

Data Path : Z:\SVOASRV\HPCHEM1\BNA M\DATA\BM031419\
 Data File : BM019175.D
 Acq On : 14 Mar 2019 18:42
 Operator : JU/SJ
 Sample : K1894-04
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 RFK-RMAB-MW08-GW

Quant Time: Mar 15 05:21:57 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA M\METHODS\8270-BM031119.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 11 17:30:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.66	152	251917	20.00	ng	0.00
21) Naphthalene-d8	10.45	136	1108507	20.00	ng	0.00
39) Acenaphthene-d10	14.31	164	746169	20.00	ng	-0.01
64) Phenanthrene-d10	17.06	188	1517984	20.00	ng	-0.01
76) Chrysene-d12	21.26	240	1240325	20.00	ng	-0.01
87) Perylene-d12	23.50	264	1082562	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.27	112	1082699	69.60	ng	0.01
7) Phenol-d6	6.85	99	1164299	51.17	ng	0.00
23) Nitrobenzene-d5	8.83	82	2134390	91.02	ng	0.00
42) 2,4,6-Tribromophenol	15.82	330	1457520	132.30	ng	0.00
45) 2-Fluorobiphenyl	12.93	172	4526364	78.91	ng	0.00
79) Terphenyl-d14	19.70	244	6634954	106.20	ng	0.00

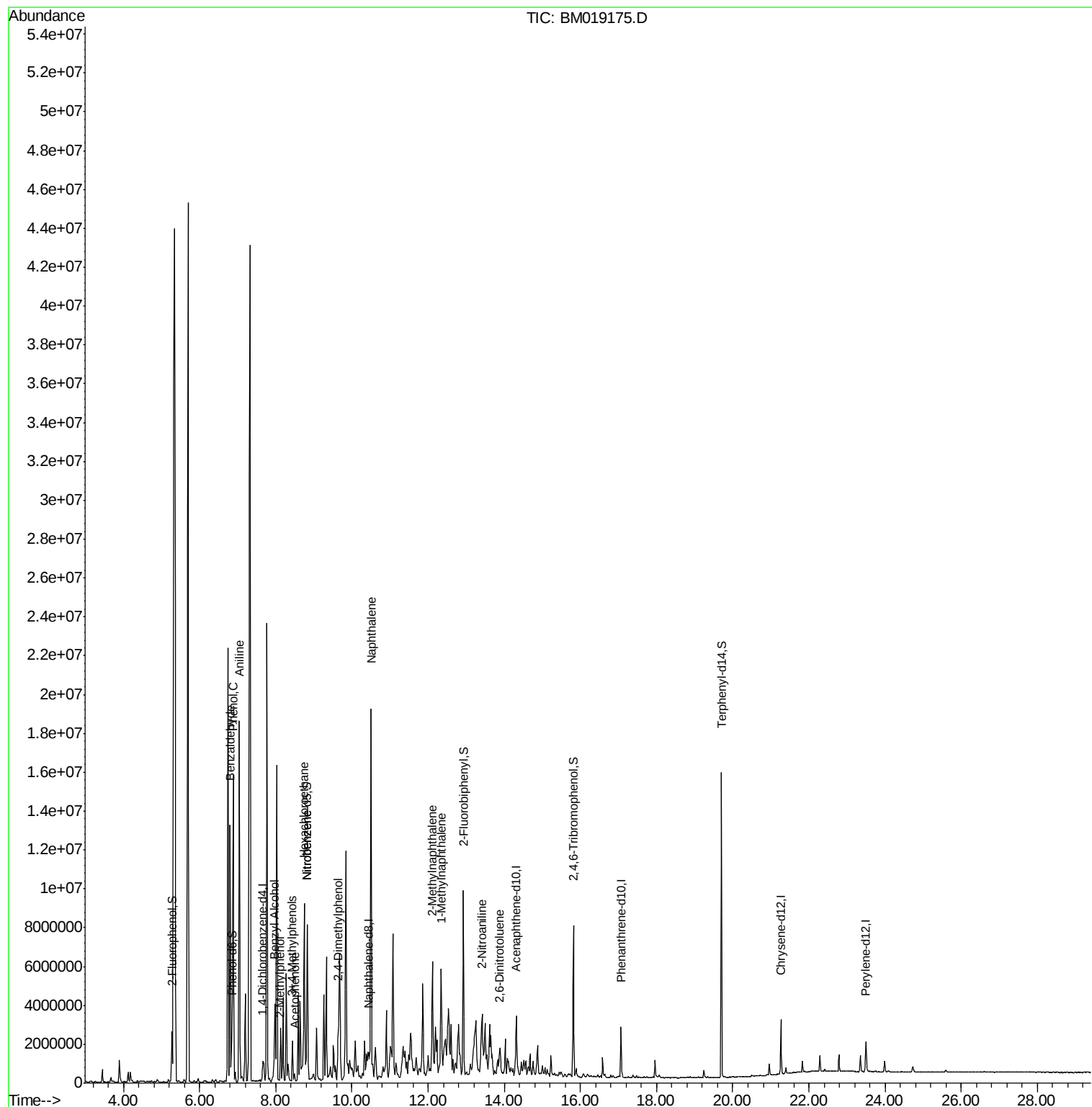
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Aniline	7.05	93	59736	2.034	ng	# 1
9) Benzaldehyde	6.80	77	958584	66.979	ng	# 1
10) Phenol	6.87	94	81097	3.307	ng	# 1
15) Benzyl Alcohol	7.97	79	52095	2.766	ng	# 48
17) 2-Methylphenol	8.11	107	32335	2.024	ng	# 51
18) Hexachloroethane	8.75	117	741717	98.973	ng	# 1
20) 3+4-Methylphenols	8.43	107	150726	6.949	ng	# 35
22) Acetophenone	8.49	105	195974	6.397	ng	# 99
24) Nitrobenzene	8.83	77	168344	6.903	ng	# 5
27) 2,4-Dimethylphenol	9.64	122	699997	46.576	ng	# 98
31) Naphthalene	10.50	128	15551690	266.175	ng	# 95
37) 2-Methylnaphthalene	12.12	142	2325716	54.778	ng	# 99
38) 1-Methylnaphthalene	12.33	142	1718790	41.072	ng	# 98
48) 2-Nitroaniline	13.42	65	168629	10.337	ng	# 31
51) 2,6-Dinitrotoluene	13.88	165	31128	2.256	ng	# 52

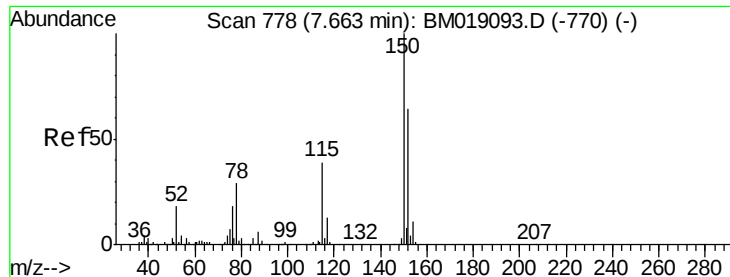
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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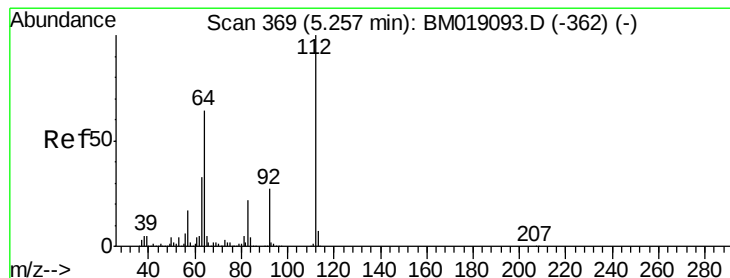
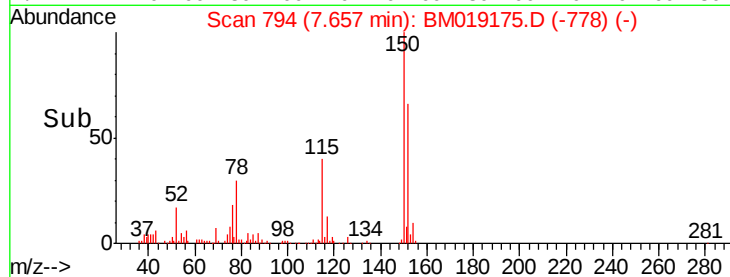
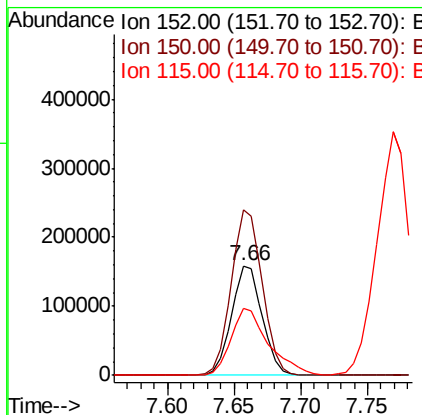
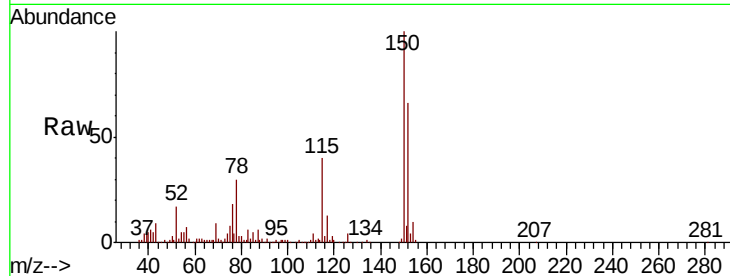


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.66 min Scan# 794
 Delta R.T. -0.01 min
 Lab File: BM019175.D
 Acq: 14 Mar 2019 18:42

