

Data Path : Z:\SVOASRV\HPCHEM1\BNA_M\DATA\BM101818\
 Data File : BM017224.D
 Acq On : 19 Oct 2018 10:56
 Operator : MJ/SJ
 Sample : J5204-08
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SU-03-101718-B

Quant Time: Oct 19 12:10:26 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM101718.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 17 14:23:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.67	152	300387	20.00	ng	0.00
21) Naphthalene-d8	10.44	136	1146253	20.00	ng	-0.01
39) Acenaphthene-d10	14.31	164	676347	20.00	ng	0.00
64) Phenanthrene-d10	17.06	188	1598026	20.00	ng	-0.01
76) Chrysene-d12	21.25	240	1590734	20.00	ng	-0.01
87) Perylene-d12	23.47	264	1430109	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	1949064	109.74	ng	0.00
7) Phenol-d6	6.85	99	2273597	93.99	ng	0.00
23) Nitrobenzene-d5	8.82	82	1818500	92.79	ng	-0.01
42) 2,4,6-Tribromophenol	15.80	330	1274790	139.37	ng	-0.01
45) 2-Fluorobiphenyl	12.93	172	4328472	85.15	ng	0.00
79) Terphenyl-d14	19.70	244	6689308	94.78	ng	0.00

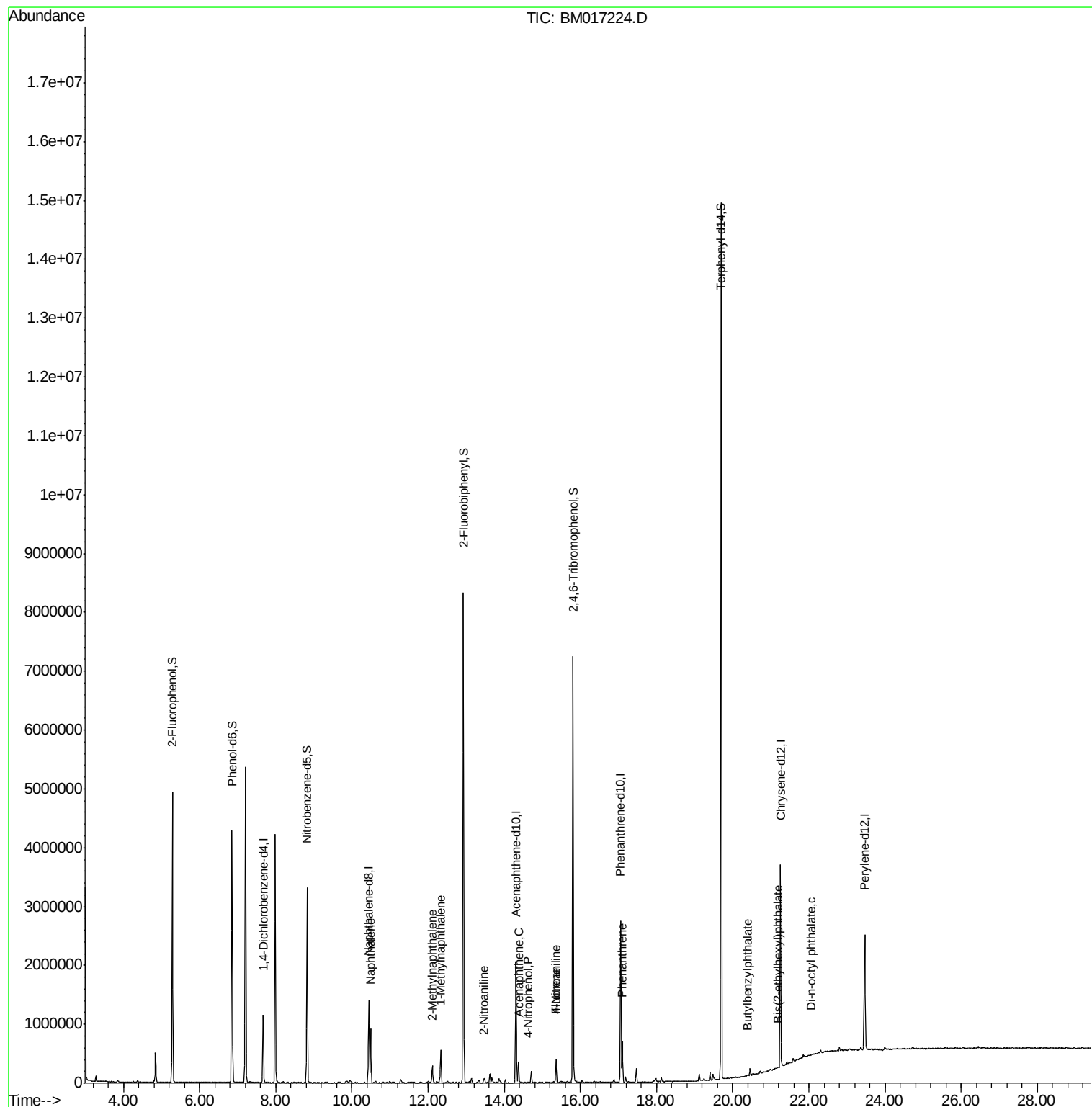
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Naphthalene	10.49	128	698490	12.435	ng	99
37) 2-Methylnaphthalene	12.11	142	138376	3.600	ng	98
38) 1-Methylnaphthalene	12.33	142	258923	6.921	ng	# 99
48) 2-Nitroaniline	13.45	65	125	5.696	ng	# 5
52) Acenaphthene	14.37	154	131296	3.222	ng	99
56) 4-Nitrophenol	14.61	139	125	4.727	ng	# 8
58) Fluorene	15.36	166	174357	3.476	ng	99
62) 4-Nitroaniline	15.36	138	1495	4.852	ng	# 18
71) Phenanthrene	17.10	178	398513	4.622	ng	100
80) Butylbenzylphthalate	20.40	149	2449	7.237	ng	# 96
84) Bis(2-ethylhexyl)phthalate	21.18	149	2803	5.356	ng	# 84
85) Di-n-octyl phthalate	22.05	149	2315	5.595	ng	# 78

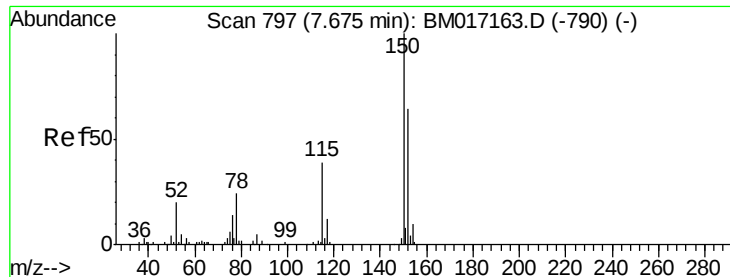
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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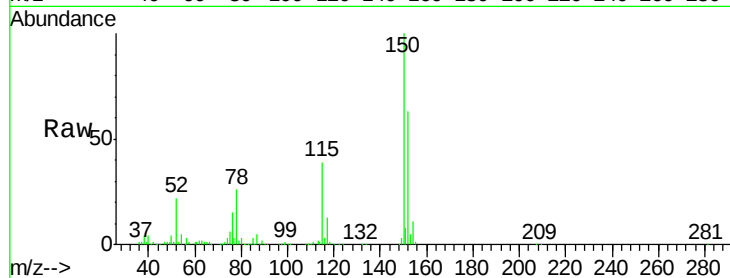


#1

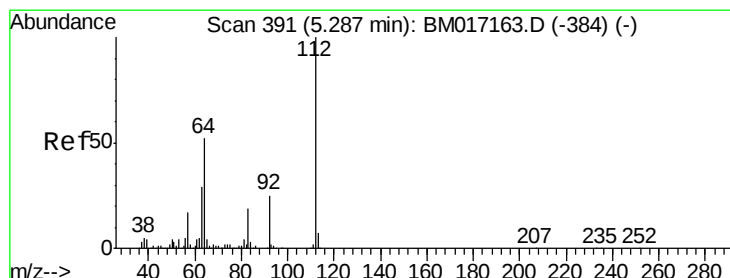
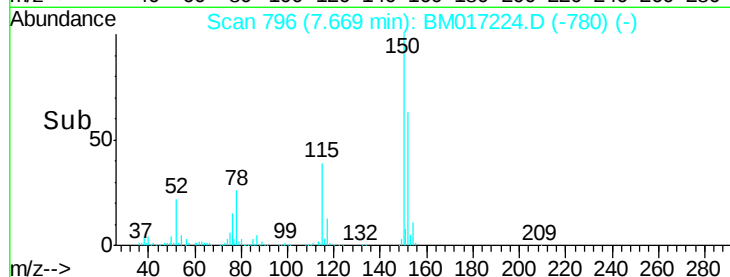
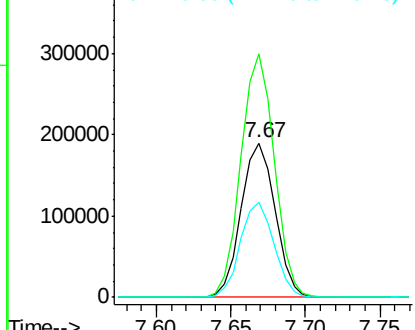
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.67 min Scan# 796
Delta R.T. -0.01 min
Lab File: BM017224.D
Acq: 19 Oct 2018 10:56

