

Data File : BM018526.D
Acq On : 11 Jan 2019 01:41
Operator : JU/SJ
Sample : K1099-17
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_M
ClientSampleId :
TP-19-20

Quant Time: Jan 11 03:32:02 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_M\METHODS\8270-BM010919.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Jan 10 05:57:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.76	152	784117	20.00	ng	0.00
21) Naphthalene-d8	10.55	136	3199203	20.00	ng	0.00
39) Acenaphthene-d10	14.40	164	1763445	20.00	ng	0.00
64) Phenanthrene-d10	17.16	188	3686766	20.00	ng	0.00
76) Chrysene-d12	21.35	240	2798830	20.00	ng	0.00
87) Perylene-d12	23.64	264	2635139	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.35	112	5986493	140.97	ng	0.00
7) Phenol-d6	6.95	99	7831312	145.20	ng	0.01
23) Nitrobenzene-d5	8.93	82	4885999	88.54	ng	0.00
42) 2,4,6-Tribromophenol	15.90	330	3146714	140.14	ng	0.00
45) 2-Fluorobiphenyl	13.03	172	10861779	80.37	ng	0.00
79) Terphenyl-d14	19.79	244	11594023	87.32	ng	0.00

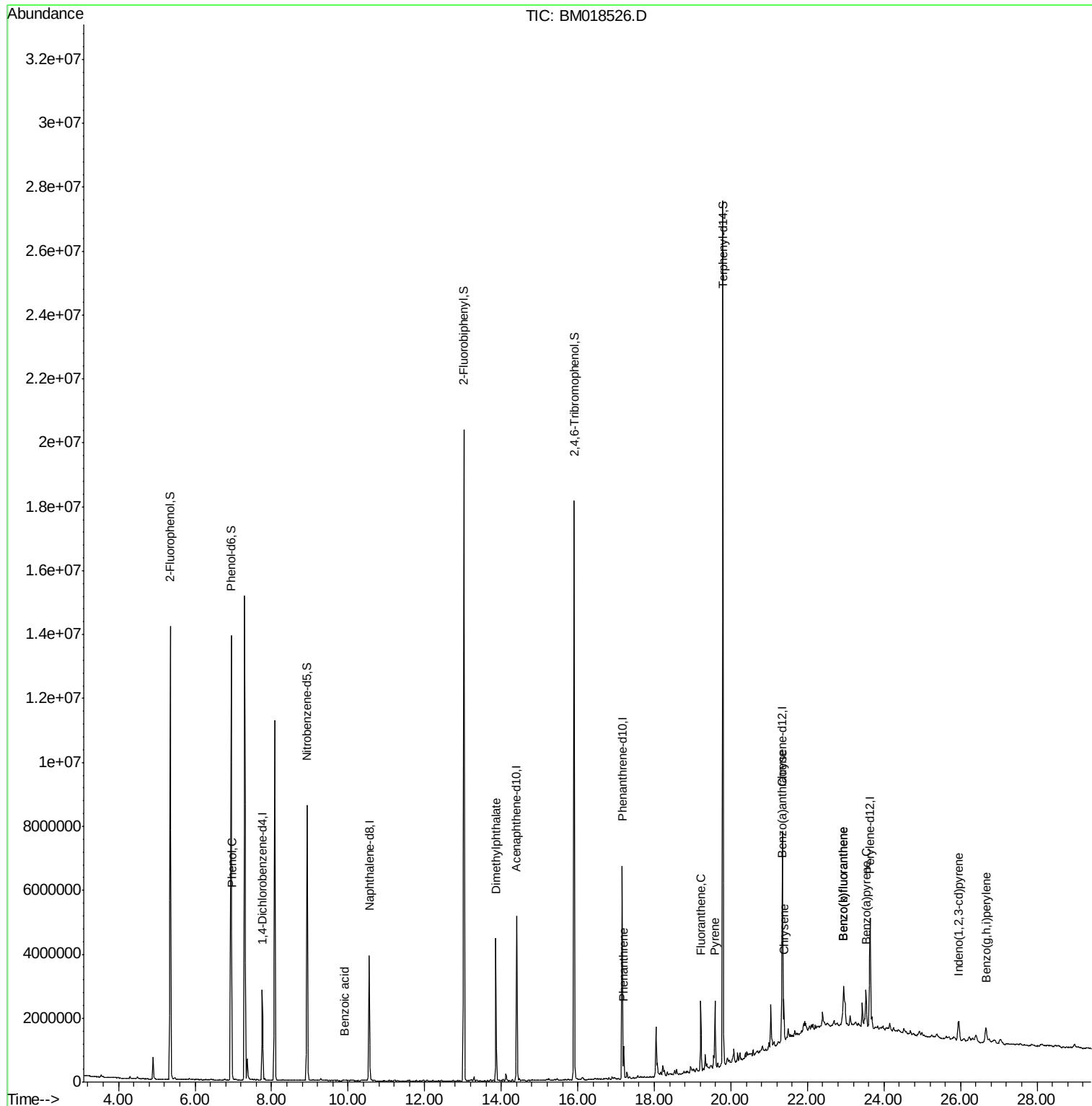
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.96	94	129220	2.358	ng	# 70
32) Benzoic acid	9.92	122	118	6.506	ng	# 10
50) Dimethylphthalate	13.87	163	2908420	20.082	ng	100
71) Phenanthrene	17.20	178	583776	2.977	ng	99
75) Fluoranthene	19.22	202	1282804	5.674	ng	98
78) Pyrene	19.58	202	1299739	7.834	ng	99
81) Benzo(a)anthracene	21.33	228	736623	4.468	ng	96
83) Chrysene	21.39	228	712621	4.476	ng	97
86) Indeno(1,2,3-cd)pyrene	25.94	276	609758	3.321	ng	# 91
88) Benzo(b)fluoranthene	22.94	252	1075422	7.189	ng	97
89) Benzo(k)fluoranthene	22.94	252	1070608	7.101	ng	97
90) Benzo(a)pyrene	23.53	252	808326	5.644	ng	99
92) Benzo(g,h,i)perylene	26.66	276	602104	4.264	ng	98

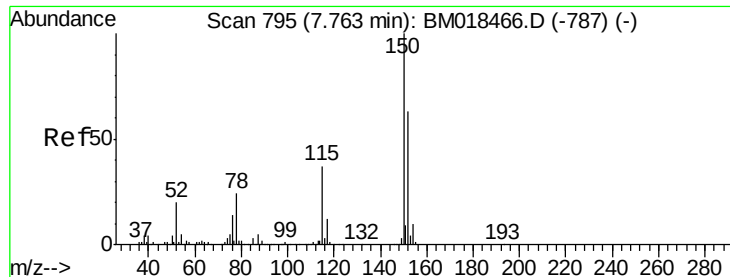
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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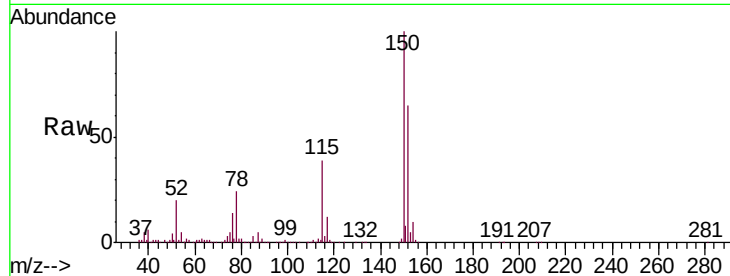


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Instrument :
BNA_M
ClientSampled :
TP-19-20

Tgt Ion	Ratio	Lower	Upper
152	100		
150	154.8	126.9	190.3
115	59.7	45.5	68.3

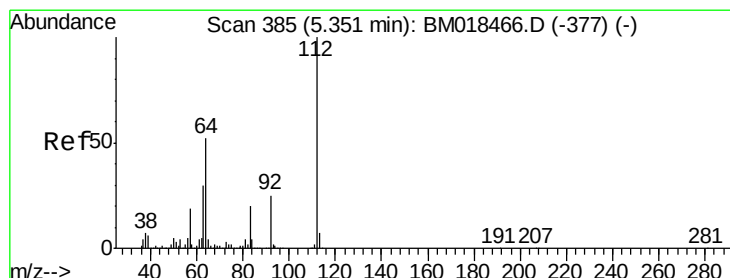
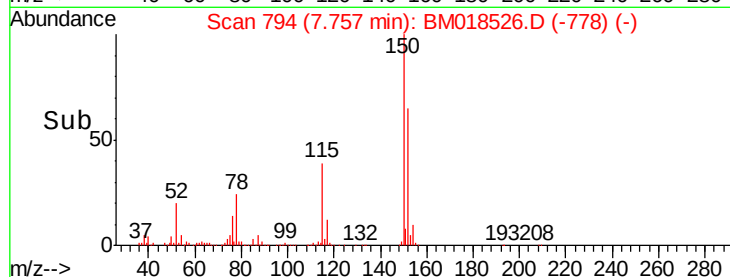
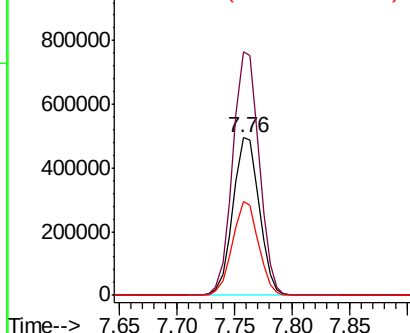


