

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM101918\
 Data File : BM017244.D
 Acq On : 19 Oct 2018 23:41
 Operator : MJ/SJ
 Sample : J5575-10
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Oct 20 03:55:59 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM101718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 17 14:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	270765	20.00	ng	-0.01
21) Naphthalene-d8	10.44	136	1151957	20.00	ng	-0.01
39) Acenaphthene-d10	14.30	164	691834	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	1520312	20.00	ng	-0.01
76) Chrysene-d12	21.25	240	1509700	20.00	ng	-0.01
87) Perylene-d12	23.46	264	1381134	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.28	112	1415789	88.44	ng	0.00
7) Phenol-d6	6.85	99	1974578	90.56	ng	-0.01
23) Nitrobenzene-d5	8.82	82	1195493	60.70	ng	-0.02
42) 2,4,6-Tribromophenol	15.80	330	811309	86.71	ng	-0.01
45) 2-Fluorobiphenyl	12.92	172	2742715	52.75	ng	-0.01
79) Terphenyl-d14	19.69	244	3616551	54.00	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	3.26	88	259	0.032	ng	# 34
3) Pyridine	3.63	79	138	0.007	ng	# 1
4) n-Nitrosodimethylamine	3.60	42	534	0.071	ng	# 1
8) 2-Chlorophenol	7.23	128	160	0.009	ng	# 1
9) Benzaldehyde	6.85	77	5985	0.431	ng	# 1
10) Phenol	6.87	94	186406	7.944	ng	99
15) Benzyl Alcohol	7.98	79	15946	1.001	ng	# 54
20) 3+4-Methylphenols	8.45	107	134	0.007	ng	# 45
22) Acetophenone	8.48	105	108	0.004	ng	# 53
24) Nitrobenzene	8.81	77	4419	0.212	ng	# 37
31) Naphthalene	10.49	128	611154	10.826	ng	99
37) 2-Methylnaphthalene	12.11	142	140974	3.649	ng	97
38) 1-Methylnaphthalene	12.33	142	72003	1.915	ng	# 97
46) 1,1'-Biphenyl	13.13	154	64197	1.031	ng	99
49) Acenaphthylene	14.03	152	38102	0.574	ng	99
50) Dimethylphthalate	13.77	163	256370	4.803	ng	99
52) Acenaphthene	14.37	154	377572	9.058	ng	98
55) Dibenzofuran	14.70	168	373404	5.387	ng	97
56) 4-Nitrophenol	14.52	139	365	4.746	ng	# 8
57) 2,4-Dinitrotoluene	14.67	165	510	0.032	ng	# 40
58) Fluorene	15.36	166	412145	8.033	ng	98
60) Diethylphthalate	15.15	149	1417	0.027	ng	# 80
62) 4-Nitroaniline	15.36	138	4720	5.054	ng	# 18
63) Azobenzene	15.66	77	3137	0.061	ng	# 1
66) n-Nitrosodiphenylamine	15.57	169	2062	0.045	ng	# 1
71) Phenanthrene	17.10	178	2494587	30.412	ng	100
72) Anthracene	17.19	178	492257	6.316	ng	99
73) Carbazole	17.46	167	241456	3.033	ng	99
74) Di-n-butylphthalate	18.03	149	2664	0.032	ng	# 64
75) Fluoranthene	19.12	202	1812529	19.637	ng	99
77) Benzidine	19.34	184	353	0.009	ng	# 66
78) Pyrene	19.48	202	1305296	15.470	ng	99
80) Butylbenzylphthalate	20.40	149	620	7.192	ng	# 81
81) Benzo(a)anthracene	21.23	228	463207	5.452	ng	100

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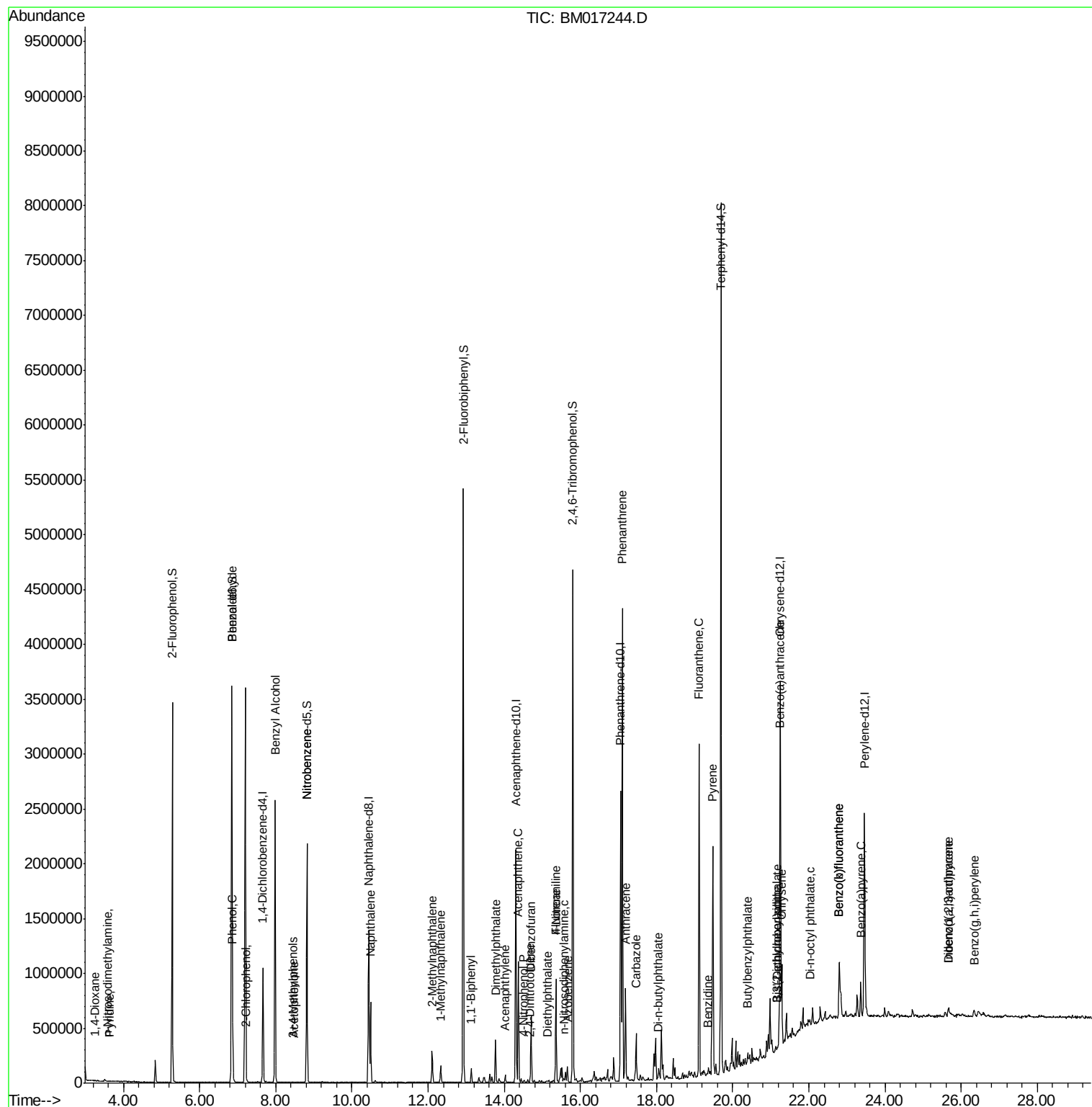
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) 3,3'-Dichlorobenzidine	21.17	252	1866	0.059	nq	# 75
83) Chrysene	21.29	228	414115	4.925	nq	99
84) Bis(2-ethylhexyl)phthalate	21.17	149	4888	5.396	nq	# 98
85) Di-n-octyl phthalate	22.05	149	631	5.578	nq	# 1
86) Indeno(1,2,3-cd)pyrene	25.67	276	72727	0.773	nq	94
88) Benzo(b)fluoranthene	22.80	252	344017	4.556	nq	94
89) Benzo(k)fluoranthene	22.80	252	344017	4.540	nq	95
90) Benzo(a)pyrene	23.36	252	169355	2.362	nq	97
91) Dibenzo(a,h)anthracene	25.67	278	23096	0.324	nq	95
92) Benzo(a,h,i)perylene	26.34	276	64948	0.920	nq	96

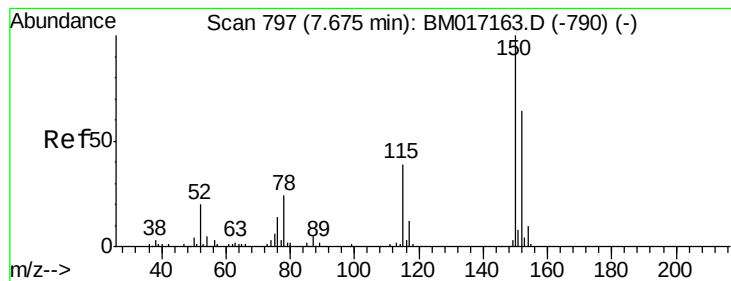
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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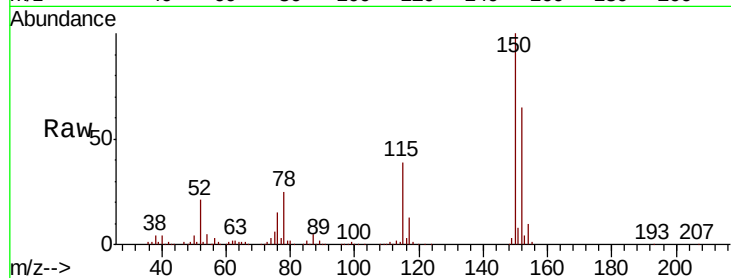


#1

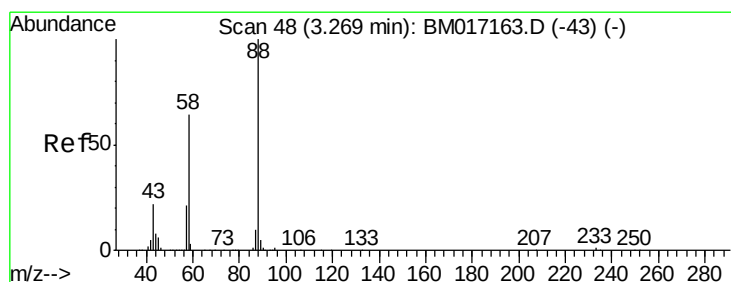
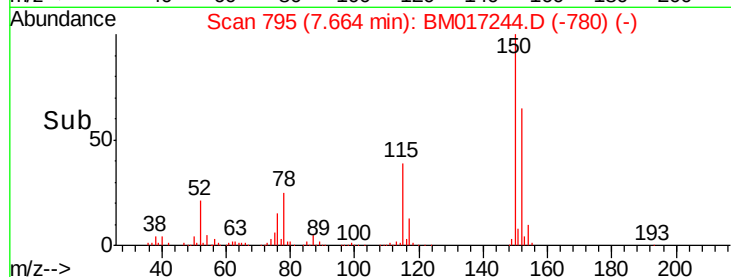
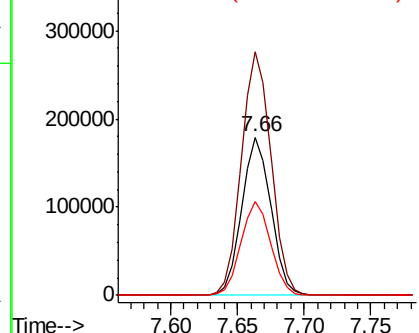
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.66 min Scan# 795
Delta R.T. -0.01 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

Instrument :
BNA_M
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.7	124.3	186.5
115	59.2	48.1	72.1



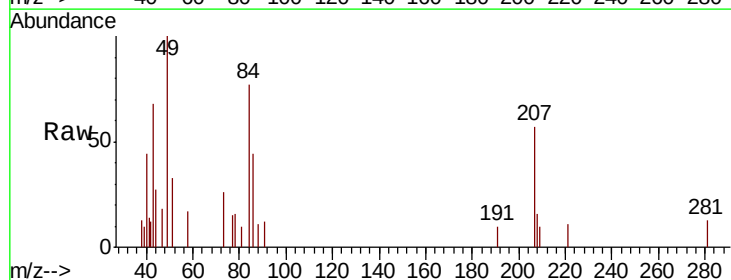
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



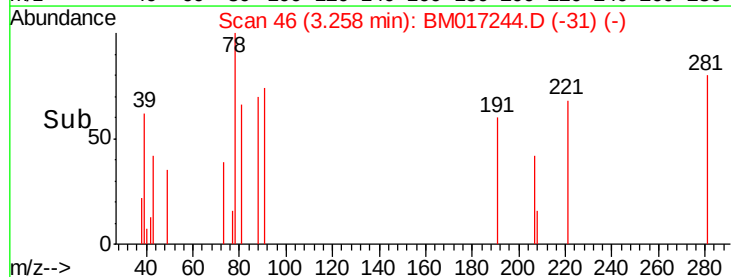
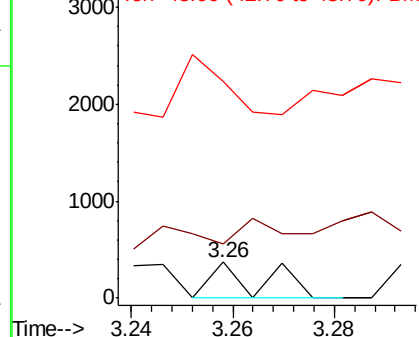
#2

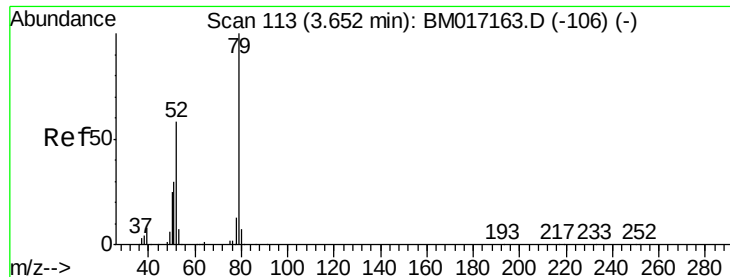
1,4-Dioxane
Concen: 0.032 ng
RT: 3.26 min Scan# 46
Delta R.T. -0.01 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

Tgt Ion	Ratio	Lower	Upper
88	100		
58	58.7	50.2	75.4
43	134.7	19.3	28.9



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





#3

Pvridine

Concen: 0.007 ng

RT: 3.63 min Scan# 109

Delta R.T. -0.02 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

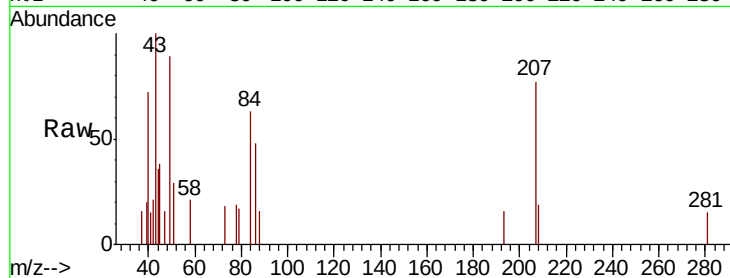
Tot Ion: 79 Resp: 138

Ion Ratio Lower Upper

79 100

52 0.0 46.5 69.7#

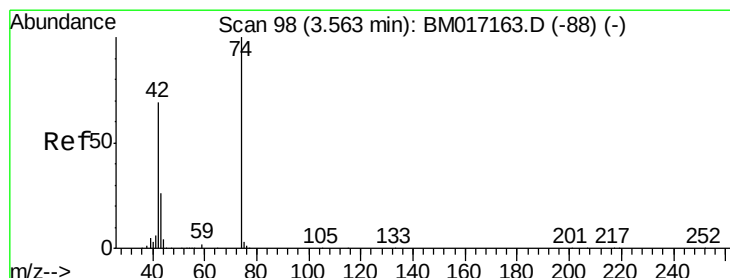
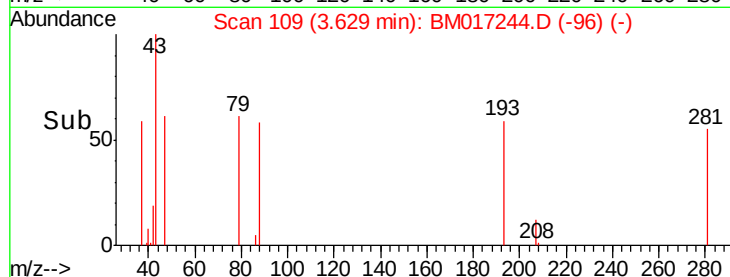
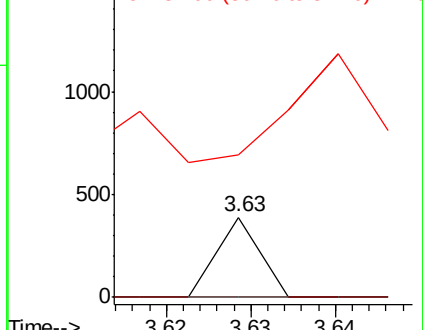
51 177.5 24.6 37.0#



Abundance Ion 79.00 (78.70 to 79.70): BM017163.D (-106) (-)

Ion 52.00 (51.70 to 52.70): BM017163.D (-106) (-)

Ion 51.00 (50.70 to 51.70): BM017163.D (-106) (-)



#4

n-Nitrosodimethylamine

Concen: 0.071 ng

RT: 3.60 min Scan# 104

Delta R.T. 0.04 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

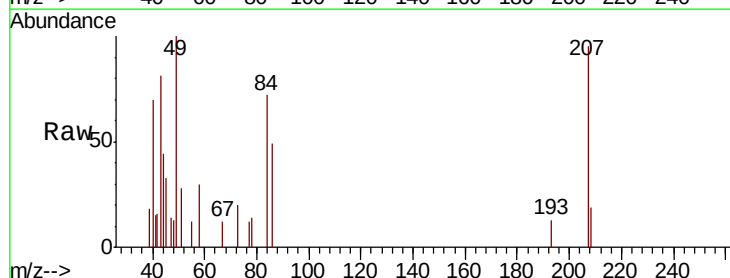
Tgt Ion: 42 Resp: 534

Ion Ratio Lower Upper

42 100

74 0.0 114.4 171.6#

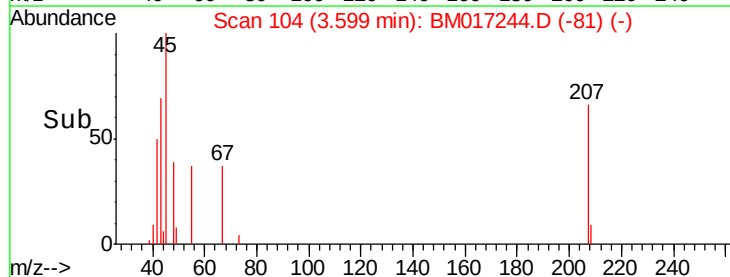
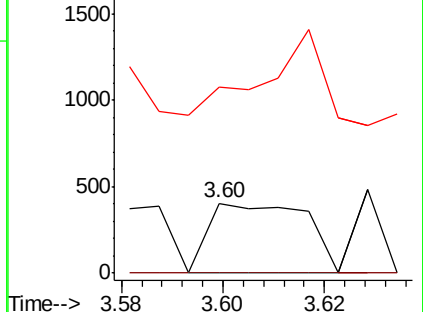
44 266.7 48.6 73.0#

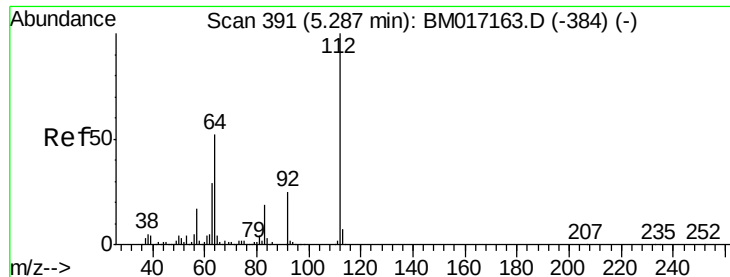


Abundance Ion 42.00 (41.70 to 42.70): BM017163.D (-88) (-)

Ion 74.00 (73.70 to 74.70): BM017163.D (-88) (-)