Instrument :
BNA_M
ClientSampleId :
SU-03-101718-B

Tgt Ion:152 Resp: 300387
Ion Ratio Lower Upper
152 100
150 157.5 124.3 186.5
115 61.4 48.1 72.1



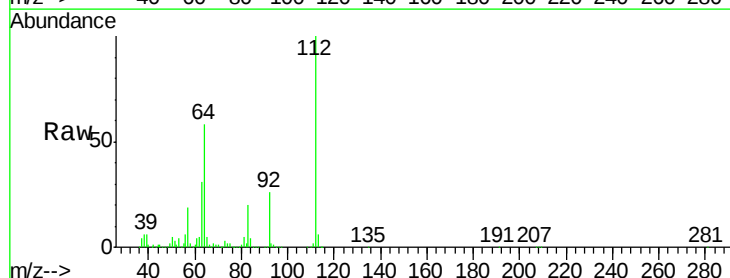
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



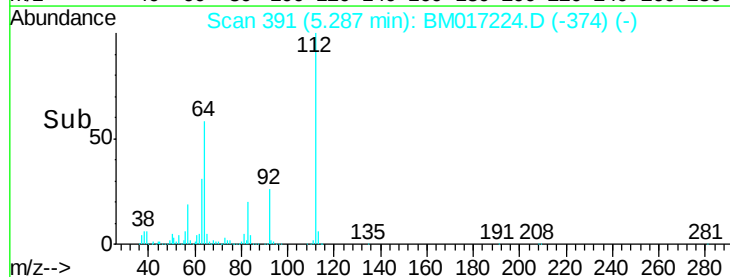
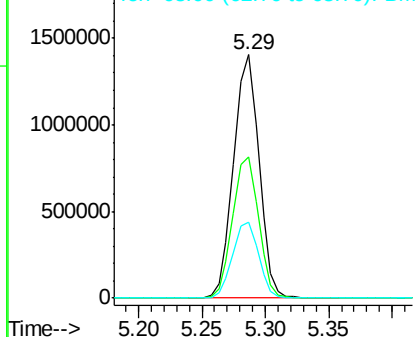
#5

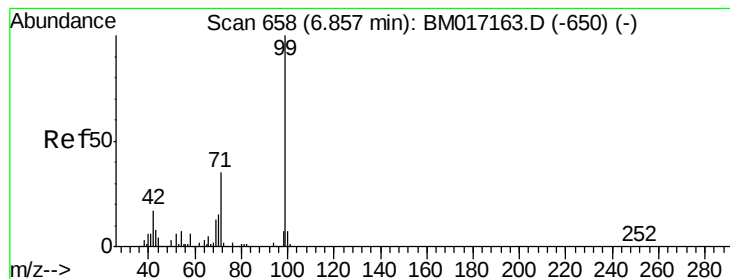
2-Fluorophenol
Concen: 109.742 ng
RT: 5.29 min Scan# 391
Delta R.T. 0.00 min
Lab File: BM017224.D
Acq: 19 Oct 2018 10:56

Tgt Ion:112 Resp: 1949064
Ion Ratio Lower Upper
112 100
64 58.1 41.7 62.5
63 31.0 23.0 34.4



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BM0
Ion 63.00 (62.70 to 63.70): BM0





#7

Phenol-d6

Concen: 93.995 ng

RT: 6.85 min Scan# 657

Delta R.T. -0.01 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

Instrument :

BNA_M

ClientSampleId :

SU-03-101718-B

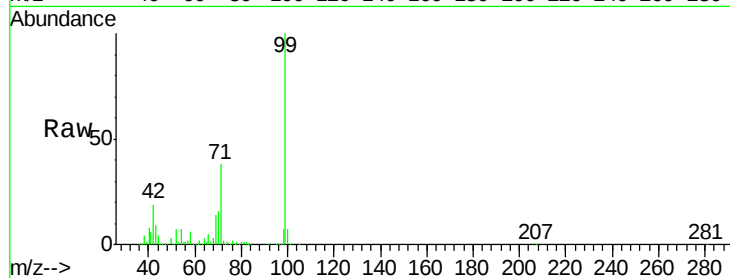
Tgt Ion: 99 Resp: 2273597

Ion Ratio Lower Upper

99 100

42 18.8 13.3 19.9

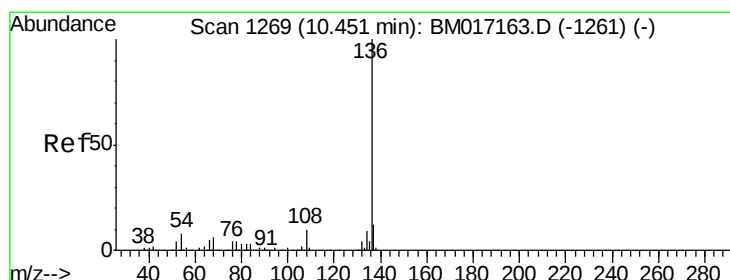
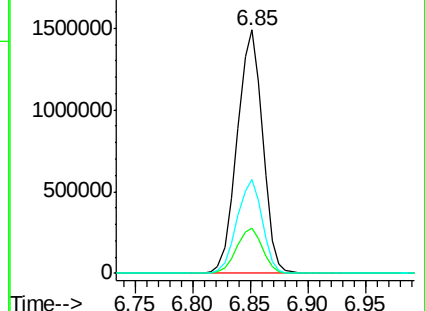
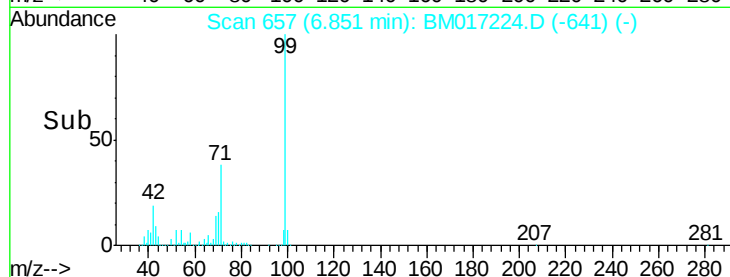
71 38.3 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM017163.D (-650) (-)

Ion 42.00 (41.70 to 42.70): BM017163.D (-650) (-)

Ion 71.00 (70.70 to 71.70): BM017163.D (-650) (-)



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.44 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

Tgt Ion: 136 Resp: 1146253

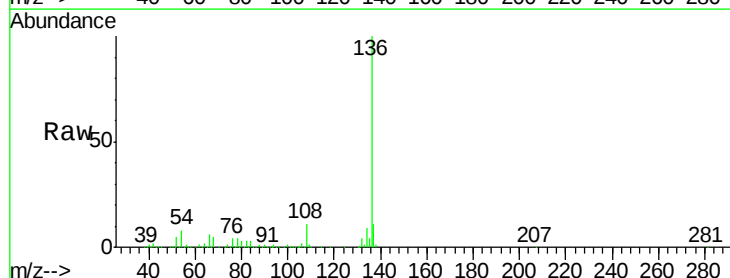
Ion Ratio Lower Upper

136 100

137 10.7 9.2 13.8

54 7.8 6.7 10.1

68 5.3 4.7 7.1

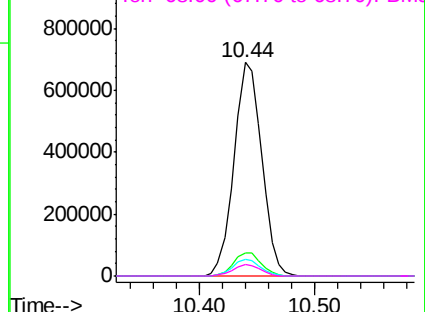
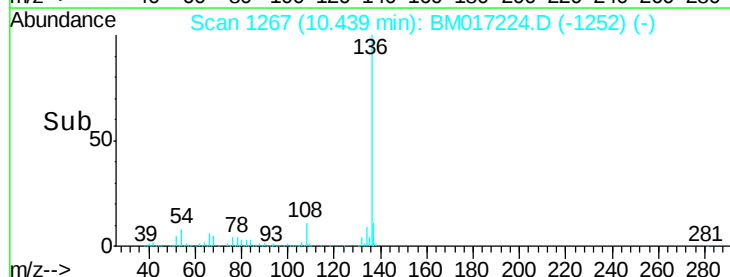


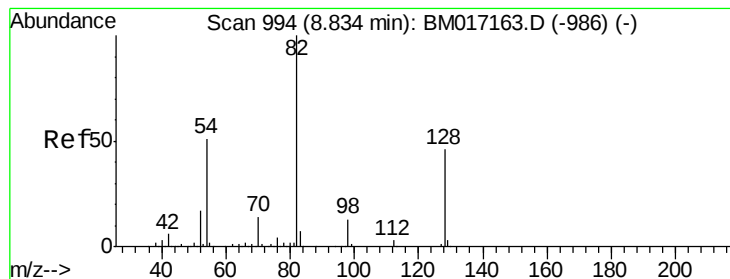
Abundance Ion 136.00 (135.70 to 136.70): BM017163.D (-1261) (-)

