

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM021319\
 Data File : BM018804.D
 Acq On : 13 Feb 2019 16:32
 Operator : JU/SJ
 Sample : K1343-22
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 JC-02-021119-K

Quant Time: Feb 14 00:49:59 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM021119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 11 16:02:12 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.72	152	332013	20.00	ng	0.00
21) Naphthalene-d8	10.50	136	1301108	20.00	ng	0.00
39) Acenaphthene-d10	14.36	164	720605	20.00	ng	0.00
64) Phenanthrene-d10	17.12	188	1671816	20.00	ng	0.00
76) Chrysene-d12	21.31	240	1738038	20.00	ng	0.00
87) Perylene-d12	23.57	264	1640957	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.31	112	2682858	132.40	ng	0.00
7) Phenol-d6	6.89	99	3160279	110.71	ng	0.00
23) Nitrobenzene-d5	8.88	82	2818432	100.16	ng	0.00
42) 2,4,6-Tribromophenol	15.86	330	1603702	154.39	ng	0.00
45) 2-Fluorobiphenyl	12.98	172	5348683	98.53	ng	0.00
79) Terphenyl-d14	19.75	244	9163736	108.77	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.26	88	536	0.061	ng	# 1
3) Pyridine	3.65	79	543	0.023	ng	# 1
4) n-Nitrosodimethylamine	3.58	42	574	0.094	ng	# 1
6) Aniline	7.07	93	106	0.003	ng	# 40
8) 2-Chlorophenol	7.28	128	702	0.032	ng	# 1
9) Benzaldehyde	6.89	77	7238	Below Cal		# 22
10) Phenol	6.91	94	1139	0.038	ng	# 1
11) bis(2-Chloroethyl)ether	7.07	93	106	0.005	ng	# 20
15) Benzyl Alcohol	8.03	79	42629	1.879	ng	# 43
16) 2,2'-oxybis(1-Chloropropan	8.30	45	507	0.023	ng	# 63
18) Hexachloroethane	8.80	117	1974	0.212	ng	# 1
22) Acetophenone	8.55	105	3853	0.108	ng	# 83
24) Nitrobenzene	8.88	77	9921	0.340	ng	# 40
25) Isophorone	9.45	82	1122	0.025	ng	# 68
31) Naphthalene	10.56	128	14997	0.236	ng	# 94
32) Benzoic acid	9.83	122	1536	0.104	ng	# 83
37) 2-Methylnaphthalene	12.17	142	6950	0.156	ng	# 93
38) 1-Methylnaphthalene	12.39	142	5884	0.135	ng	# 96
46) 1,1'-Biphenyl	13.19	154	10388	0.167	ng	# 96
49) Acenaphthylene	14.08	152	109	0.002	ng	# 61
50) Dimethylphthalate	13.84	163	695	0.012	ng	# 78
51) 2,6-Dinitrotoluene	13.88	165	842	0.065	ng	# 20
52) Acenaphthene	14.43	154	1799	0.041	ng	# 89
55) Dibenzofuran	14.77	168	1549	0.022	ng	# 91
58) Fluorene	15.42	166	1833	0.033	ng	# 95
60) Diethylphthalate	15.19	149	9296	0.150	ng	# 96
63) Azobenzene	15.73	77	2138	0.032	ng	# 60
70) Pentachlorophenol	16.79	266	128	0.009	ng	# 18
71) Phenanthrene	17.16	178	8985	0.100	ng	# 93
72) Anthracene	17.24	178	1244	0.014	ng	# 61
73) Carbazole	17.54	167	3017	0.033	ng	# 87
74) Di-n-butylphthalate	18.08	149	19277	0.183	ng	# 96
75) Fluoranthene	19.18	202	4315	0.042	ng	# 89
77) Benzidine	19.39	184	115	0.003	ng	# 67

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

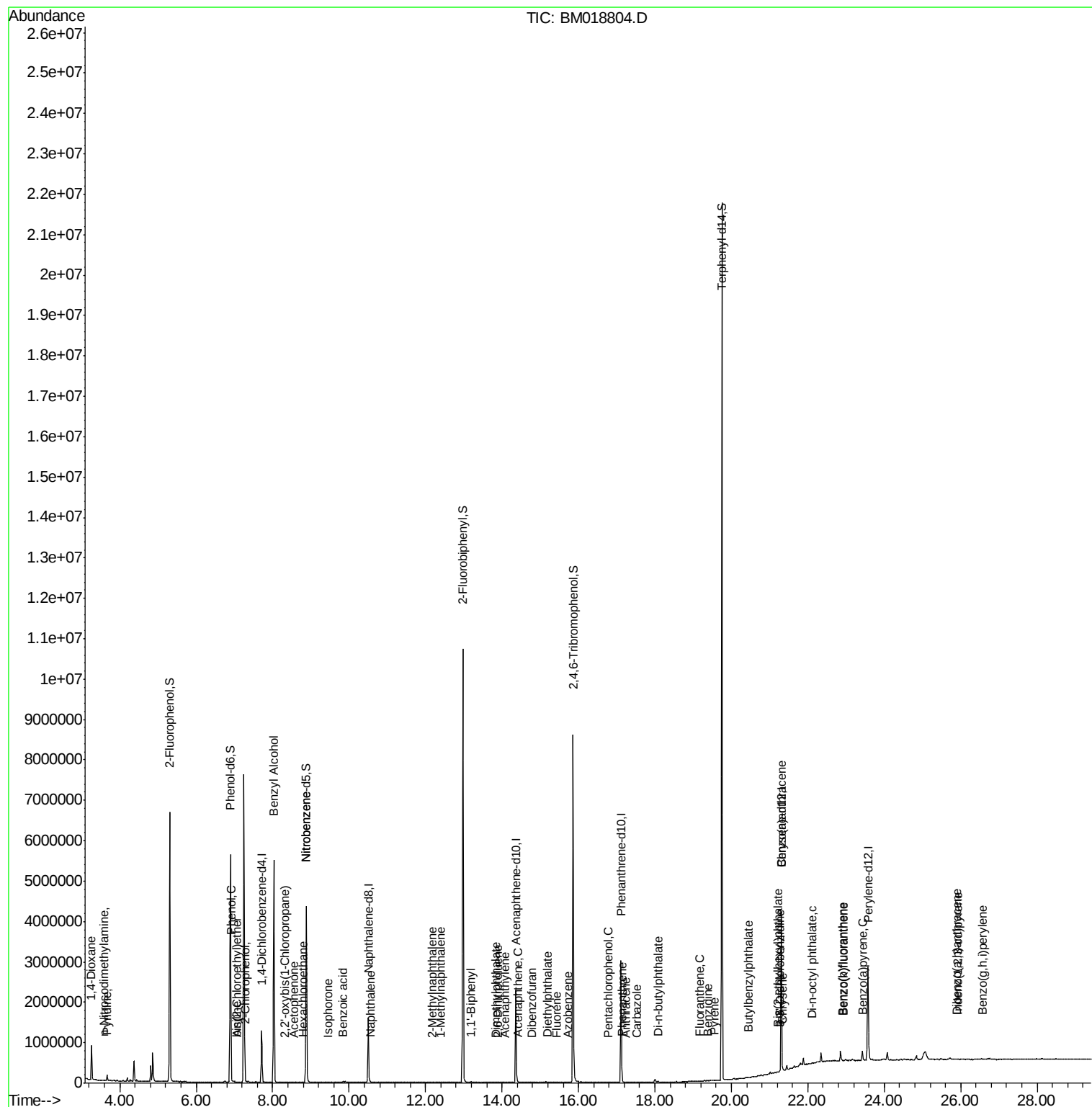
78) Pyrene	19.55	202	3537	0.035	ng	# 91
80) Butylbenzylphthalate	20.45	149	3258	0.071	ng	91
81) Benzo(a)anthracene	21.31	228	6290	0.062	ng	# 71
82) 3,3'-Dichlorobenzidine	21.25	252	2148	0.054	ng	# 95
83) Chrysene	21.34	228	2806	0.029	ng	# 92
84) Bis(2-ethylhexyl)phthalate	21.22	149	3867	0.057	ng	# 86
85) Di-n-octyl phthalate	22.11	149	1252	0.011	ng	# 78
86) Indeno(1,2,3-cd)pyrene	25.92	276	1387	0.012	ng	# 58
88) Benzo(b)fluoranthene	22.90	252	1509	0.016	ng	# 1
89) Benzo(k)fluoranthene	22.93	252	272	0.003	ng	# 1
90) Benzo(a)pyrene	23.46	252	1136	0.013	ng	# 1
91) Dibenzo(a,h)anthracene	25.90	278	556	0.006	ng	# 1
92) Benzo(g,h,i)perylene	26.58	276	801	0.010	ng	# 53

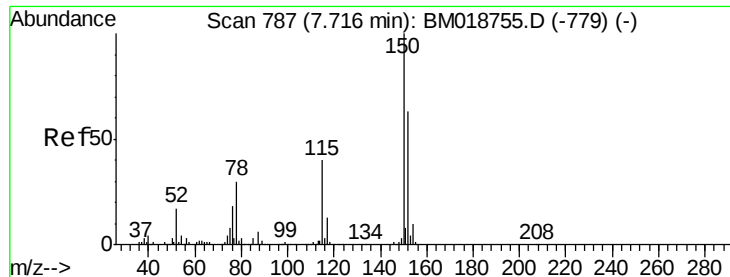
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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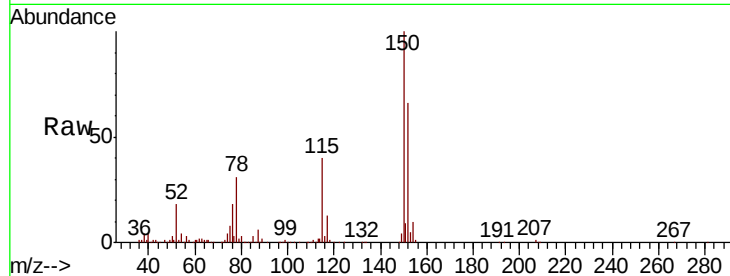


#1

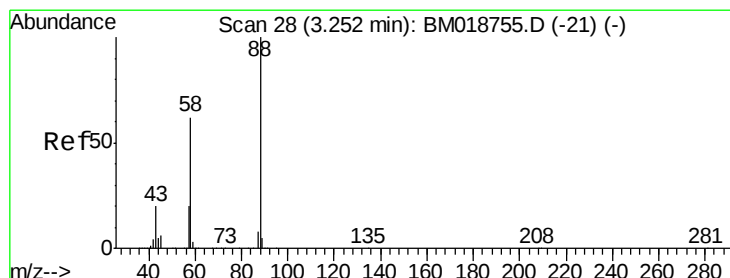
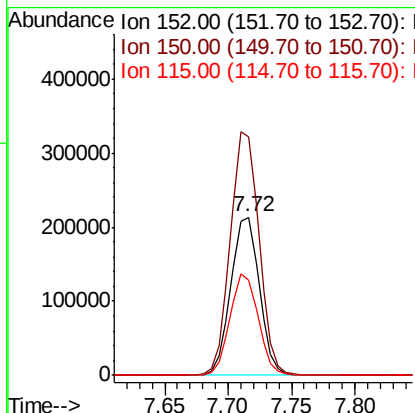
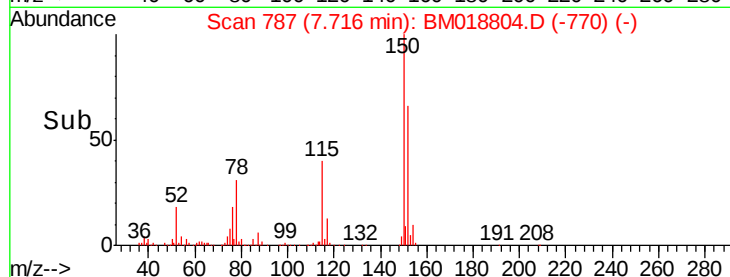
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.72 min Scan# 787
Delta R.T. -0.00 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Instrument :
BNA_M
ClientSampleId :
JC-02-021119-K

Tgt Ion:152 Resp: 332013
Ion Ratio Lower Upper
152 100
150 151.0 127.3 190.9
115 60.3 50.8 76.2



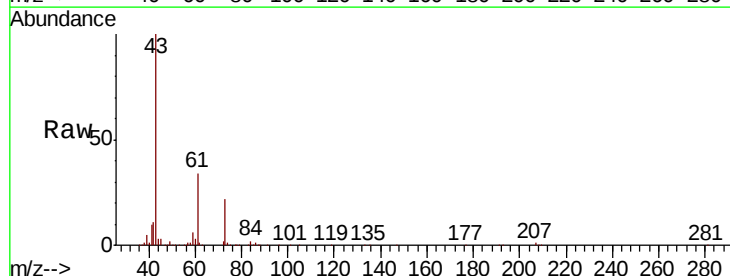
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



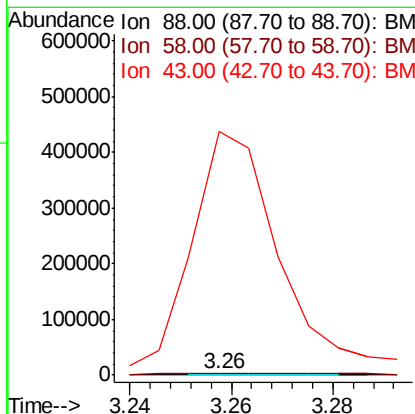
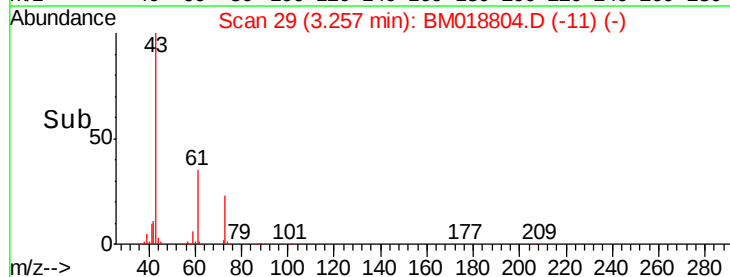
#2

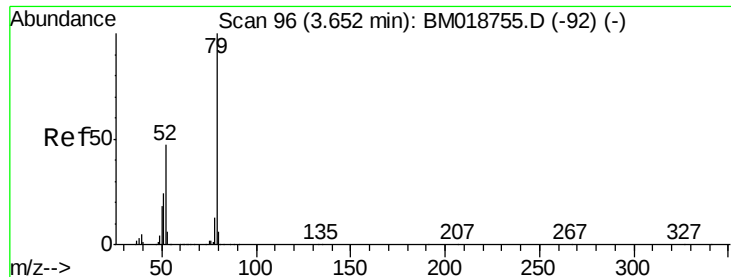
1,4-Dioxane
Concen: 0.061 ng
RT: 3.26 min Scan# 29
Delta R.T. 0.01 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Tgt Ion: 88 Resp: 536
Ion Ratio Lower Upper
88 100
58 586.8 49.8 74.6#
43 92067.7 16.7 25.1#



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

Pyridine

Concen: 0.023 ng

RT: 3.65 min Scan# 96

Delta R.T. -0.00 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

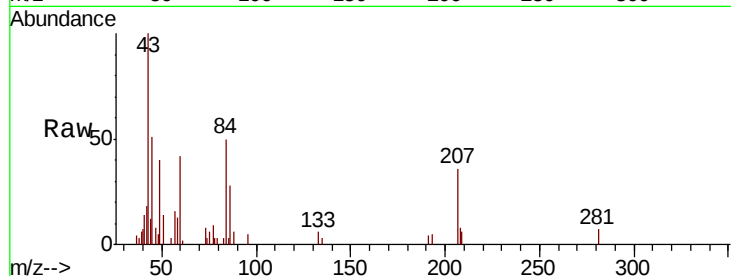
Tgt Ion: 79 Resp: 543

Ion Ratio Lower Upper

79 100

52 0.0 37.6 56.4#

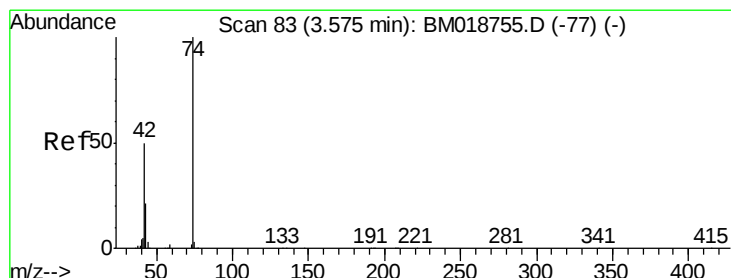
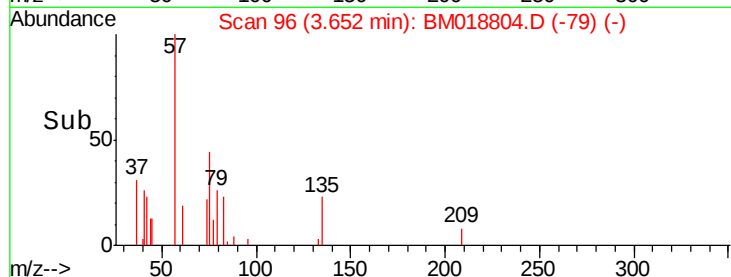
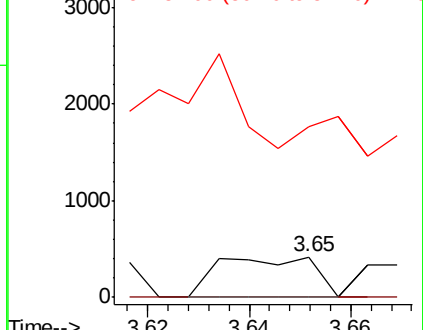
51 420.7 19.7 29.5#



Abundance Ion 79.00 (78.70 to 79.70): BM018755.D (-92) (-)

Ion 52.00 (51.70 to 52.70): BM018755.D (-92) (-)

Ion 51.00 (50.70 to 51.70): BM018755.D (-92) (-)



#4

n-Nitrosodimethylamine

Concen: 0.094 ng

RT: 3.58 min Scan# 84

Delta R.T. 0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

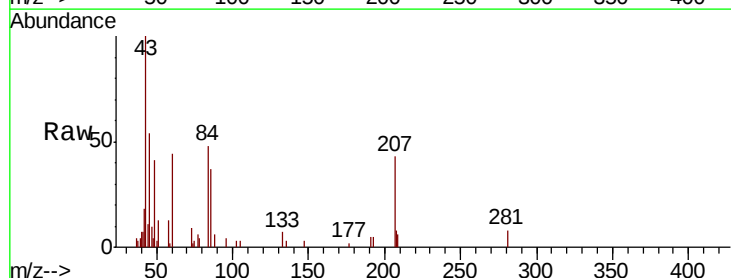
Tgt Ion: 42 Resp: 574

Ion Ratio Lower Upper

42 100

74 13.8 158.1 237.1#

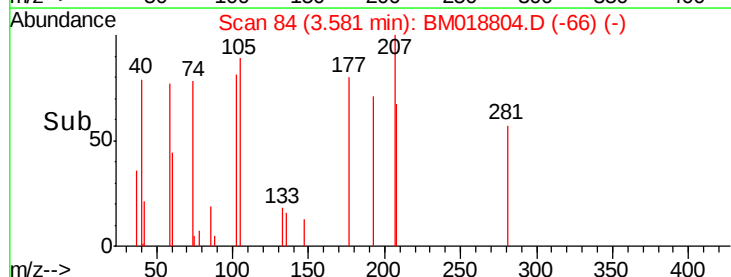
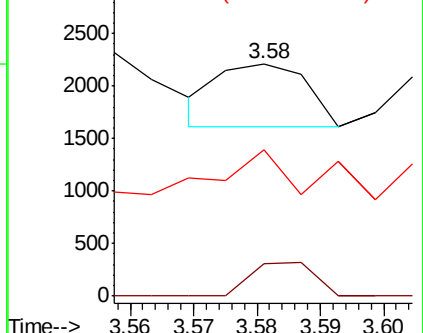
44 62.7 4.9 7.3#

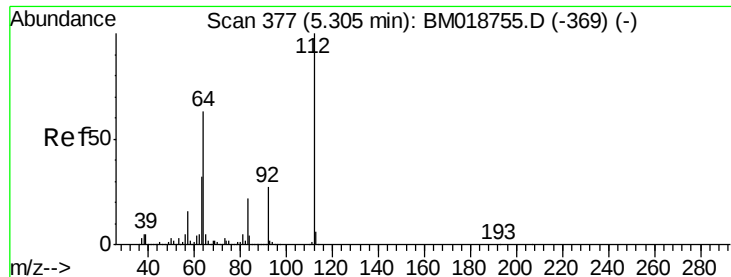


Abundance Ion 42.00 (41.70 to 42.70): BM018755.D (-77) (-)

Ion 74.00 (73.70 to 74.70): BM018755.D (-77) (-)

Ion 44.00 (43.70 to 44.70): BM018755.D (-77) (-)





#5

2-Fluorophenol

Concen: 132.398 ng

RT: 5.31 min Scan# 378

Delta R.T. 0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

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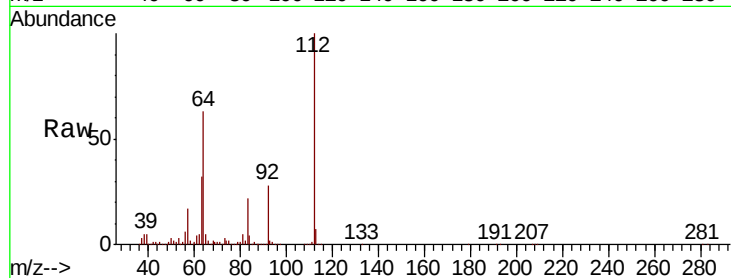
Tgt Ion:112 Resp: 2682858

