

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF110518\
 Data File : BF110477.D
 Acq On : 5 Nov 2018 20:45
 Operator : JU/SJ
 Sample : J5764-11
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-110218-F

Quant Time: Nov 06 00:55:42 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF102318.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Nov 01 16:06:12 2018
 Response via : Initial Calibration

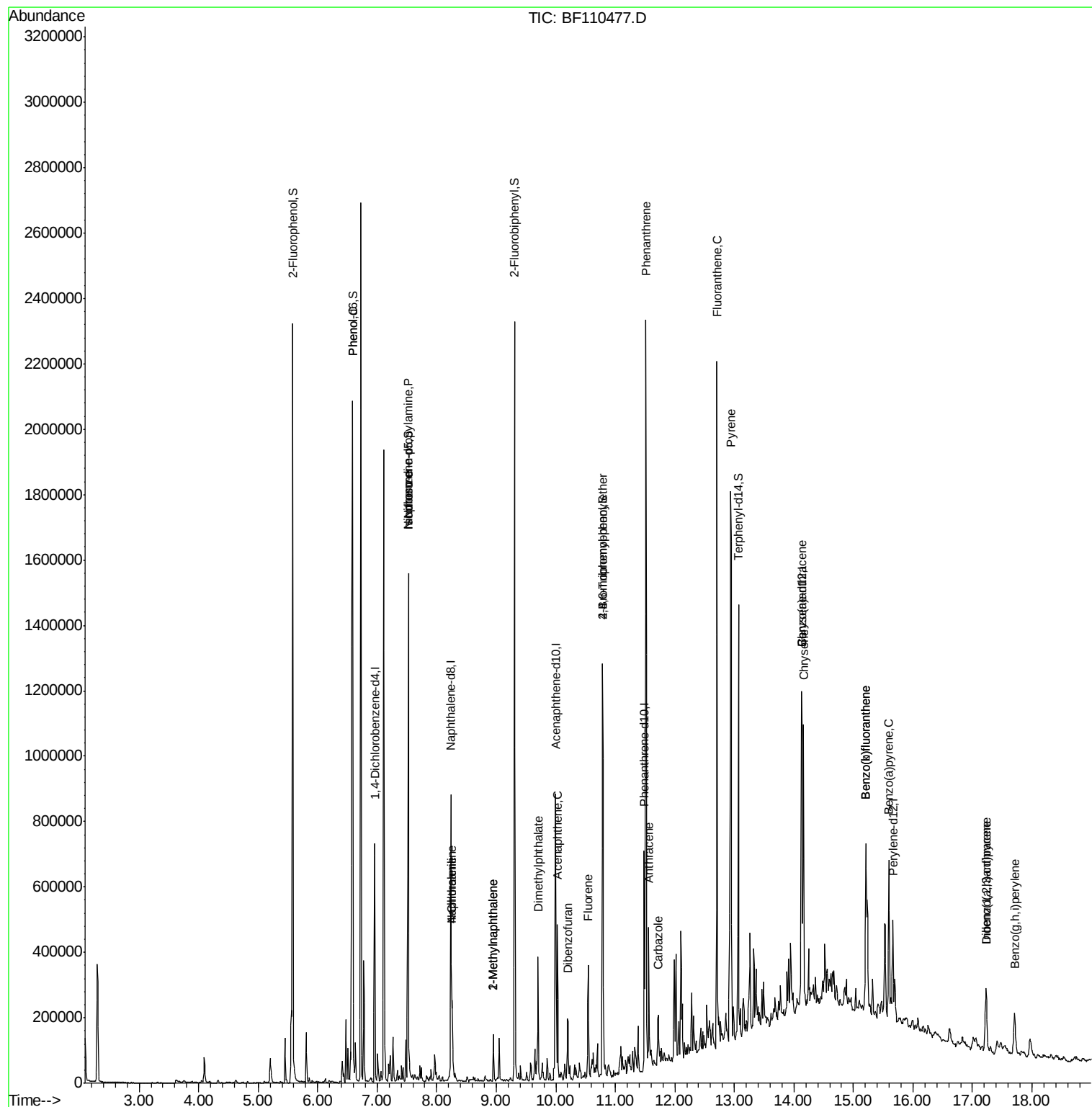
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	111656	20.00	ng	0.00
21) Naphthalene-d8	8.24	136	435379	20.00	ng	0.00
39) Acenaphthene-d10	10.00	164	174991	20.00	ng	0.00
64) Phenanthrene-d10	11.49	188	255557	20.00	ng	0.00
76) Chrysene-d12	14.14	240	187171	20.00	ng	0.00
87) Perylene-d12	15.66	264	142170	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.58	112	660077	96.27	ng	0.00
7) Phenol-d6	6.59	99	837104	95.45	ng	0.00
23) Nitrobenzene-d5	7.52	82	523403	71.31	ng	0.00
42) 2,4,6-Tribromophenol	10.79	330	136029	78.48	ng	0.00
45) 2-Fluorobiphenyl	9.31	172	673588	60.44	ng	0.00
79) Terphenyl-d14	13.07	244	401163	44.57	ng	0.00
Target Compounds						
10) Phenol	6.59	94	74429	7.939	ng	Qvalue # 70
19) n-Nitroso-di-n-propylamine	7.52	70	68479	12.171	ng	# 78
25) Isophorone	7.52	82	523399	41.830	ng	# 67
31) Naphthalene	8.26	128	139297	6.942	ng	99
33) 4-Chloroaniline	8.26	127	18261	2.022	ng	# 33
37) 2-Methylnaphthalene	8.95	142	41771	3.146	ng	98
38) 1-Methylnaphthalene	8.95	142	41771	3.256	ng	97
50) Dimethylphthalate	9.70	163	149862	11.602	ng	99
52) Acenaphthene	10.03	154	91332	8.235	ng	97
55) Dibenzofuran	10.20	168	78089	5.029	ng	94
58) Fluorene	10.55	166	93922	8.127	ng	100
67) 4-Bromophenyl-phenylether	10.79	248	9010	3.250	ng	# 1
71) Phenanthrene	11.52	178	825880	61.762	ng	100
72) Anthracene	11.56	178	166085	12.391	ng	97
73) Carbazole	11.72	167	57034	4.358	ng	99
75) Fluoranthene	12.71	202	829243	61.104	ng	99
77) Benzidine	12.85	184	476	Below Cal		# 1
78) Pyrene	12.94	202	768465	57.269	ng	99
81) Benzo(a)anthracene	14.13	228	345077	31.089	ng	98
83) Chrysene	14.16	228	300418	28.496	ng	98
86) Indeno(1,2,3-cd)pyrene	17.23	276	112536	12.867	ng	98
88) Benzo(b)fluoranthene	15.21	252	407694	49.659	ng	97
89) Benzo(k)fluoranthene	15.21	252	407694	50.513	ng	# 96
90) Benzo(a)pyrene	15.60	252	224080	29.662	ng	99
91) Dibenzo(a,h)anthracene	17.23	278	28408	4.358	ng	# 88
92) Benzo(g,h,i)perylene	17.71	276	109365	17.027	ng	96

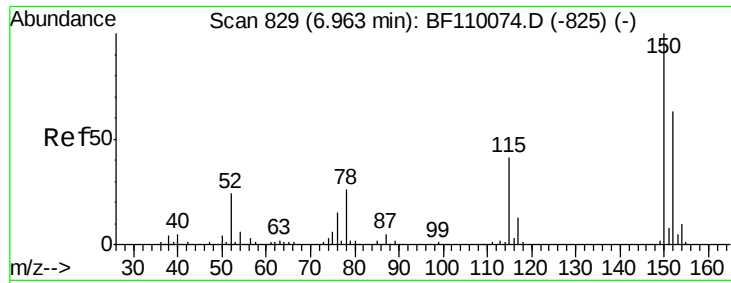
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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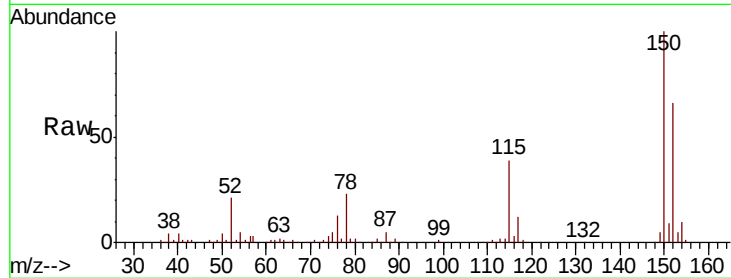




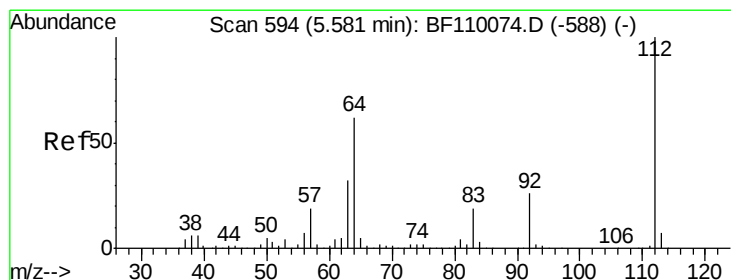
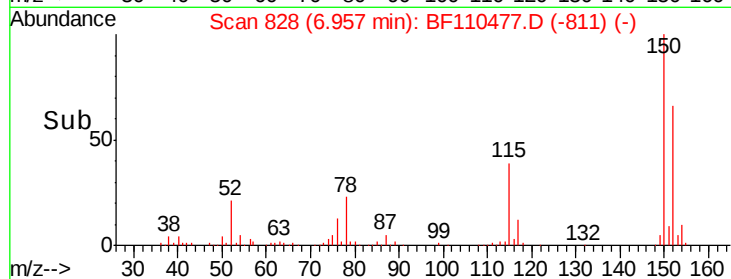
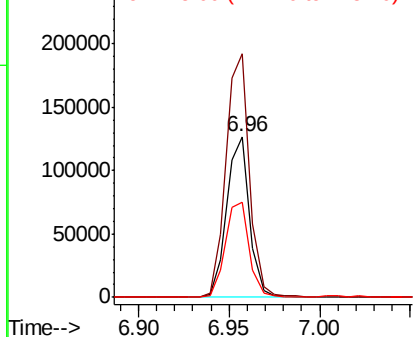
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.96 min Scan# 828
 Delta R.T. 0.00 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-110218-F