Instrument :
 BNA_M
 ClientSampleId :
 RFK-RMAB-MW08-GW

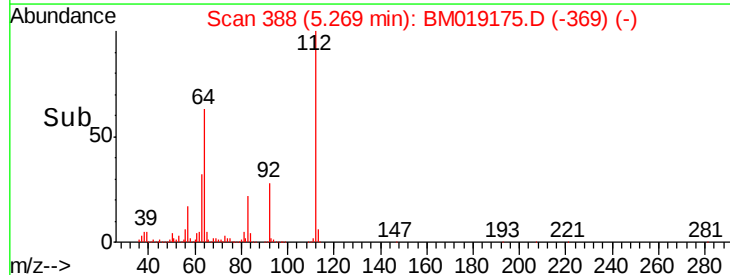
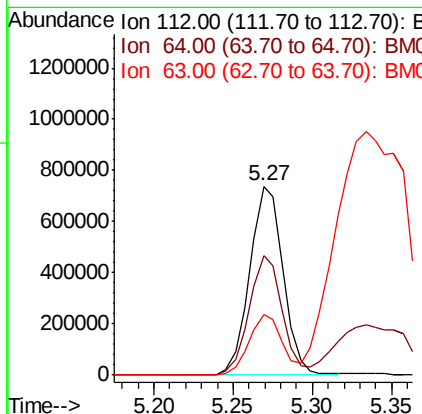
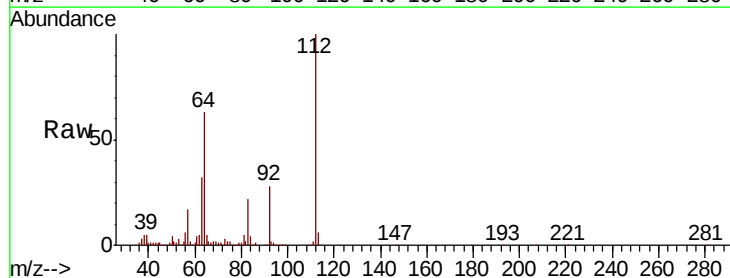
Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	125.3	187.9
115	61.1	49.4	74.0

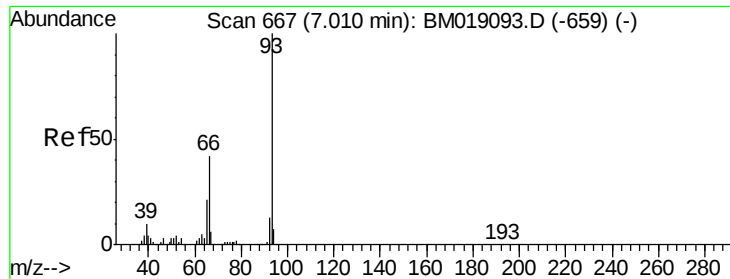


#5

2-Fluorophenol
 Concen: 69.603 ng
 RT: 5.27 min Scan# 388
 Delta R.T. 0.01 min
 Lab File: BM019175.D
 Acq: 14 Mar 2019 18:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	63.4	51.4	77.0
63	32.4	26.6	40.0





#6

Aniline

Concen: 2.034 ng

RT: 7.05 min Scan# 690

Delta R.T. 0.04 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_M

ClientSampleId :

RFK-RMAB-MW08-GW

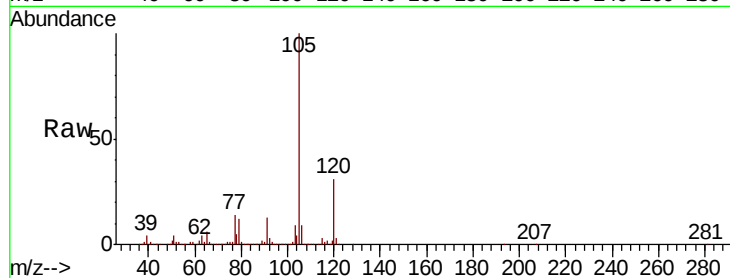
Tot Ion: 93 Resp: 59736

Ion Ratio Lower Upper

93 100

66 109.6 33.4 50.2#

65 1107.6 16.8 25.2#

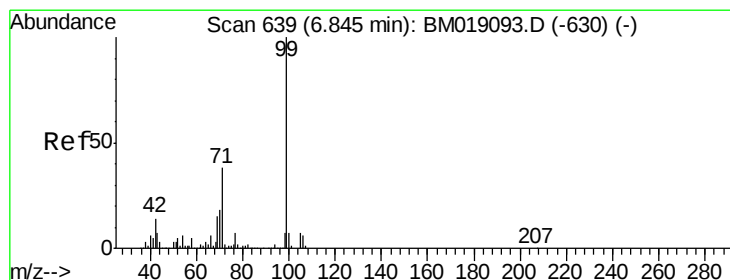
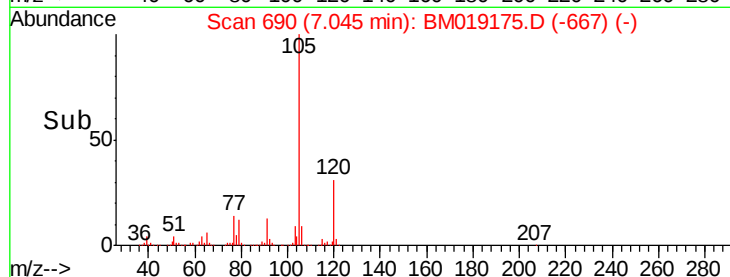
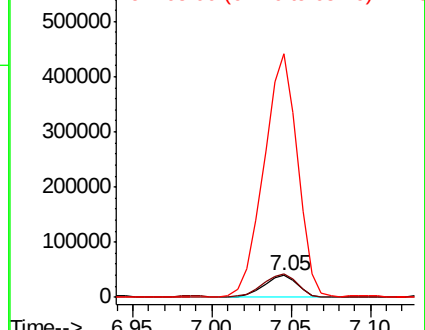


Abundance

Ion 93.00 (92.70 to 93.70): BM019093.D (-659) (-)

Ion 66.00 (65.70 to 66.70): BM019093.D (-659) (-)

Ion 65.00 (64.70 to 65.70): BM019093.D (-659) (-)



#7

Phenol-d6

Concen: 51.171 ng

RT: 6.85 min Scan# 656

Delta R.T. -0.00 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

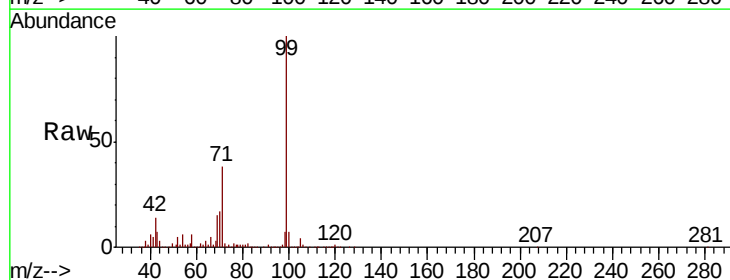
Tgt Ion: 99 Resp: 1164299

Ion Ratio Lower Upper

99 100

42 14.1 10.9 16.3

71 37.7 30.3 45.5

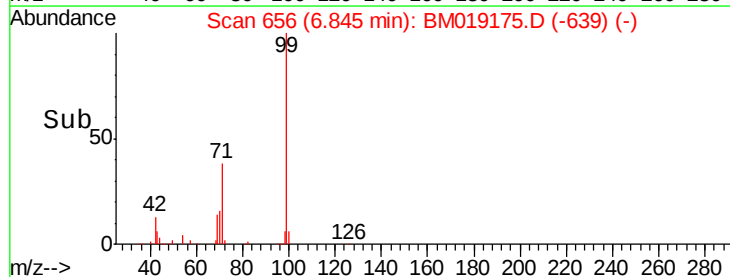
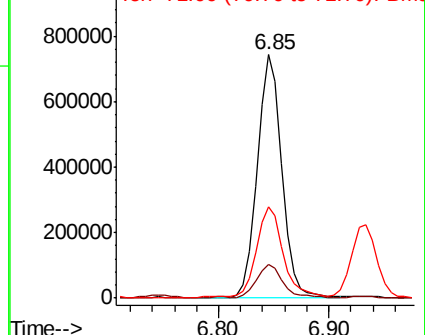


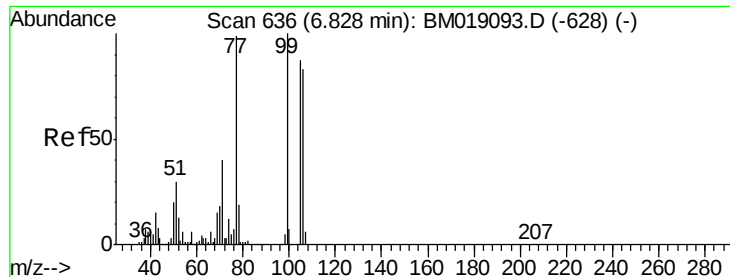
Abundance

Ion 99.00 (98.70 to 99.70): BM019093.D (-630) (-)

Ion 42.00 (41.70 to 42.70): BM019093.D (-630) (-)

Ion 71.00 (70.70 to 71.70): BM019093.D (-630) (-)





#9

Benzaldehyde

Concen: 66.979 ng

RT: 6.80 min Scan# 649

Delta R.T. -0.02 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_M

ClientSampleId :

RFK-RMAB-MW08-GW

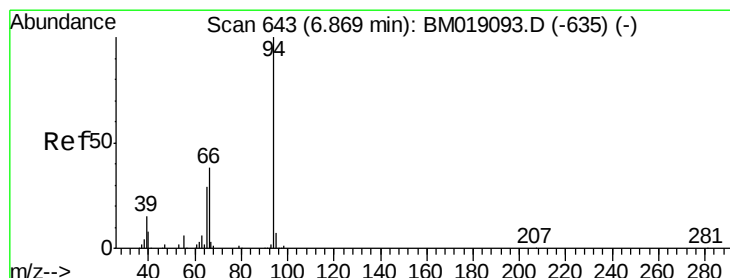
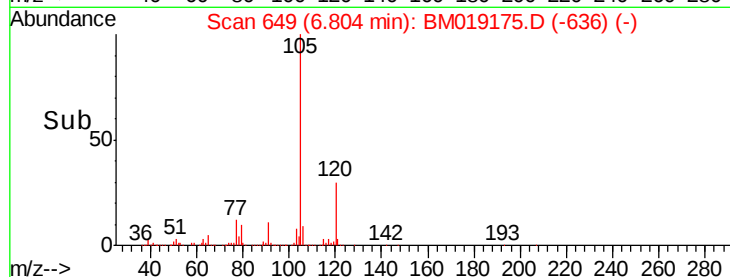
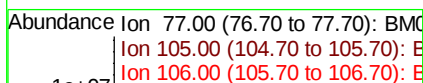
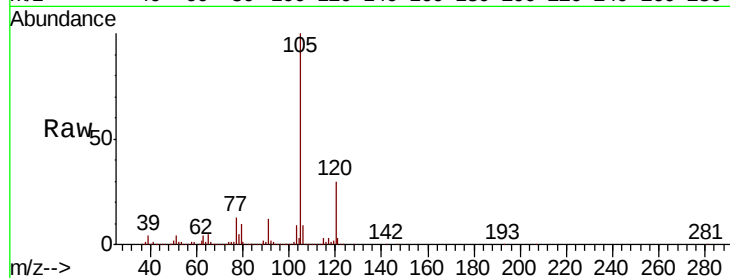
Tot Ion: 77 Resp: 958584

