

Data Path : Z:\HPCHEM1\BNA M\DATA\BM080417\
 Data File : BM011127.D
 Acq On : 04 Aug 2017 21:00
 Operator : SJ/JU
 Sample : I4562-24
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Aug 05 03:21:15 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

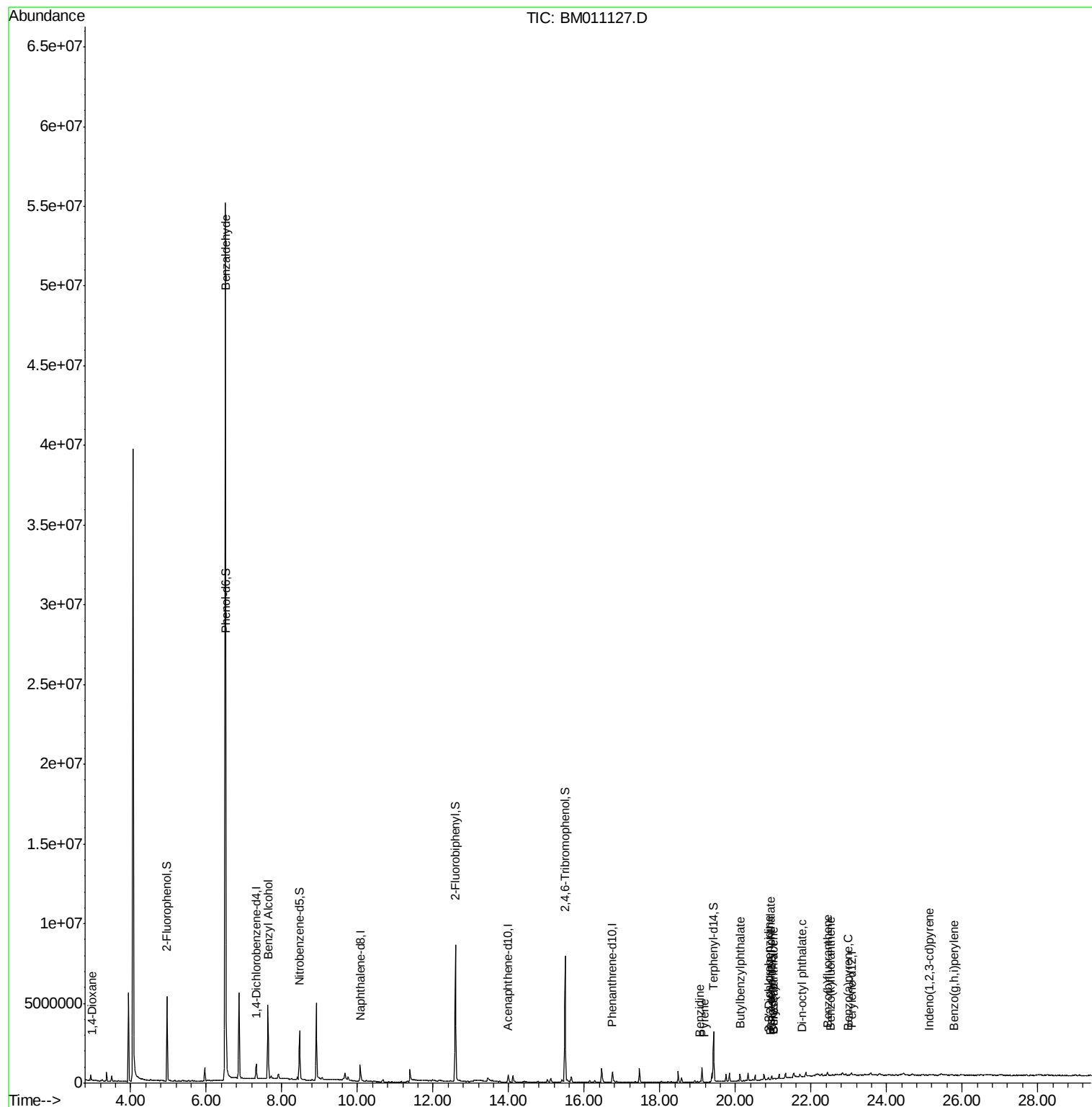
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.32	152	192249	20.00	ng	-0.07
21) Naphthalene-d8	10.07	136	567174	20.00	ng	-0.08
38) Acenaphthene-d10	13.99	164	96020	20.00	ng	-0.06
63) Phenanthrene-d10	16.74	188	289251	20.00	ng	-0.06
75) Chrysene-d12	20.96	240	675	20.00	ng	-0.07
86) Perylene-d12	23.07	264	213	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	4.96	112	1492477	131.23	ng	-0.06
7) Phenol-d6	6.52	99	633832	39.23	ng	-0.07
23) Nitrobenzene-d5	8.47	82	1793921	118.71	ng	-0.07
41) 2,4,6-Tribromophenol	15.49	330	1114551	724.21	ng	-0.06
44) 2-Fluorobiphenyl	12.59	172	3703998	483.79	ng	-0.07
78) Terphenyl-d14	19.41	244	98117	2879.36	ng	-0.06
Target Compounds						
2) 1,4-Dioxane	2.98	88	12004	2.35	ng	# 100
9) Benzaldehyde	6.50	77	34423	3.29	ng	# 1
15) Benzyl Alcohol	7.63	79	40318	2.60	ng	# 35
76) Benizidine	19.05	184	122	7.56	ng	# 68
77) Pyrene	19.18	202	581	14.49	ng	# 36
79) Butylbenzylphthalate	20.12	149	5795	406.32	ng	# 40
80) Benzo(a)anthracene	21.00	228	1098	28.49	ng	# 57
81) 3,3'-Dichlorobenzidine	20.88	252	565	37.37	ng	# 29
82) Chrysene	21.00	228	1098	29.68	ng	# 62
83) Bis(2-ethylhexyl)phthalate	20.92	149	1985	94.61	ng	# 98
84) Di-n-octyl phthalate	21.75	149	1199	35.21	ng	# 78
85) Indeno(1,2,3-cd)pyrene	25.13	276	135	3.52	ng	# 1
87) Benzo(b)fluoranthene	22.44	252	499	36.50	ng	# 1
88) Benzo(k)fluoranthene	22.51	252	3700	282.38	ng	# 1
89) Benzo(a)pyrene	23.00	252	1348	108.97	ng	# 1
91) Benzo(g,h,i)perylene	25.77	276	231	20.51	ng	# 52

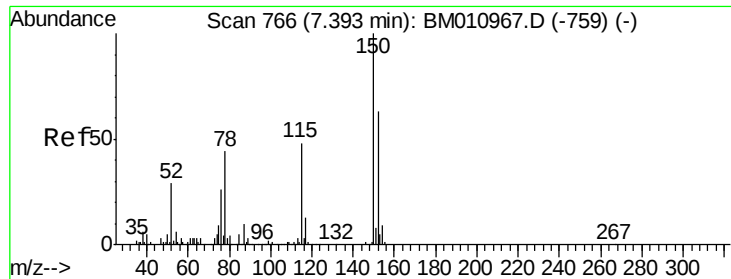
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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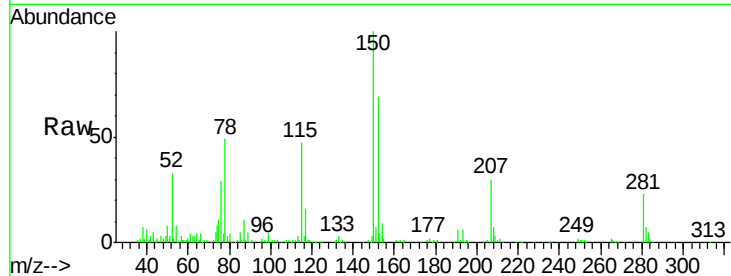


#1

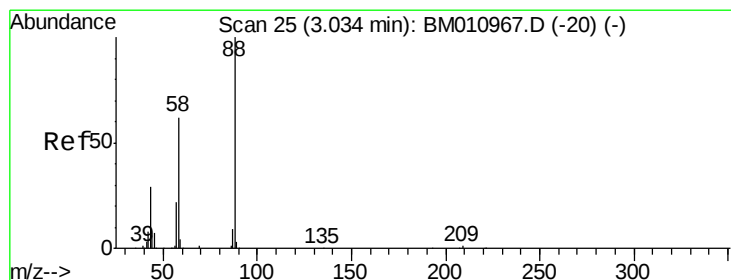
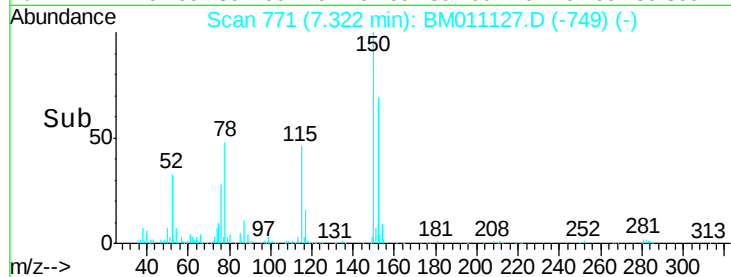
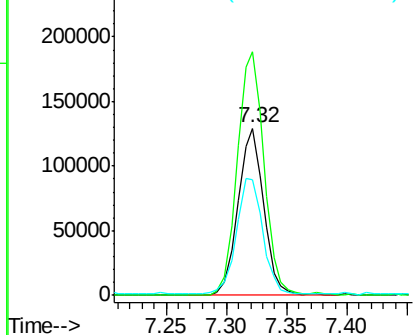
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.32 min Scan# 771
Delta R.T. -0.07 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	145.8	119.5	179.3
115	68.9	43.0	64.4



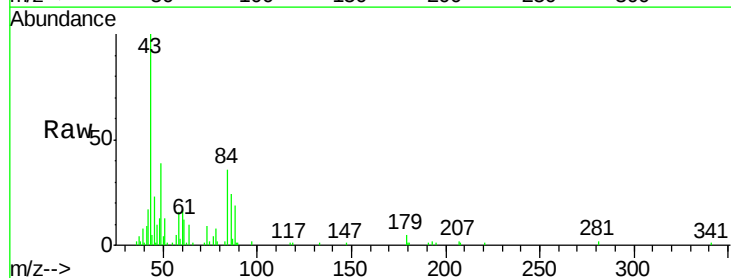
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



