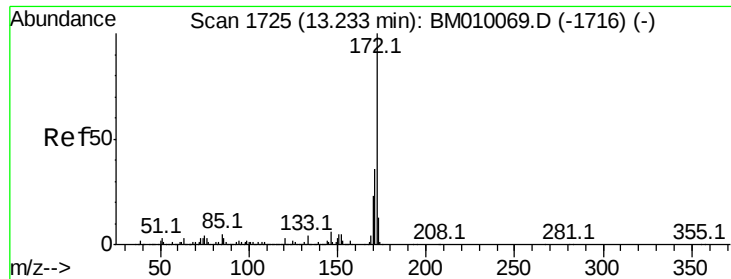


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

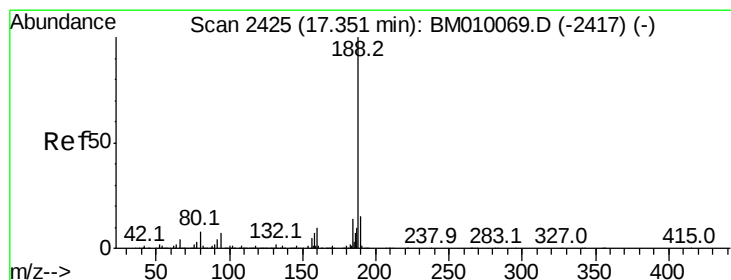
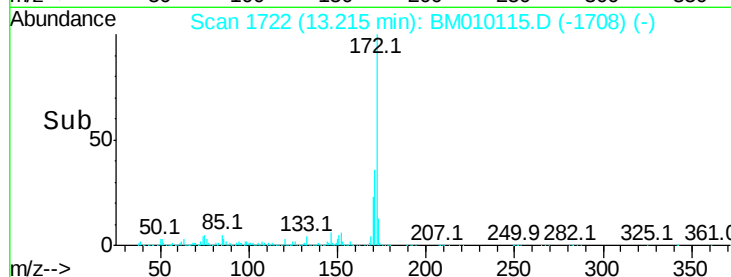
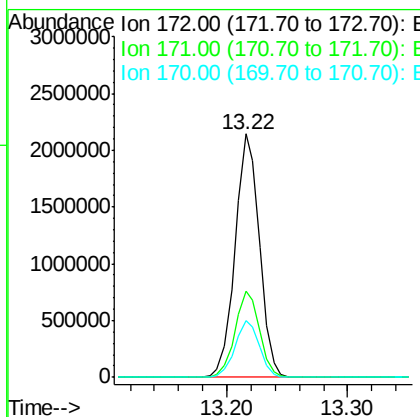
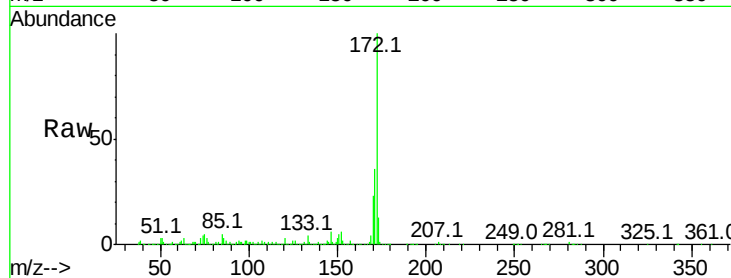




#44
2-Fluorobiphenyl
Concen: 266.45 ng
RT: 13.22 min Scan# 1722
Delta R.T. -0.02 min
Lab File: BM010115.D
Acq: 22 May 2017 22:48

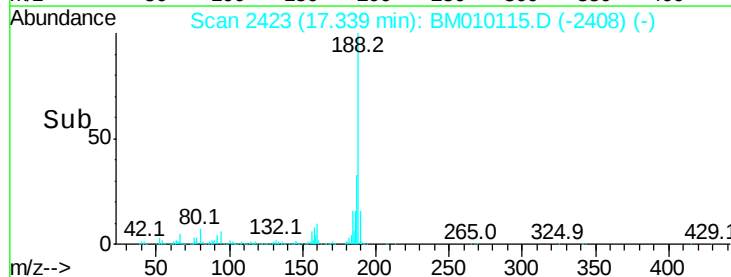
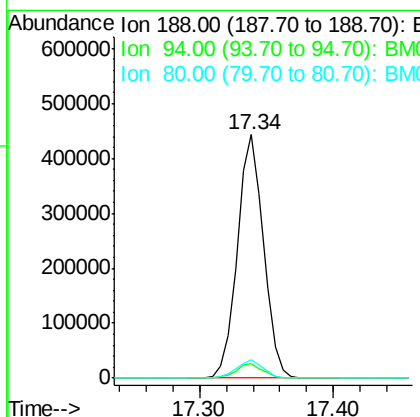
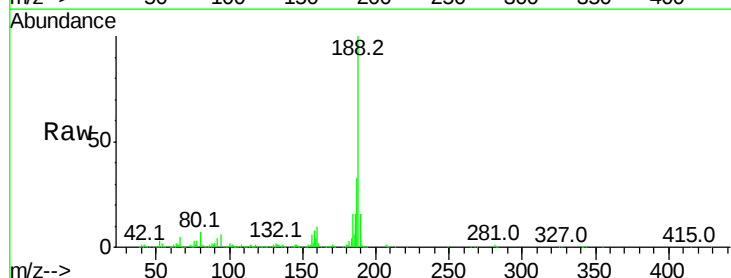
Instrument :
BNA_M
ClientSampled :

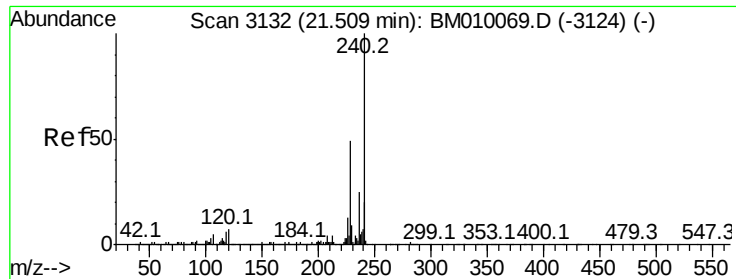
Tot Ion:172 Resp: 3006545
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.4 18.8 28.2



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.34 min Scan# 2423
Delta R.T. -0.01 min
Lab File: BM010115.D
Acq: 22 May 2017 22:48