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

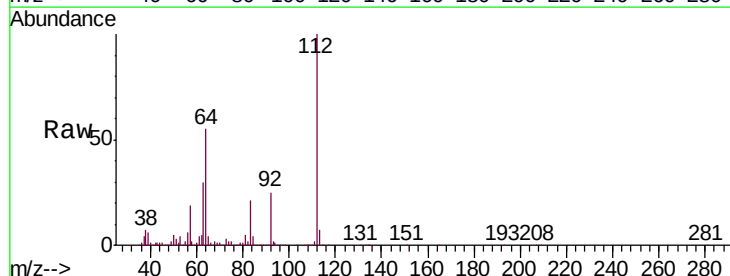
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 140.974 ng
RT: 5.35 min Scan# 385
Delta R.T. -0.00 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	55.0	46.5	69.7
63	29.9	25.2	37.8

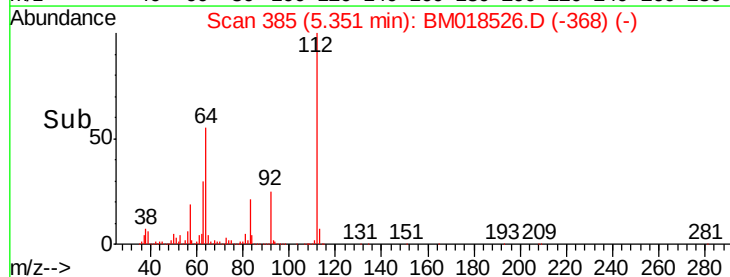
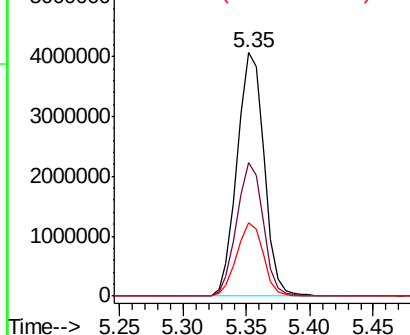


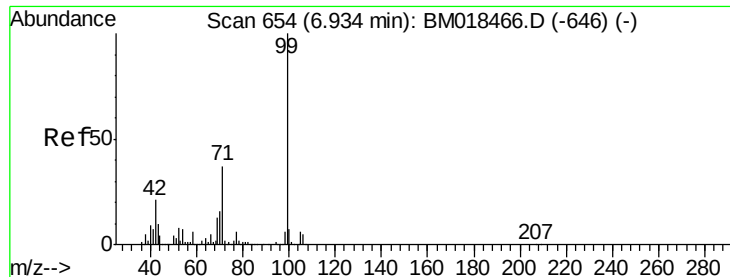
Abundance

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: 145.197 ng

RT: 6.95 min Scan# 656

Delta R.T. 0.01 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Instrument :

BNA_M

ClientSampleId :

TP-19-20

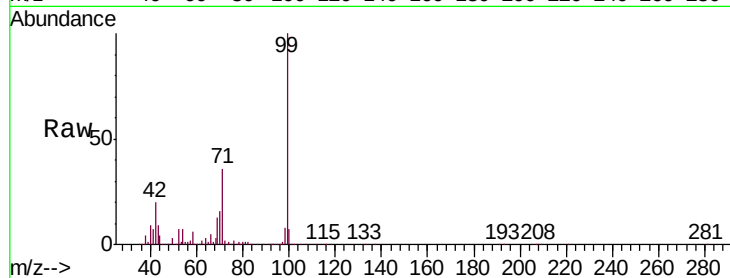
Tgt Ion: 99 Resp: 7831312

Ion Ratio Lower Upper

99 100

42 19.8 17.3 25.9

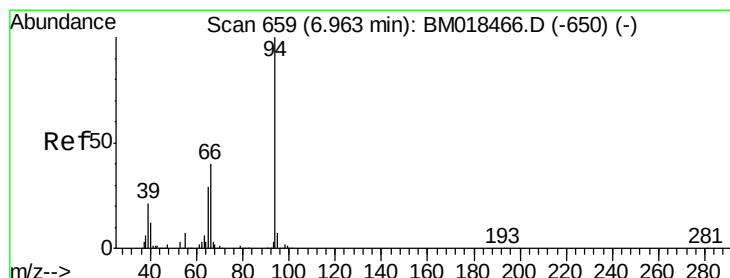
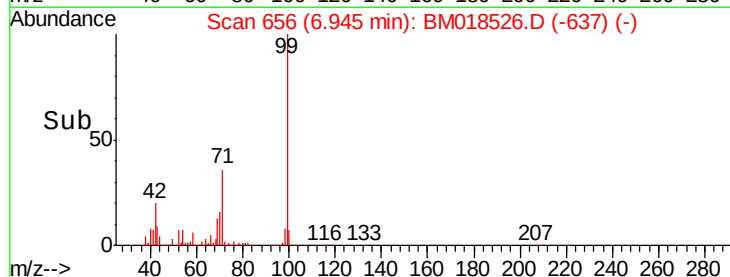
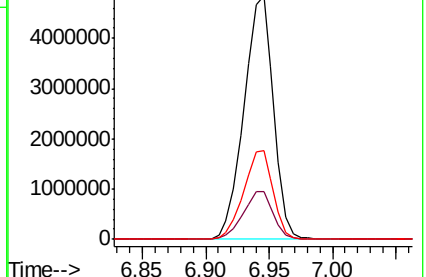
71 36.3 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BM018466.D (-646) (-)

Ion 42.00 (41.70 to 42.70): BM018466.D (-646) (-)

Ion 71.00 (70.70 to 71.70): BM018466.D (-646) (-)



#10

Phenol

Concen: 2.358 ng

RT: 6.96 min Scan# 659

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

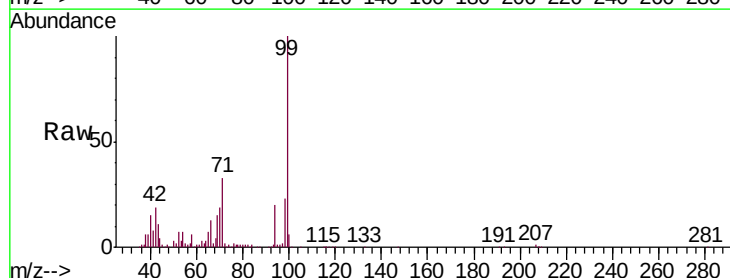
Tgt Ion: 94 Resp: 129220

Ion Ratio Lower Upper

94 100

65 35.9 9.4 49.4

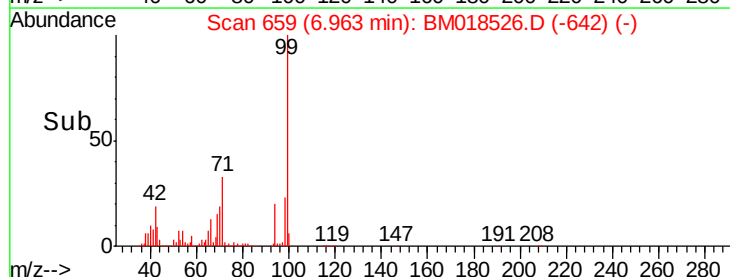
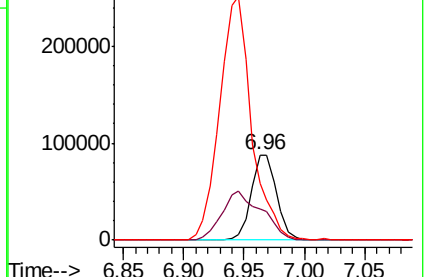
66 65.9 19.1 59.1#

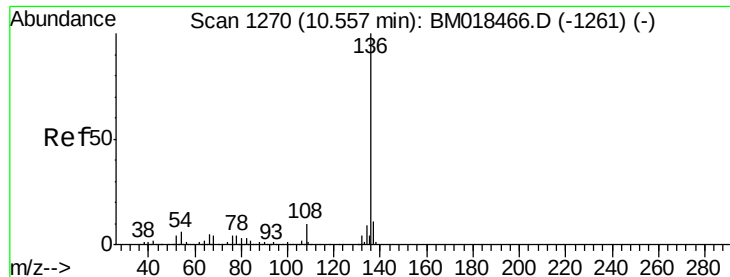


Abundance Ion 94.00 (93.70 to 94.70): BM018466.D (-650) (-)

Ion 65.00 (64.70 to 65.70): BM018466.D (-650) (-)

Ion 66.00 (65.70 to 66.70): BM018466.D (-650) (-)





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.55 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Instrument :

BNA_M

ClientSampleId :

TP-19-20

Tgt Ion:136 Resp: 3199203

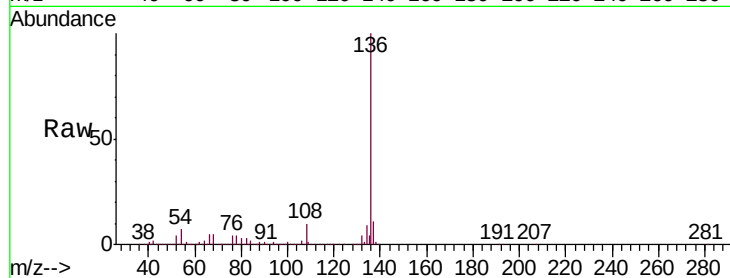
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 6.5 6.0 9.0