Ion Ratio Lower Upper

112 100

64 63.5 50.6 75.8

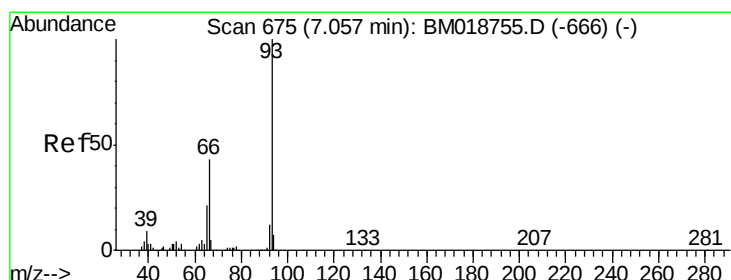
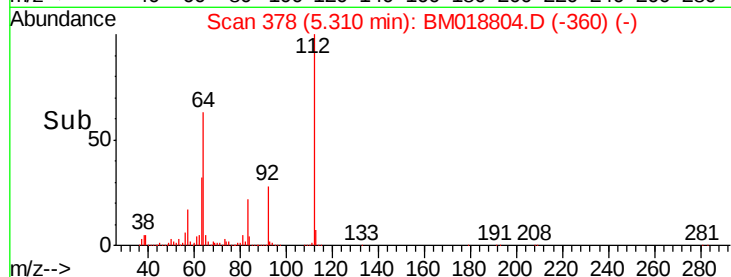
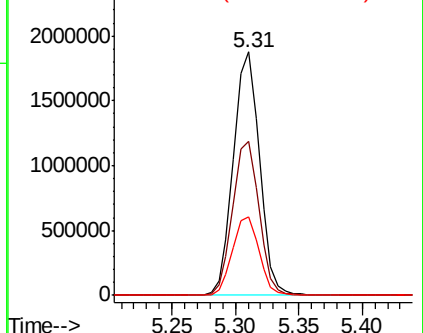
63 32.3 25.7 38.5



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



#6

Aniline

Concen: 0.003 ng

RT: 7.07 min Scan# 678

Delta R.T. 0.02 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

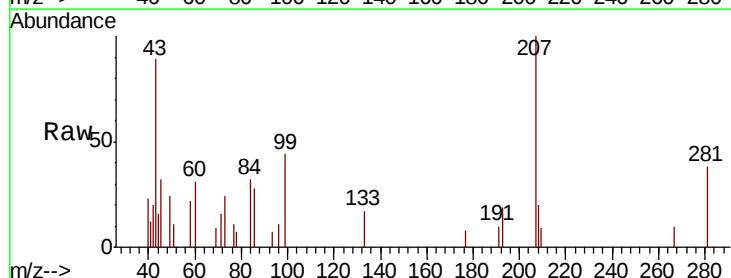
Tgt Ion: 93 Resp: 106

Ion Ratio Lower Upper

93 100

66 0.0 34.1 51.1#

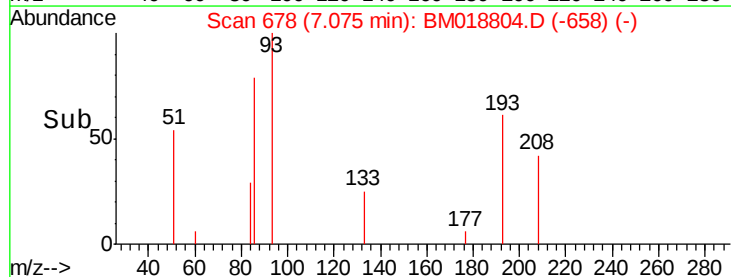
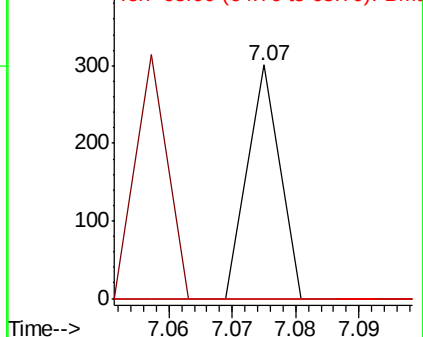
65 0.0 16.6 24.8#

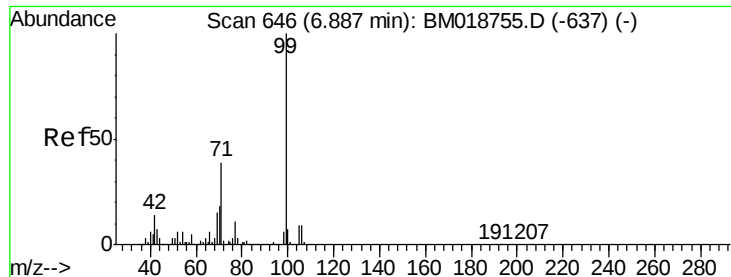


Abundance Ion 93.00 (92.70 to 93.70): B

Ion 66.00 (65.70 to 66.70): B

Ion 65.00 (64.70 to 65.70): B





#7

Phenol-d6

Concen: 110.707 ng

RT: 6.89 min Scan# 647

Delta R.T. 0.01 min

Lab File: BM018804.D

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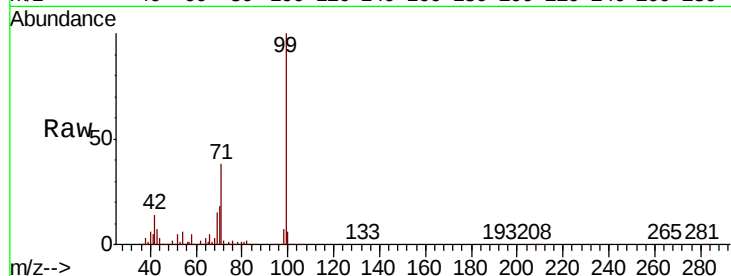
Tgt Ion: 99 Resp: 3160279

Ion Ratio Lower Upper

99 100

42 13.8 11.0 16.6

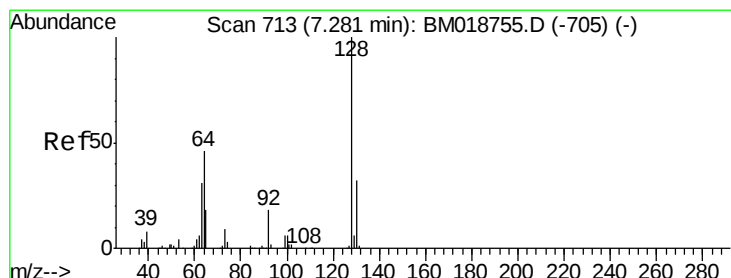
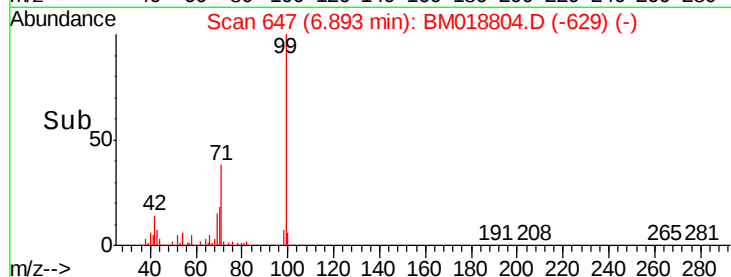
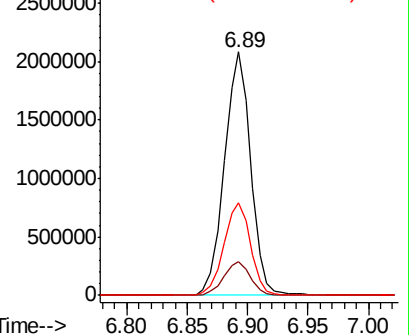
71 38.2 31.3 46.9



Abundance Ion 99.00 (98.70 to 99.70): BM018755.D (-637) (-)

Ion 42.00 (41.70 to 42.70): BM018755.D (-637) (-)

Ion 71.00 (70.70 to 71.70): BM018755.D (-637) (-)



#8

2-Chlorophenol

Concen: 0.032 ng

RT: 7.28 min Scan# 713

Delta R.T. -0.00 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

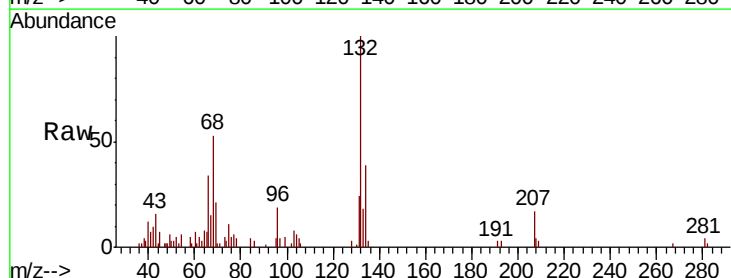
Tgt Ion: 128 Resp: 702

Ion Ratio Lower Upper

128 100

130 44.6 11.7 51.7

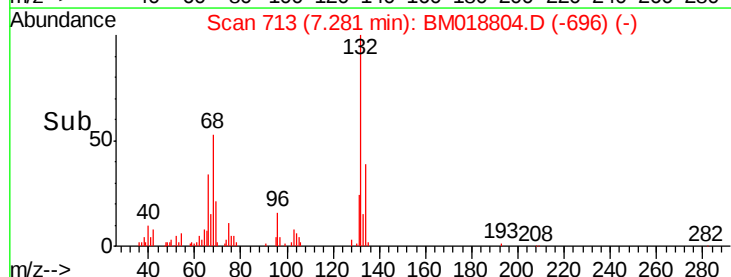
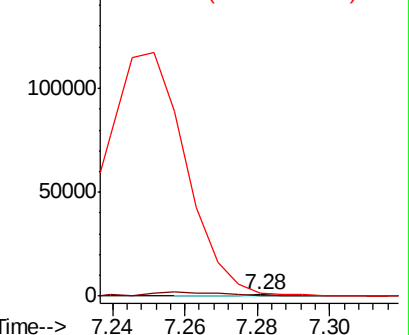
64 244.3 31.0 71.0#

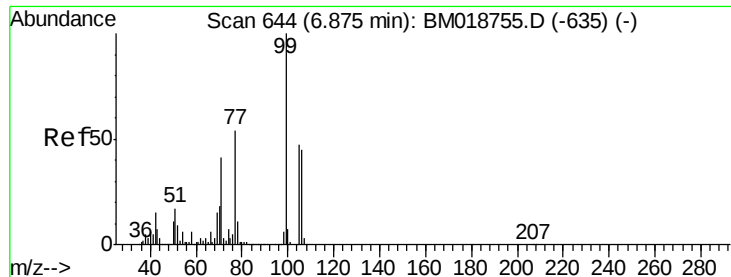


Abundance Ion 128.00 (127.70 to 128.70): BM018755.D (-705) (-)

Ion 130.00 (129.70 to 130.70): BM018755.D (-705) (-)

Ion 64.00 (63.70 to 64.70): BM018755.D (-705) (-)





#9

Benzaldehyde

Concen: Below Cal

RT: 6.89 min Scan# 646

Delta R.T. 0.01 min

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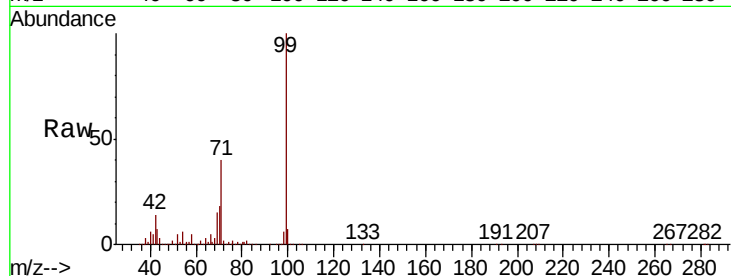
Tgt Ion: 77 Resp: 7238

Ion Ratio Lower Upper

77 100

105 17.9 67.3 107.3#

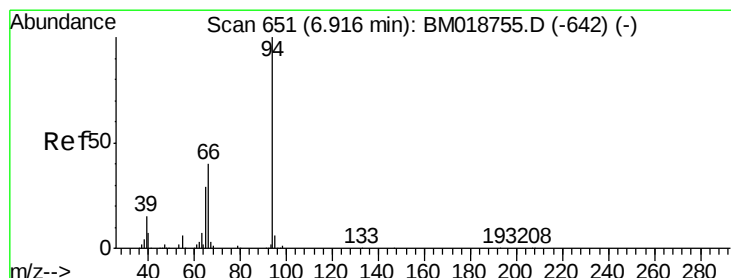
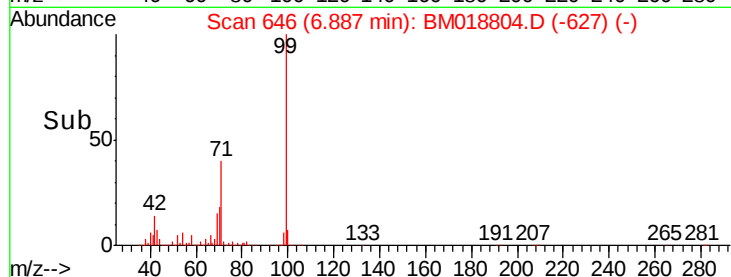
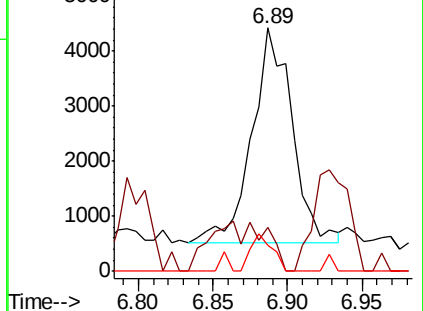
106 10.7 62.9 102.9#



Abundance Ion 77.00 (76.70 to 77.70): BMC

Ion 105.00 (104.70 to 105.70): BMC

Ion 106.00 (105.70 to 106.70): BMC



#10

Phenol

Concen: 0.038 ng

RT: 6.91 min Scan# 650

Delta R.T. -0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

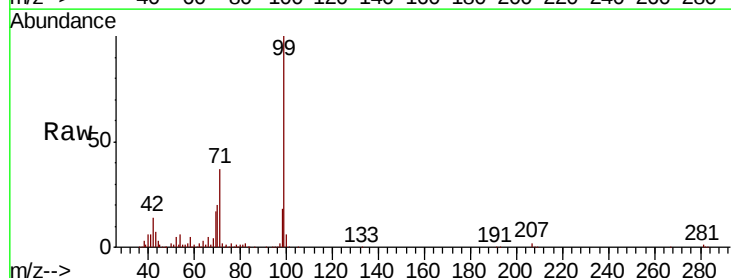
Tgt Ion: 94 Resp: 1139

Ion Ratio Lower Upper

94 100

65 821.4 9.6 49.6#

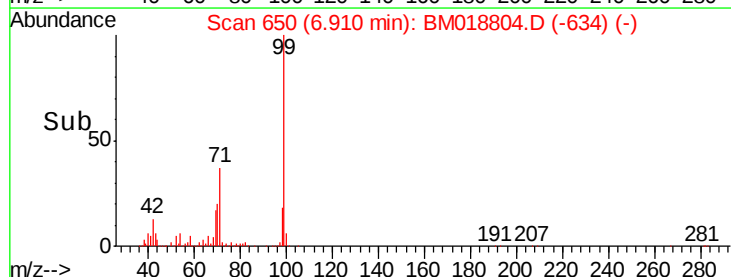
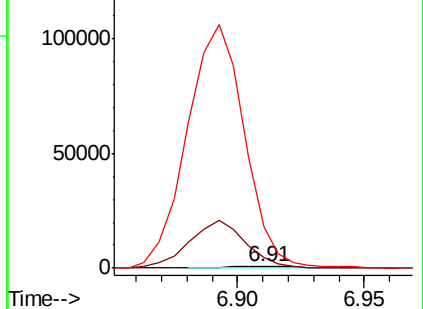
66 3337.2 20.4 60.4#

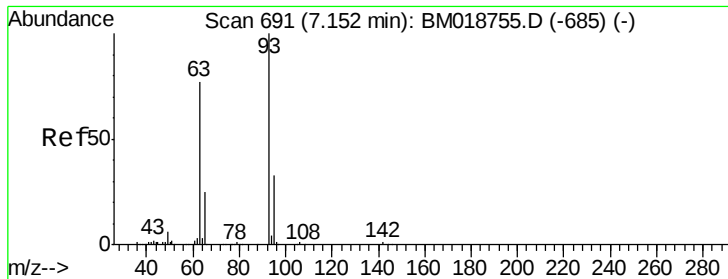


Abundance Ion 94.00 (93.70 to 94.70): BMC

Ion 65.00 (64.70 to 65.70): BMC

Ion 66.00 (65.70 to 66.70): BMC

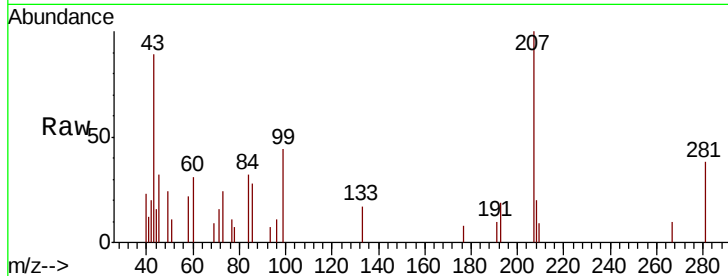




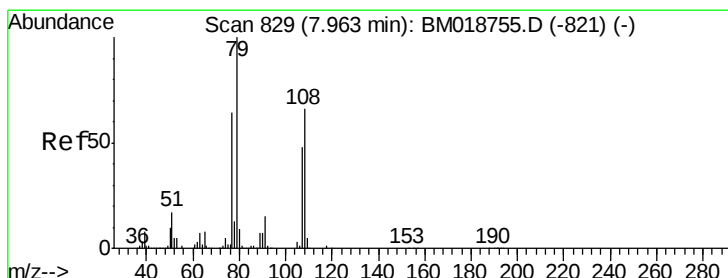
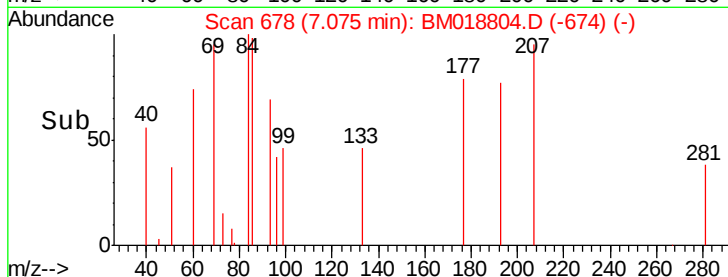
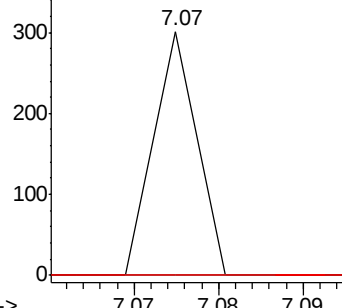
#11
bis(2-Chloroethyl)ether
Concen: 0.005 ng
RT: 7.07 min Scan# 678
Delta R.T. -0.08 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Instrument :
BNA_M
ClientSampleId :
JC-02-021119-K

Tgt Ion: 93 Resp: 106
Ion Ratio Lower Upper
93 100
63 0.0 57.0 97.0#
95 0.0 12.4 52.4#

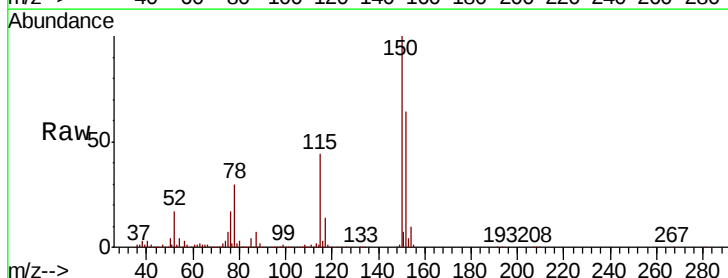


Abundance Ion 93.00 (92.70 to 93.70): BM0
Ion 63.00 (62.70 to 63.70): BM0
Ion 95.00 (94.70 to 95.70): BM0

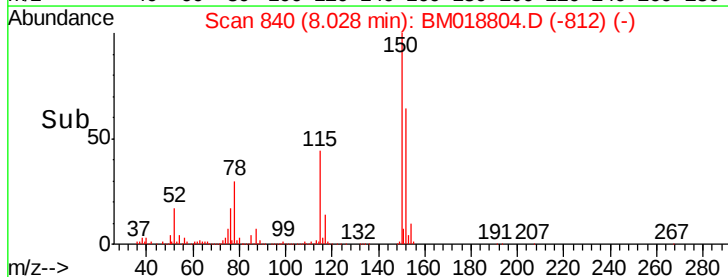
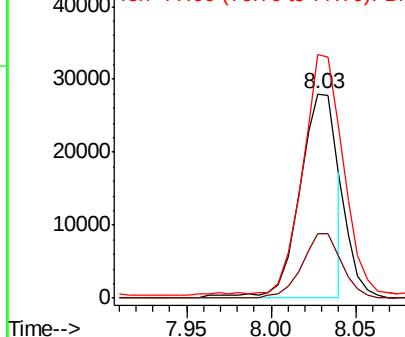


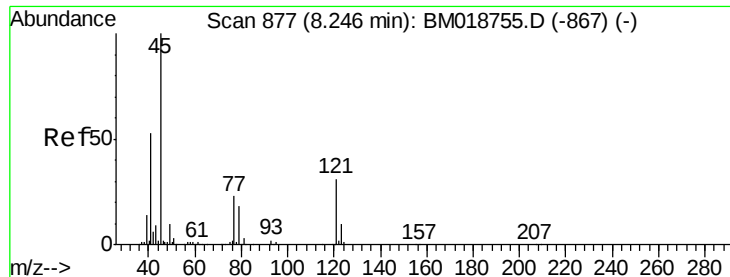
#15
Benzyl Alcohol
Concen: 1.879 ng
RT: 8.03 min Scan# 840
Delta R.T. 0.06 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Tgt Ion: 79 Resp: 42629
Ion Ratio Lower Upper
79 100
108 31.6 52.7 79.1#
77 119.2 51.0 76.4#



