

Data Path : Z:\HPCHEM1\BNA_M\DATA\BM080517\
 Data File : BM011143.D
 Acq On : 05 Aug 2017 15:42
 Operator : SJ/JU
 Sample : I4562-24RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JC-02-080117-HRE

Quant Time: Aug 06 01:18:02 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

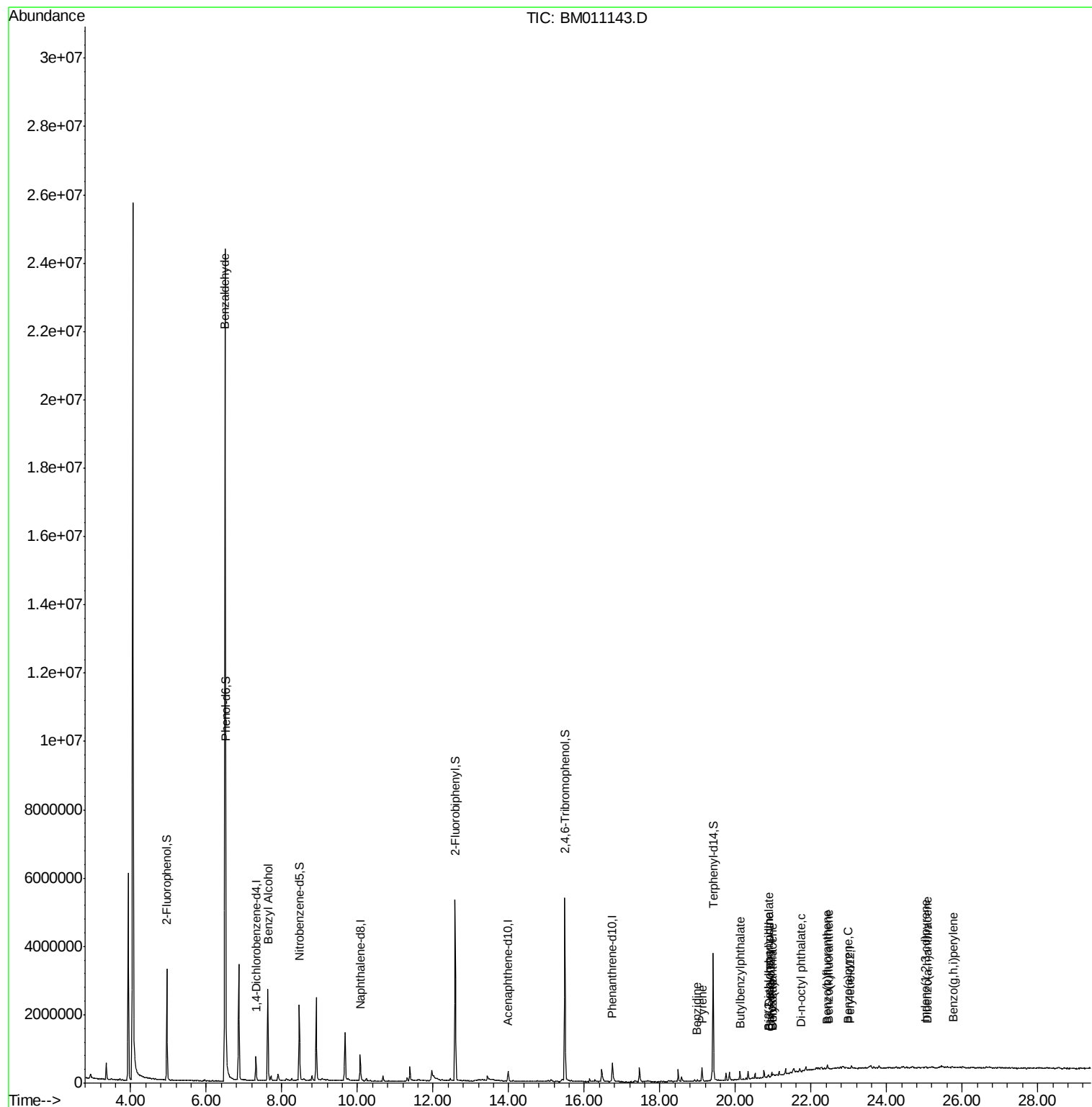
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	127894	20.00	ng	-0.08
21) Naphthalene-d8	10.07	136	392045	20.00	ng	-0.08
38) Acenaphthene-d10	13.98	164	62699	20.00	ng	-0.07
63) Phenanthrene-d10	16.74	188	236796	20.00	ng	-0.06
75) Chrysene-d12	20.93	240	153	20.00	ng	-0.09
86) Perylene-d12	23.04	264	197	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	904243	119.52	ng	-0.07
7) Phenol-d6	6.52	99	360420	33.53	ng	-0.08
23) Nitrobenzene-d5	8.46	82	1218327	116.63	ng	-0.08
41) 2,4,6-Tribromophenol	15.49	330	710448	706.96	ng	-0.07
44) 2-Fluorobiphenyl	12.59	172	2330768	466.21	ng	-0.08
78) Terphenyl-d14	19.41	244	596922	77282.71	ng	-0.06
Target Compounds						
9) Benzaldehyde	6.49	77	24397	3.508	ng	# 3
15) Benzyl Alcohol	7.63	79	23108	2.241	ng	# 32
76) Benzidine	19.00	184	300	81.963	ng	# 1
77) Pyrene	19.12	202	121	13.310	ng	# 57
79) Butylbenzylphthalate	20.11	149	3571	1104.628	ng	# 55
80) Benzo(a)anthracene	20.99	228	151	17.284	ng	# 51
81) 3,3'-Dichlorobenzidine	20.88	252	476	138.890	ng	# 1
82) Chrysene	20.99	228	151	18.006	ng	# 50
83) Bis(2-ethylhexyl)phthalate	20.89	149	1446	304.051	ng	# 47
84) Di-n-octyl phthalate	21.73	149	968	125.410	ng	# 1
85) Indeno(1,2,3-cd)pyrene	25.03	276	130	14.968	ng	# 1
87) Benzo(b)fluoranthene	22.40	252	1212	95.858	ng	# 1
88) Benzo(k)fluoranthene	22.47	252	1032	85.159	ng	# 1
89) Benzo(a)pyrene	22.97	252	811	70.886	ng	# 32
90) Dibenzo(a,h)anthracene	25.09	278	171	16.123	ng	# 1
91) Benzo(g,h,i)perylene	25.78	276	132	12.674	ng	# 52

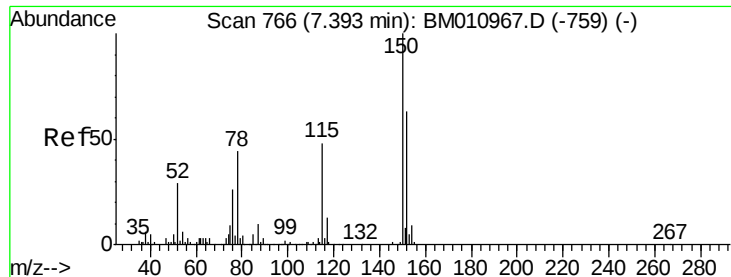
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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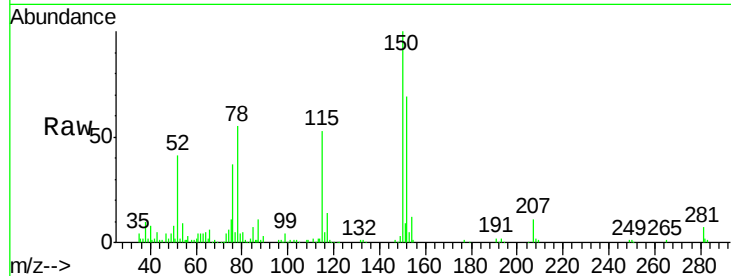


#1

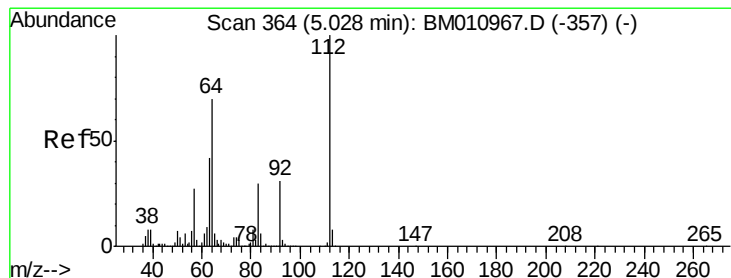
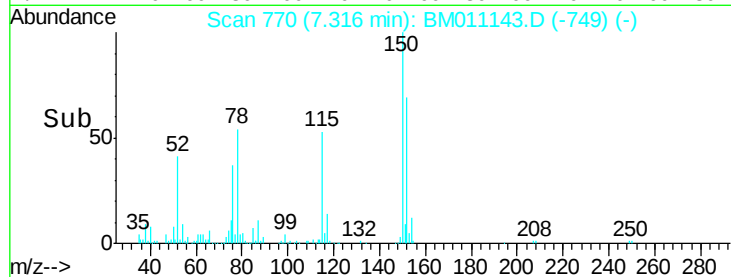
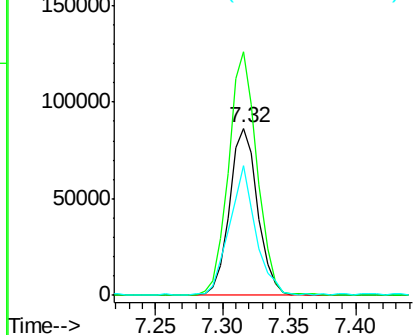
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.32 min Scan# 770
Delta R.T. -0.08 min
Lab File: BM011143.D
Acq: 05 Aug 2017 15:42

Instrument :
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ClientSampleId :
JC-02-080117-HRE

Tgt Ion	Ratio	Lower	Upper
152	100		
150	145.7	119.5	179.3
115	77.4	43.0	64.4



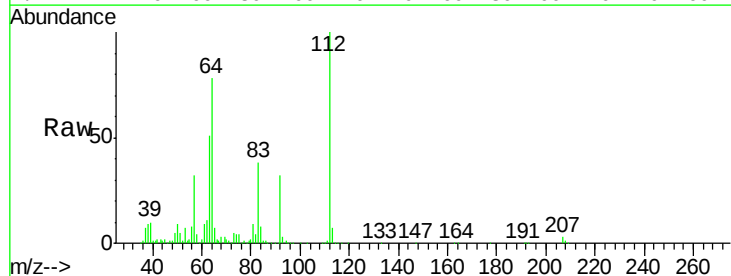
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