Ion 137.00 (136.70 to 137.70): BM017163.D (-1261) (-)

Ion 54.00 (53.70 to 54.70): BM017163.D (-1261) (-)

Ion 68.00 (67.70 to 68.70): BM017163.D (-1261) (-)





#23

Nitrobenzene-d5

Concen: 92.786 ng

RT: 8.82 min Scan# 992

Delta R.T. -0.01 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

Instrument :

BNA_M

ClientSampleId :

SU-03-101718-B

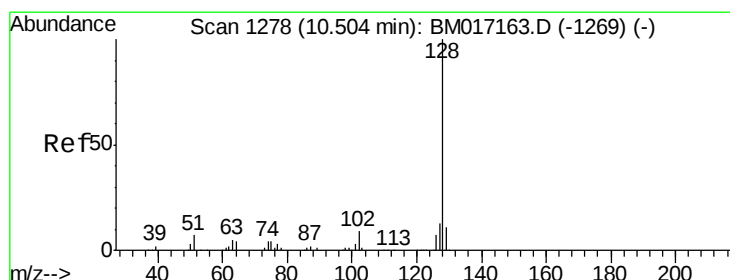
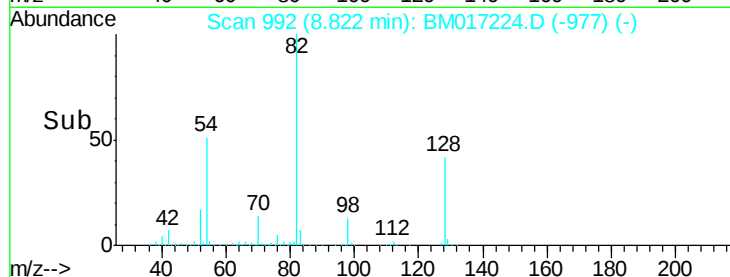
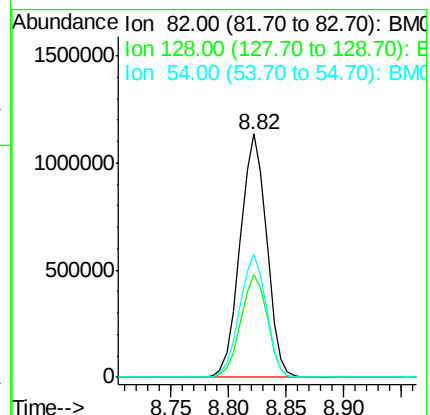
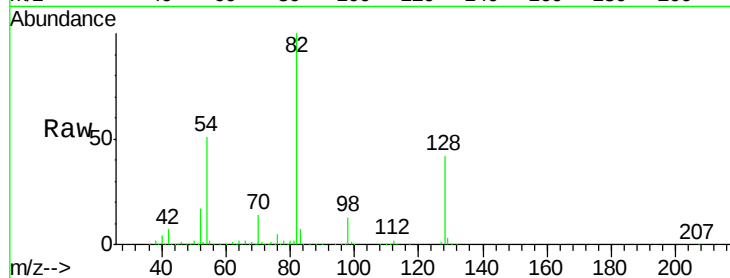
Tgt Ion: 82 Resp: 1818500

Ion Ratio Lower Upper

82 100

128 42.2 37.0 55.6

54 50.7 40.7 61.1



#31

Naphthalene

Concen: 12.435 ng

RT: 10.49 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

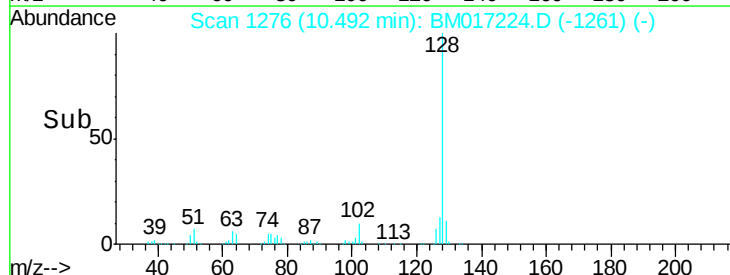
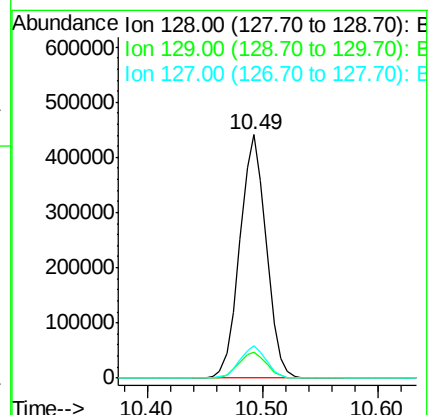
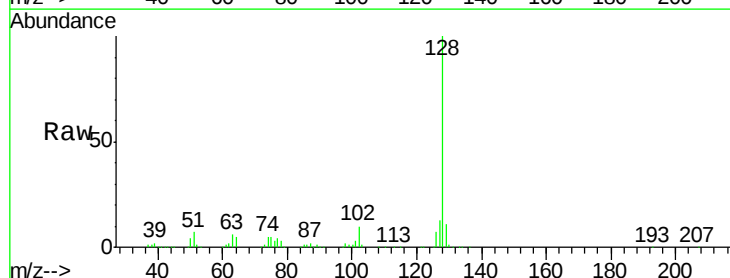
Tgt Ion: 128 Resp: 698490

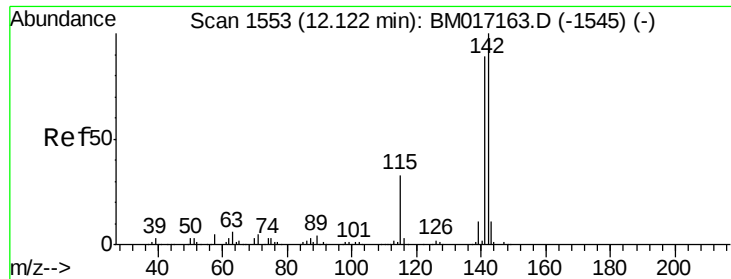
Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

127 13.2 10.3 15.5

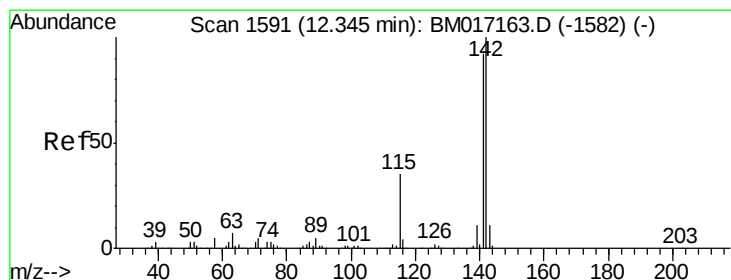
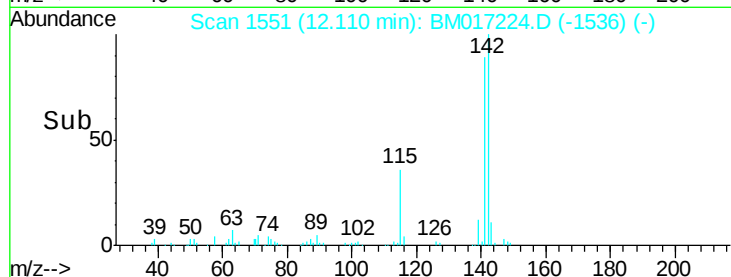
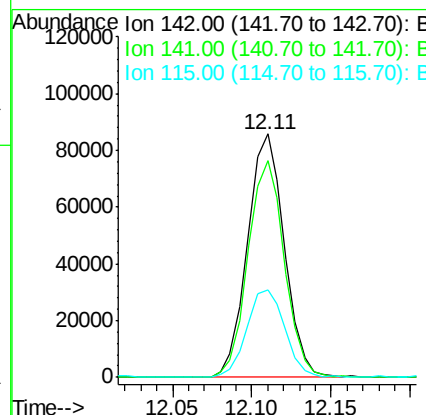
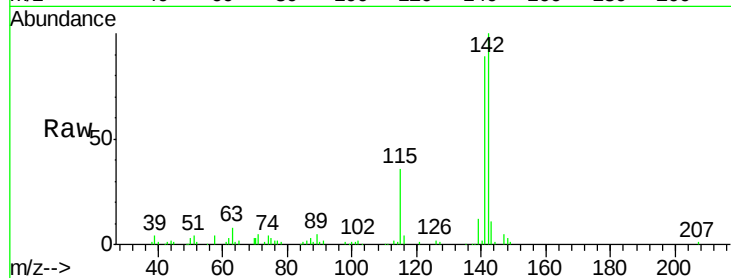




#37
 2-Methylnaphthalene
 Concen: 3.600 ng
 RT: 12.11 min Scan# 1551
 Delta R.T. -0.01 min
 Lab File: BM017224.D
 Acq: 19 Oct 2018 10:56