Ion 44.00 (43.70 to 44.70): BM017163.D (-88) (-)





#5

2-Fluorophenol

Concen: 88.437 ng

RT: 5.28 min Scan# 390

Delta R.T. -0.00 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampled :

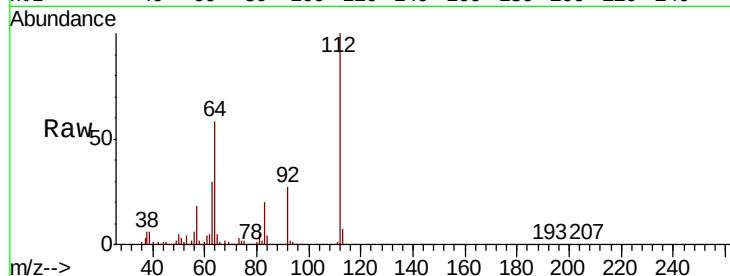
Tot Ion:112 Resp: 1415789

Ion Ratio Lower Upper

112 100

64 57.6 41.7 62.5

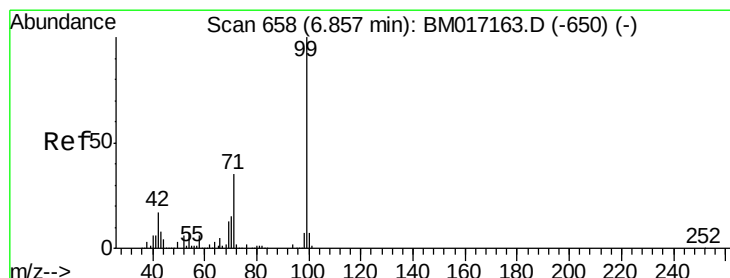
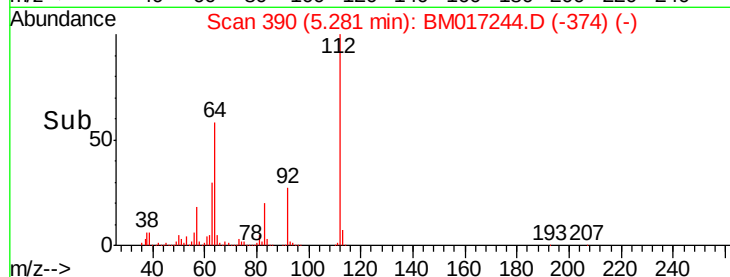
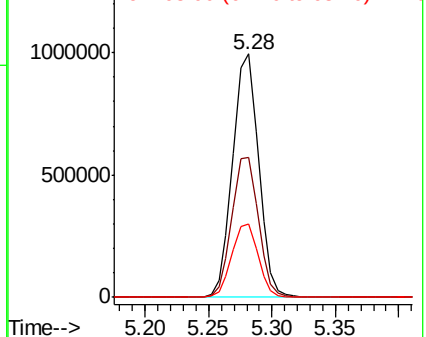
63 30.3 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): B

Ion 64.00 (63.70 to 64.70): BM

Ion 63.00 (62.70 to 63.70): BM



#7

Phenol-d6

Concen: 90.563 ng

RT: 6.85 min Scan# 656

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

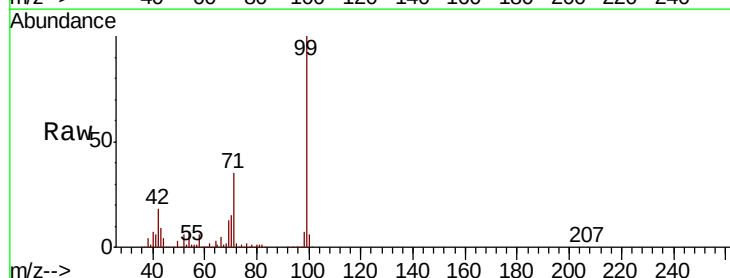
Tgt Ion: 99 Resp: 1974578

Ion Ratio Lower Upper

99 100

42 17.7 13.3 19.9

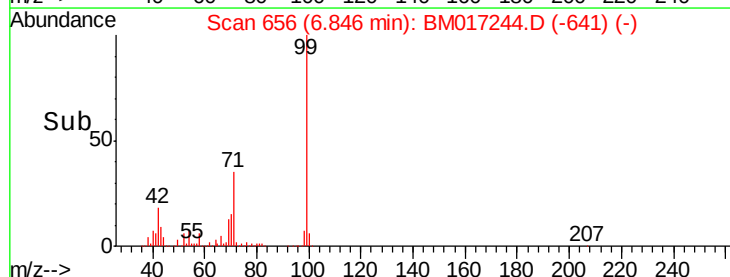
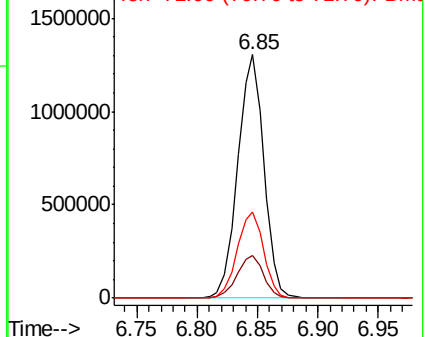
71 35.5 28.0 42.0

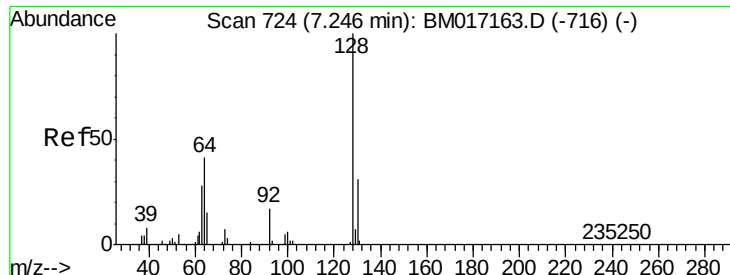


Abundance Ion 99.00 (98.70 to 99.70): BM

Ion 42.00 (41.70 to 42.70): BM

Ion 71.00 (70.70 to 71.70): BM





#8

2-Chlorophenol

Concen: 0.009 ng

RT: 7.23 min Scan# 722

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

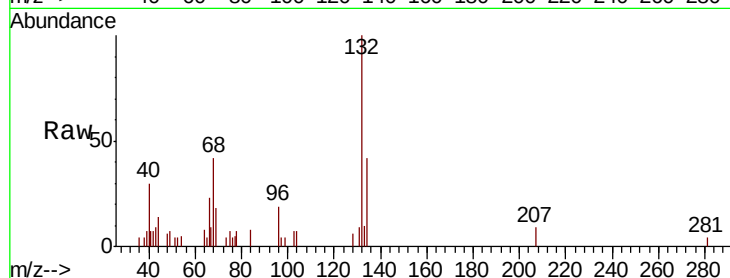
Tot Ion:128 Resp: 160

Ion Ratio Lower Upper

128 100

130 0.0 11.0 51.0#

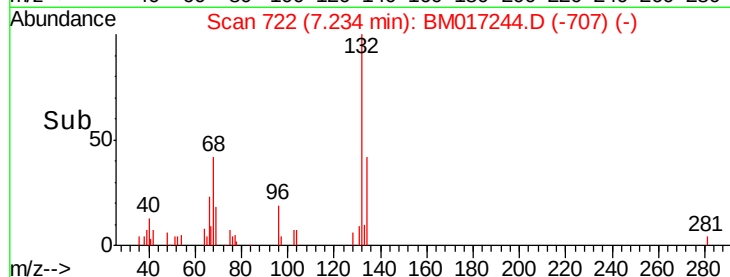
64 136.6 24.1 64.1#



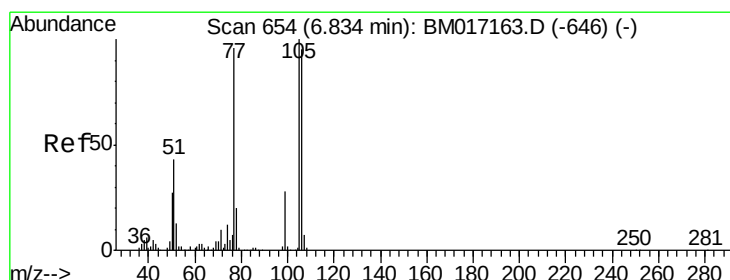
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BM



Time-->



#9

Benzaldehyde

Concen: 0.431 ng

RT: 6.85 min Scan# 657

Delta R.T. 0.02 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

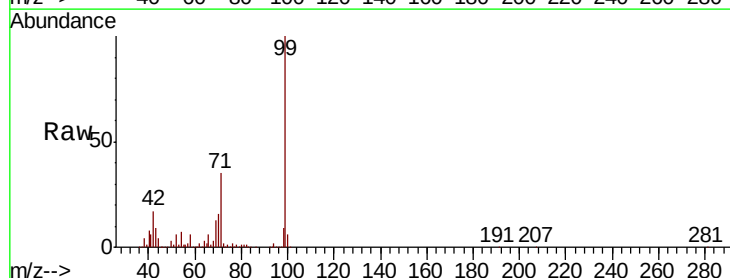
Tgt Ion: 77 Resp: 5985

Ion Ratio Lower Upper

77 100

105 0.0 83.9 123.9#

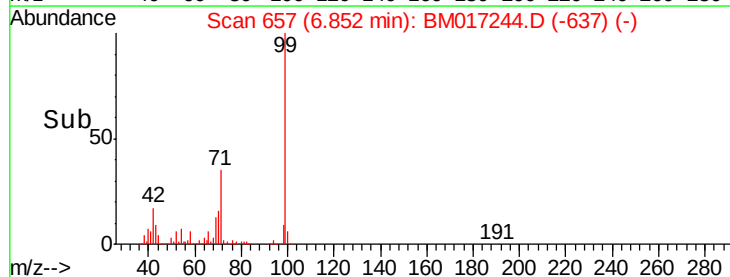
106 0.0 78.2 118.2#



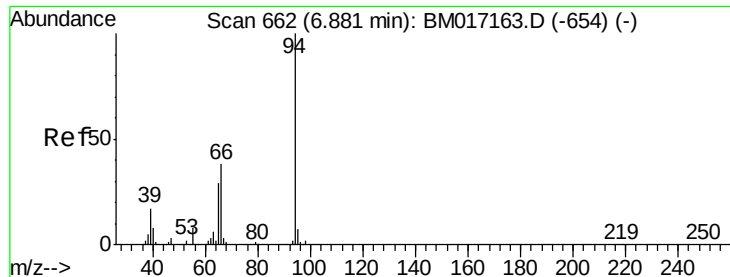
Abundance Ion 77.00 (76.70 to 77.70): BM

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



Time-->



#10

Phenol

Concen: 7.944 ng

RT: 6.87 min Scan# 660

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

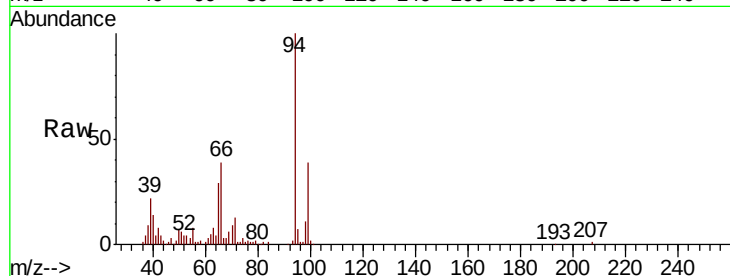
Tot Ion: 94 Resp: 186406

Ion Ratio Lower Upper

94 100

65 29.1 9.4 49.4

66 38.5 19.0 59.0



Abundance Ion 94.00 (93.70 to 94.70): BM017163.D (-654) (-)

Ion 65.00 (64.70 to 65.70): BM017163.D (-654) (-)

Ion 66.00 (65.70 to 66.70): BM017163.D (-654) (-)

6.87

150000

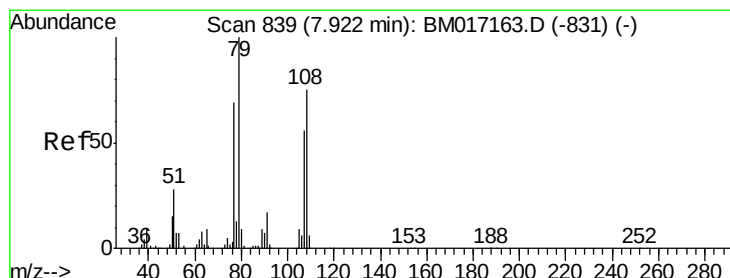
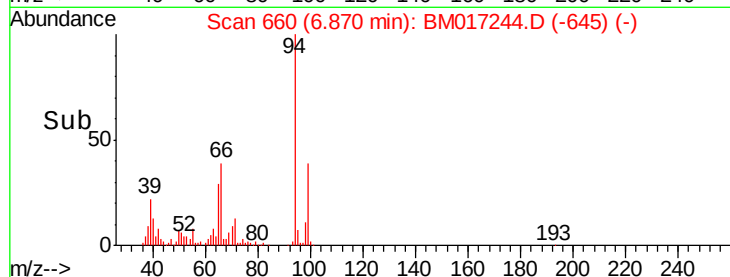
100000

50000

0

6.80 6.85 6.90 6.95

Time-->



#15

Benzyl Alcohol

Concen: 1.001 ng

RT: 7.98 min Scan# 849

Delta R.T. 0.06 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

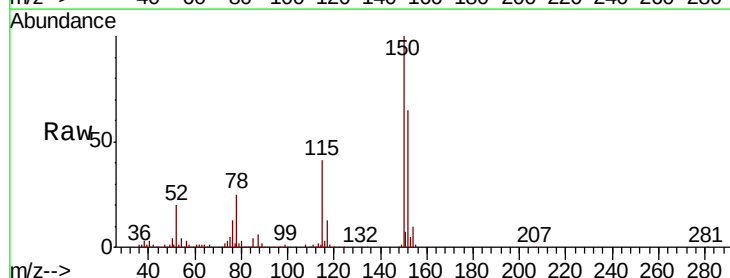
Tgt Ion: 79 Resp: 15946

Ion Ratio Lower Upper

79 100

108 38.2 60.3 90.5#

77 108.0 54.8 82.2#



Abundance Ion 79.00 (78.70 to 79.70): BM017163.D (-831) (-)

Ion 108.00 (107.70 to 108.70): BM017163.D (-831) (-)

Ion 77.00 (76.70 to 77.70): BM017163.D (-831) (-)

7.98

15000

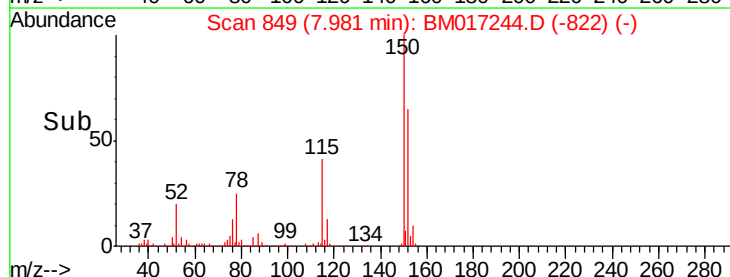
10000

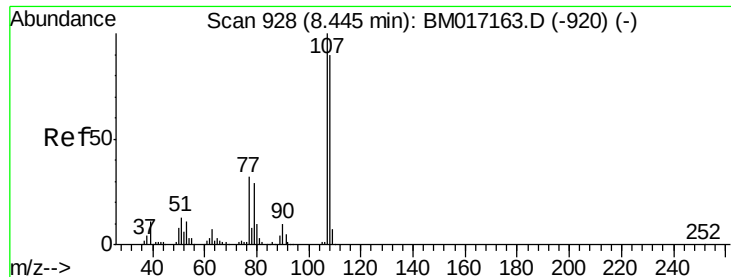
5000

0

7.92 7.94 7.96 7.98 8.00

Time-->

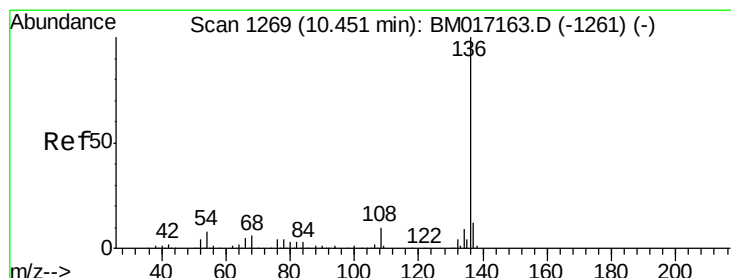
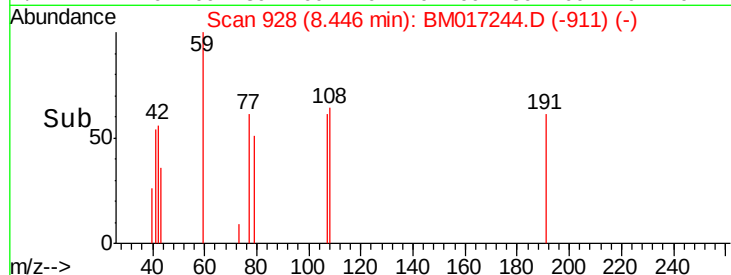
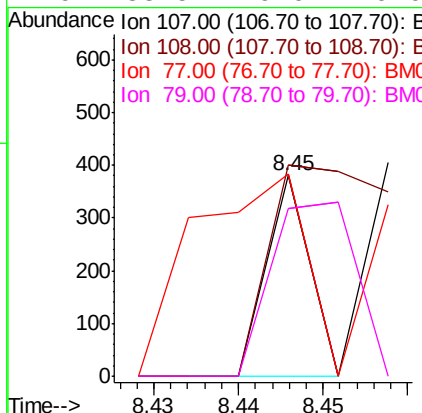
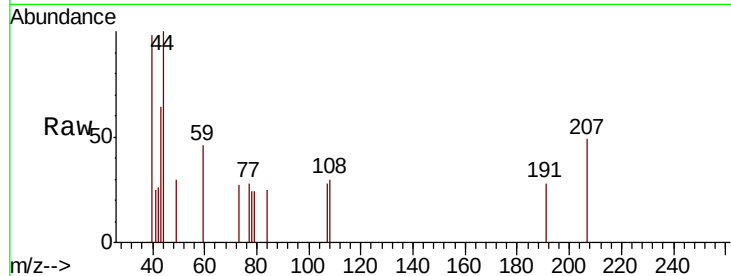




#20
3+4-Methylphenols
Concen: 0.007 ng
RT: 8.45 min Scan# 928
Delta R.T. 0.00 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

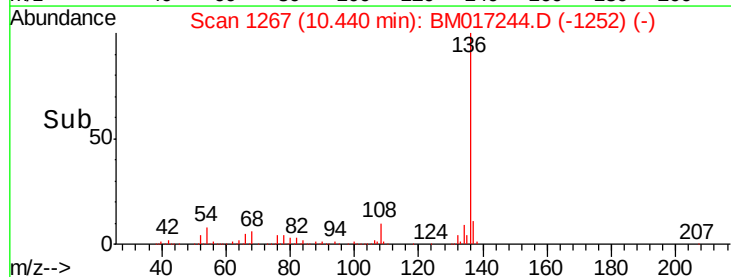
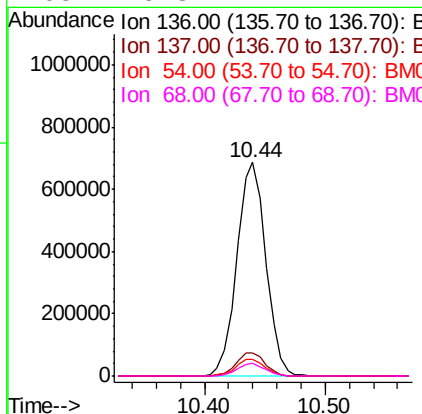
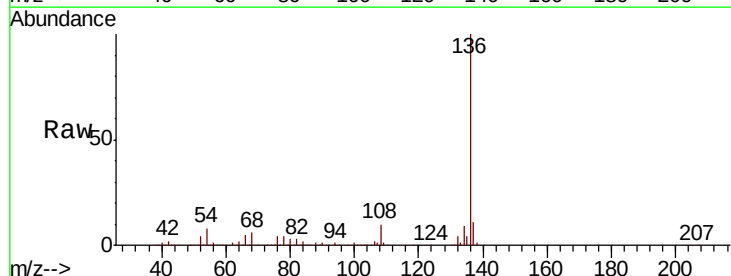
Instrument :
BNA_M
ClientSampleId :