Abundance Ion 79.00 (78.70 to 79.70): BM0
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BM0

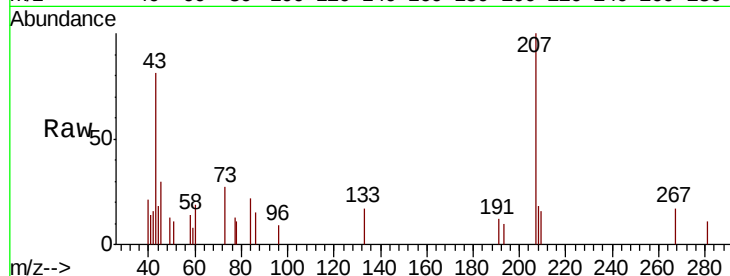




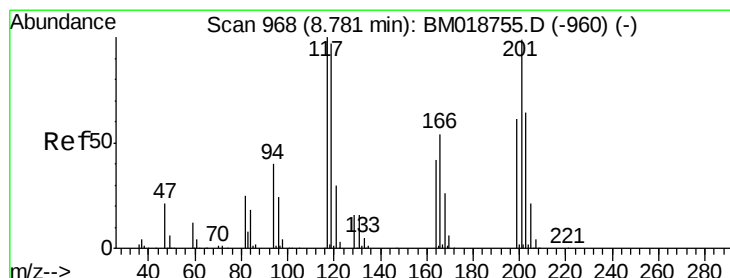
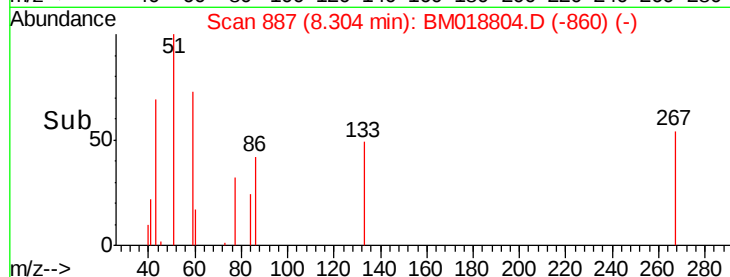
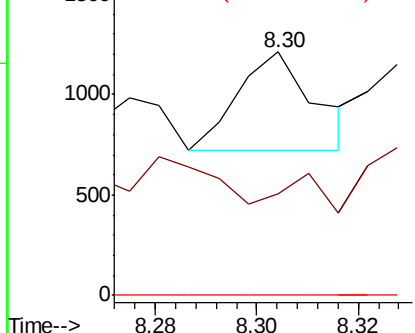
#16
 2,2'-oxybis(1-Chloropropane)
 Concen: 0.023 ng
 RT: 8.30 min Scan# 887
 Delta R.T. 0.06 min
 Lab File: BM018804.D
 Acq: 13 Feb 2019 16:32

Instrument :
 BNA_M
 ClientSampleId :
 JC-02-021119-K

Tgt Ion: 45 Resp: 507
 Ion Ratio Lower Upper
 45 100
 77 41.5 5.0 45.0
 79 0.0 0.0 39.3

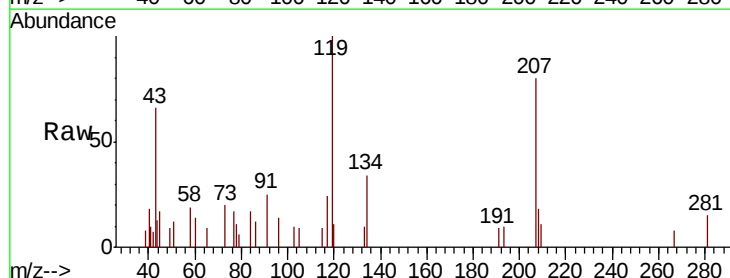


Abundance Ion 45.00 (44.70 to 45.70): BM0
 Ion 77.00 (76.70 to 77.70): BM0
 Ion 79.00 (78.70 to 79.70): BM0

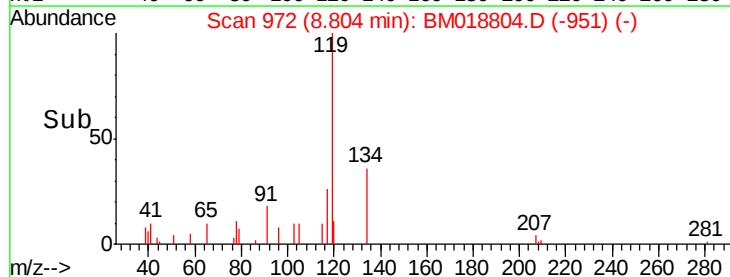
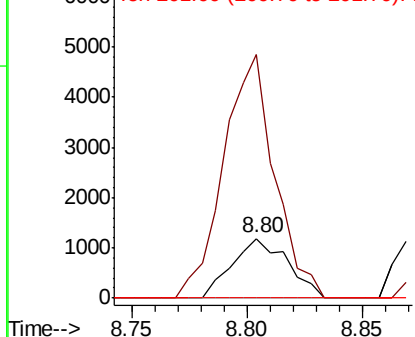


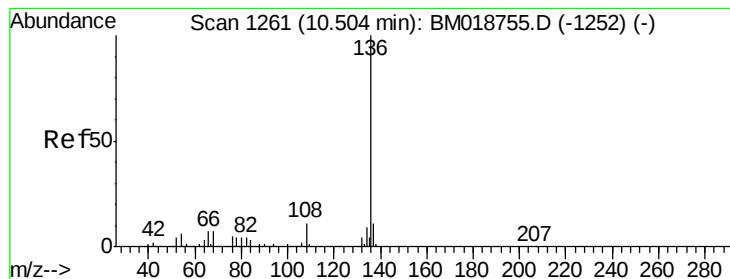
#18
 Hexachloroethane
 Concen: 0.212 ng
 RT: 8.80 min Scan# 972
 Delta R.T. 0.02 min
 Lab File: BM018804.D
 Acq: 13 Feb 2019 16:32

Tgt Ion: 117 Resp: 1974
 Ion Ratio Lower Upper
 117 100
 119 409.6 77.9 116.9#
 201 0.0 79.2 118.8#



Abundance Ion 117.00 (116.70 to 117.70): E
 Ion 119.00 (118.70 to 119.70): E
 Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.50 min Scan# 1261

Delta R.T. -0.00 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

Tgt Ion:136 Resp: 1301108

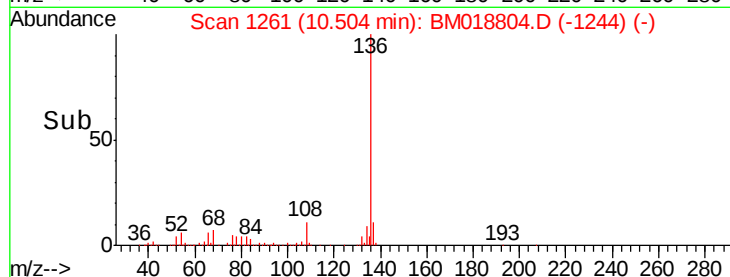
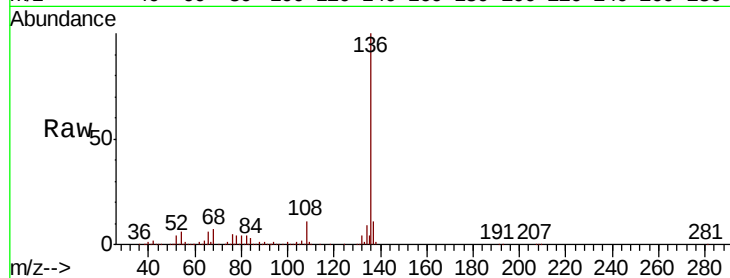
Ion Ratio Lower Upper

136 100

137 10.7 8.8 13.2

54 6.4 5.0 7.6

68 7.1 5.5 8.3

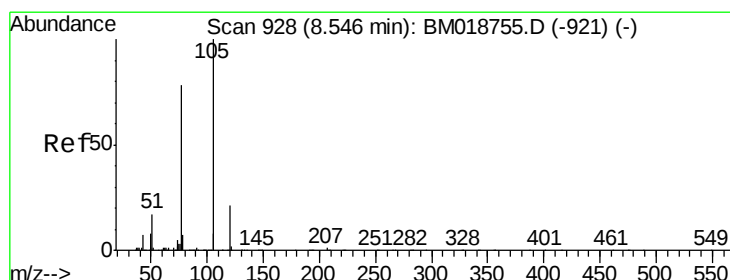
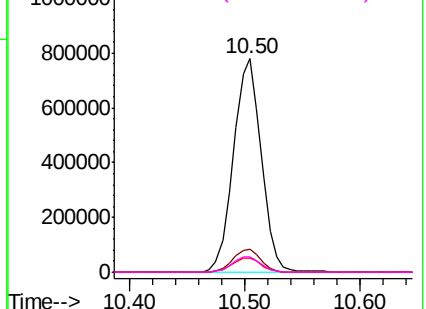


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



#22

Acetophenone

Concen: 0.108 ng

RT: 8.55 min Scan# 929

Delta R.T. 0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Tgt Ion:105 Resp: 3853

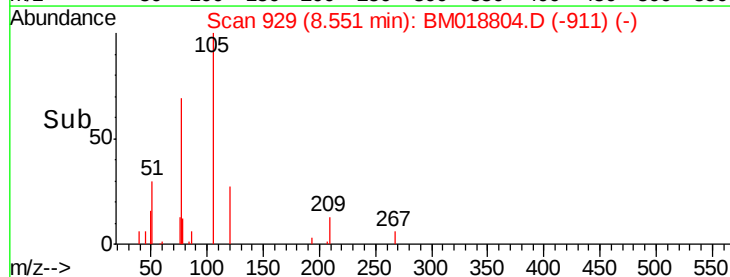
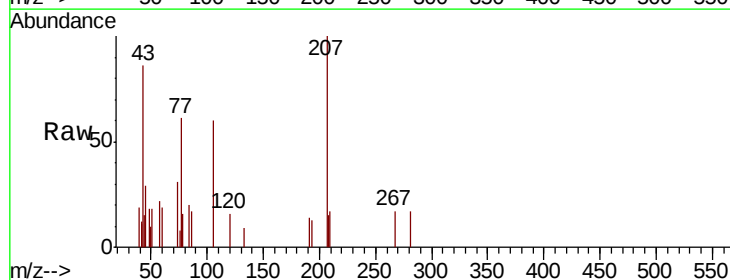
Ion Ratio Lower Upper

105 100

71 0.0 1.1 1.7#

51 29.9 15.5 23.3#

120 26.8 17.0 25.4#

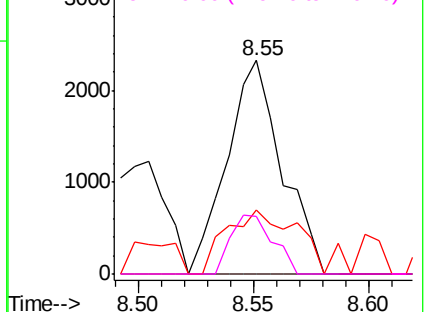


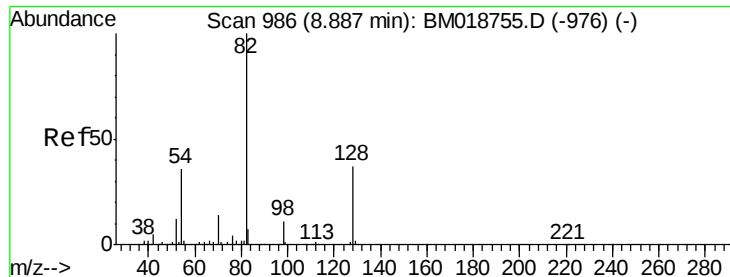
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E

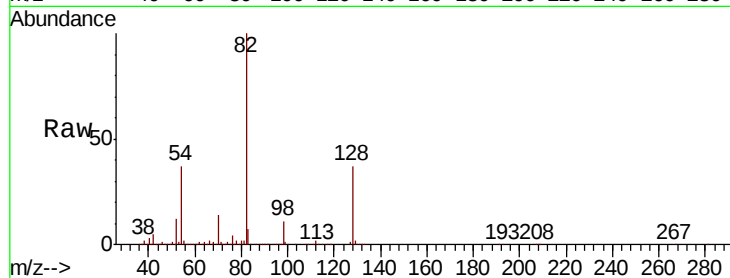




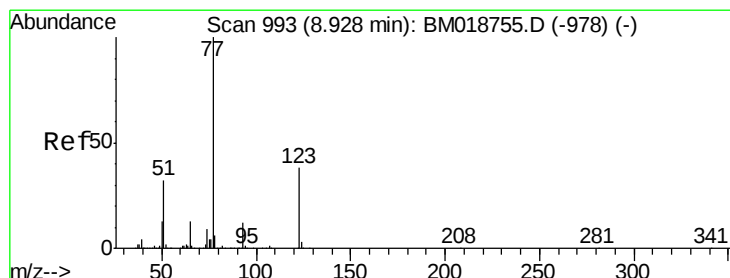
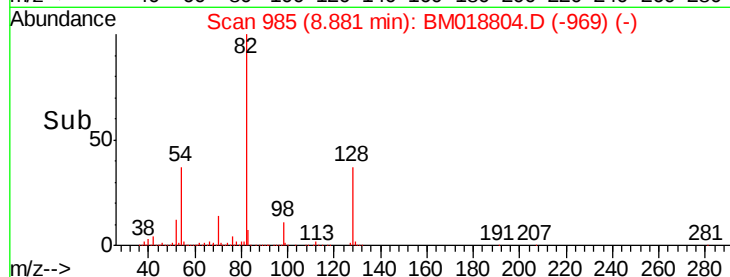
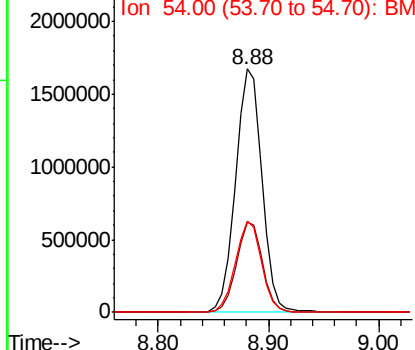
#23
 Nitrobenzene-d5
 Concen: 100.161 ng
 RT: 8.88 min Scan# 985
 Delta R.T. -0.01 min
 Lab File: BM018804.D
 Acq: 13 Feb 2019 16:32

Instrument :
 BNA_M
 ClientSampleId :
 JC-02-021119-K

Tgt Ion: 82 Resp: 2818432
 Ion Ratio Lower Upper
 82 100
 128 37.1 29.9 44.9
 54 37.3 29.1 43.7

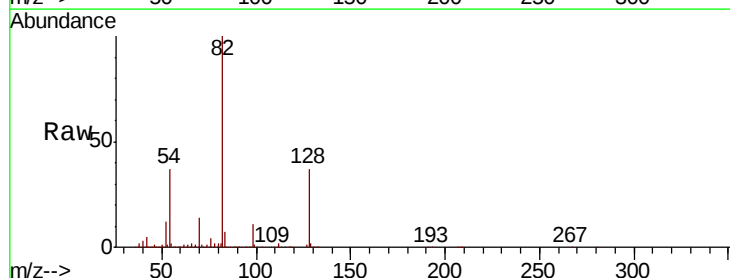


Abundance Ion 82.00 (81.70 to 82.70): BM018755.D (-976) (-)
 Ion 128.00 (127.70 to 128.70): BM018755.D (-976) (-)
 Ion 54.00 (53.70 to 54.70): BM018755.D (-976) (-)

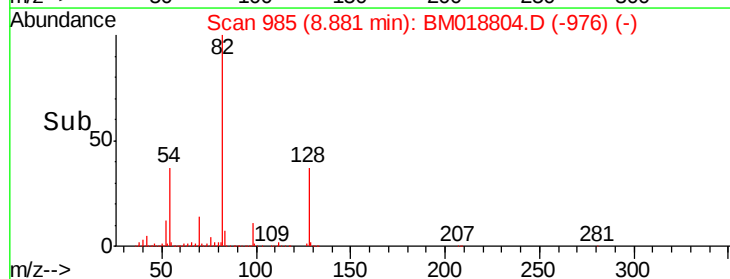
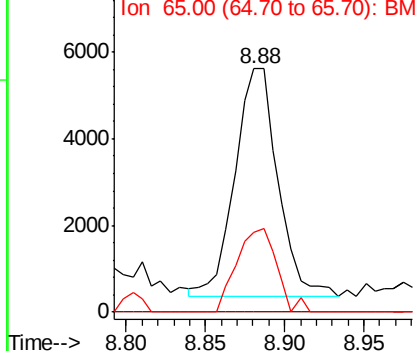


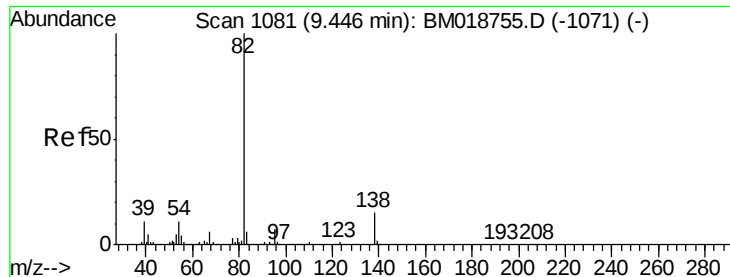
#24
 Nitrobenzene
 Concen: 0.340 ng
 RT: 8.88 min Scan# 985
 Delta R.T. -0.05 min
 Lab File: BM018804.D
 Acq: 13 Feb 2019 16:32

Tgt Ion: 77 Resp: 9921
 Ion Ratio Lower Upper
 77 100
 123 0.0 30.7 46.1#
 65 32.6 10.5 15.7#



Abundance Ion 77.00 (76.70 to 77.70): BM018755.D (-978) (-)
 Ion 123.00 (122.70 to 123.70): BM018755.D (-978) (-)
 Ion 65.00 (64.70 to 65.70): BM018755.D (-978) (-)





#25

Isophorone

Concen: 0.025 ng

RT: 9.45 min Scan# 1082

Delta R.T. 0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

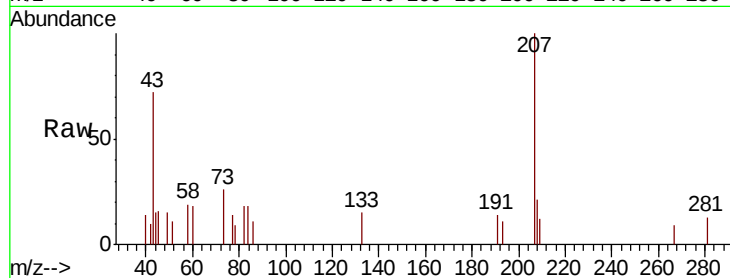
Tgt Ion: 82 Resp: 1122

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

138 0.0 12.3 18.5#

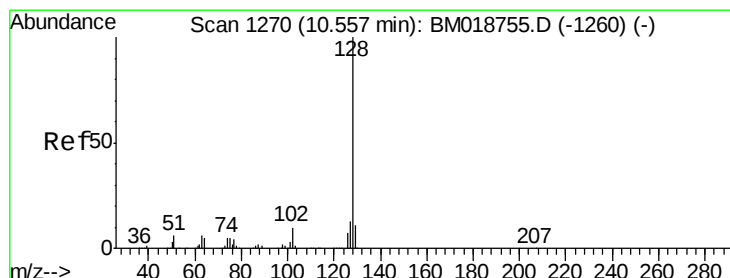
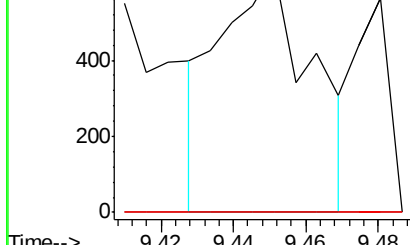
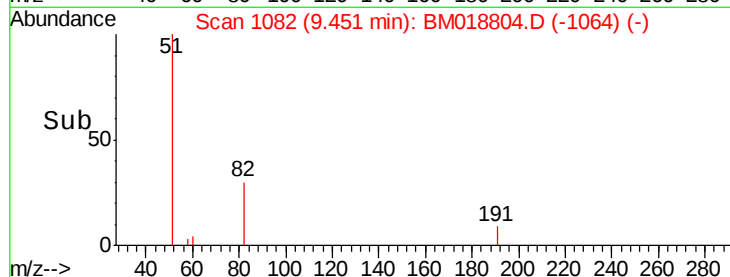


Abundance Ion 82.00 (81.70 to 82.70): BM018804.D (-1064) (-)

Ion 95.00 (94.70 to 95.70): BM018804.D (-1064) (-)

Ion 138.00 (137.70 to 138.70): BM018804.D (-1064) (-)