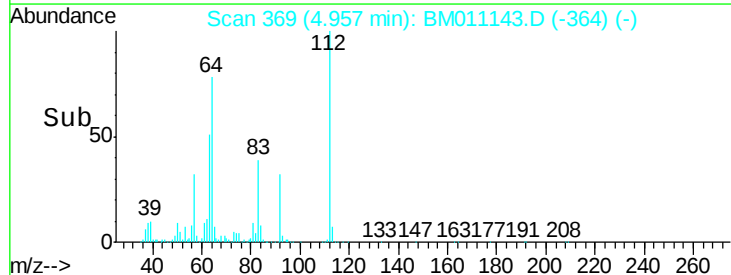
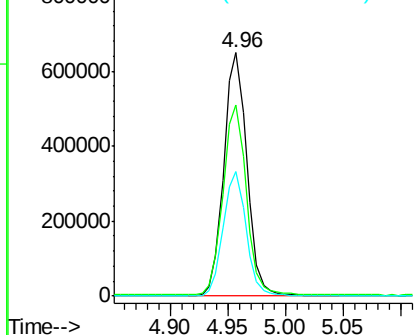
#5

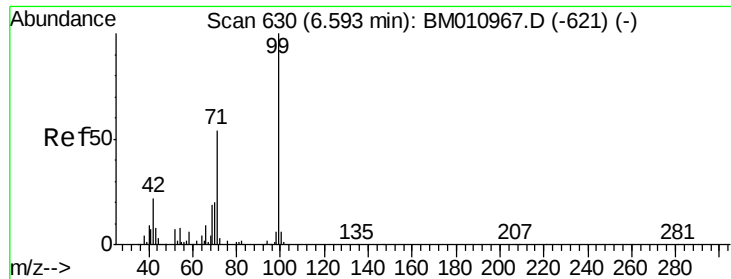
2-Fluorophenol
Concen: 119.518 ng
RT: 4.96 min Scan# 369
Delta R.T. -0.07 min
Lab File: BM011143.D
Acq: 05 Aug 2017 15:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	78.3	38.6	57.8
63	51.3	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: 33.529 ng

RT: 6.52 min Scan# 634

Delta R.T. -0.08 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

Instrument :

BNA_M

ClientSampleId :

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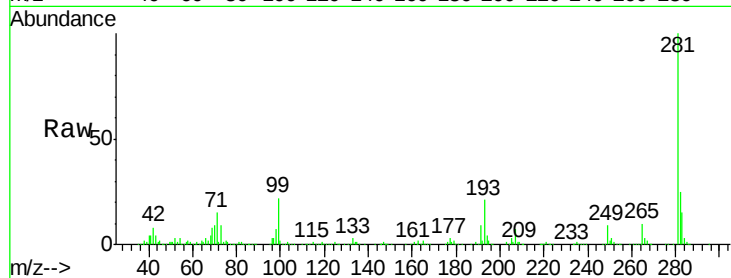
Tgt Ion: 99 Resp: 360420

Ion Ratio Lower Upper

99 100

42 35.2 11.0 16.4#

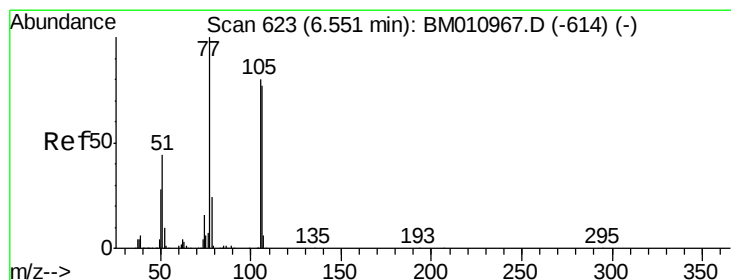
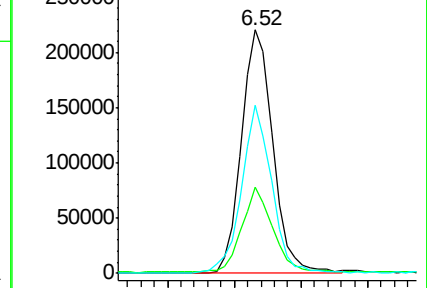
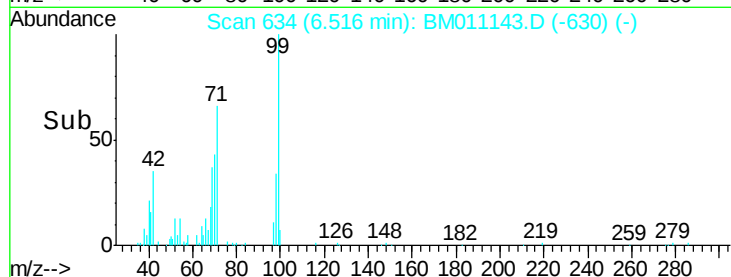
71 69.0 23.4 35.2#



Abundance Ion 99.00 (98.70 to 99.70): BM011143.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM011143.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM011143.D (-630) (-)



#9

Benzaldehyde

Concen: 3.508 ng

RT: 6.49 min Scan# 629

Delta R.T. -0.06 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

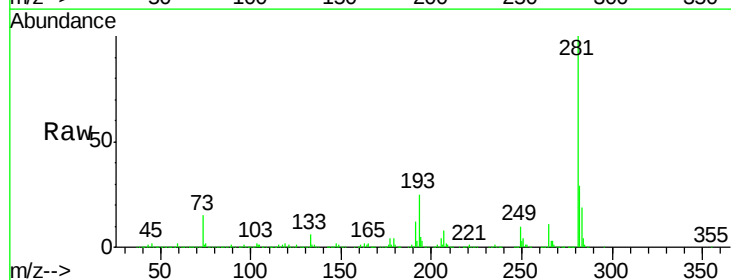
Tgt Ion: 77 Resp: 24397

Ion Ratio Lower Upper

77 100

105 239.0 78.8 118.8#

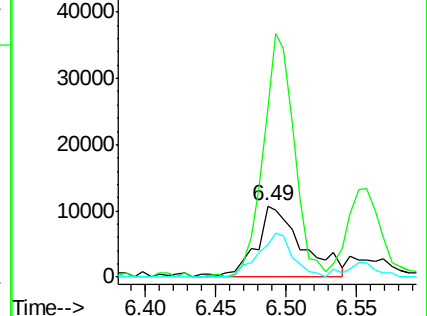
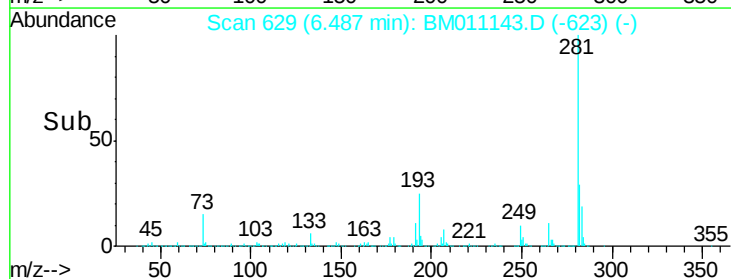
106 45.0 73.7 113.7#

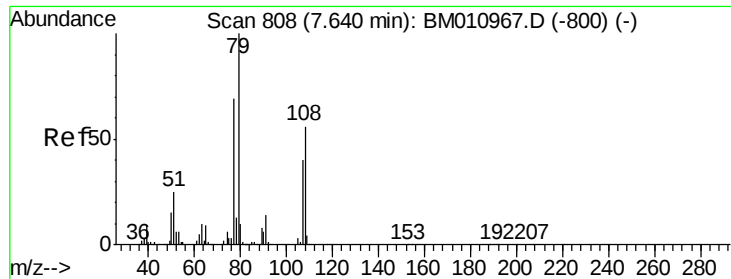


Abundance Ion 77.00 (76.70 to 77.70): BM011143.D (-623) (-)

Ion 105.00 (104.70 to 105.70): BM011143.D (-623) (-)

Ion 106.00 (105.70 to 106.70): BM011143.D (-623) (-)





#15

Benzyl Alcohol

Concen: 2.241 ng

RT: 7.63 min Scan# 823

Delta R.T. -0.01 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

Instrument :

BNA_M

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JC-02-080117-HRE

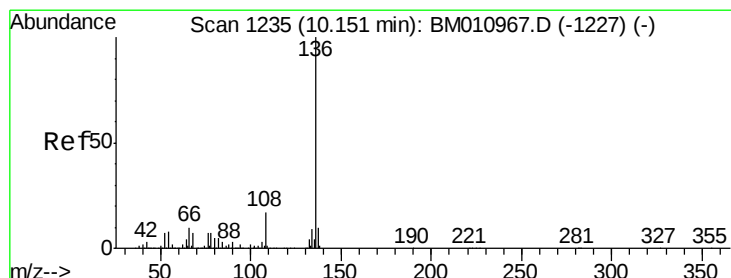
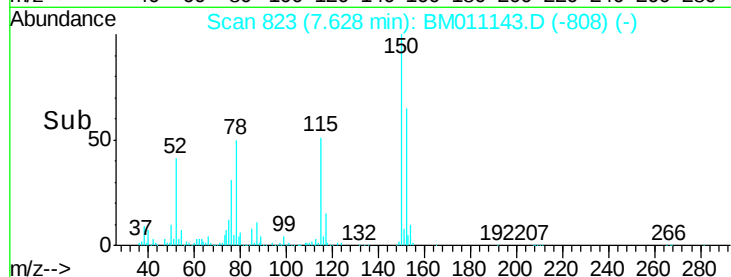
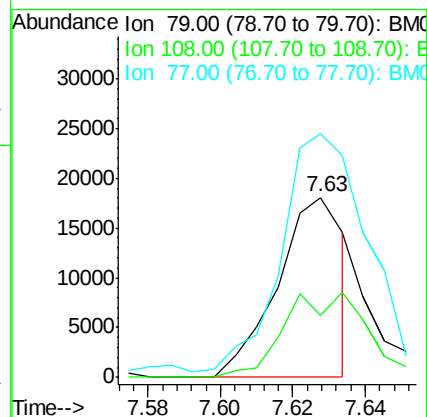
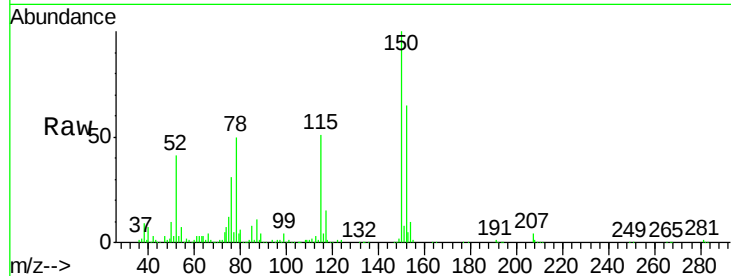
Tgt Ion: 79 Resp: 23108

Ion Ratio Lower Upper

79 100

108 34.5 65.0 97.4#

77 135.3 53.0 79.6#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.07 min Scan# 1239