Tgt Ion:188 Resp: 602238
Ion Ratio Lower Upper
188 100
94 6.0 8.7 13.1#
80 7.4 9.3 13.9#





#75

Chrysene-d12

Concen: 20.00 ng

RT: 21.50 min Scan# 3130

Delta R.T. -0.01 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

Instrument :

BNA_M

ClientSampleId :

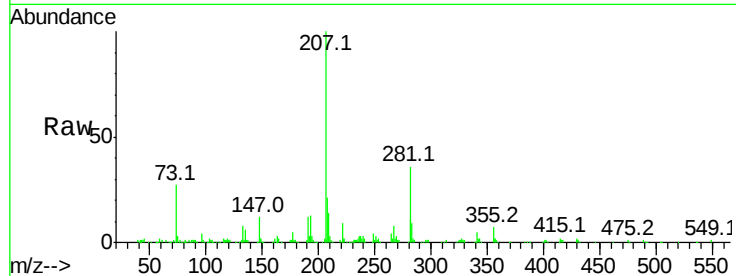
Tot Ion:240 Resp: 5301

Ion Ratio Lower Upper

240 100

120 29.0 8.2 12.2#

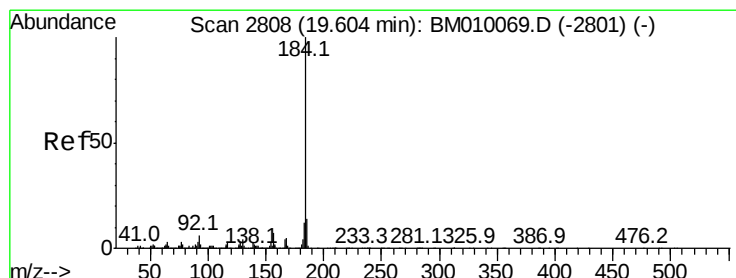
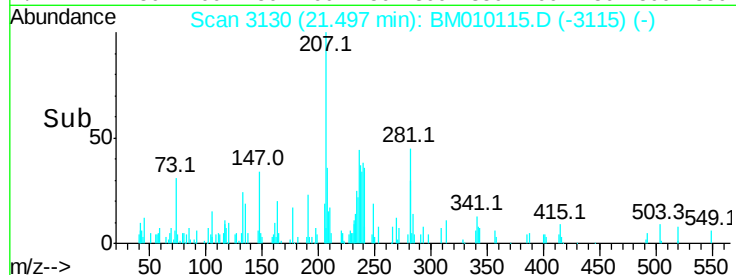
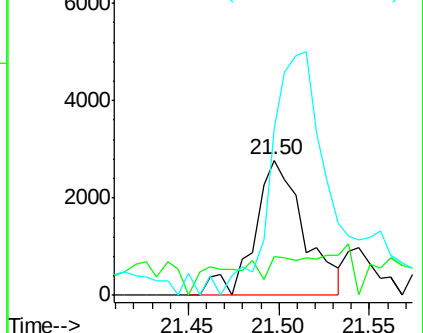
236 123.1 20.0 30.0#



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



#76

Benzidine

Concen: 9.23 ng

RT: 19.56 min Scan# 2801

Delta R.T. -0.04 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

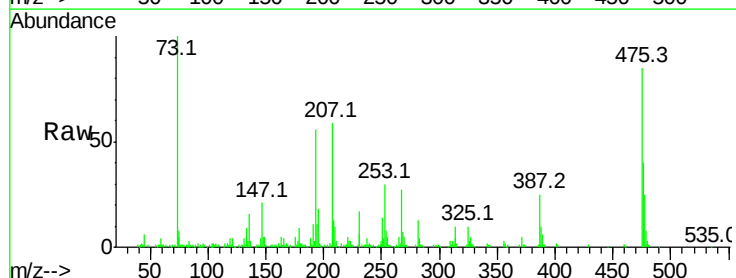
Tgt Ion:184 Resp: 902

Ion Ratio Lower Upper

184 100

185 40.3 11.3 16.9#

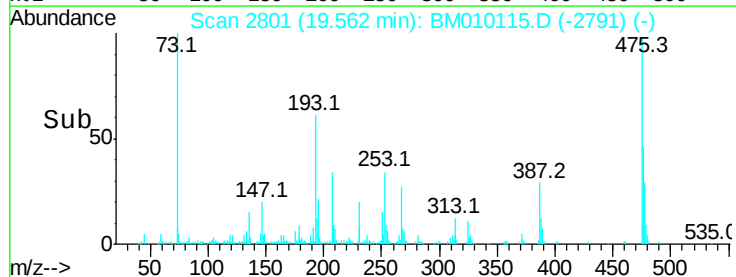
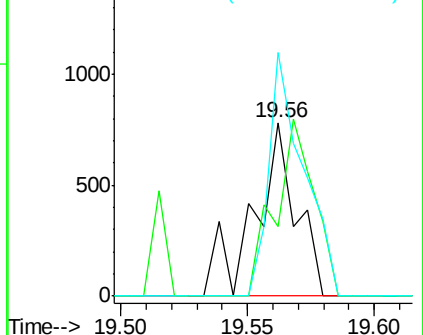
183 140.4 8.9 13.3#