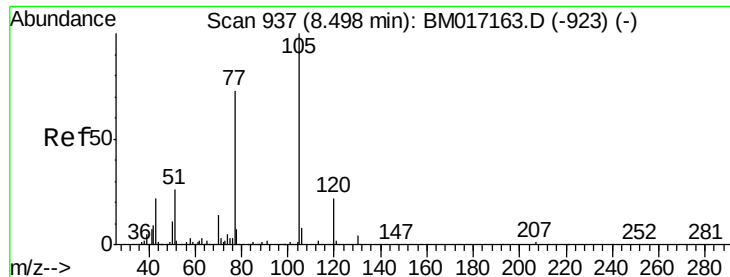
Tot Ion:	107	Resp:	134
Ion	Ratio	Lower	Upper
107	100		
108	105.2	69.9	109.9
77	100.5	12.2	52.2#
79	83.5	9.0	49.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.44 min Scan# 1267
Delta R.T. -0.01 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

Tgt Ion:	136	Resp:	1151957
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.2	13.8
54	7.9	6.7	10.1
68	5.8	4.7	7.1





#22

Acetophenone

Concen: 0.004 ng

RT: 8.48 min Scan# 934

Delta R.T. -0.02 min

Lab File: BM017244.D

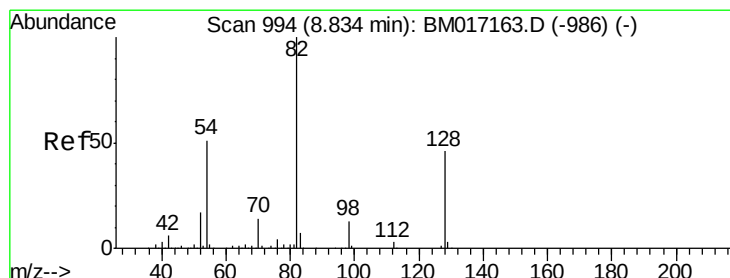
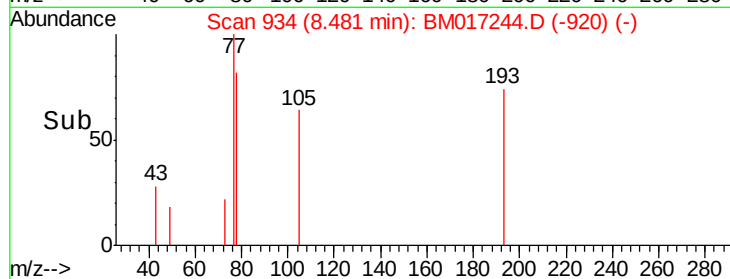
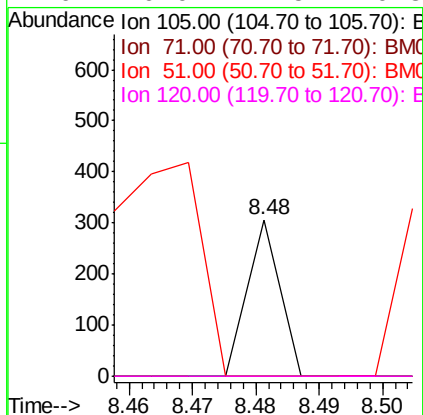
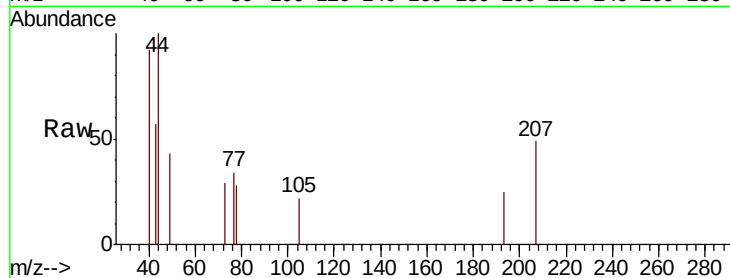
Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

Tot Ion:	105	Resp:	108
Ion	Ratio	Lower	Upper
105	100		
71	0.0	2.0	3.0#
51	0.0	20.6	31.0#
120	0.0	17.5	26.3#



#23

Nitrobenzene-d5

Concen: 60.696 ng

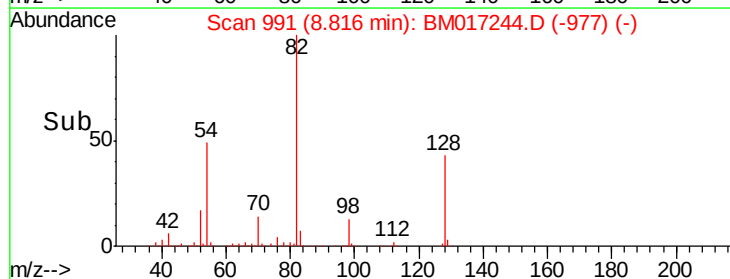
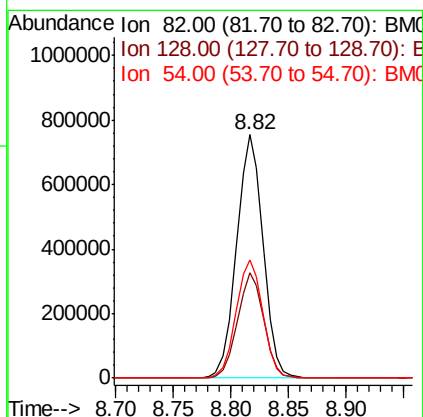
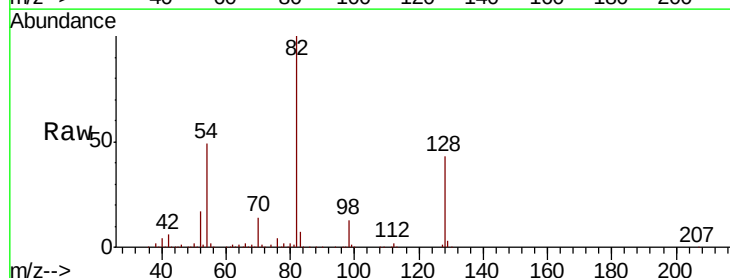
RT: 8.82 min Scan# 991

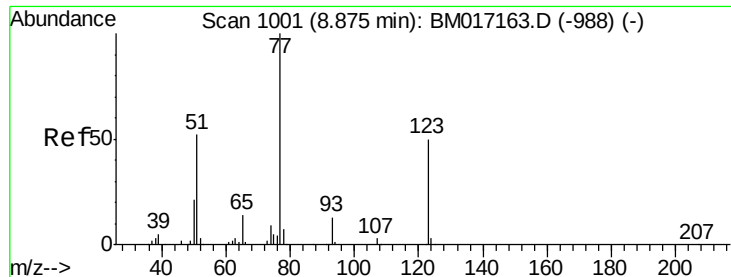
Delta R.T. -0.02 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Tgt Ion:	82	Resp:	1195493
Ion	Ratio	Lower	Upper
82	100		
128	43.2	37.0	55.6
54	48.7	40.7	61.1

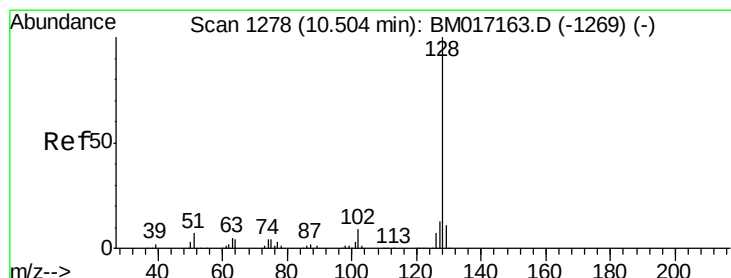
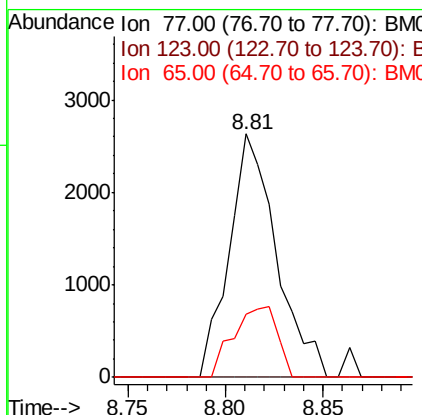
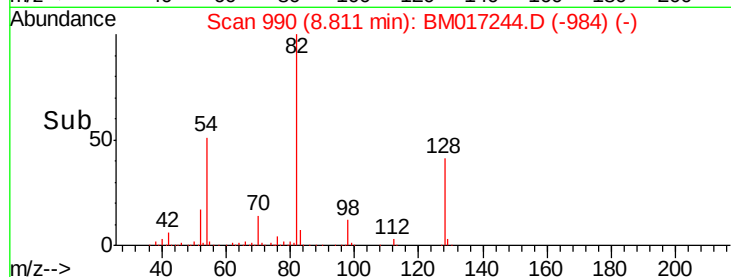
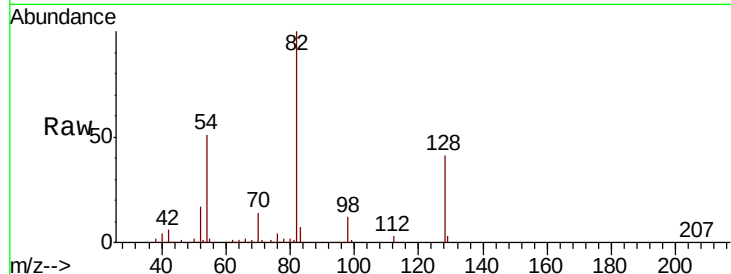




#24
Nitrobenzene
Concen: 0.212 ng
RT: 8.81 min Scan# 990
Delta R.T. -0.06 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

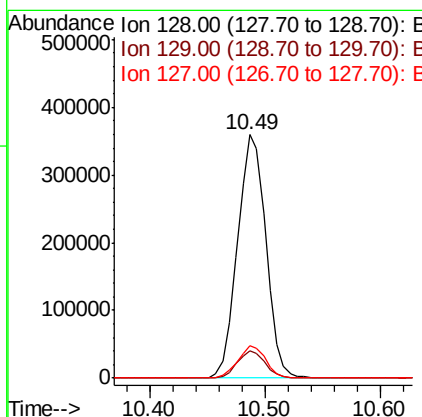
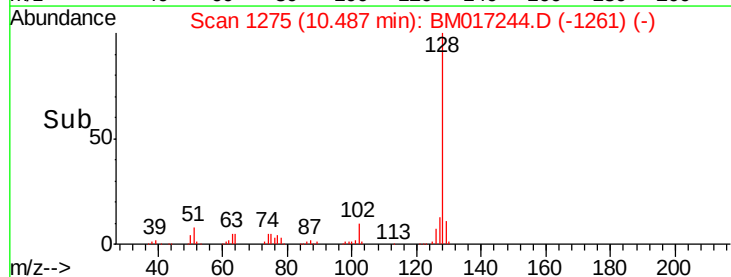
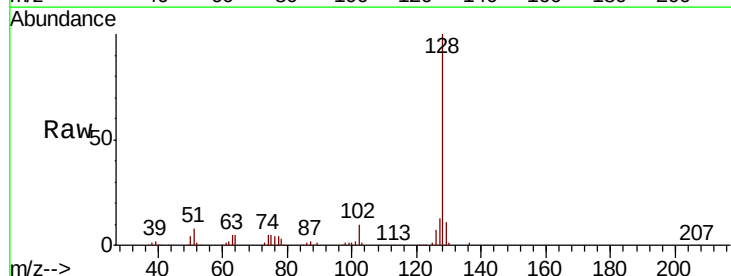
Instrument :
BNA_M
ClientSampleId :

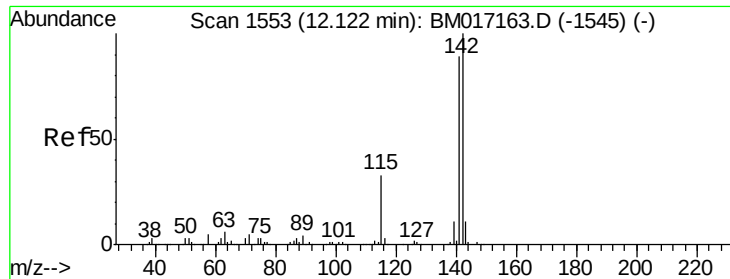
Tot Ion	Ion	Ratio	Lower	Upper
77	77	100		
123	123	0.0	40.2	60.4#
65	65	25.8	11.4	17.0#



#31
Naphthalene
Concen: 10.826 ng
RT: 10.49 min Scan# 1275
Delta R.T. -0.02 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

Tgt Ion	Ion	Ratio	Lower	Upper
128	128	100		
129	129	11.0	8.5	12.7
127	127	13.1	10.3	15.5

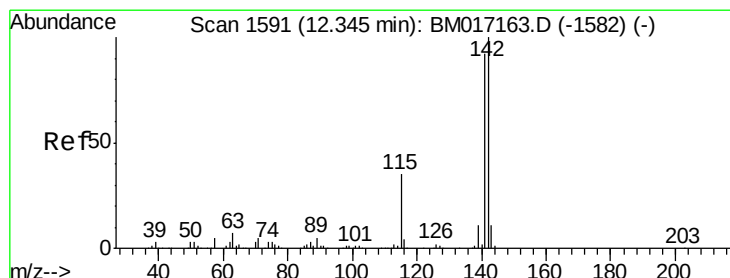
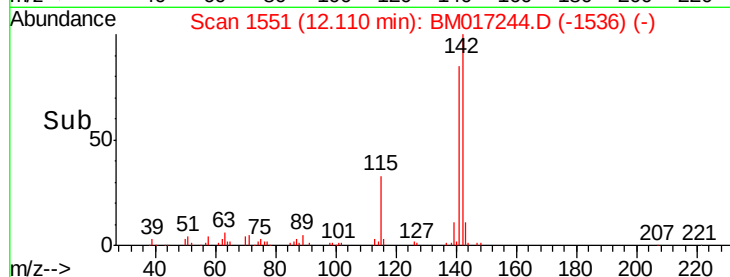
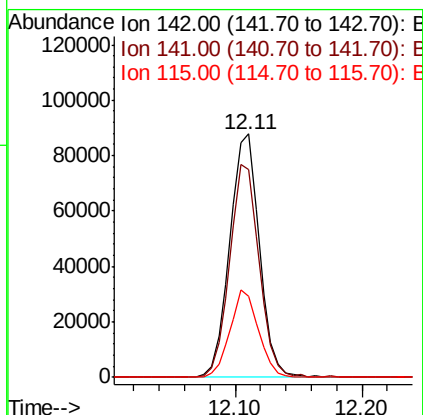
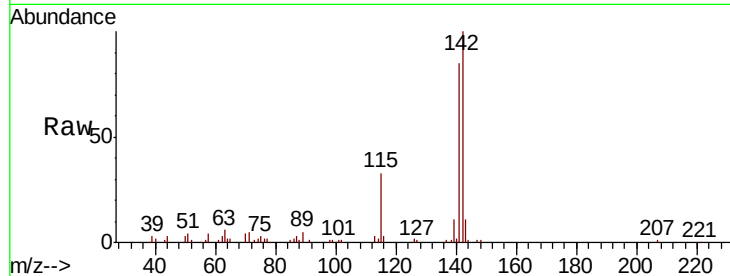




#37
 2-Methylnaphthalene
 Concen: 3.649 ng
 RT: 12.11 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BM017244.D
 Acq: 19 Oct 2018 23:41

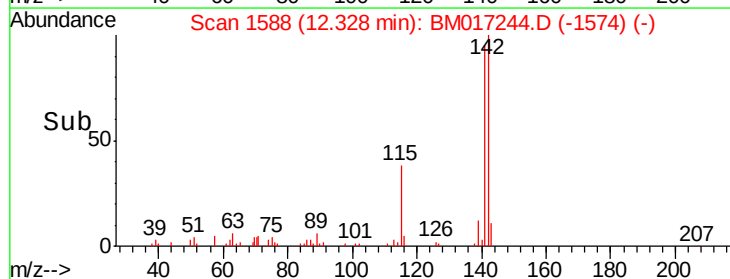
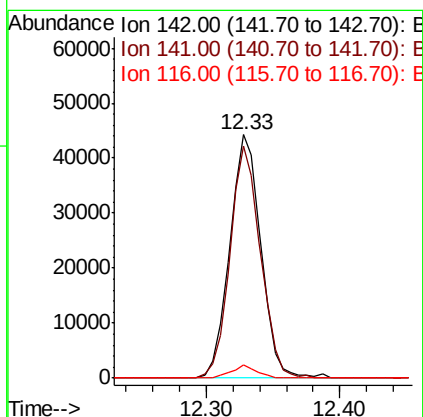
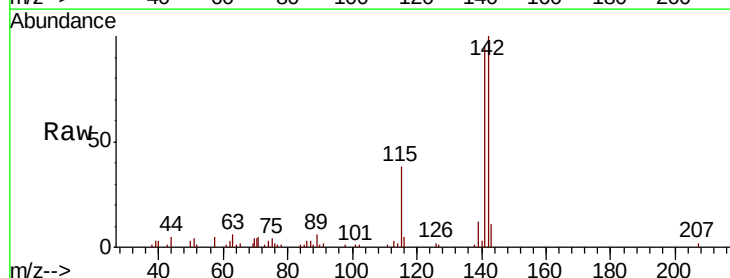
Instrument :
 BNA_M
 ClientSampleId :

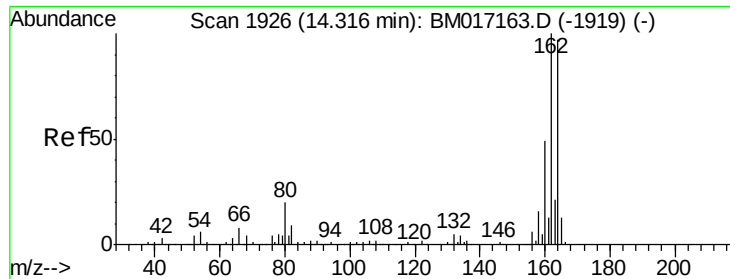
Tot Ion	Ratio	Lower	Upper
142	100		
141	85.3	70.9	106.3
115	33.3	26.4	39.6



#38
 1-Methylnaphthalene
 Concen: 1.915 ng
 RT: 12.33 min Scan# 1588
 Delta R.T. -0.02 min
 Lab File: BM017244.D
 Acq: 19 Oct 2018 23:41

Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.2	73.8	110.6
116	5.4	2.9	4.3#

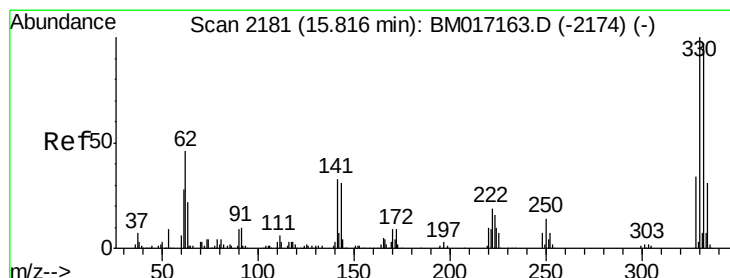
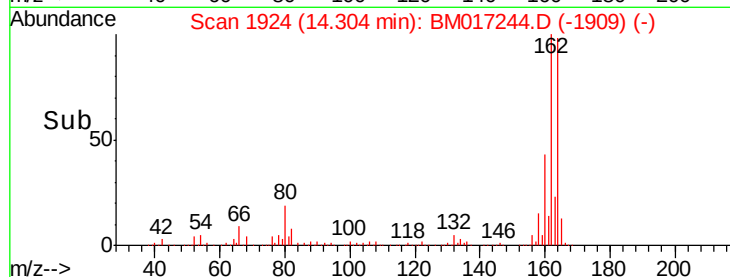
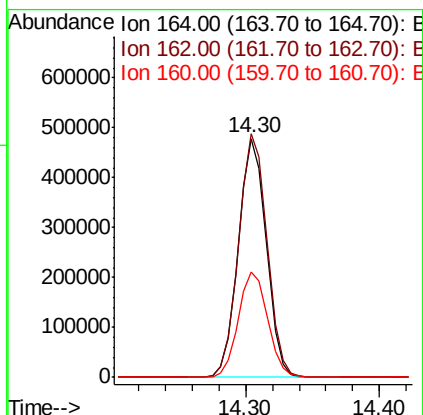
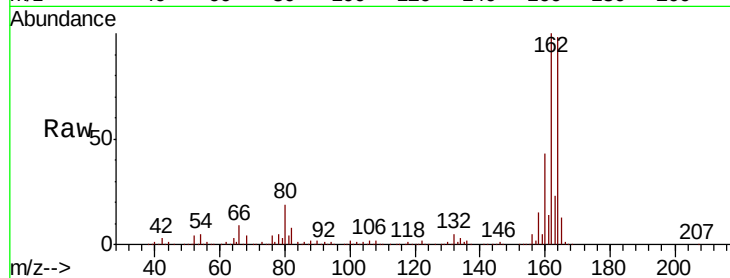