Delta R.T. -0.08 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

Tgt Ion: 136 Resp: 392045

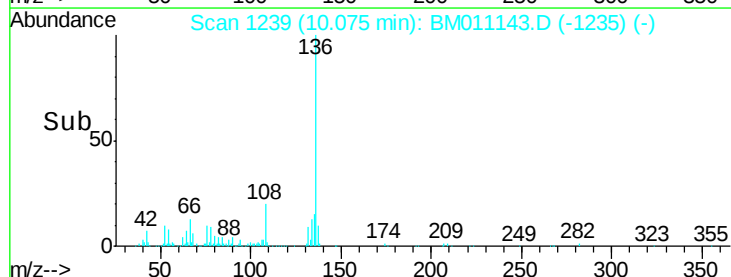
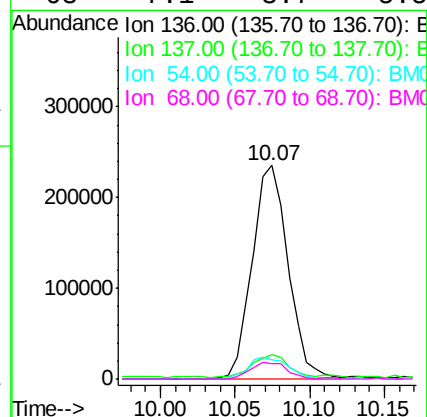
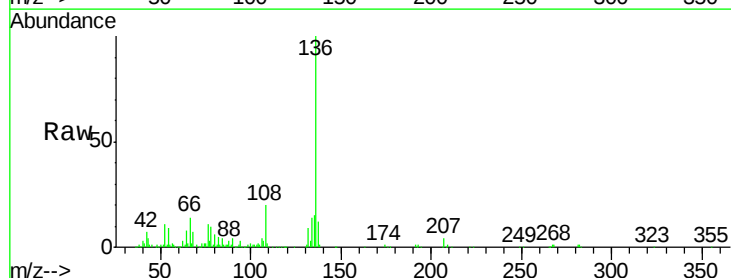
Ion Ratio Lower Upper

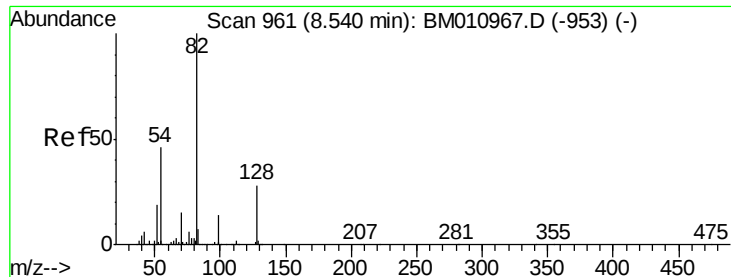
136 100

137 11.6 8.7 13.1

54 9.3 4.6 6.8#

68 7.1 3.7 5.5#

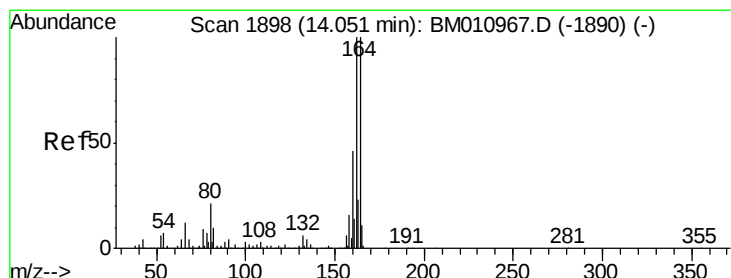
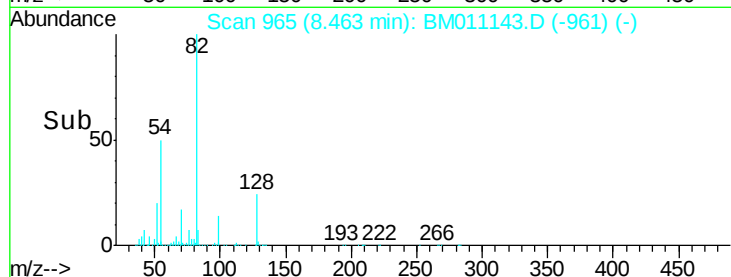
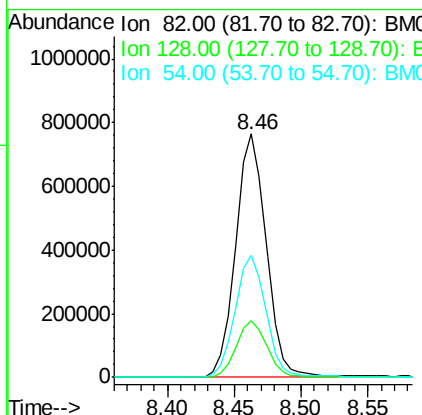
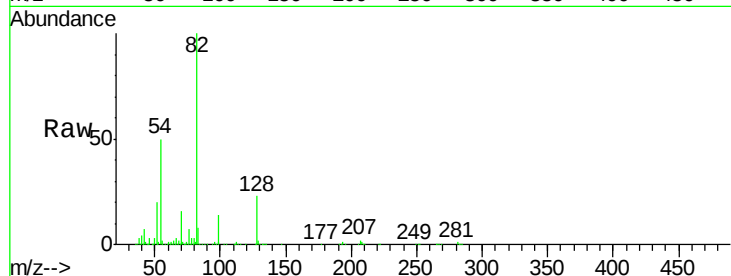




#23
 Nitrobenzene-d5
 Concen: 116.634 ng
 RT: 8.46 min Scan# 965
 Delta R.T. -0.08 min
 Lab File: BM011143.D
 Acq: 05 Aug 2017 15:42

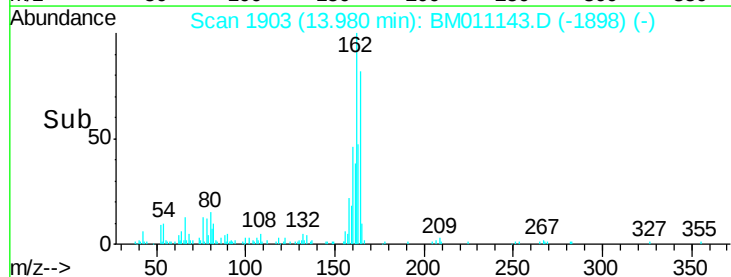
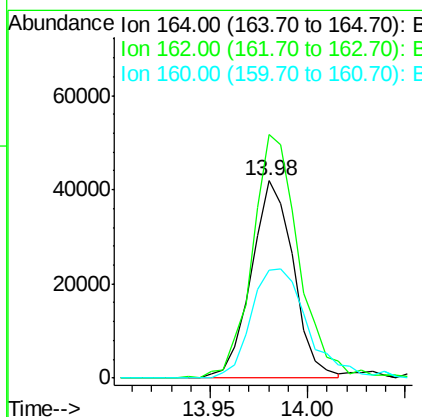
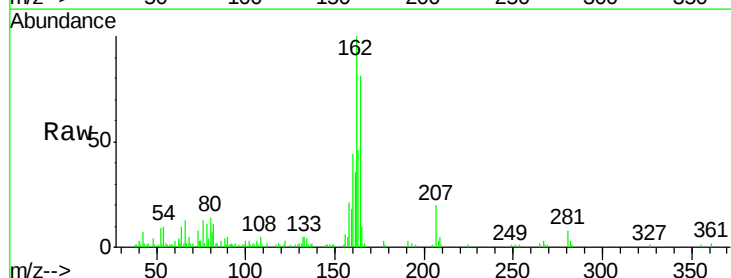
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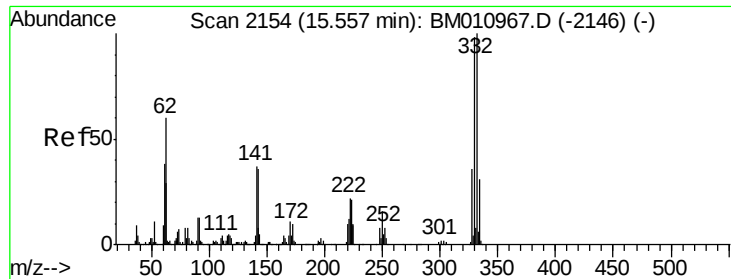
Tgt Ion: 82 Resp: 1218327
 Ion Ratio Lower Upper
 82 100
 128 23.4 32.8 49.2#
 54 50.0 40.6 60.8



#38
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 13.98 min Scan# 1903
 Delta R.T. -0.07 min
 Lab File: BM011143.D
 Acq: 05 Aug 2017 15:42

Tgt Ion: 164 Resp: 62699
 Ion Ratio Lower Upper
 164 100
 162 123.4 82.4 123.6
 160 54.8 35.8 53.6#

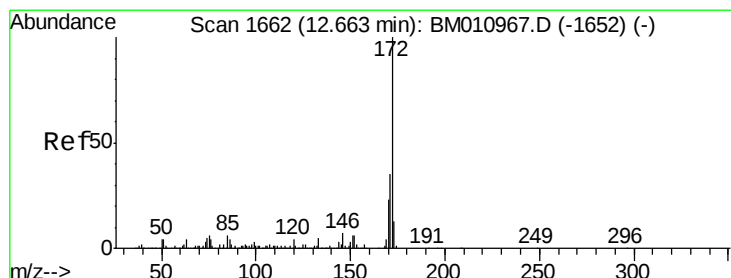
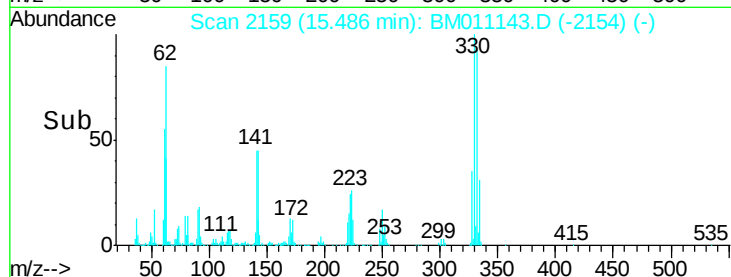
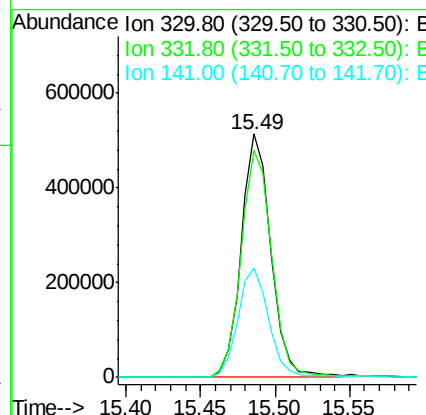
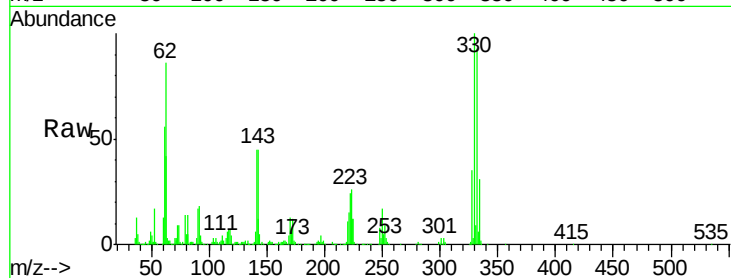