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





#78

Terphenyl-d14

Concen: 3218.79 ng

RT: 19.94 min Scan# 2865

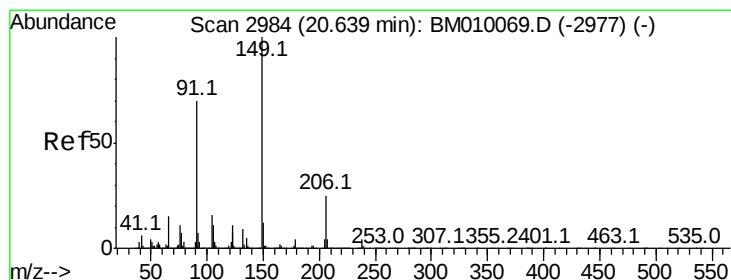
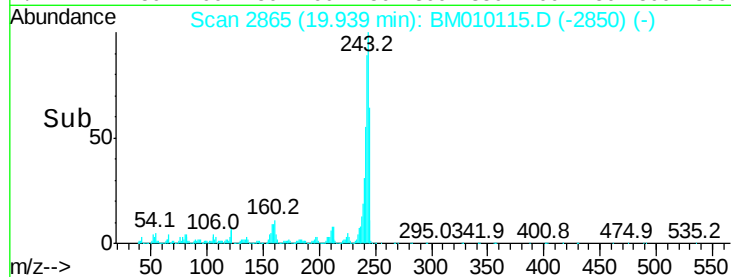
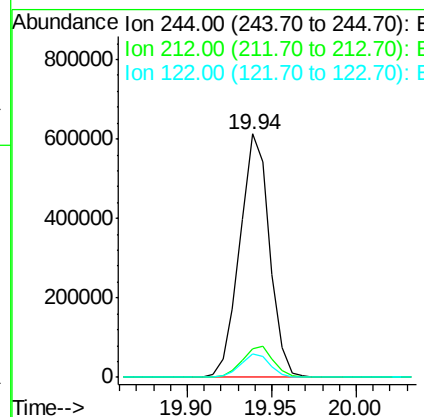
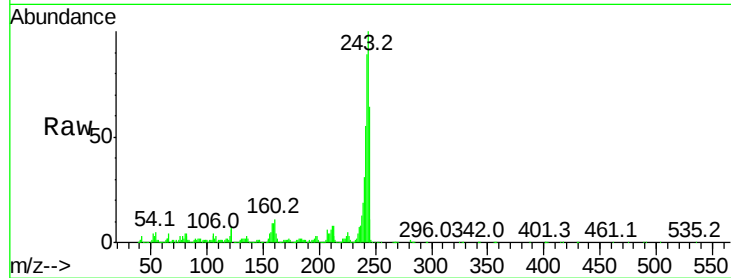
Delta R.T. -0.01 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

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Tot Ion	Ratio	Lower	Upper
244	100		
212	11.8	4.9	7.3#
122	9.4	6.2	9.4#



#79

Butylbenzylphthalate

Concen: 9.44 ng

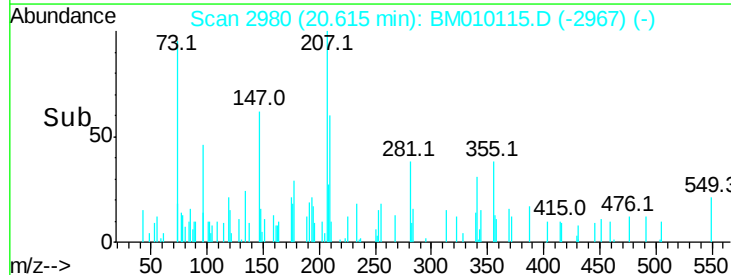
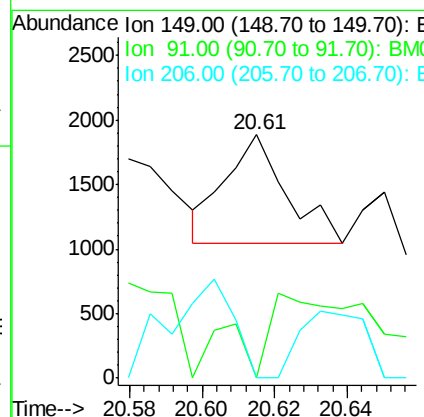
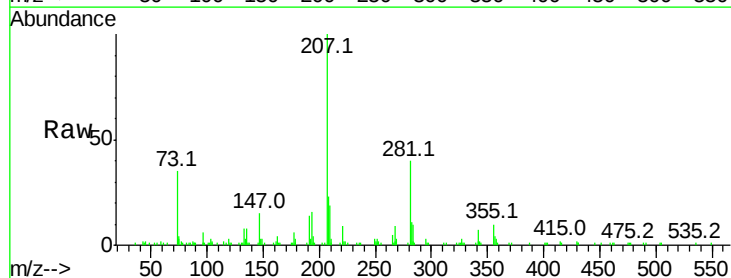
RT: 20.61 min Scan# 2980

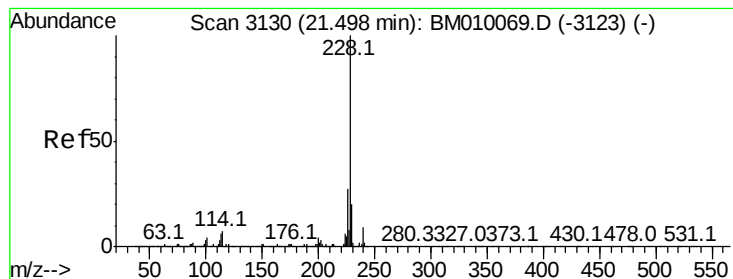
Delta R.T. -0.02 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

Tgt Ion	Ratio	Lower	Upper
149	100		
91	0.0	50.1	75.1#
206	0.0	16.2	24.2#





#80

Benzo(a)anthracene

Concen: 14.12 ng

RT: 21.52 min Scan# 3134

Delta R.T. 0.02 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

Instrument :

BNA_M

ClientSampleId :