Ion Ratio Lower Upper

77 100

105 775.4 67.7 107.7#

106 70.8 64.1 104.1



#10

Phenol

Concen: 3.307 ng

RT: 6.87 min Scan# 661

Delta R.T. 0.01 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

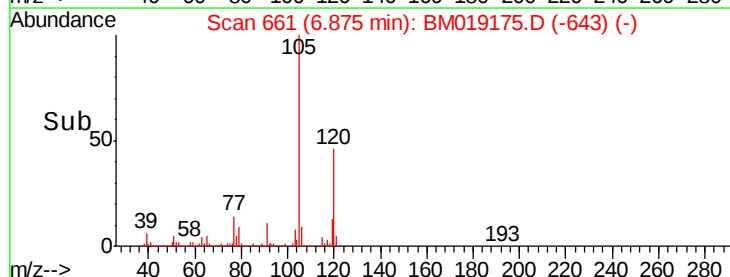
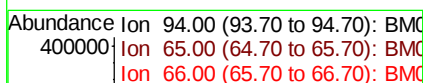
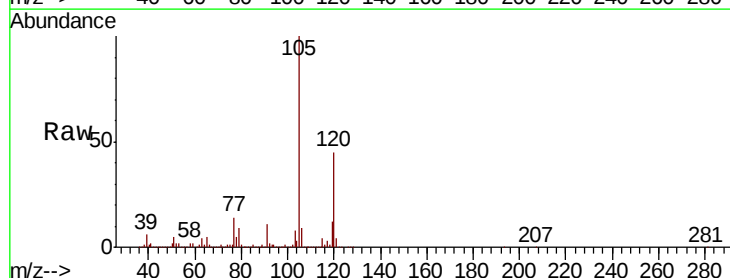
Tgt Ion: 94 Resp: 81097

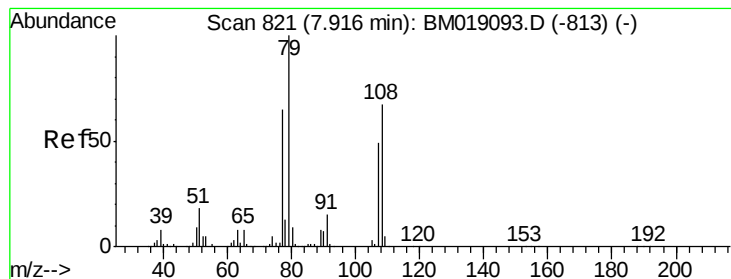
Ion Ratio Lower Upper

94 100

65 481.5 9.7 49.7#

66 96.5 19.2 59.2#





#15

Benzyl Alcohol

Concen: 2.766 ng

RT: 7.97 min Scan# 848

Delta R.T. 0.06 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_M

ClientSampleId :

RFK-RMAB-MW08-GW

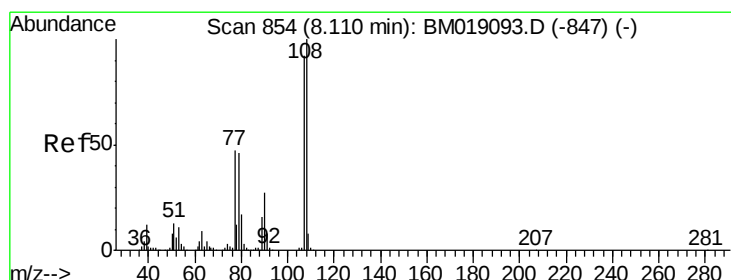
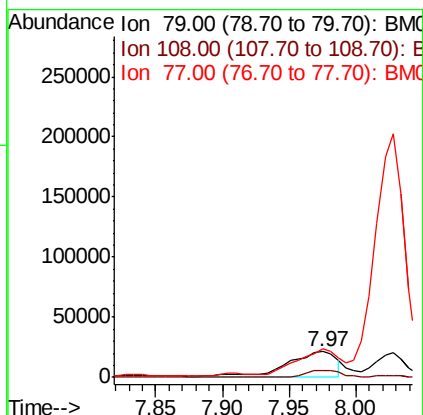
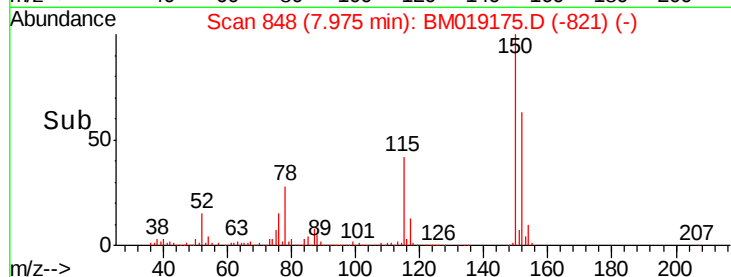
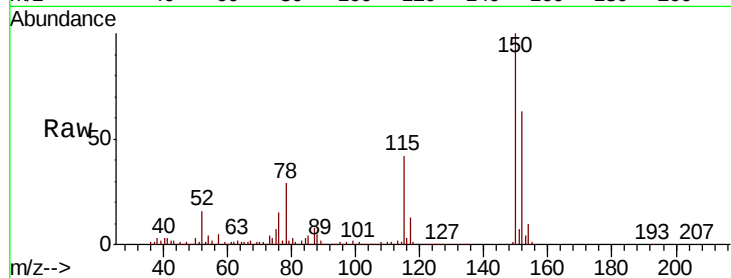
Tot Ion: 79 Resp: 52095

Ion Ratio Lower Upper

79 100

108 28.1 53.7 80.5#

77 109.1 51.8 77.8#



#17

2-Methylphenol

Concen: 2.024 ng

RT: 8.11 min Scan# 871

Delta R.T. -0.00 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

Tgt Ion: 107 Resp: 32335

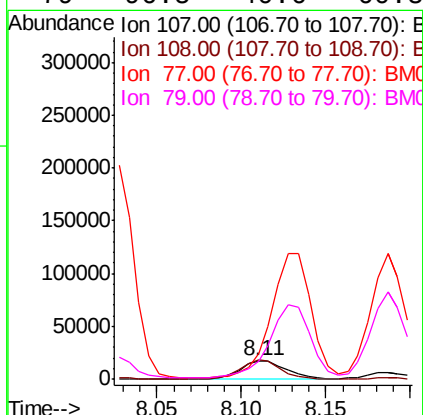
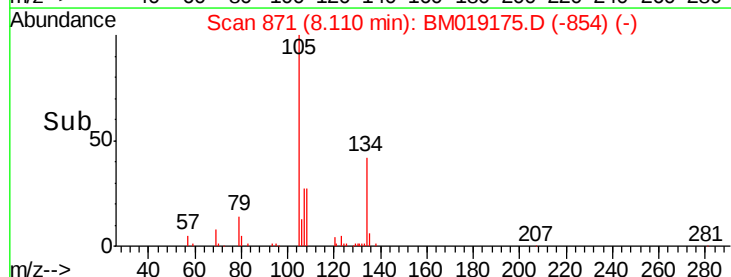
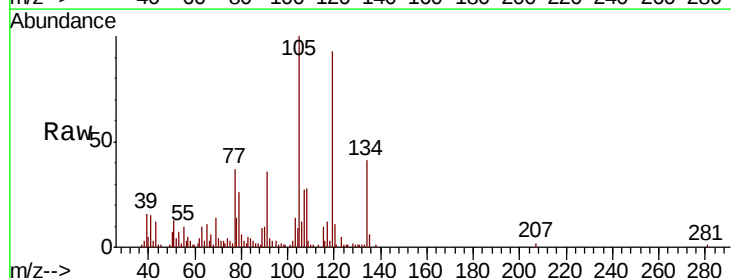
Ion Ratio Lower Upper

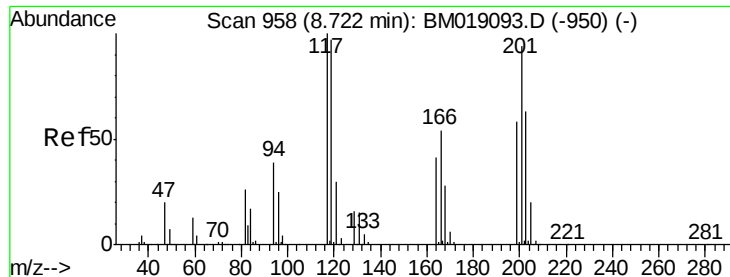
107 100

108 101.4 87.4 131.2

77 136.2 41.6 62.4#

79 96.5 40.6 60.8#





#18

Hexachloroethane

Concen: 98.973 ng

RT: 8.75 min Scan# 979

Delta R.T. 0.02 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_M

ClientSampleId :