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.30 min Scan# 1924
 Delta R.T. -0.01 min
 Lab File: BM017244.D
 Acq: 19 Oct 2018 23:41

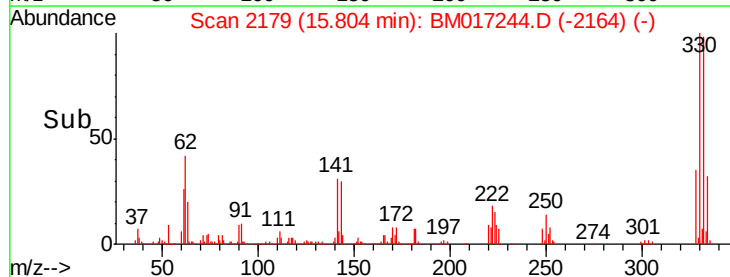
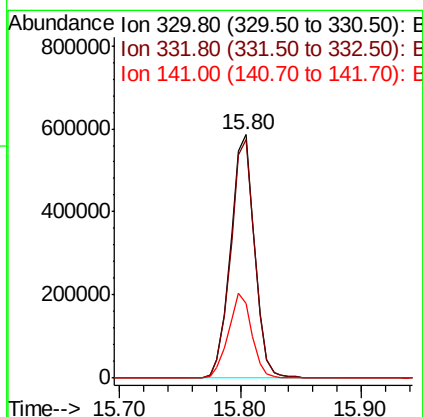
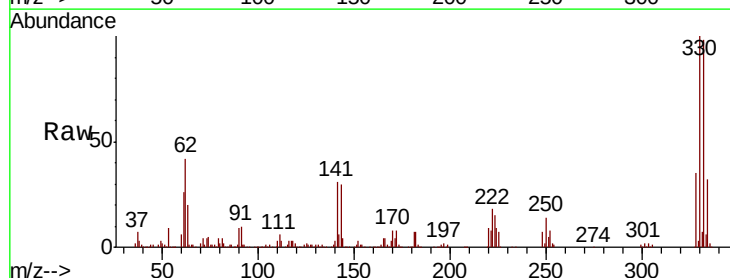
Instrument :
 BNA_M
 ClientSampleId :

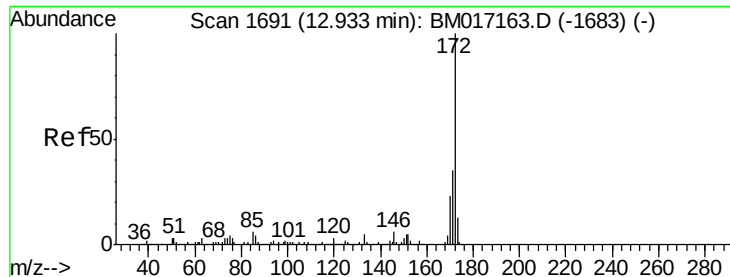
Tot Ion:164 Resp: 691834
 Ion Ratio Lower Upper
 164 100
 162 101.9 82.1 123.1
 160 44.2 40.2 60.2



#42
 2,4,6-Tribromophenol
 Concen: 86.715 ng
 RT: 15.80 min Scan# 2179
 Delta R.T. -0.01 min
 Lab File: BM017244.D
 Acq: 19 Oct 2018 23:41

Tgt Ion:330 Resp: 811309
 Ion Ratio Lower Upper
 330 100
 332 97.8 77.3 115.9
 141 33.8 27.4 41.0

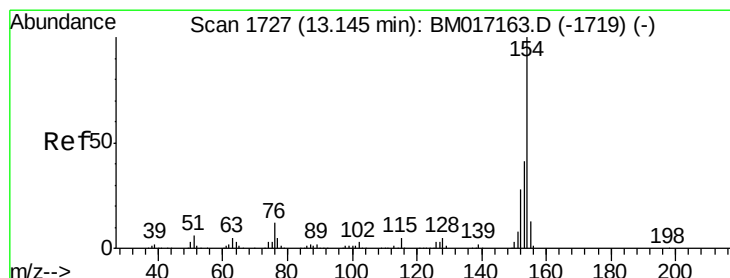
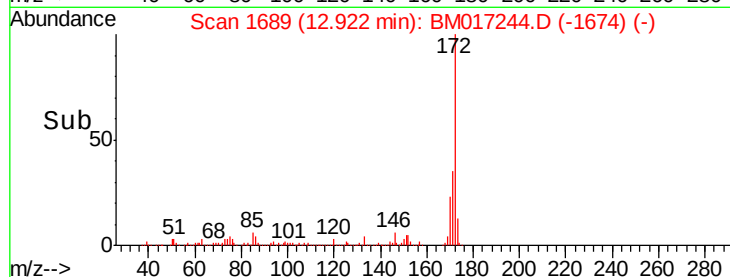
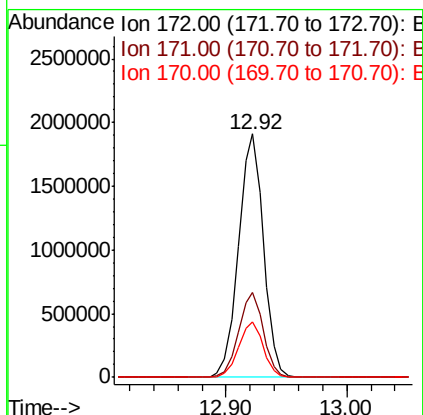
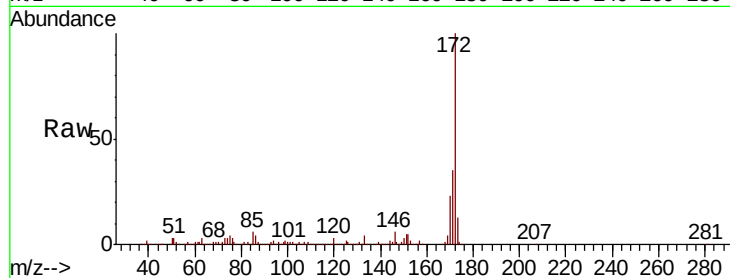




#45
2-Fluorobiphenyl
Concen: 52.748 ng
RT: 12.92 min Scan# 1689
Delta R.T. -0.01 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

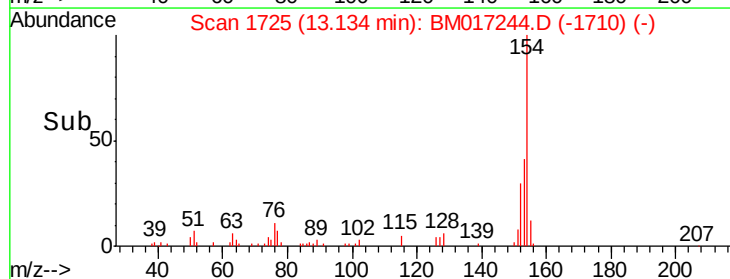
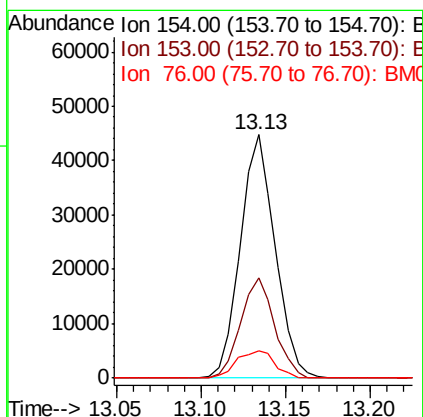
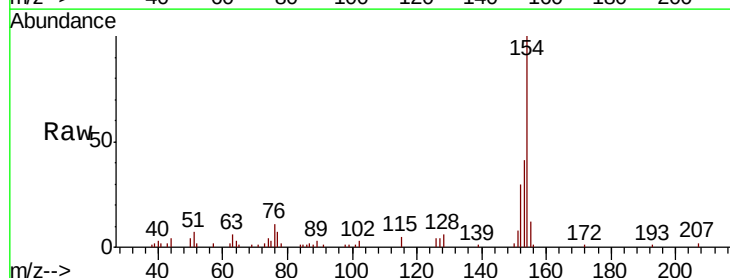
Instrument :
BNA_M
ClientSampled :

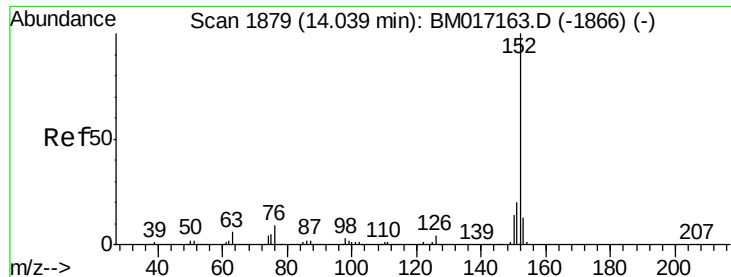
Tot Ion:172 Resp: 2742715
Ion Ratio Lower Upper
172 100
171 34.8 28.3 42.5
170 22.8 18.3 27.5



#46
1,1'-Biphenyl
Concen: 1.031 ng
RT: 13.13 min Scan# 1725
Delta R.T. -0.01 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

Tgt Ion:154 Resp: 64197
Ion Ratio Lower Upper
154 100
153 41.0 20.5 60.5
76 11.4 0.0 31.8





#49

Acenaphthylene

Concen: 0.574 ng

RT: 14.03 min Scan# 1877

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

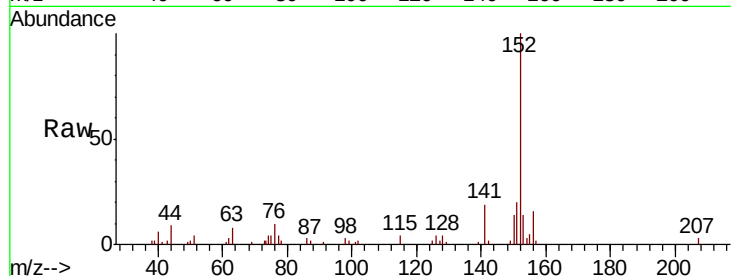
Tot Ion:152 Resp: 38102

Ion Ratio Lower Upper

152 100

151 20.1 16.0 24.0

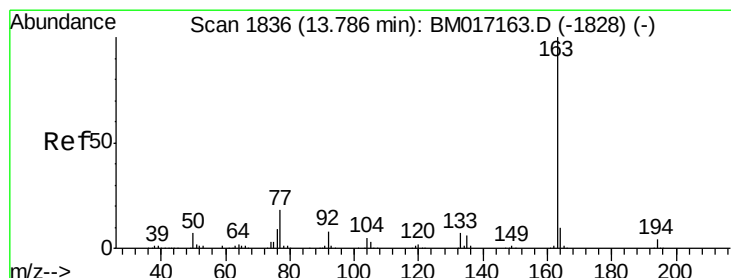
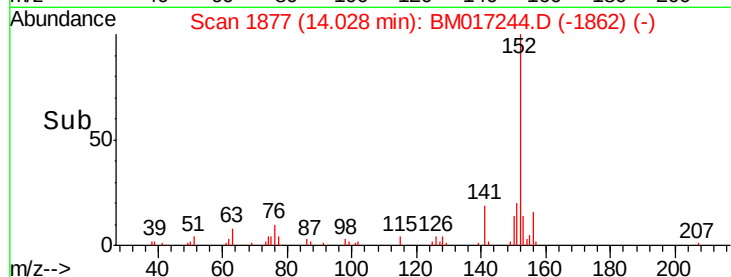
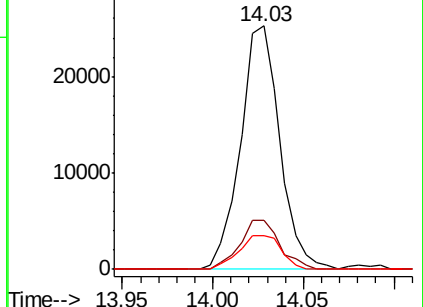
153 13.7 10.4 15.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 4.803 ng

RT: 13.77 min Scan# 1833

Delta R.T. -0.02 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

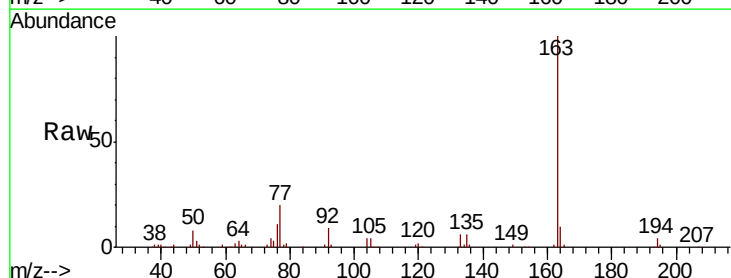
Tgt Ion:163 Resp: 256370

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

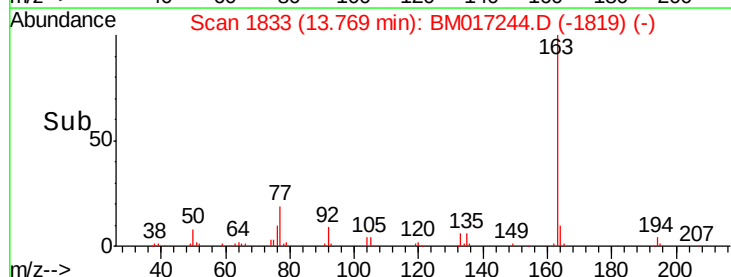
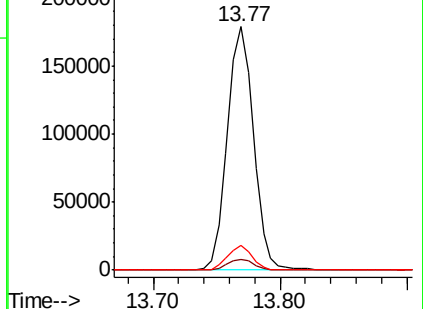
164 10.2 7.8 11.8

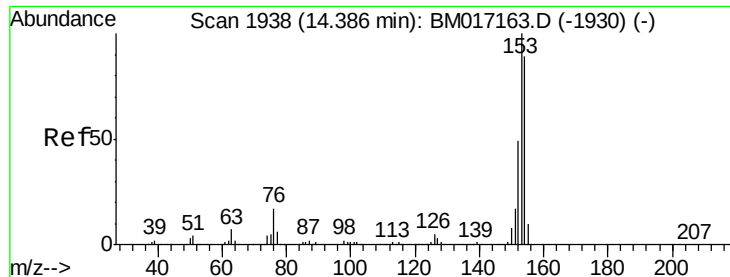


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 9.058 ng

RT: 14.37 min Scan# 1935

Delta R.T. -0.02 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

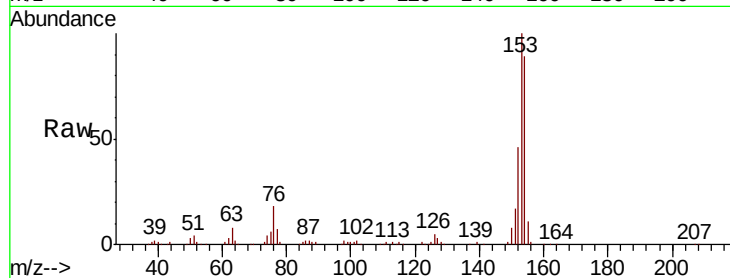
Tot Ion:154 Resp: 377572

Ion Ratio Lower Upper

154 100

153 112.1 90.2 135.2

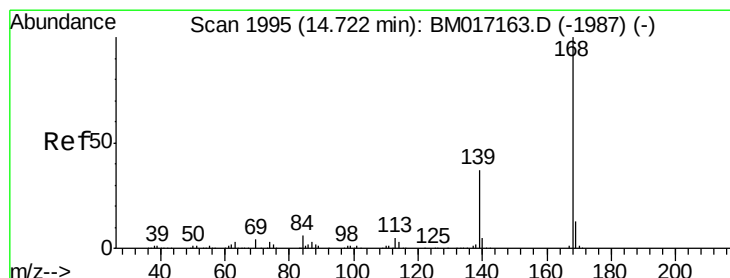
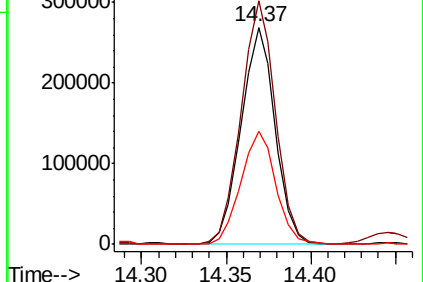
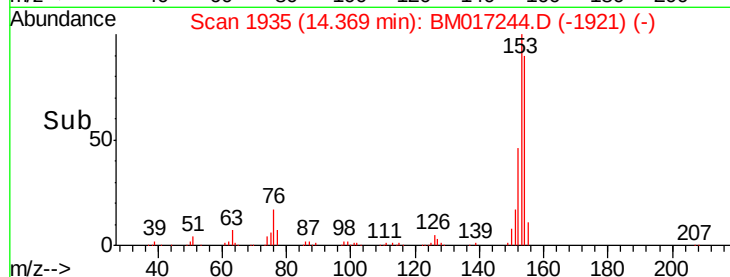
152 52.1 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 5.387 ng

RT: 14.70 min Scan# 1992

Delta R.T. -0.02 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

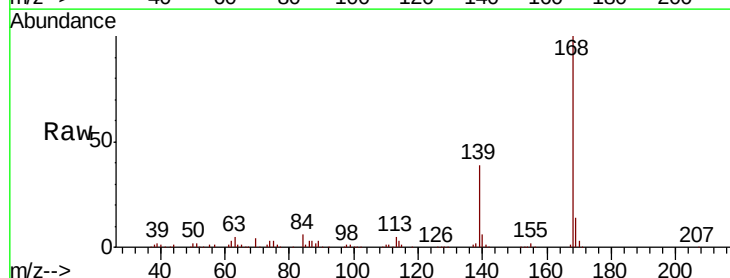
Tgt Ion:168 Resp: 373404

Ion Ratio Lower Upper

168 100

139 38.9 29.3 43.9

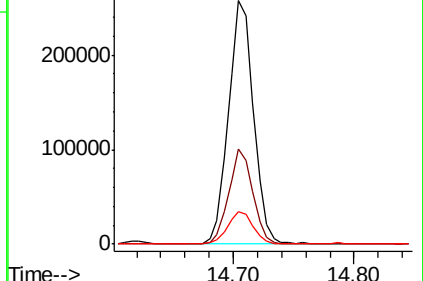
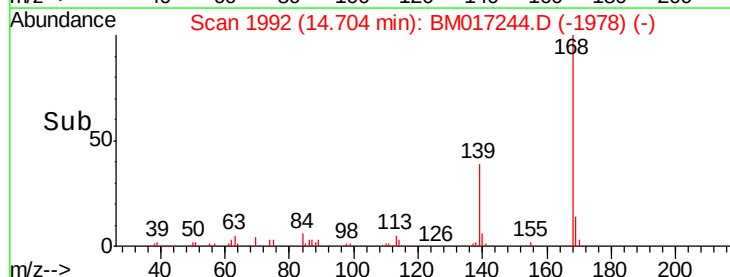
169 13.6 10.6 15.8