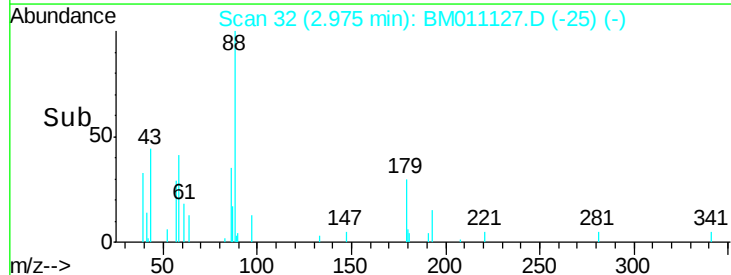
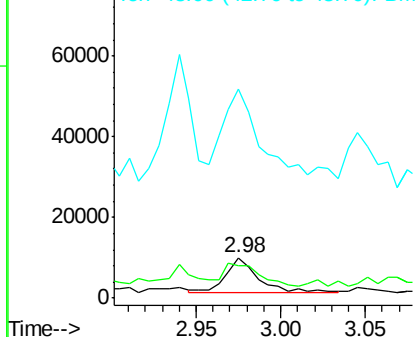
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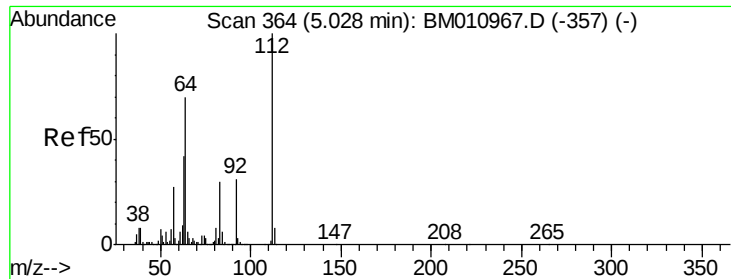
1,4-Dioxane
Concen: 2.35 ng
RT: 2.98 min Scan# 32
Delta R.T. -0.06 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	63.4	0.0	0.0#
43	310.9	0.0	0.0#



Abundance Ion 88.00 (87.70 to 88.70): BM0
Ion 58.00 (57.70 to 58.70): BM0
Ion 43.00 (42.70 to 43.70): BM0





#5

2-Fluorophenol

Concen: 131.23 ng

RT: 4.96 min Scan# 370

Delta R.T. -0.06 min

Lab File: BM011127.D

Acq: 04 Aug 2017 21:00

Instrument :

BNA_M

ClientSampled :

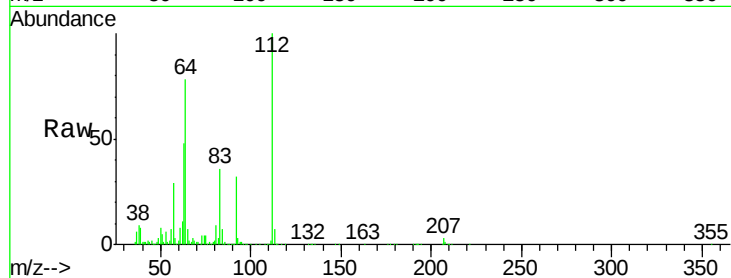
Tot Ion:112 Resp: 1492477

Ion Ratio Lower Upper

112 100

64 77.5 38.6 57.8#

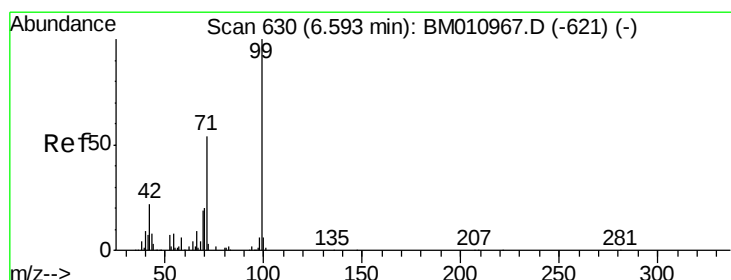
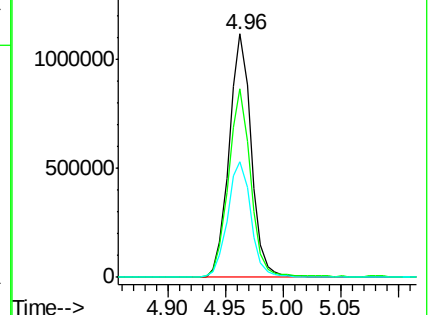
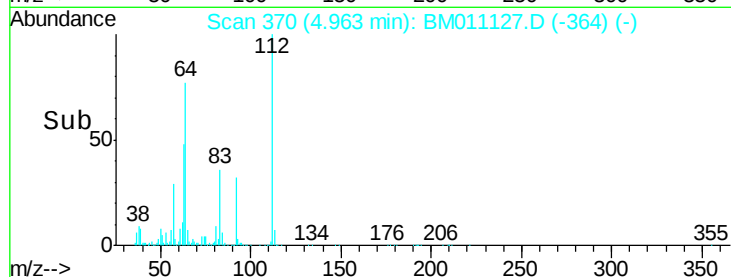
63 47.6 19.3 28.9#



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): B

Ion 63.00 (62.70 to 63.70): B



#7

Phenol-d6

Concen: 39.23 ng

RT: 6.52 min Scan# 635

Delta R.T. -0.07 min

Lab File: BM011127.D

Acq: 04 Aug 2017 21:00

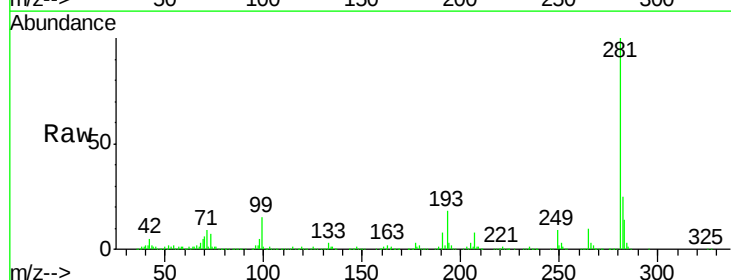
Tgt Ion: 99 Resp: 633832

Ion Ratio Lower Upper

99 100

42 30.0 11.0 16.4#

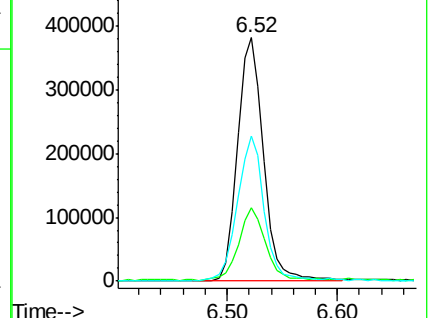
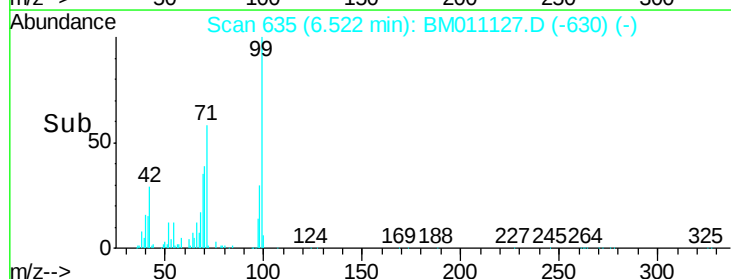
71 59.7 23.4 35.2#

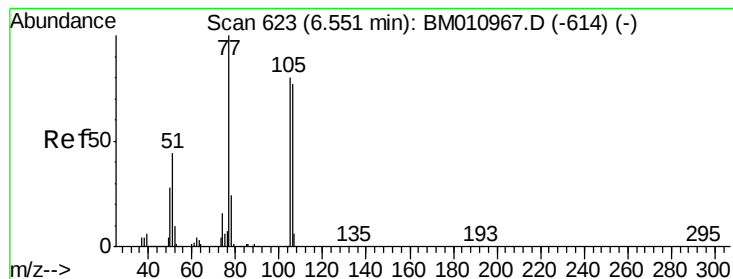


Abundance Ion 99.00 (98.70 to 99.70): B

Ion 42.00 (41.70 to 42.70): B

Ion 71.00 (70.70 to 71.70): B





#9

Benzaldehyde

Concen: 3.29 ng

RT: 6.50 min Scan# 631

Delta R.T. -0.05 min

Lab File: BM011127.D

Acq: 04 Aug 2017 21:00

Instrument :

BNA_M

ClientSampleId :

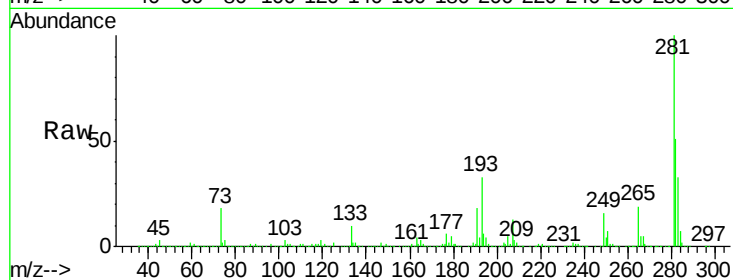
Tot Ion: 77 Resp: 34423

Ion Ratio Lower Upper

77 100

105 378.3 78.8 118.8#

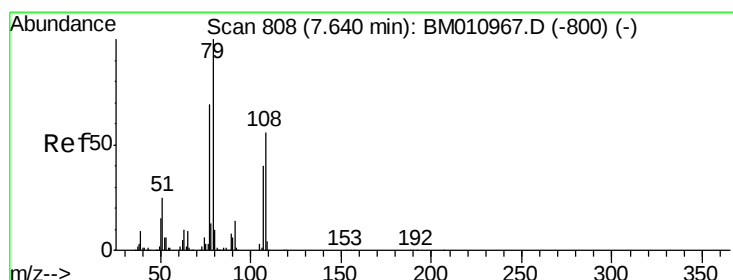
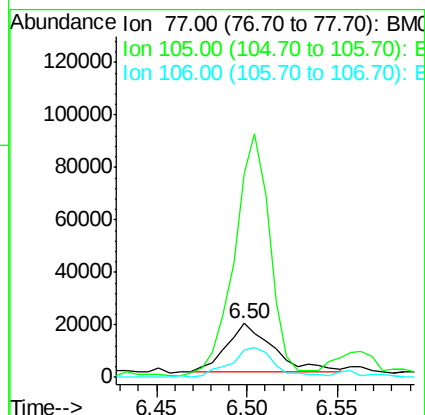
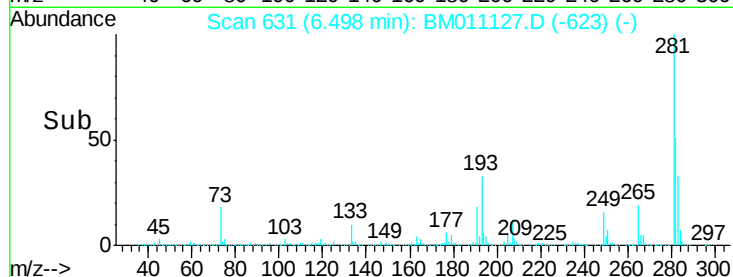
106 50.5 73.7 113.7#



Abundance Ion 77.00 (76.70 to 77.70): BM011127.D (-623) (-)

Ion 105.00 (104.70 to 105.70): BM011127.D (-623) (-)