RFK-RMAB-MW08-GW

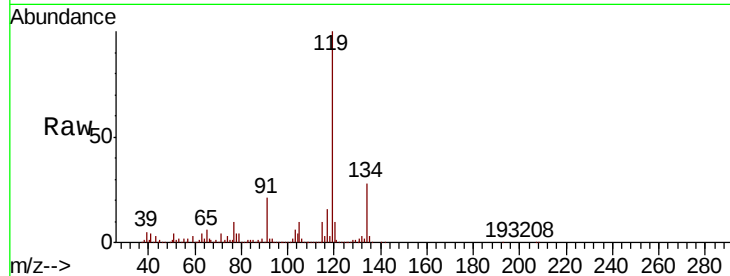
Tot Ion:117 Resp: 741717

Ion Ratio Lower Upper

117 100

119 621.6 77.4 116.2#

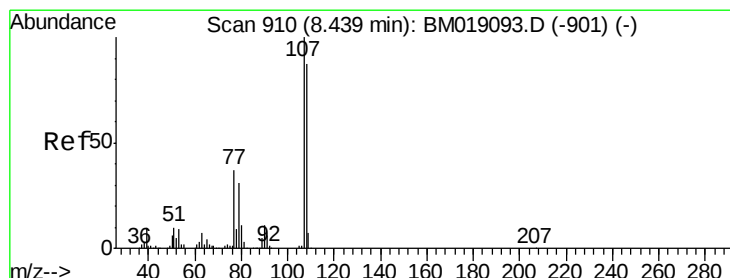
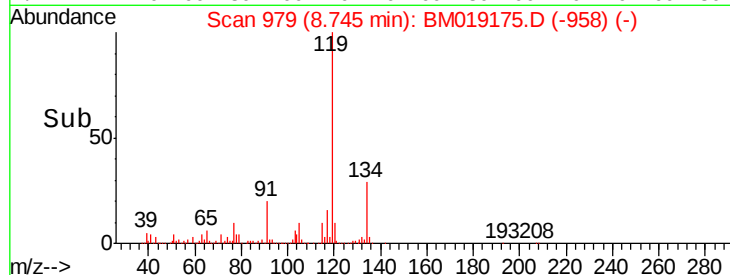
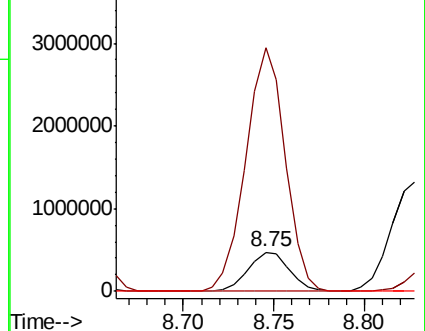
201 0.0 75.2 112.8#



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



#20

3+4-Methylphenols

Concen: 6.949 ng

RT: 8.43 min Scan# 926

Delta R.T. -0.01 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

Tgt Ion:107 Resp: 150726

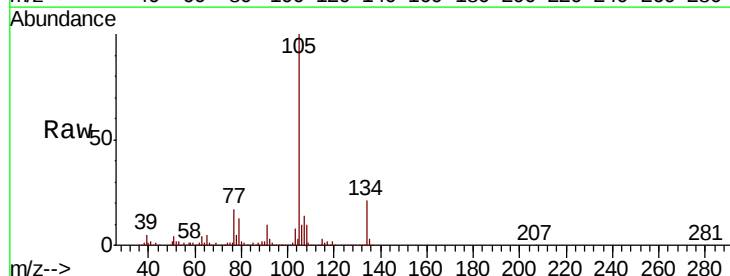
Ion Ratio Lower Upper

107 100

108 76.1 67.0 107.0

77 123.9 17.3 57.3#

79 97.9 11.6 51.6#

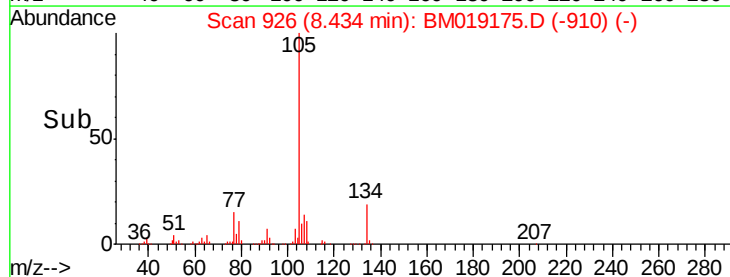
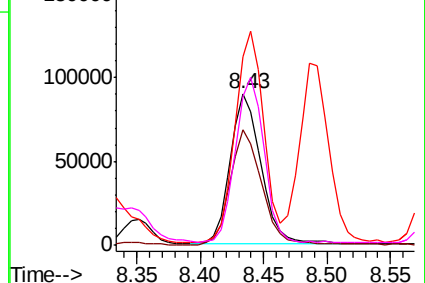


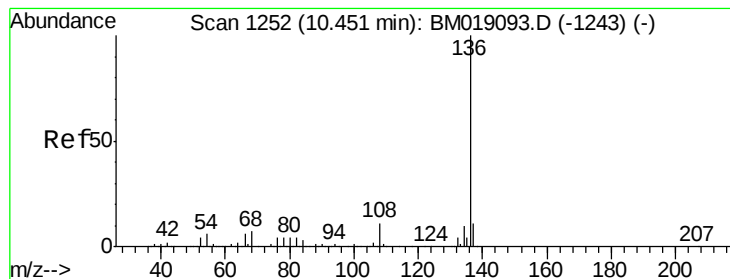
Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BM0

Ion 79.00 (78.70 to 79.70): BM0





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.45 min Scan# 1268

Delta R.T. -0.01 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_M

ClientSampleId :

RFK-RMAB-MW08-GW

Tot Ion:136 Resp: 1108507

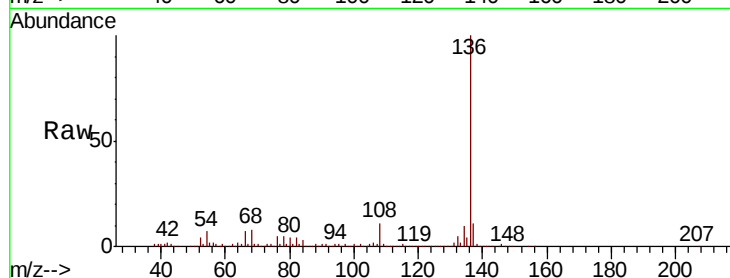
Ion Ratio Lower Upper

136 100

137 11.1 8.6 13.0

54 6.8 5.2 7.8

68 7.6 5.8 8.8

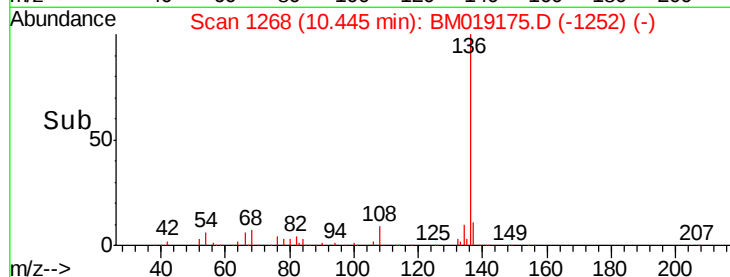


Abundance Ion 136.00 (135.70 to 136.70): E

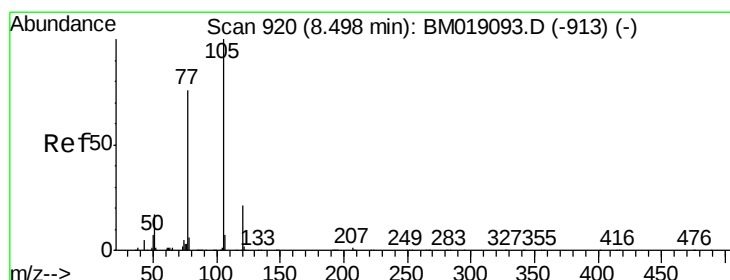
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BM