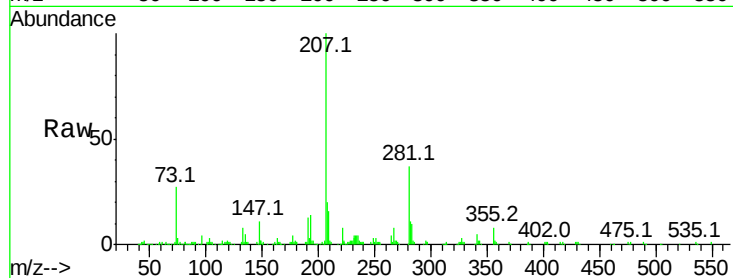
Tot Ion:228 Resp: 4126

Ion Ratio Lower Upper

228 100

226 33.4 21.7 32.5#

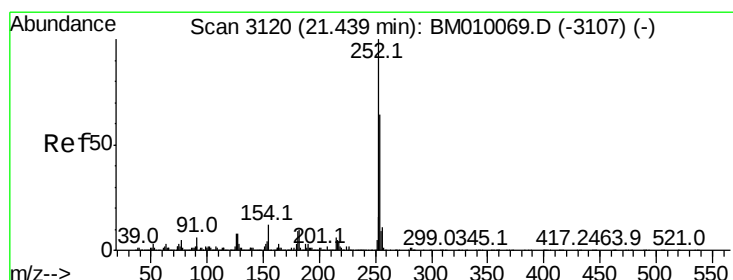
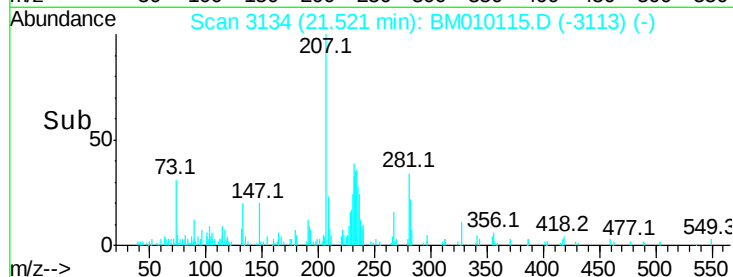
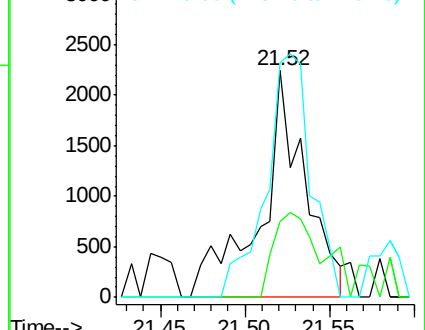
229 103.7 16.0 24.0#



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



#81

3,3'-Dichlorobenzidine

Concen: 25.24 ng

RT: 21.43 min Scan# 3119

Delta R.T. -0.01 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

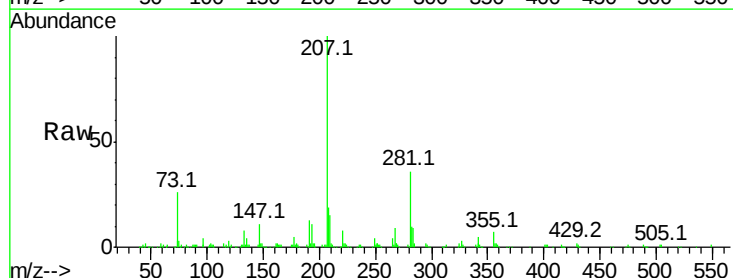
Tgt Ion:252 Resp: 2966

Ion Ratio Lower Upper

252 100

254 56.1 51.9 77.9

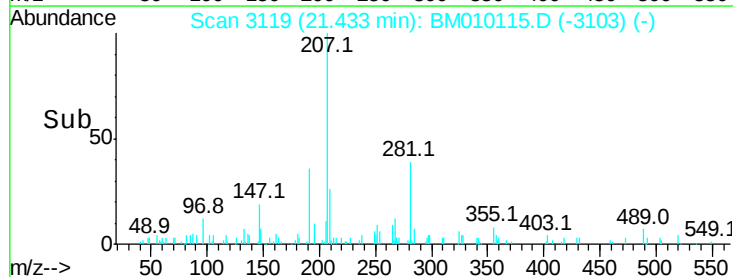
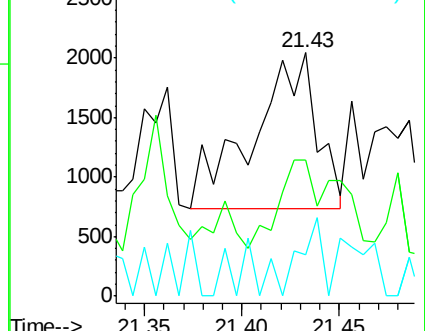
126 16.9 9.8 14.8#

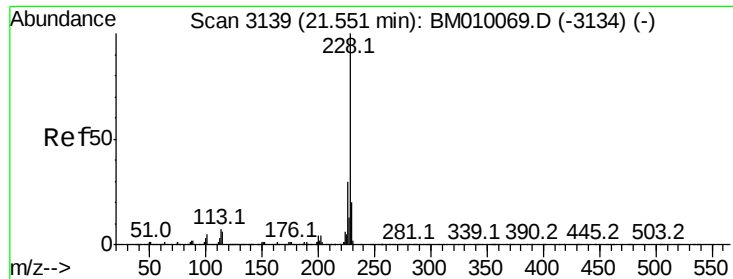


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E

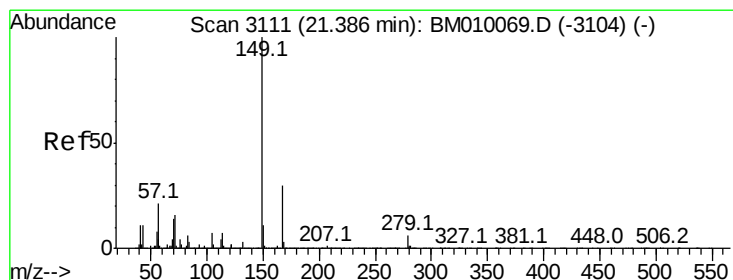
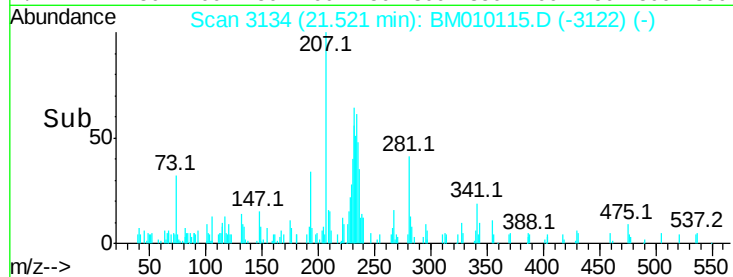
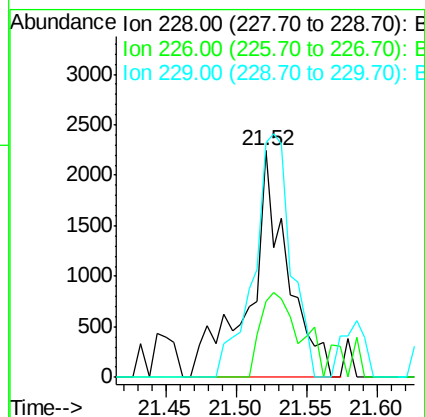
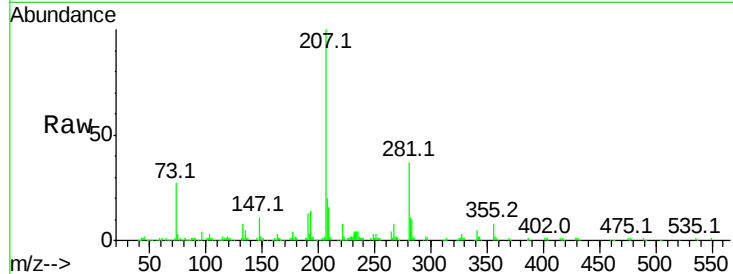