Tgt Ion:152 Resp: 111656
 Ion Ratio Lower Upper
 152 100
 150 151.6 122.7 184.1
 115 59.7 49.1 73.7

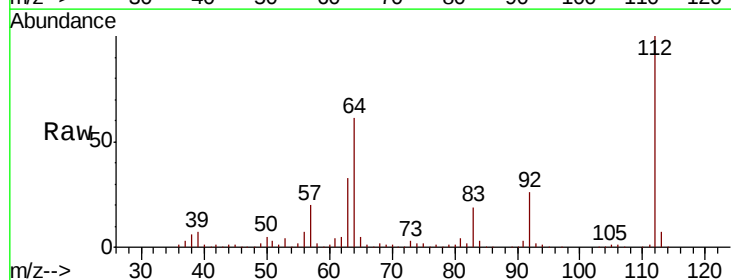


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

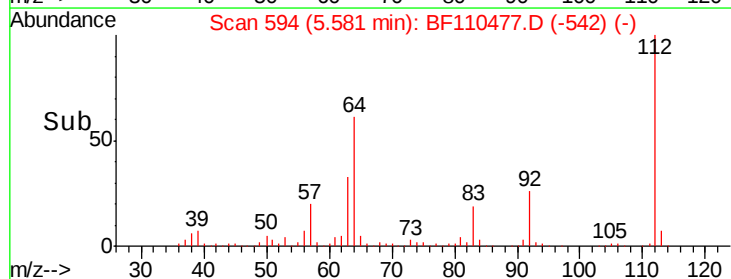
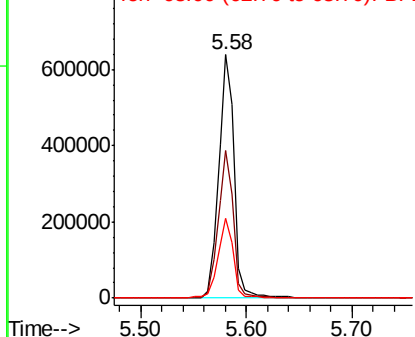


#5
 2-Fluorophenol
 Concen: 96.269 ng
 RT: 5.58 min Scan# 594
 Delta R.T. 0.01 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Tgt Ion:112 Resp: 660077
 Ion Ratio Lower Upper
 112 100
 64 60.7 44.1 66.1
 63 32.7 23.7 35.5



Abundance Ion 112.00 (111.70 to 112.70): E
 Ion 64.00 (63.70 to 64.70): BF1
 Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 95.450 ng

RT: 6.59 min Scan# 765

Delta R.T. 0.01 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Instrument :

BNA_F

ClientSampleId :

JC-03-110218-F

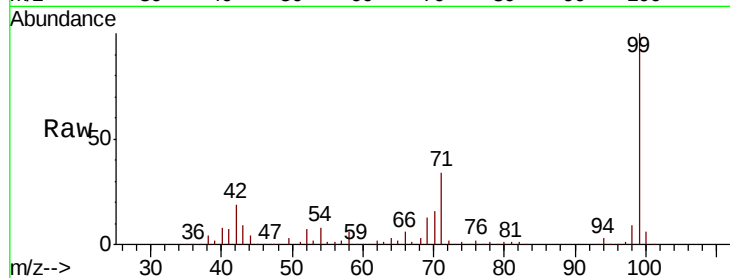
Tgt Ion: 99 Resp: 837104

Ion Ratio Lower Upper

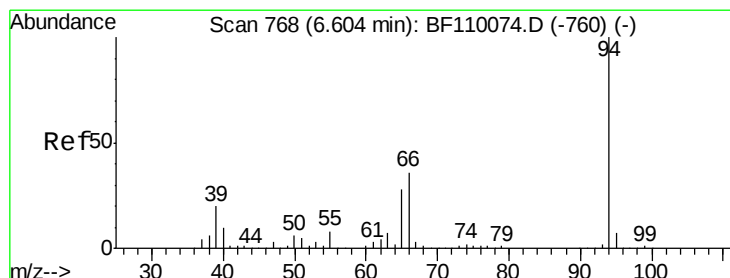
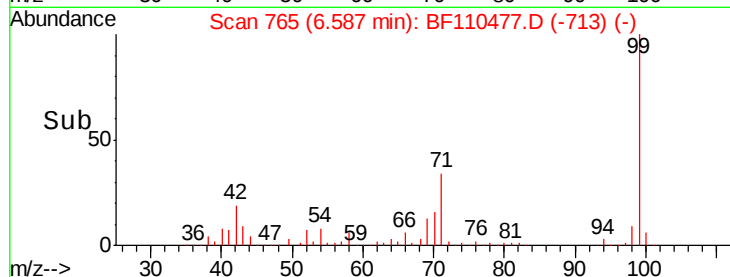
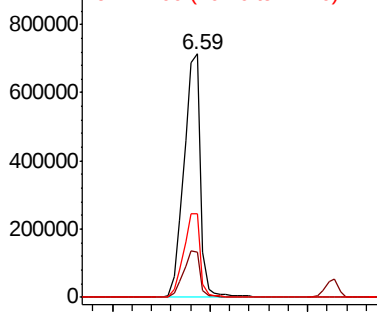
99 100

42 18.7 15.8 23.6

71 34.2 28.0 42.0



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 7.939 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.01 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

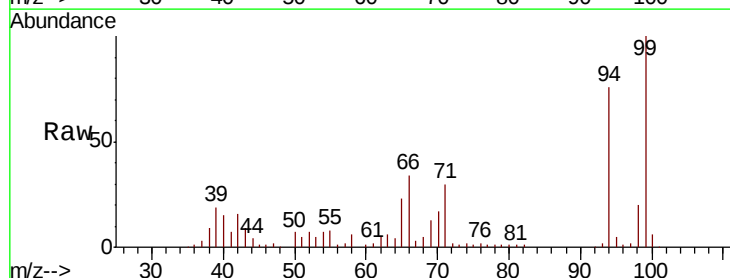
Tgt Ion: 94 Resp: 74429

Ion Ratio Lower Upper

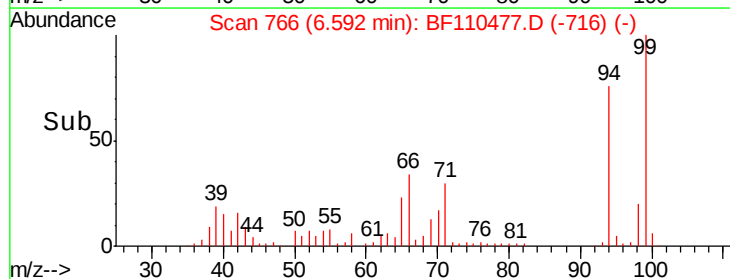
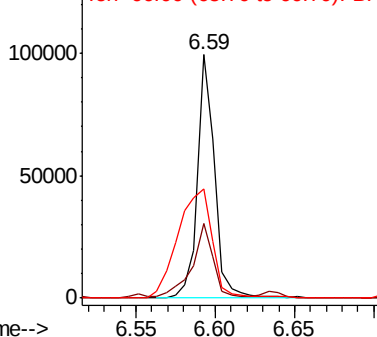
94 100

65 30.9 25.3 65.3

66 44.9 54.5 94.5#



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

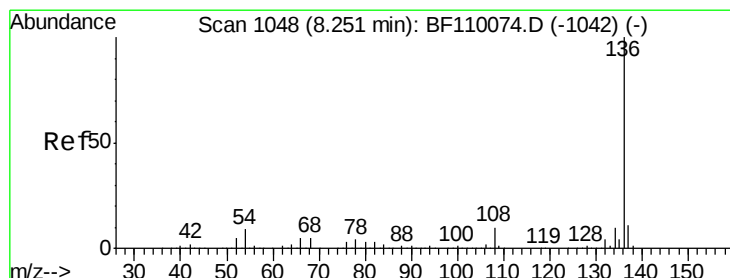
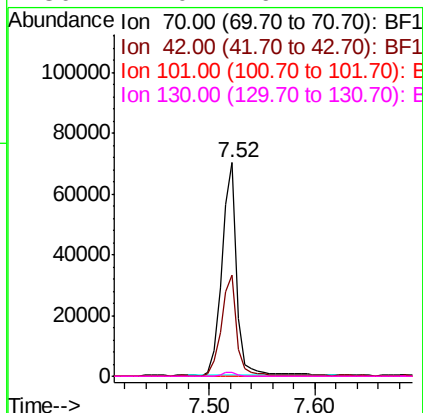
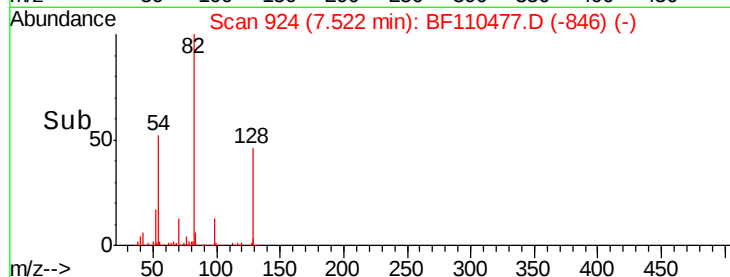
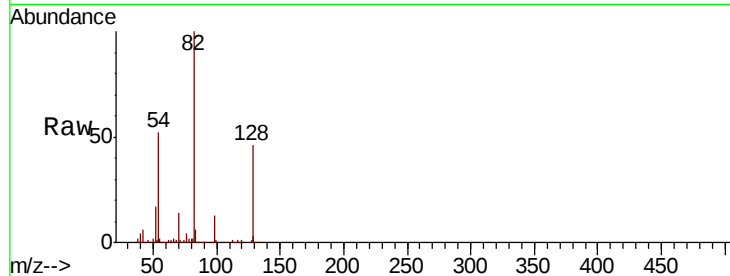