Ion 106.00 (105.70 to 106.70): BM011127.D (-623) (-)



#15

Benzyl Alcohol

Concen: 2.60 ng

RT: 7.63 min Scan# 824

Delta R.T. -0.01 min

Lab File: BM011127.D

Acq: 04 Aug 2017 21:00

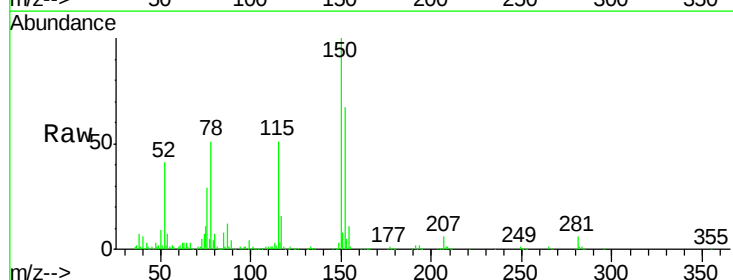
Tgt Ion: 79 Resp: 40318

Ion Ratio Lower Upper

79 100

108 40.6 65.0 97.4#

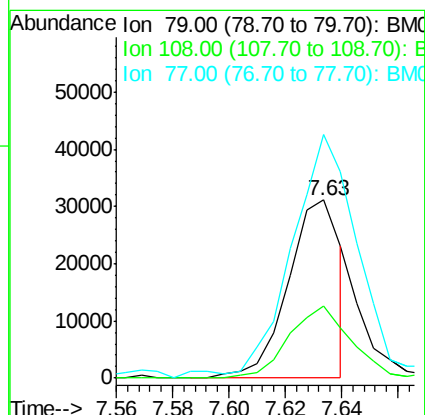
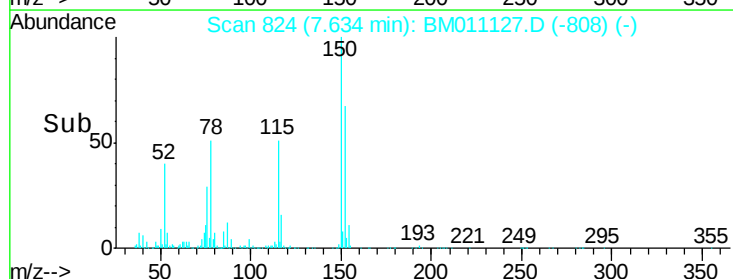
77 137.0 53.0 79.6#

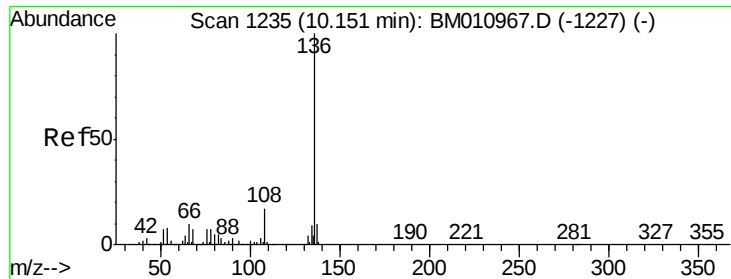


Abundance Ion 79.00 (78.70 to 79.70): BM011127.D (-808) (-)

Ion 108.00 (107.70 to 108.70): BM011127.D (-808) (-)

Ion 77.00 (76.70 to 77.70): BM011127.D (-808) (-)

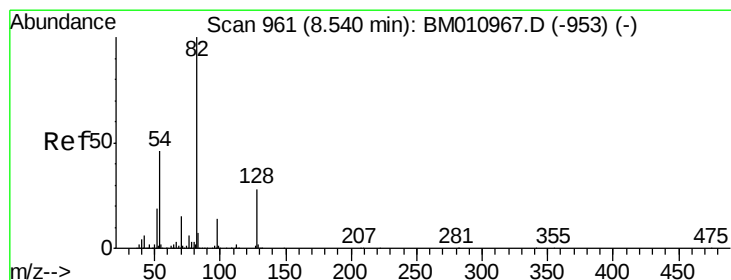
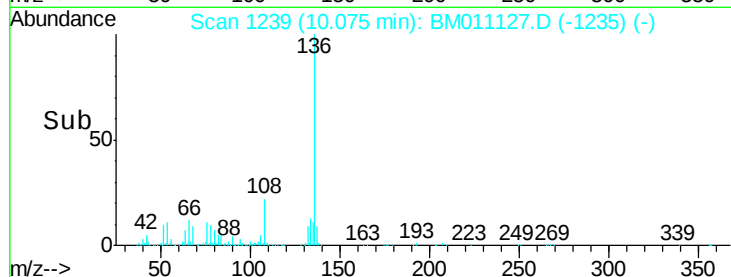
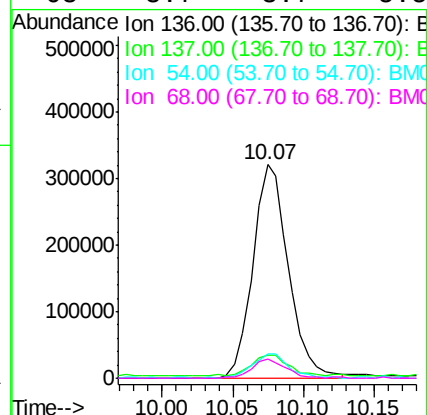
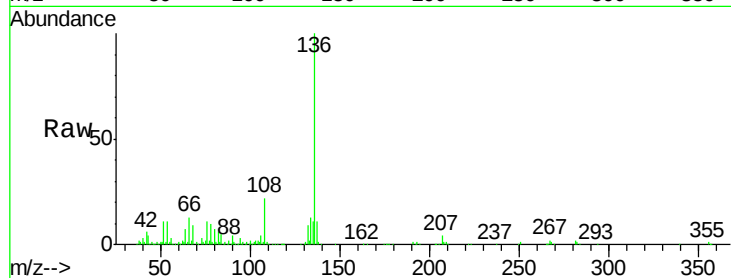




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.07 min Scan# 1239
Delta R.T. -0.08 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

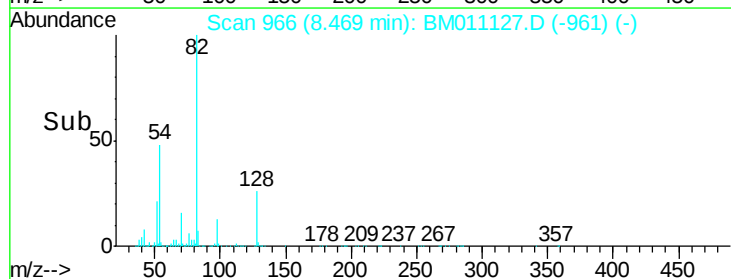
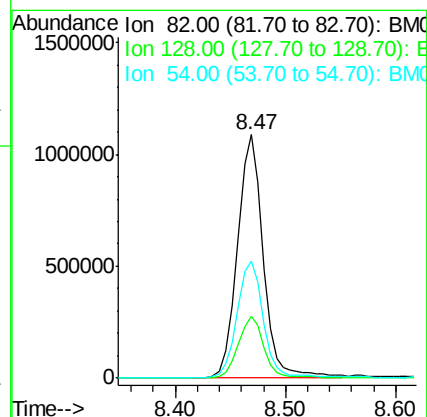
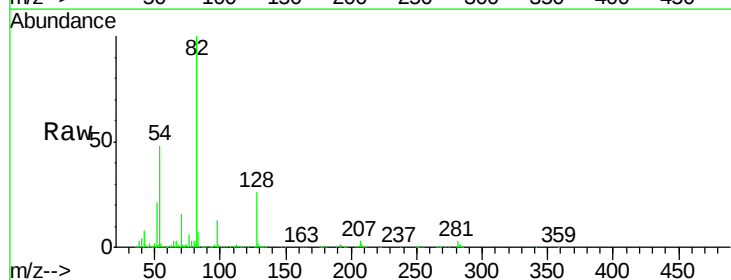
Instrument :
BNA_M
ClientSampleId :

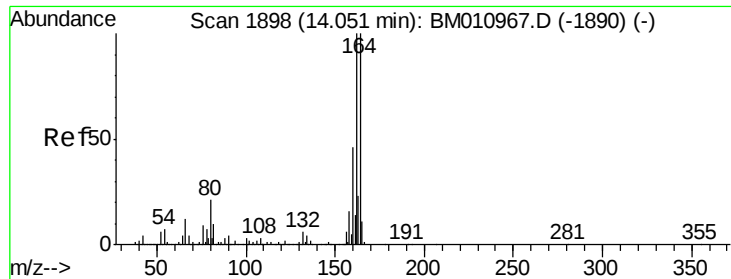
Tot Ion:136	Resp: 567174
Ion Ratio	Lower Upper
136 100	
137 10.7	8.7 13.1
54 11.3	4.6 6.8#
68 8.7	3.7 5.5#



#23
Nitrobenzene-d5
Concen: 118.71 ng
RT: 8.47 min Scan# 966
Delta R.T. -0.07 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

Tgt Ion: 82	Resp: 1793921
Ion Ratio	Lower Upper
82 100	
128 25.5	32.8 49.2#
54 47.9	40.6 60.8

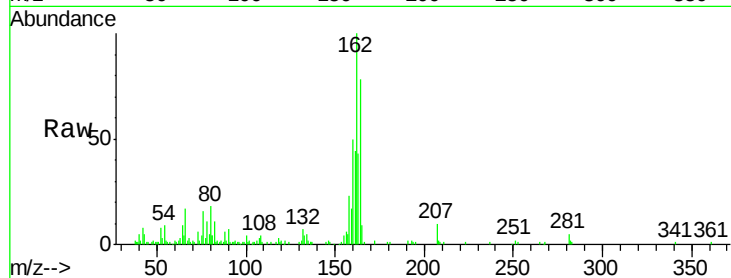




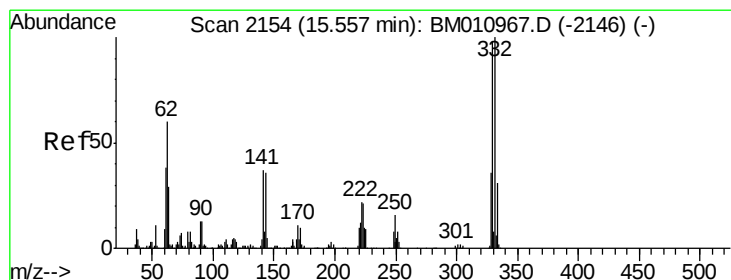
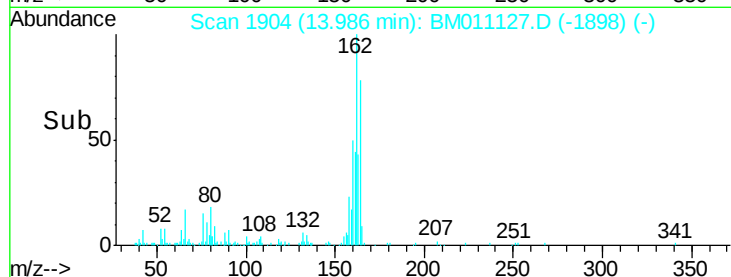
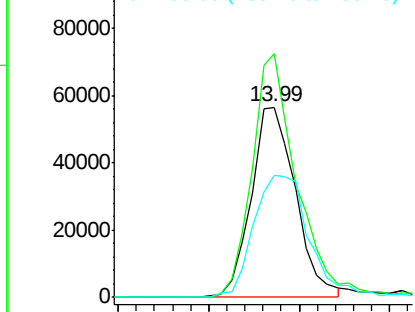
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 13.99 min Scan# 1904
Delta R.T. -0.06 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