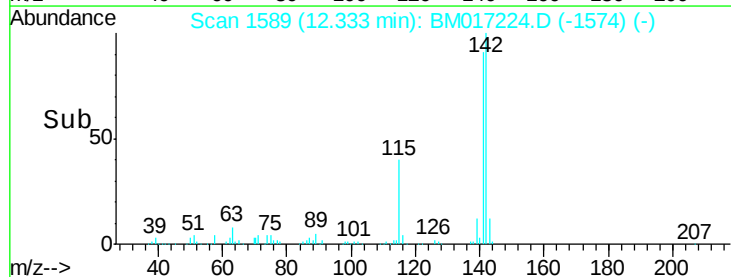
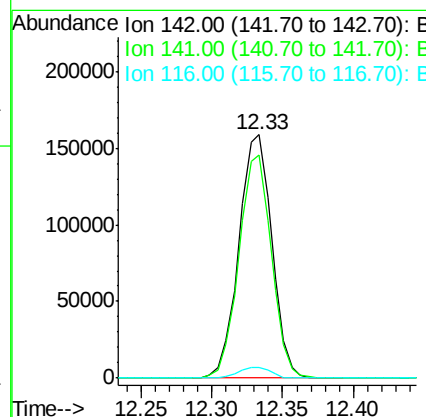
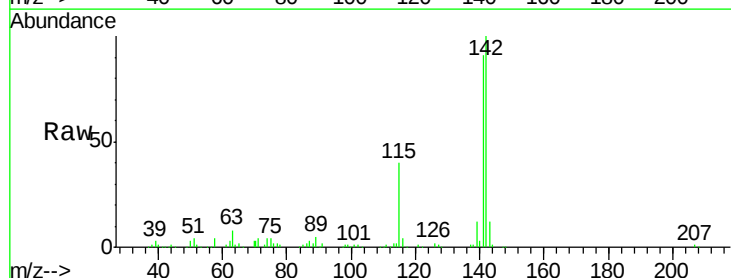
Instrument :
 BNA_M
 ClientSampleId :
 SU-03-101718-B

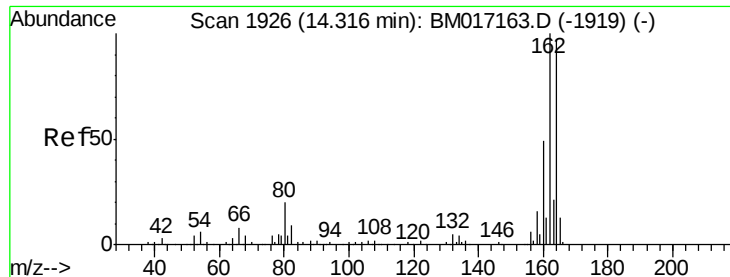
Tgt Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.9	106.3
115	36.1	26.4	39.6



#38
 1-Methylnaphthalene
 Concen: 6.921 ng
 RT: 12.33 min Scan# 1589
 Delta R.T. -0.01 min
 Lab File: BM017224.D
 Acq: 19 Oct 2018 10:56

Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.8	110.6
116	4.3	2.9	4.3#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.31 min Scan# 1925

Delta R.T. -0.01 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

Instrument :

BNA_M

ClientSampleId :

SU-03-101718-B

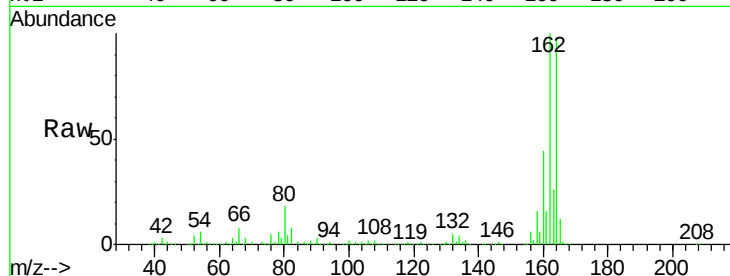
Tgt Ion:164 Resp: 676347

Ion Ratio Lower Upper

164 100

162 102.4 82.1 123.1

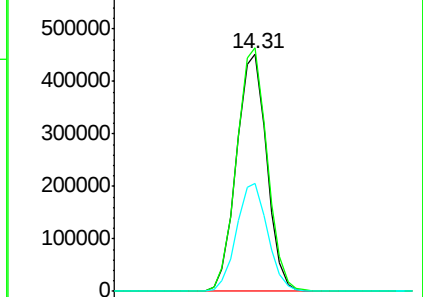
160 45.4 40.2 60.2



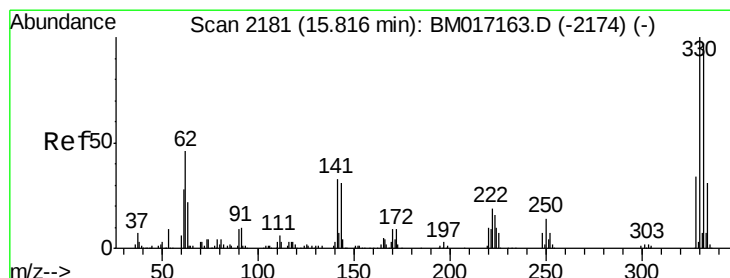
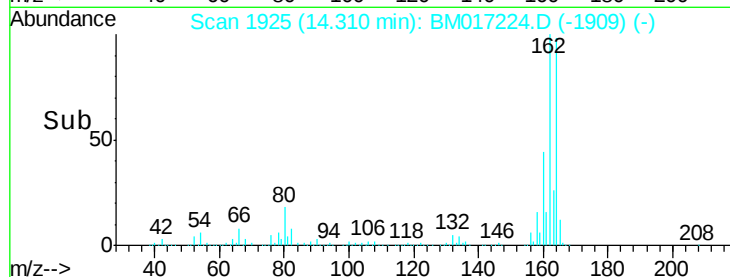
Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



Time-->



#42

2,4,6-Tribromophenol

Concen: 139.373 ng

RT: 15.80 min Scan# 2179

Delta R.T. -0.01 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

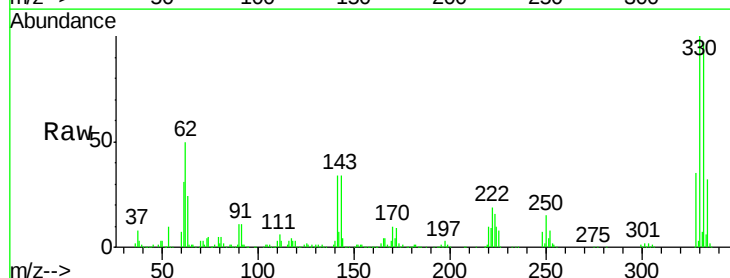
Tgt Ion:330 Resp: 1274790

Ion Ratio Lower Upper

330 100

332 96.8 77.3 115.9

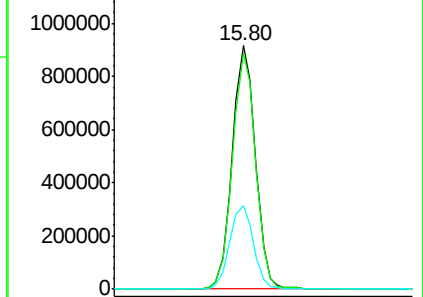
141 35.3 27.4 41.0



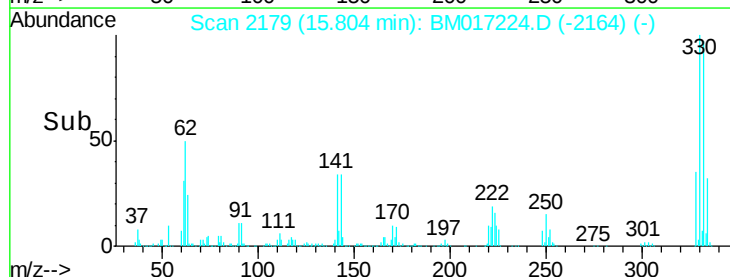
Abundance Ion 329.80 (329.50 to 330.50): E

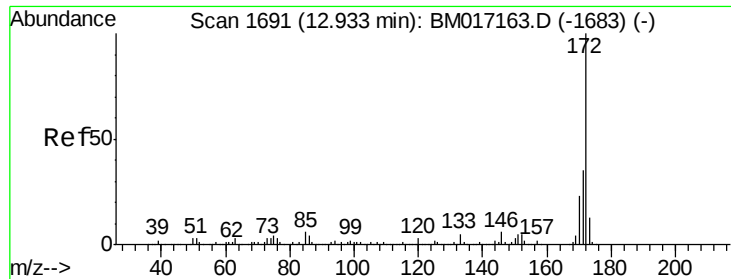
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