#41
 2,4,6-Tribromophenol
 Concen: 706.960 ng
 RT: 15.49 min Scan# 2159
 Delta R.T. -0.07 min
 Lab File: BM011143.D
 Acq: 05 Aug 2017 15:42

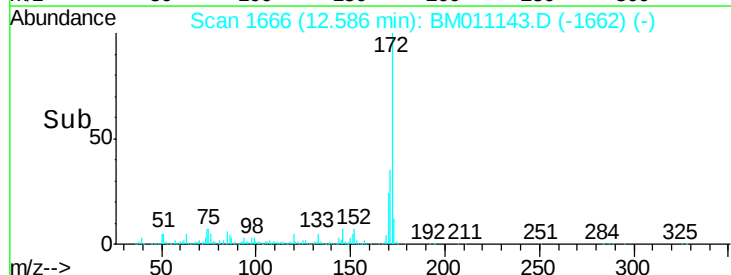
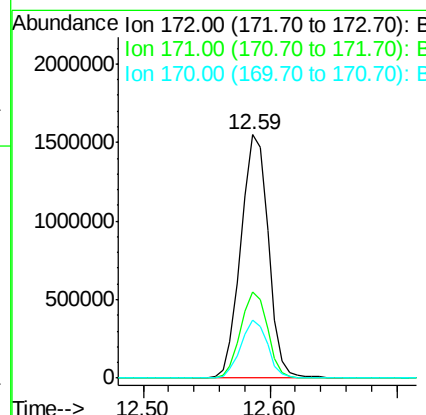
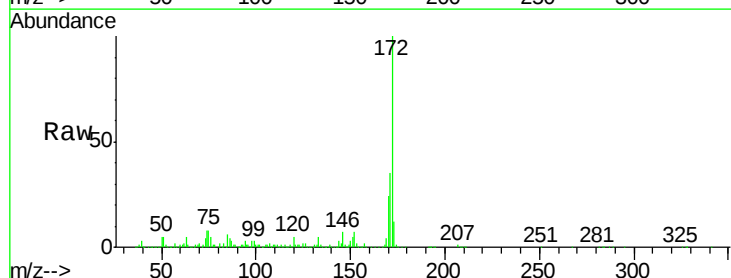
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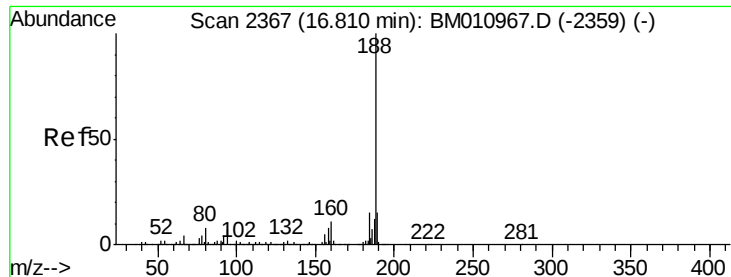
Tgt Ion:330 Resp: 710448
 Ion Ratio Lower Upper
 330 100
 332 96.5 0.0 0.0#
 141 46.9 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 466.212 ng
 RT: 12.59 min Scan# 1666
 Delta R.T. -0.08 min
 Lab File: BM011143.D
 Acq: 05 Aug 2017 15:42

Tgt Ion:172 Resp: 2330768
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.5 42.7
 170 23.9 18.8 28.2

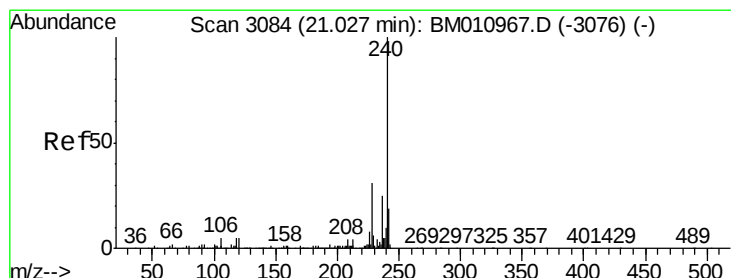
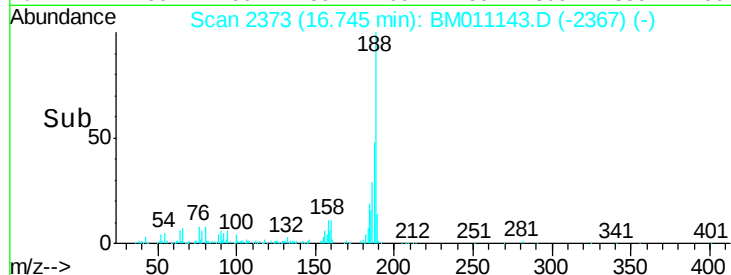
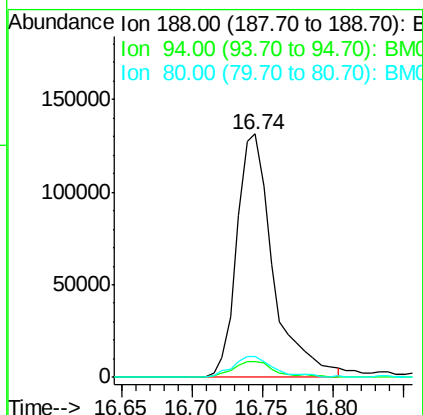
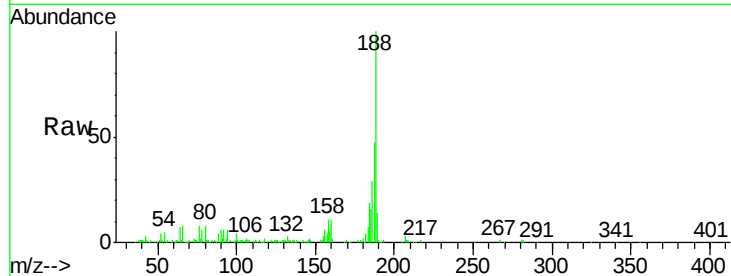




#63
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.74 min Scan# 2373
Delta R.T. -0.06 min
Lab File: BM011143.D
Acq: 05 Aug 2017 15:42

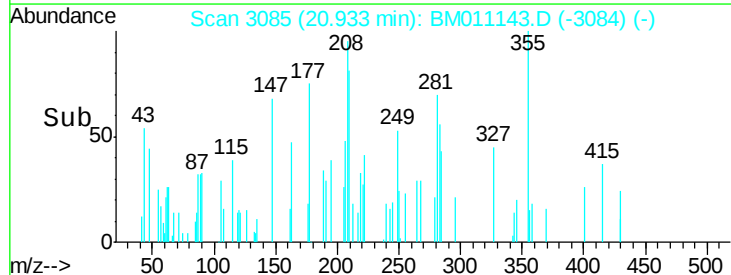
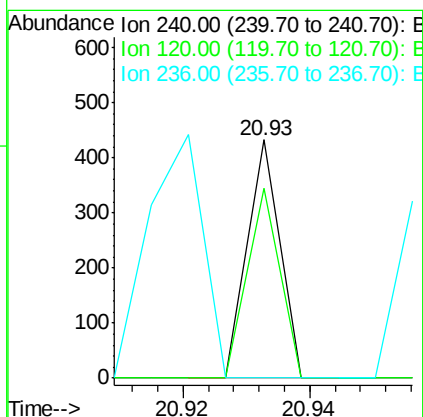
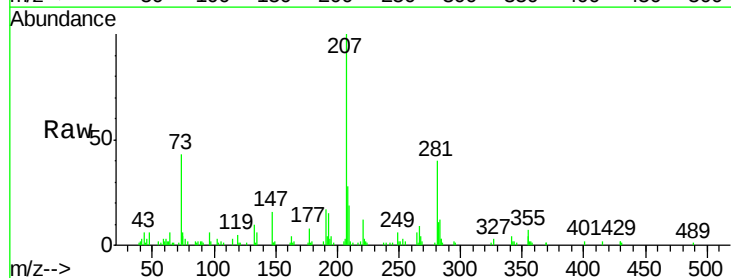
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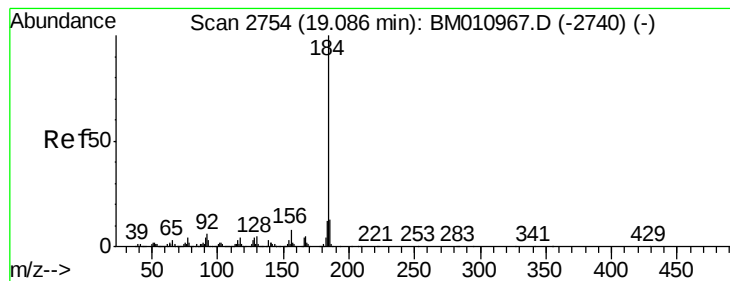
Tgt Ion:188 Resp: 236796
Ion Ratio Lower Upper
188 100
94 6.4 8.7 13.1#
80 8.3 9.3 13.9#



#75
Chrysene-d12
Concen: 20.000 ng
RT: 20.93 min Scan# 3085
Delta R.T. -0.09 min
Lab File: BM011143.D
Acq: 05 Aug 2017 15:42

Tgt Ion:240 Resp: 153
Ion Ratio Lower Upper
240 100
120 153.6 8.2 12.2#
236 0.0 20.0 30.0#





#76

Benzidine

Concen: 81.963 ng

RT: 19.00 min Scan# 2756

Delta R.T. -0.09 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

Instrument :

BNA_M

ClientSampleId :