Time-->



#31

Naphthalene

Concen: 0.236 ng

RT: 10.56 min Scan# 1270

Delta R.T. -0.00 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

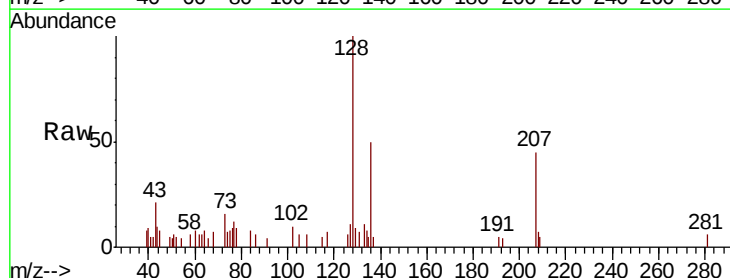
Tgt Ion: 128 Resp: 14997

Ion Ratio Lower Upper

128 100

129 9.3 9.0 13.4

127 10.7 10.7 16.1

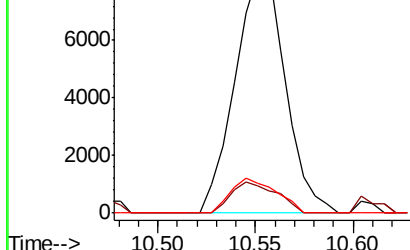
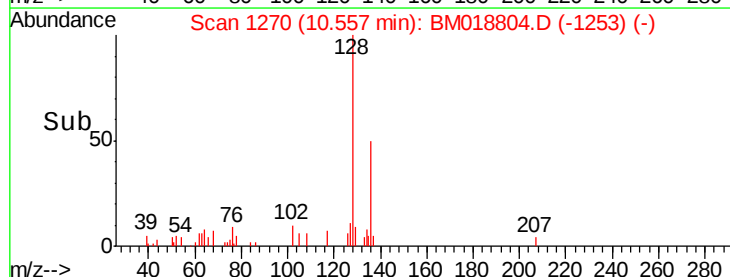


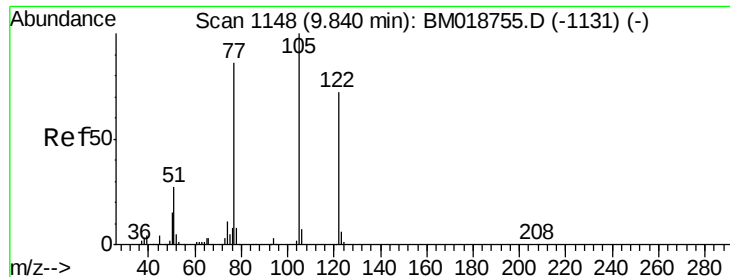
Abundance Ion 128.00 (127.70 to 128.70): BM018804.D (-1253) (-)

Ion 129.00 (128.70 to 129.70): BM018804.D (-1253) (-)

Ion 127.00 (126.70 to 127.70): BM018804.D (-1253) (-)

Time-->

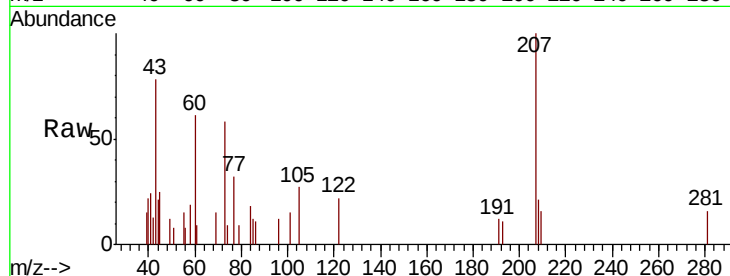




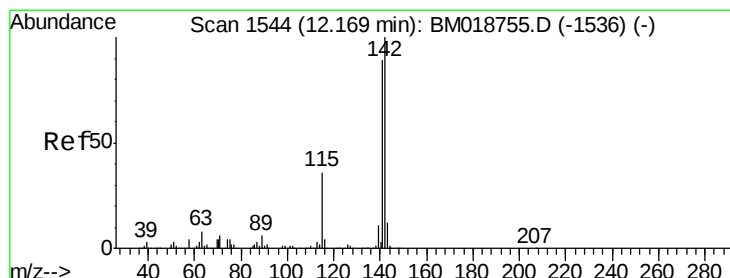
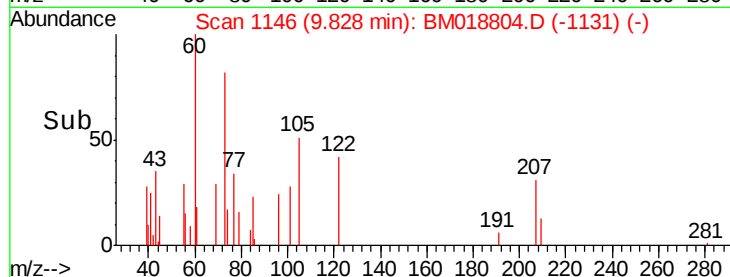
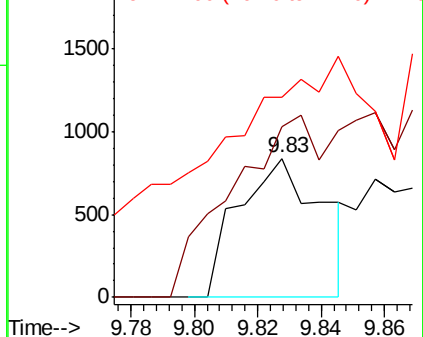
#32
Benzoic acid
Concen: 0.104 ng
RT: 9.83 min Scan# 1146
Delta R.T. -0.01 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Instrument :
BNA_M
ClientSampleId :
JC-02-021119-K

Tgt Ion:122 Resp: 1536
Ion Ratio Lower Upper
122 100
105 122.7 117.5 157.5
77 143.9 98.5 138.5#

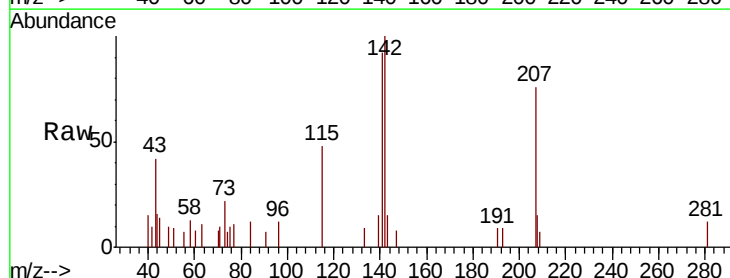


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM

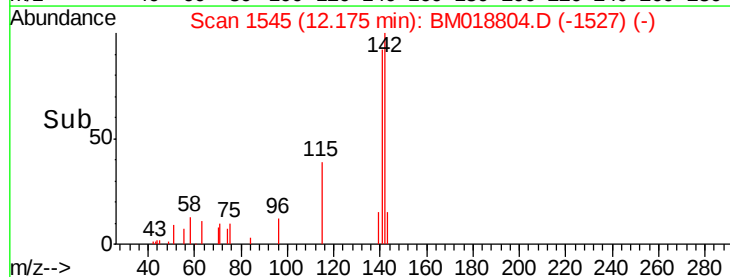
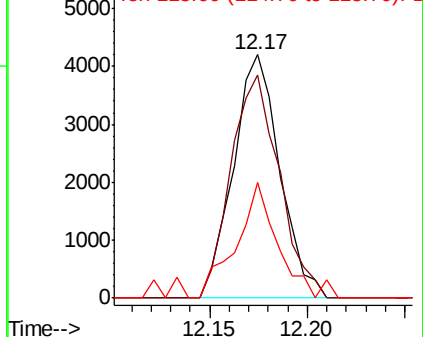


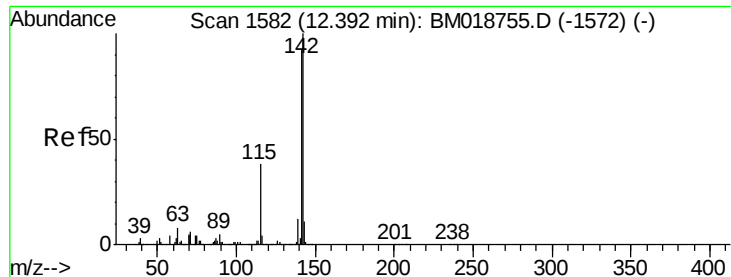
#37
2-Methylnaphthalene
Concen: 0.156 ng
RT: 12.17 min Scan# 1545
Delta R.T. 0.01 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Tgt Ion:142 Resp: 6950
Ion Ratio Lower Upper
142 100
141 91.6 71.2 106.8
115 47.6 29.1 43.7#



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

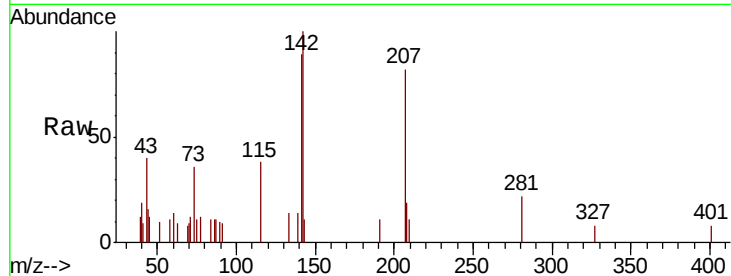




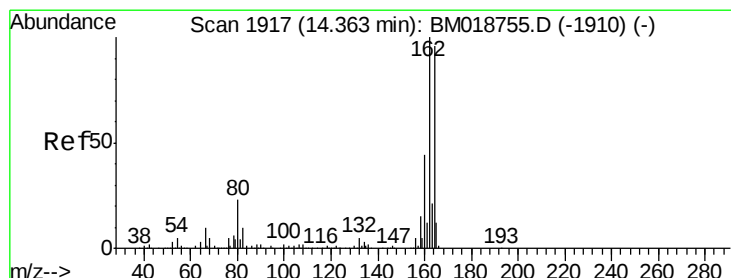
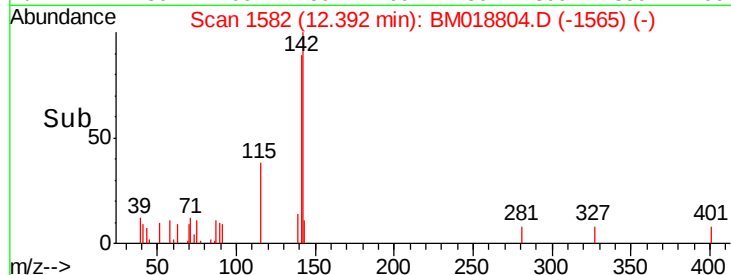
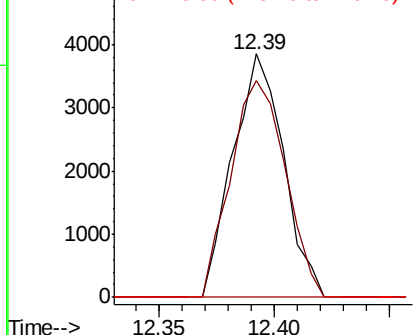
#38
1-Methylnaphthalene
Concen: 0.135 ng
RT: 12.39 min Scan# 1582
Delta R.T. -0.00 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Instrument :
BNA_M
ClientSampleId :
JC-02-021119-K

Tgt Ion:142 Resp: 5884
Ion Ratio Lower Upper
142 100
141 89.0 73.9 110.9
116 0.0 3.0 4.4#

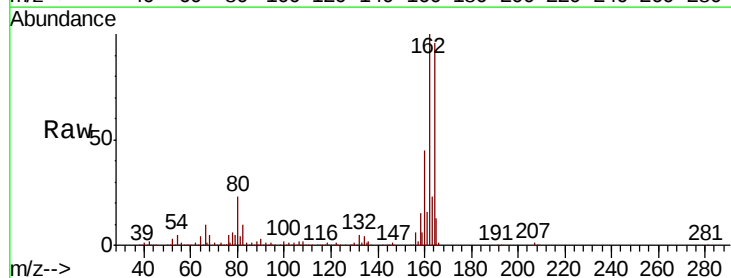


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

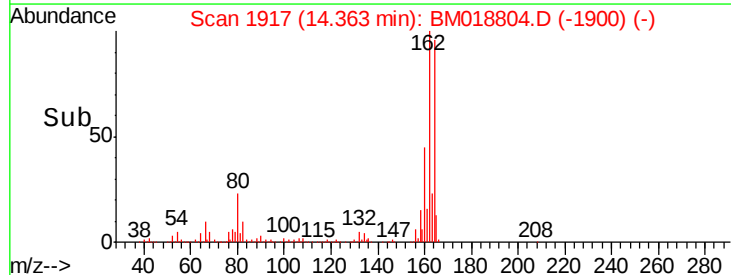
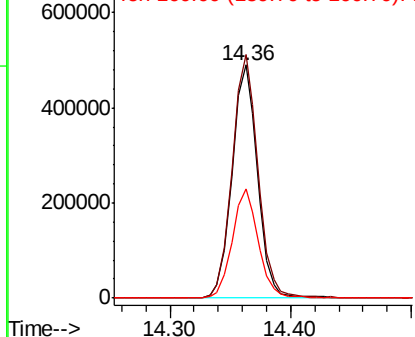


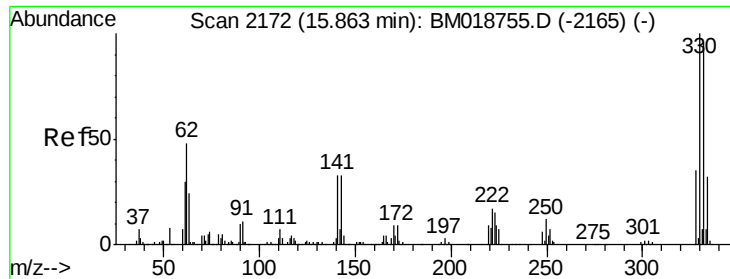
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.36 min Scan# 1917
Delta R.T. -0.00 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Tgt Ion:164 Resp: 720605
Ion Ratio Lower Upper
164 100
162 104.4 83.4 125.0
160 47.0 36.6 55.0



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

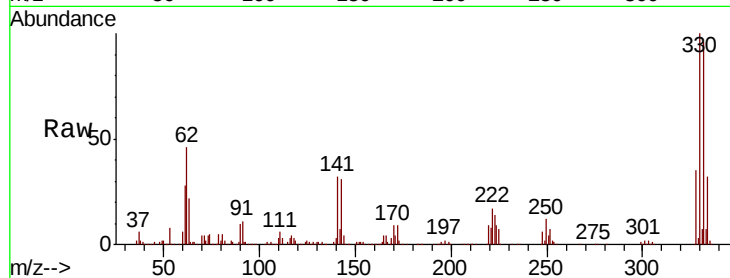




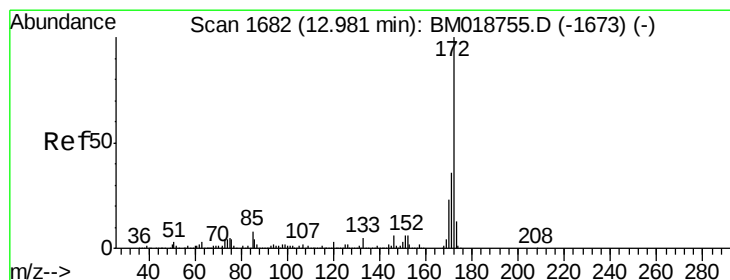
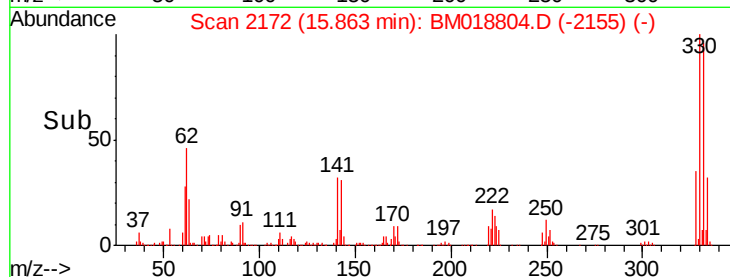
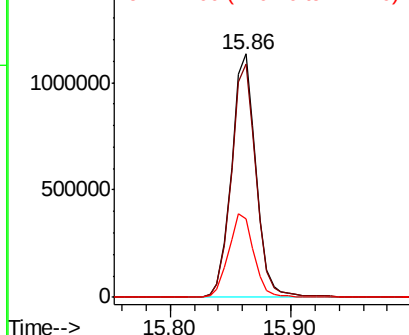
#42
 2,4,6-Tribromophenol
 Concen: 154.390 ng
 RT: 15.86 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: BM018804.D
 Acq: 13 Feb 2019 16:32

Instrument :
 BNA_M
 ClientSampleId :
 JC-02-021119-K

Tgt Ion:330 Resp: 1603702
 Ion Ratio Lower Upper
 330 100
 332 96.7 76.9 115.3
 141 35.7 28.7 43.1

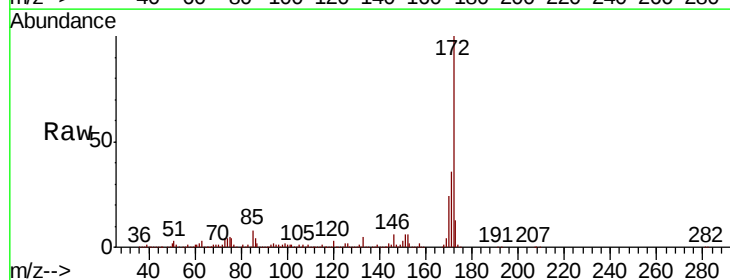


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

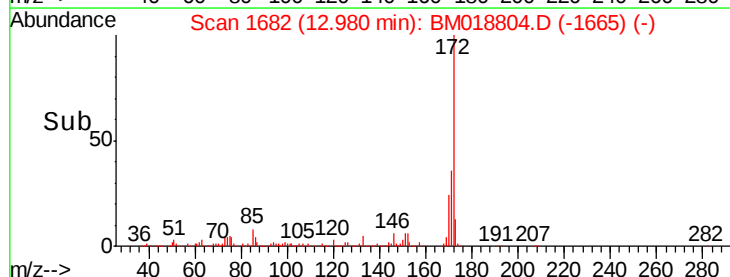
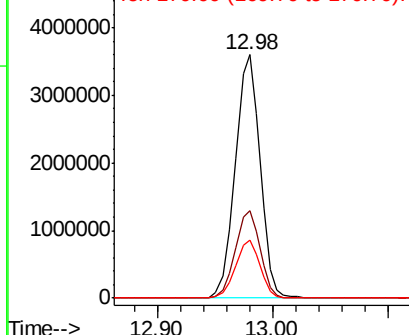


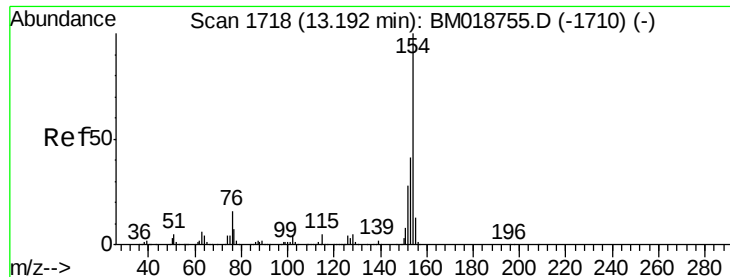
#45
 2-Fluorobiphenyl
 Concen: 98.532 ng
 RT: 12.98 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BM018804.D
 Acq: 13 Feb 2019 16:32

Tgt Ion:172 Resp: 5348683
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.6
 170 23.9 18.6 28.0



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

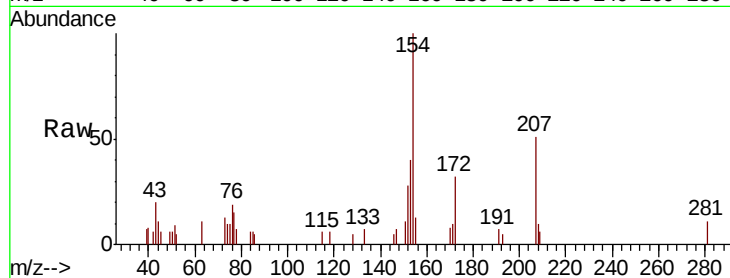




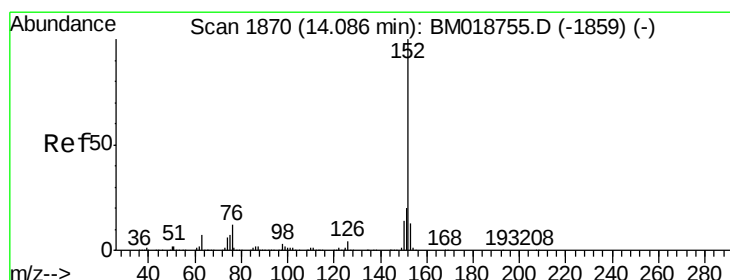
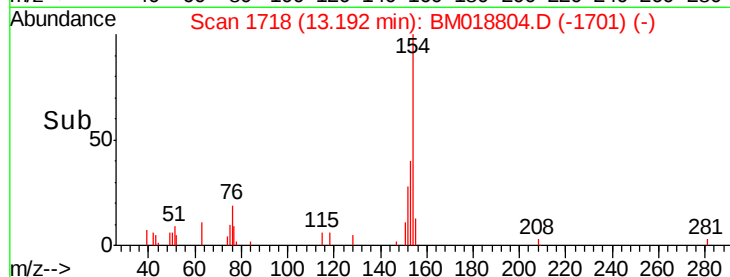
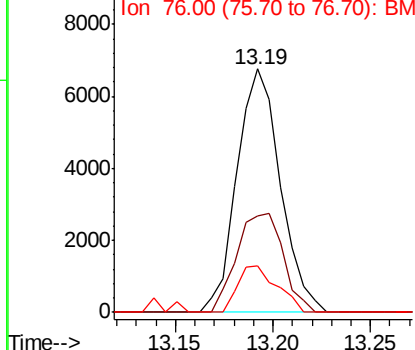
#46
 1,1'-Biphenyl
 Concen: 0.167 ng
 RT: 13.19 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BM018804.D
 Acq: 13 Feb 2019 16:32