Ion 68.00 (67.70 to 68.70): BM



Time-->



#22

Acetophenone

Concen: 6.397 ng

RT: 8.49 min Scan# 936

Delta R.T. -0.01 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

Tgt Ion:105 Resp: 195974

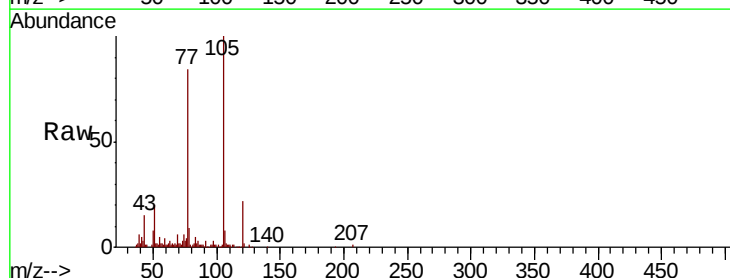
Ion Ratio Lower Upper

105 100

71 2.1 0.8 1.2#

51 19.6 15.8 23.6

120 21.7 17.0 25.4

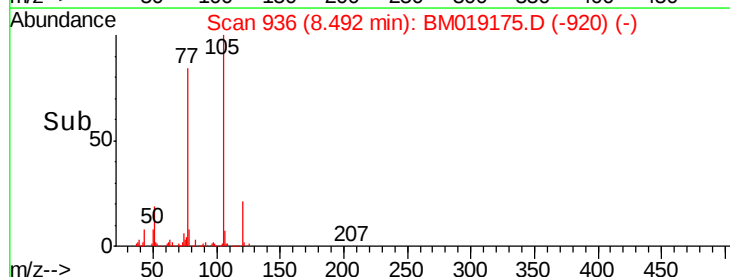


Abundance Ion 105.00 (104.70 to 105.70): E

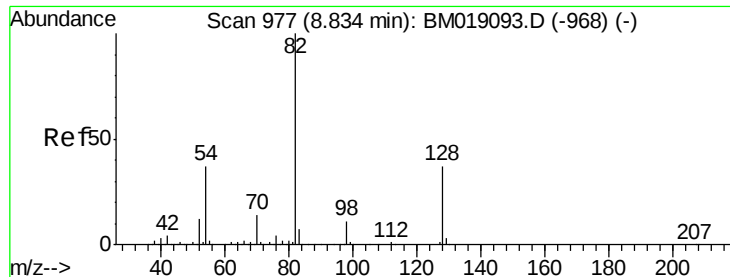
Ion 71.00 (70.70 to 71.70): BM

Ion 51.00 (50.70 to 51.70): BM

Ion 120.00 (119.70 to 120.70): E



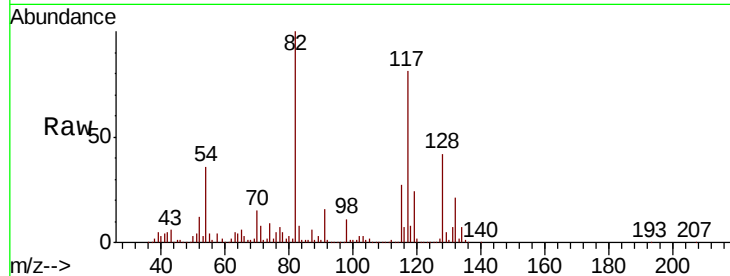
Time-->



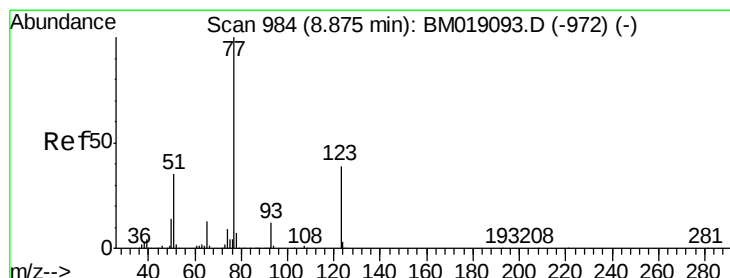
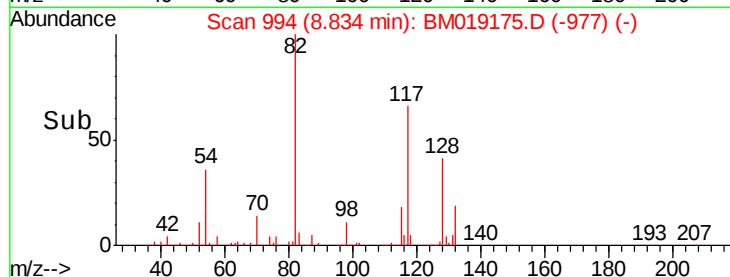
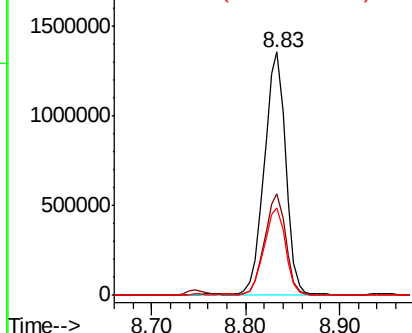
#23
Nitrobenzene-d5
Concen: 91.017 ng
RT: 8.83 min Scan# 994
Delta R.T. -0.00 min
Lab File: BM019175.D
Acq: 14 Mar 2019 18:42

Instrument :
BNA_M
ClientSampleId :
RFK-RMAB-MW08-GW

Tot Ion: 82 Resp: 2134390
Ion Ratio Lower Upper
82 100
128 41.6 29.4 44.2
54 35.8 29.9 44.9

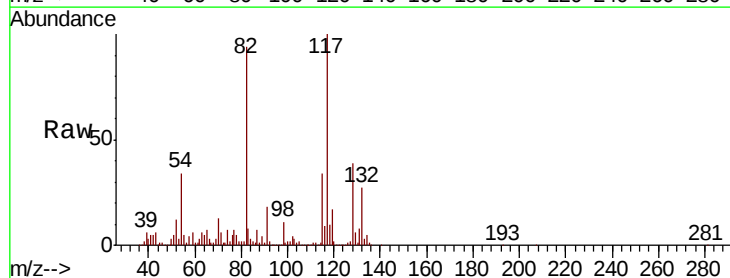


Abundance Ion 82.00 (81.70 to 82.70): BM019093.D (-968) (-)
Ion 128.00 (127.70 to 128.70): BM019093.D (-968) (-)
Ion 54.00 (53.70 to 54.70): BM019093.D (-968) (-)

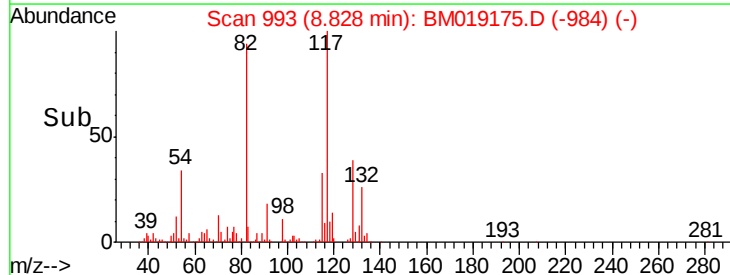
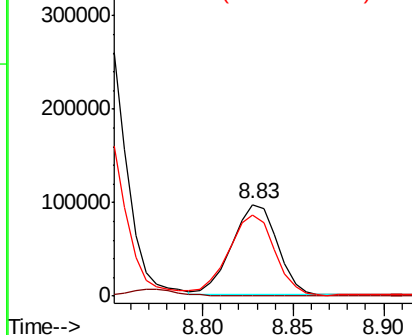


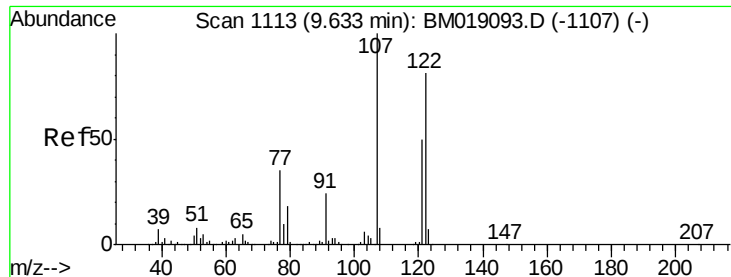
#24
Nitrobenzene
Concen: 6.903 ng
RT: 8.83 min Scan# 993
Delta R.T. -0.05 min
Lab File: BM019175.D
Acq: 14 Mar 2019 18:42

Tgt Ion: 77 Resp: 168344
Ion Ratio Lower Upper
77 100
123 0.7 31.3 46.9#
65 88.9 10.5 15.7#



Abundance Ion 77.00 (76.70 to 77.70): BM019093.D (-972) (-)
Ion 123.00 (122.70 to 123.70): BM019093.D (-972) (-)
Ion 65.00 (64.70 to 65.70): BM019093.D (-972) (-)

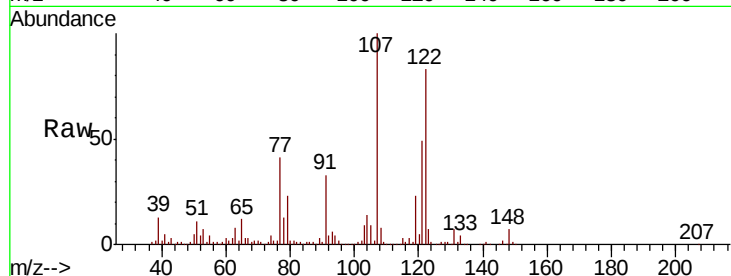




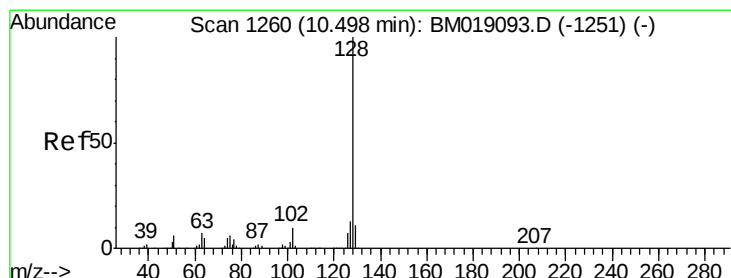
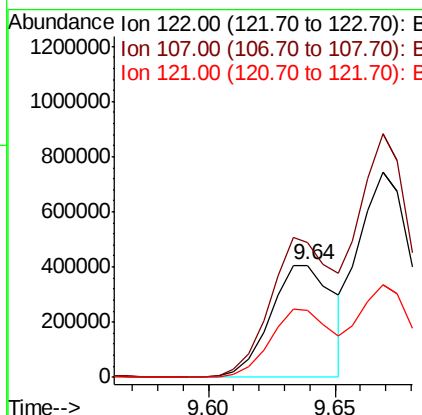
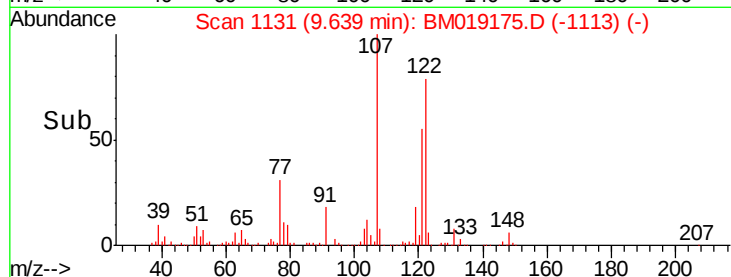
#27
2,4-Dimethylphenol
Concen: 46.576 ng
RT: 9.64 min Scan# 1131
Delta R.T. 0.01 min
Lab File: BM019175.D
Acq: 14 Mar 2019 18:42

Instrument :
BNA_M
ClientSampleId :
RFK-RMAB-MW08-GW

Tot Ion:122 Resp: 699997
Ion Ratio Lower Upper
122 100
107 120.4 98.2 147.4
121 59.5 48.8 73.2

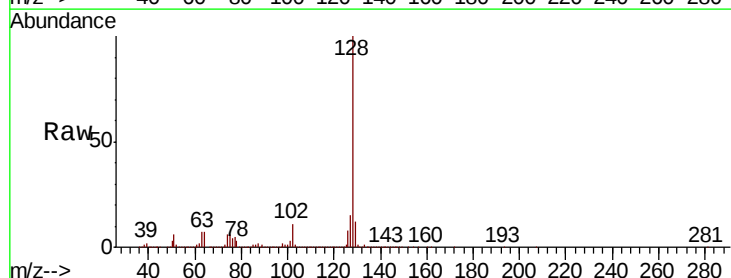


Abundance Ion 122.00 (121.70 to 122.70): E
1200000
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

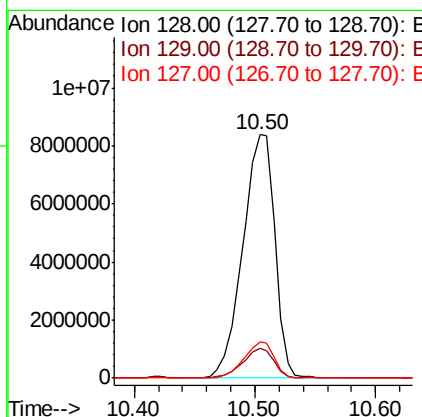
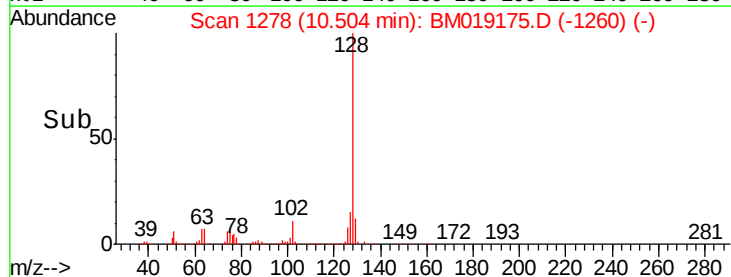