Instrument :
BNA_M
ClientSampleId :

Tot Ion:164 Resp: 96020
Ion Ratio Lower Upper
164 100
162 128.1 82.4 123.6#
160 64.1 35.8 53.6#

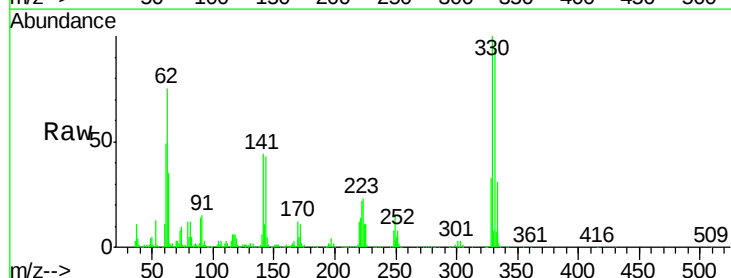


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

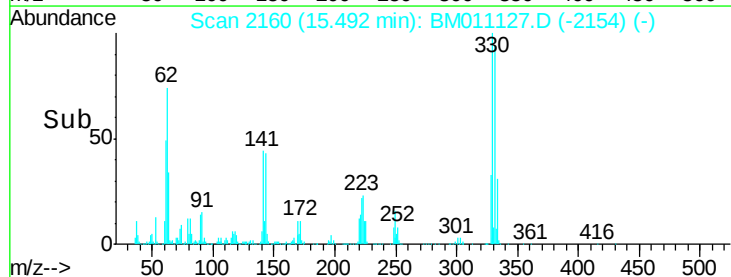
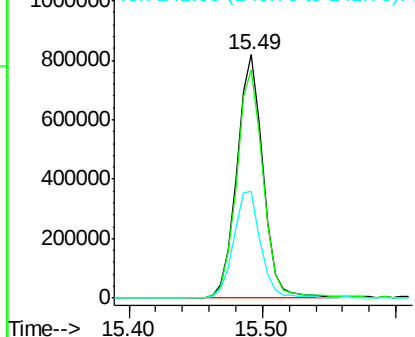


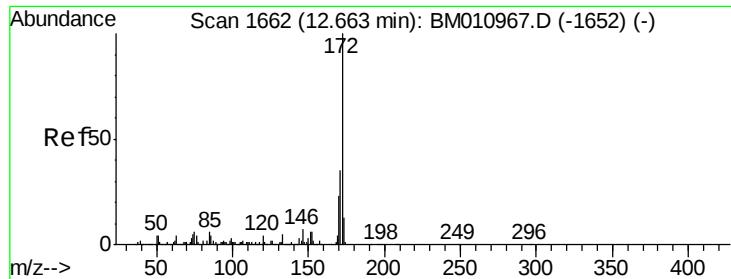
#41
2,4,6-Tribromophenol
Concen: 724.21 ng
RT: 15.49 min Scan# 2160
Delta R.T. -0.06 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

Tgt Ion:330 Resp: 1114551
Ion Ratio Lower Upper
330 100
332 95.3 0.0 0.0#
141 45.8 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

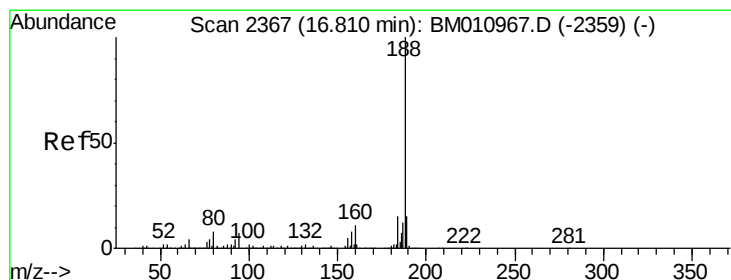
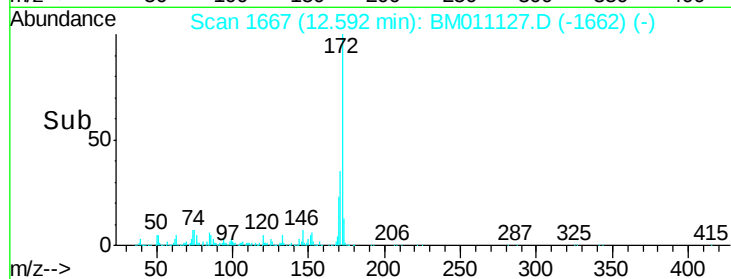
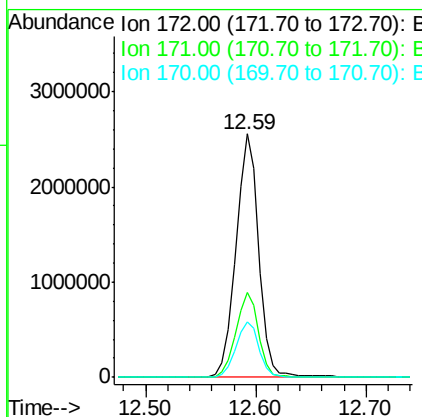
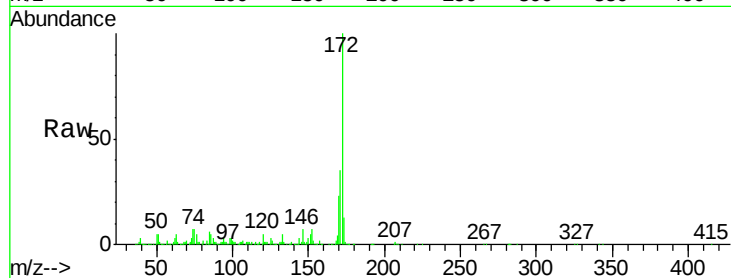




#44
2-Fluorobiphenyl
Concen: 483.79 ng
RT: 12.59 min Scan# 1667
Delta R.T. -0.07 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

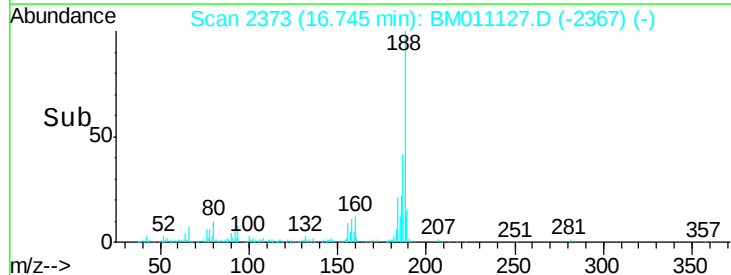
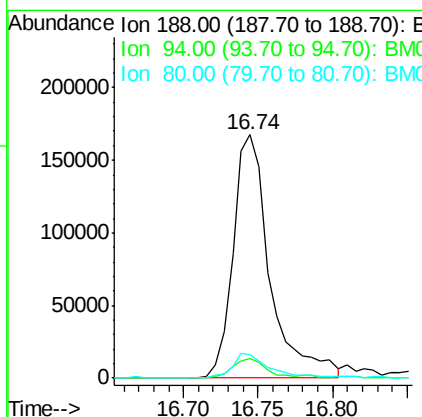
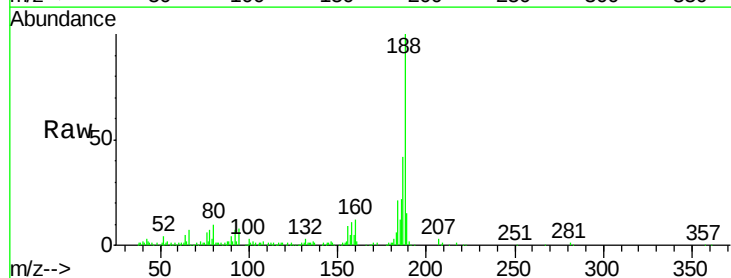
Instrument :
BNA_M
ClientSampleId :

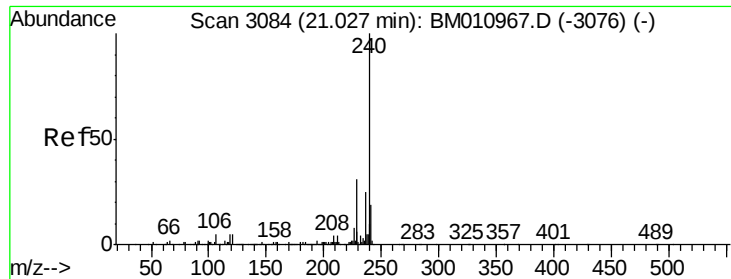
Tot Ion:172 Resp: 3703998
Ion Ratio Lower Upper
172 100
171 34.7 28.5 42.7
170 22.9 18.8 28.2



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 16.74 min Scan# 2373
Delta R.T. -0.06 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

Tgt Ion:188 Resp: 289251
Ion Ratio Lower Upper
188 100
94 7.9 8.7 13.1#
80 9.8 9.3 13.9