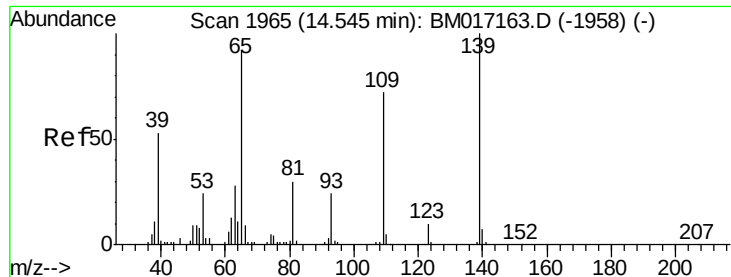


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

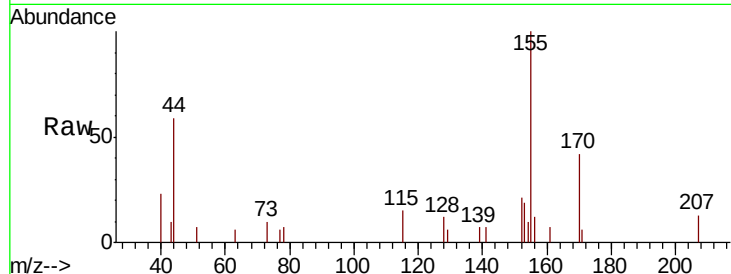




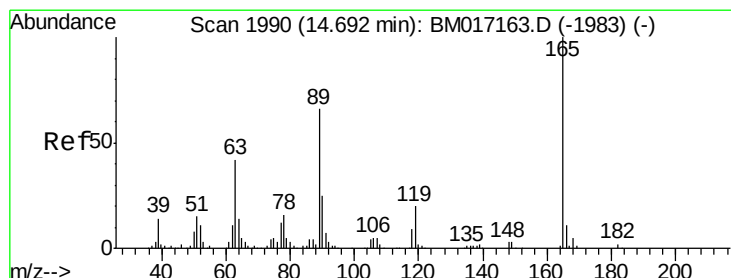
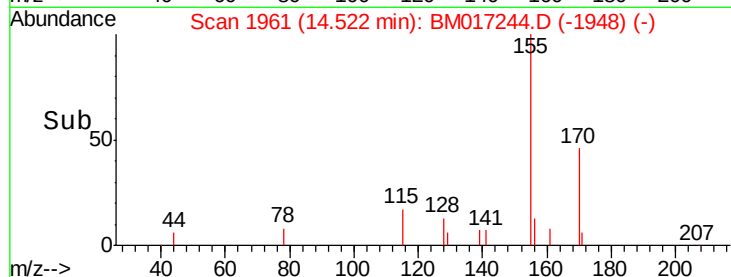
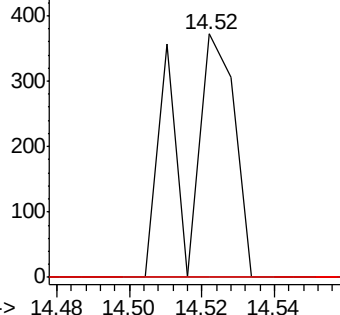
#56
4-Nitrophenol
Concen: 4.746 ng
RT: 14.52 min Scan# 1961
Delta R.T. -0.02 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

Instrument :
BNA_M
ClientSampled :

Tot Ion:139 Resp: 365
Ion Ratio Lower Upper
139 100
109 0.0 51.8 91.8#
65 0.0 72.1 112.1#

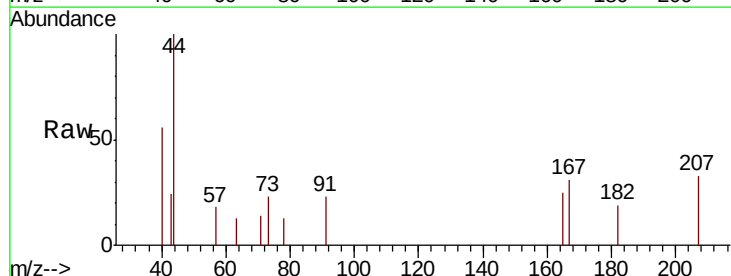


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BM

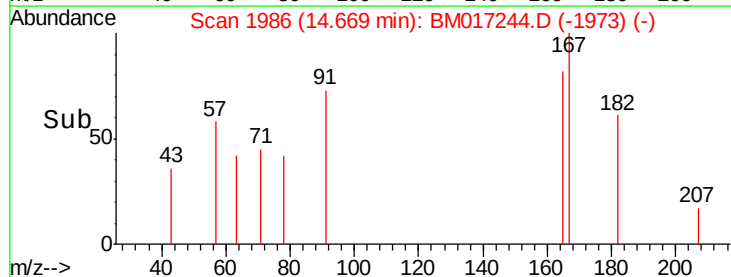
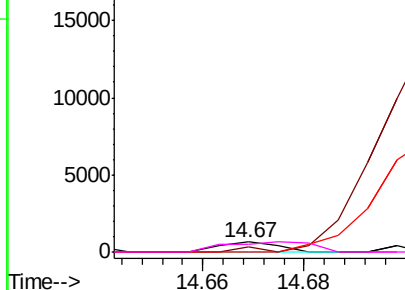


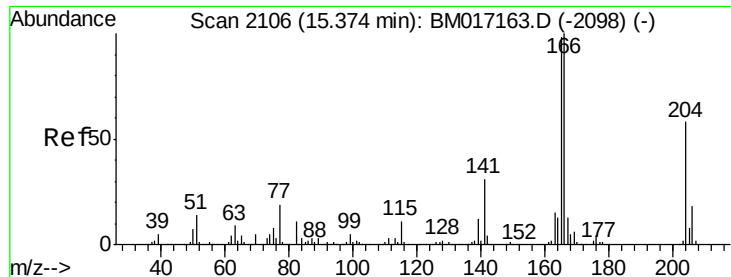
#57
2,4-Dinitrotoluene
Concen: 0.032 ng
RT: 14.67 min Scan# 1986
Delta R.T. -0.02 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

Tgt Ion:165 Resp: 510
Ion Ratio Lower Upper
165 100
63 51.9 33.8 50.8#
89 0.0 53.1 79.7#
182 75.2 2.0 3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BM
Ion 89.00 (88.70 to 89.70): BM
Ion 182.00 (181.70 to 182.70): E

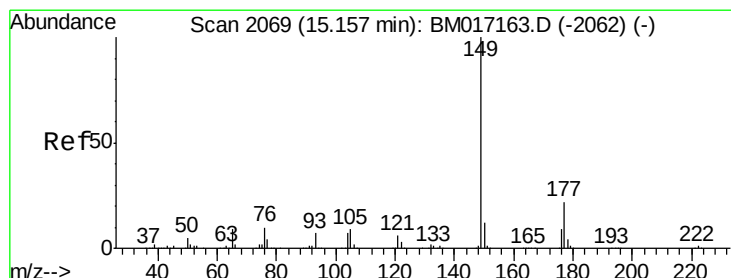
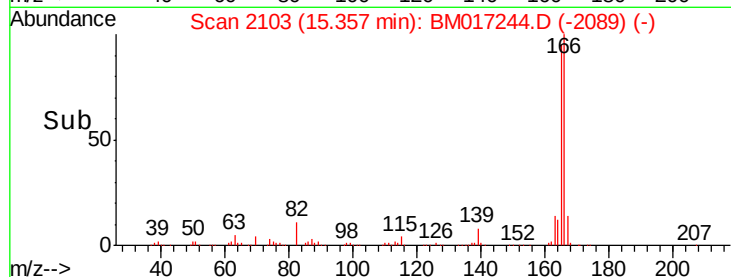
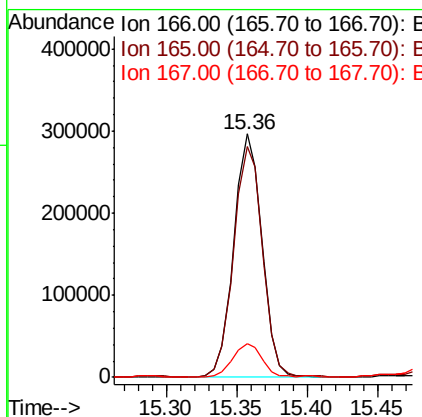
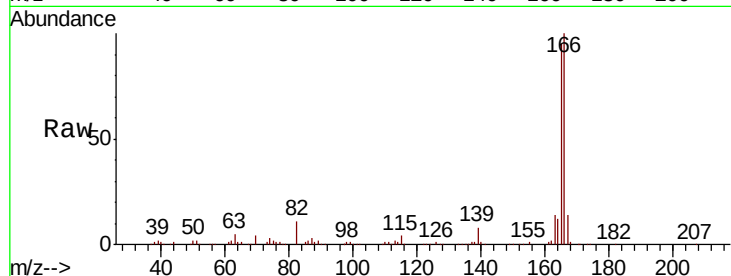




#58
 Fluorene
 Concen: 8.033 ng
 RT: 15.36 min Scan# 2103
 Delta R.T. -0.02 min
 Lab File: BM017244.D
 Acq: 19 Oct 2018 23:41

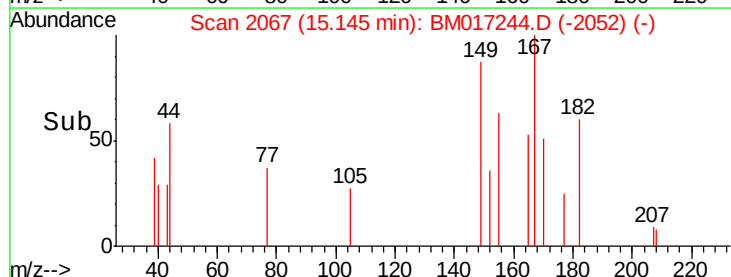
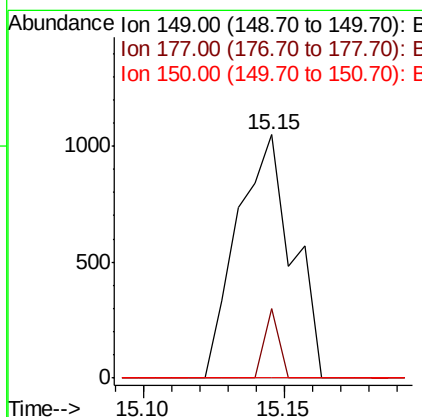
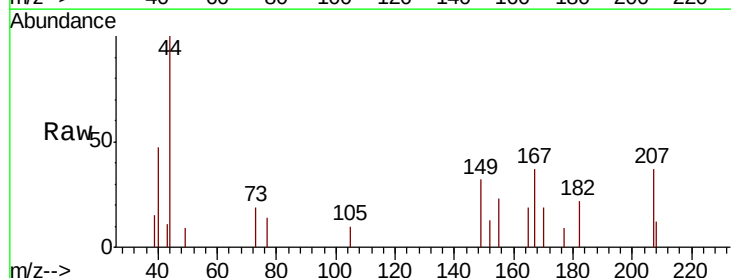
Instrument :
 BNA_M
 ClientSampleId :

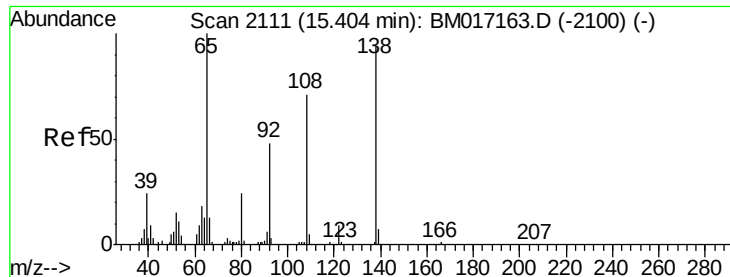
Tot Ion:166 Resp: 412145
 Ion Ratio Lower Upper
 166 100
 165 95.1 78.1 117.1
 167 13.8 10.6 16.0



#60
 Diethylphthalate
 Concen: 0.027 ng
 RT: 15.15 min Scan# 2067
 Delta R.T. -0.01 min
 Lab File: BM017244.D
 Acq: 19 Oct 2018 23:41

Tgt Ion:149 Resp: 1417
 Ion Ratio Lower Upper
 149 100
 177 28.6 17.7 26.5#
 150 0.0 10.0 15.0#

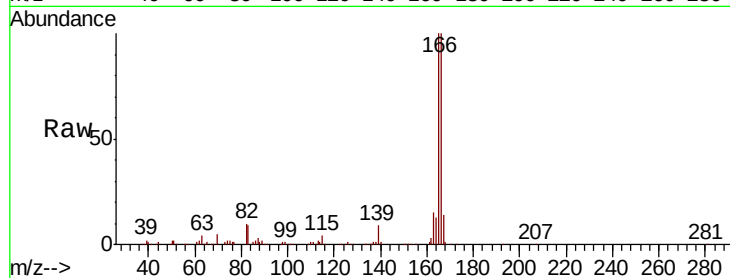




#62
4-Nitroaniline
Concen: 5.054 ng
RT: 15.36 min Scan# 2104
Delta R.T. -0.04 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

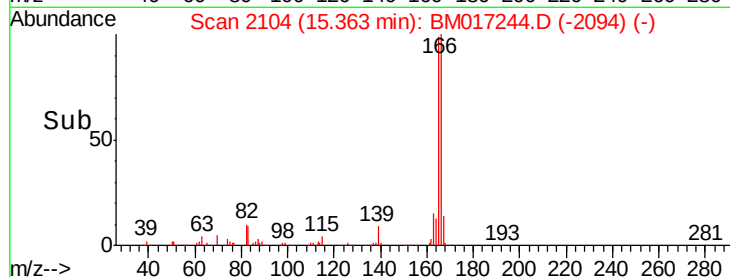
Instrument :
BNA_M
ClientSampleId :

Tot Ion:138 Resp: 4720
Ion Ratio Lower Upper
138 100
92 0.0 31.2 71.2#
108 0.0 55.5 95.5#

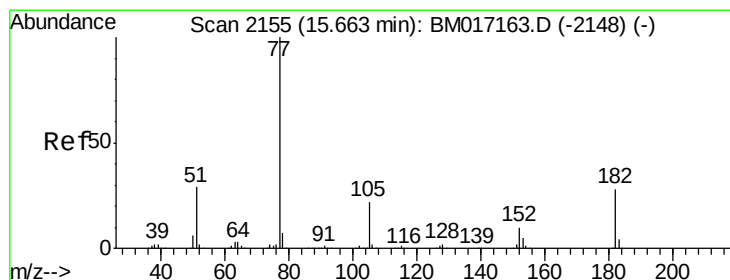


Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BM0
Ion 108.00 (107.70 to 108.70): E

15.36

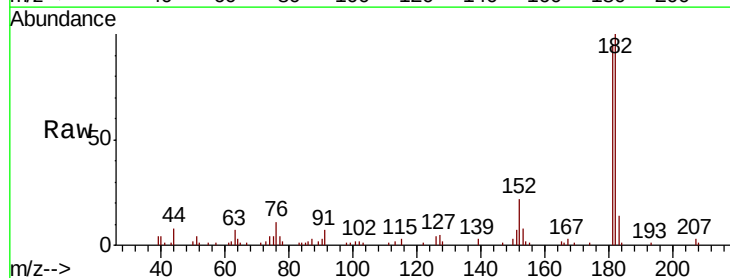


Time--> 15.30 15.35 15.40



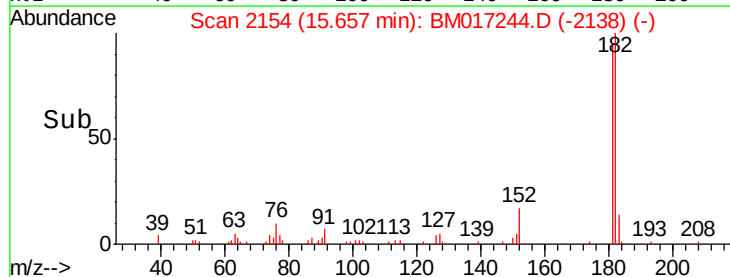
#63
Azobenzene
Concen: 0.061 ng
RT: 15.66 min Scan# 2154
Delta R.T. -0.01 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

Tgt Ion: 77 Resp: 3137
Ion Ratio Lower Upper
77 100
182 2494.4 8.3 48.3#
105 0.0 1.5 41.5#
51 88.1 8.8 48.8#

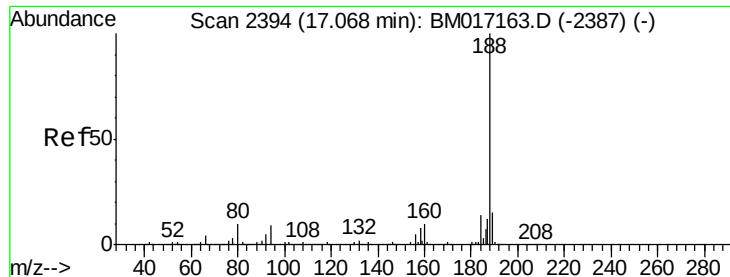


Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BM0

15.66



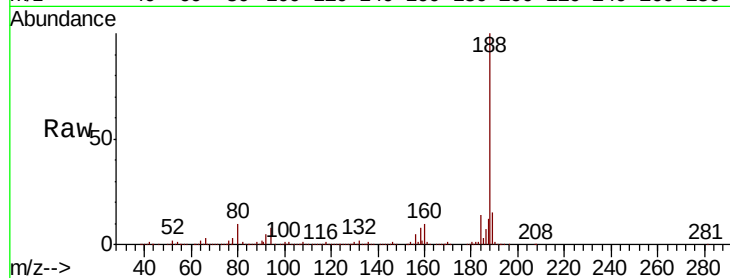
Time--> 15.60 15.65 15.70



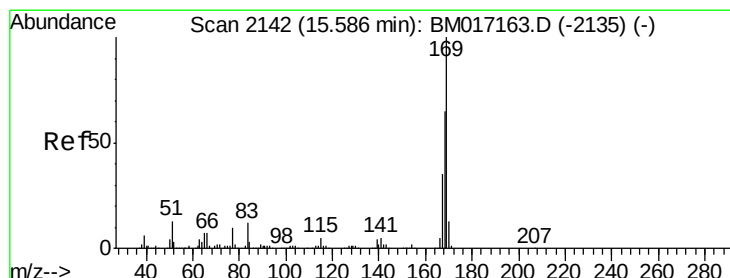
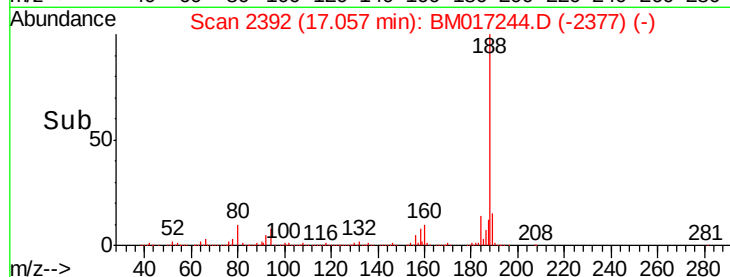
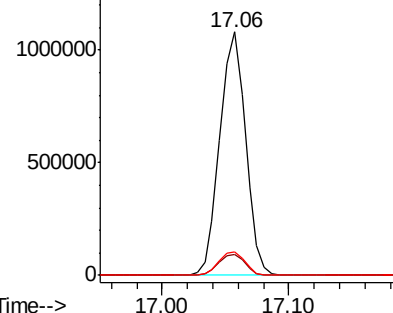
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.06 min Scan# 2392
Delta R.T. -0.01 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

Instrument :
BNA_M
ClientSampled :

Tot Ion:188 Resp: 1520312
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.4
80 9.6 7.7 11.5

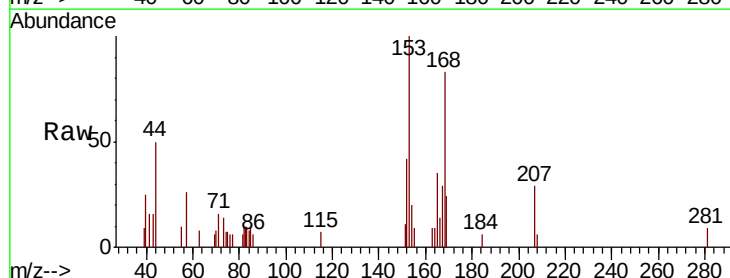


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM
Ion 80.00 (79.70 to 80.70): BM