Instrument :
 BNA_M
 ClientSampleId :
 JC-02-021119-K

Tgt Ion	Ratio	Lower	Upper
154	100		
153	39.8	21.1	61.1
76	19.1	0.0	35.7

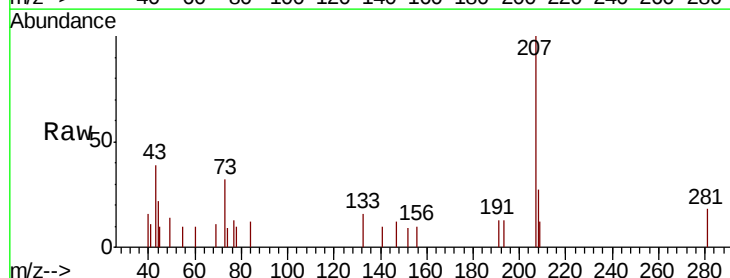


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BM

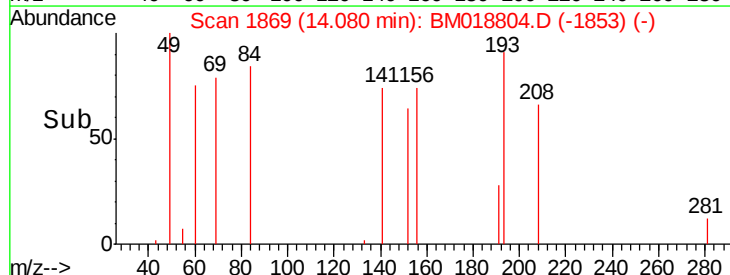
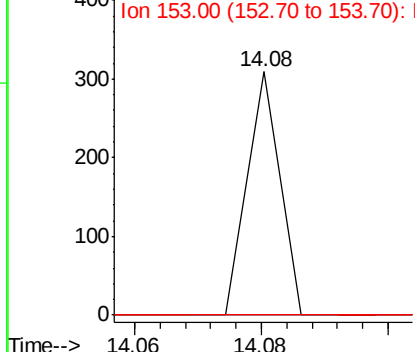


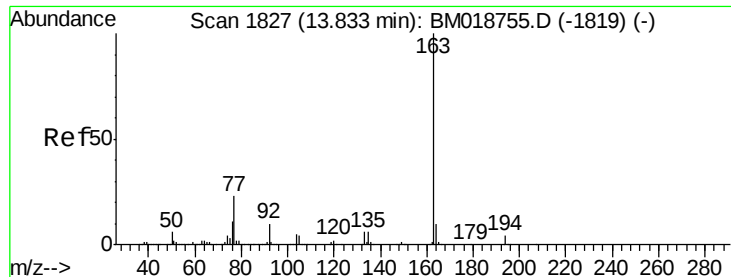
#49
 Acenaphthylene
 Concen: 0.002 ng
 RT: 14.08 min Scan# 1869
 Delta R.T. -0.01 min
 Lab File: BM018804.D
 Acq: 13 Feb 2019 16:32

Tgt Ion	Ratio	Lower	Upper
152	100		
151	0.0	15.8	23.8#
153	0.0	10.5	15.7#



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: 0.012 ng

RT: 13.84 min Scan# 1828

Delta R.T. 0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

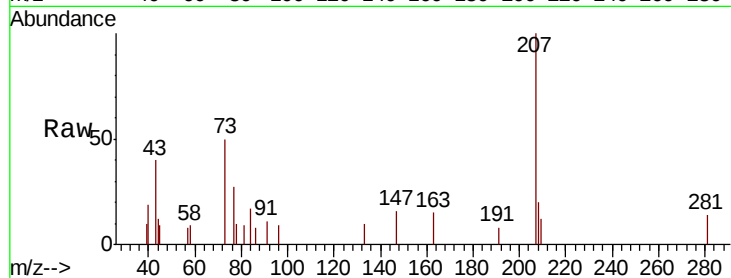
Tgt Ion:163 Resp: 695

Ion Ratio Lower Upper

163 100

194 0.0 3.2 4.8#

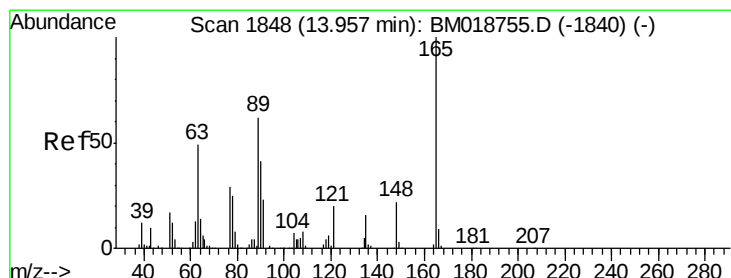
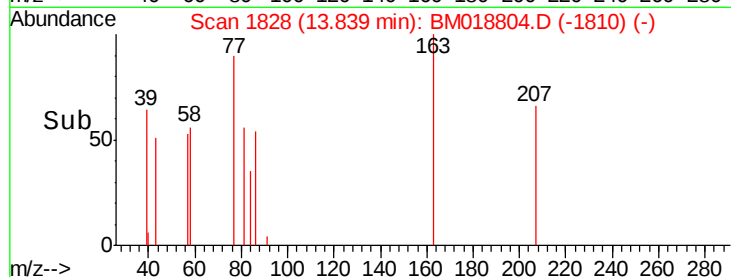
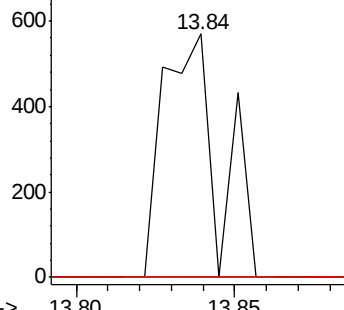
164 0.0 7.8 11.8#



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



#51

2,6-Dinitrotoluene

Concen: 0.065 ng

RT: 13.88 min Scan# 1835

Delta R.T. -0.08 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

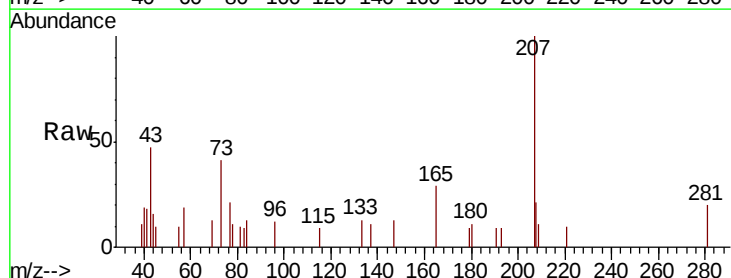
Tgt Ion:165 Resp: 842

Ion Ratio Lower Upper

165 100

63 0.0 48.9 73.3#

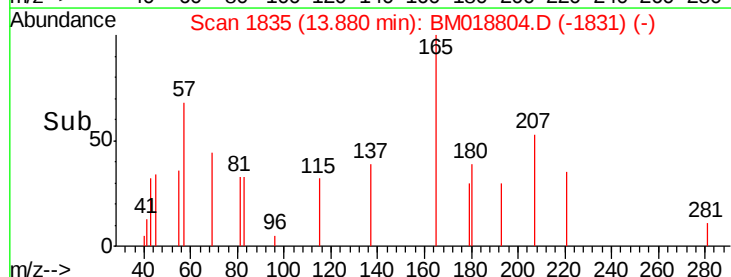
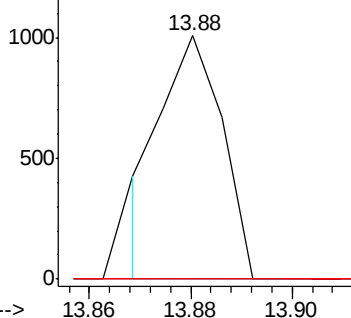
89 0.0 49.4 74.0#

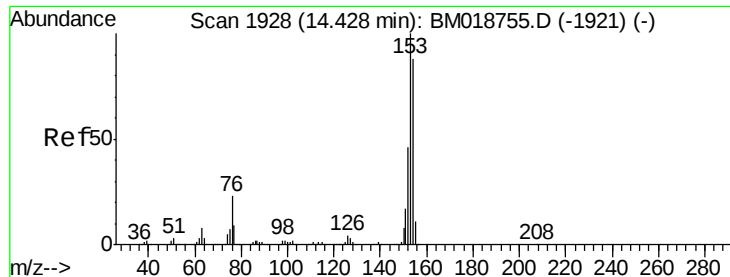


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BM0

Ion 89.00 (88.70 to 89.70): BM0





#52

Acenaphthene

Concen: 0.041 ng

RT: 14.43 min Scan# 1928

Delta R.T. -0.00 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

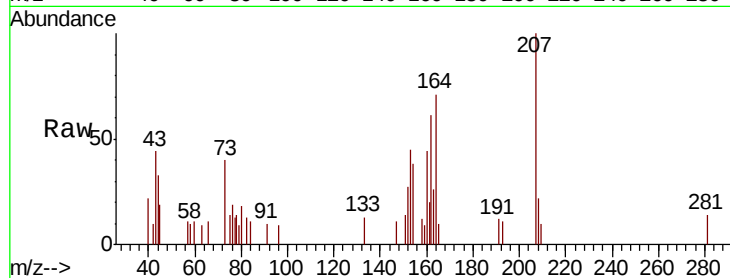
Tgt Ion:154 Resp: 1799

Ion Ratio Lower Upper

154 100

153 118.9 91.3 136.9

152 71.2 42.2 63.4#

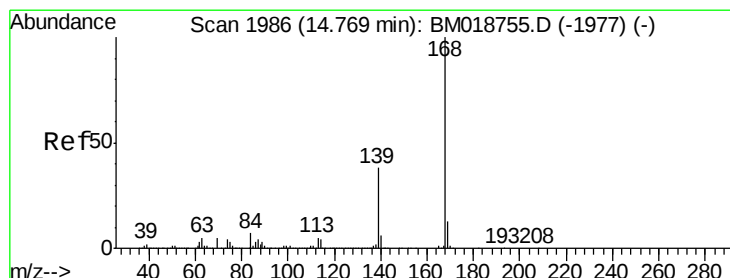
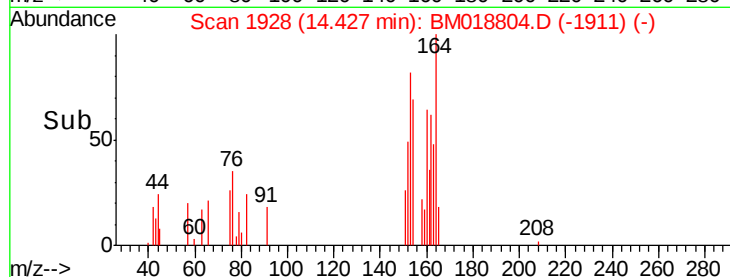
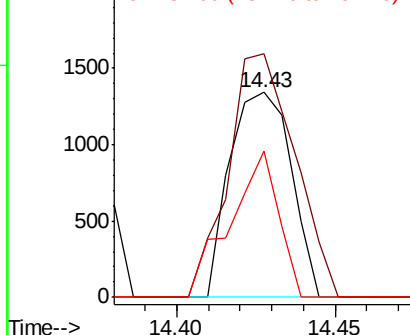


Abundance

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: 0.022 ng

RT: 14.77 min Scan# 1986

Delta R.T. -0.00 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

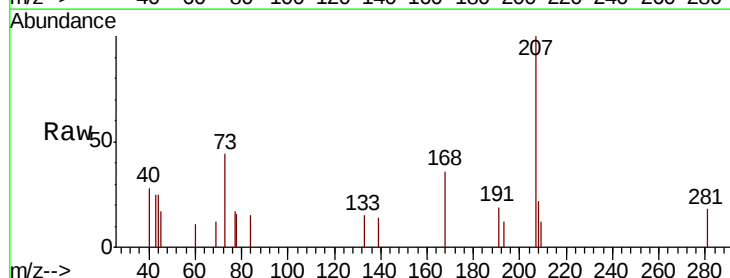
Tgt Ion:168 Resp: 1549

Ion Ratio Lower Upper

168 100

139 38.7 30.7 46.1

169 0.0 10.3 15.5#

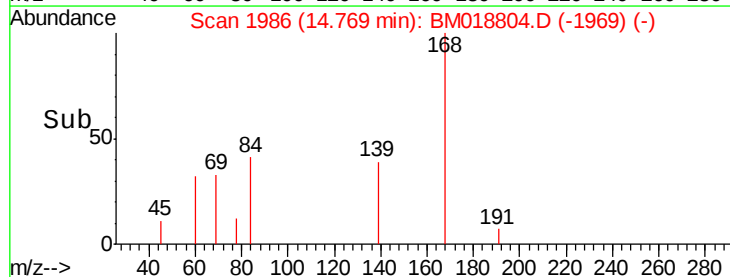
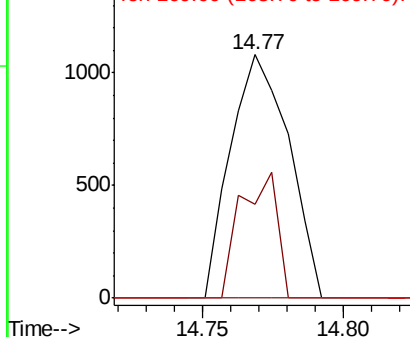


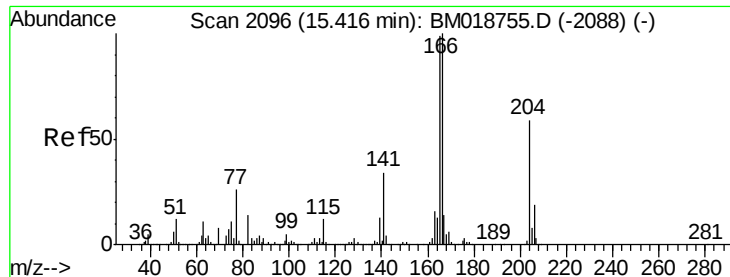
Abundance

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





#58

Fluorene

Concen: 0.033 ng

RT: 15.42 min Scan# 2096

Delta R.T. -0.00 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

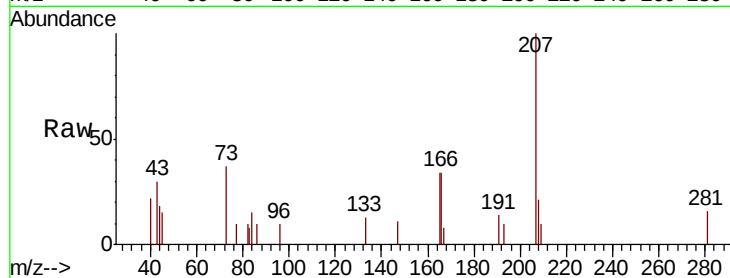
Tgt Ion:166 Resp: 1833

Ion Ratio Lower Upper

166 100

165 100.6 79.1 118.7

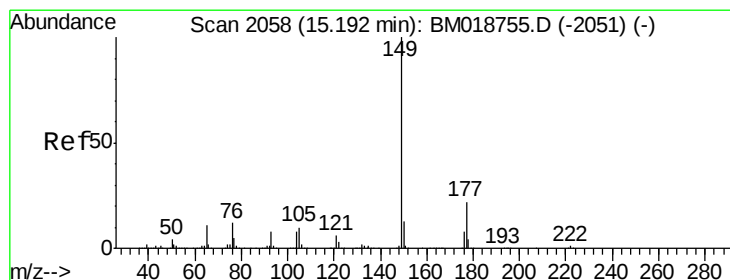
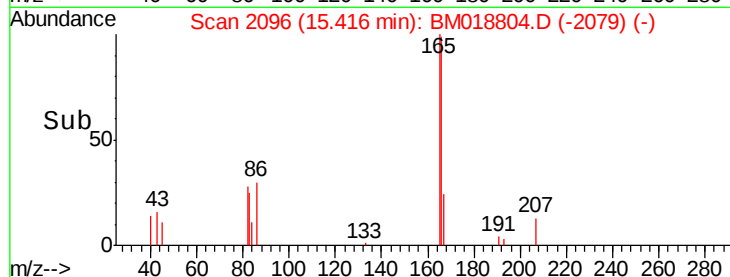
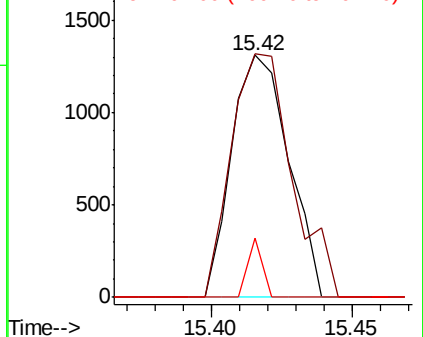
167 24.3 11.0 16.4#



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#60

Diethylphthalate

Concen: 0.150 ng

RT: 15.19 min Scan# 2058

Delta R.T. -0.00 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

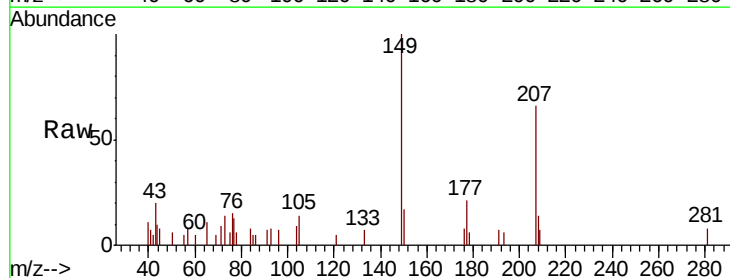
Tgt Ion:149 Resp: 9296

Ion Ratio Lower Upper

149 100

177 21.3 17.2 25.8

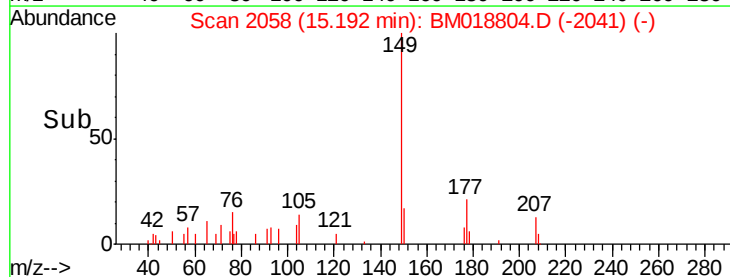
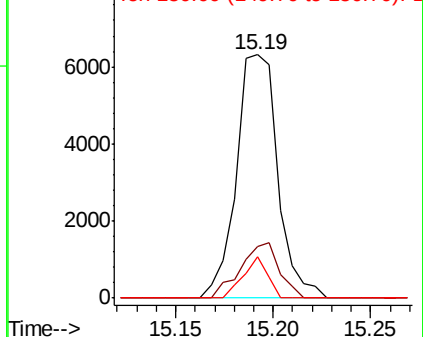
150 17.0 10.2 15.2#

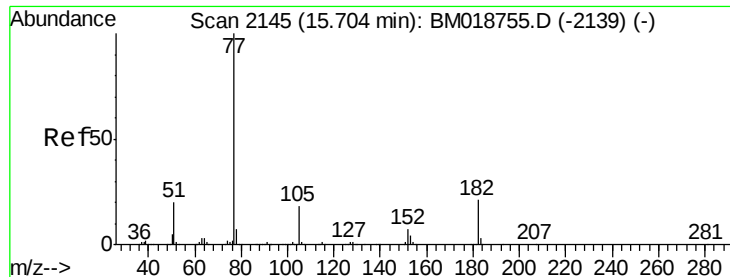


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

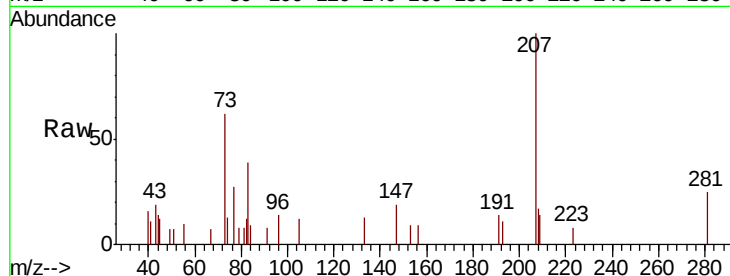




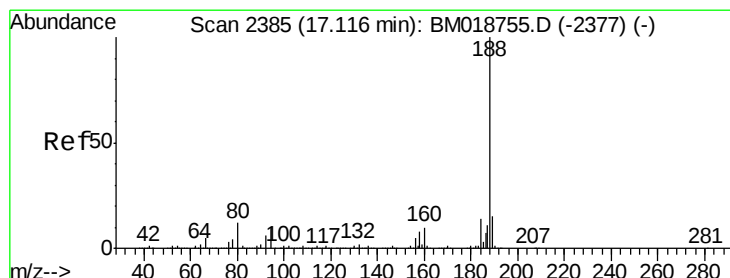
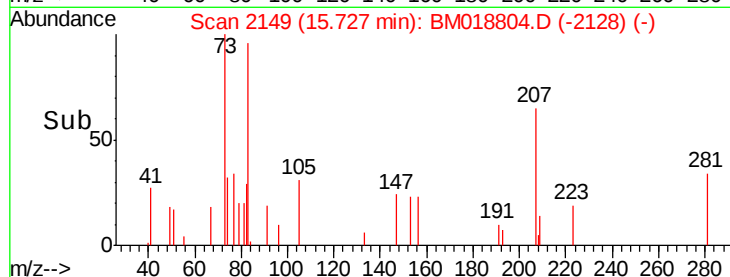
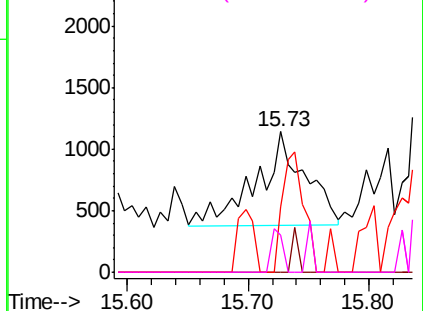
#63
Azobenzene
Concen: 0.032 ng
RT: 15.73 min Scan# 2149
Delta R.T. 0.02 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Instrument :
BNA_M
ClientSampleId :
JC-02-021119-K

Tgt Ion: 77 Resp: 2138
Ion Ratio Lower Upper
77 100
182 0.0 1.0 41.0#
105 47.0 0.0 37.7#
51 26.3 0.3 40.3