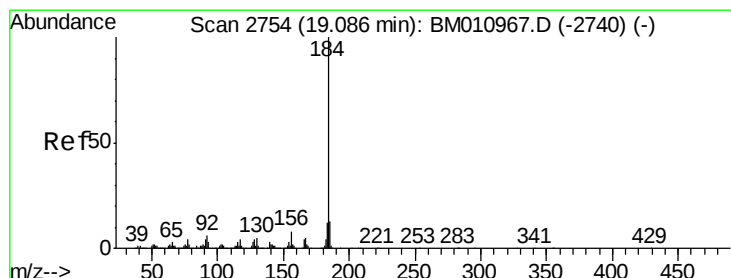
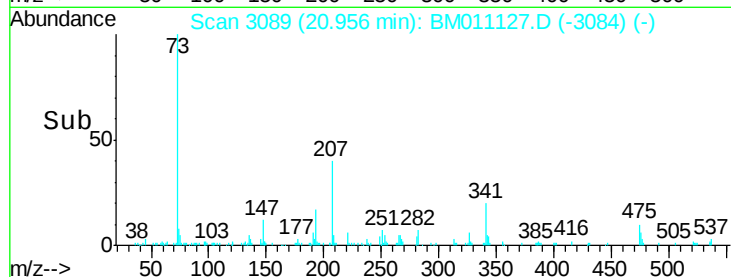
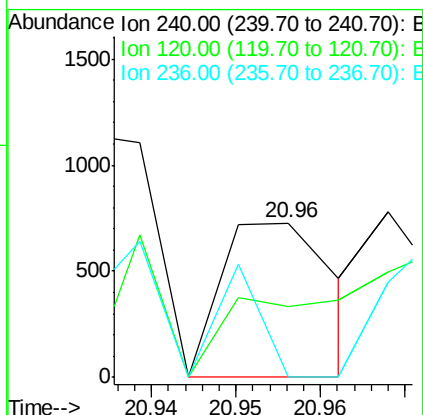
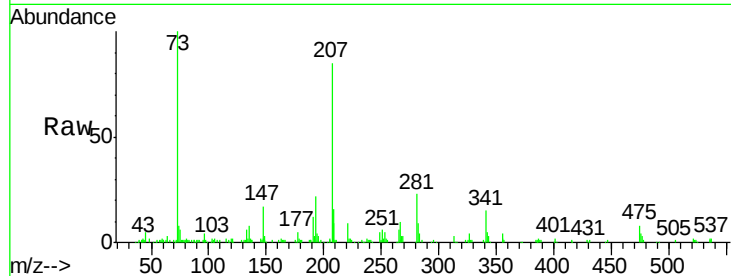




#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 20.96 min Scan# 3089
 Delta R.T. -0.07 min
 Lab File: BM011127.D
 Acq: 04 Aug 2017 21:00

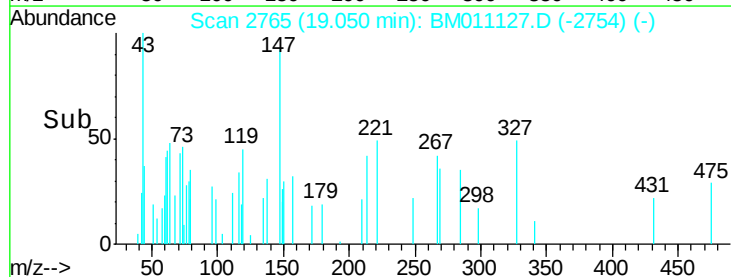
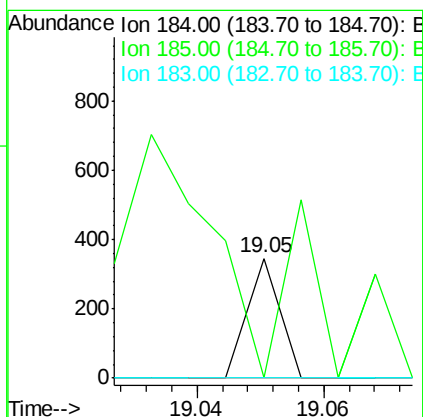
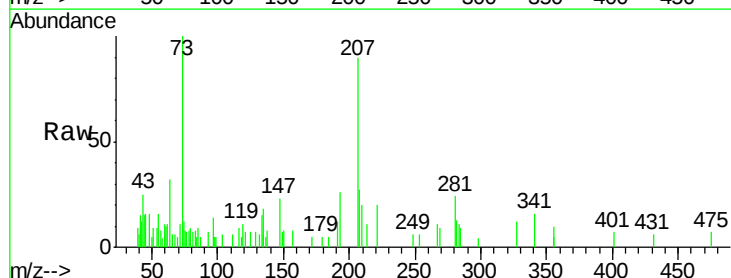
Instrument :
 BNA_M
 ClientSampleID :

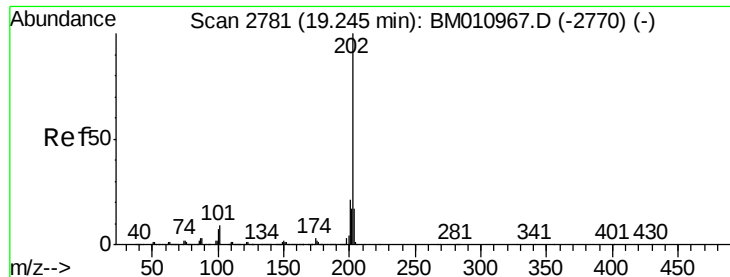
Tot Ion:240 Resp: 675
 Ion Ratio Lower Upper
 240 100
 120 46.0 8.2 12.2#
 236 0.0 20.0 30.0#



#76
 Benzidine
 Concen: 7.56 ng
 RT: 19.05 min Scan# 2765
 Delta R.T. -0.04 min
 Lab File: BM011127.D
 Acq: 04 Aug 2017 21:00

Tgt Ion:184 Resp: 122
 Ion Ratio Lower Upper
 184 100
 185 0.0 11.3 16.9#
 183 0.0 8.9 13.3#





#77

Pvrene

Concen: 14.49 ng

RT: 19.18 min Scan# 2787

Delta R.T. -0.06 min

Lab File: BM011127.D

Acq: 04 Aug 2017 21:00

Instrument :

BNA_M

ClientSampleId :

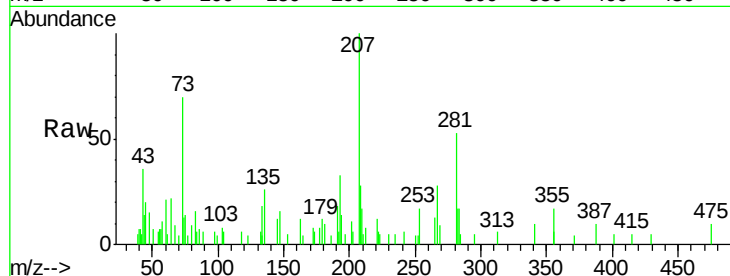
Tot Ion:202 Resp: 581

Ion Ratio Lower Upper

202 100

200 0.0 16.9 25.3#

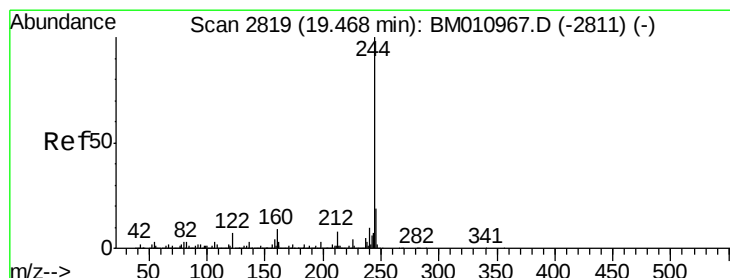
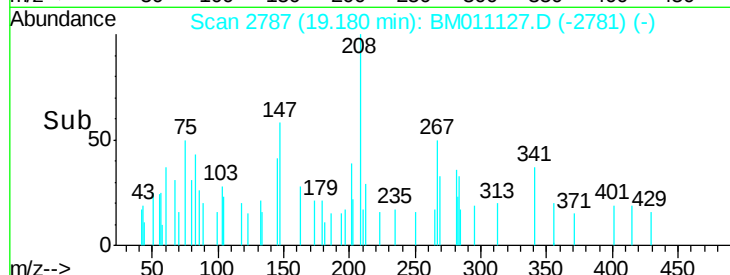
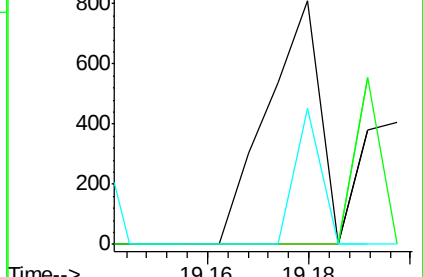
203 56.0 14.1 21.1#



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



#78

Terphenyl-d14

Concen: 2879.36 ng

RT: 19.41 min Scan# 2826

Delta R.T. -0.06 min

Lab File: BM011127.D

Acq: 04 Aug 2017 21:00

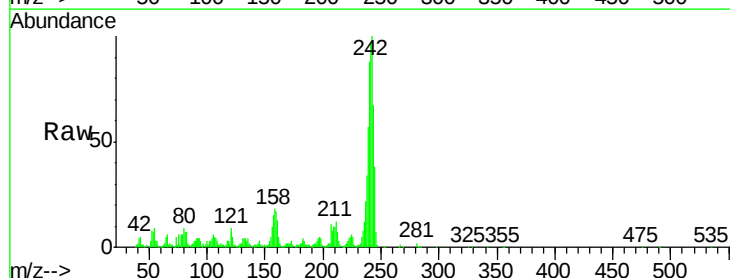
Tgt Ion:244 Resp: 98117

Ion Ratio Lower Upper

244 100

212 19.3 4.9 7.3#

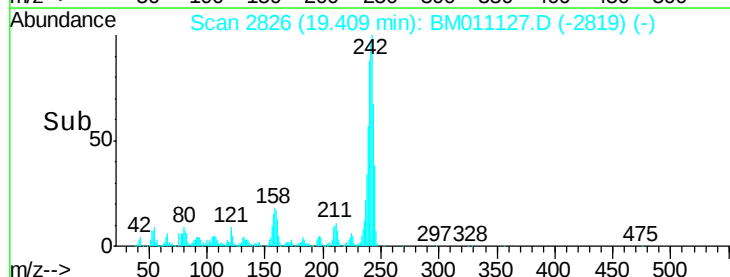
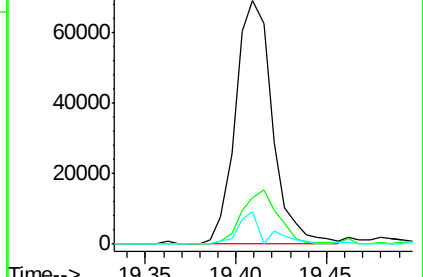
122 13.2 6.2 9.4#