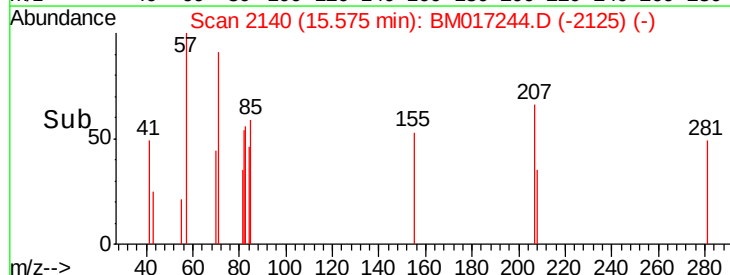
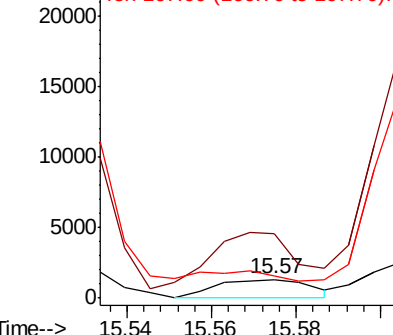


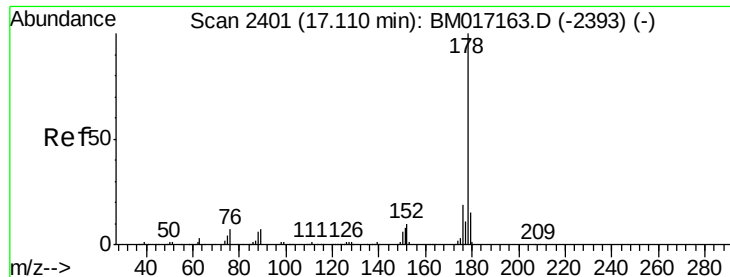
#66
n-Nitrosodiphenylamine
Concen: 0.045 ng
RT: 15.57 min Scan# 2140
Delta R.T. -0.01 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

Tgt Ion:169 Resp: 2062
Ion Ratio Lower Upper
169 100
168 351.2 52.2 78.4#
167 121.8 28.4 42.6#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#71

Phenanthrene

Concen: 30.412 ng

RT: 17.10 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

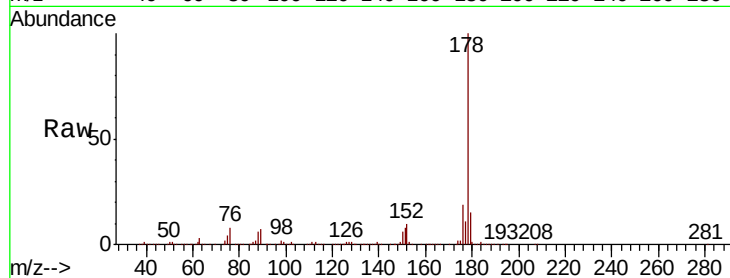
Instrument :

BNA_M

ClientSampled :

Tot Ion:178 Resp: 2494587

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.0	22.6
179	15.3	12.3	18.5

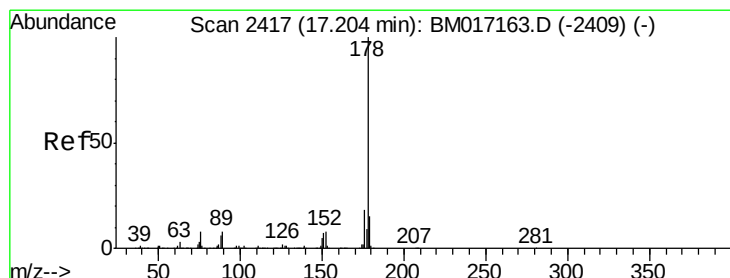
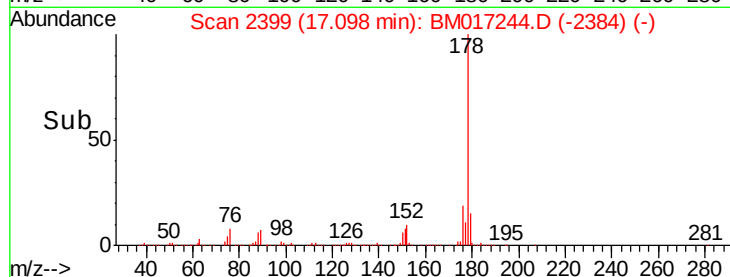
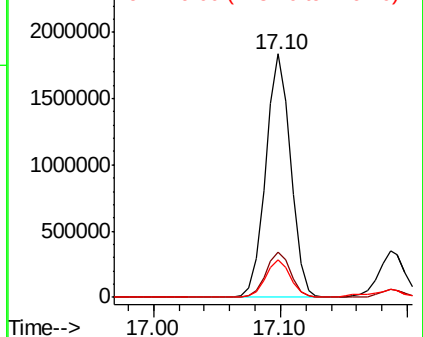


Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 6.316 ng

RT: 17.19 min Scan# 2414

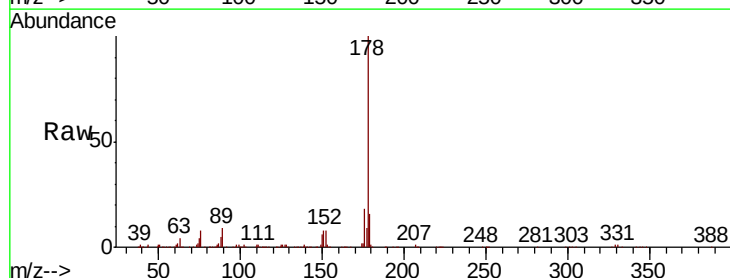
Delta R.T. -0.02 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Tgt Ion:178 Resp: 492257

Ion	Ratio	Lower	Upper
178	100		
176	18.3	14.5	21.7
179	16.1	12.2	18.2

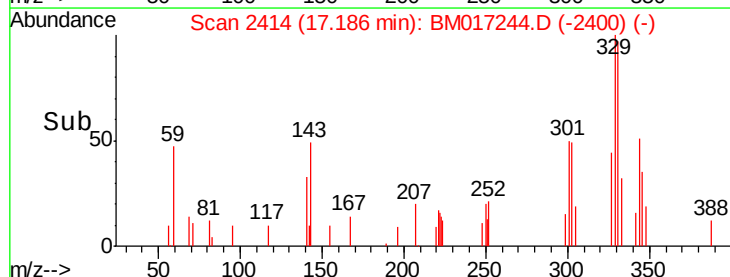
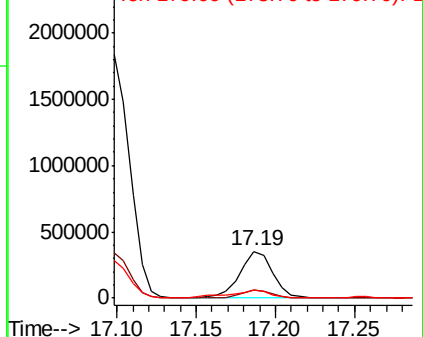


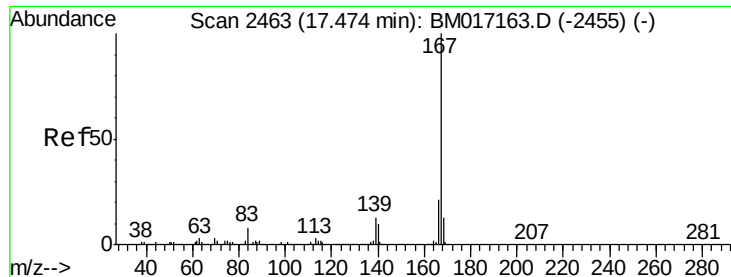
Abundance

Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

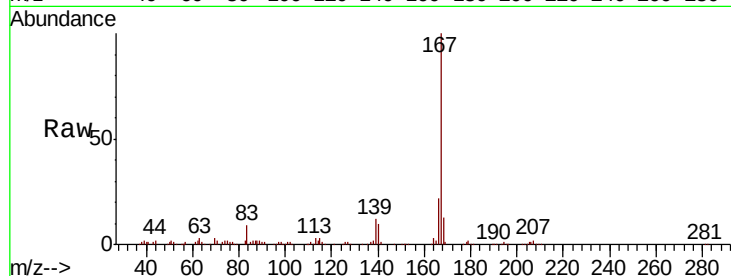




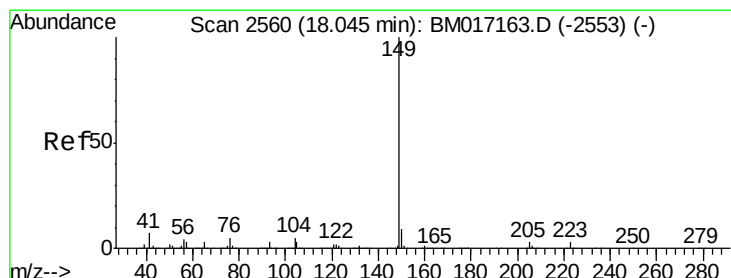
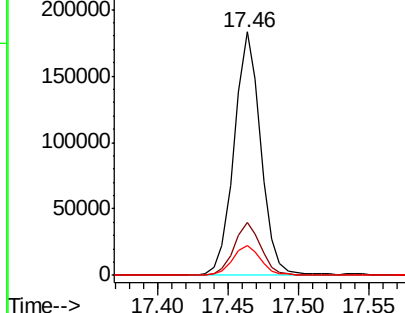
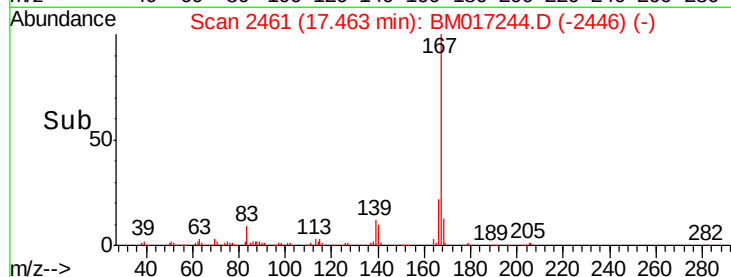
#73
 Carbazole
 Concen: 3.033 ng
 RT: 17.46 min Scan# 2461
 Delta R.T. -0.01 min
 Lab File: BM017244.D
 Acq: 19 Oct 2018 23:41

Instrument :
 BNA_M
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.1	25.7
139	12.2	10.1	15.1

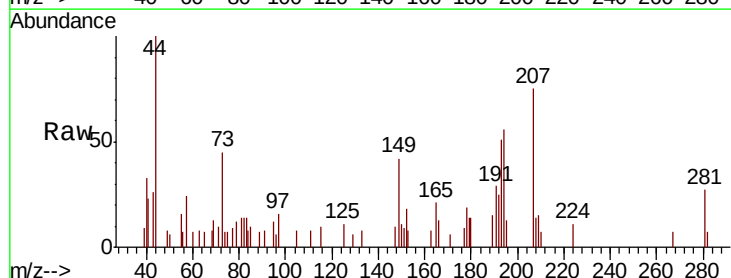


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

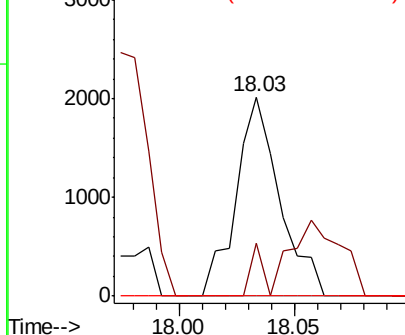
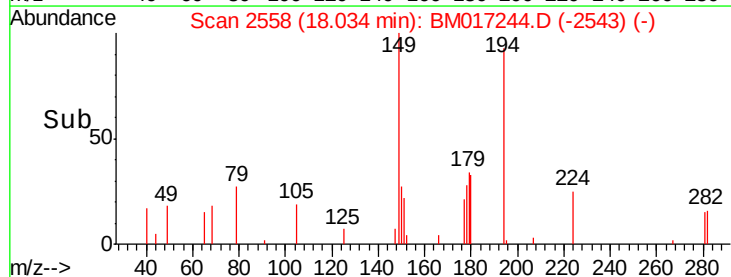


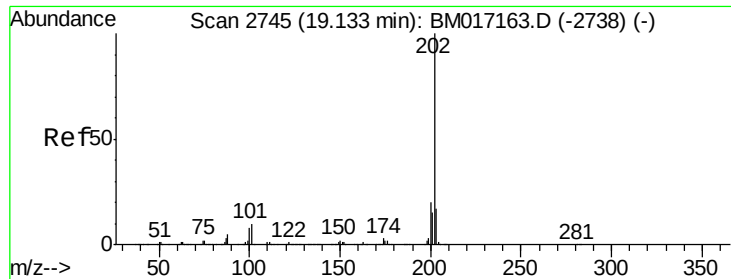
#74
 Di-n-butylphthalate
 Concen: 0.032 ng
 RT: 18.03 min Scan# 2558
 Delta R.T. -0.01 min
 Lab File: BM017244.D
 Acq: 19 Oct 2018 23:41

Tgt Ion	Ratio	Lower	Upper
149	100		
150	26.6	7.4	11.0#
104	0.0	4.3	6.5#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 104.00 (103.70 to 104.70): E





#75

Fluoranthene

Concen: 19.637 ng

RT: 19.12 min Scan# 2742

Delta R.T. -0.02 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

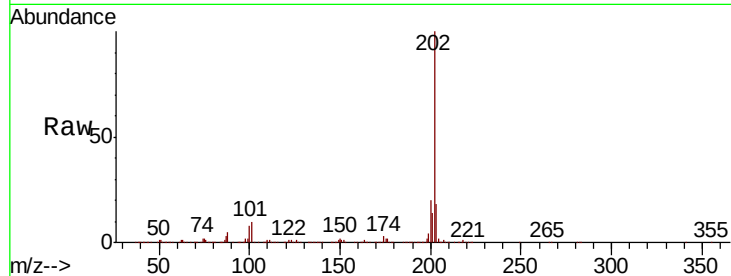
Tot Ion:202 Resp: 1812529

Ion Ratio Lower Upper

202 100

101 10.4 0.0 30.0

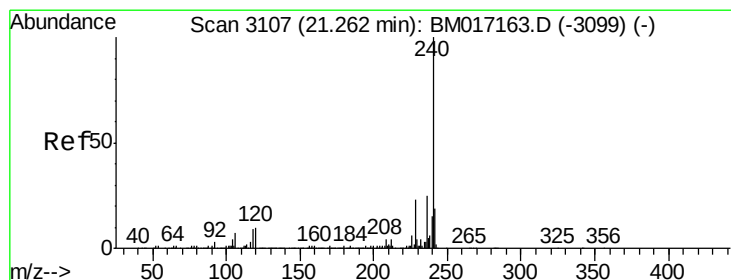
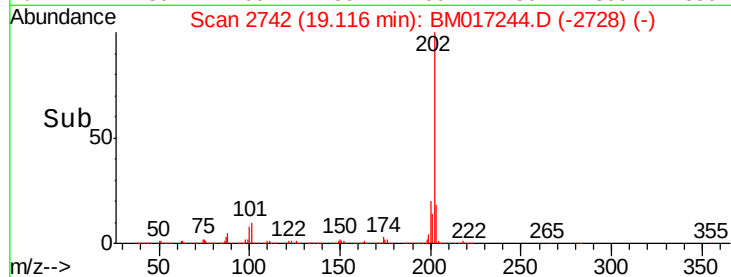
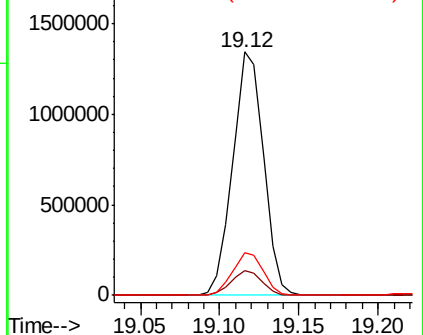
203 17.7 0.0 37.2



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.25 min Scan# 3105

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

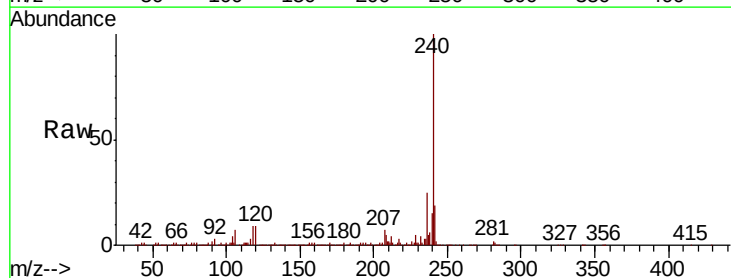
Tgt Ion:240 Resp: 1509700

Ion Ratio Lower Upper

240 100

120 9.3 8.1 12.1

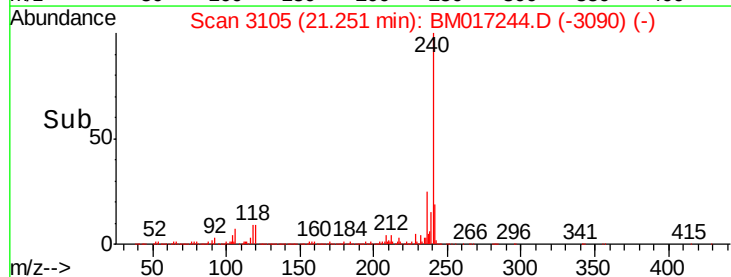
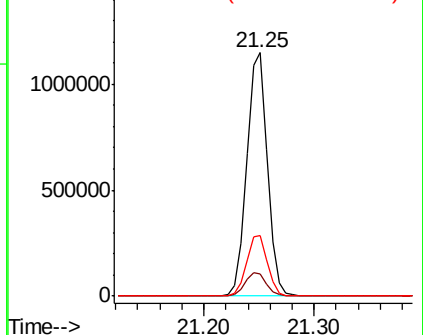
236 24.8 19.9 29.9

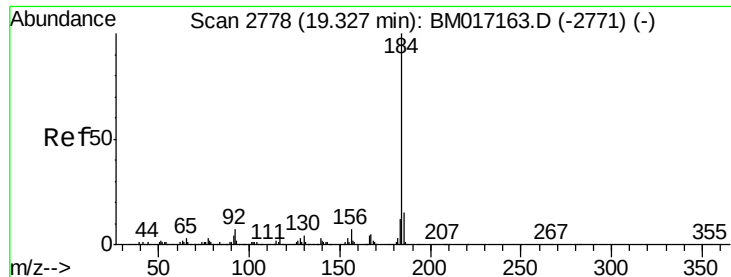


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.009 ng

RT: 19.34 min Scan# 2780

Delta R.T. 0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

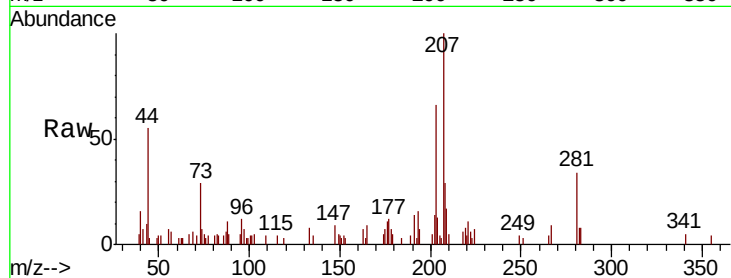
Tot Ion:184 Resp: 353

Ion Ratio Lower Upper

184 100

185 0.0 11.8 17.8#

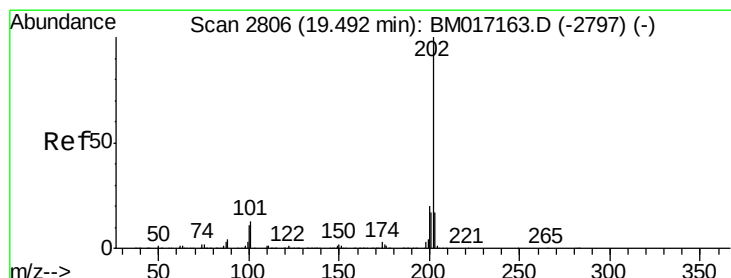
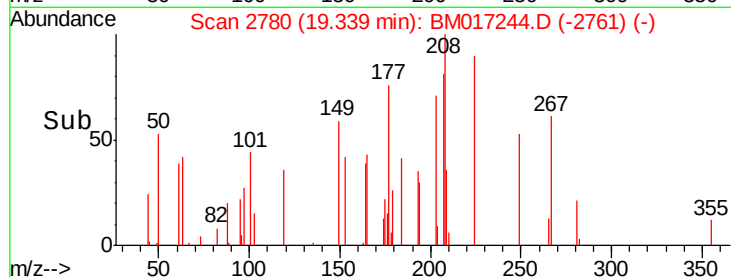
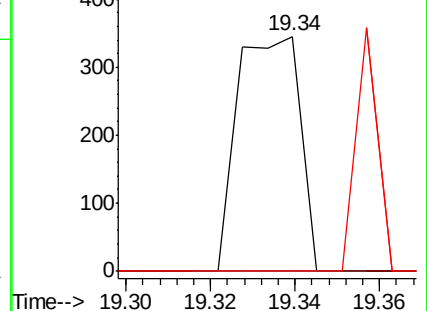
183 0.0 9.7 14.5#