#82
 Chrysene
 Concen: 15.33 ng
 RT: 21.52 min Scan# 3134
 Delta R.T. -0.03 min
 Lab File: BM010115.D
 Acq: 22 May 2017 22:48

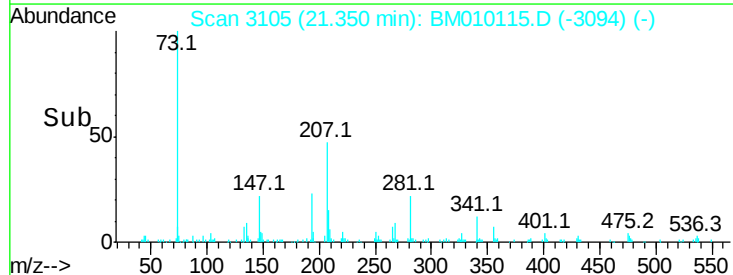
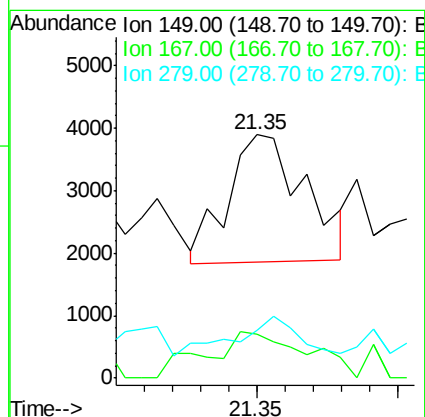
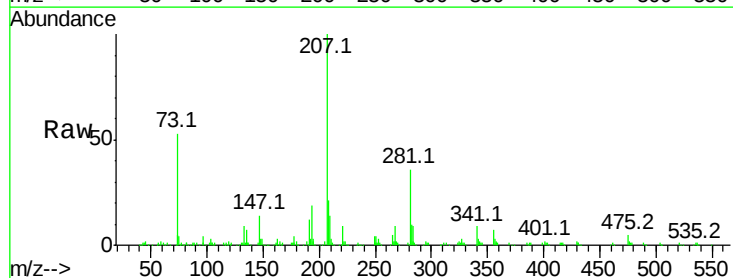
Instrument :
 BNA_M
 ClientSampleId :

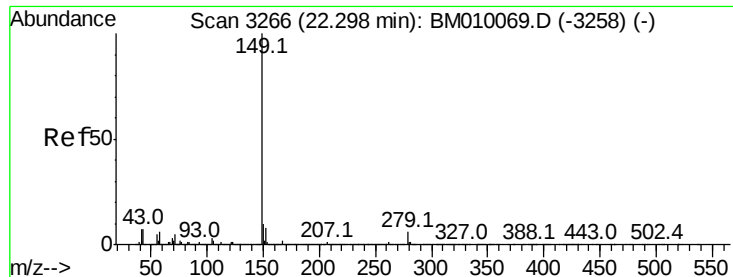
Tot Ion:228 Resp: 4247
 Ion Ratio Lower Upper
 228 100
 226 33.4 24.1 36.1
 229 103.7 15.5 23.3#



#83
 Bis(2-ethylhexyl)phthalate
 Concen: 24.57 ng
 RT: 21.35 min Scan# 3105
 Delta R.T. -0.04 min
 Lab File: BM010115.D
 Acq: 22 May 2017 22:48

Tgt Ion:149 Resp: 3865
 Ion Ratio Lower Upper
 149 100
 167 18.3 22.4 33.6#
 279 19.6 3.4 5.0#





#84

Di-n-octyl phthalate

Concen: 13.41 ng

RT: 22.27 min Scan# 3261

Delta R.T. -0.03 min

Lab File: BM010115.D

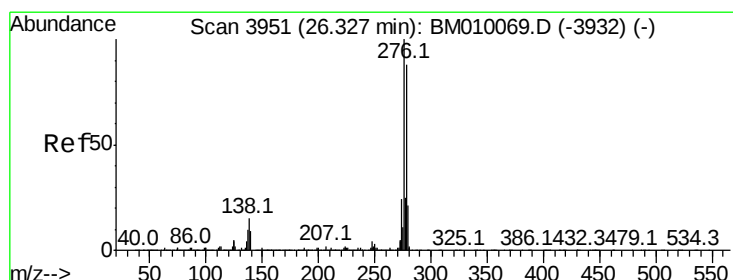
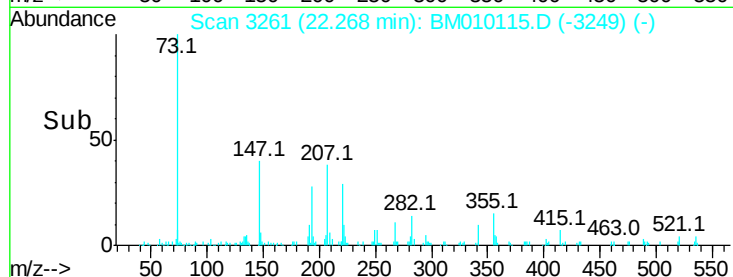
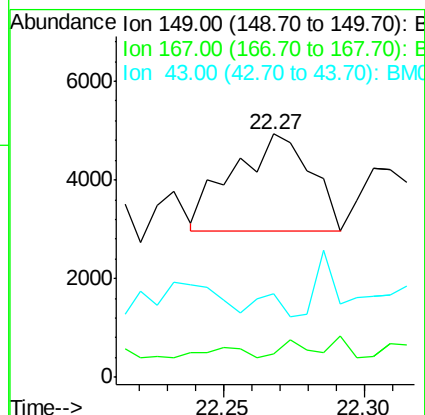
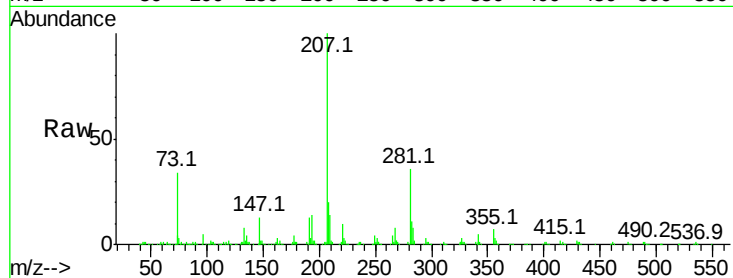
Acq: 22 May 2017 22:48