68 4.6 4.5 6.7

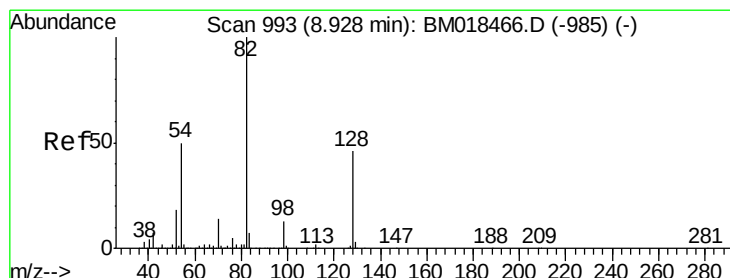
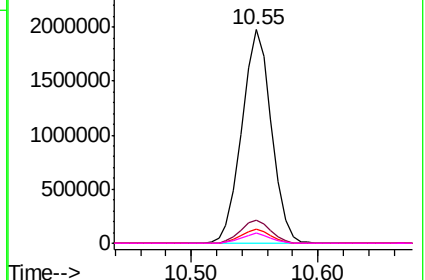
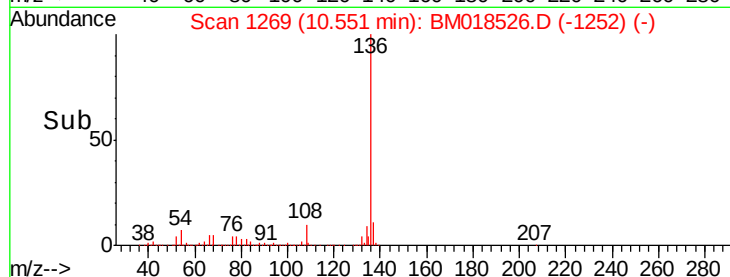


Abundance Ion 136.00 (135.70 to 136.70): E

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



#23

Nitrobenzene-d5

Concen: 88.536 ng

RT: 8.93 min Scan# 993

Delta R.T. 0.01 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

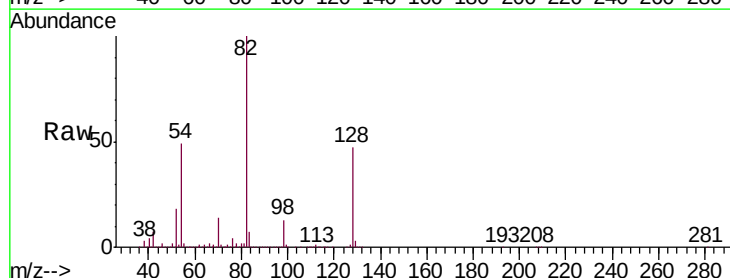
Tgt Ion: 82 Resp: 4885999

Ion Ratio Lower Upper

82 100

128 46.9 36.3 54.5

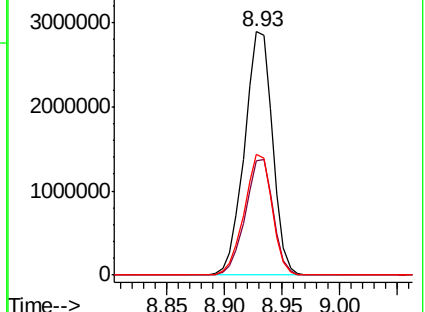
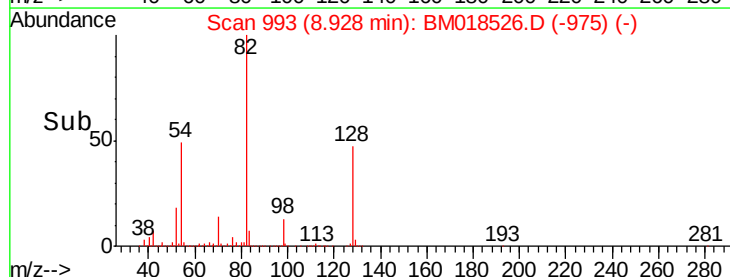
54 49.4 41.7 62.5

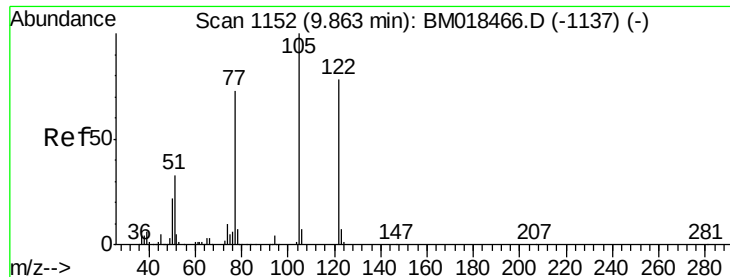


Abundance Ion 82.00 (81.70 to 82.70): BM

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BM

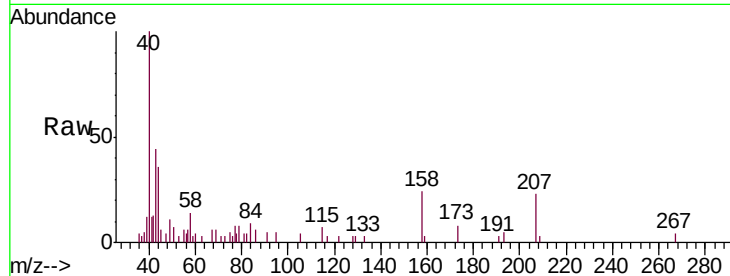




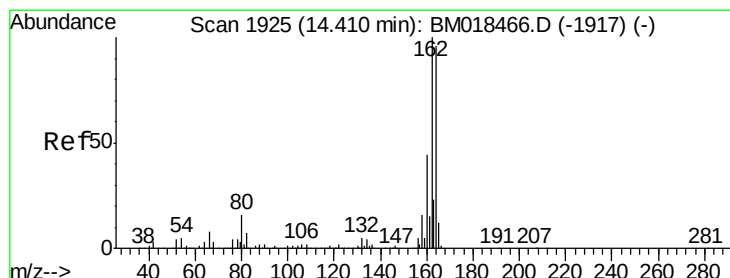
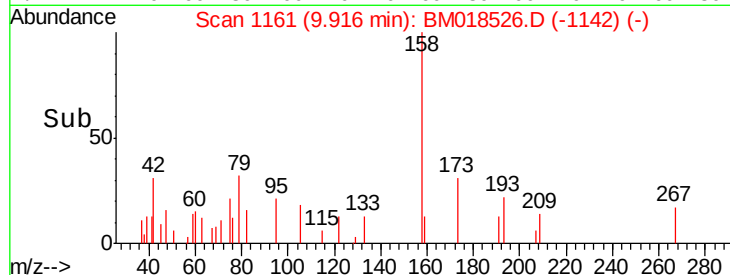
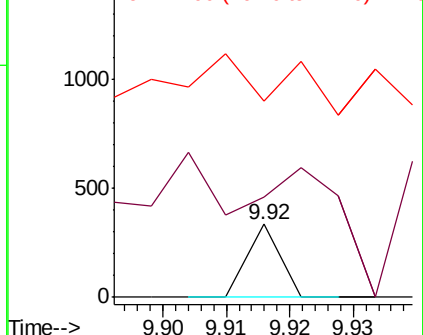
#32
Benzoic acid
Concen: 6.506 ng
RT: 9.92 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Instrument :
BNA_M
ClientSampled :
TP-19-20

Tgt Ion:122 Resp: 118
Ion Ratio Lower Upper
122 100
105 138.3 100.4 140.4
77 269.8 71.7 111.7#

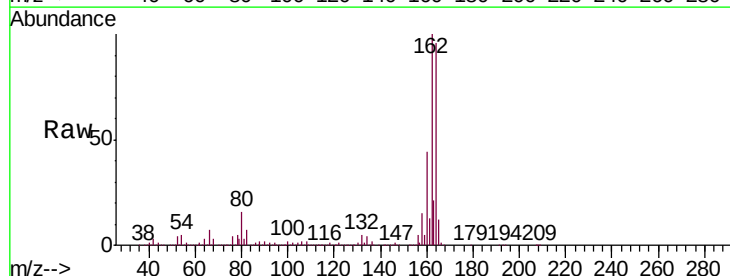


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BM

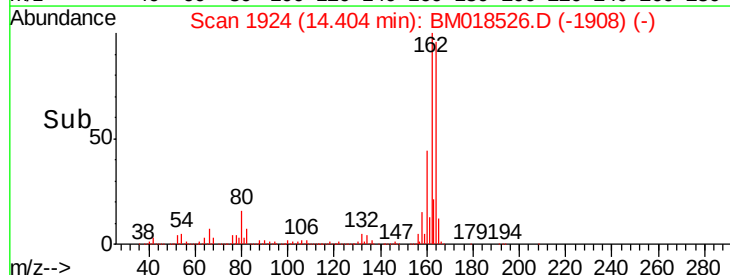
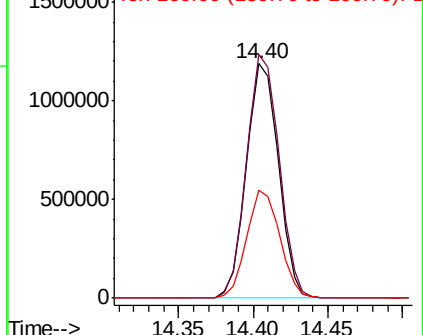