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

Pyrene

Concen: 15.470 ng

RT: 19.48 min Scan# 2804

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

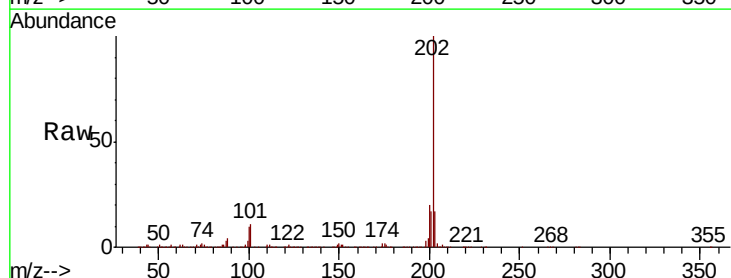
Tgt Ion:202 Resp: 1305296

Ion Ratio Lower Upper

202 100

200 19.9 16.3 24.5

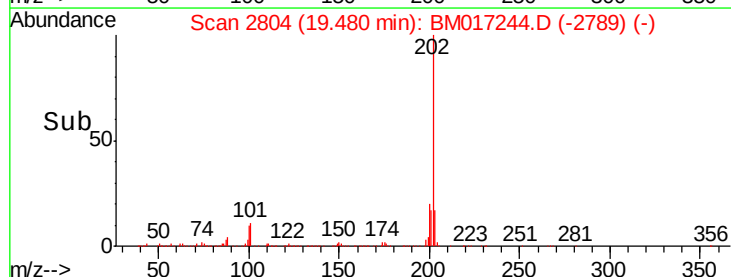
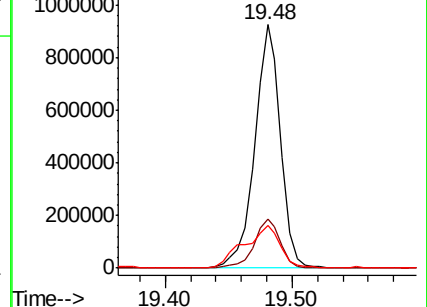
203 17.5 13.9 20.9

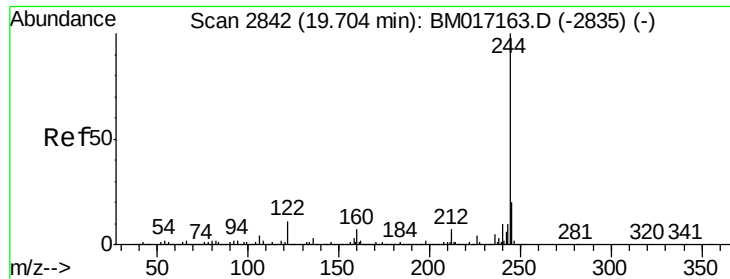


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 53.996 ng

RT: 19.69 min Scan# 2840

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

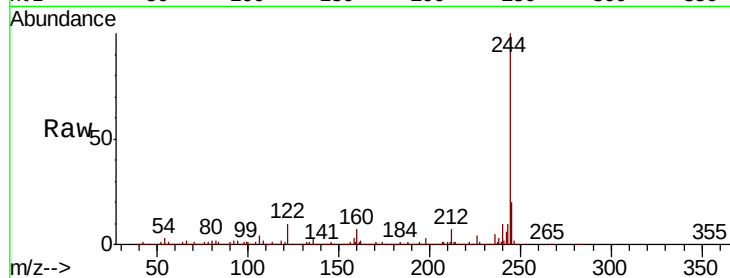
Tot Ion:244 Resp: 3616551

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

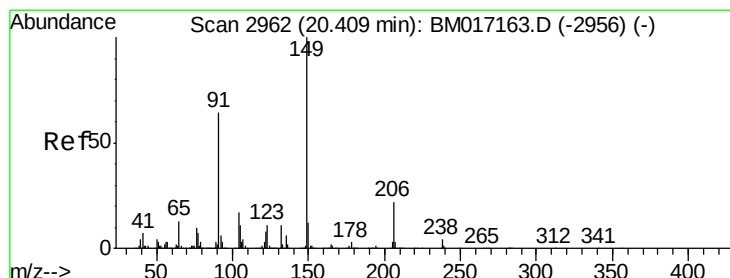
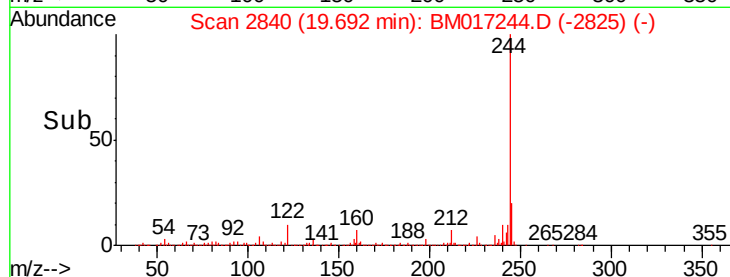
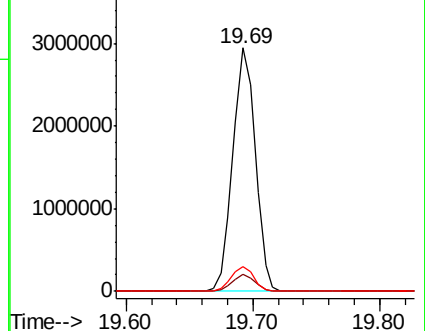
122 10.2 8.4 12.6



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



#80

Butylbenzylphthalate

Concen: 7.192 ng

RT: 20.40 min Scan# 2960

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

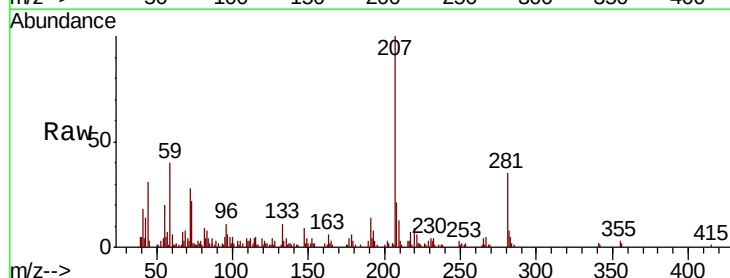
Tgt Ion:149 Resp: 620

Ion Ratio Lower Upper

149 100

91 53.9 51.3 76.9

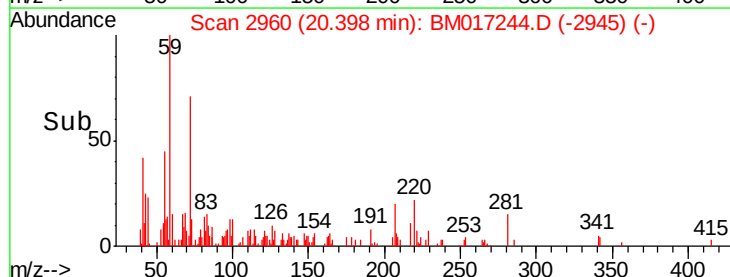
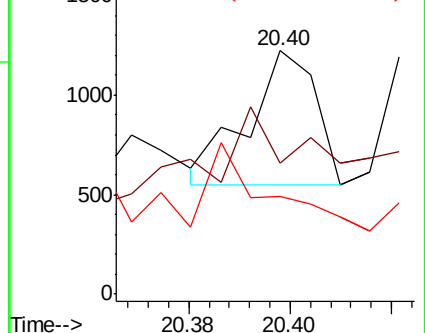
206 40.4 18.0 27.0#

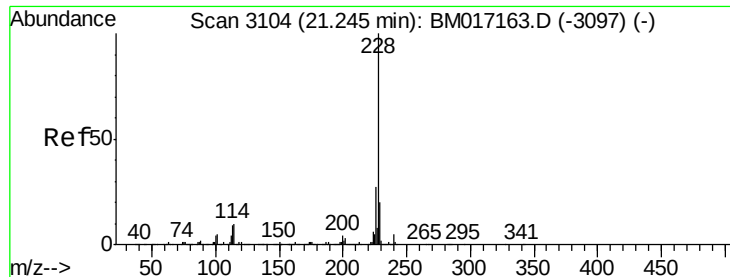


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BM0

Ion 206.00 (205.70 to 206.70): E





#81

Benzo(a)anthracene

Concen: 5.452 ng

RT: 21.23 min Scan# 3102

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

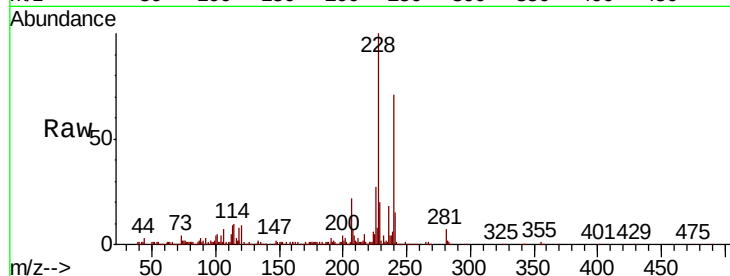
Tot Ion:228 Resp: 463207

Ion Ratio Lower Upper

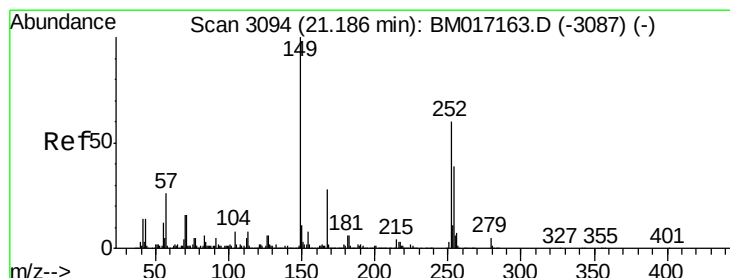
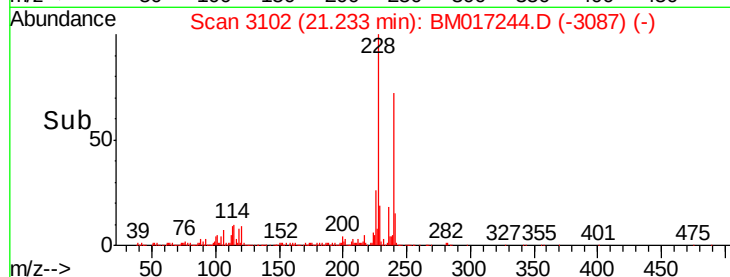
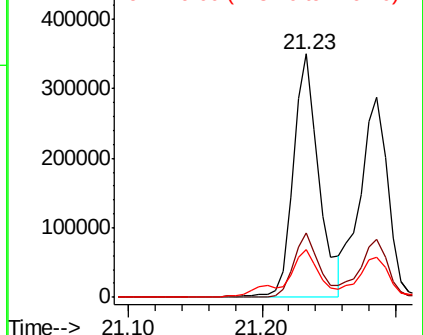
228 100

226 26.5 21.4 32.0

229 19.6 15.9 23.9



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



#82

3,3'-Dichlorobenzidine

Concen: 0.059 ng

RT: 21.17 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

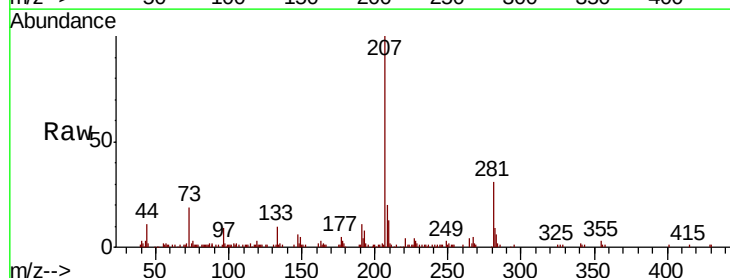
Tgt Ion:252 Resp: 1866

Ion Ratio Lower Upper

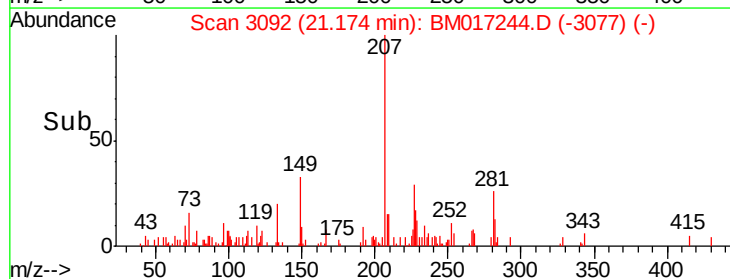
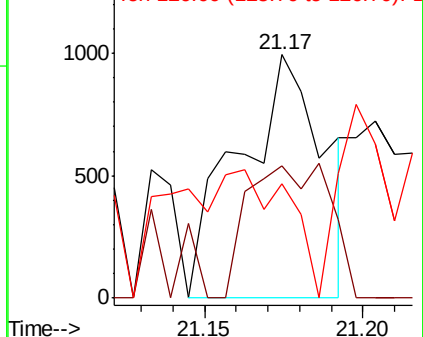
252 100

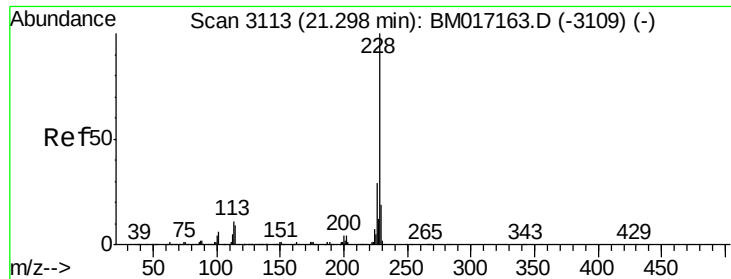
254 54.3 52.1 78.1

126 46.9 8.6 12.8#



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





#83

Chrysene

Concen: 4.925 ng

RT: 21.29 min Scan# 3111

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

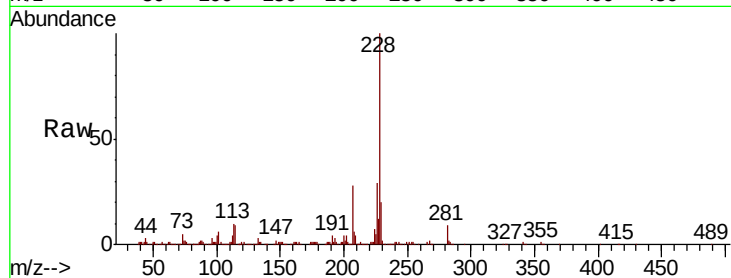
Tot Ion:228 Resp: 414115

Ion Ratio Lower Upper

228 100

226 28.8 23.3 34.9

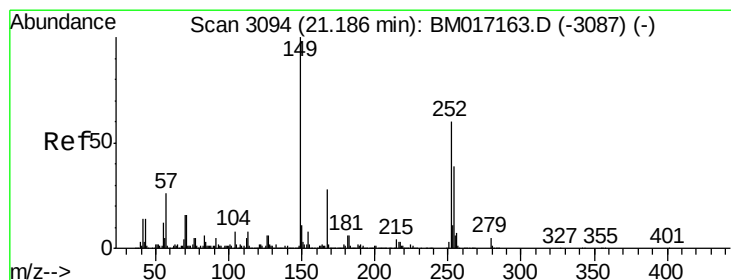
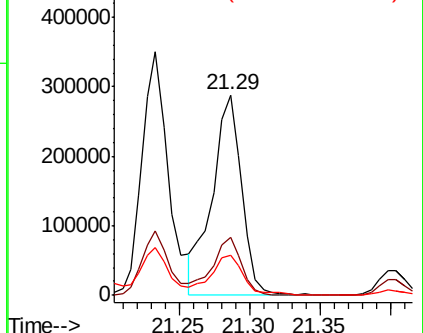
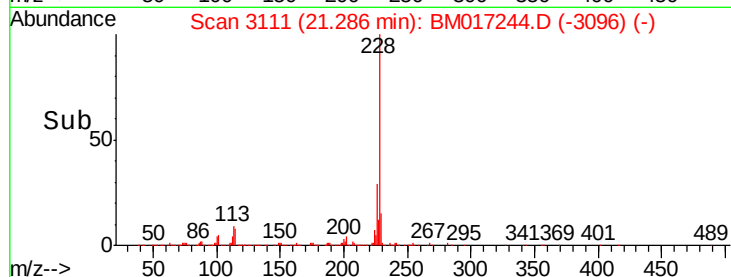
229 19.7 15.6 23.4



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 5.396 ng

RT: 21.17 min Scan# 3092

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

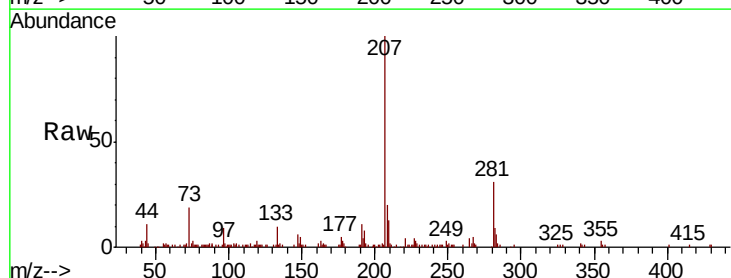
Tgt Ion:149 Resp: 4888

Ion Ratio Lower Upper

149 100

167 27.6 22.2 33.4

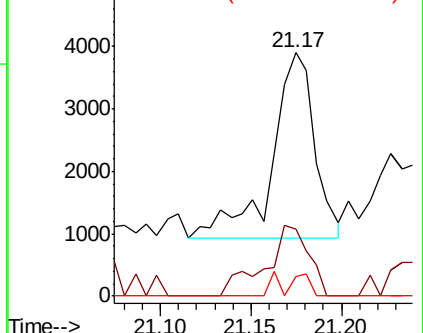
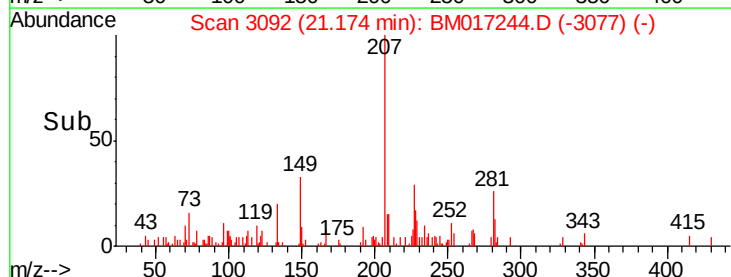
279 8.2 3.6 5.4#