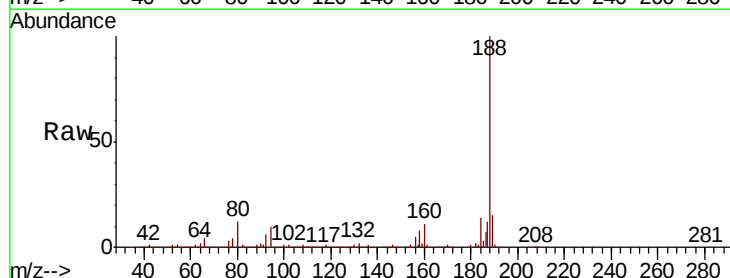


Abundance Ion 77.00 (76.70 to 77.70): BM0
Ion 182.00 (181.70 to 182.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 51.00 (50.70 to 51.70): BM0

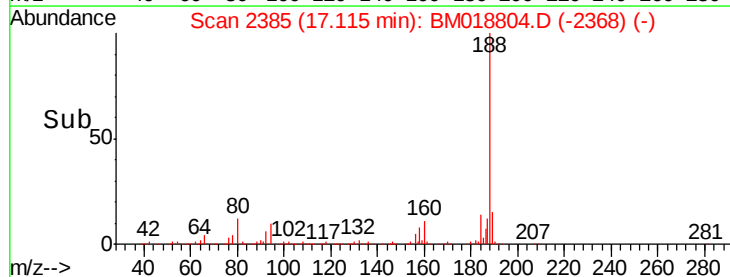
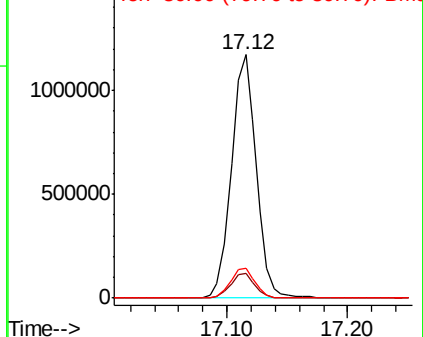


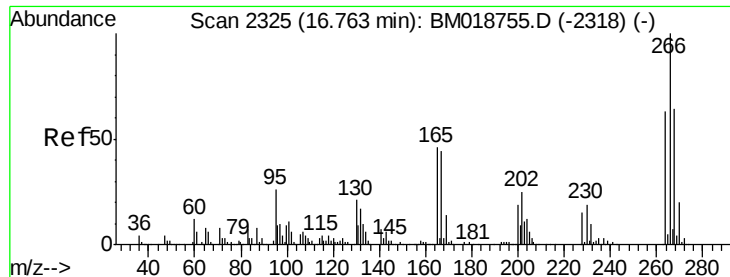
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.12 min Scan# 2385
Delta R.T. -0.00 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Tgt Ion: 188 Resp: 1671816
Ion Ratio Lower Upper
188 100
94 10.2 8.2 12.2
80 12.1 9.7 14.5



Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BM0
Ion 80.00 (79.70 to 80.70): BM0

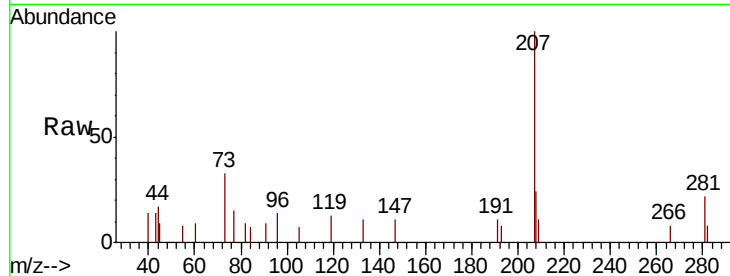




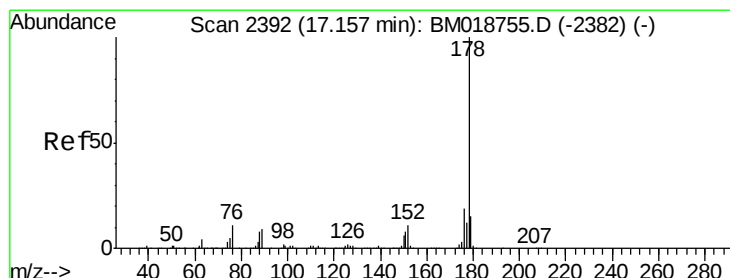
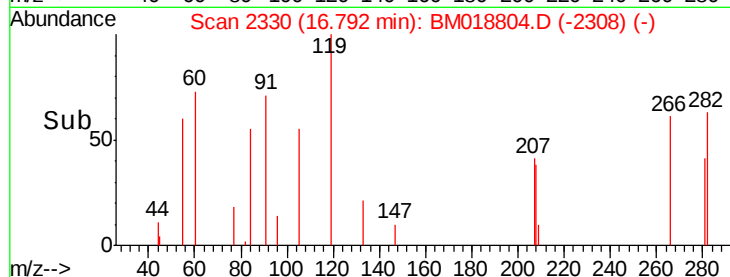
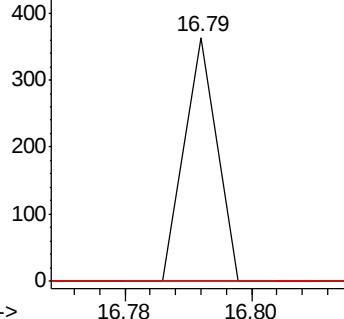
#70
 Pentachlorophenol
 Concen: 0.009 ng
 RT: 16.79 min Scan# 2330
 Delta R.T. 0.03 min
 Lab File: BM018804.D
 Acq: 13 Feb 2019 16:32

Instrument :
 BNA_M
 ClientSampleId :
 JC-02-021119-K

Tgt Ion:266 Resp: 128
 Ion Ratio Lower Upper
 266 100
 268 0.0 51.3 76.9#
 264 0.0 50.6 75.8#

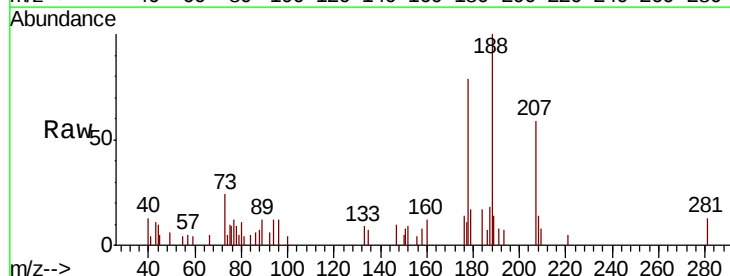


Abundance Ion 265.70 (265.40 to 266.40): E
 Ion 268.00 (267.70 to 268.70): E
 Ion 264.00 (263.70 to 264.70): E

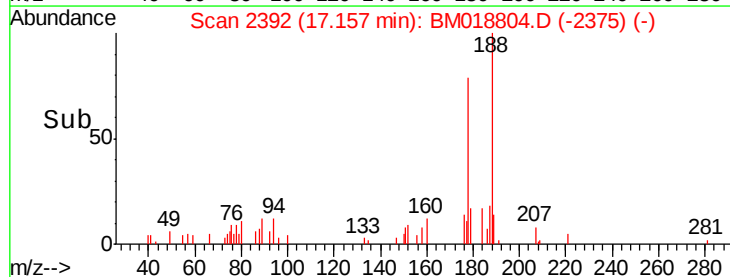
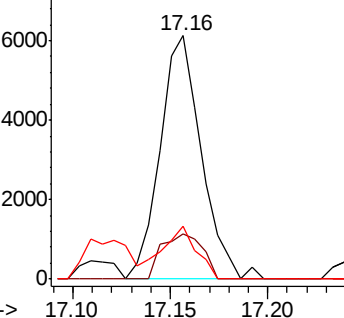


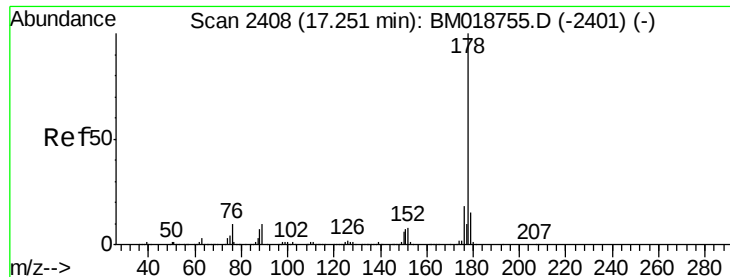
#71
 Phenanthrene
 Concen: 0.100 ng
 RT: 17.16 min Scan# 2392
 Delta R.T. -0.00 min
 Lab File: BM018804.D
 Acq: 13 Feb 2019 16:32

Tgt Ion:178 Resp: 8985
 Ion Ratio Lower Upper
 178 100
 176 18.4 15.4 23.0
 179 21.5 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: 0.014 ng

RT: 17.24 min Scan# 2407

Delta R.T. -0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

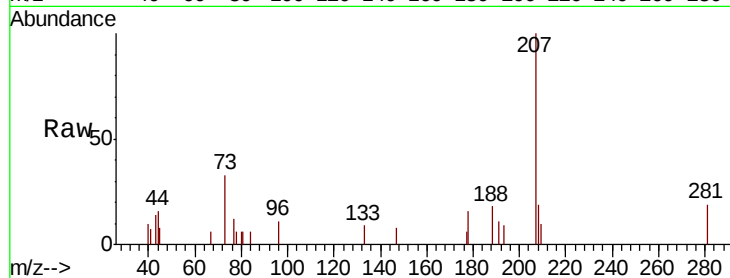
Tgt Ion:178 Resp: 1244

Ion Ratio Lower Upper

178 100

176 0.0 14.8 22.2#

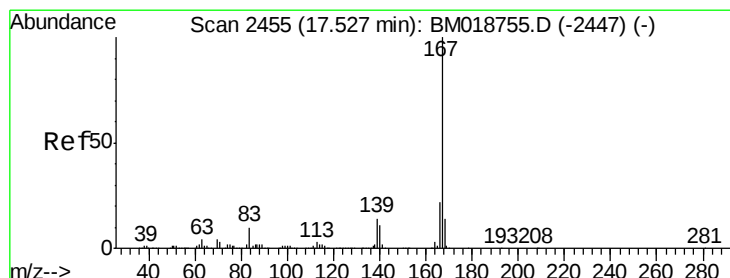
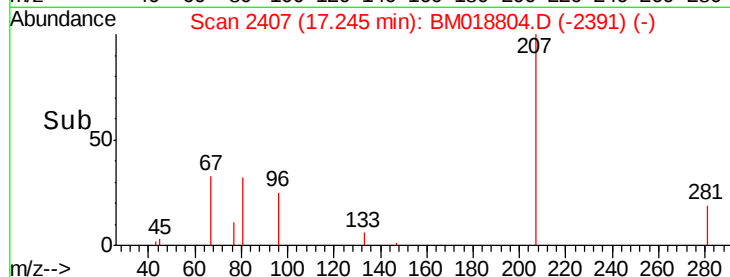
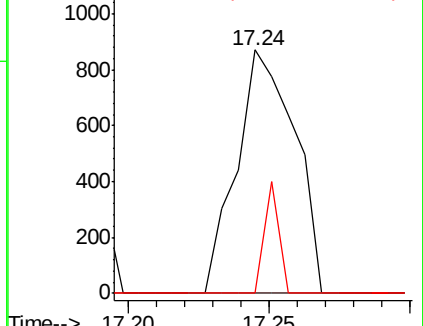
179 0.0 12.1 18.1#



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: 0.033 ng

RT: 17.54 min Scan# 2457

Delta R.T. 0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

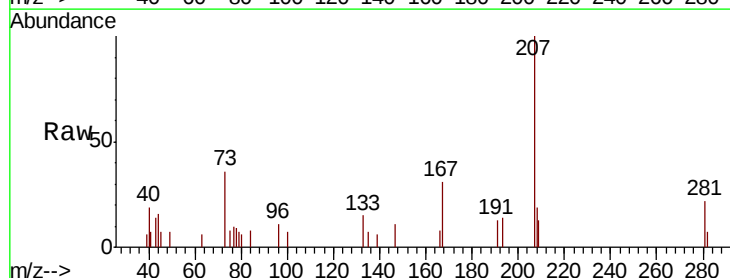
Tgt Ion:167 Resp: 3017

Ion Ratio Lower Upper

167 100

166 27.2 17.7 26.5#

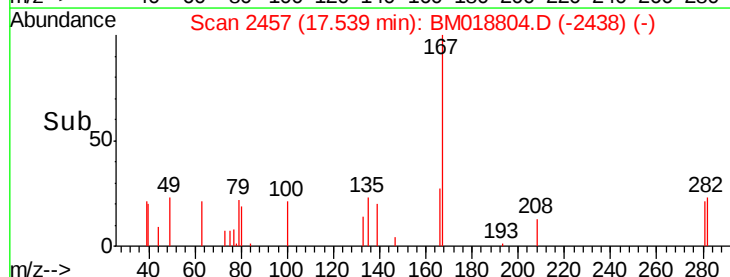
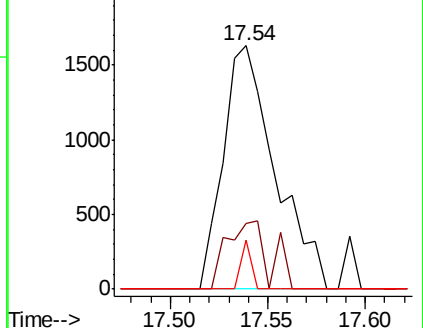
139 20.1 10.9 16.3#

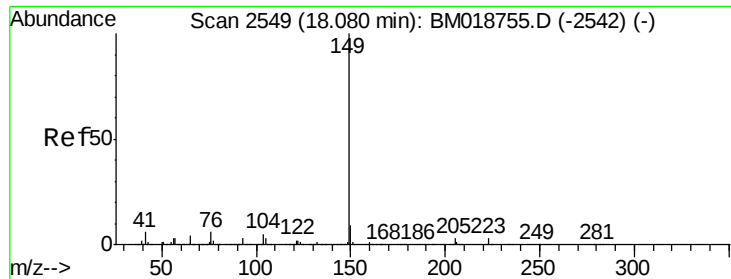


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.183 ng

RT: 18.08 min Scan# 2549

Delta R.T. -0.00 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

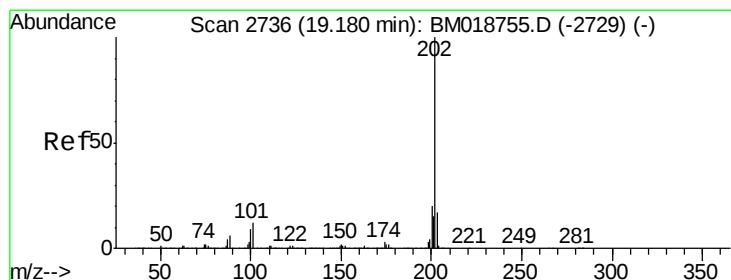
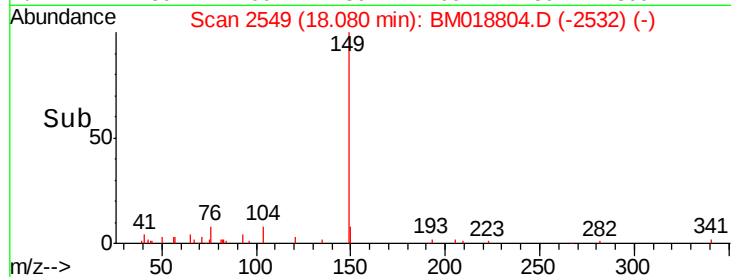
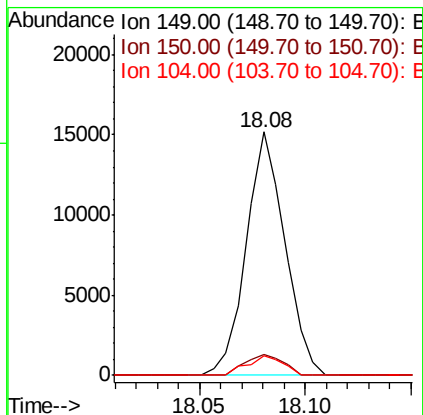
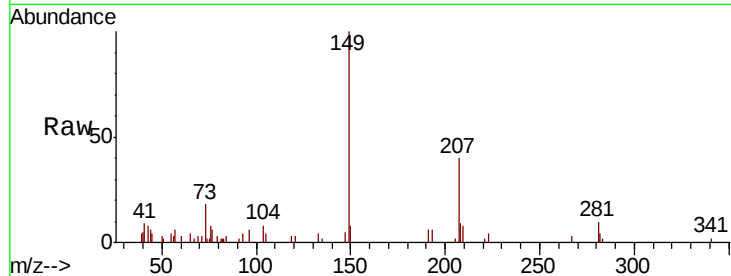
Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

Tgt Ion:	149	Resp:	19277
Ion	Ratio	Lower	Upper
149	100		
150	8.4	7.4	11.0
104	8.1	4.3	6.5#



#75

Fluoranthene

Concen: 0.042 ng

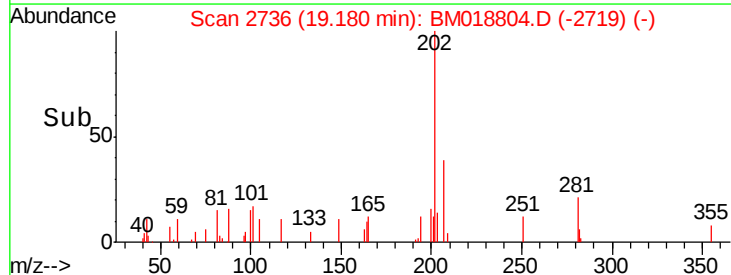
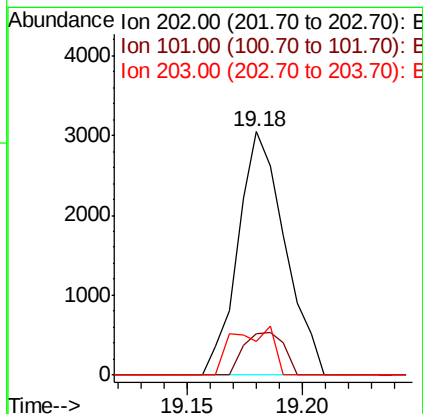
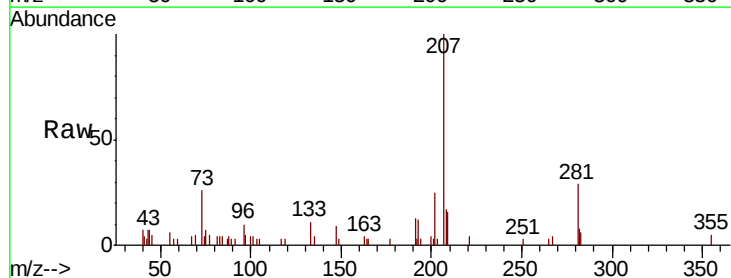
RT: 19.18 min Scan# 2736

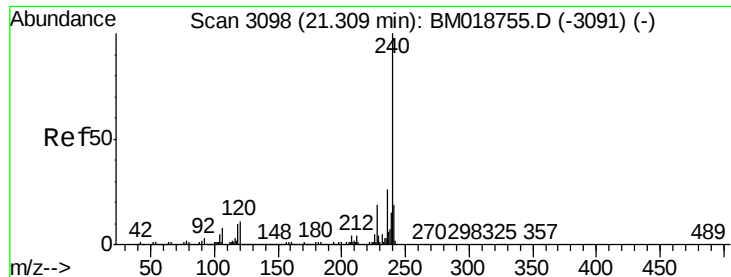
Delta R.T. -0.00 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Tgt Ion:	202	Resp:	4315
Ion	Ratio	Lower	Upper
202	100		
101	17.2	0.0	31.5
203	13.7	0.0	37.3

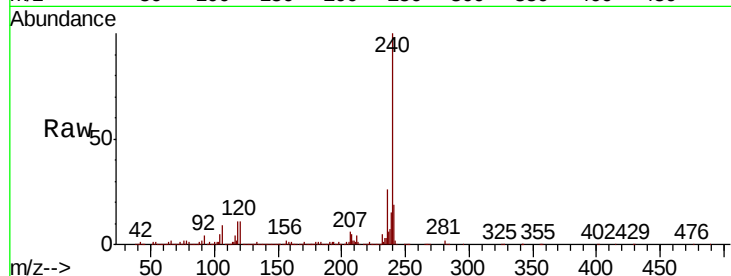




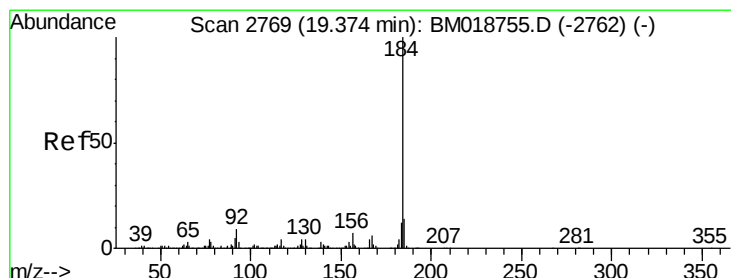
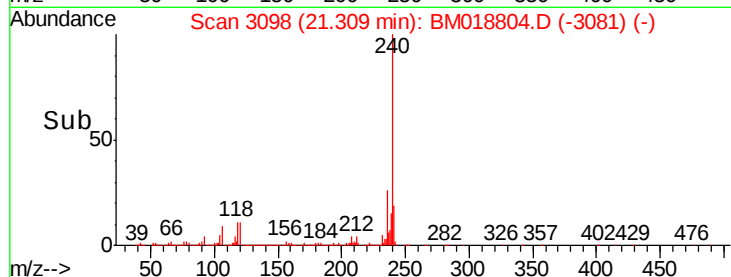
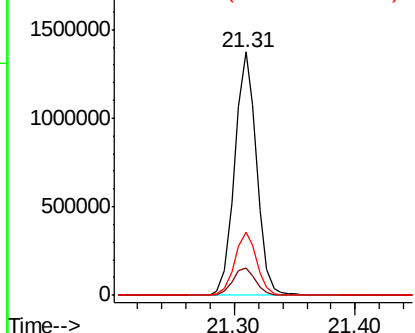
#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.31 min Scan# 3098
Delta R.T. -0.00 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Instrument :
BNA_M
ClientSampleId :
JC-02-021119-K