JC-02-080117-HRE

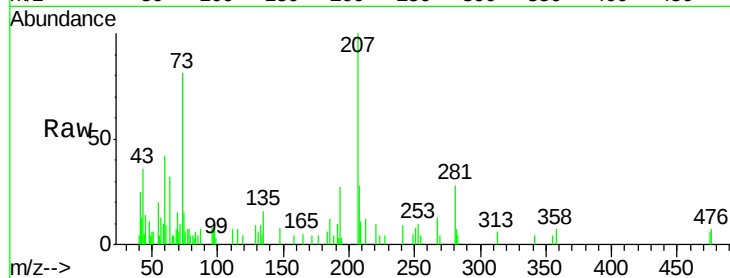
Tgt Ion:184 Resp: 300

Ion Ratio Lower Upper

184 100

185 208.9 11.3 16.9#

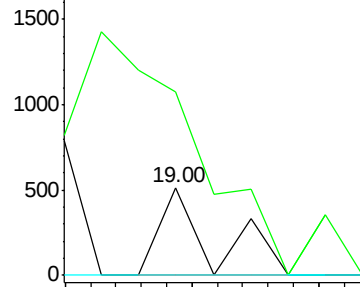
183 0.0 8.9 13.3#



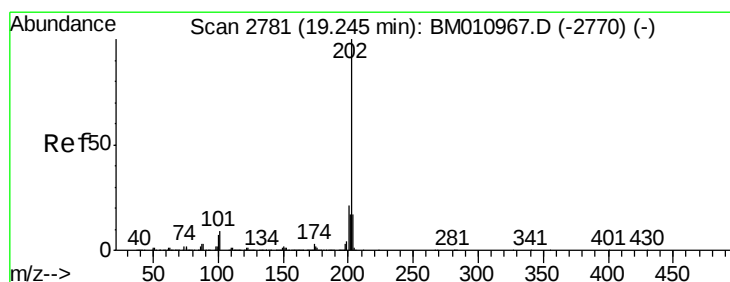
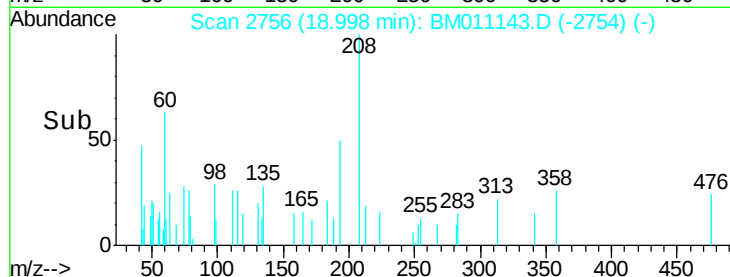
Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



Time--> 18.98 19.00 19.02



#77

Pyrene

Concen: 13.310 ng

RT: 19.12 min Scan# 2777

Delta R.T. -0.12 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

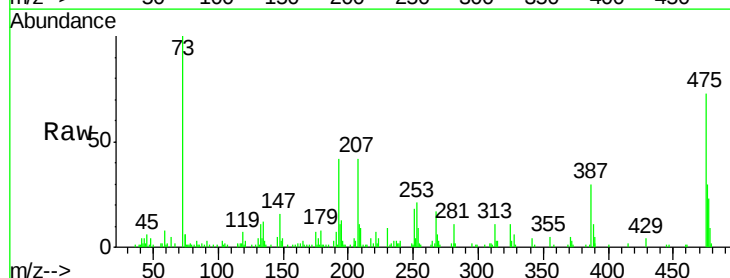
Tgt Ion:202 Resp: 121

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

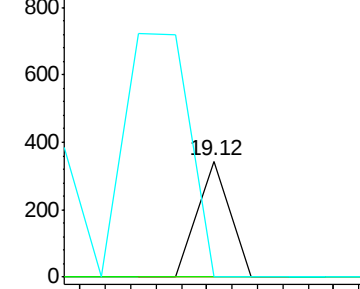
203 0.0 14.1 21.1#



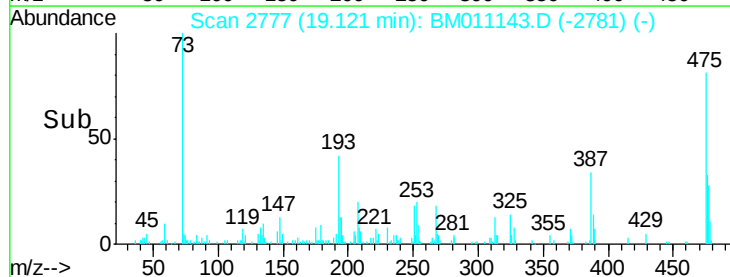
Abundance Ion 202.00 (201.70 to 202.70): E

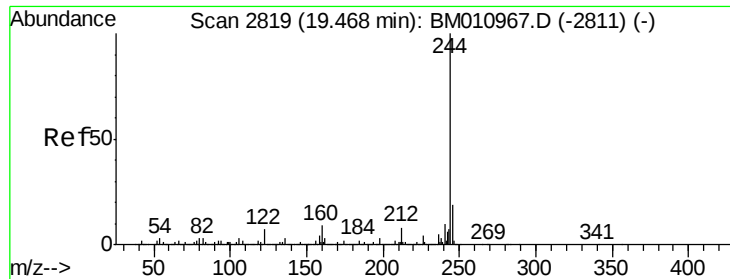
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 19.10 19.12 19.14





#78

Terphenyl-d14

Concen: 77282.708 ng

RT: 19.41 min Scan# 2826

Delta R.T. -0.06 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

Instrument :

BNA_M

ClientSampleId :

JC-02-080117-HRE

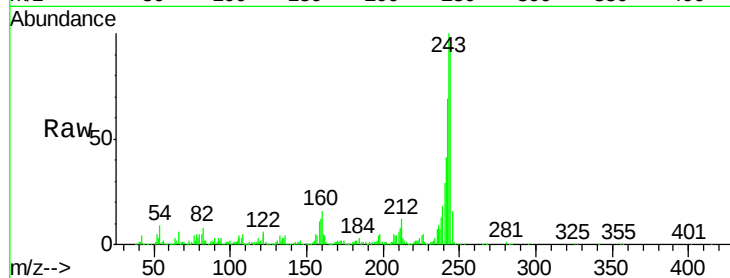
Tgt Ion:244 Resp: 596922

Ion Ratio Lower Upper

244 100

212 13.4 4.9 7.3#

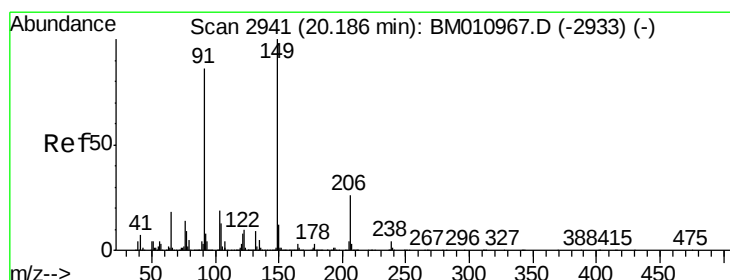
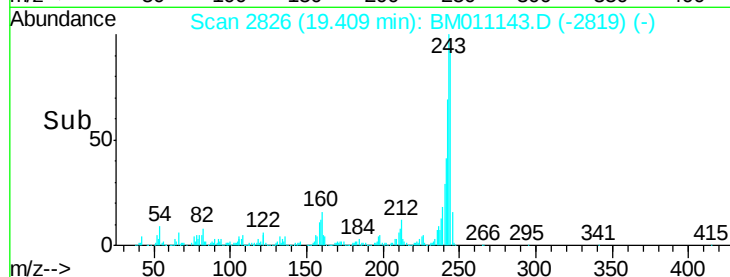
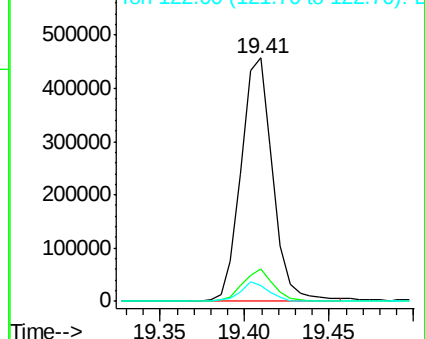
122 6.5 6.2 9.4



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



#79

Butylbenzylphthalate

Concen: 1104.628 ng

RT: 20.11 min Scan# 2945

Delta R.T. -0.08 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

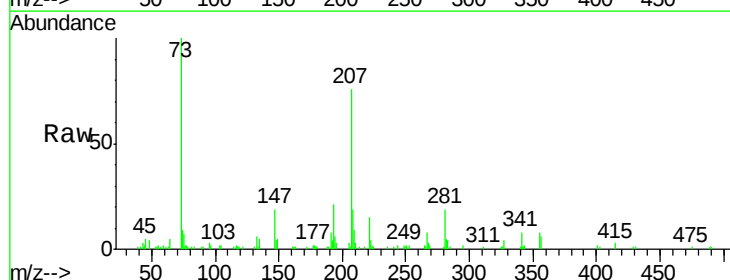
Tgt Ion:149 Resp: 3571

Ion Ratio Lower Upper

149 100

91 17.5 50.1 75.1#

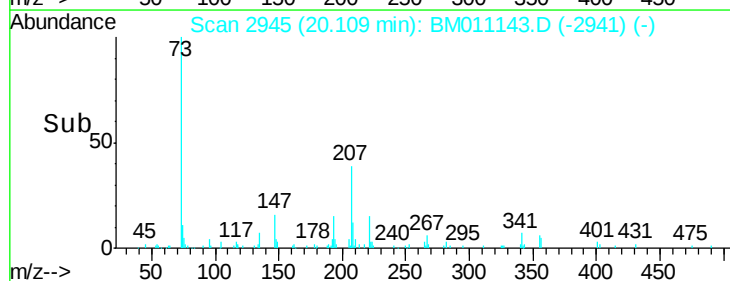
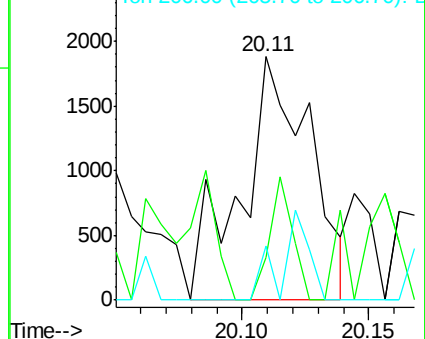
206 22.1 16.2 24.2