#19
n-Nitroso-di-n-propylamine
Concen: 12.171 ng
RT: 7.52 min Scan# 924
Delta R.T. 0.16 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

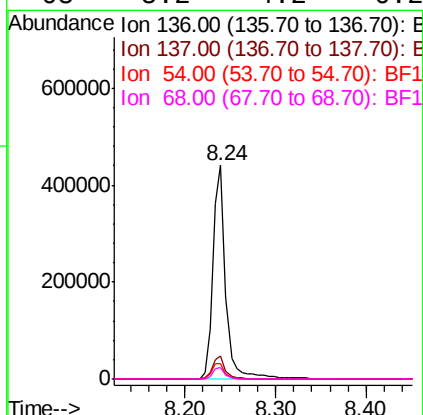
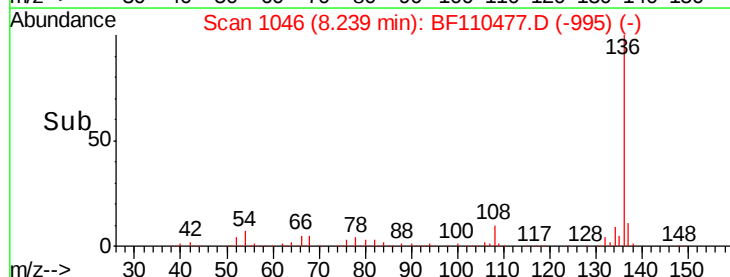
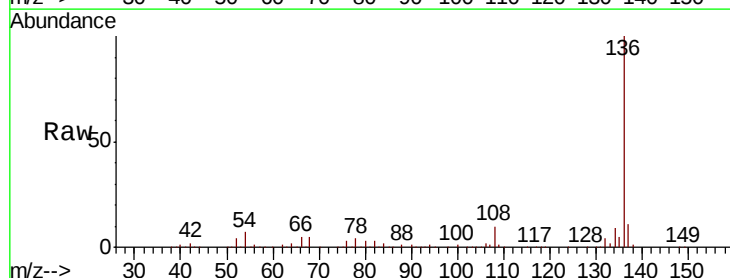
Instrument :
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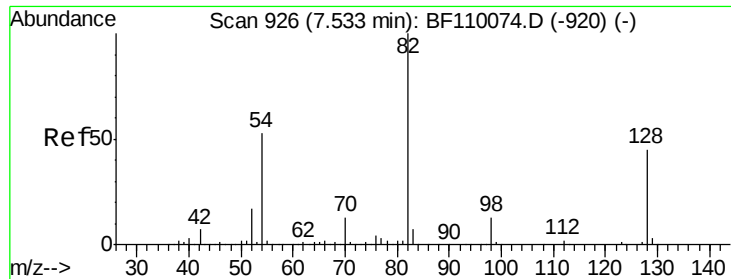
Tgt Ion: 70 Resp: 68479
Ion Ratio Lower Upper
70 100
42 47.6 47.4 71.2
101 0.0 7.3 10.9#
130 2.0 16.2 24.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.24 min Scan# 1046
Delta R.T. 0.00 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion: 136 Resp: 435379
Ion Ratio Lower Upper
136 100
137 10.8 8.8 13.2
54 7.4 5.4 8.2
68 5.2 4.2 6.2





#23

Nitrobenzene-d5

Concen: 71.305 ng

RT: 7.52 min Scan# 924

Delta R.T. 0.00 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Instrument :

BNA_F

ClientSampleId :

JC-03-110218-F

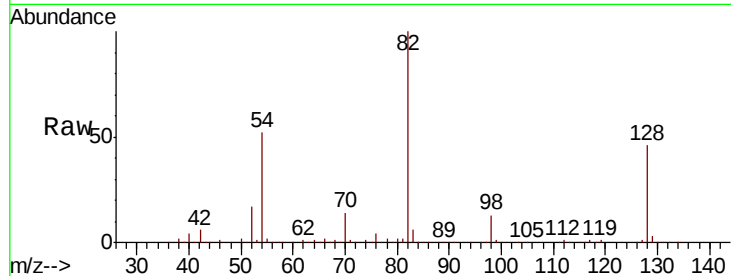
Tgt Ion: 82 Resp: 523403

Ion Ratio Lower Upper

82 100

128 45.9 34.2 51.2

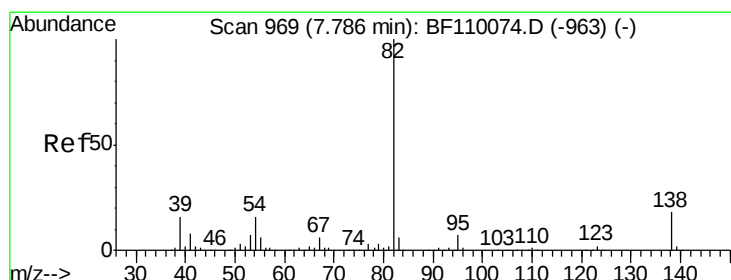
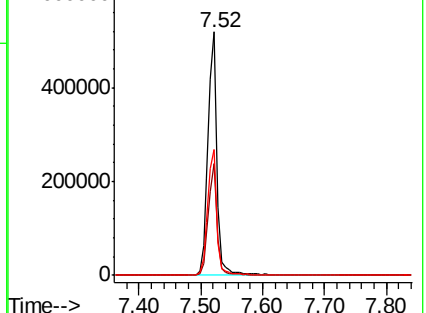
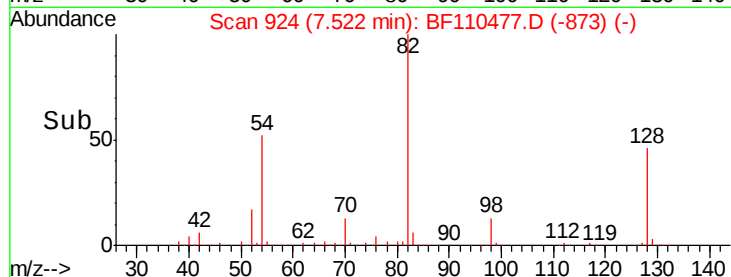
54 51.8 38.6 58.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 41.830 ng

RT: 7.52 min Scan# 924

Delta R.T. -0.25 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

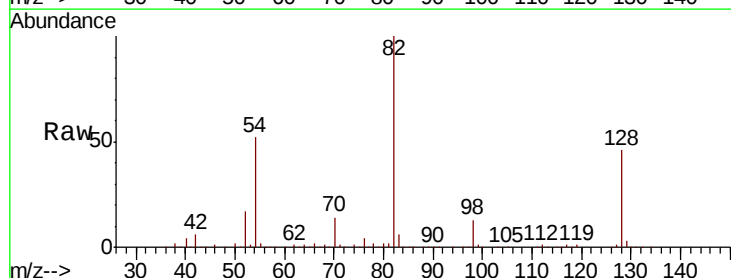
Tgt Ion: 82 Resp: 523399

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

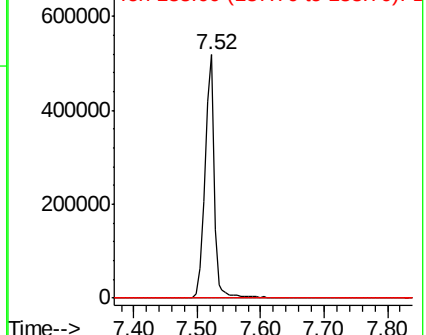
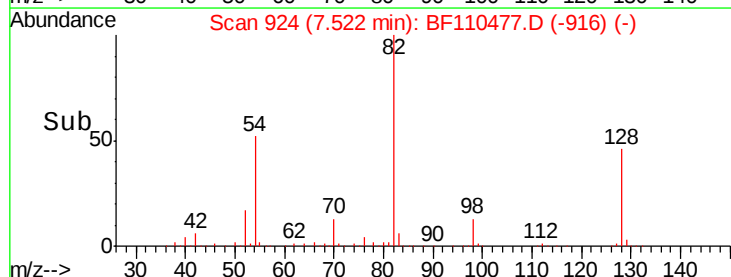
138 0.0 13.2 19.8#