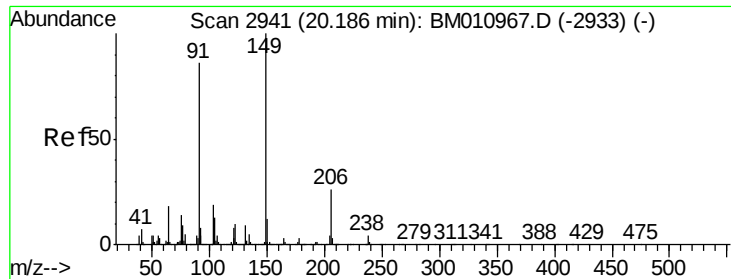


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

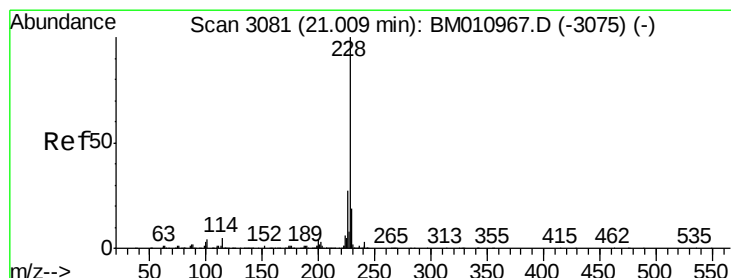
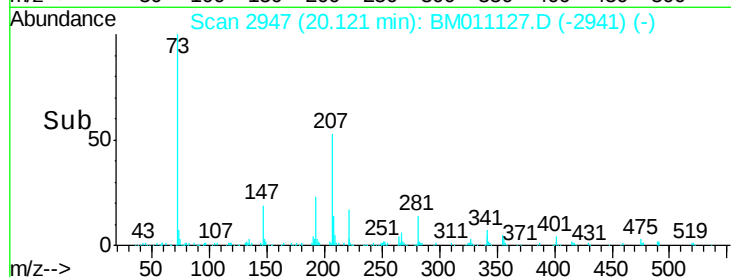
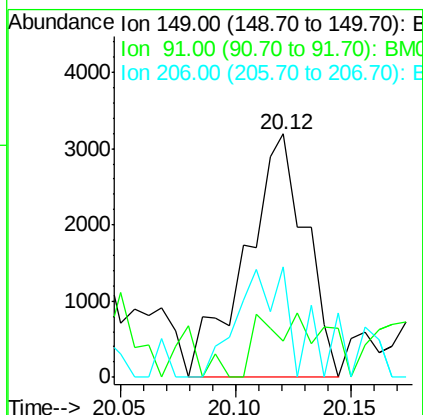
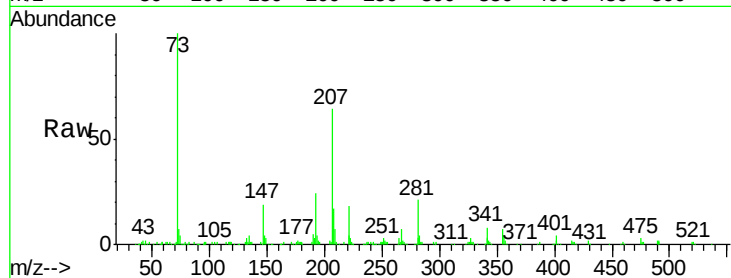




#79
Butylbenzylphthalate
Concen: 406.32 ng
RT: 20.12 min Scan# 2947
Delta R.T. -0.06 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

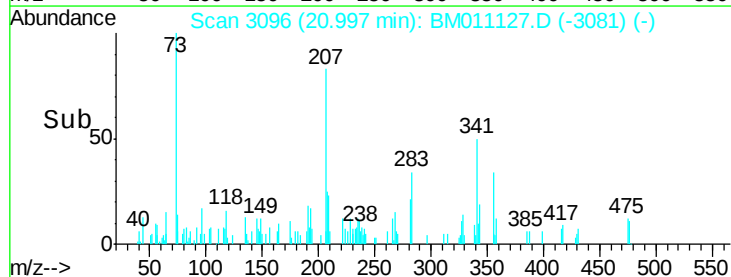
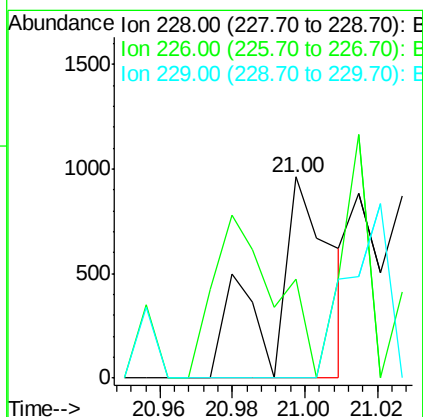
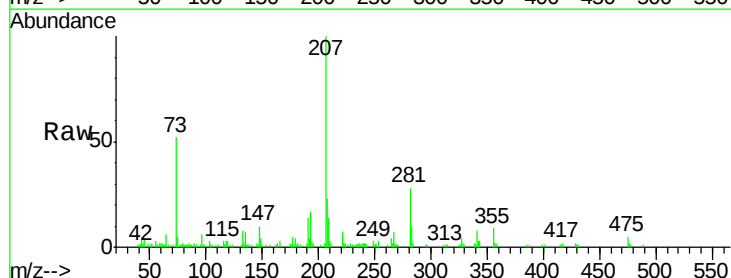
Instrument :
BNA_M
ClientSampleID :

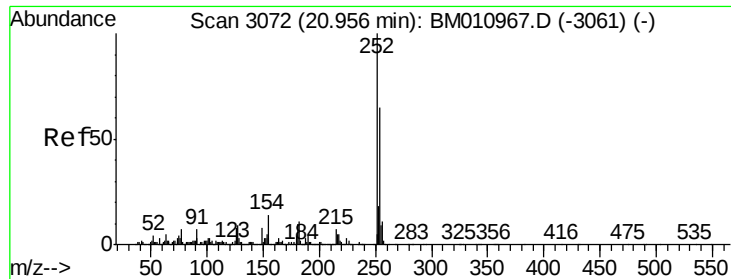
Tot Ion:149 Resp: 5795
Ion Ratio Lower Upper
149 100
91 15.1 50.1 75.1#
206 45.5 16.2 24.2#



#80
Benzo(a)anthracene
Concen: 28.49 ng
RT: 21.00 min Scan# 3096
Delta R.T. -0.01 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

Tgt Ion:228 Resp: 1098
Ion Ratio Lower Upper
228 100
226 49.5 21.7 32.5#
229 0.0 16.0 24.0#





#81

3,3'-Dichlorobenzidine

Concen: 37.37 ng

RT: 20.88 min Scan# 3076

Delta R.T. -0.08 min

Lab File: BM011127.D

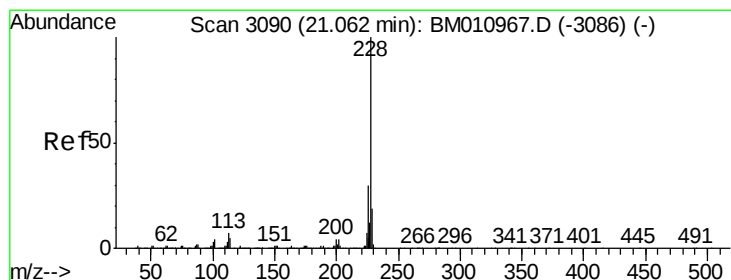
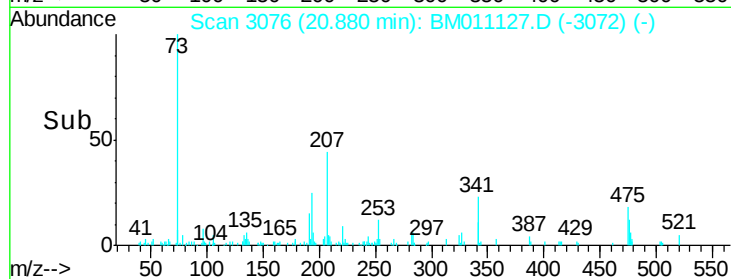
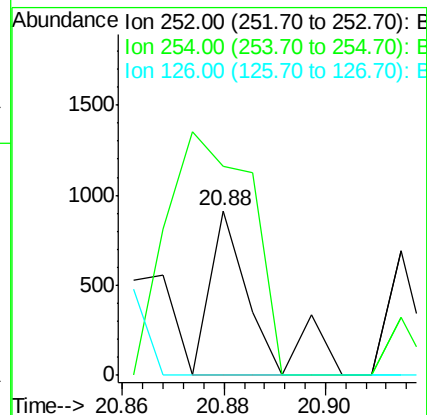
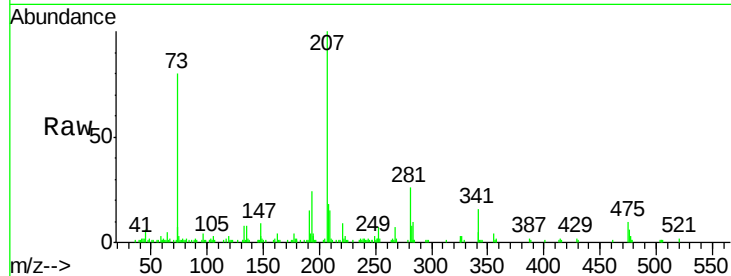
Acq: 04 Aug 2017 21:00

Instrument :

BNA_M

ClientSampleId :

Tot Ion:252	Resp:	565
Ion	Ratio	Lower Upper
252	100	
254	126.7	51.9 77.9#
126	0.0	9.8 14.8#



#82

Chrysene

Concen: 29.68 ng

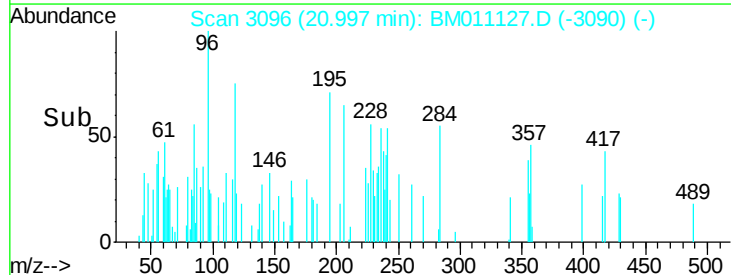
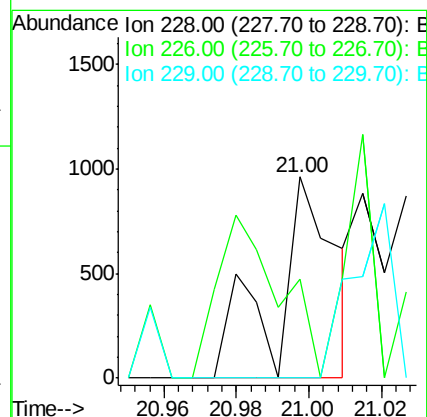
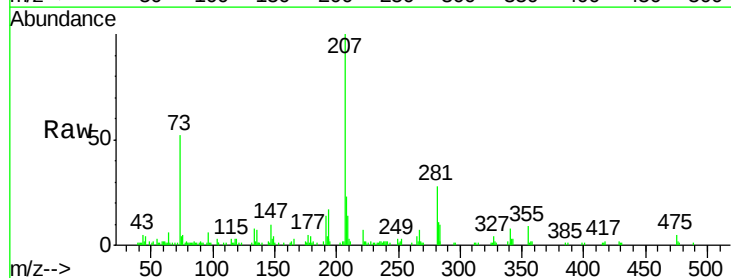
RT: 21.00 min Scan# 3096