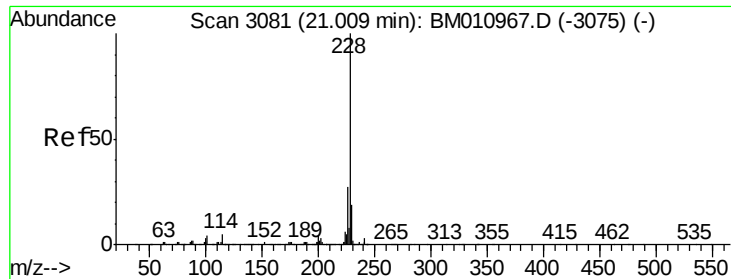


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E

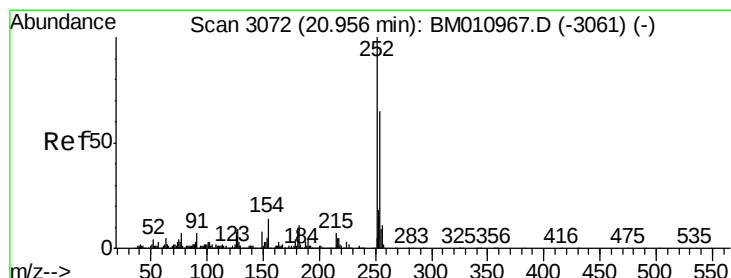
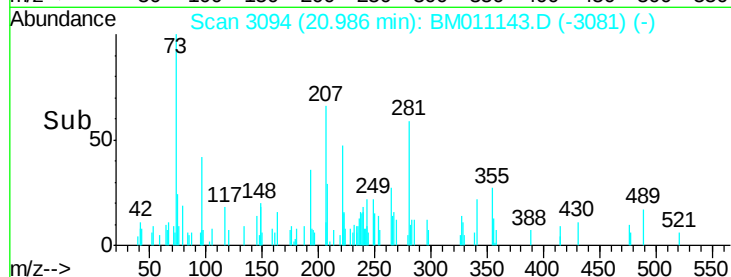
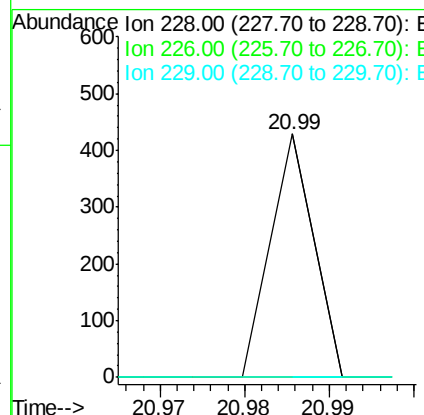
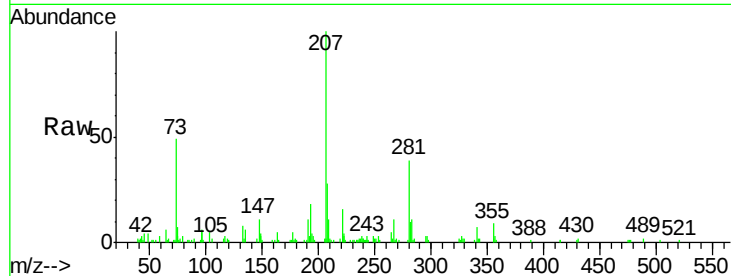




#80
Benzo(a)anthracene
Concen: 17.284 ng
RT: 20.99 min Scan# 3094
Delta R.T. -0.02 min
Lab File: BM011143.D
Acq: 05 Aug 2017 15:42

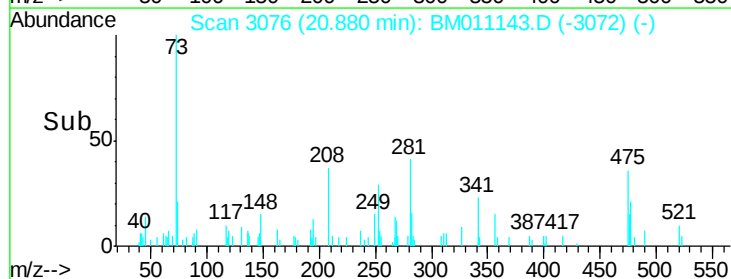
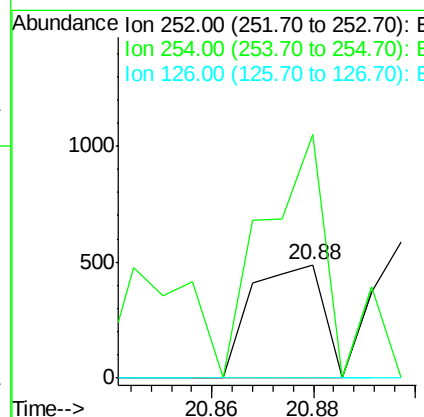
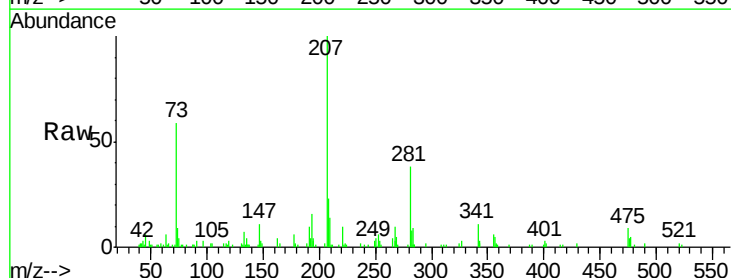
Instrument :
BNA_M
ClientSampleId :
JC-02-080117-HRE

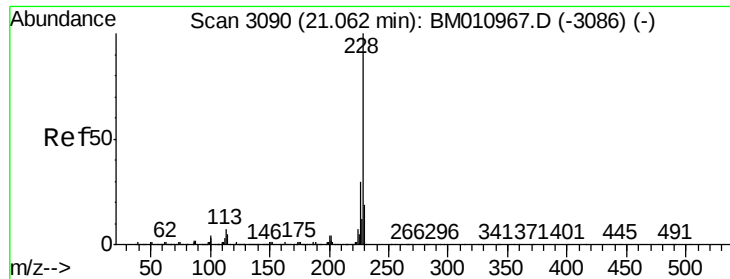
Tgt Ion	Ratio	Lower	Upper
228	100		
226	0.0	21.7	32.5#
229	0.0	16.0	24.0#



#81
3,3'-Dichlorobenzidine
Concen: 138.890 ng
RT: 20.88 min Scan# 3076
Delta R.T. -0.08 min
Lab File: BM011143.D
Acq: 05 Aug 2017 15:42

Tgt Ion	Ratio	Lower	Upper
252	100		
254	214.3	51.9	77.9#
126	0.0	9.8	14.8#





#82

Chrysene

Concen: 18.006 ng

RT: 20.99 min Scan# 3094

Delta R.T. -0.08 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

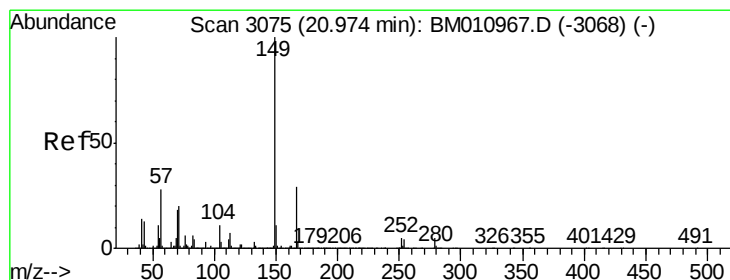
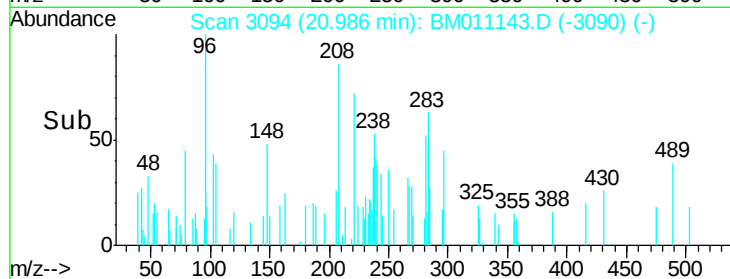
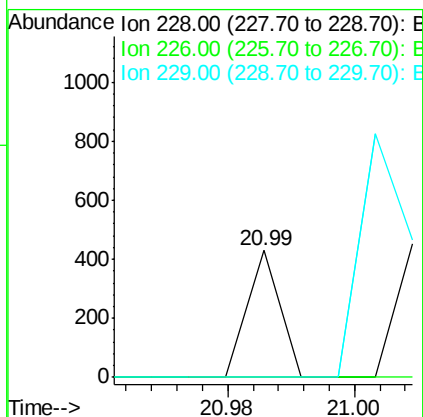
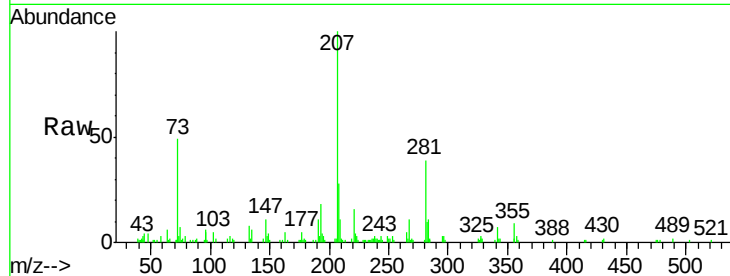
Instrument :

BNA_M

ClientSampleId :

JC-02-080117-HRE

Tgt Ion:	228	Resp:	151
Ion	Ratio	Lower	Upper
228	100		
226	0.0	24.1	36.1#
229	0.0	15.5	23.3#



#83

Bis(2-ethylhexyl)phthalate

Concen: 304.051 ng

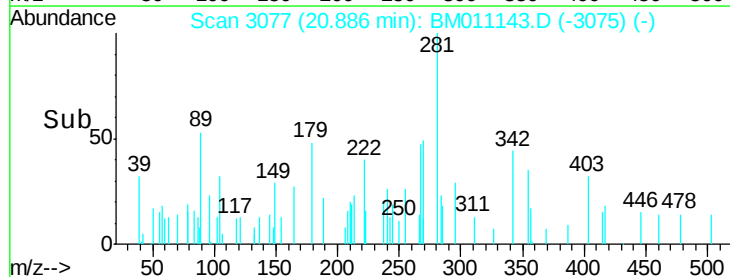
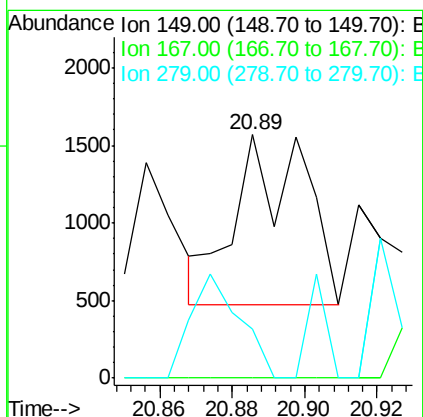
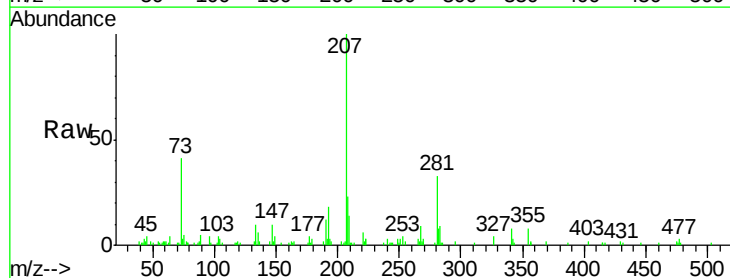
RT: 20.89 min Scan# 3077

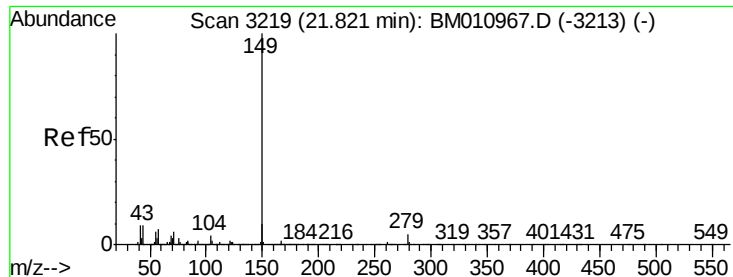
Delta R.T. -0.09 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