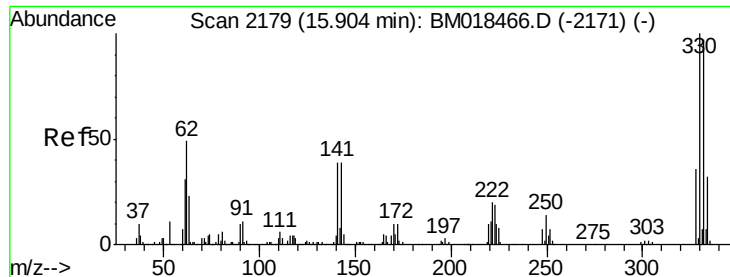
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.40 min Scan# 1924
Delta R.T. -0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion:164 Resp: 1763445
Ion Ratio Lower Upper
164 100
162 103.9 83.0 124.4
160 46.2 37.1 55.7



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: 140.143 ng

RT: 15.90 min Scan# 2179

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Instrument :

BNA_M

ClientSampleId :

TP-19-20

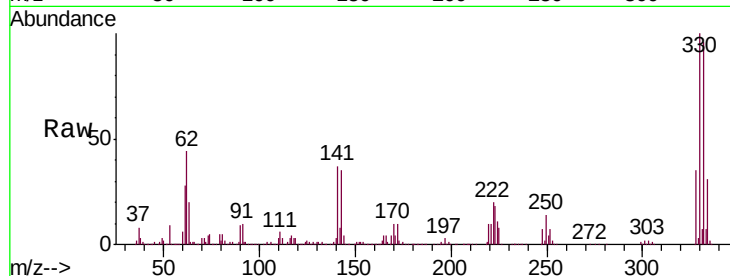
Tgt Ion:330 Resp: 3146714

Ion Ratio Lower Upper

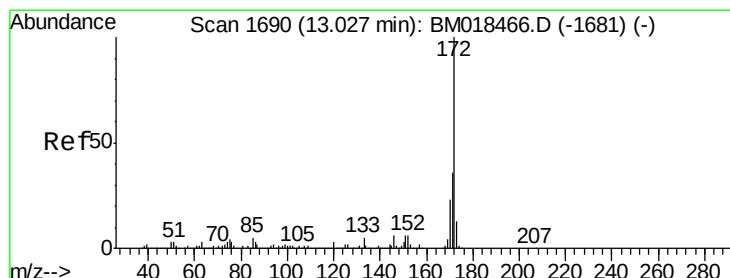
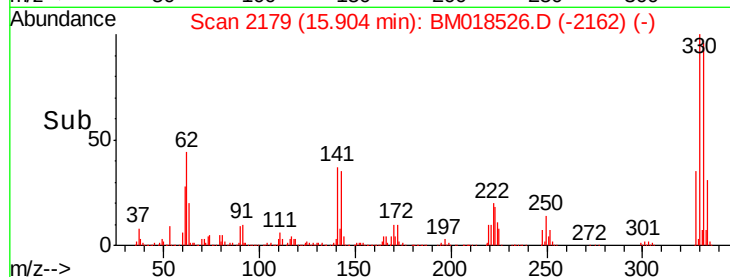
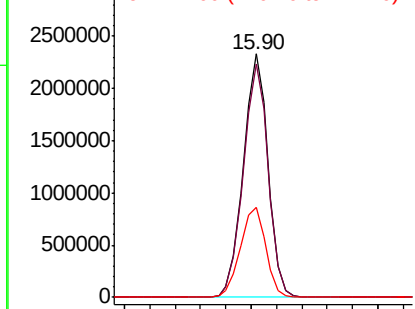
330 100

332 96.7 77.6 116.4

141 37.9 31.7 47.5



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: 80.372 ng

RT: 13.03 min Scan# 1690

Delta R.T. 0.01 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

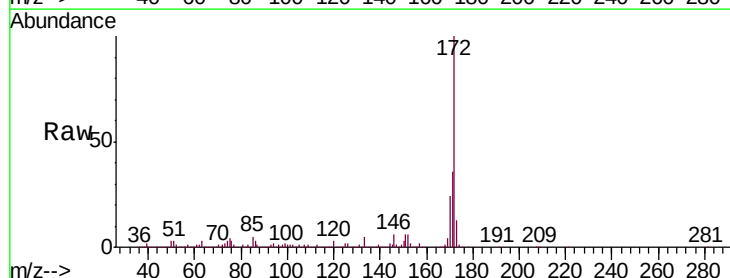
Tgt Ion:172 Resp:10861779

Ion Ratio Lower Upper

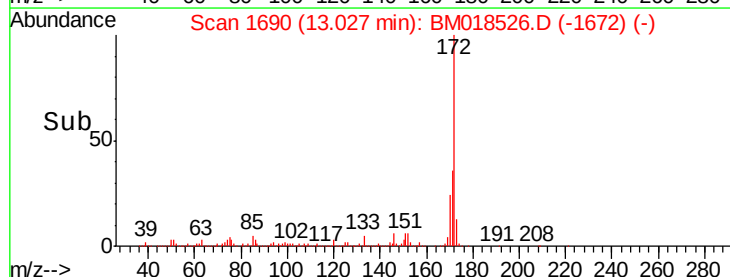
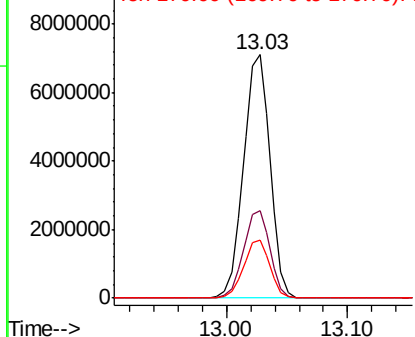
172 100

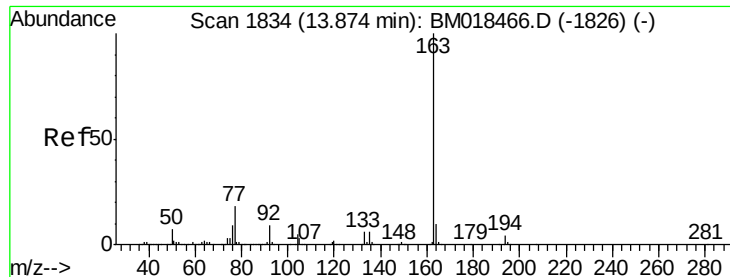
171 36.1 28.2 42.4

170 23.6 18.9 28.3



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





#50

Dimethylphthalate

Concen: 20.082 ng

RT: 13.87 min Scan# 1833

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Instrument :

BNA_M

ClientSampled :

TP-19-20

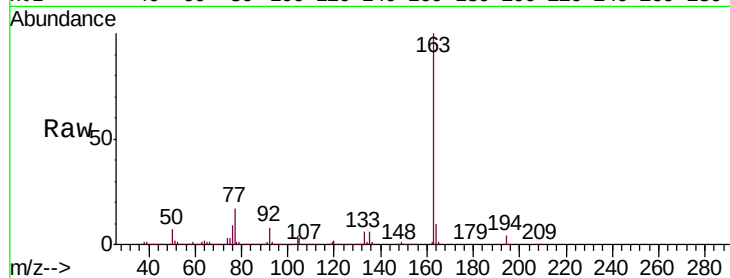
Tgt Ion:163 Resp: 2908420

Ion Ratio Lower Upper

163 100

194 4.0 3.0 4.6

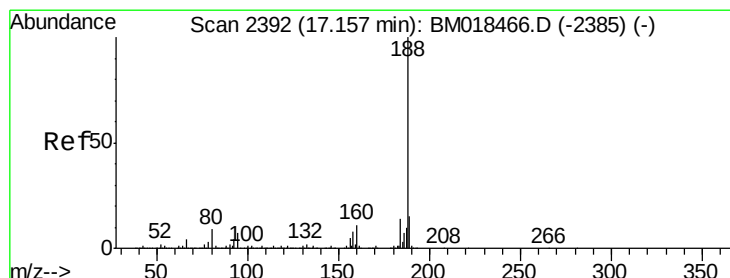
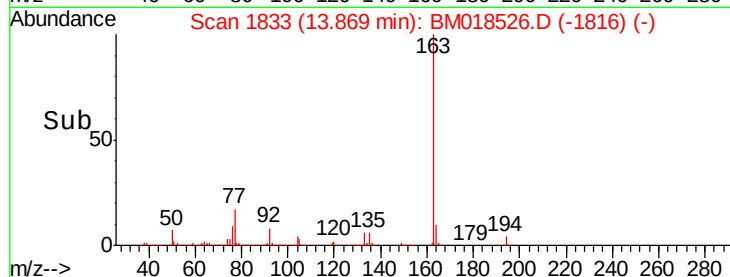
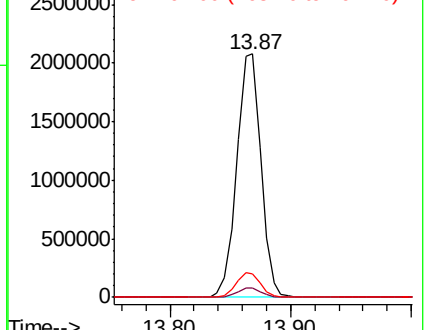
164 9.7 7.8 11.8