Time-->

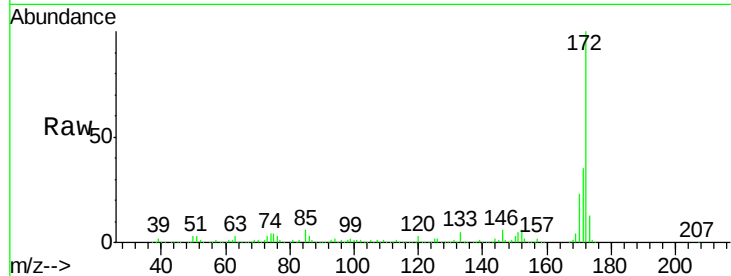




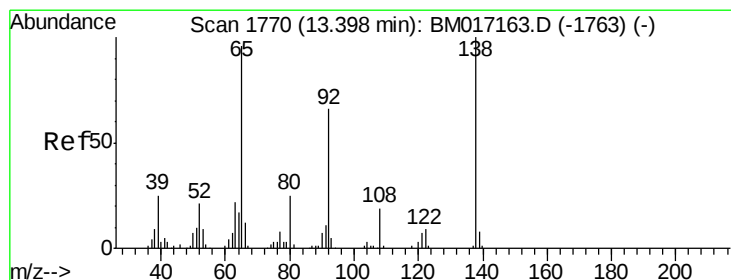
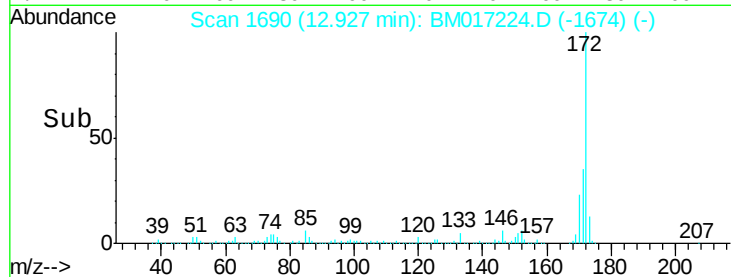
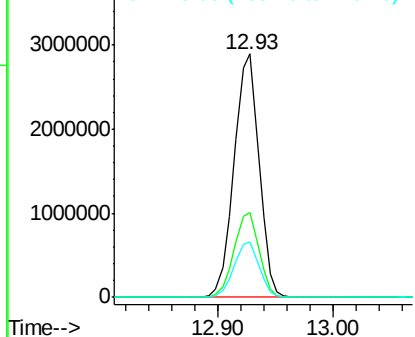
#45
2-Fluorobiphenyl
Concen: 85.152 ng
RT: 12.93 min Scan# 1690
Delta R.T. -0.01 min
Lab File: BM017224.D
Acq: 19 Oct 2018 10:56

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Tgt Ion: 172 Resp: 4328472
Ion Ratio Lower Upper
172 100
171 35.1 28.3 42.5
170 22.9 18.3 27.5

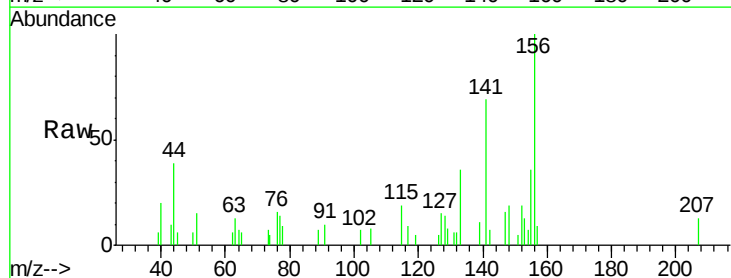


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

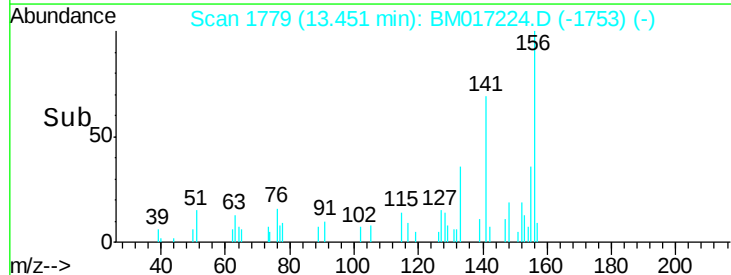
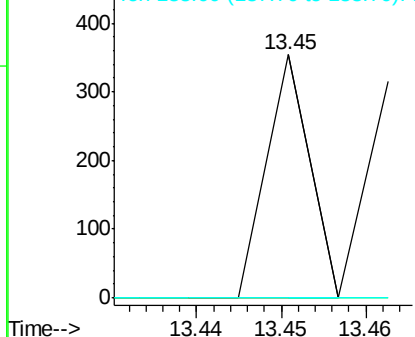


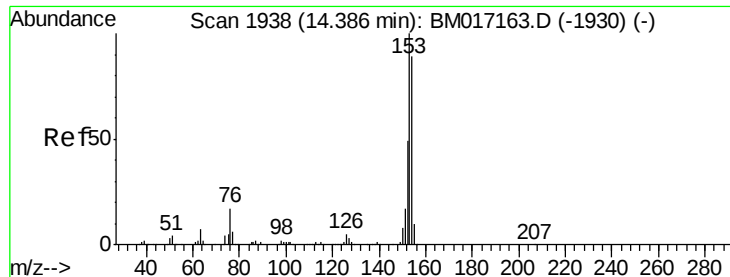
#48
2-Nitroaniline
Concen: 5.696 ng
RT: 13.45 min Scan# 1779
Delta R.T. 0.05 min
Lab File: BM017224.D
Acq: 19 Oct 2018 10:56

Tgt Ion: 65 Resp: 125
Ion Ratio Lower Upper
65 100
92 0.0 54.9 82.3#
138 0.0 83.7 125.5#



Abundance Ion 65.00 (64.70 to 65.70): BM0
Ion 92.00 (91.70 to 92.70): BM0
Ion 138.00 (137.70 to 138.70): E





#52

Acenaphthene

Concen: 3.222 ng

RT: 14.37 min Scan# 1936

Delta R.T. -0.01 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

Instrument :

BNA_M

ClientSampleId :

SU-03-101718-B

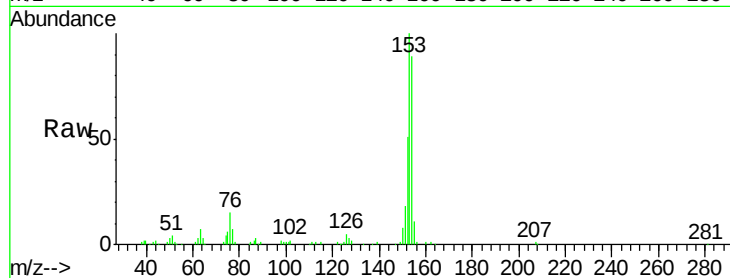
Tgt Ion:154 Resp: 131296

Ion Ratio Lower Upper

154 100

153 112.4 90.2 135.2

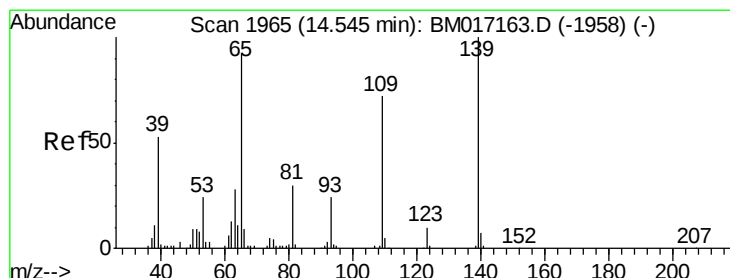
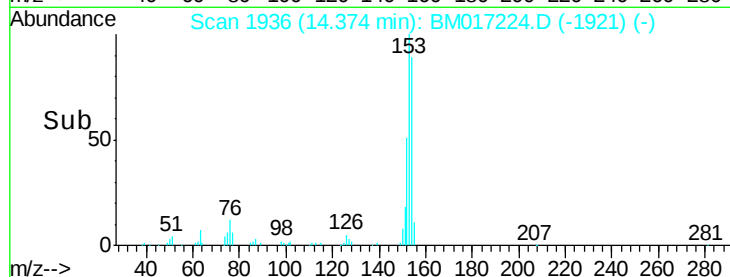
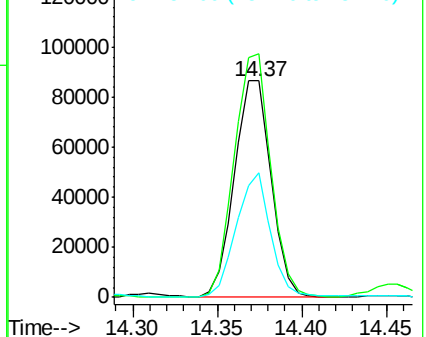
152 57.5 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#56

4-Nitrophenol

Concen: 4.727 ng

RT: 14.61 min Scan# 1976

Delta R.T. 0.06 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

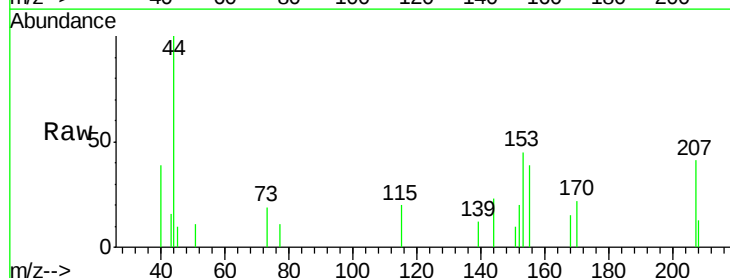
Tgt Ion:139 Resp: 125

Ion Ratio Lower Upper

139 100

109 0.0 51.8 91.8#

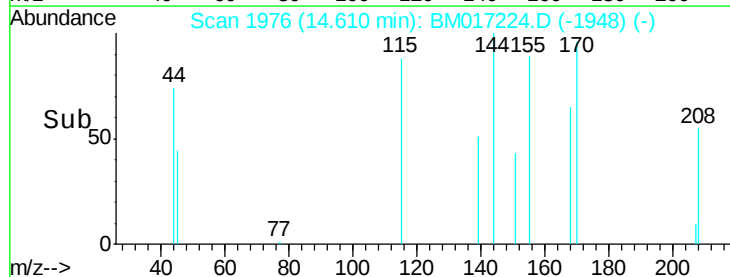
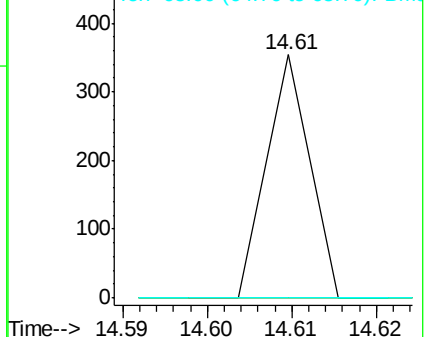
65 0.0 72.1 112.1#