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	149	Resp:	3776
Ion	Ratio	Lower	Upper
149	100		
167	8.7	1.2	1.8#
43	8.0	7.3	10.9



#85

Indeno(1,2,3-cd)pyrene

Concen: 6.89 ng

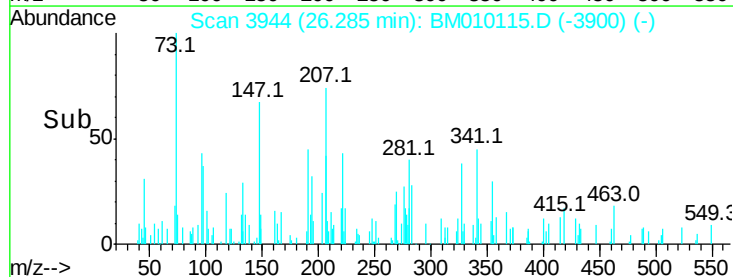
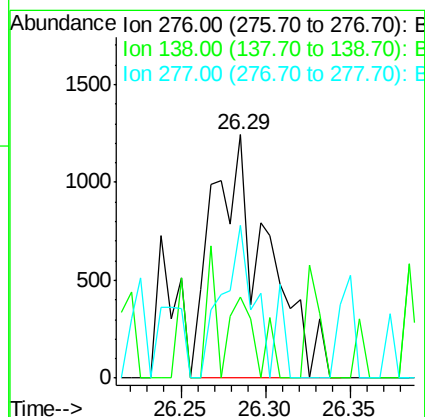
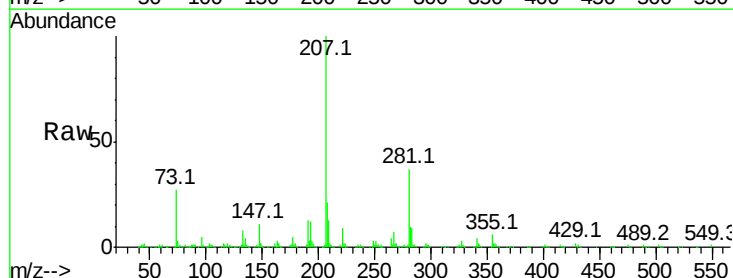
RT: 26.29 min Scan# 3944

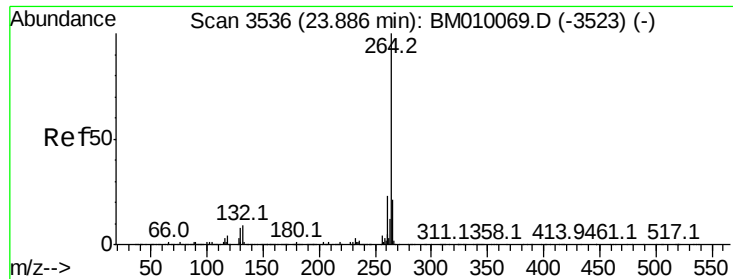
Delta R.T. -0.04 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

Tgt Ion:	276	Resp:	2801
Ion	Ratio	Lower	Upper
276	100		
138	17.0	0.0	0.0#
277	41.3	0.0	0.0#





#86

Pervlene-d12

Concen: 20.00 ng

RT: 23.85 min Scan# 3530

Delta R.T. -0.04 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

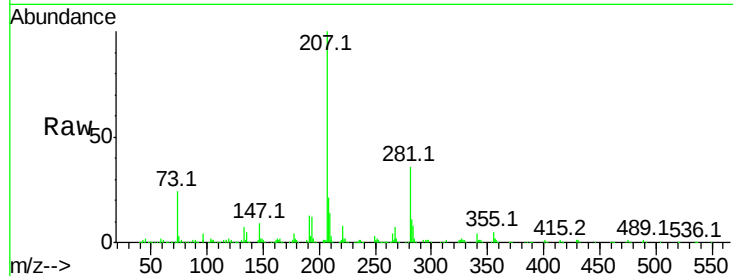
Instrument :

BNA_M

ClientSampled :

Tot Ion:264 Resp: 696

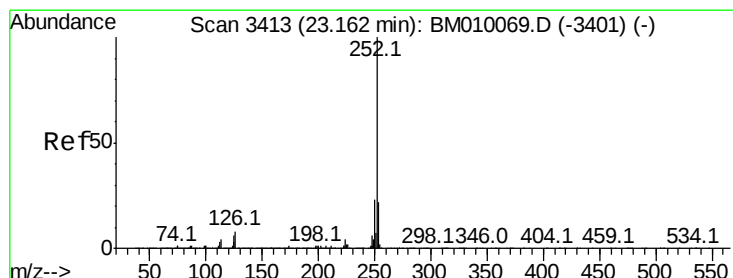
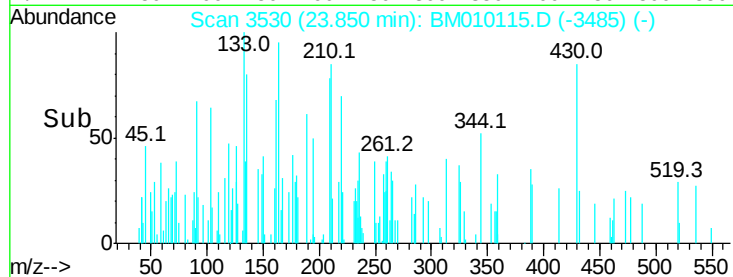
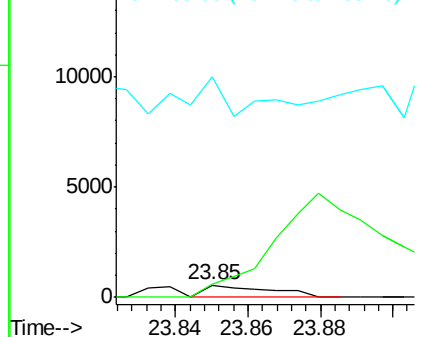
Ion	Ratio	Lower	Upper
264	100		
260	112.1	18.6	27.8#
265	1802.3	17.3	25.9#