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.16 min Scan# 2392

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

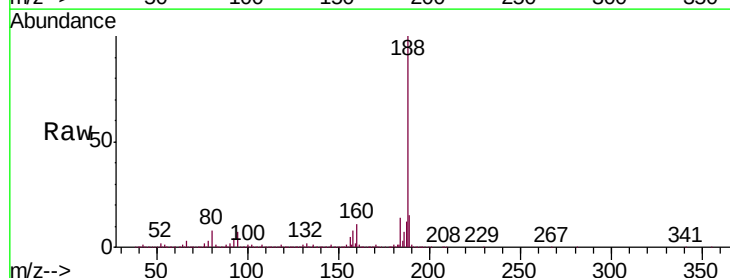
Tgt Ion:188 Resp: 3686766

Ion Ratio Lower Upper

188 100

94 7.4 7.1 10.7

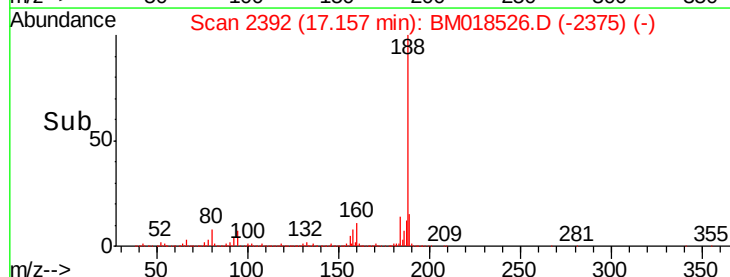
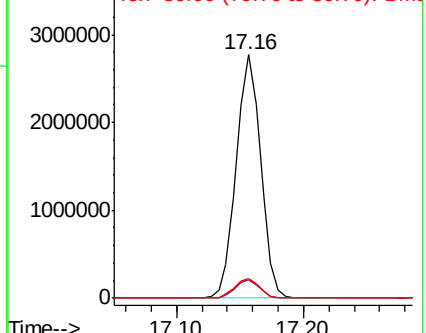
80 8.1 7.6 11.4

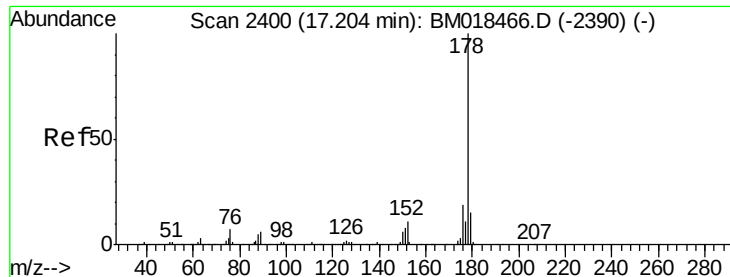


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BM0

Ion 80.00 (79.70 to 80.70): BM0

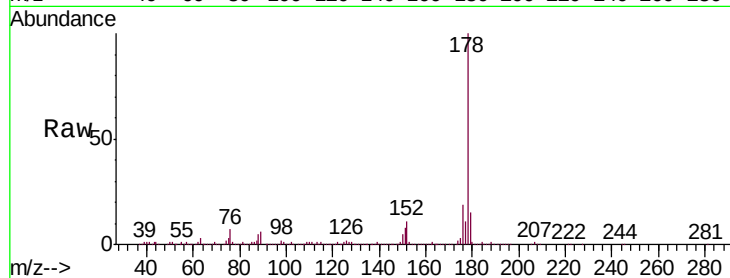




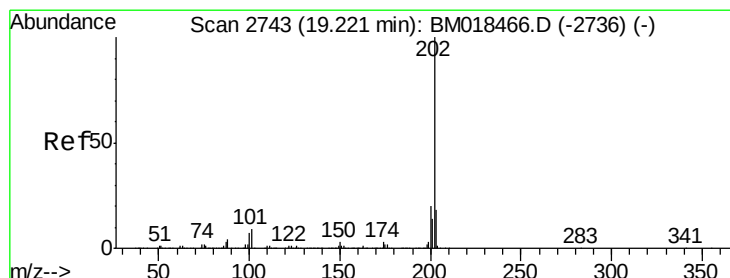
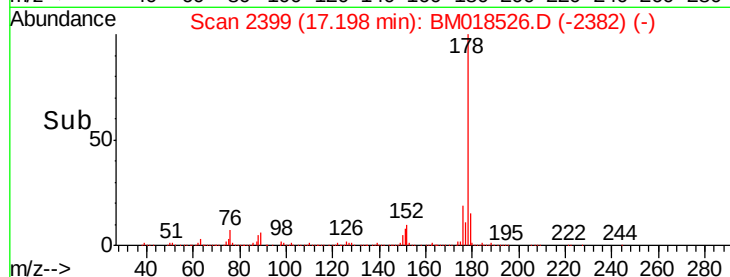
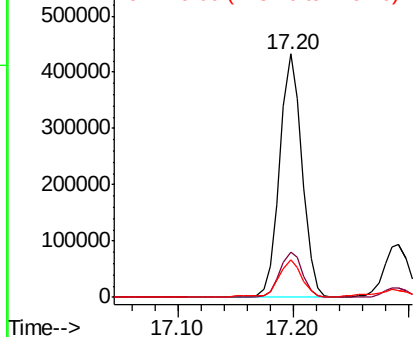
#71
Phenanthrene
Concen: 2.977 ng
RT: 17.20 min Scan# 2399
Delta R.T. -0.00 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Instrument :
BNA_M
ClientSampleId :
TP-19-20

Tgt Ion:178 Resp: 583776
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.0
179 15.2 12.2 18.4

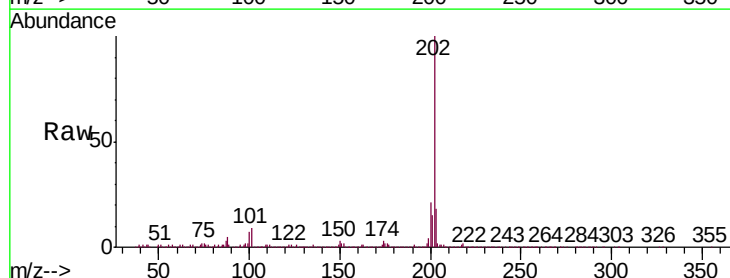


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

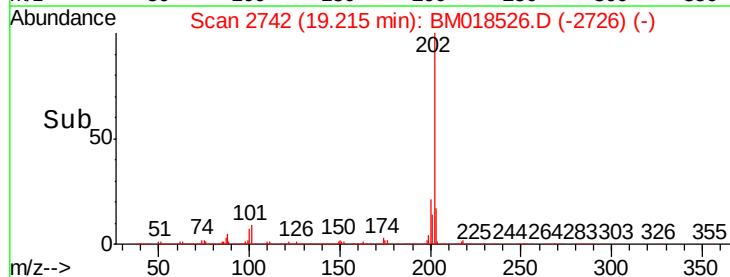
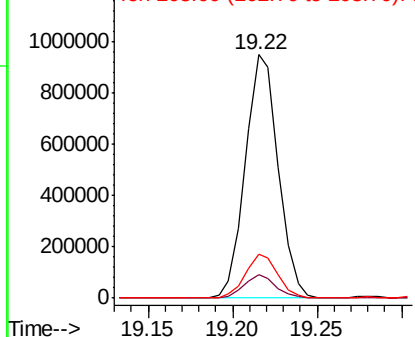


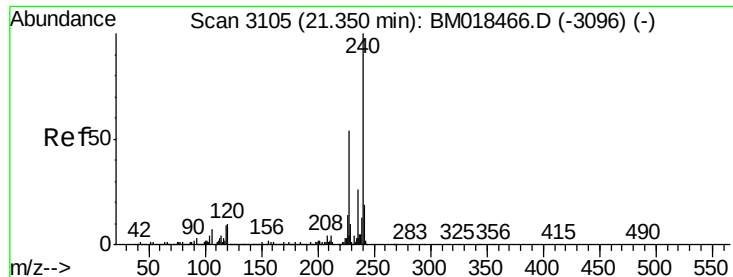
#75
Fluoranthene
Concen: 5.674 ng
RT: 19.22 min Scan# 2742
Delta R.T. -0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion:202 Resp: 1282804
Ion Ratio Lower Upper
202 100
101 9.5 0.0 30.9
203 17.9 0.0 37.4



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.35 min Scan# 3105

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Instrument :

BNA_M

ClientSampleId :