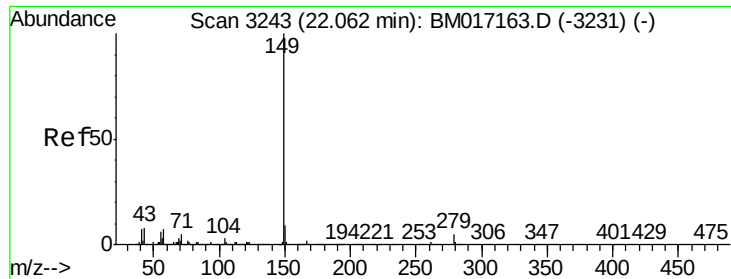


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 5.578 ng

RT: 22.05 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

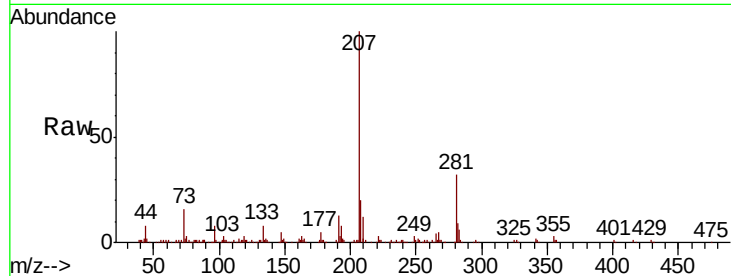
Tot Ion:149 Resp: 631

Ion Ratio Lower Upper

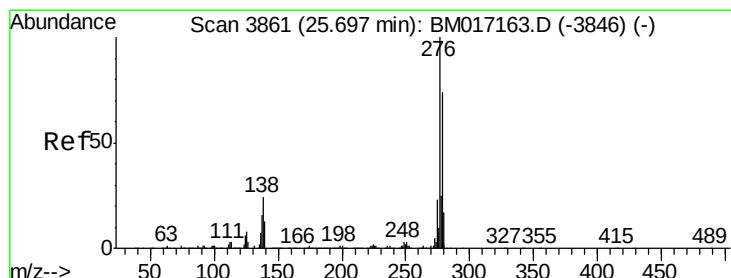
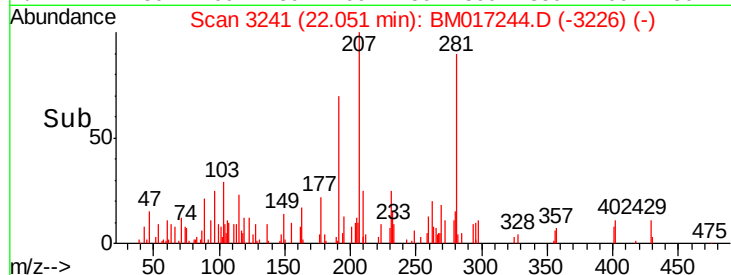
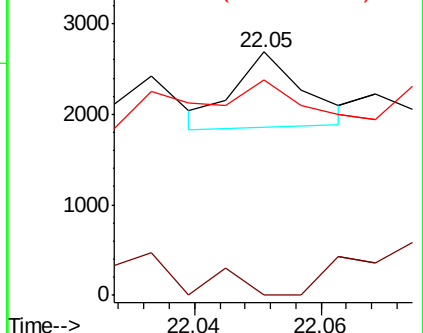
149 100

167 0.0 1.4 2.0#

43 113.0 7.2 10.8#



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



#86

Indeno(1,2,3-cd)pyrene

Concen: 0.773 ng

RT: 25.67 min Scan# 3856

Delta R.T. -0.03 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

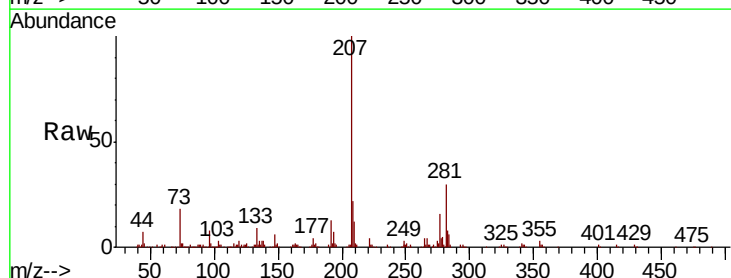
Tgt Ion:276 Resp: 72727

Ion Ratio Lower Upper

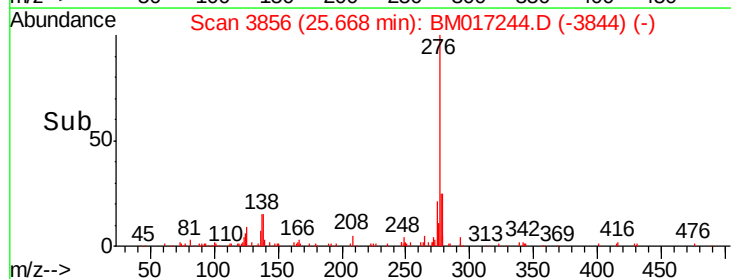
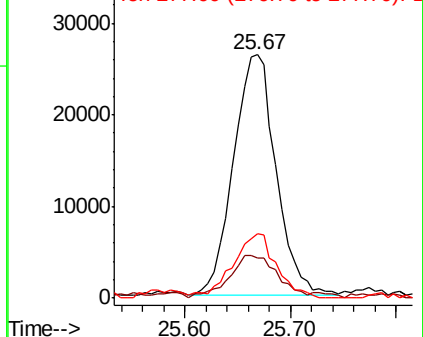
276 100

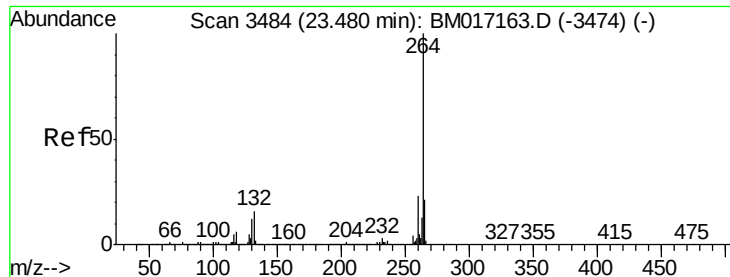
138 20.3 19.5 29.3

277 27.1 20.1 30.1



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





#87

Pervlene-d12

Concen: 20.000 ng

RT: 23.46 min Scan# 3481

Delta R.T. -0.02 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

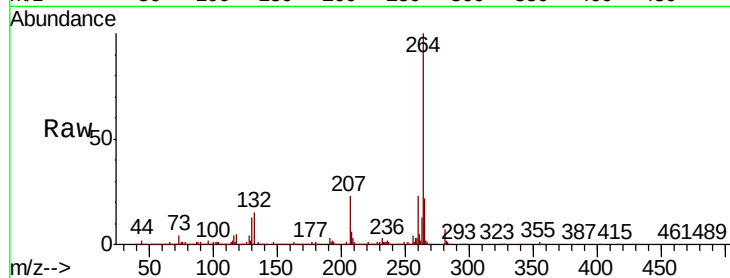
Tot Ion:264 Resp: 1381134

Ion Ratio Lower Upper

264 100

260 23.4 18.6 27.8

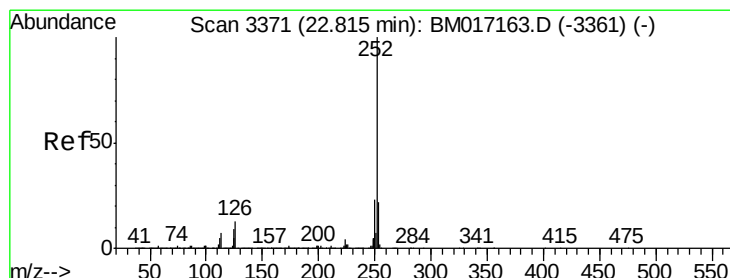
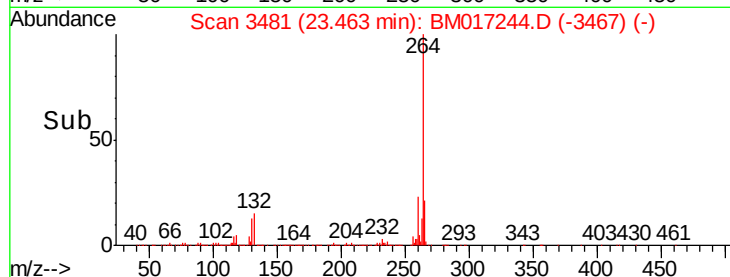
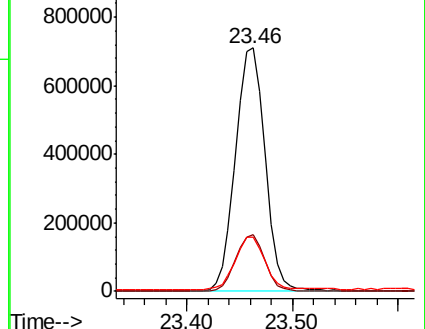
265 22.2 17.8 26.8



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



#88

Benzo(b)fluoranthene

Concen: 4.556 ng

RT: 22.80 min Scan# 3368

Delta R.T. -0.02 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

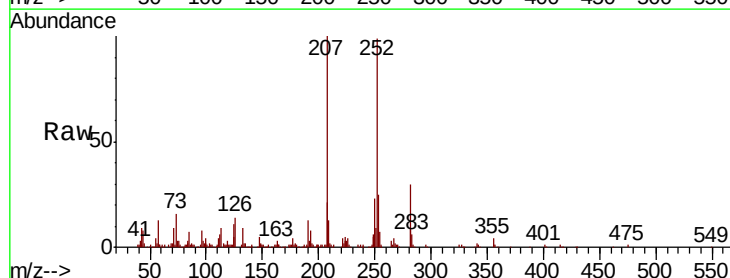
Tgt Ion:252 Resp: 344017

Ion Ratio Lower Upper

252 100

253 24.8 17.4 26.2

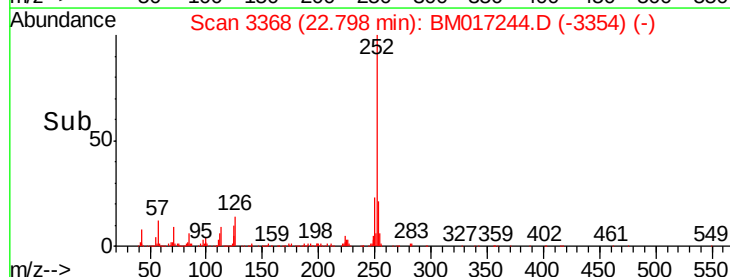
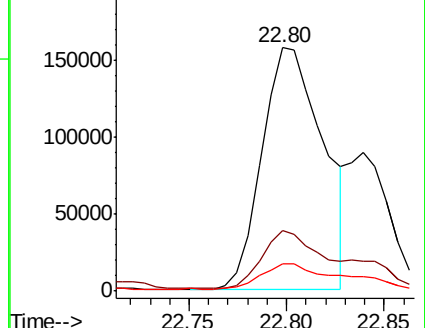
125 11.3 7.5 11.3

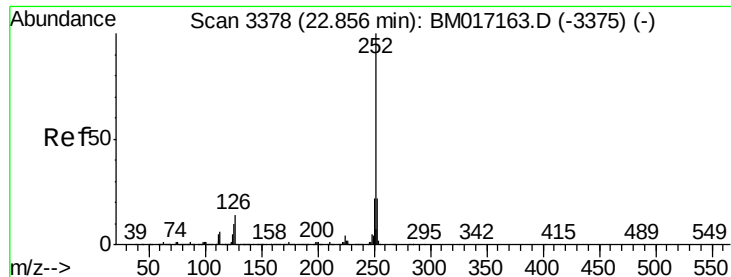


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

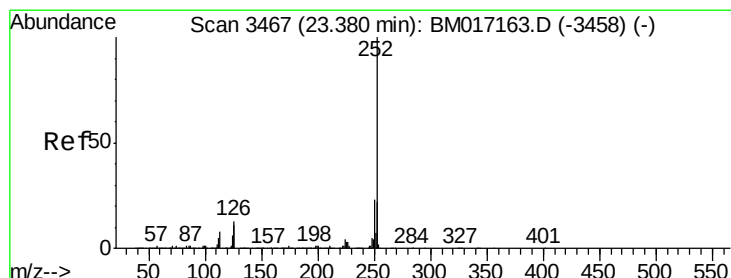
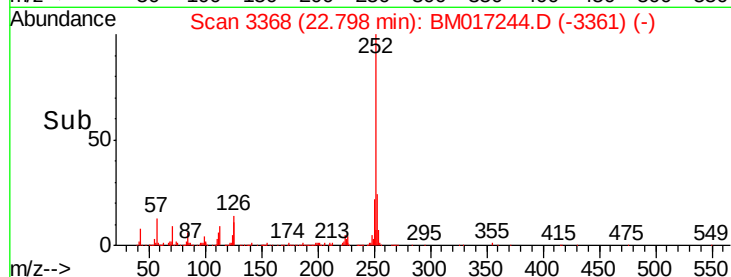
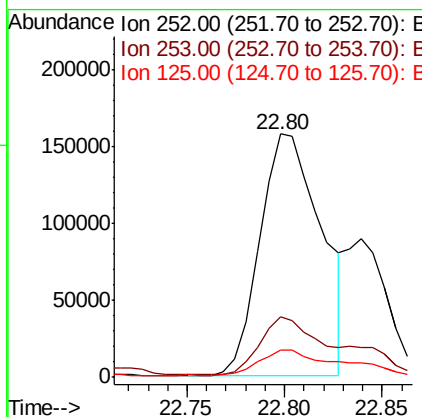
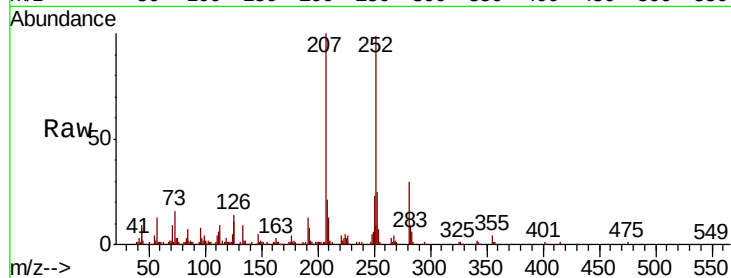




#89
Benzo(k)fluoranthene
Concen: 4.540 ng
RT: 22.80 min Scan# 3368
Delta R.T. -0.06 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

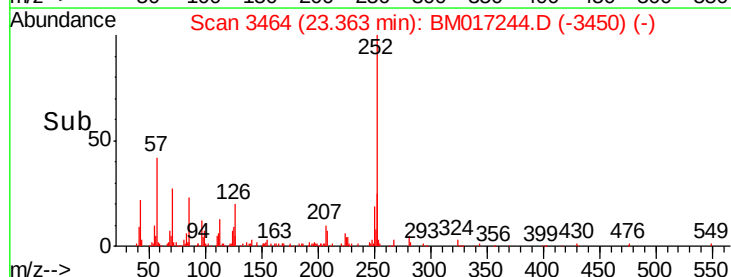
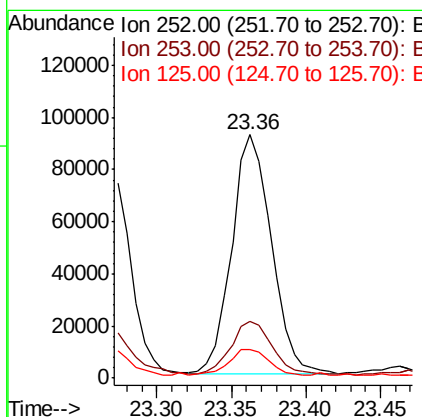
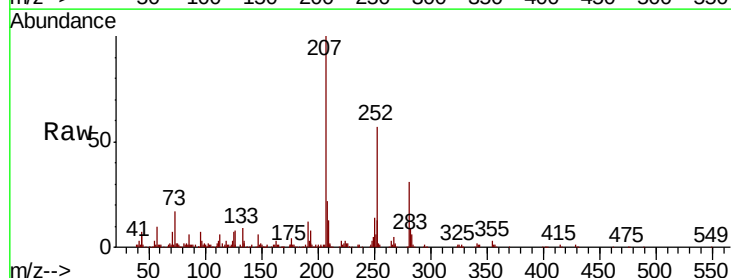
Instrument :
BNA_M
ClientSampleId :

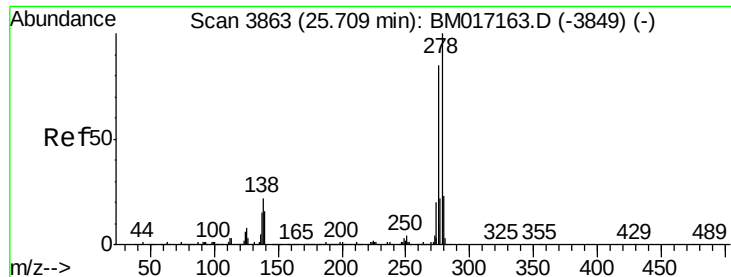
Tot Ion:252 Resp: 344017
Ion Ratio Lower Upper
252 100
253 24.8 17.5 26.3
125 11.3 8.2 12.2



#90
Benzo(a)pyrene
Concen: 2.362 ng
RT: 23.36 min Scan# 3464
Delta R.T. -0.02 min
Lab File: BM017244.D
Acq: 19 Oct 2018 23:41

Tgt Ion:252 Resp: 169355
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.8 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 0.324 ng

RT: 25.67 min Scan# 3856

Delta R.T. -0.04 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

Instrument :

BNA_M

ClientSampleId :

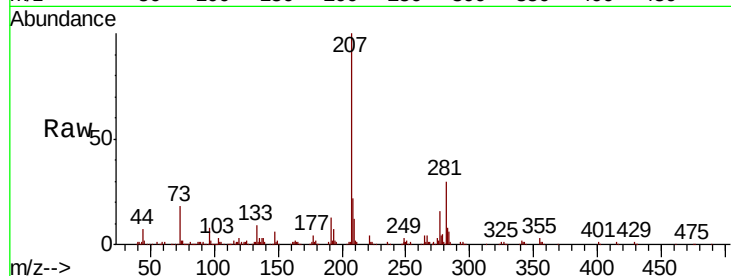
Tot Ion:278 Resp: 23096

Ion Ratio Lower Upper

278 100

139 15.1 12.7 19.1

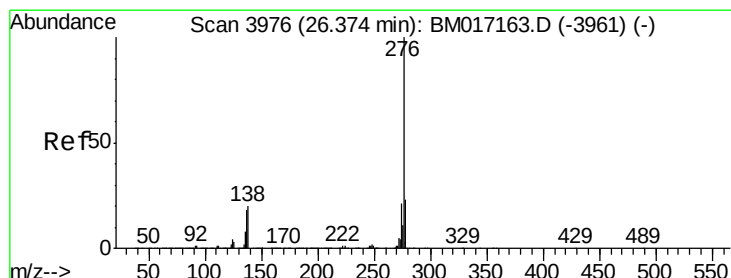
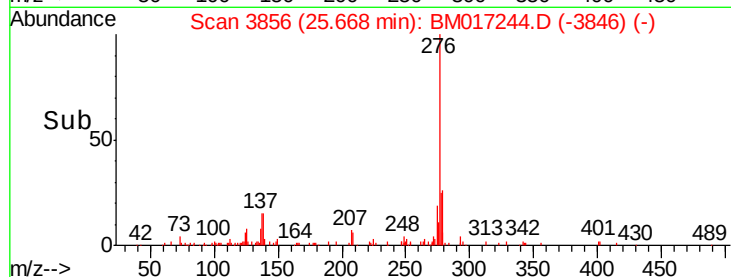
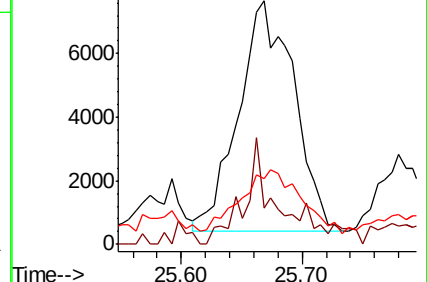
279 27.0 18.7 28.1



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



#92

Benzo(g,h,i)perylene

Concen: 0.920 ng

RT: 26.34 min Scan# 3970

Delta R.T. -0.03 min

Lab File: BM017244.D

Acq: 19 Oct 2018 23:41

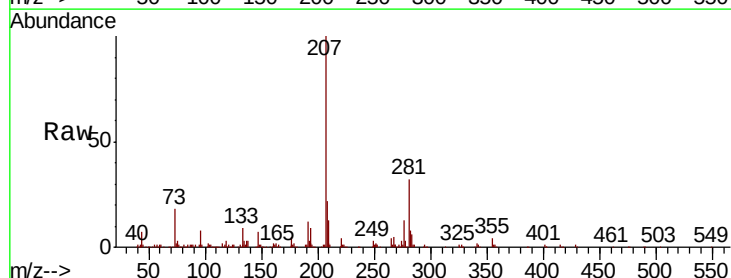
Tgt Ion:276 Resp: 64948

Ion Ratio Lower Upper

276 100

277 25.4 18.6 28.0

138 22.0 16.4 24.6



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