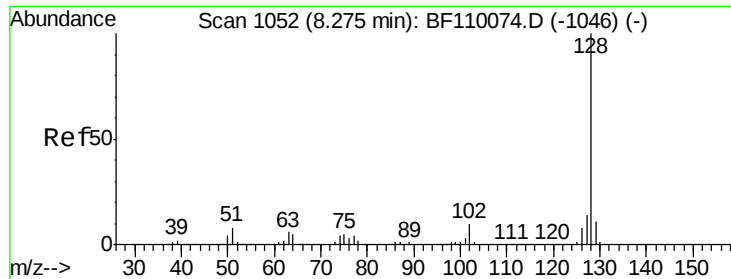


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

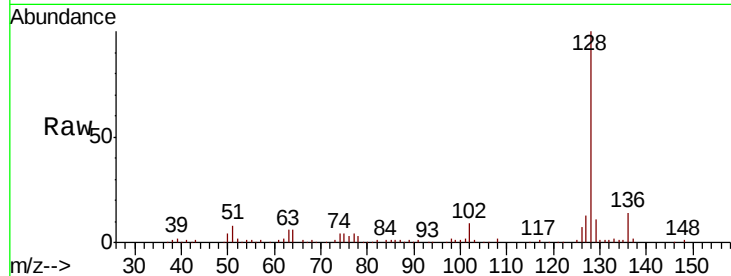




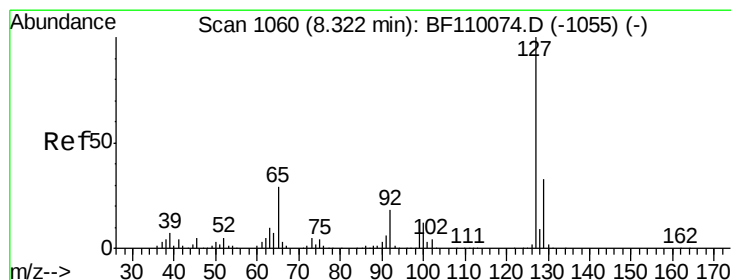
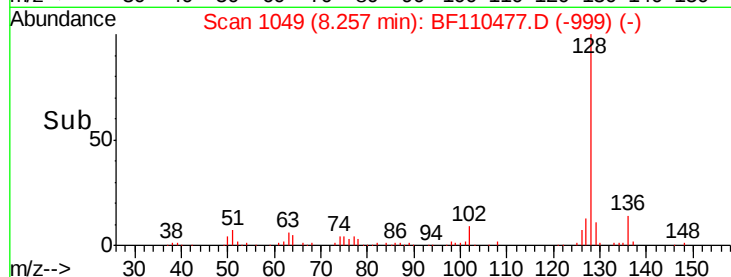
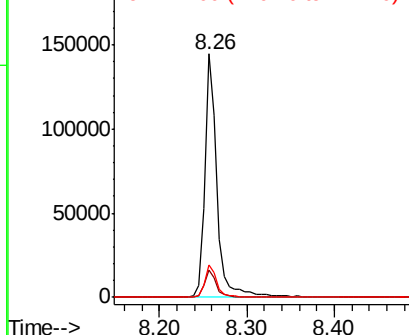
#31
Naphthalene
Concen: 6.942 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Instrument :
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Tgt Ion:128 Resp: 139297
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 13.1 10.8 16.2

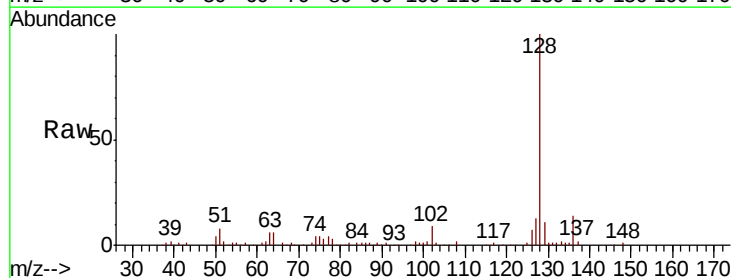


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

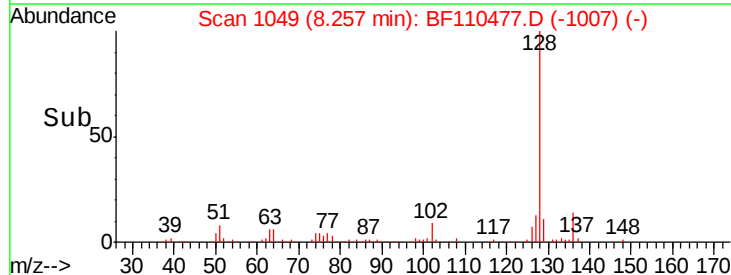
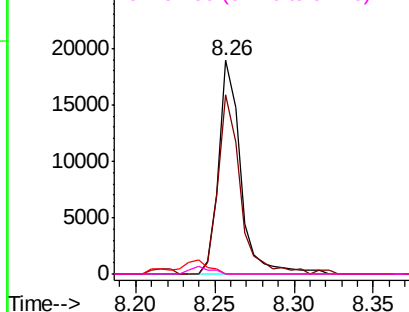


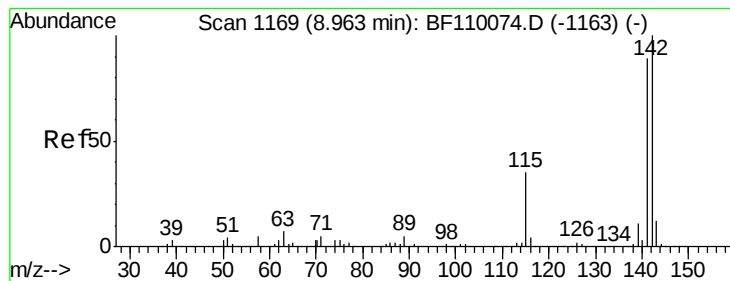
#33
4-Chloroaniline
Concen: 2.022 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.05 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion:127 Resp: 18261
Ion Ratio Lower Upper
127 100
129 83.9 26.0 39.0#
65 0.0 25.1 37.7#
92 0.0 15.0 22.6#



Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1





#37

2-Methylnaphthalene

Concen: 3.146 ng

RT: 8.95 min Scan# 1167

Delta R.T. 0.00 min

Lab File: BF110477.D

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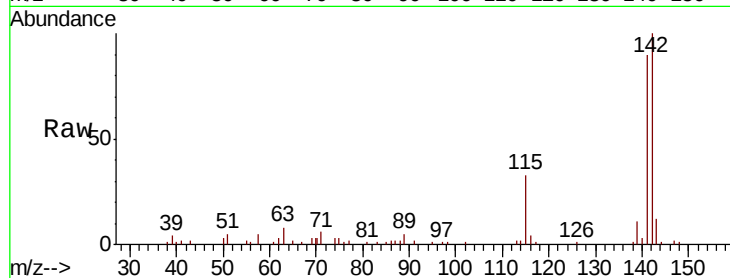
Tgt Ion:142 Resp: 41771

Ion Ratio Lower Upper

142 100

141 89.8 71.4 107.2

115 32.7 28.7 43.1

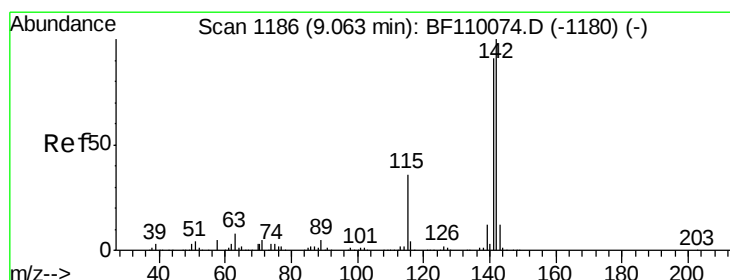
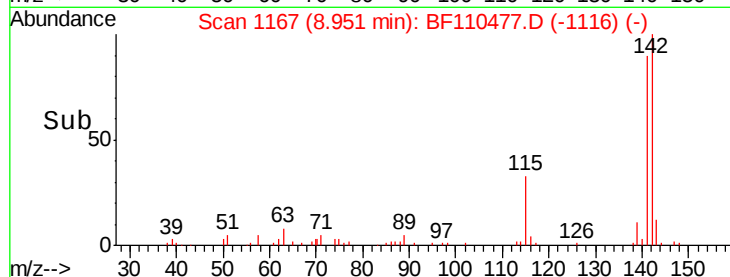
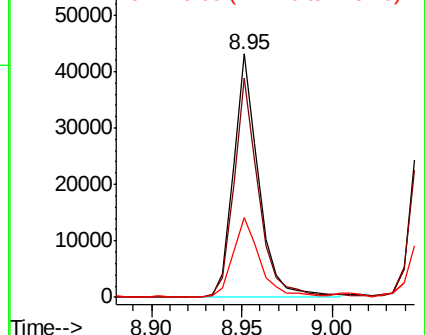


Abundance

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: 3.256 ng

RT: 8.95 min Scan# 1167

Delta R.T. -0.11 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

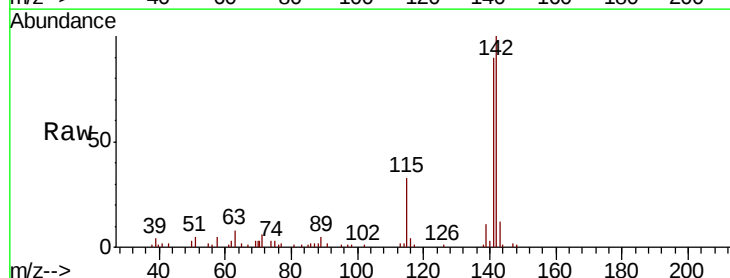
Tgt Ion:142 Resp: 41771

Ion Ratio Lower Upper

142 100

141 89.8 74.2 111.4

116 3.7 2.6 4.0

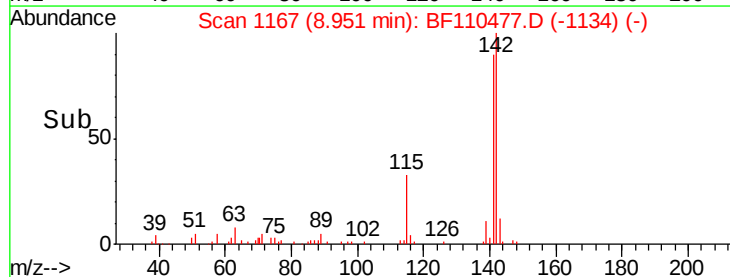
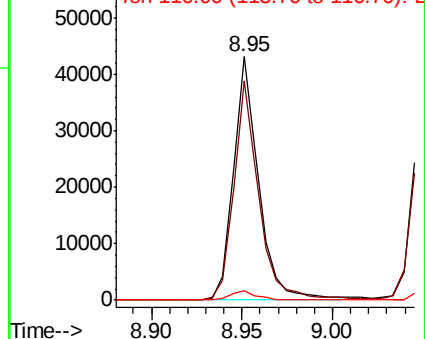