TP-19-20

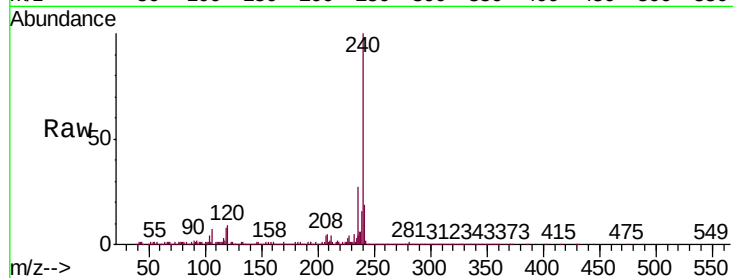
Tgt Ion:240 Resp: 2798830

Ion Ratio Lower Upper

240 100

120 9.0 8.4 12.6

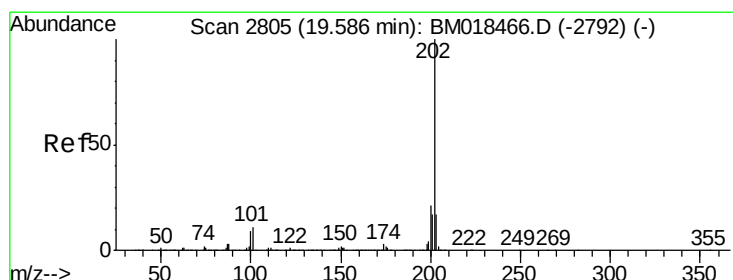
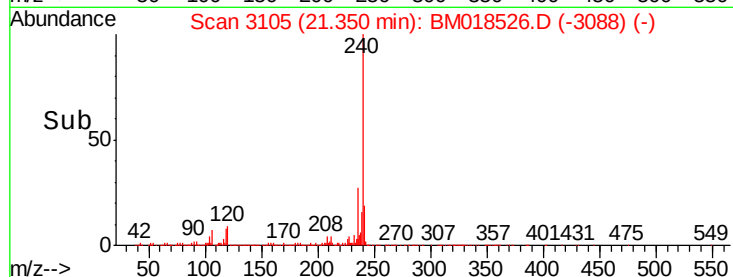
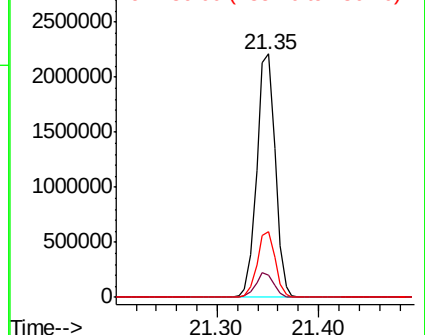
236 26.7 20.7 31.1



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



#78

Pyrene

Concen: 7.834 ng

RT: 19.58 min Scan# 2804

Delta R.T. -0.01 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

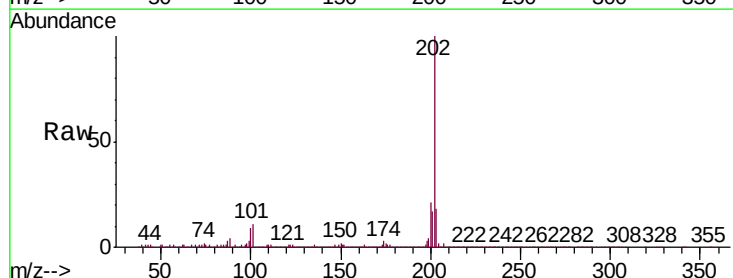
Tgt Ion:202 Resp: 1299739

Ion Ratio Lower Upper

202 100

200 20.8 16.6 24.8

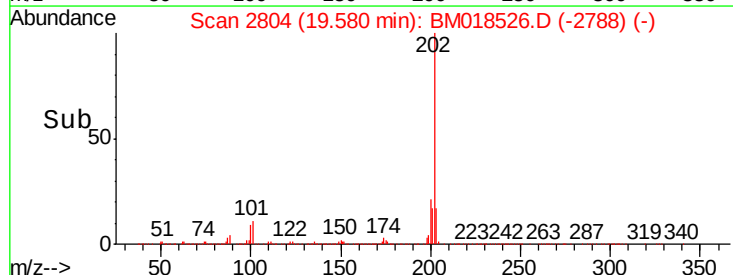
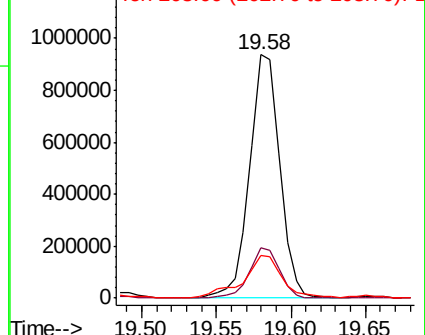
203 17.8 13.8 20.8

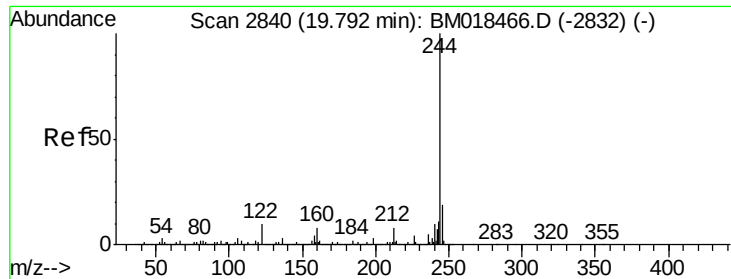


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 87.324 ng

RT: 19.79 min Scan# 2839

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Instrument :

BNA_M

ClientSampleId :

TP-19-20

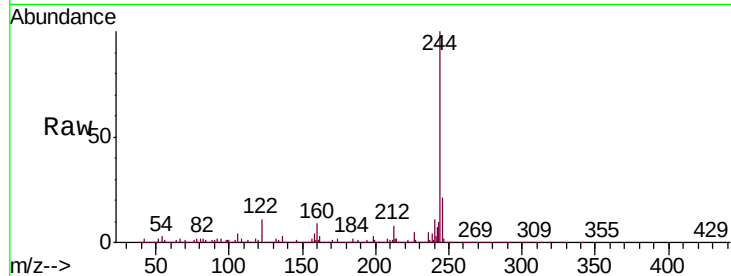
Tgt Ion:244 Resp:11594023

Ion Ratio Lower Upper

244 100

212 8.3 5.9 8.9

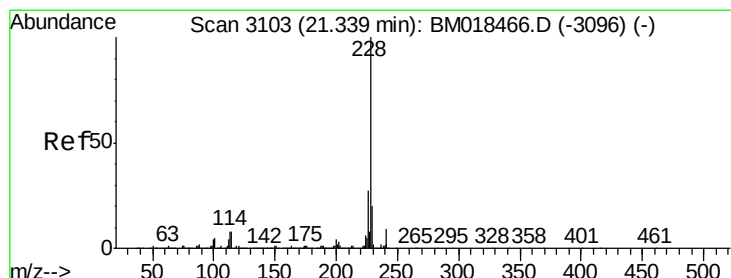
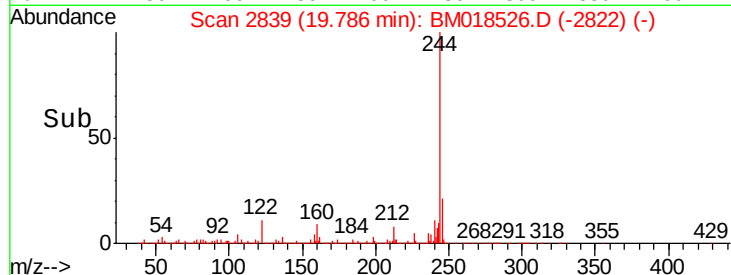
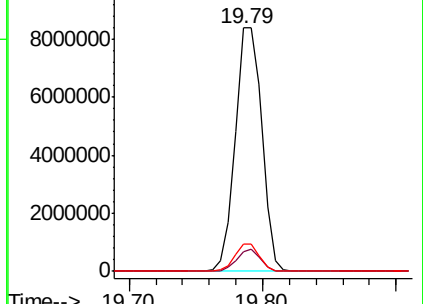
122 11.3 9.0 13.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 4.468 ng

RT: 21.33 min Scan# 3102

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

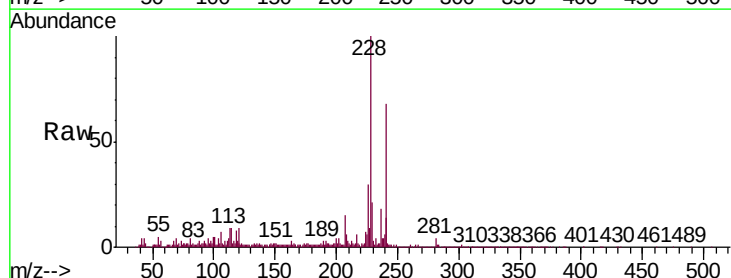
Tgt Ion:228 Resp: 736623

Ion Ratio Lower Upper

228 100

226 30.4 21.8 32.6

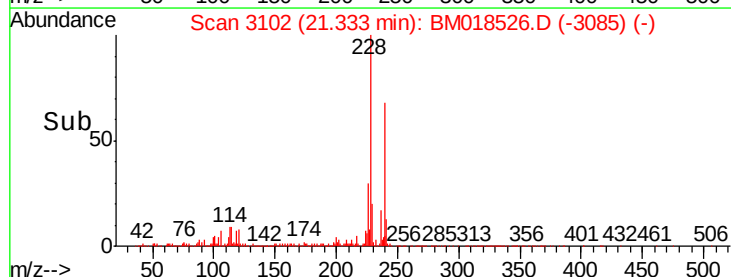
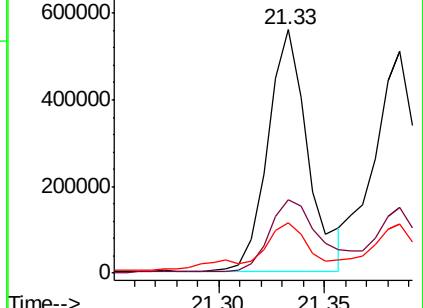
229 20.7 15.8 23.8