Tgt Ion:	149	Resp:	1446
Ion	Ratio	Lower	Upper
149	100		
167	0.0	22.4	33.6#
279	20.4	3.4	5.0#





#84

Di-n-octyl phthalate

Concen: 125.410 ng

RT: 21.73 min Scan# 3221

Delta R.T. -0.09 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

Instrument :

BNA_M

ClientSampleId :

JC-02-080117-HRE

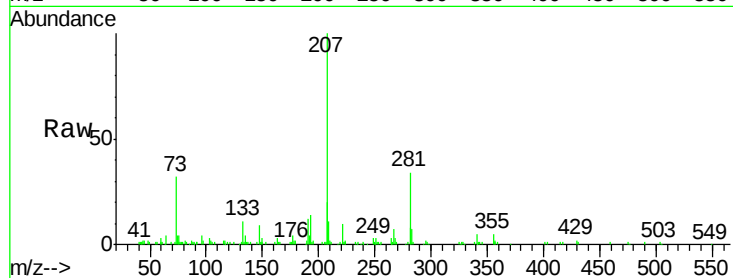
Tgt Ion:149 Resp: 968

Ion Ratio Lower Upper

149 100

167 0.0 1.2 1.8#

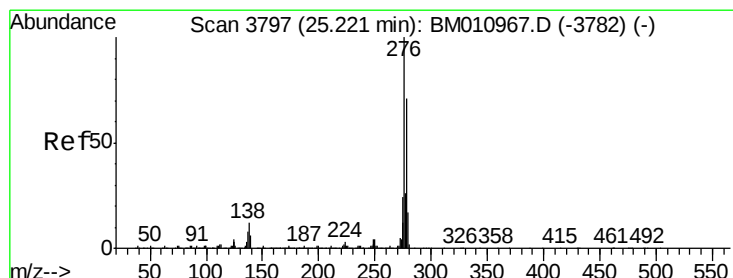
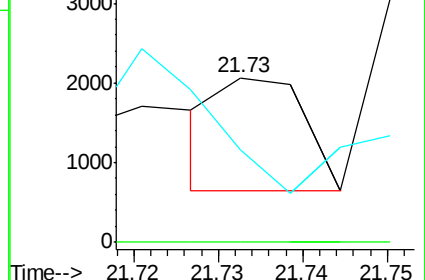
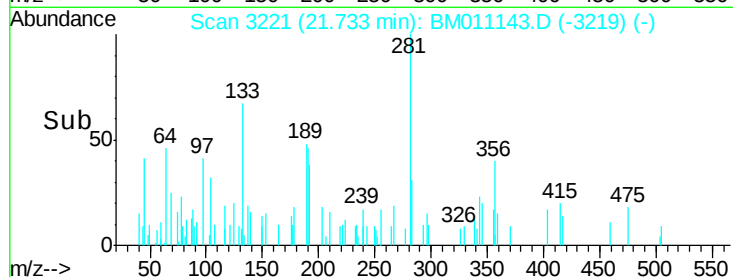
43 165.3 7.3 10.9#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BM



#85

Indeno(1,2,3-cd)pyrene

Concen: 14.968 ng

RT: 25.03 min Scan# 3781

Delta R.T. -0.19 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

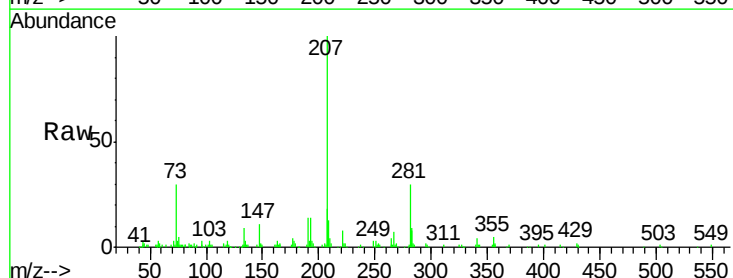
Tgt Ion:276 Resp: 130

Ion Ratio Lower Upper

276 100

138 106.2 12.0 18.0#

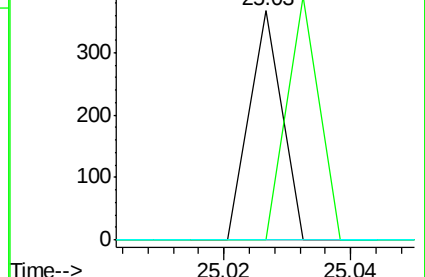
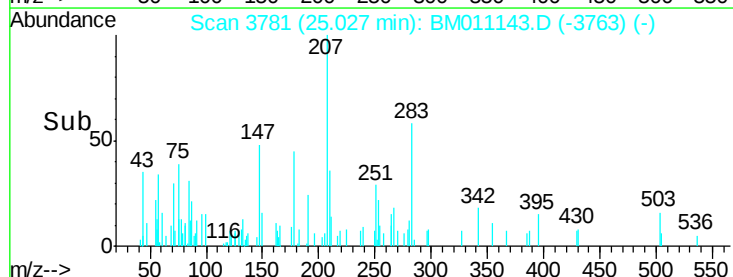
277 0.0 20.0 30.0#

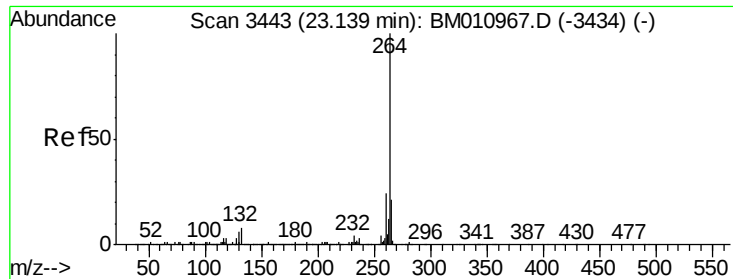


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

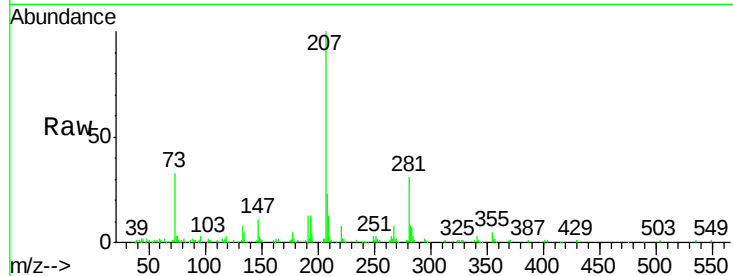




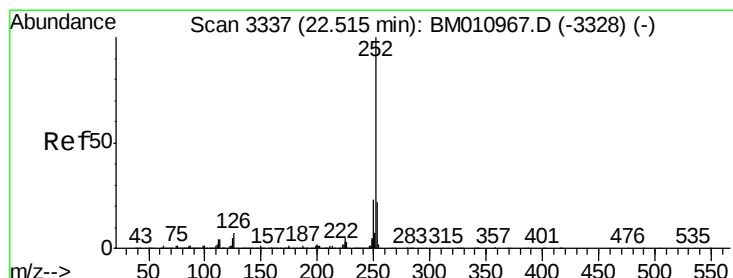
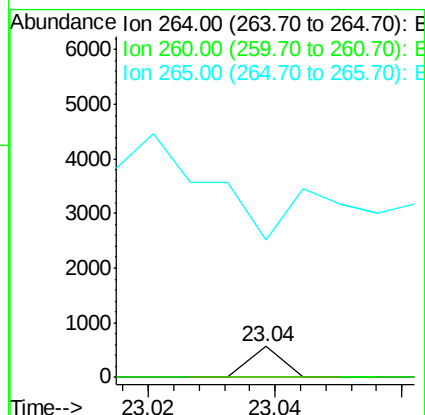
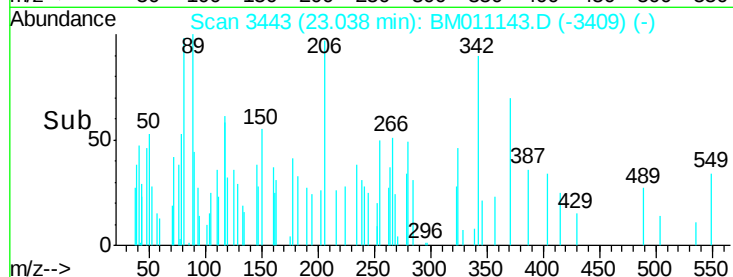
#86
Perylene-d12
Concen: 20.000 ng
RT: 23.04 min Scan# 3443
Delta R.T. -0.10 min
Lab File: BM011143.D
Acq: 05 Aug 2017 15:42

Instrument :
BNA_M
ClientSampleId :
JC-02-080117-HRE

Tgt Ion: 264 Resp: 197
Ion Ratio Lower Upper
264 100
260 0.0 18.6 27.8#
265 450.4 17.3 25.9#

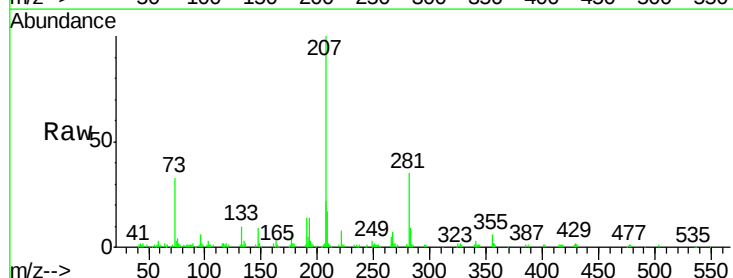


Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E

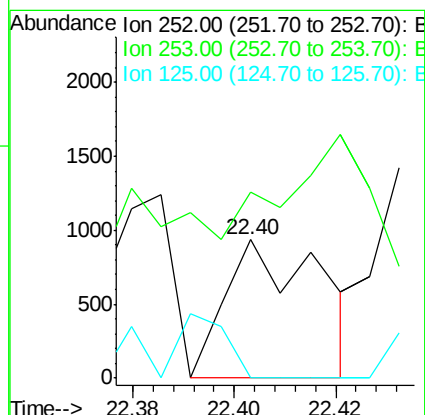
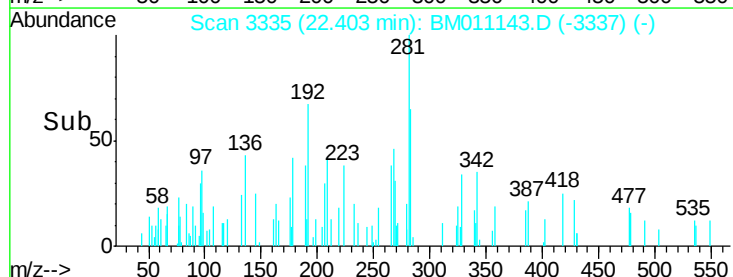