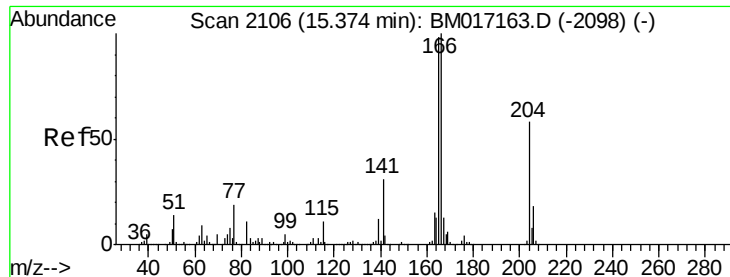


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BM





#58

Fluorene

Concen: 3.476 ng

RT: 15.36 min Scan# 2104

Delta R.T. -0.01 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

Instrument :

BNA_M

ClientSampleId :

SU-03-101718-B

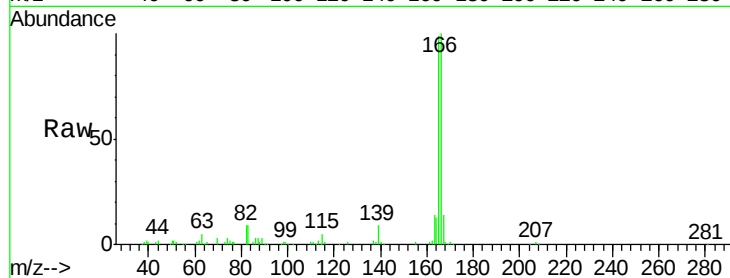
Tgt Ion:166 Resp: 174357

Ion Ratio Lower Upper

166 100

165 98.8 78.1 117.1

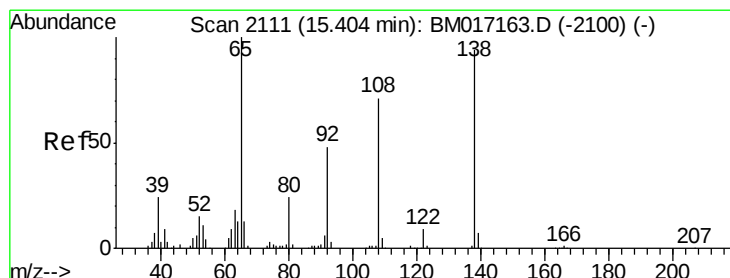
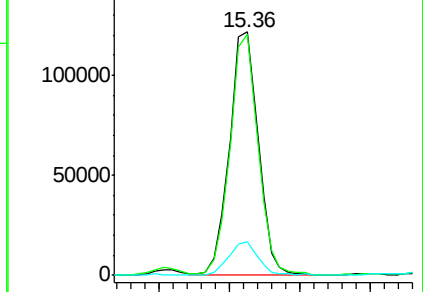
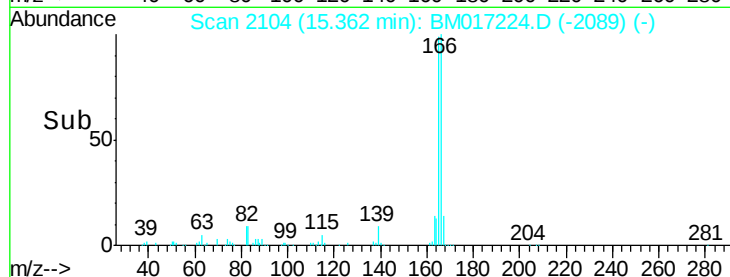
167 13.9 10.6 16.0



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



#62

4-Nitroaniline

Concen: 4.852 ng

RT: 15.36 min Scan# 2103

Delta R.T. -0.05 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

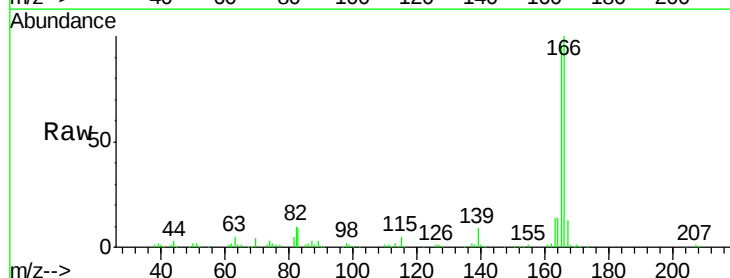
Tgt Ion:138 Resp: 1495

Ion Ratio Lower Upper

138 100

92 0.0 31.2 71.2#

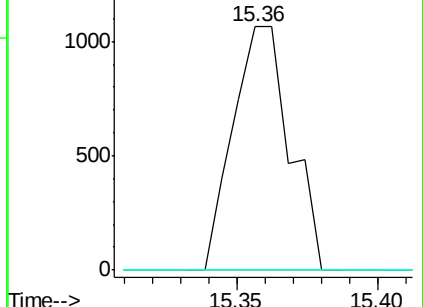
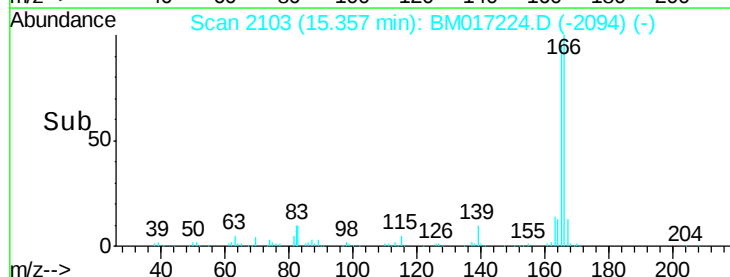
108 0.0 55.5 95.5#

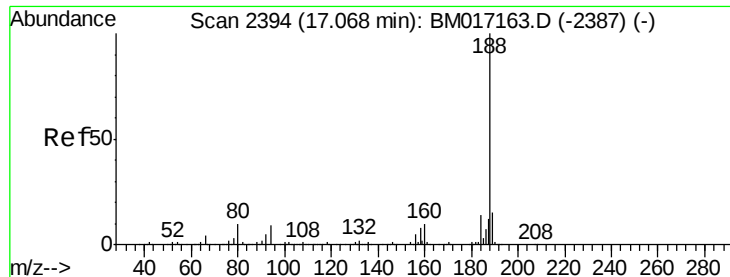


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BM0

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.06 min Scan# 2392

Delta R.T. -0.01 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

Instrument :

BNA_M

ClientSampleId :

SU-03-101718-B

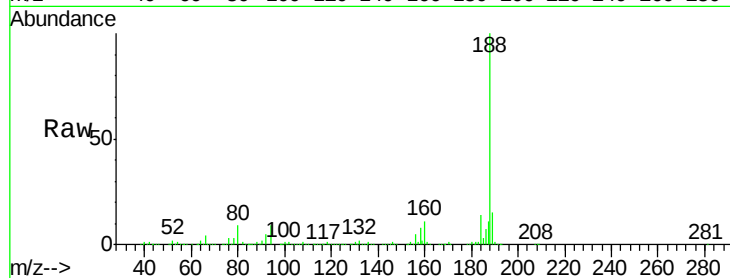
Tgt Ion:188 Resp: 1598026

Ion Ratio Lower Upper

188 100

94 8.6 7.0 10.4

80 9.0 7.7 11.5



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

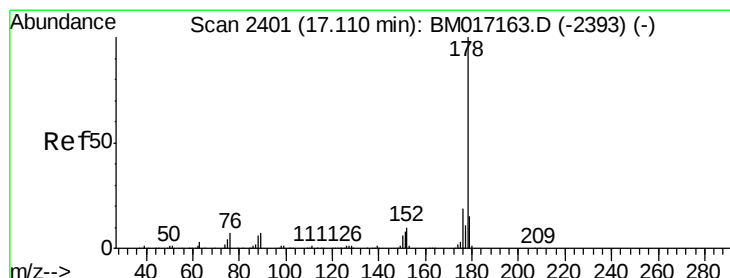
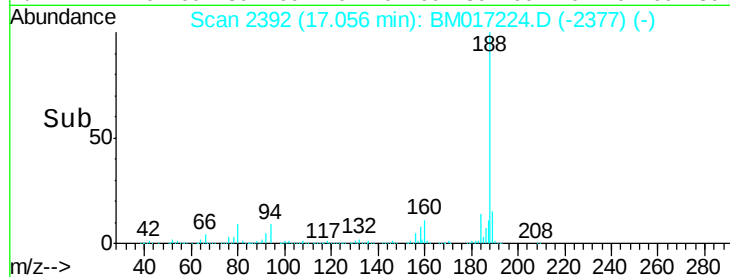
17.06