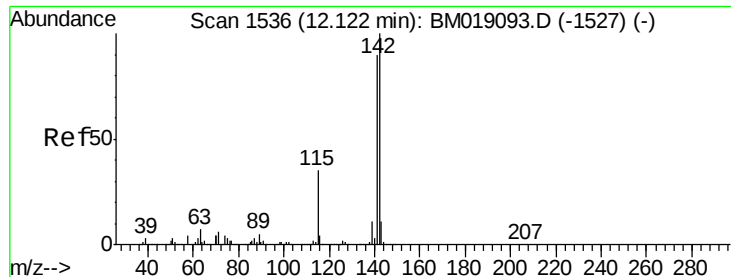
#31
Naphthalene
Concen: 266.175 ng
RT: 10.50 min Scan# 1278
Delta R.T. 0.01 min
Lab File: BM019175.D
Acq: 14 Mar 2019 18:42

Tgt Ion:128 Resp:15551690
Ion Ratio Lower Upper
128 100
129 12.4 8.6 13.0
127 14.9 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): E
1e+07
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

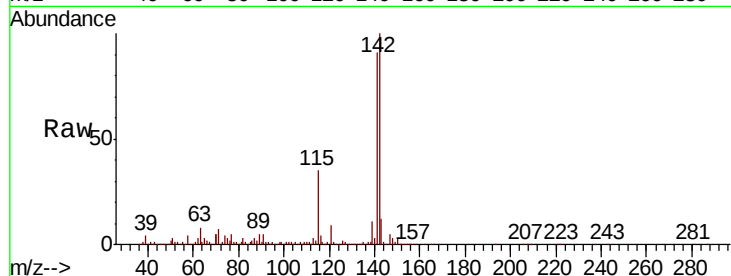




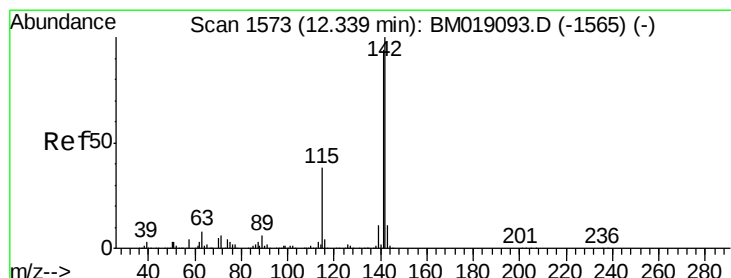
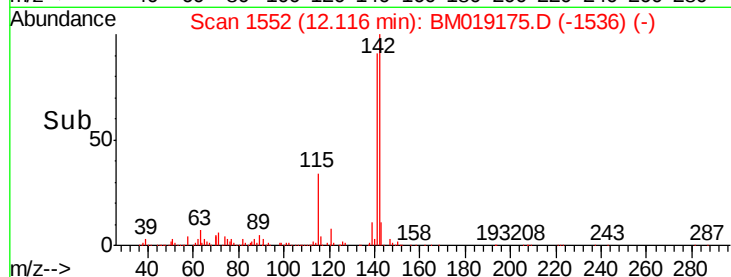
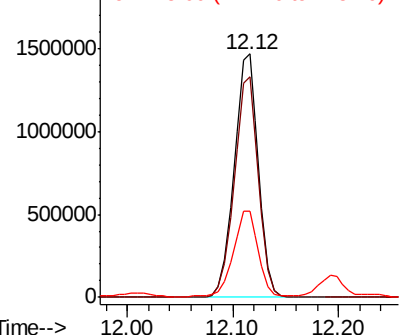
#37
2-Methylnaphthalene
Concen: 54.778 ng
RT: 12.12 min Scan# 1552
Delta R.T. -0.01 min
Lab File: BM019175.D
Acq: 14 Mar 2019 18:42

Instrument :
BNA_M
ClientSampleId :
RFK-RMAB-MW08-GW

Tot Ion:142 Resp: 2325716
Ion Ratio Lower Upper
142 100
141 90.8 72.3 108.5
115 35.5 27.8 41.8

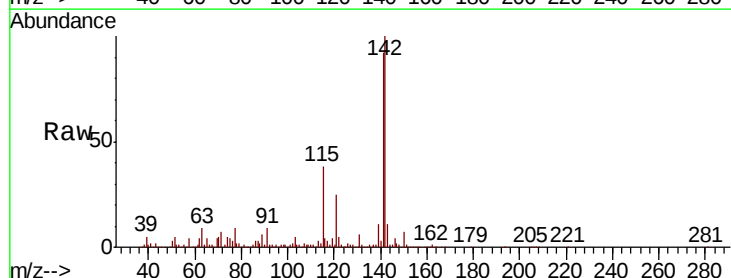


Abundance Ion 142.00 (141.70 to 142.70): E
2000000 Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

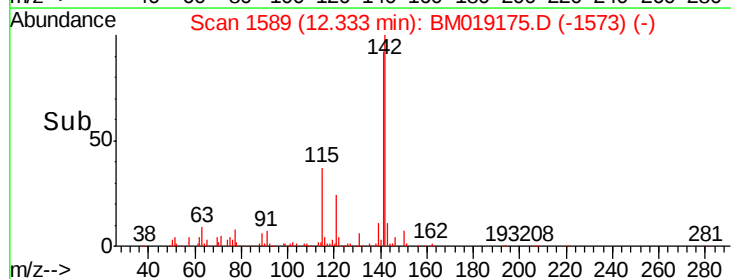
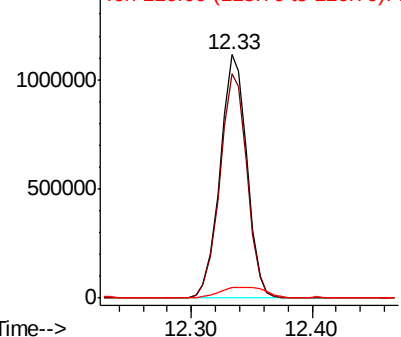


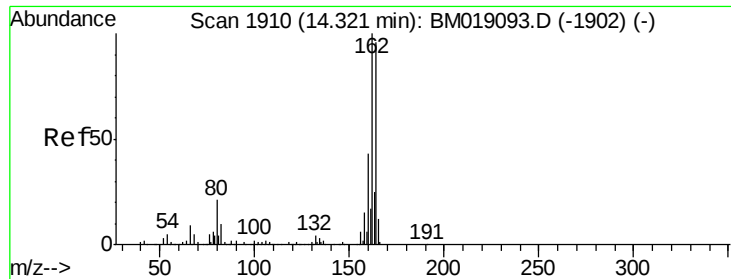
#38
1-Methylnaphthalene
Concen: 41.072 ng
RT: 12.33 min Scan# 1589
Delta R.T. -0.01 min
Lab File: BM019175.D
Acq: 14 Mar 2019 18:42

Tgt Ion:142 Resp: 1718790
Ion Ratio Lower Upper
142 100
141 92.0 74.9 112.3
116 4.4 3.2 4.8



Abundance Ion 142.00 (141.70 to 142.70): E
1500000 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: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_M

ClientSampleId :

RFK-RMAB-MW08-GW

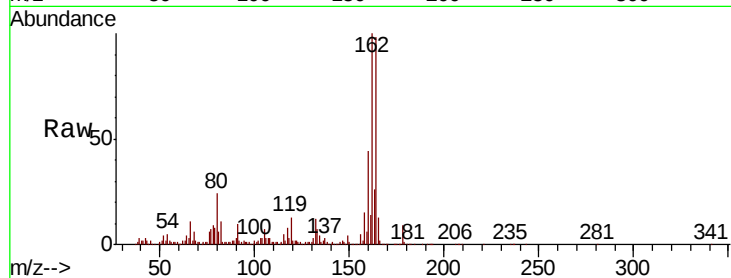
Tot Ion:164 Resp: 746169

Ion Ratio Lower Upper

164 100

162 102.1 83.5 125.3

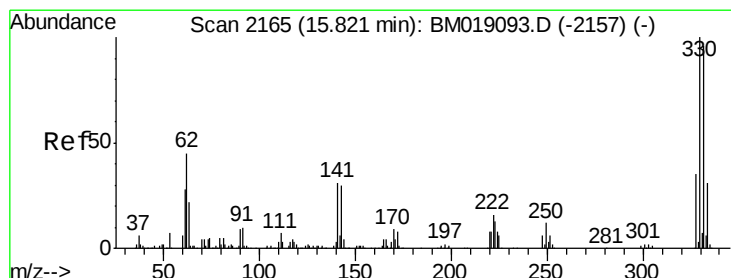
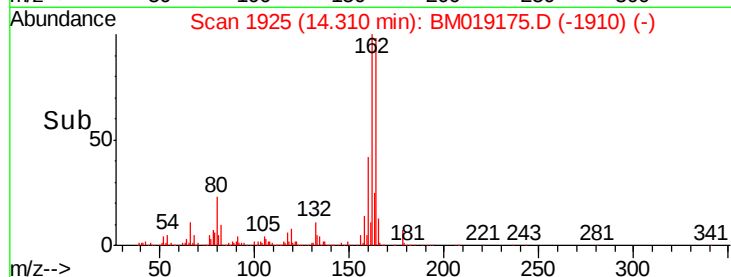
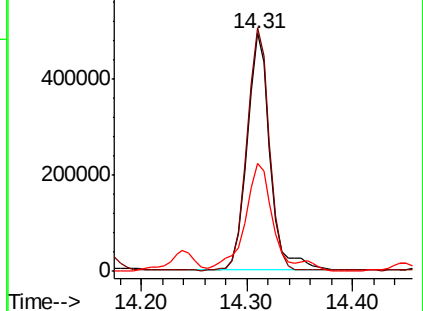
160 45.1 36.3 54.5