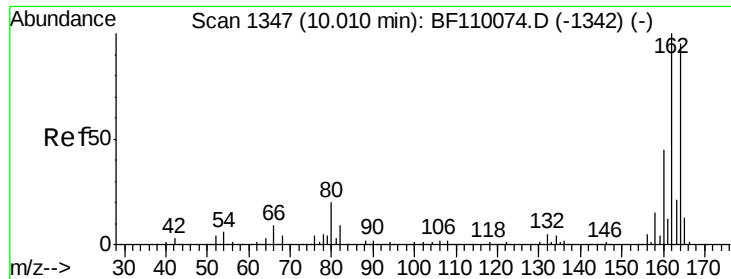
Abundance

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: 10.00 min Scan# 1345

Delta R.T. 0.00 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

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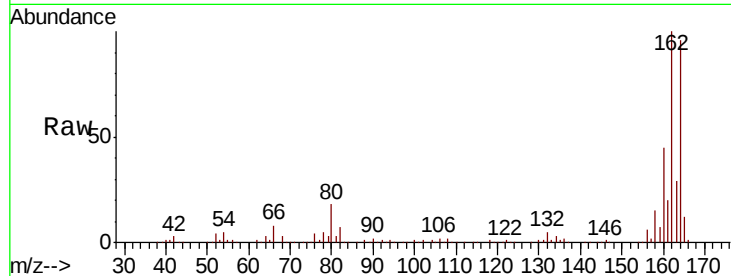
Tgt Ion:164 Resp: 174991

Ion Ratio Lower Upper

164 100

162 104.3 83.0 124.6

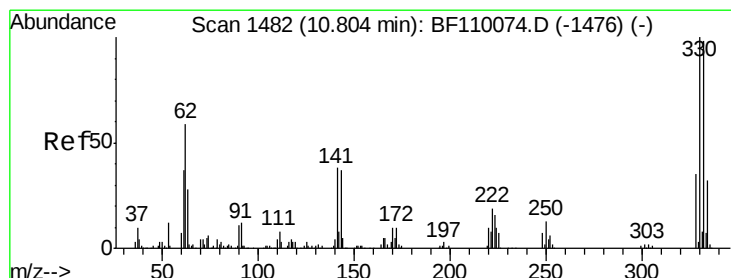
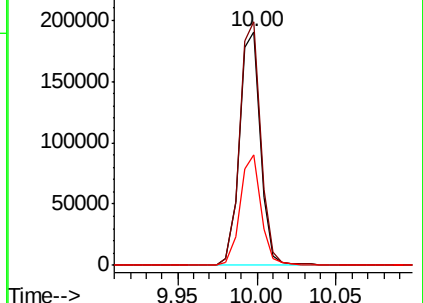
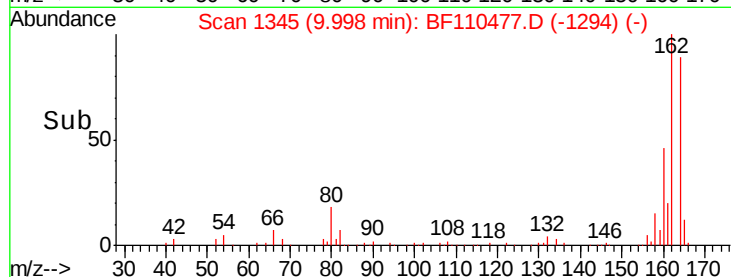
160 47.2 37.0 55.6



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: 78.475 ng

RT: 10.79 min Scan# 1479

Delta R.T. -0.01 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

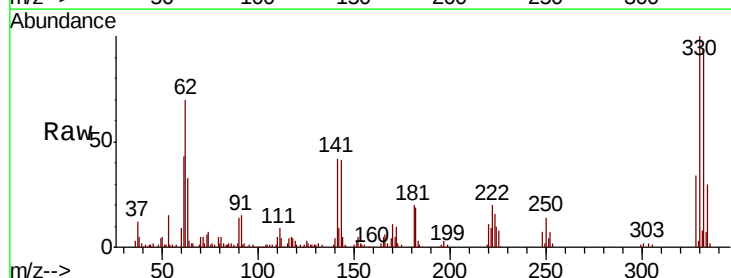
Tgt Ion:330 Resp: 136029

Ion Ratio Lower Upper

330 100

332 96.3 77.1 115.7

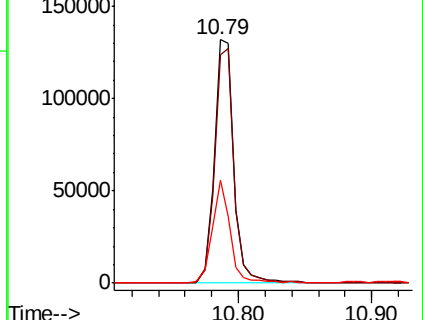
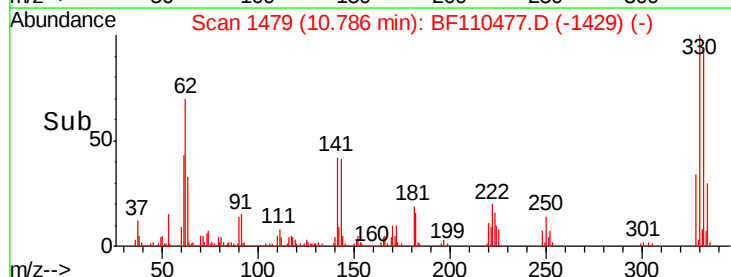
141 39.1 27.0 40.4

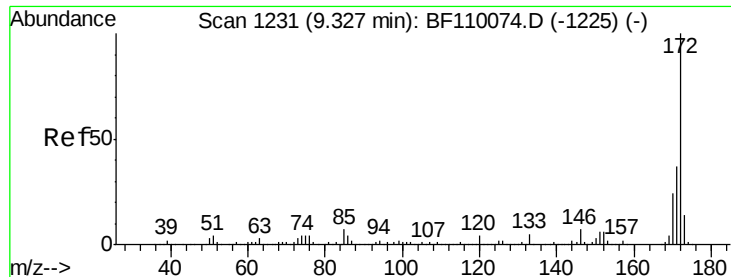


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

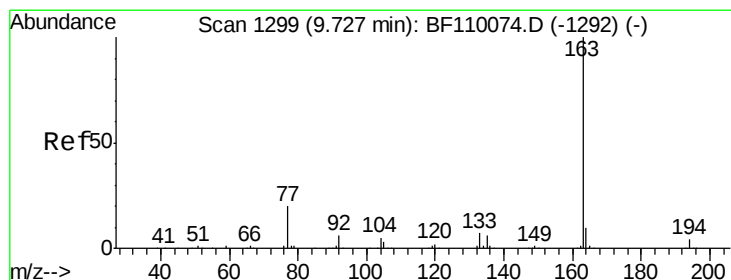
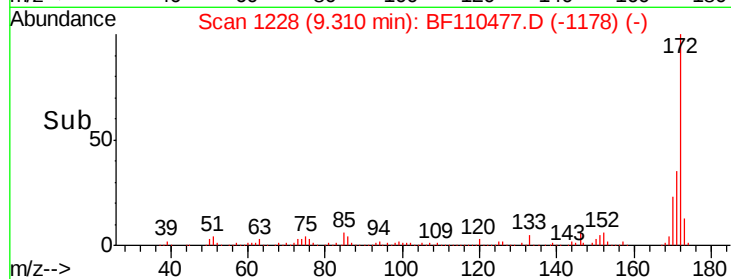
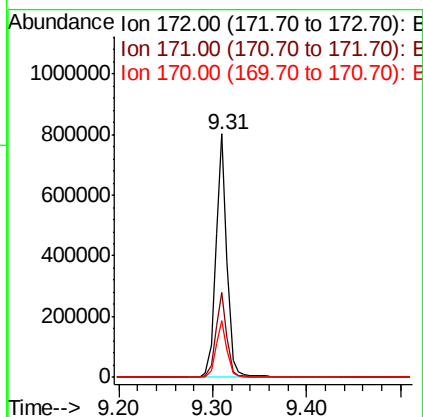
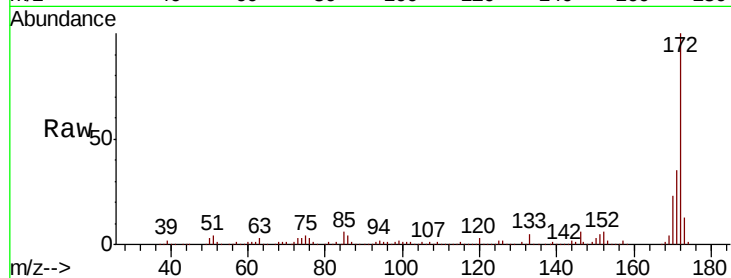




#45
2-Fluorobiphenyl
Concen: 60.444 ng
RT: 9.31 min Scan# 1228
Delta R.T. -0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

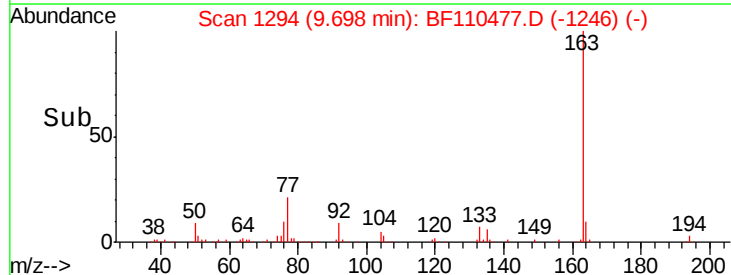
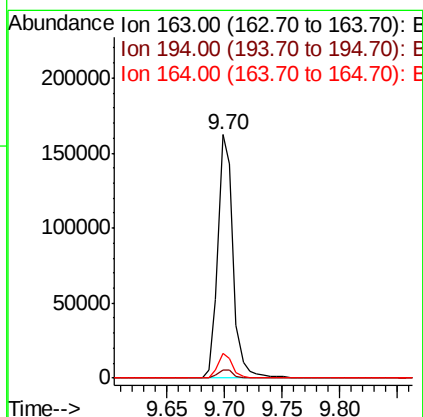
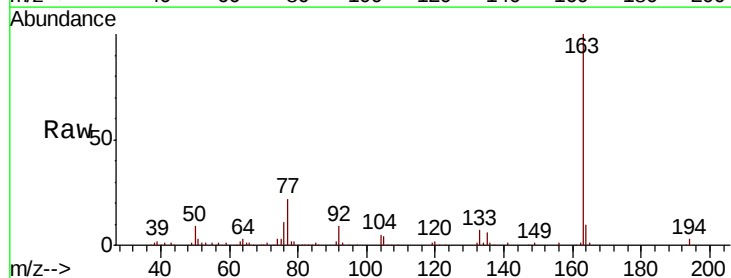
Instrument :
BNA_F
ClientSampleId :
JC-03-110218-F