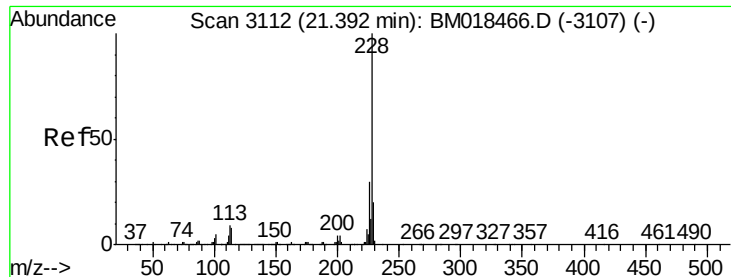


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 4.476 ng

RT: 21.39 min Scan# 3111

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Instrument :

BNA_M

ClientSampleId :

TP-19-20

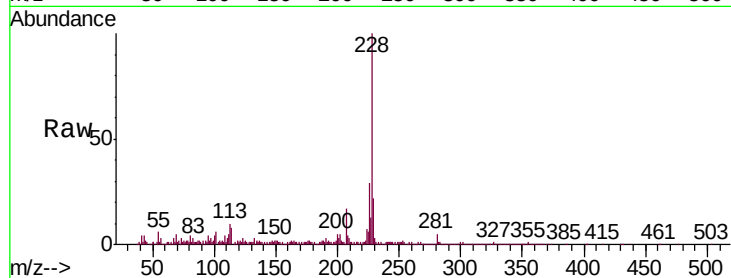
Tgt Ion: 228 Resp: 712621

Ion Ratio Lower Upper

228 100

226 29.4 24.2 36.2

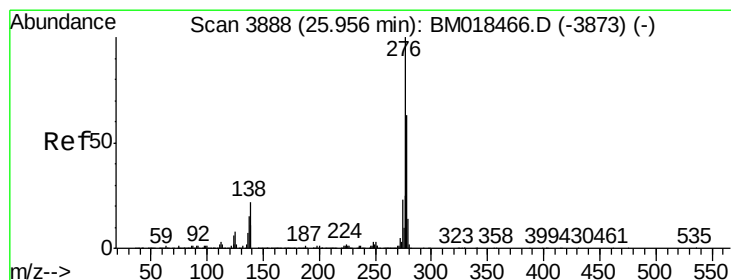
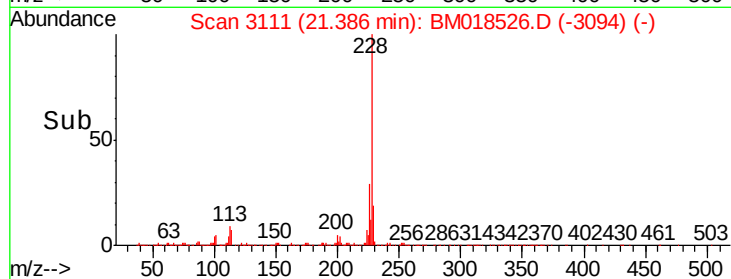
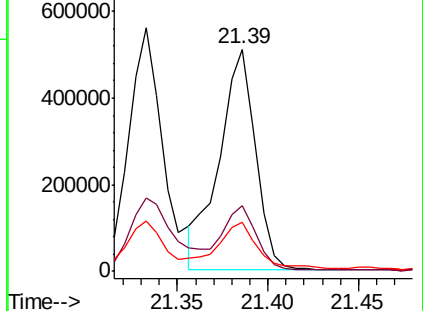
229 21.8 15.6 23.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 3.321 ng

RT: 25.94 min Scan# 3886

Delta R.T. -0.00 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

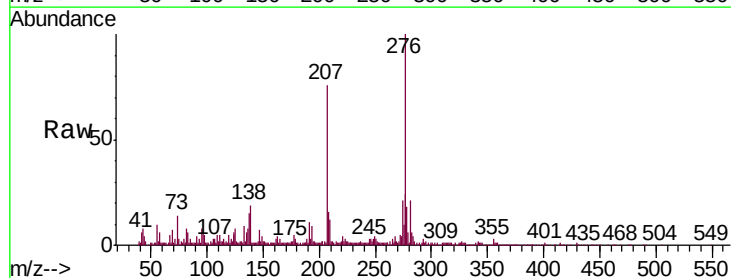
Tgt Ion: 276 Resp: 609758

Ion Ratio Lower Upper

276 100

138 19.1 21.5 32.3#

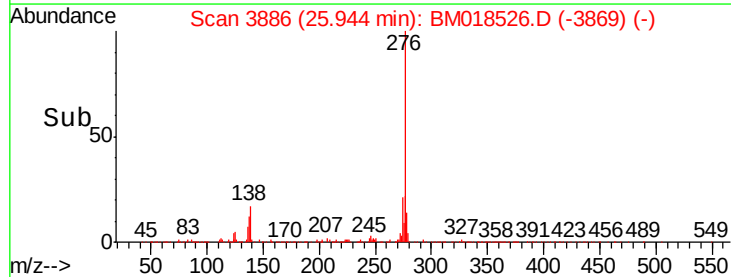
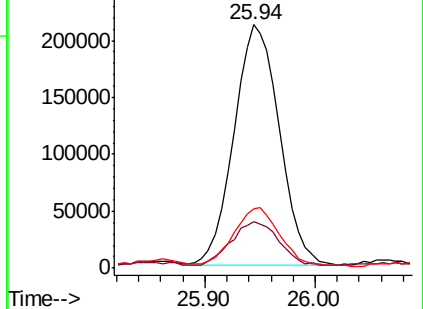
277 24.1 20.2 30.2

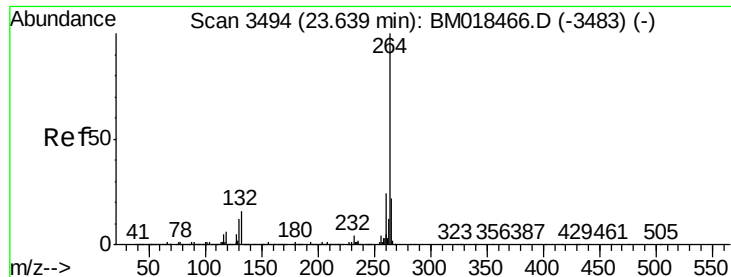


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



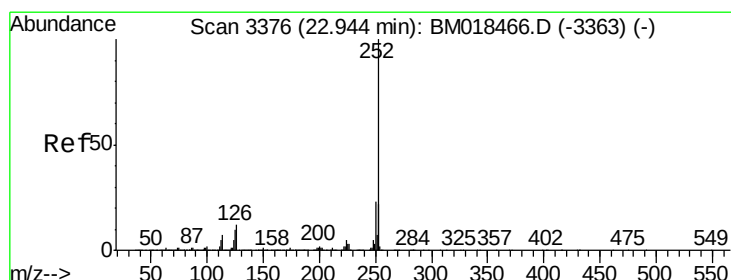
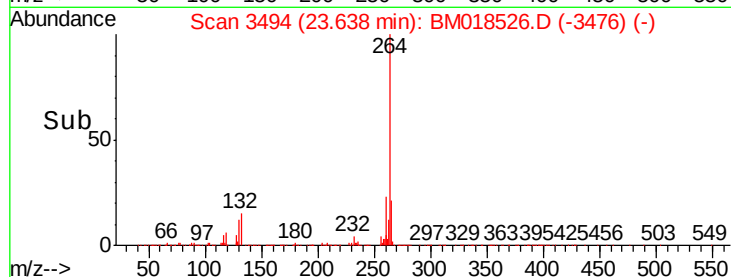
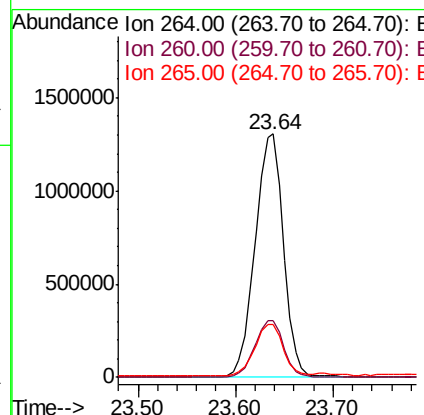
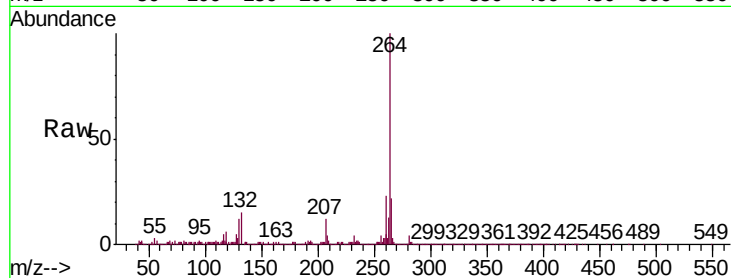


#87
Perylene-d12
Concen: 20.000 ng
RT: 23.64 min Scan# 3494
Delta R.T. 0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Instrument :
BNA_M
ClientSampleId :
TP-19-20