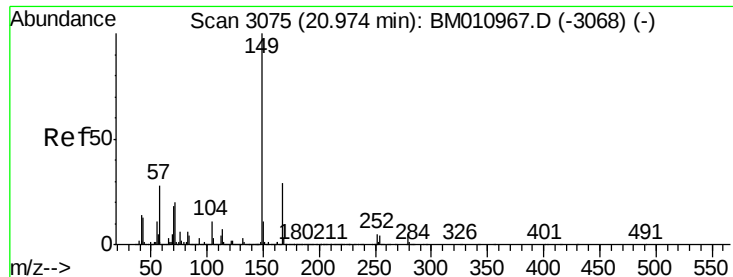
Delta R.T. -0.06 min

Lab File: BM011127.D

Acq: 04 Aug 2017 21:00

Tgt Ion:228	Resp:	1098
Ion	Ratio	Lower Upper
228	100	
226	49.5	24.1 36.1#
229	0.0	15.5 23.3#

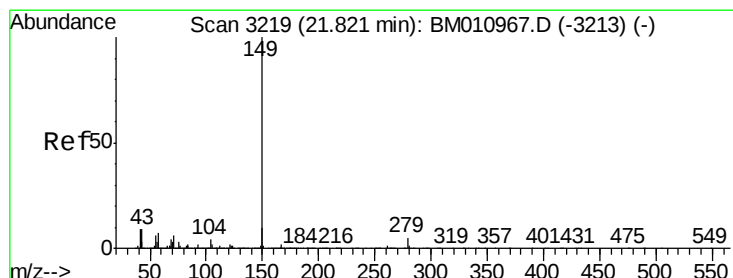
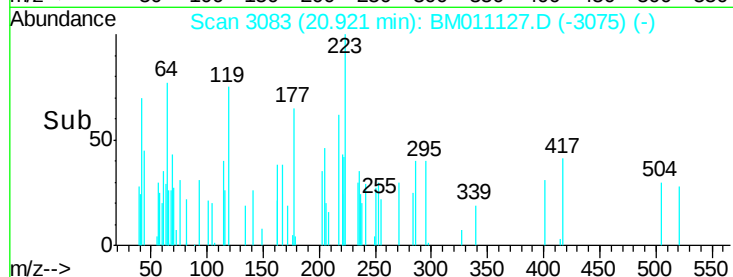
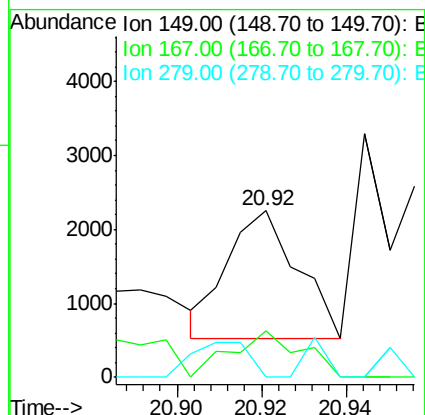
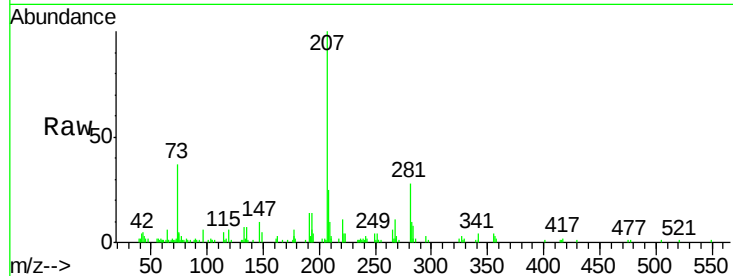




#83
 Bis(2-ethylhexyl)phthalate
 Concen: 94.61 ng
 RT: 20.92 min Scan# 3083
 Delta R.T. -0.05 min
 Lab File: BM011127.D
 Acq: 04 Aug 2017 21:00

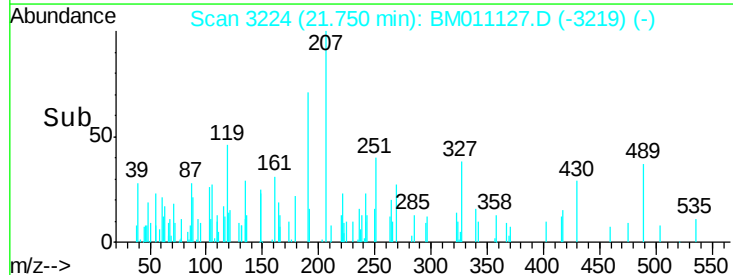
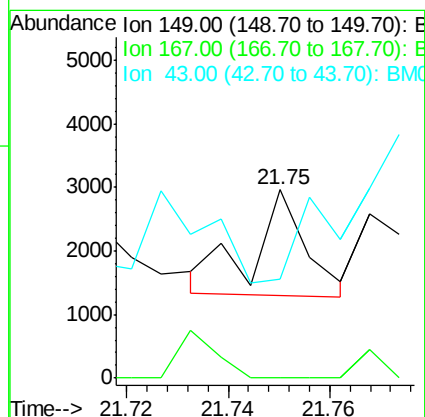
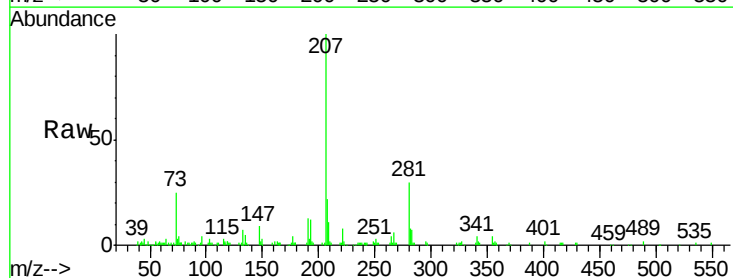
Instrument :
 BNA_M
 ClientSampleId :

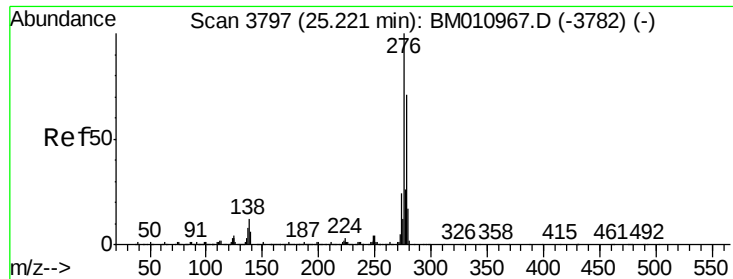
Tot Ion:149 Resp: 1985
 Ion Ratio Lower Upper
 149 100
 167 27.6 22.4 33.6
 279 0.0 3.4 5.0#



#84
 Di-n-octyl phthalate
 Concen: 35.21 ng
 RT: 21.75 min Scan# 3224
 Delta R.T. -0.07 min
 Lab File: BM011127.D
 Acq: 04 Aug 2017 21:00

Tgt Ion:149 Resp: 1199
 Ion Ratio Lower Upper
 149 100
 167 0.0 1.2 1.8#
 43 0.0 7.3 10.9#

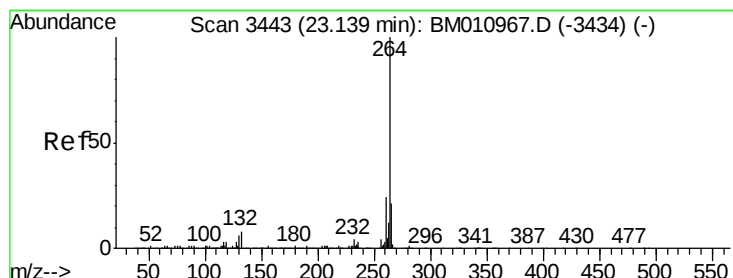
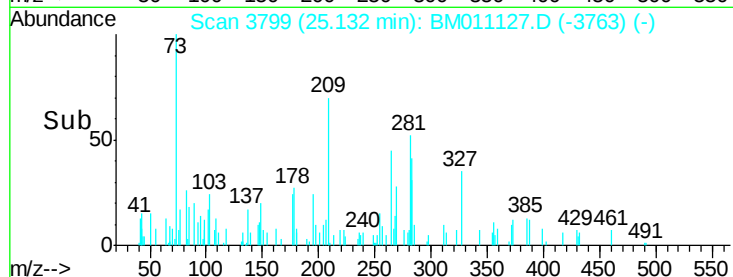
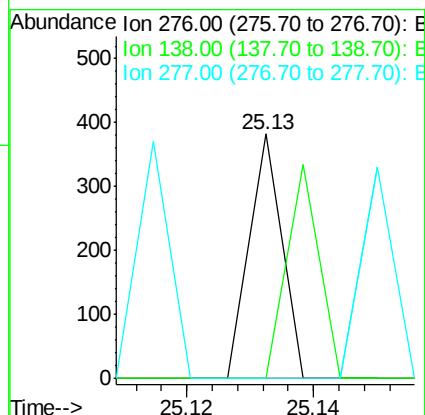
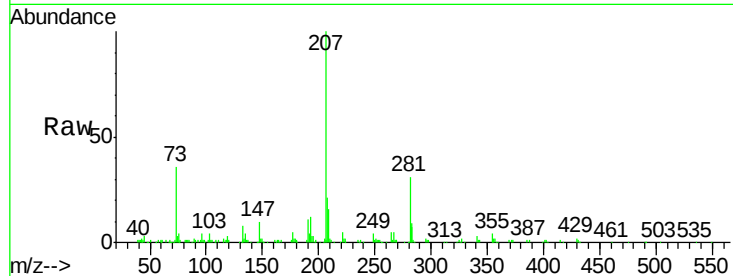




#85
Indeno(1,2,3-cd)pyrene
Concen: 3.52 ng
RT: 25.13 min Scan# 3799
Delta R.T. -0.09 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

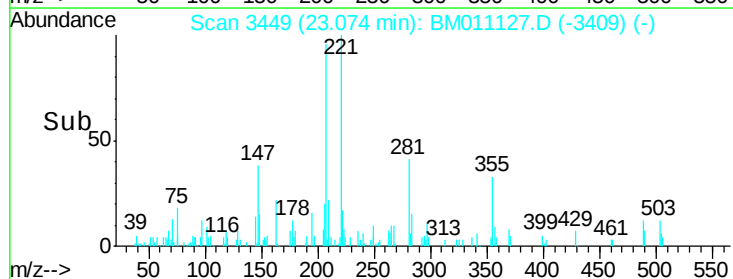
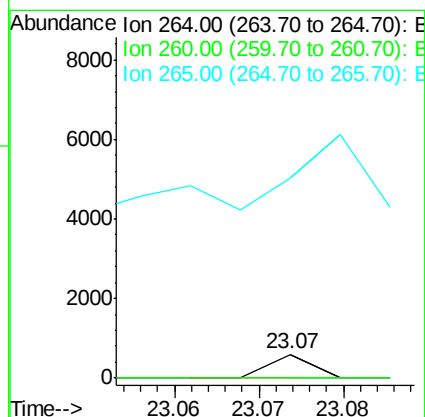
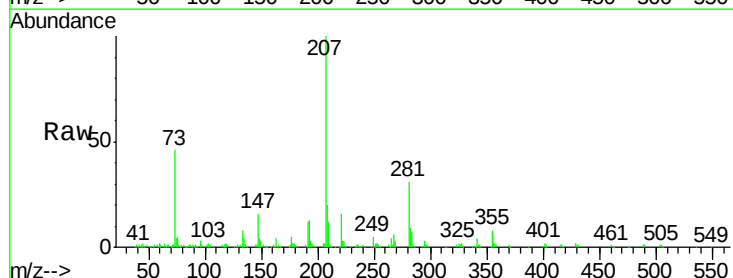
Instrument :
BNA_M
ClientSampleId :