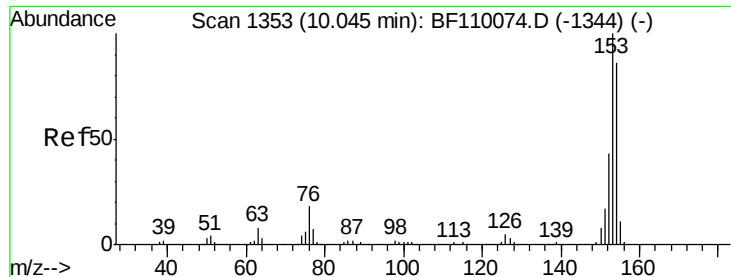
Tgt Ion:172 Resp: 673588
Ion Ratio Lower Upper
172 100
171 34.8 28.6 43.0
170 23.3 19.7 29.5



#50
Dimethylphthalate
Concen: 11.602 ng
RT: 9.70 min Scan# 1294
Delta R.T. -0.02 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion:163 Resp: 149862
Ion Ratio Lower Upper
163 100
194 3.3 3.2 4.8
164 10.0 8.1 12.1





#52

Acenaphthene

Concen: 8.235 ng

RT: 10.03 min Scan# 1350

Delta R.T. -0.01 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Instrument :

BNA_F

ClientSampleId :

JC-03-110218-F

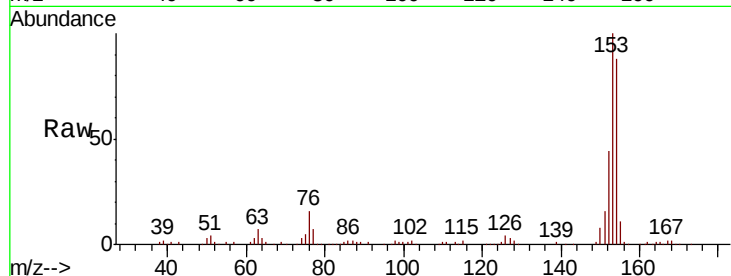
Tgt Ion:154 Resp: 91332

Ion Ratio Lower Upper

154 100

153 114.1 90.1 135.1

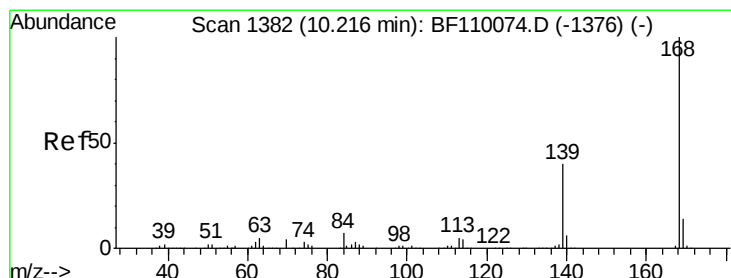
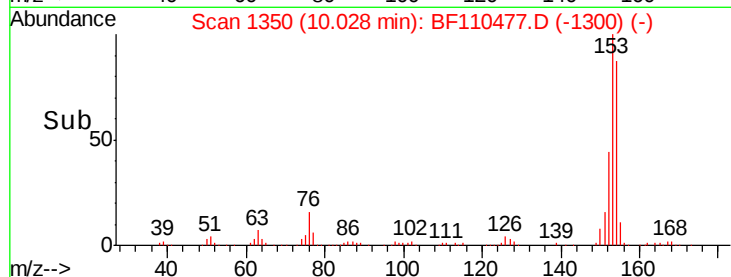
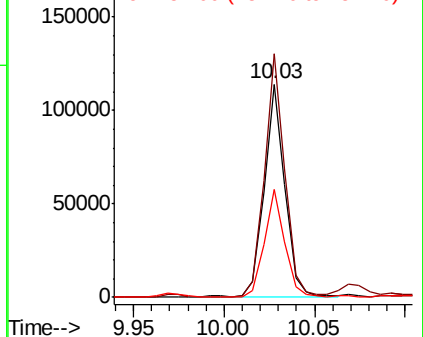
152 50.7 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 5.029 ng

RT: 10.20 min Scan# 1380

Delta R.T. 0.00 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

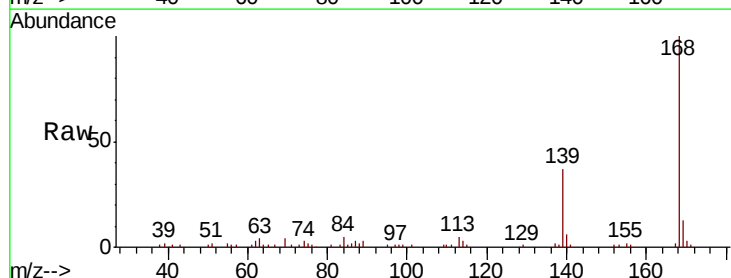
Tgt Ion:168 Resp: 78089

Ion Ratio Lower Upper

168 100

139 36.7 33.0 49.6

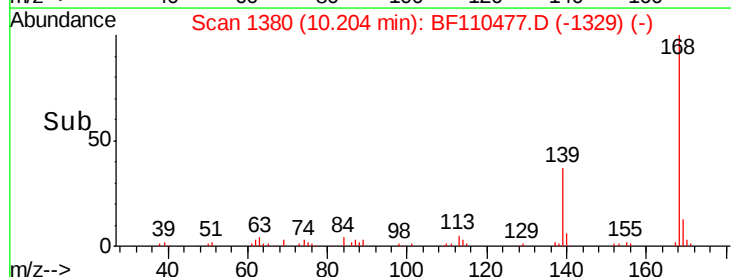
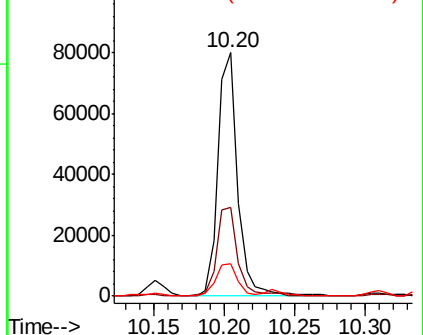
169 13.1 11.3 16.9

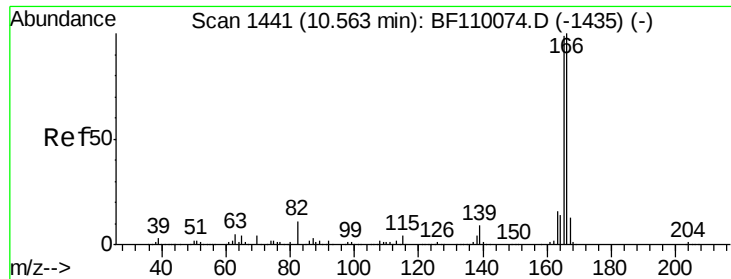


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

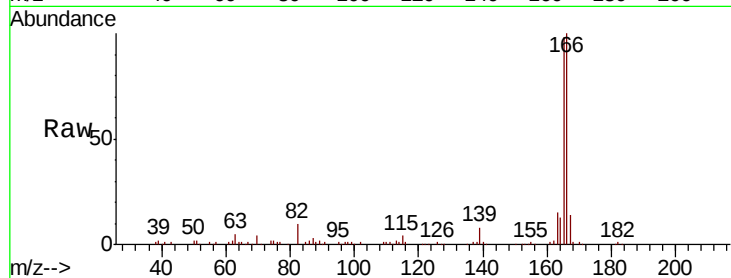




#58
 Fluorene
 Concen: 8.127 ng
 RT: 10.55 min Scan# 1438
 Delta R.T. -0.01 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-110218-F

Tgt Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.6	117.8
167	13.7	10.8	16.2

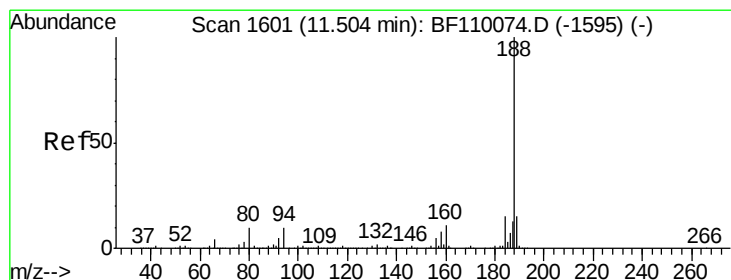
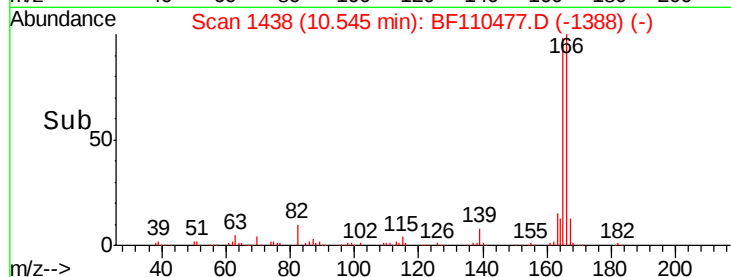
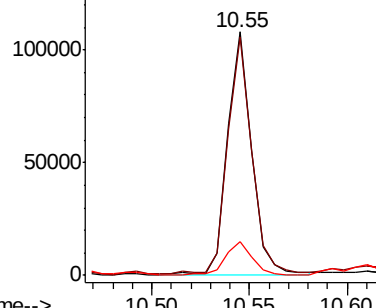