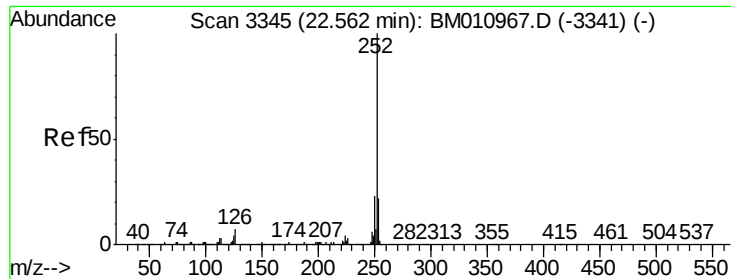
#87
Benzo(b)fluoranthene
Concen: 95.858 ng
RT: 22.40 min Scan# 3335
Delta R.T. -0.11 min
Lab File: BM011143.D
Acq: 05 Aug 2017 15:42

Tgt Ion: 252 Resp: 1212
Ion Ratio Lower Upper
252 100
253 134.3 18.0 27.0#
125 0.0 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

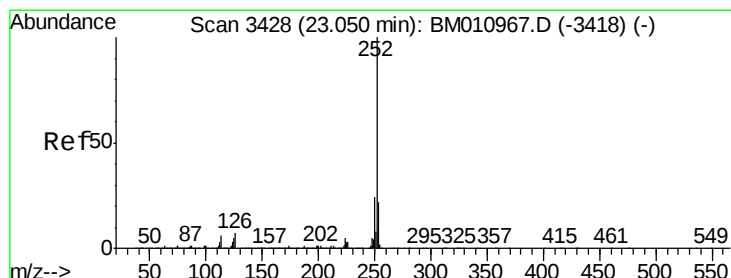
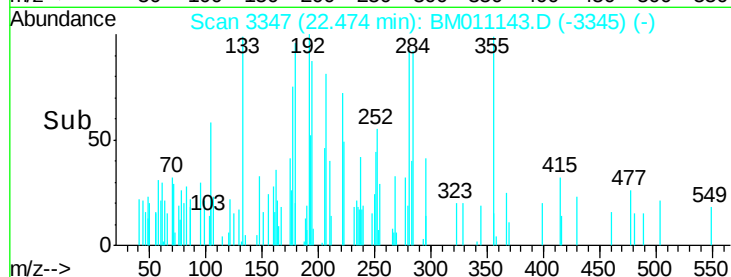
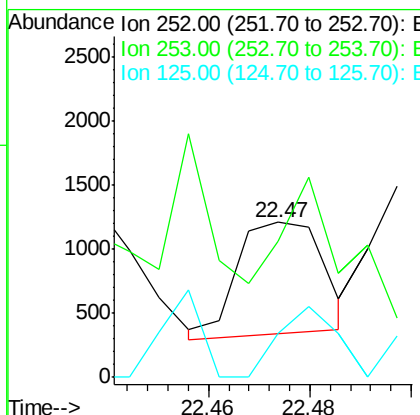
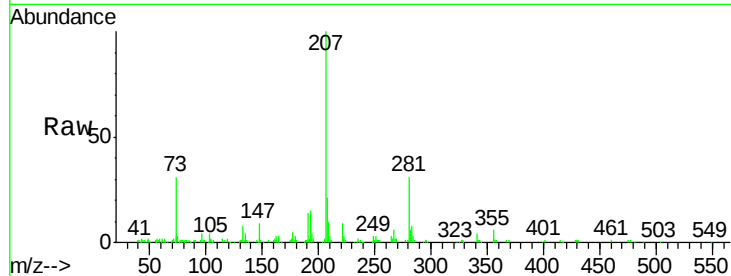




#88
Benzo(k)fluoranthene
Concen: 85.159 ng
RT: 22.47 min Scan# 3347
Delta R.T. -0.09 min
Lab File: BM011143.D
Acq: 05 Aug 2017 15:42

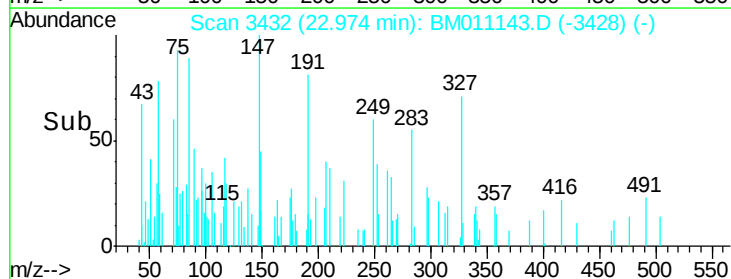
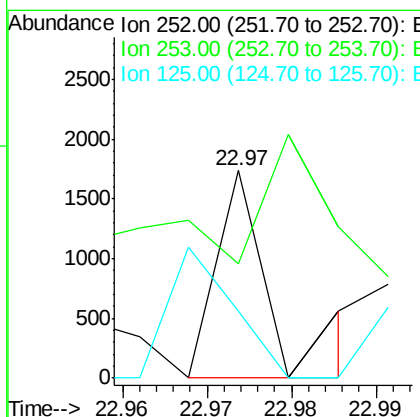
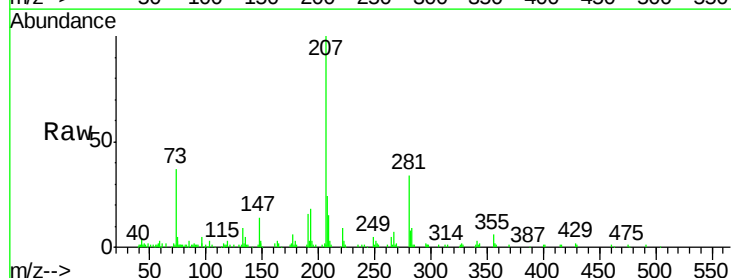
Instrument :
BNA_M
ClientSampleId :
JC-02-080117-HRE

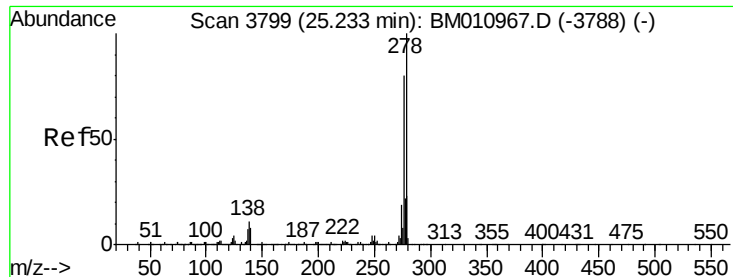
Tgt Ion:252 Resp: 1032
Ion Ratio Lower Upper
252 100
253 87.8 17.2 25.8#
125 28.4 8.1 12.1#



#89
Benzo(a)pyrene
Concen: 70.886 ng
RT: 22.97 min Scan# 3432
Delta R.T. -0.08 min
Lab File: BM011143.D
Acq: 05 Aug 2017 15:42

Tgt Ion:252 Resp: 811
Ion Ratio Lower Upper
252 100
253 55.0 17.6 26.4#
125 32.6 7.4 11.2#





#90

Dibenzo(a,h)anthracene

Concen: 16.123 ng

RT: 25.09 min Scan# 3792

Delta R.T. -0.14 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

Instrument :

BNA_M

ClientSampleId :

JC-02-080117-HRE

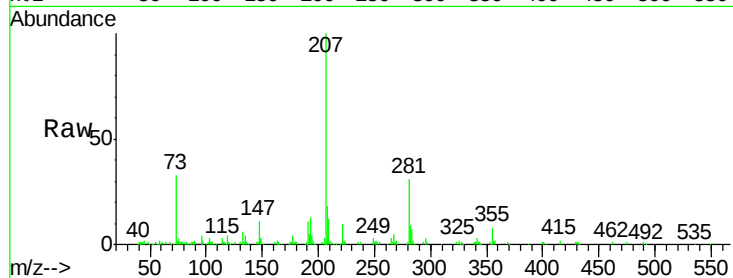
Tgt Ion:278 Resp: 171

Ion Ratio Lower Upper

278 100

139 0.0 13.4 20.0#

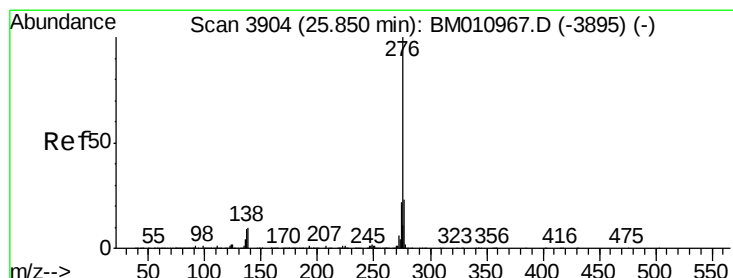
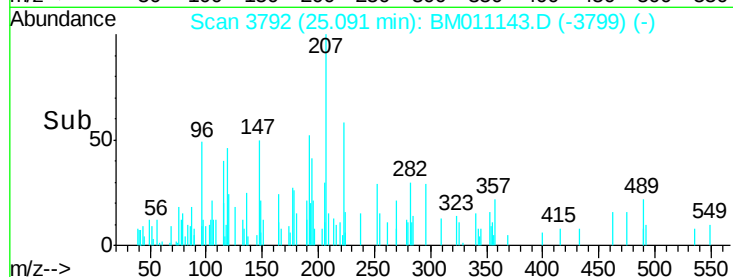
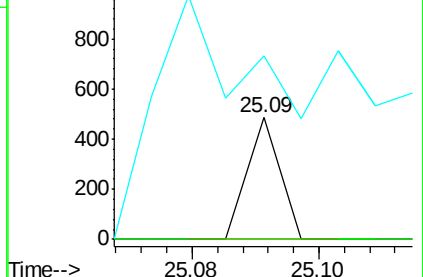
279 150.7 19.0 28.4#



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



#91

Benzo(g,h,i)perylene

Concen: 12.674 ng

RT: 25.78 min Scan# 3909

Delta R.T. -0.07 min

Lab File: BM011143.D

Acq: 05 Aug 2017 15:42

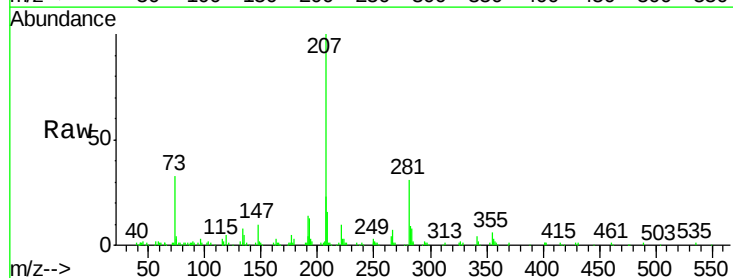
Tgt Ion:276 Resp: 132

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