Tgt Ion:264 Resp: 2635139

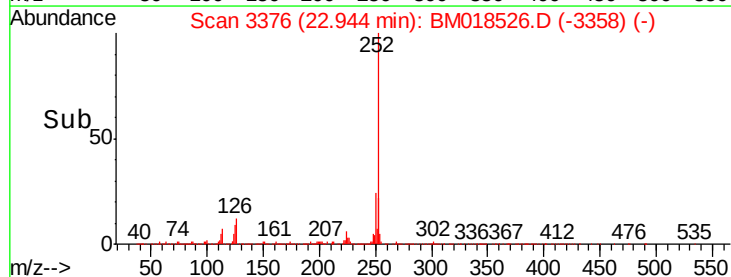
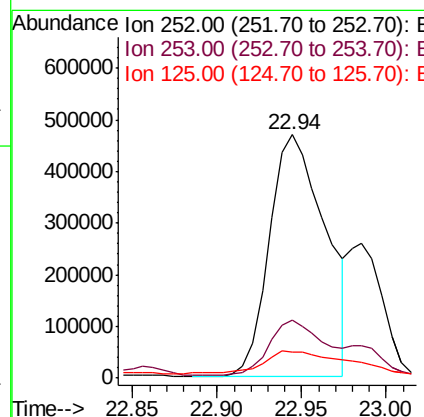
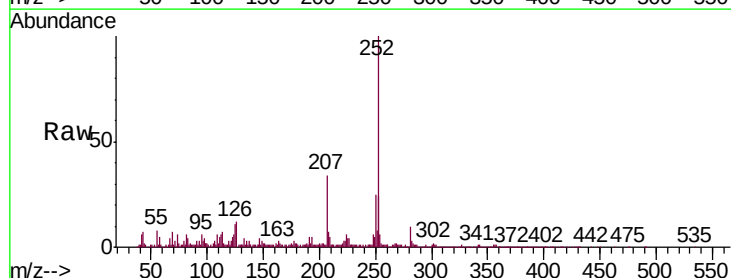
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.9	28.3
265	21.7	16.8	25.2

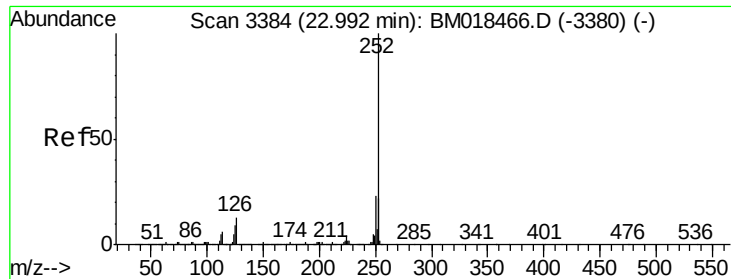


#88
Benzo(b)fluoranthene
Concen: 7.189 ng
RT: 22.94 min Scan# 3376
Delta R.T. 0.01 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion:252 Resp: 1075422

Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.6	26.4
125	10.6	8.5	12.7

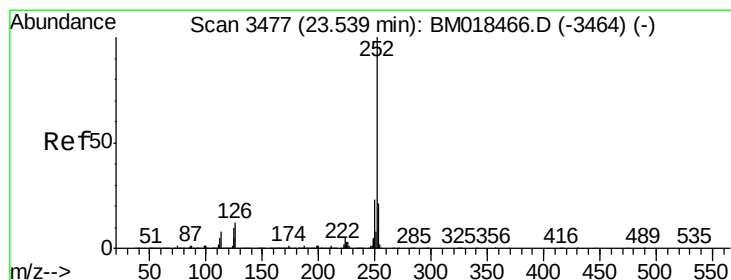
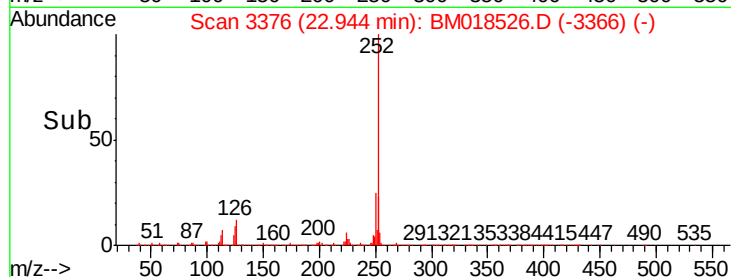
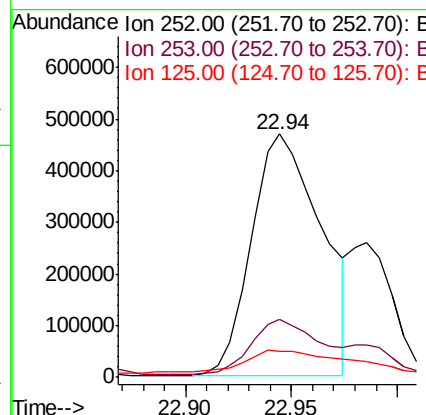
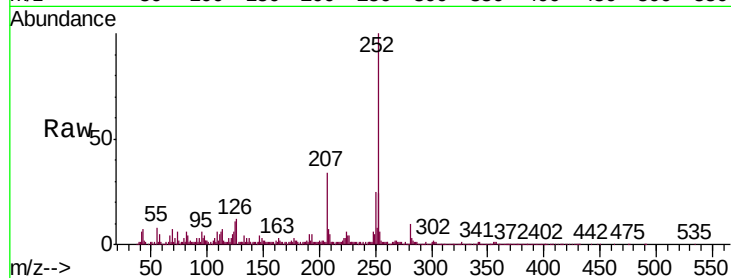




#89
Benzo(k)fluoranthene
Concen: 7.101 ng
RT: 22.94 min Scan# 3376
Delta R.T. -0.04 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

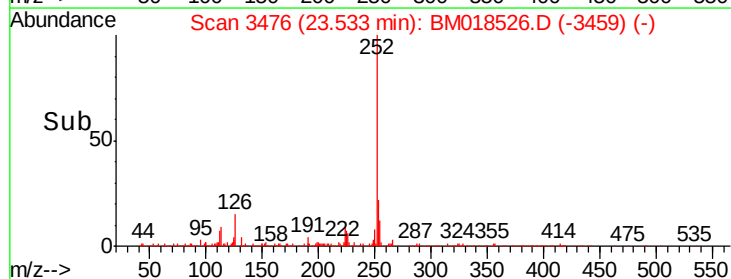
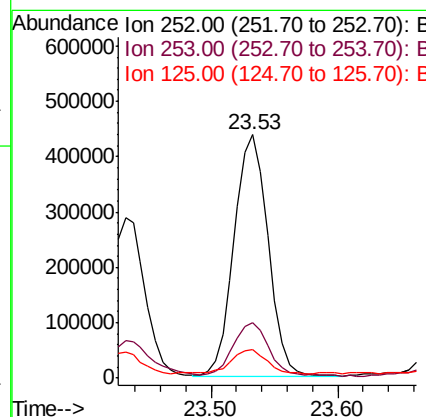
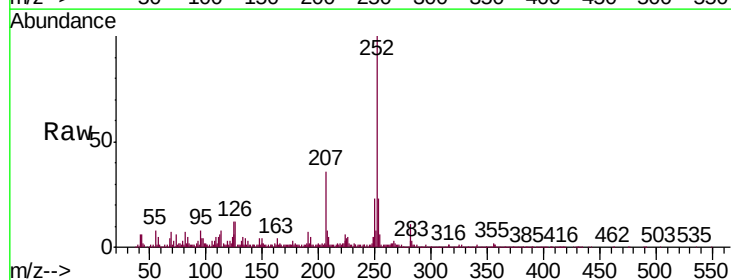
Instrument :
BNA_M
ClientSampleId :
TP-19-20

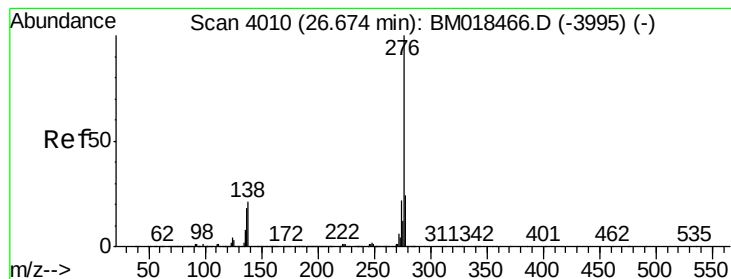
Tgt Ion:252 Resp: 1070608
Ion Ratio Lower Upper
252 100
253 23.8 17.4 26.0
125 10.6 8.6 12.8



#90
Benzo(a)pyrene
Concen: 5.644 ng
RT: 23.53 min Scan# 3476
Delta R.T. -0.00 min
Lab File: BM018526.D
Acq: 11 Jan 2019 01:41

Tgt Ion:252 Resp: 808326
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.9 9.7 14.5





#92

Benzo(g,h,i)perylene

Concen: 4.264 ng

RT: 26.66 min Scan# 4008

Delta R.T. 0.01 min

Lab File: BM018526.D

Acq: 11 Jan 2019 01:41

Instrument :

BNA_M

ClientSampleId :

TP-19-20

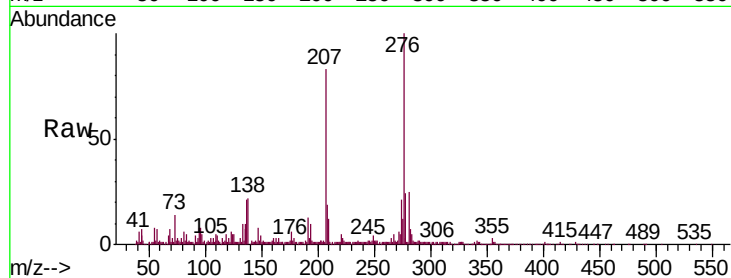
Tgt Ion: 276 Resp: 602104

Ion Ratio Lower Upper

276 100

277 24.2 19.0 28.4

138 21.5 18.1 27.1



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