Abundance

Ion 166.00 (165.70 to 166.70): E

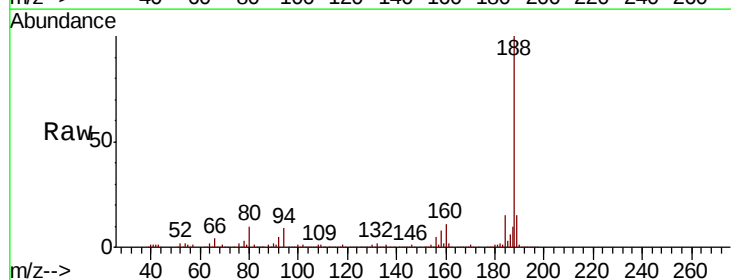
Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.2	10.8
80	9.7	7.9	11.9

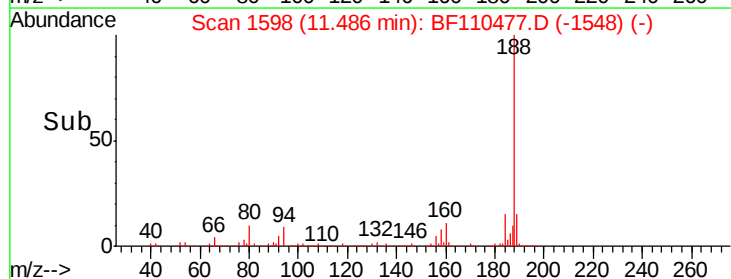
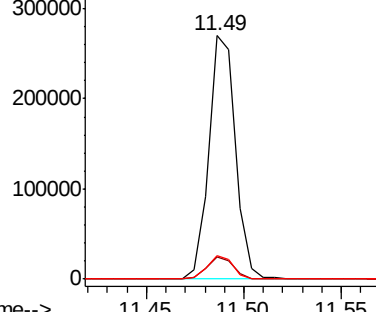


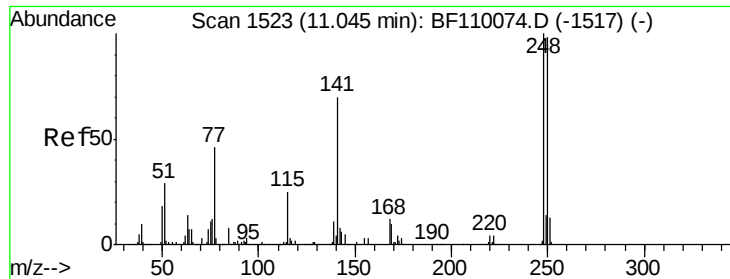
Abundance

Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

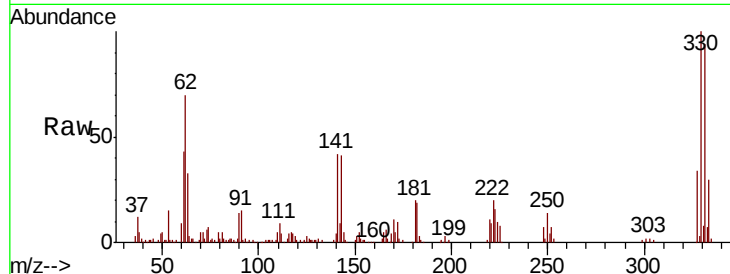




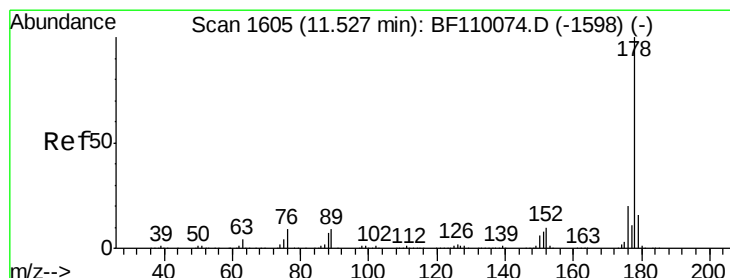
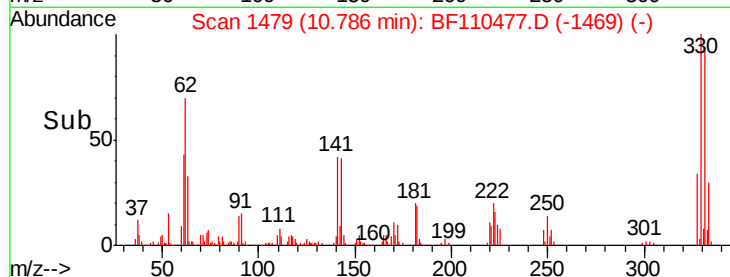
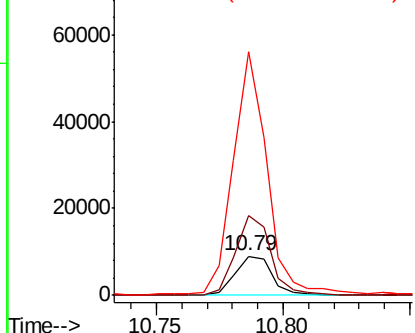
#67
 4-Bromophenyl-phenylether
 Concen: 3.250 ng
 RT: 10.79 min Scan# 1479
 Delta R.T. -0.24 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-110218-F

Tgt Ion:248 Resp: 9010
 Ion Ratio Lower Upper
 248 100
 250 206.8 79.4 119.2#
 141 626.6 55.9 83.9#

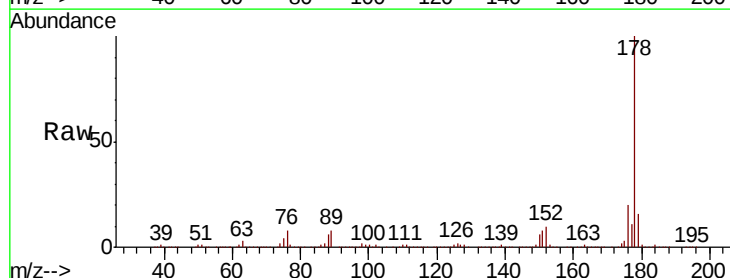


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

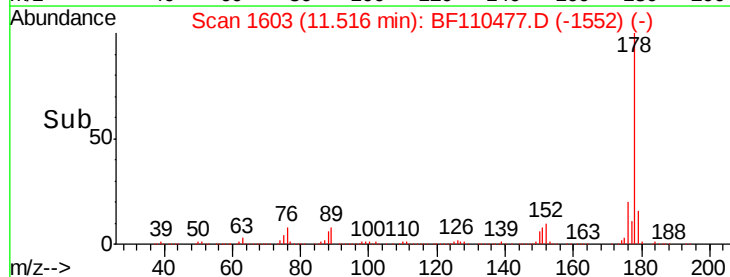
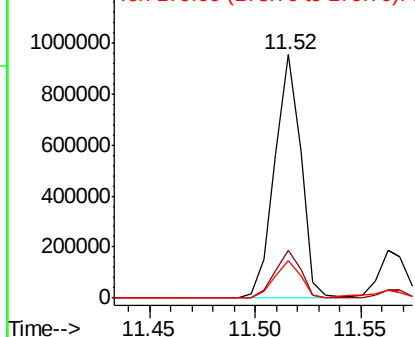


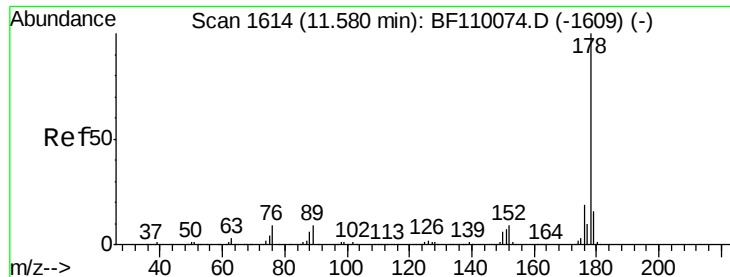
#71
 Phenanthrene
 Concen: 61.762 ng
 RT: 11.52 min Scan# 1603
 Delta R.T. 0.00 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Tgt Ion:178 Resp: 825880
 Ion Ratio Lower Upper
 178 100
 176 19.6 15.5 23.3
 179 15.7 12.5 18.7



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

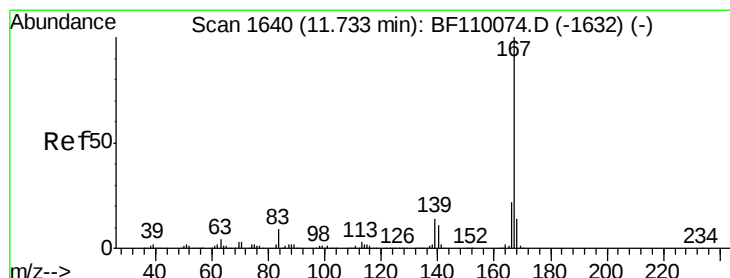
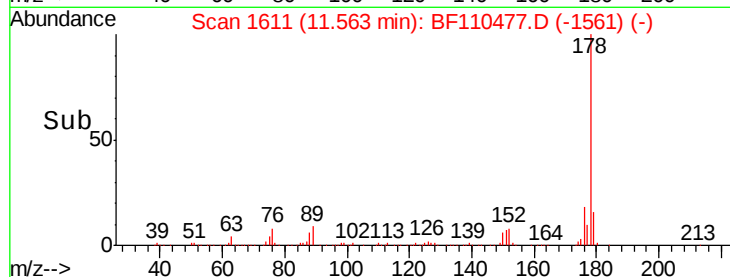
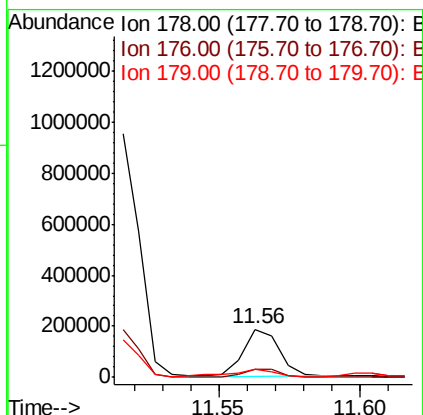
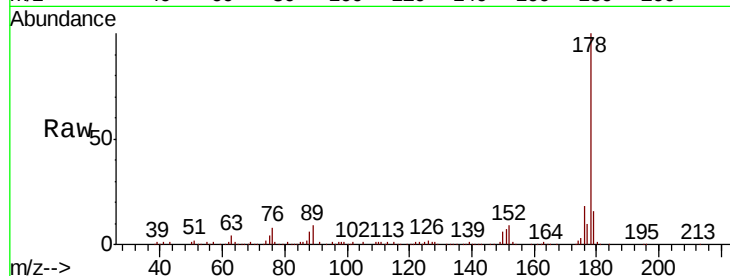