1000000

500000

0

Time-->



#71

Phenanthrene

Concen: 4.622 ng

RT: 17.10 min Scan# 2399

Delta R.T. -0.01 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

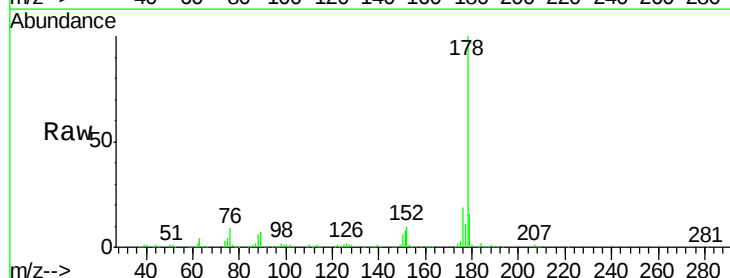
Tgt Ion:178 Resp: 398513

Ion Ratio Lower Upper

178 100

176 19.0 15.0 22.6

179 15.6 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

17.10

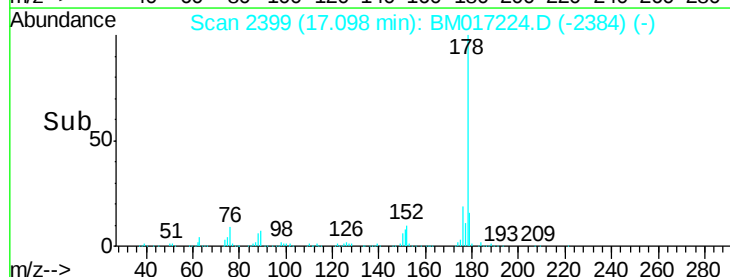
300000

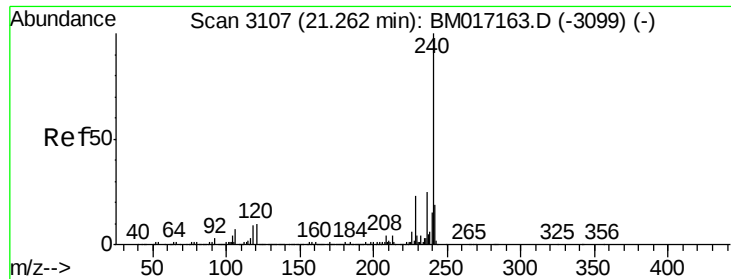
200000

100000

0

Time-->

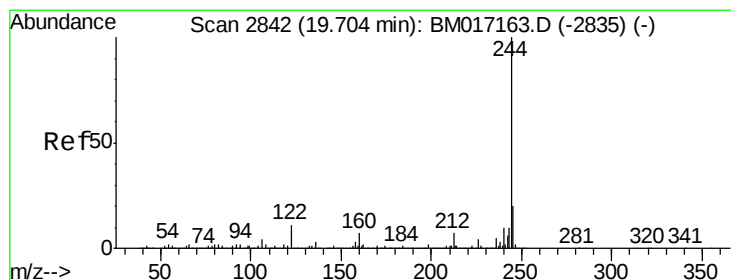
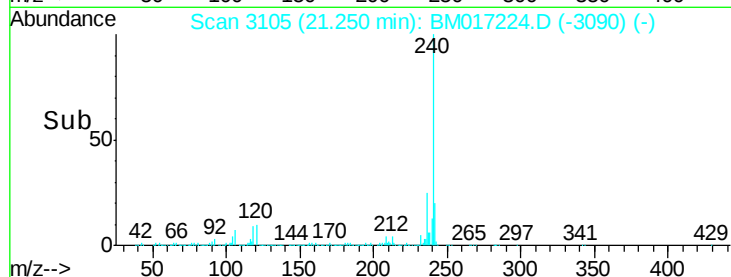
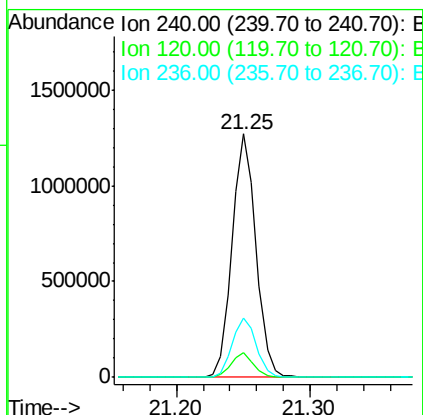
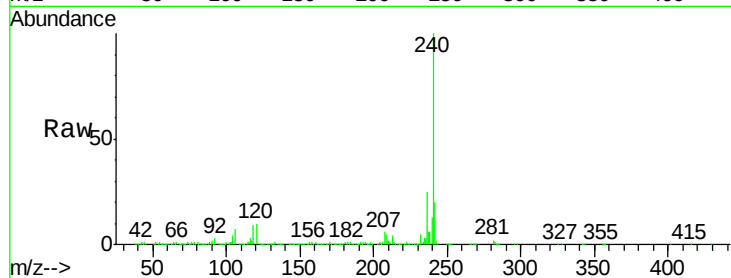




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.25 min Scan# 3105
Delta R.T. -0.01 min
Lab File: BM017224.D
Acq: 19 Oct 2018 10:56

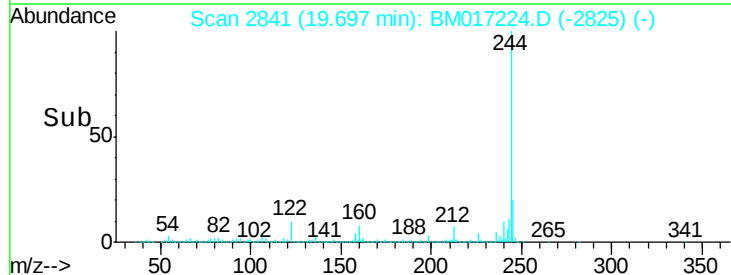
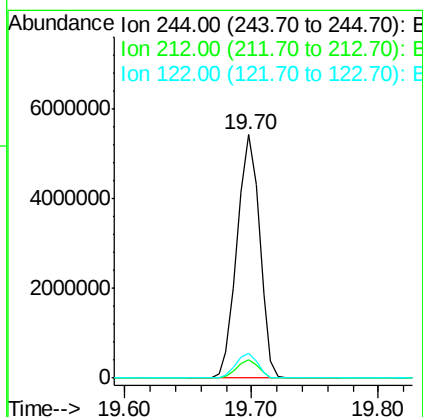
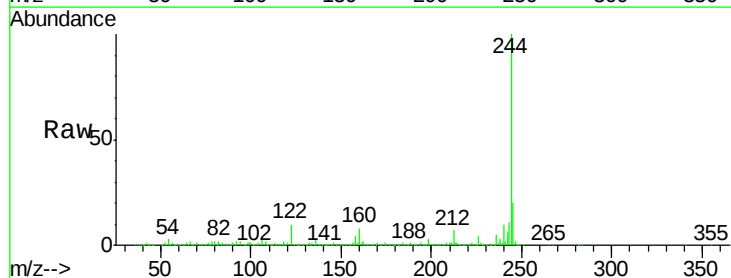
Instrument :
BNA_M
ClientSampleId :
SU-03-101718-B

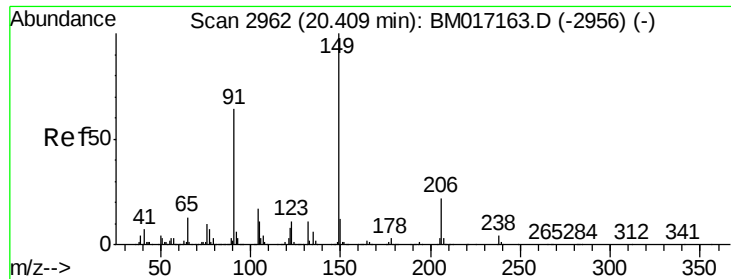
Tgt Ion:240 Resp: 1590734
Ion Ratio Lower Upper
240 100
120 9.9 8.1 12.1
236 24.5 19.9 29.9



#79
Terphenyl-d14
Concen: 94.785 ng
RT: 19.70 min Scan# 2841
Delta R.T. -0.01 min
Lab File: BM017224.D
Acq: 19 Oct 2018 10:56

Tgt Ion:244 Resp: 6689308
Ion Ratio Lower Upper
244 100
212 7.4 5.5 8.3
122 10.2 8.4 12.6