Tgt Ion:240 Resp: 1738038
Ion Ratio Lower Upper
240 100
120 11.4 8.9 13.3
236 26.0 20.9 31.3

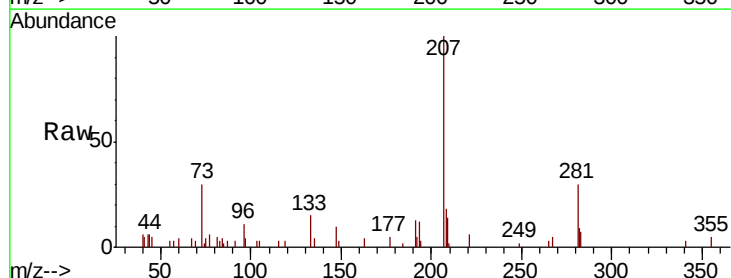


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

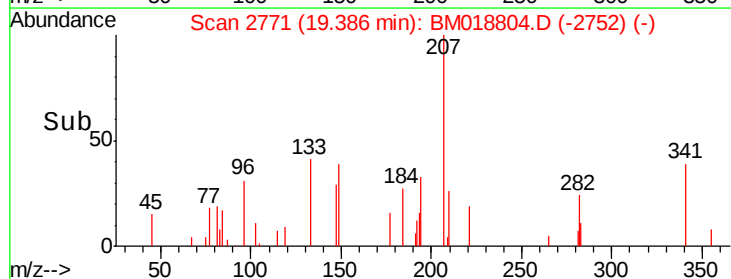
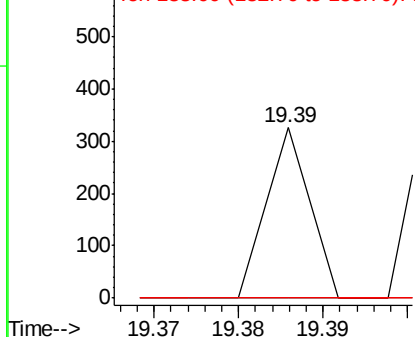


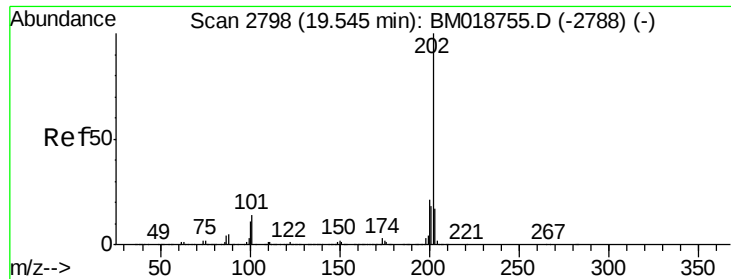
#77
Benzidine
Concen: 0.003 ng
RT: 19.39 min Scan# 2771
Delta R.T. 0.01 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Tgt Ion:184 Resp: 115
Ion Ratio Lower Upper
184 100
185 0.0 11.2 16.8#
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: 0.035 ng

RT: 19.55 min Scan# 2799

Delta R.T. 0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

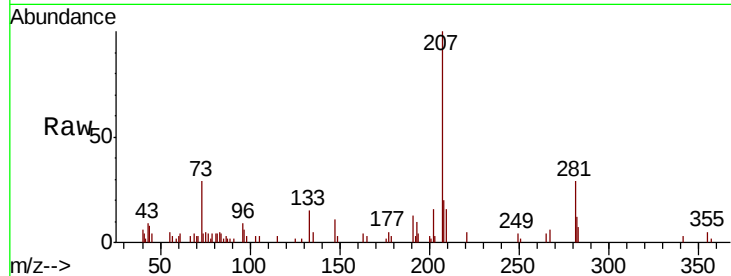
Tgt Ion:202 Resp: 3537

Ion Ratio Lower Upper

202 100

200 15.2 16.9 25.3#

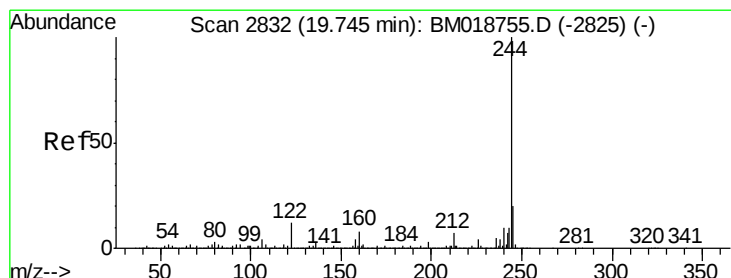
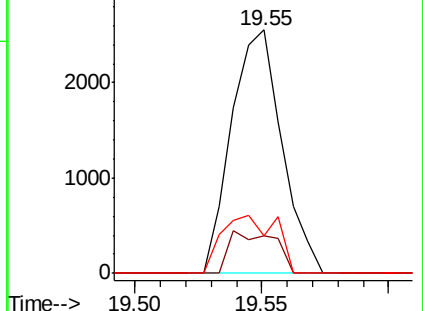
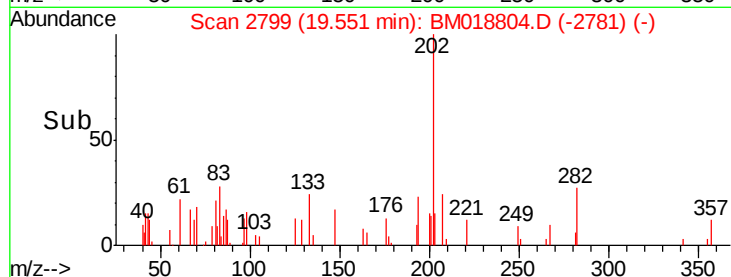
203 15.2 13.8 20.8



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: 108.765 ng

RT: 19.75 min Scan# 2833

Delta R.T. 0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

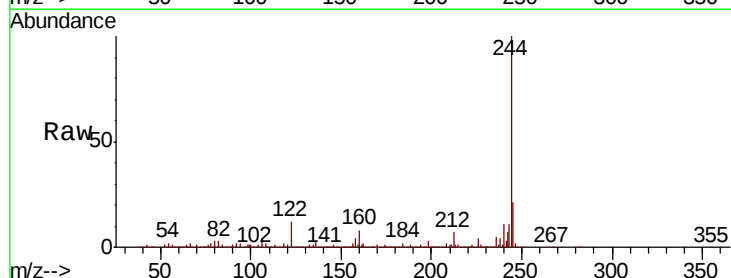
Tgt Ion:244 Resp: 9163736

Ion Ratio Lower Upper

244 100

212 7.4 5.6 8.4

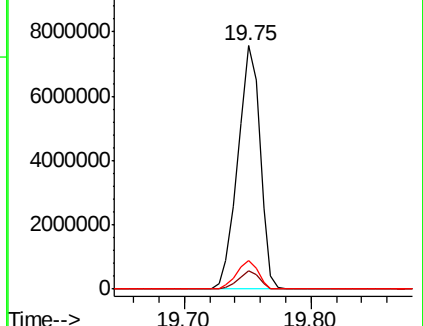
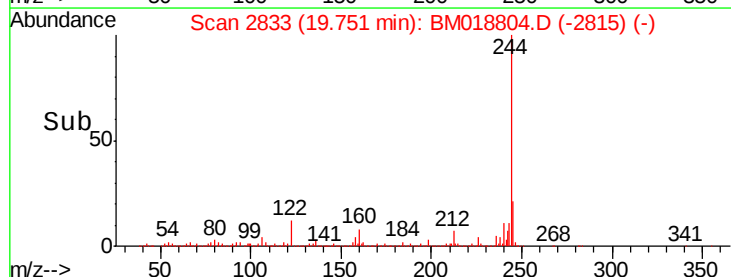
122 11.9 9.3 13.9

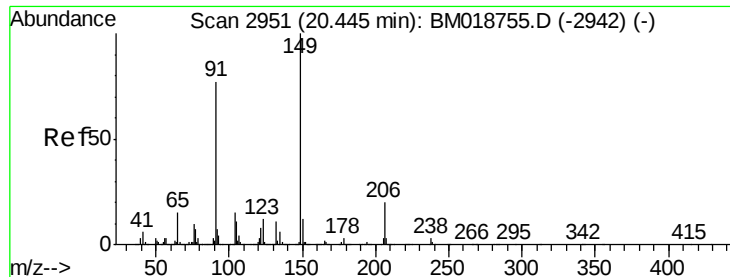


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

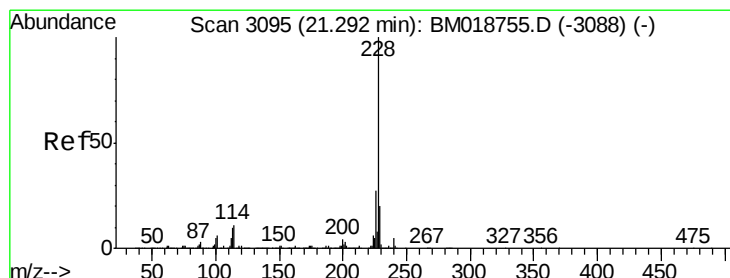
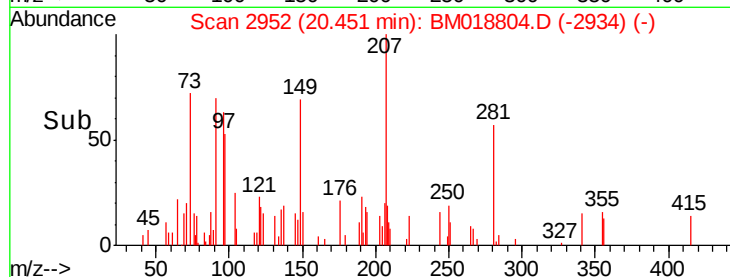
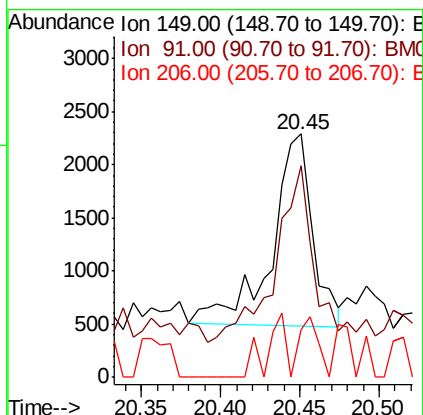
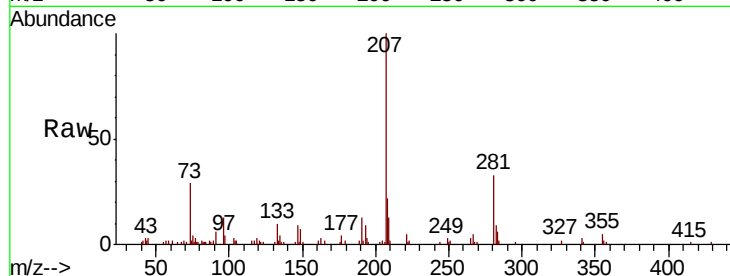




#80
Butylbenzylphthalate
Concen: 0.071 ng
RT: 20.45 min Scan# 2952
Delta R.T. 0.01 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

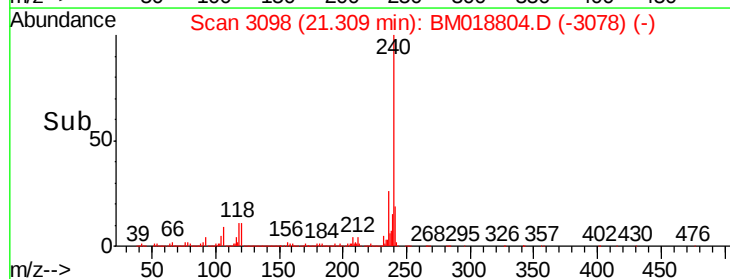
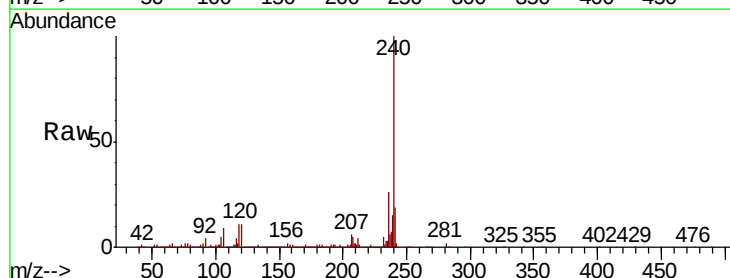
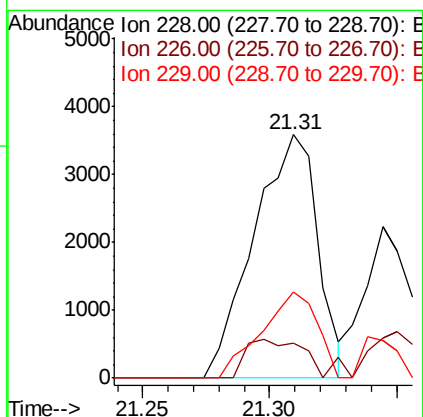
Instrument :
BNA_M
ClientSampleId :
JC-02-021119-K

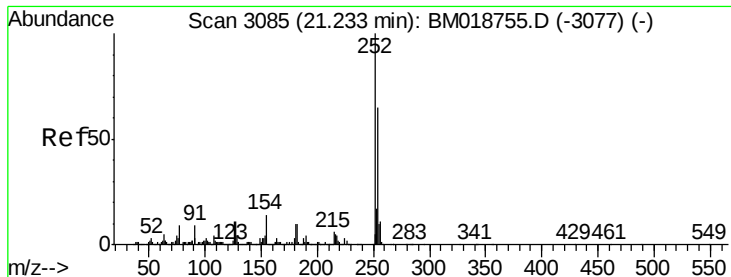
Tgt Ion:149 Resp: 3258
Ion Ratio Lower Upper
149 100
91 86.8 61.4 92.0
206 19.6 15.8 23.8



#81
Benzo(a)anthracene
Concen: 0.062 ng
RT: 21.31 min Scan# 3098
Delta R.T. 0.02 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Tgt Ion:228 Resp: 6290
Ion Ratio Lower Upper
228 100
226 14.1 21.9 32.9#
229 35.4 15.9 23.9#





#82

3,3'-Dichlorobenzidine

Concen: 0.054 ng

RT: 21.25 min Scan# 3088

Delta R.T. 0.02 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

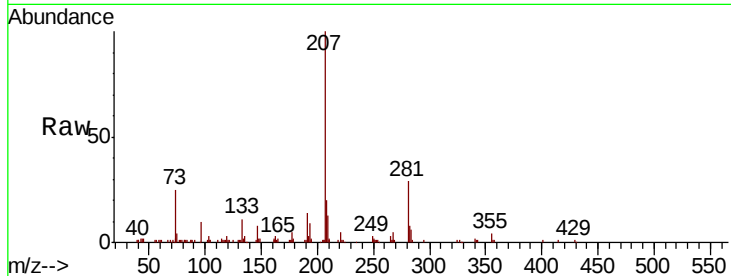
Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

Tgt Ion:	252	Resp:	2148
Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.8	77.8
126	0.0	9.1	13.7#

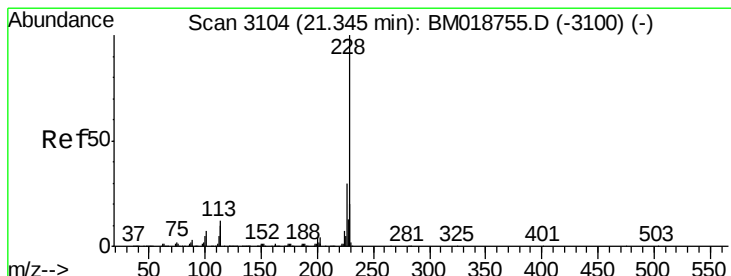
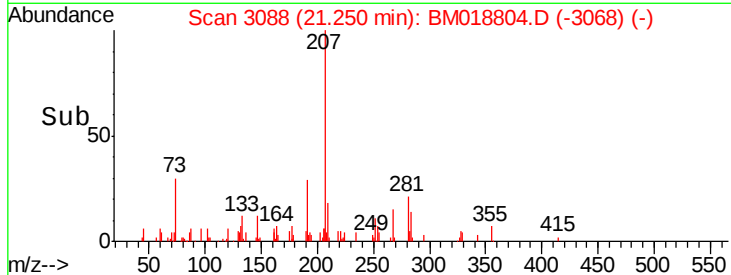
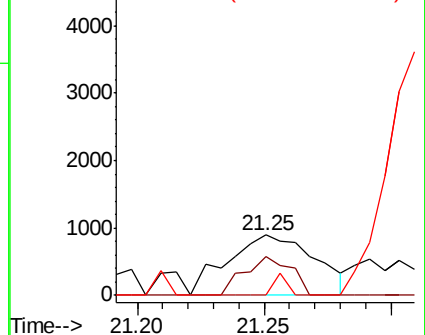


Abundance

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: 0.029 ng

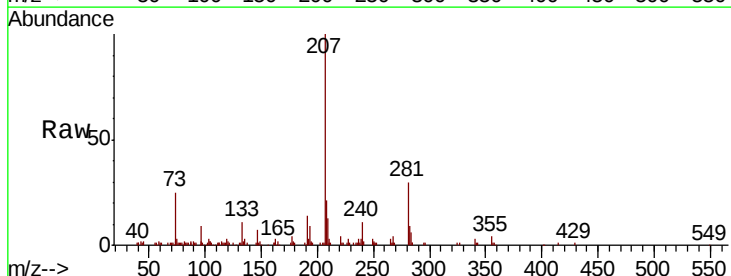
RT: 21.34 min Scan# 3104

Delta R.T. -0.00 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Tgt Ion:	228	Resp:	2806
Ion	Ratio	Lower	Upper
228	100		
226	26.1	24.1	36.1
229	24.3	16.0	24.0#

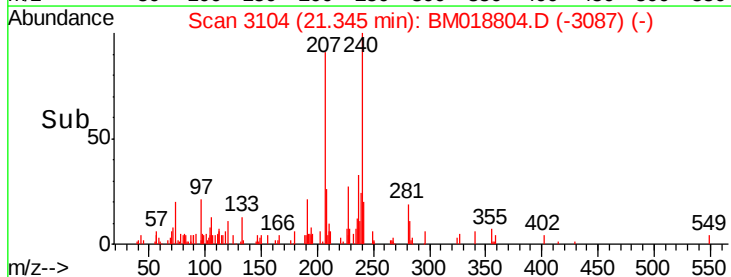
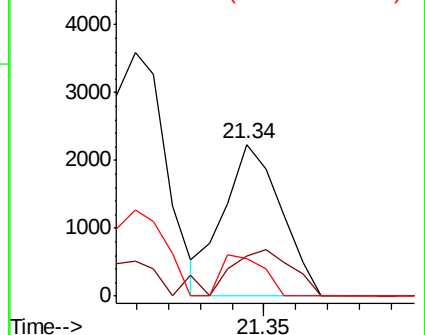


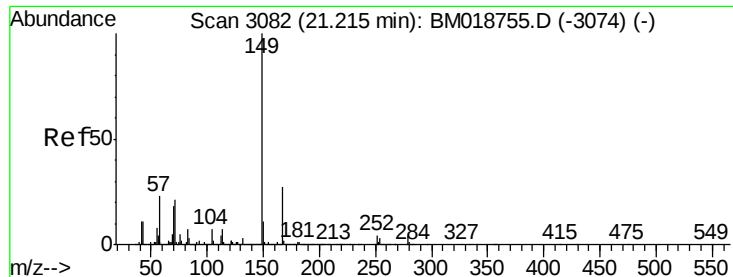
Abundance

Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 0.057 ng

RT: 21.22 min Scan# 3082

Delta R.T. -0.00 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

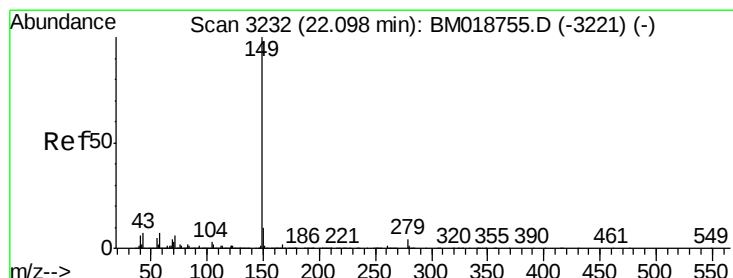
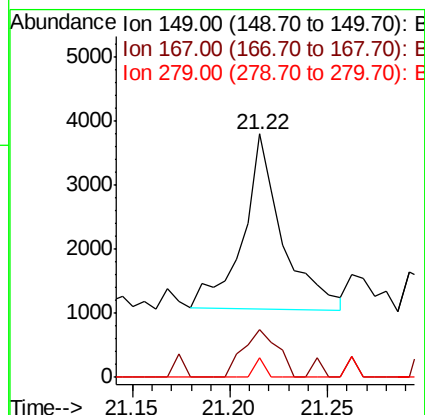
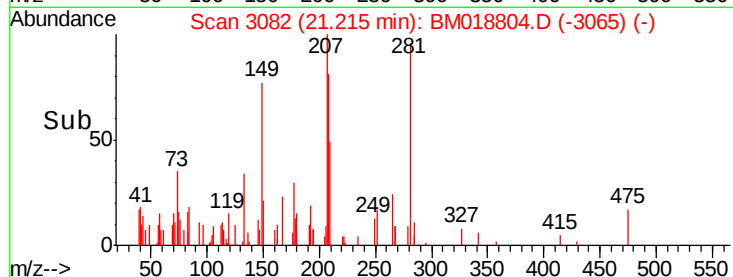
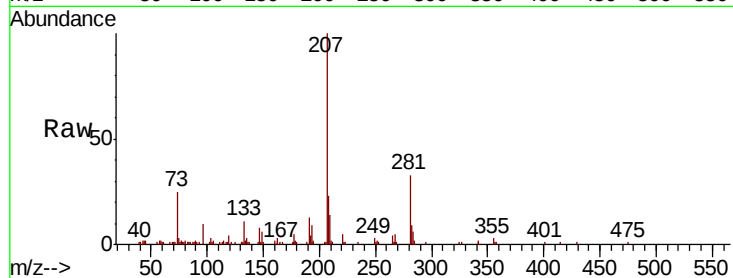
Tgt Ion:149 Resp: 3867