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: 26.00 ng

RT: 23.13 min Scan# 3408

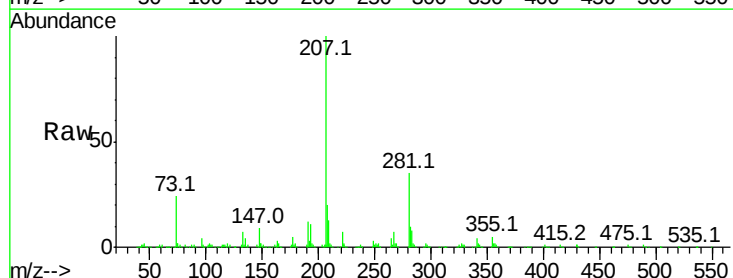
Delta R.T. -0.03 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

Tgt Ion:252 Resp: 1059

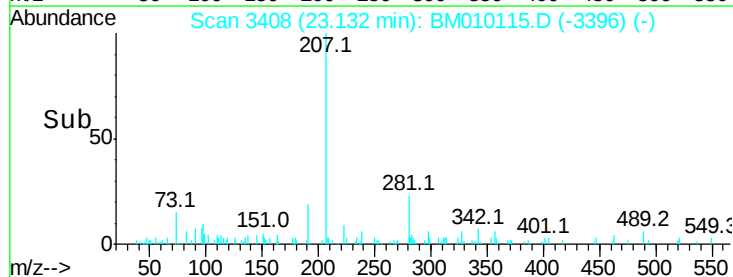
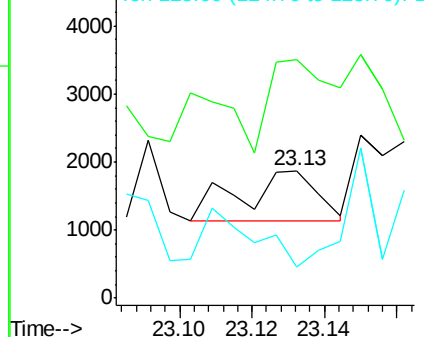
Ion	Ratio	Lower	Upper
252	100		
253	187.6	18.0	27.0#
125	44.8	9.9	14.9#

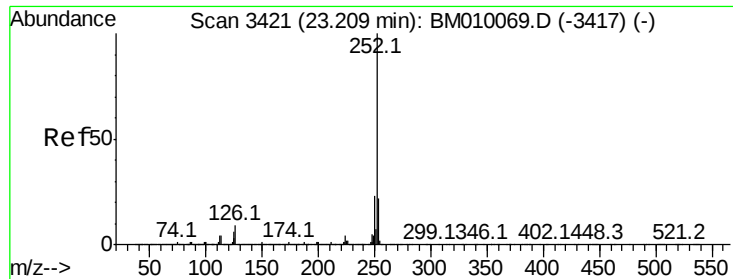


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#88

Benzo(k)fluoranthene

Concen: 21.17 ng

RT: 23.19 min Scan# 3418

Delta R.T. -0.02 min

Lab File: BM010115.D

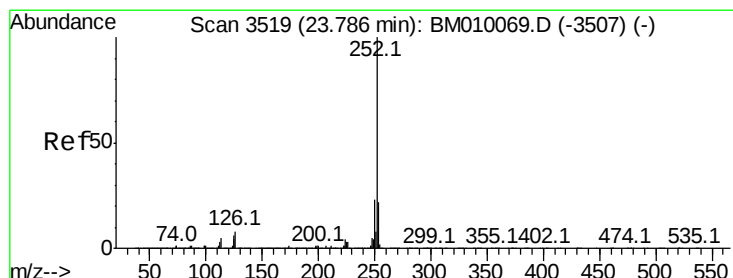
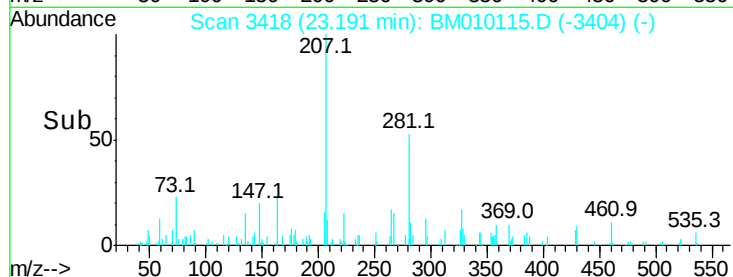
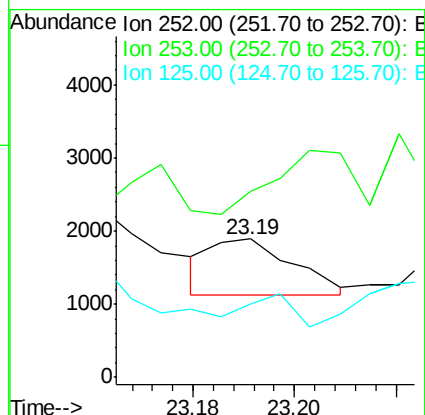
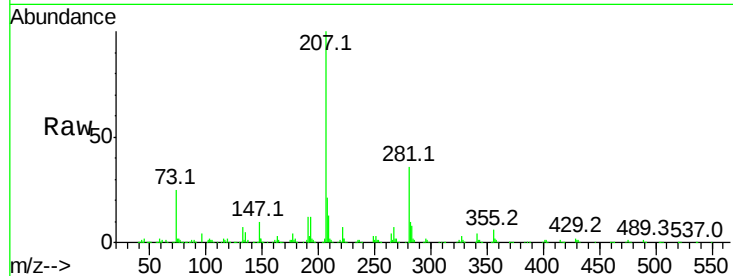
Acq: 22 May 2017 22:48

Instrument :

BNA_M

ClientSampled :

Tot Ion:	252	Resp:	845
Ion	Ratio	Lower	Upper
252	100		
253	134.3	17.2	25.8#
125	52.5	8.1	12.1#