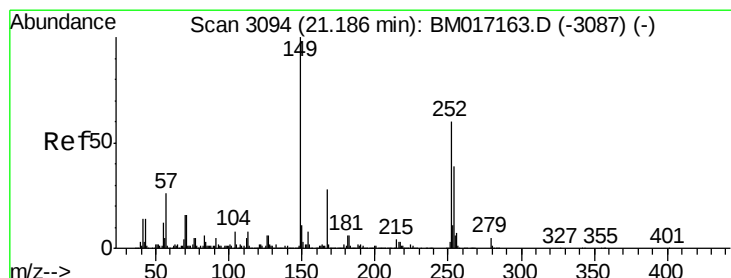
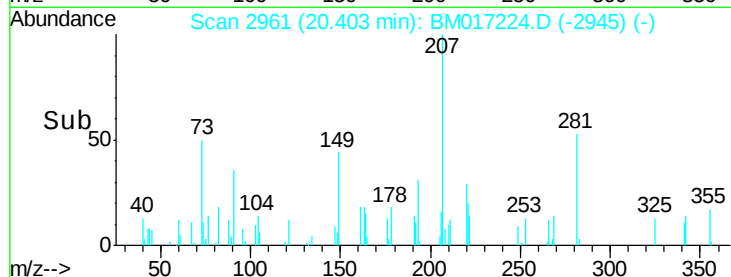
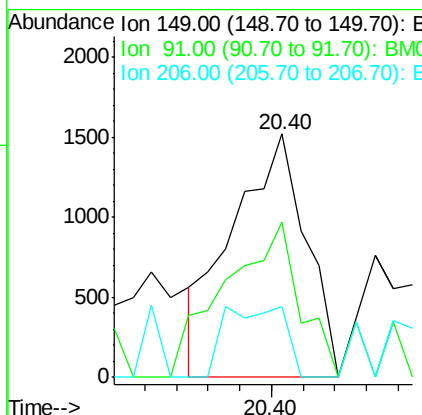
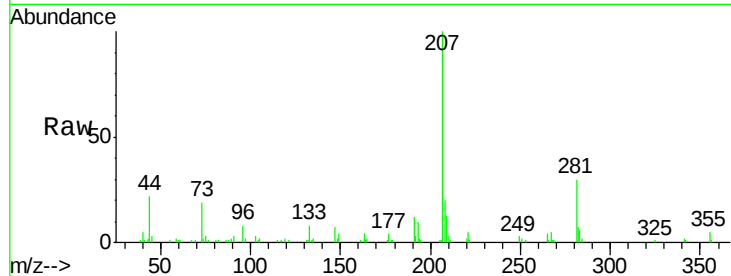




#80
 Butylbenzylphthalate
 Concen: 7.237 ng
 RT: 20.40 min Scan# 2961
 Delta R.T. -0.01 min
 Lab File: BM017224.D
 Acq: 19 Oct 2018 10:56

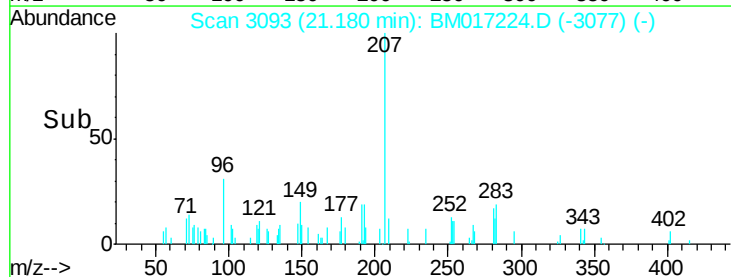
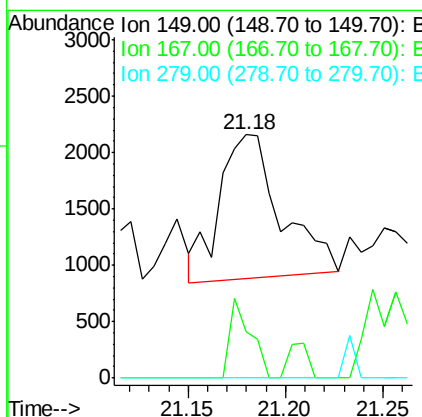
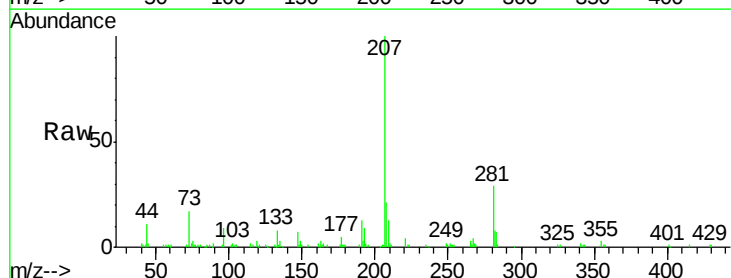
Instrument :
 BNA_M
 ClientSampleId :
 SU-03-101718-B

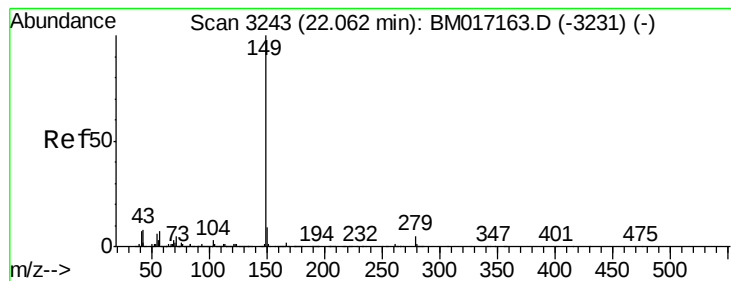
Tgt Ion:149 Resp: 2449
 Ion Ratio Lower Upper
 149 100
 91 63.7 51.3 76.9
 206 28.9 18.0 27.0#



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.356 ng
 RT: 21.18 min Scan# 3093
 Delta R.T. -0.01 min
 Lab File: BM017224.D
 Acq: 19 Oct 2018 10:56

Tgt Ion:149 Resp: 2803
 Ion Ratio Lower Upper
 149 100
 167 19.1 22.2 33.4#
 279 0.0 3.6 5.4#





#85

Di-n-octyl phthalate

Concen: 5.595 ng

RT: 22.05 min Scan# 3241

Delta R.T. -0.01 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

Instrument :

BNA_M

ClientSampleId :

SU-03-101718-B

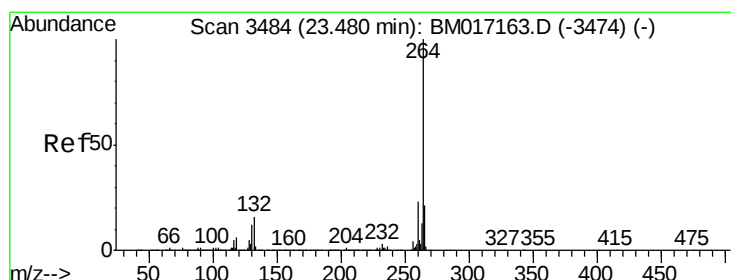
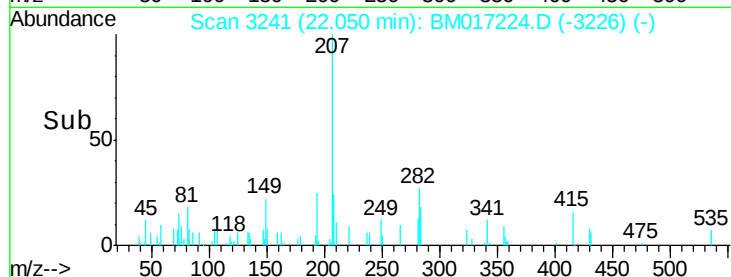
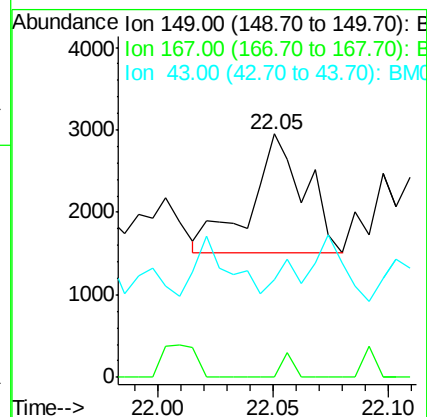
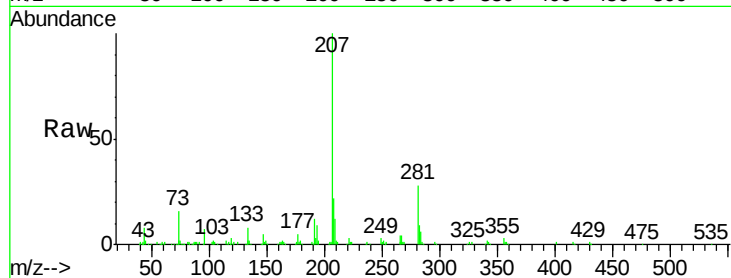
Tgt Ion:149 Resp: 2315

Ion Ratio Lower Upper

149 100

167 4.6 1.4 2.0#

43 0.0 7.2 10.8#



#87

Perylene-d12

Concen: 20.000 ng

RT: 23.47 min Scan# 3482

Delta R.T. -0.01 min

Lab File: BM017224.D

Acq: 19 Oct 2018 10:56

Tgt Ion:264 Resp: 1430109

Ion Ratio Lower Upper

264 100

260 22.4 18.6 27.8

265 21.8 17.8 26.8