Ion Ratio Lower Upper

149 100

167 19.6 21.8 32.6#

279 8.0 3.6 5.4#



#85

Di-n-octyl phthalate

Concen: 0.011 ng

RT: 22.11 min Scan# 3234

Delta R.T. 0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

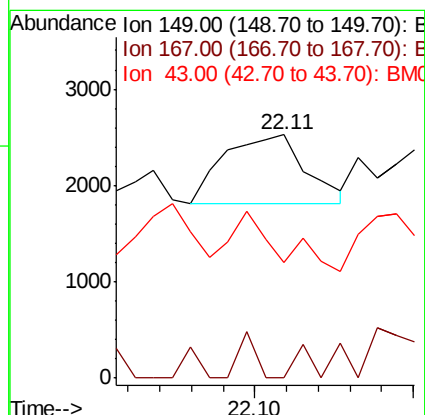
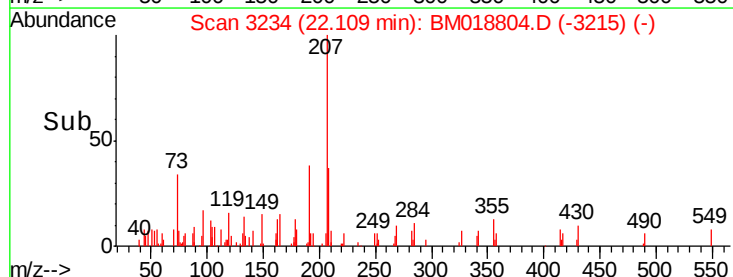
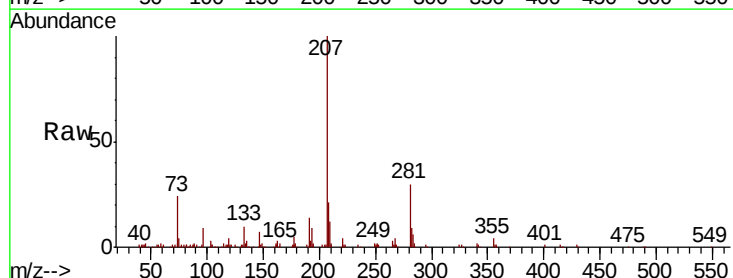
Tgt Ion:149 Resp: 1252

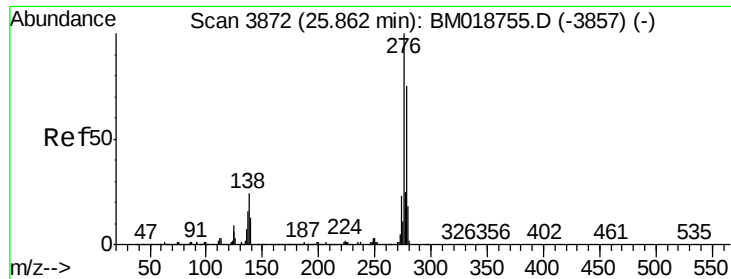
Ion Ratio Lower Upper

149 100

167 9.7 1.3 1.9#

43 0.0 6.0 9.0#





#86

Indeno(1,2,3-cd)pyrene

Concen: 0.012 ng

RT: 25.92 min Scan# 3882

Delta R.T. 0.06 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

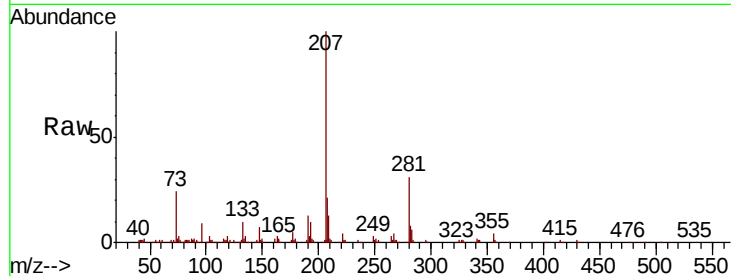
Tgt Ion:276 Resp: 1387

Ion Ratio Lower Upper

276 100

138 0.0 20.2 30.4#

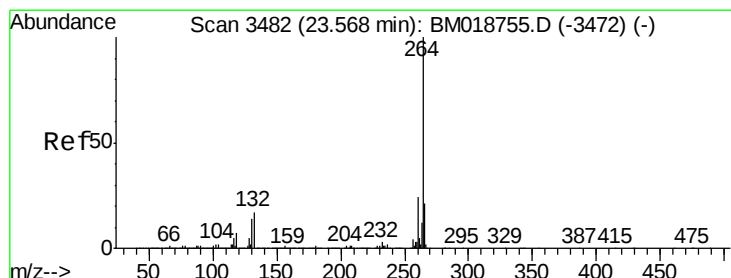
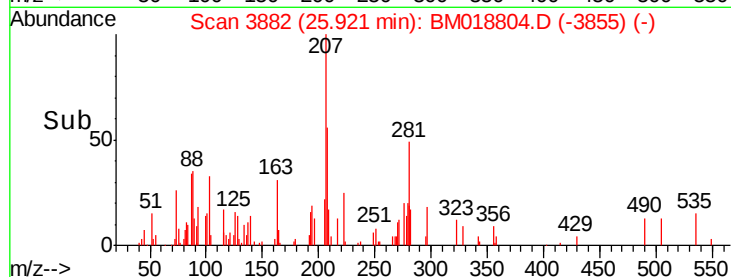
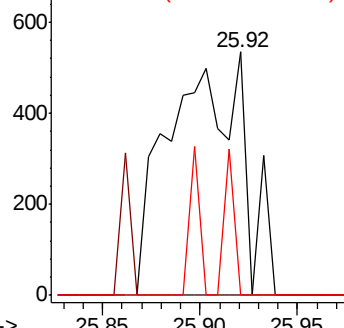
277 8.1 20.3 30.5#



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

Perylene-d12

Concen: 20.000 ng

RT: 23.57 min Scan# 3483

Delta R.T. 0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

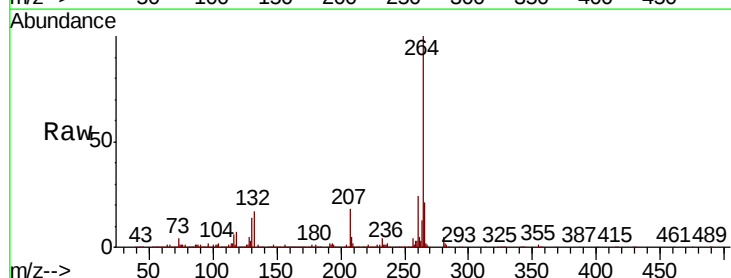
Tgt Ion:264 Resp: 1640957

Ion Ratio Lower Upper

264 100

260 24.4 18.9 28.3

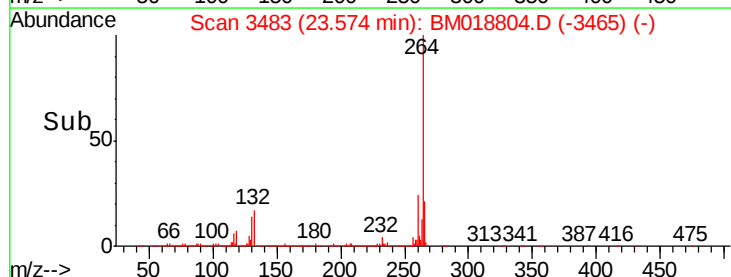
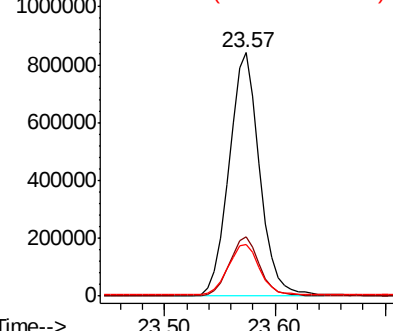
265 21.2 17.3 25.9

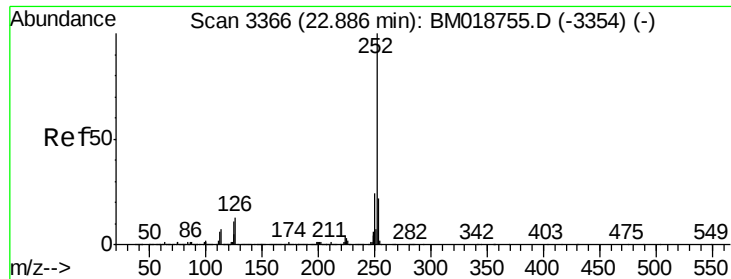


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

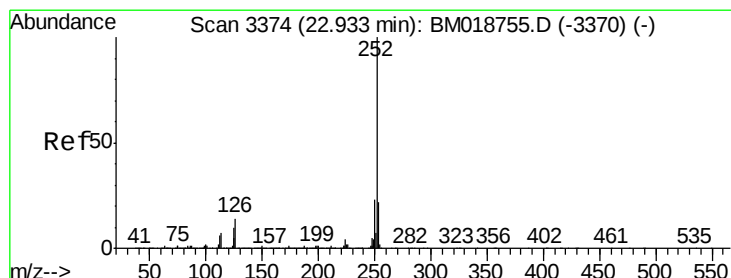
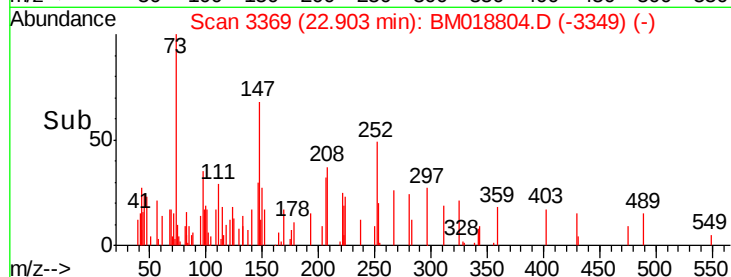
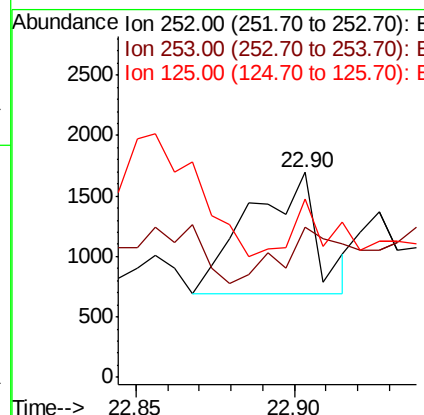
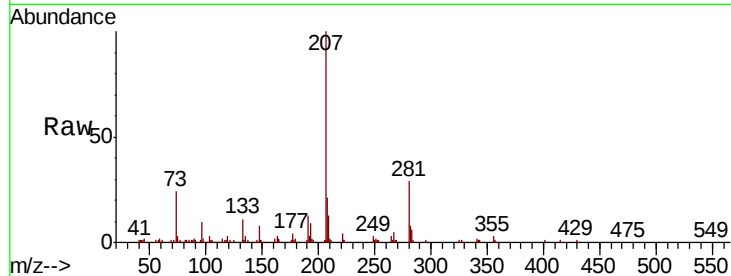




#88
Benzo(b)fluoranthene
Concen: 0.016 ng
RT: 22.90 min Scan# 3369
Delta R.T. 0.02 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

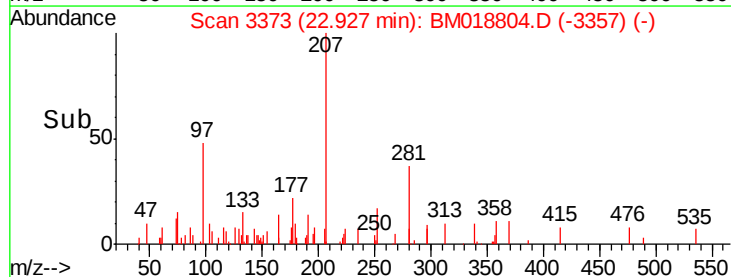
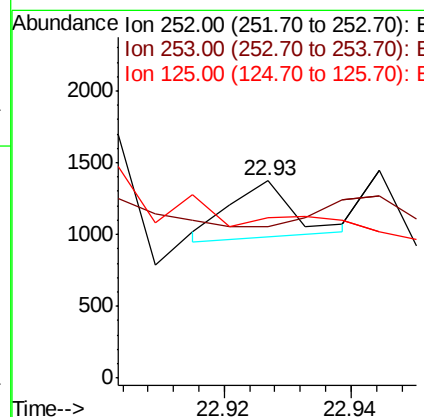
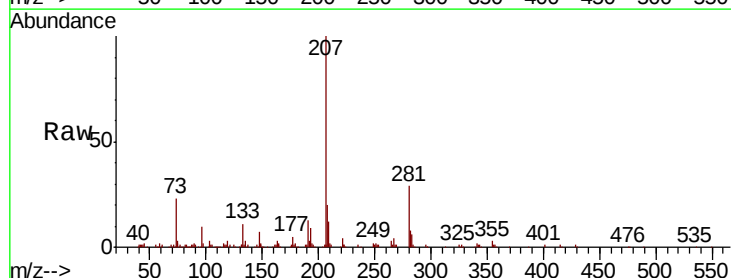
Instrument :
BNA_M
ClientSampleId :
JC-02-021119-K

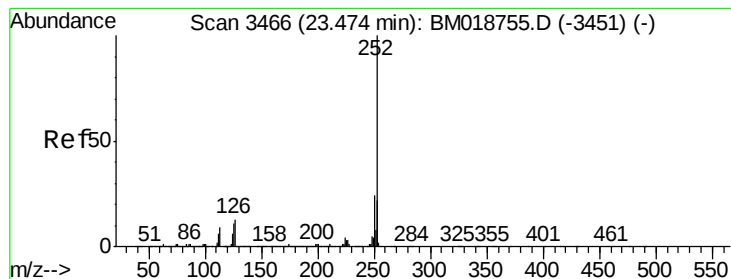
Tgt Ion:252 Resp: 1509
Ion Ratio Lower Upper
252 100
253 73.5 17.8 26.6#
125 86.9 8.6 12.8#



#89
Benzo(k)fluoranthene
Concen: 0.003 ng
RT: 22.93 min Scan# 3373
Delta R.T. -0.01 min
Lab File: BM018804.D
Acq: 13 Feb 2019 16:32

Tgt Ion:252 Resp: 272
Ion Ratio Lower Upper
252 100
253 76.6 17.7 26.5#
125 81.5 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 0.013 ng

RT: 23.46 min Scan# 3463

Delta R.T. -0.02 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

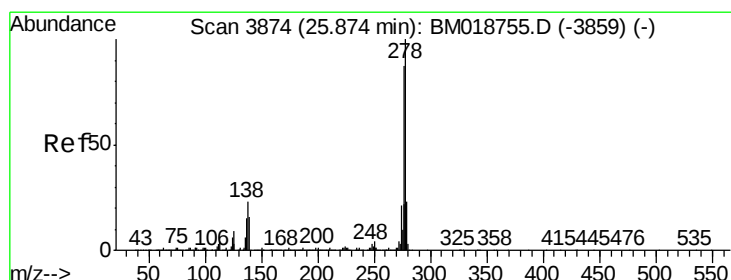
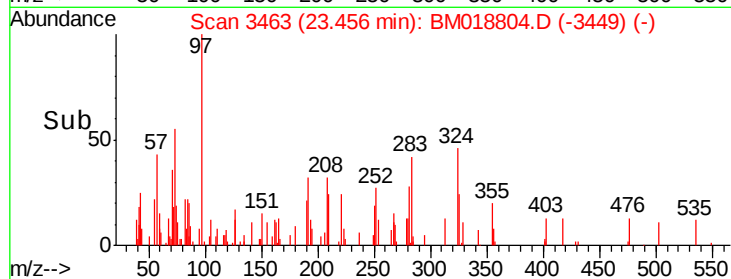
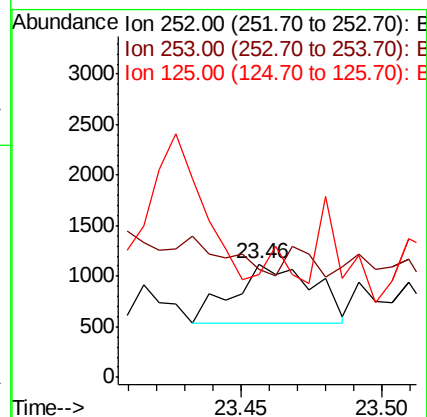
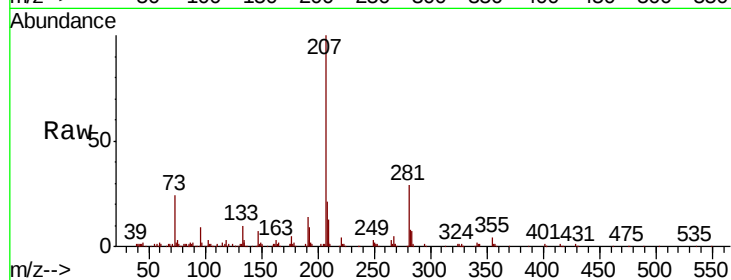
Tgt Ion:252 Resp: 1136

Ion Ratio Lower Upper

252 100

253 95.4 17.4 26.0#

125 90.8 8.6 13.0#



#91

Dibenzo(a,h)anthracene

Concen: 0.006 ng

RT: 25.90 min Scan# 3879

Delta R.T. 0.03 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

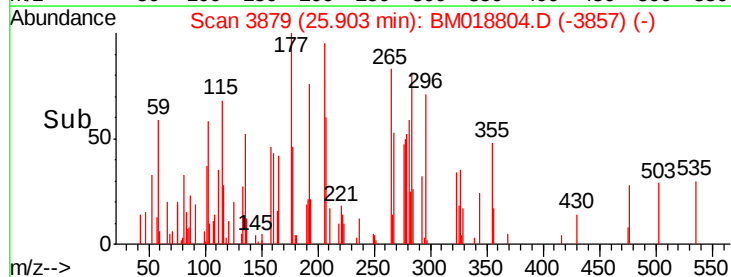
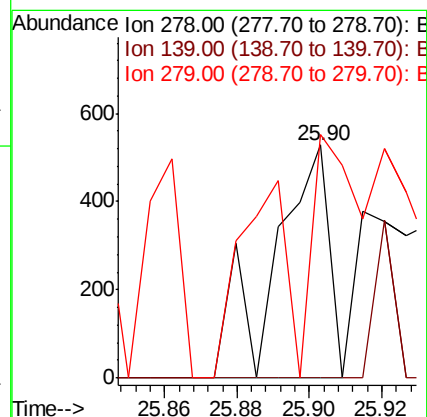
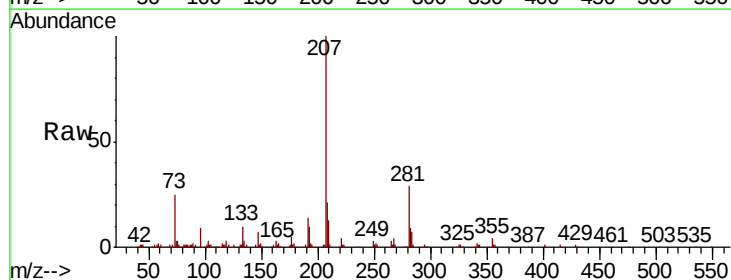
Tgt Ion:278 Resp: 556

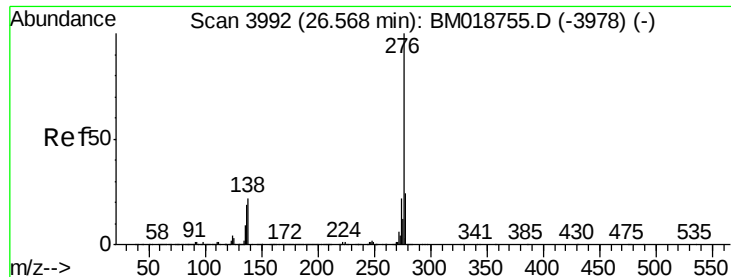
Ion Ratio Lower Upper

278 100

139 0.0 12.6 18.8#

279 104.3 18.6 28.0#





#92

Benzo(g,h,i)perylene

Concen: 0.010 ng

RT: 26.58 min Scan# 3994

Delta R.T. 0.01 min

Lab File: BM018804.D

Acq: 13 Feb 2019 16:32

Instrument :

BNA_M

ClientSampleId :

JC-02-021119-K

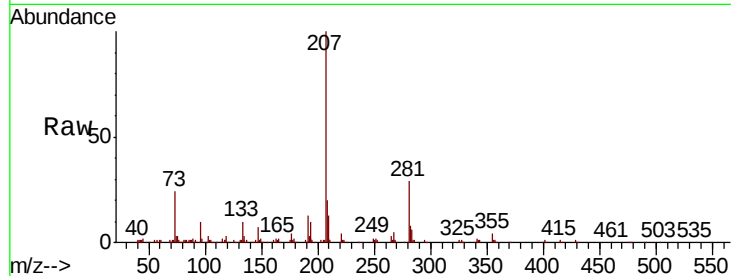
Tgt Ion: 276 Resp: 801

Ion Ratio Lower Upper

276 100

277 0.0 19.2 28.8#

138 0.0 17.3 25.9#



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