#89

Benzo(a)pyrene

Concen: 26.87 ng

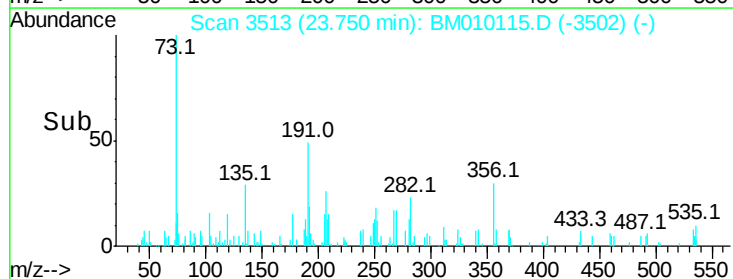
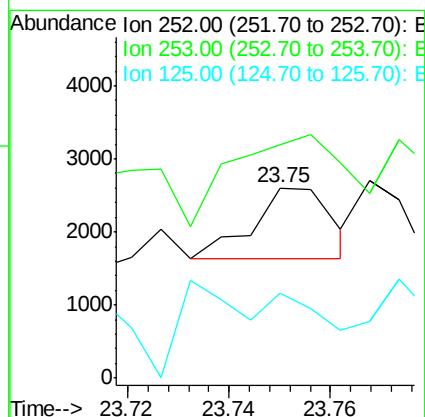
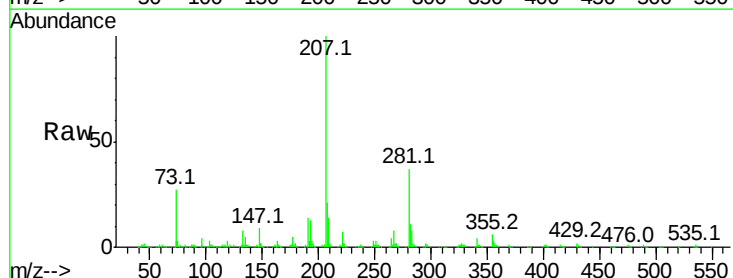
RT: 23.75 min Scan# 3513

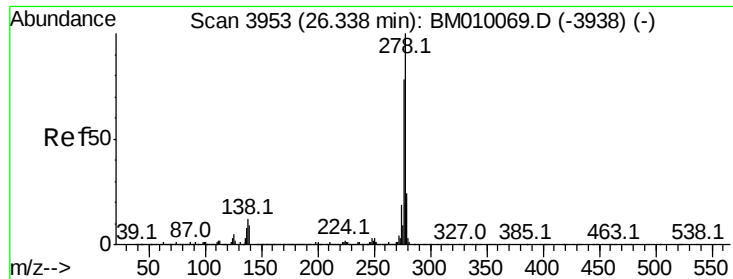
Delta R.T. -0.04 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

Tgt Ion:	252	Resp:	1043
Ion	Ratio	Lower	Upper
252	100		
253	123.1	17.6	26.4#
125	44.7	7.4	11.2#





#90

Dibenzo(a,h)anthracene

Concen: 49.37 ng

RT: 26.27 min Scan# 3942

Delta R.T. -0.06 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

Instrument :

BNA_M

ClientSampled :

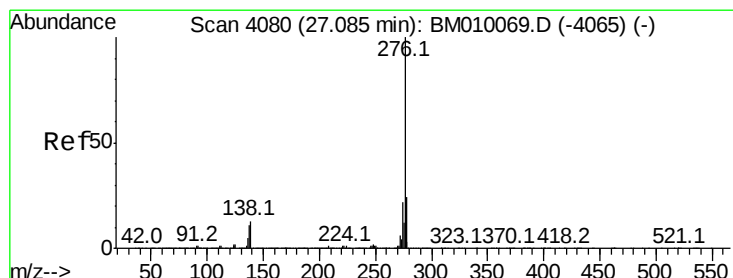
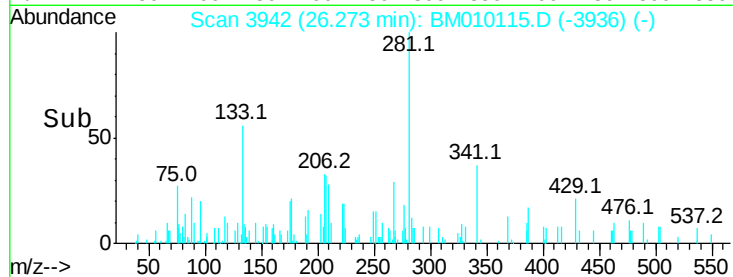
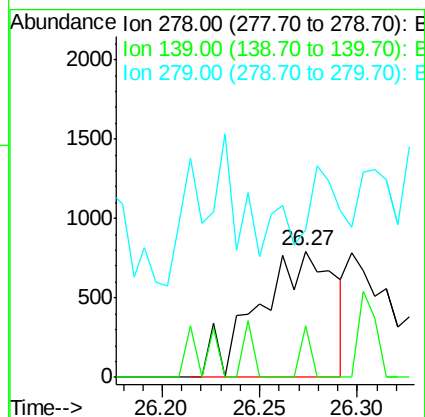
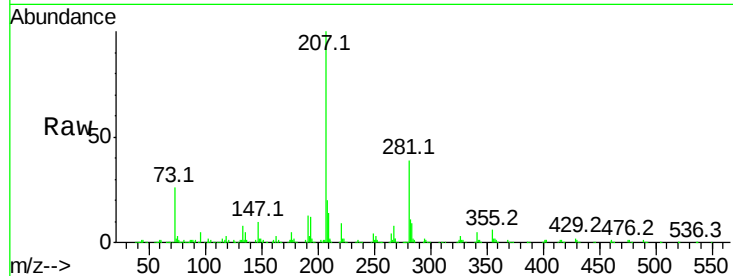
Tot Ion:278 Resp: 2143

Ion Ratio Lower Upper

278 100

139 40.5 13.4 20.0#

279 116.7 19.0 28.4#



#91

Benzo(g,h,i)perylene

Concen: 45.64 ng

RT: 27.04 min Scan# 4072

Delta R.T. -0.05 min

Lab File: BM010115.D

Acq: 22 May 2017 22:48

Tgt Ion:276 Resp: 1941

Ion Ratio Lower Upper

276 100

277 34.0 18.5 27.7#

138 0.0 19.0 28.6#