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: 132.298 ng

RT: 15.82 min Scan# 2181

Delta R.T. -0.01 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

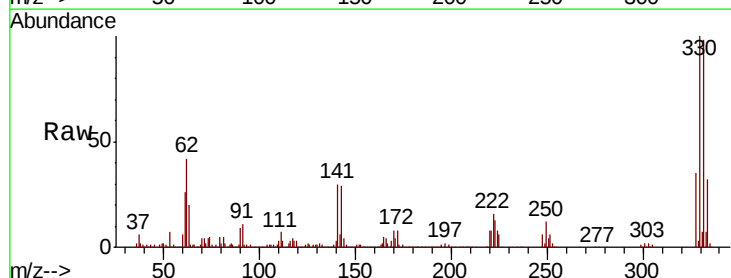
Tgt Ion:330 Resp: 1457520

Ion Ratio Lower Upper

330 100

332 97.3 76.8 115.2

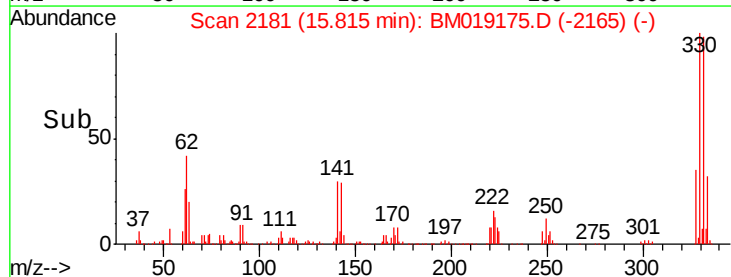
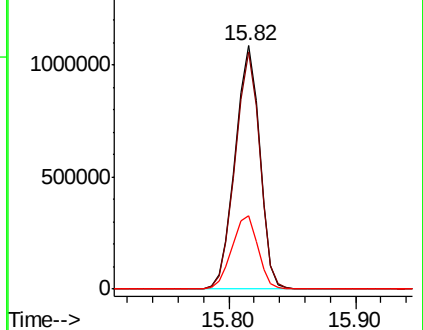
141 31.4 27.0 40.4

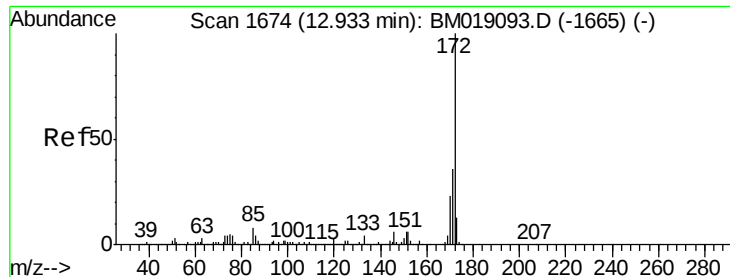


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

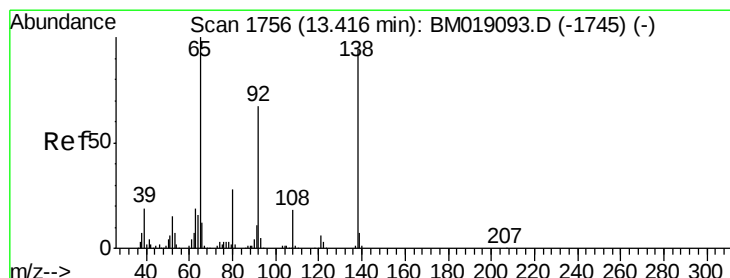
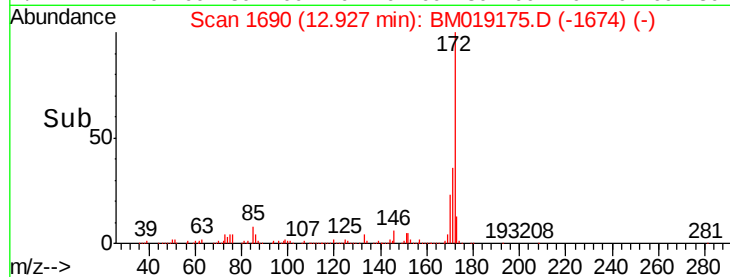
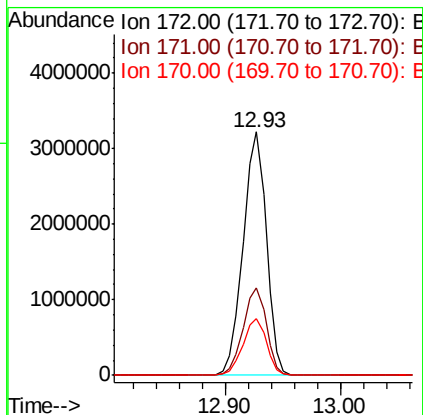
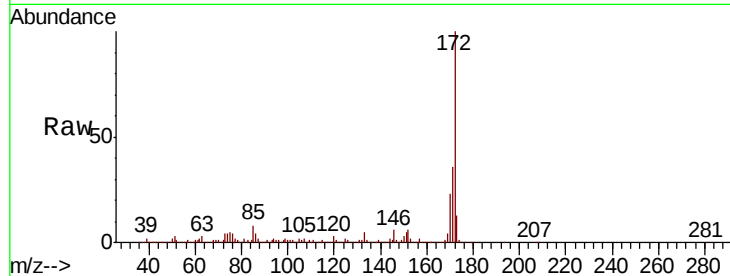




#45
2-Fluorobiphenyl
Concen: 78.906 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BM019175.D
Acq: 14 Mar 2019 18:42

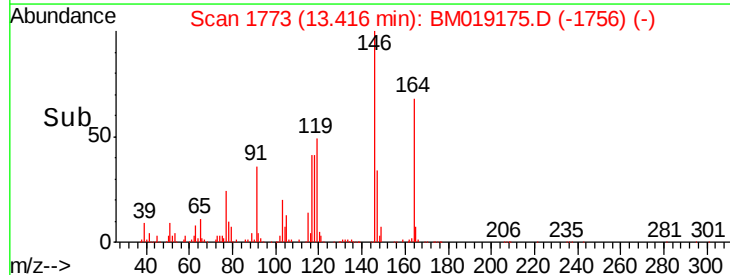
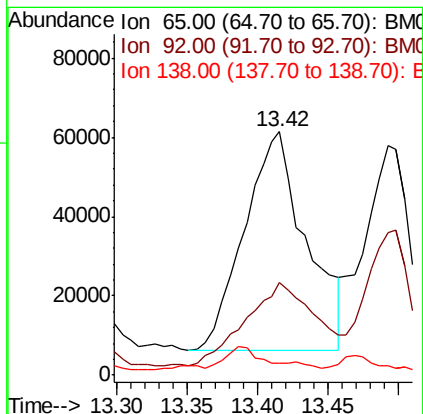
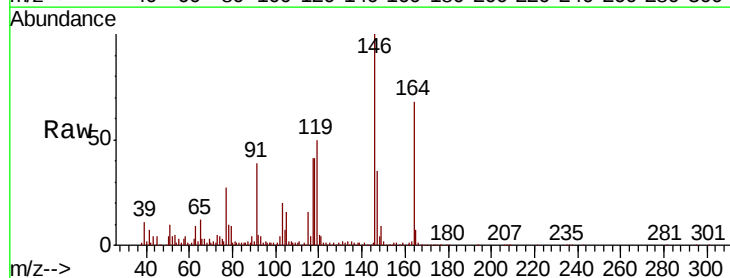
Instrument :
BNA_M
ClientSampleId :
RFK-RMAB-MW08-GW

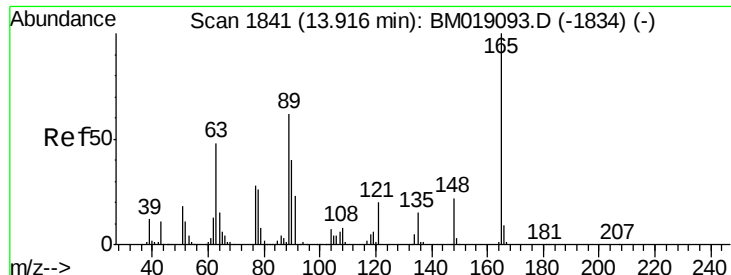
Tot Ion:172 Resp: 4526364
Ion Ratio Lower Upper
172 100
171 36.0 28.6 42.8
170 23.4 18.6 28.0



#48
2-Nitroaniline
Concen: 10.337 ng
RT: 13.42 min Scan# 1773
Delta R.T. -0.00 min
Lab File: BM019175.D
Acq: 14 Mar 2019 18:42

Tgt Ion: 65 Resp: 168629
Ion Ratio Lower Upper
65 100
92 37.8 53.4 80.2#
138 5.1 74.9 112.3#





#51

2,6-Dinitrotoluene

Concen: 2.256 ng

RT: 13.88 min Scan# 1852

Delta R.T. -0.04 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

Instrument :

BNA_M

ClientSampleId :