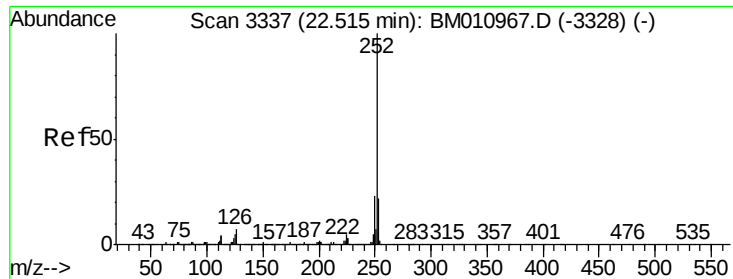
Tot Ion	Ratio	Lower	Upper
276	100		
138	87.4	12.0	18.0#
277	85.9	20.0	30.0#



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.07 min Scan# 3449
Delta R.T. -0.06 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

Tgt Ion	Ratio	Lower	Upper
264	100		
260	0.0	18.6	27.8#
265	832.2	17.3	25.9#

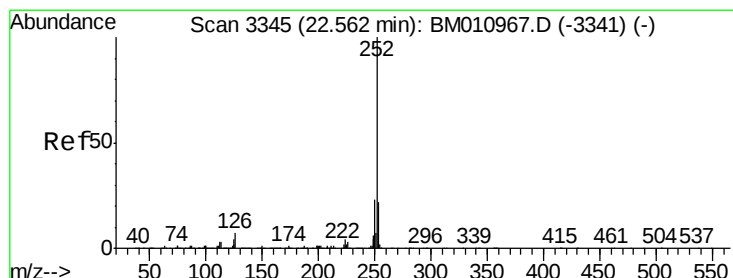
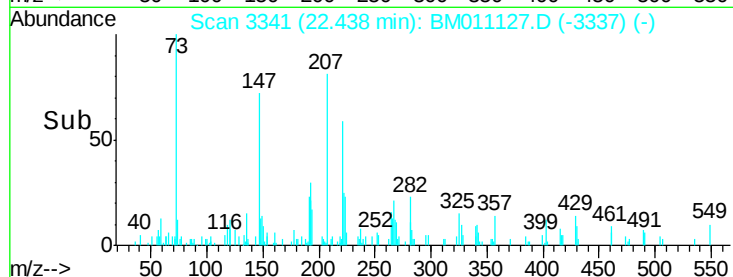
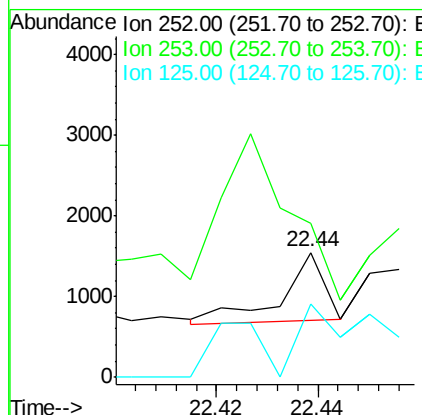
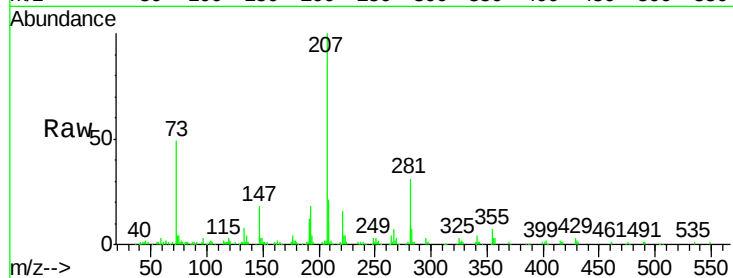




#87
Benzo(b)fluoranthene
Concen: 36.50 ng
RT: 22.44 min Scan# 3341
Delta R.T. -0.08 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

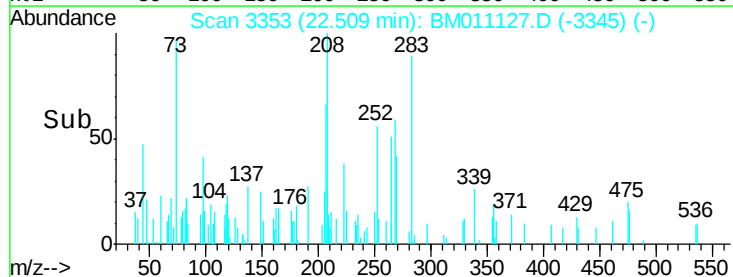
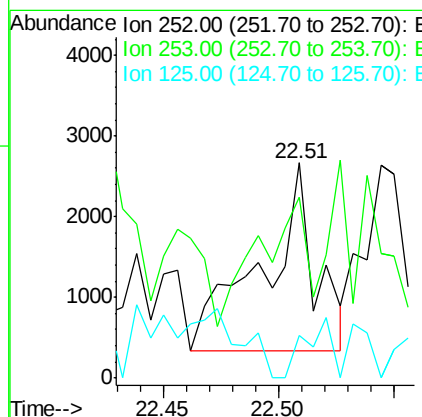
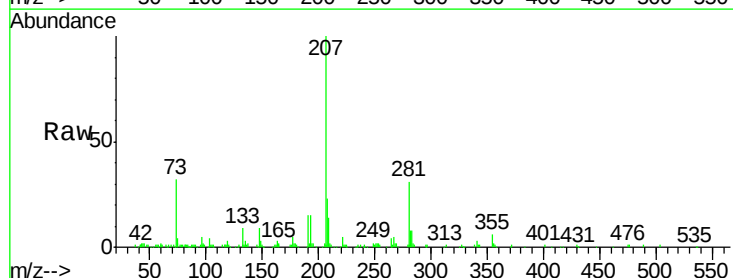
Instrument :
BNA_M
ClientSampled :

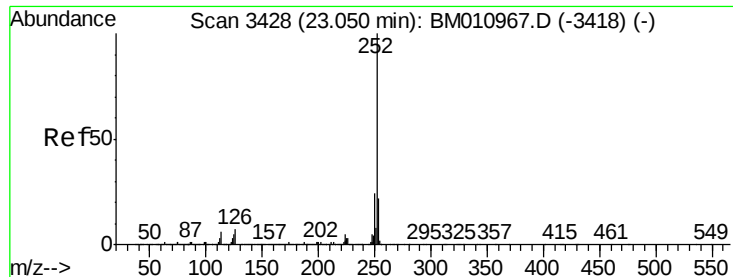
Tot Ion:252 Resp: 499
Ion Ratio Lower Upper
252 100
253 123.4 18.0 27.0#
125 59.3 9.9 14.9#



#88
Benzo(k)fluoranthene
Concen: 282.38 ng
RT: 22.51 min Scan# 3353
Delta R.T. -0.05 min
Lab File: BM011127.D
Acq: 04 Aug 2017 21:00

Tgt Ion:252 Resp: 3700
Ion Ratio Lower Upper
252 100
253 84.1 17.2 25.8#
125 20.0 8.1 12.1#





#89

Benzo(a)pyrene

Concen: 108.97 ng

RT: 23.00 min Scan# 3436

Delta R.T. -0.05 min

Lab File: BM011127.D

Acq: 04 Aug 2017 21:00

Instrument :

BNA_M

ClientSampleId :

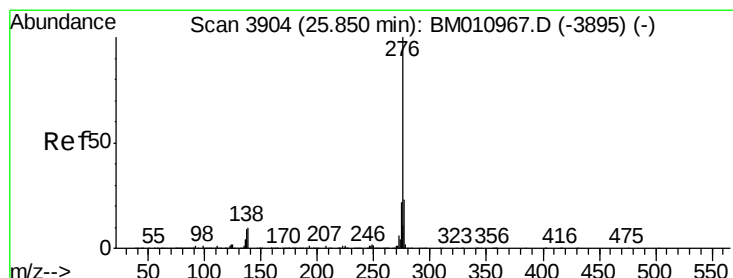
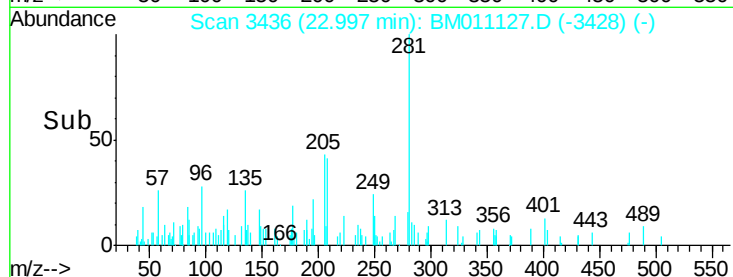
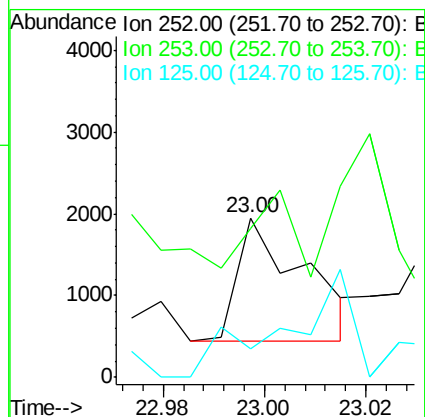
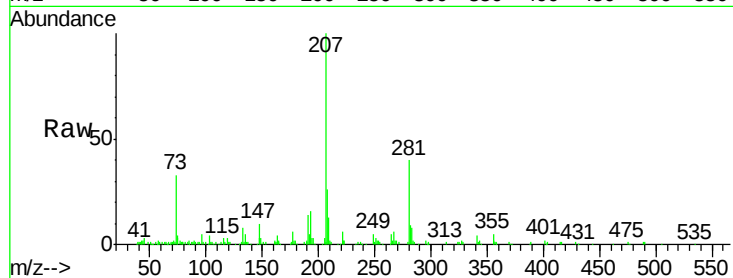
Tot Ion:252 Resp: 1348

Ion Ratio Lower Upper

252 100

253 93.9 17.6 26.4#

125 17.9 7.4 11.2#



#91

Benzo(g,h,i)perylene

Concen: 20.51 ng

RT: 25.77 min Scan# 3908

Delta R.T. -0.08 min

Lab File: BM011127.D

Acq: 04 Aug 2017 21:00

Tgt Ion:276 Resp: 231

Ion Ratio Lower Upper

276 100

277 0.0 18.5 27.7#

138 0.0 19.0 28.6#