RFK-RMAB-MW08-GW

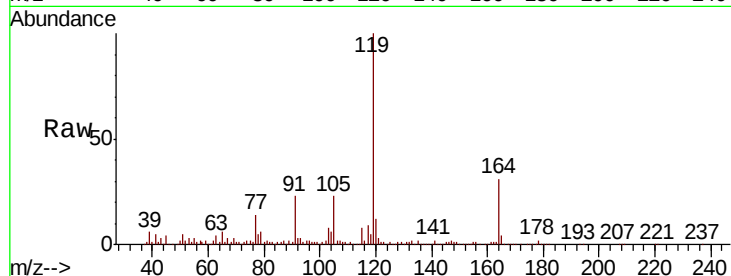
Tot Ion:165 Resp: 31128

Ion Ratio Lower Upper

165 100

63 125.6 48.2 72.4#

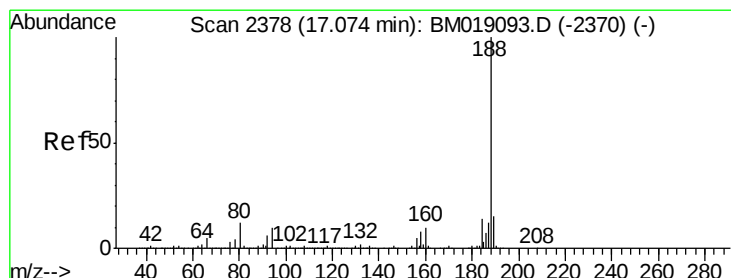
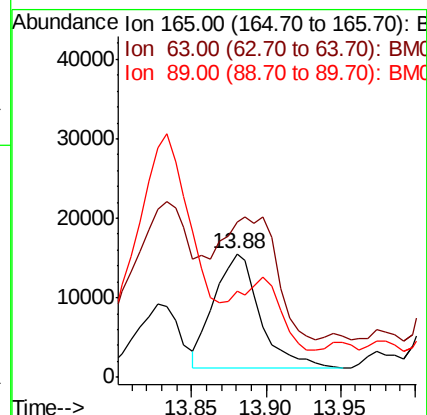
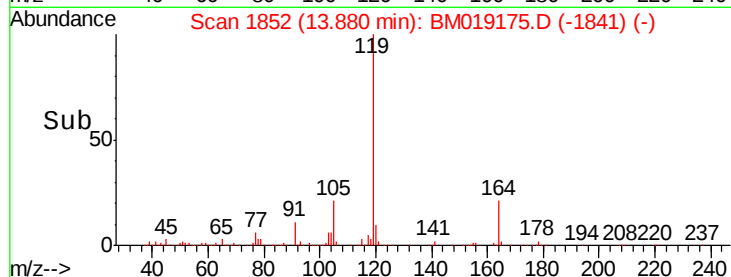
89 69.5 49.3 73.9



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2393

Delta R.T. -0.01 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

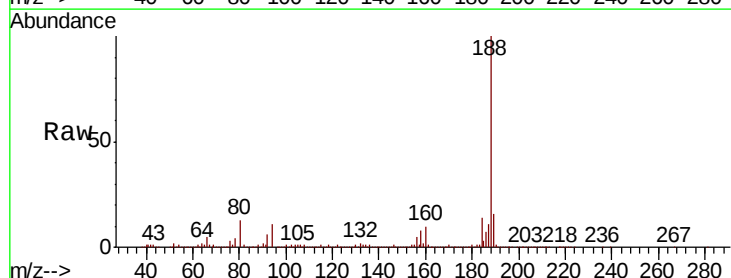
Tgt Ion:188 Resp: 1517984

Ion Ratio Lower Upper

188 100

94 10.6 8.1 12.1

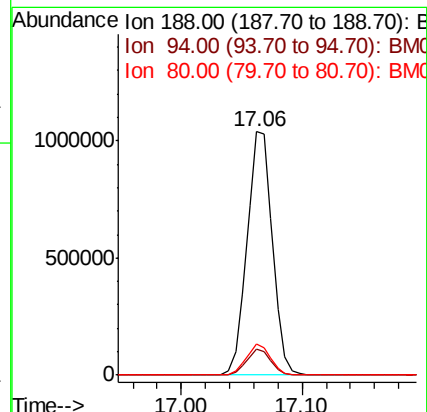
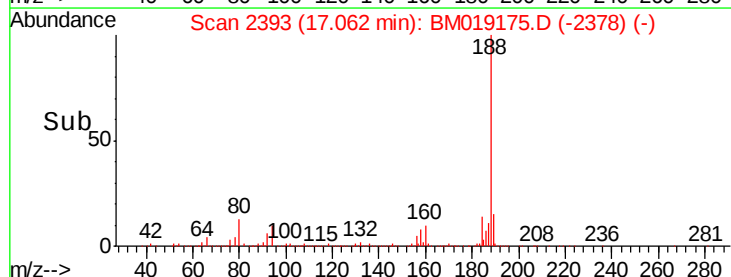
80 12.8 9.7 14.5

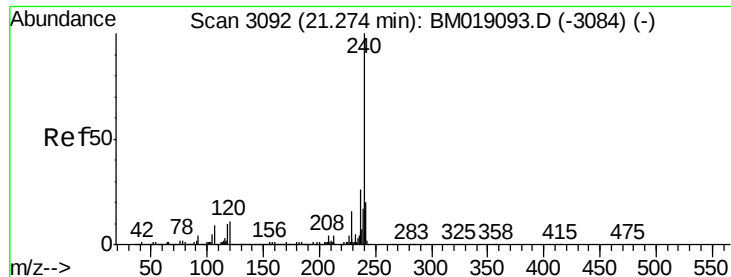


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.26 min Scan# 3107

Delta R.T. -0.01 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

Instrument :

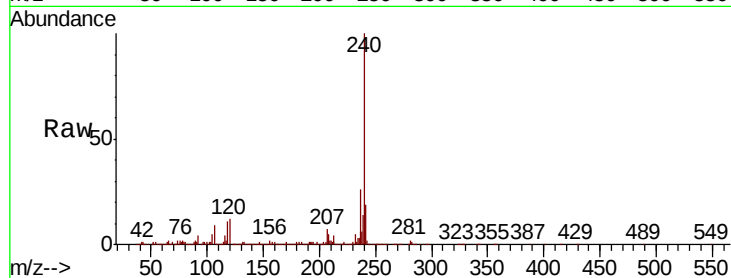
BNA_M

ClientSampleId :

RFK-RMAB-MW08-GW

Tot Ion:240 Resp: 1240325

Ion	Ratio	Lower	Upper
240	100		
120	11.8	8.9	13.3
236	25.7	21.0	31.4

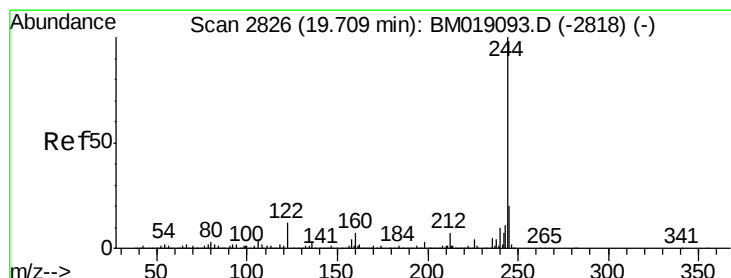
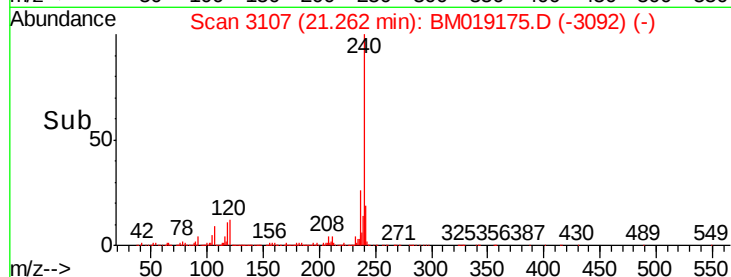
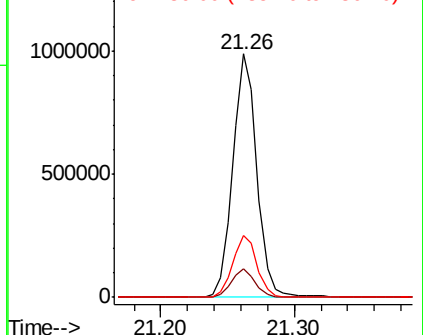


Abundance

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



#79

Terphenyl-d14

Concen: 106.197 ng

RT: 19.70 min Scan# 2842

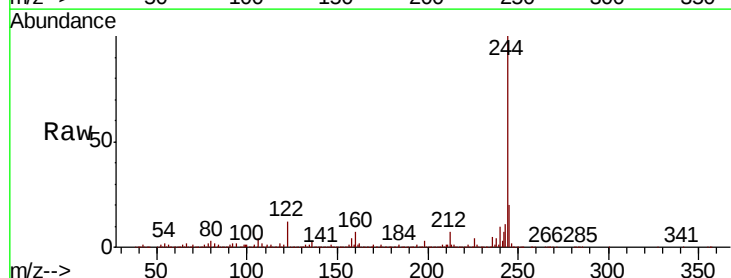
Delta R.T. -0.01 min

Lab File: BM019175.D

Acq: 14 Mar 2019 18:42

Tgt Ion:244 Resp: 6634954

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.6	9.4	14.2

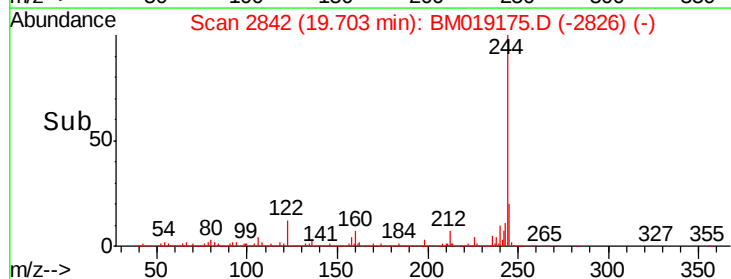
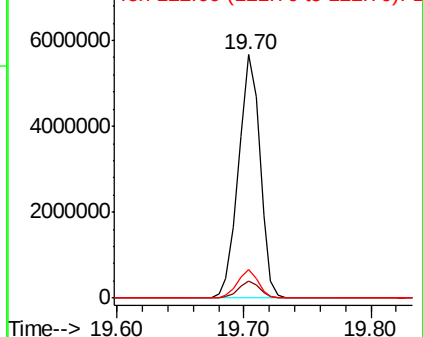


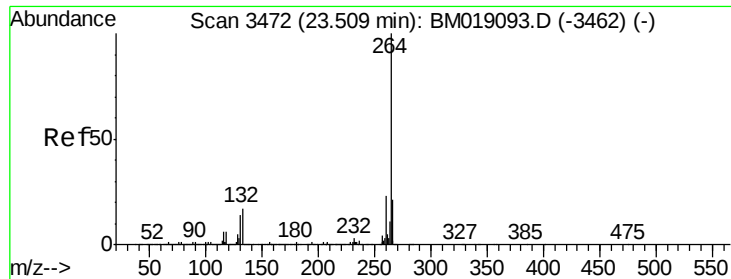
Abundance

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





#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 23.50 min Scan# 3487
 Delta R.T. -0.01 min
 Lab File: BM019175.D
 Acq: 14 Mar 2019 18:42

Instrument :
 BNA_M
 ClientSampleId :
 RFK-RMAB-MW08-GW

Tot Ion:264 Resp: 1082562

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	22.1	17.3	25.9