#72
 Anthracene
 Concen: 12.391 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

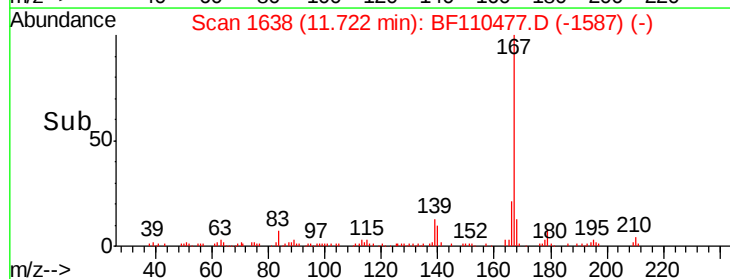
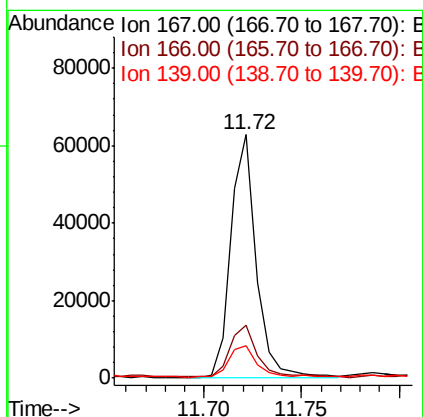
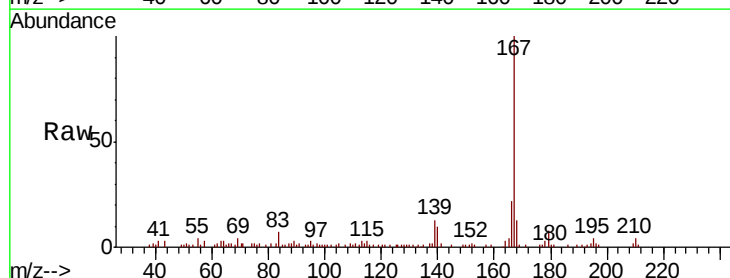
Instrument :
 BNA_F
 ClientSampleId :
 JC-03-110218-F

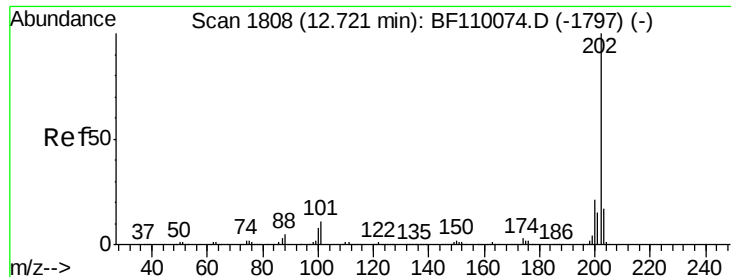
Tgt Ion:178 Resp: 166085
 Ion Ratio Lower Upper
 178 100
 176 17.5 15.4 23.2
 179 16.0 12.6 18.8



#73
 Carbazole
 Concen: 4.358 ng
 RT: 11.72 min Scan# 1638
 Delta R.T. 0.00 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Tgt Ion:167 Resp: 57034
 Ion Ratio Lower Upper
 167 100
 166 21.8 17.4 26.0
 139 13.1 10.9 16.3





#75

Fluoranthene

Concen: 61.104 ng

RT: 12.71 min Scan# 1806

Delta R.T. 0.00 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Instrument :

BNA_F

ClientSampleId :

JC-03-110218-F

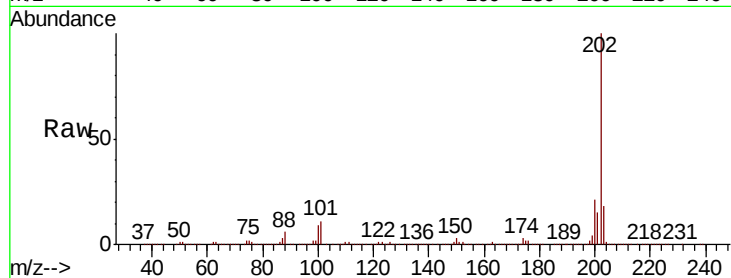
Tgt Ion:202 Resp: 829243

Ion Ratio Lower Upper

202 100

101 11.2 0.0 31.4

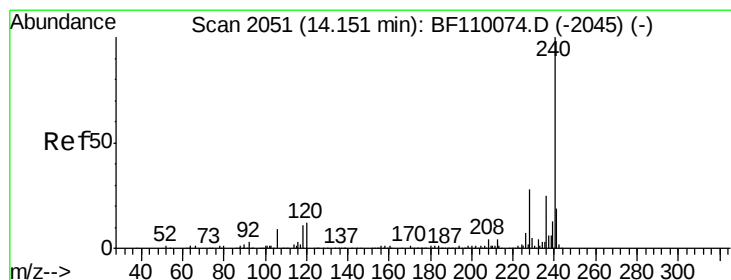
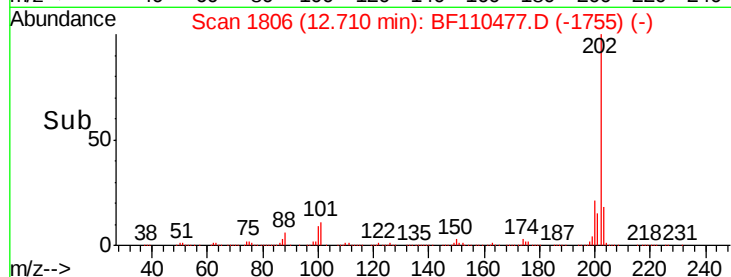
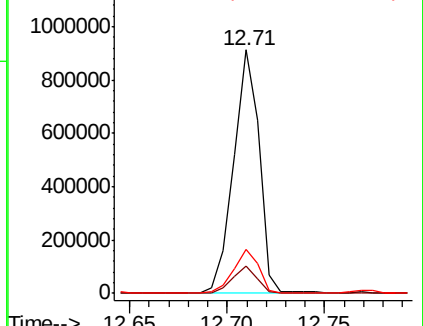
203 18.0 0.0 37.7



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: 14.14 min Scan# 2049

Delta R.T. 0.00 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

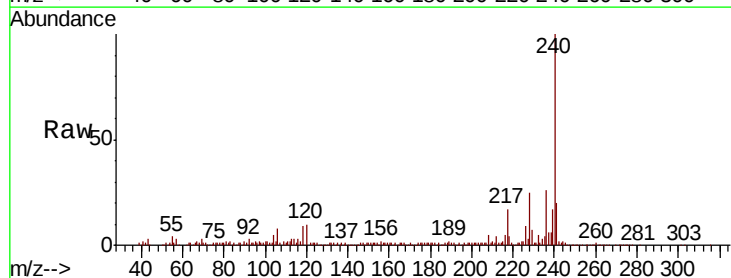
Tgt Ion:240 Resp: 187171

Ion Ratio Lower Upper

240 100

120 10.4 8.3 12.5

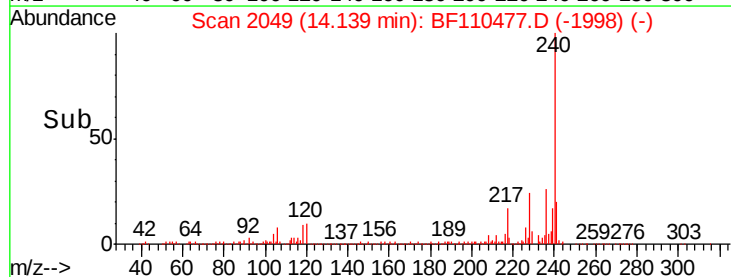
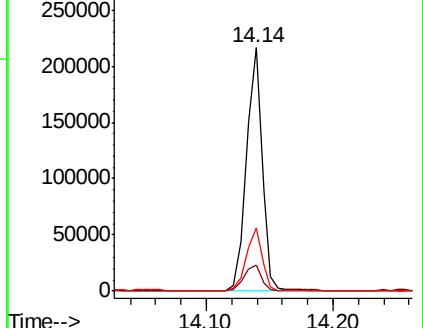
236 26.2 21.2 31.8

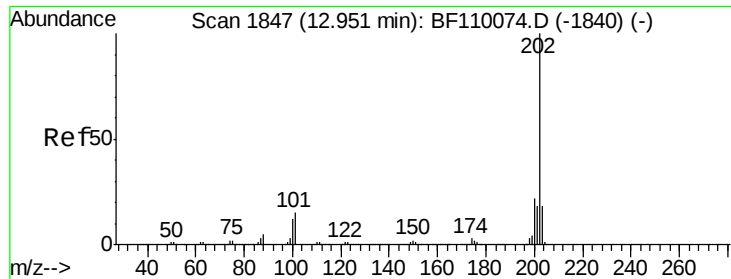


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

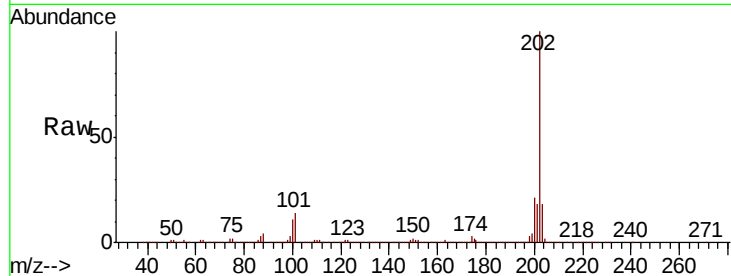




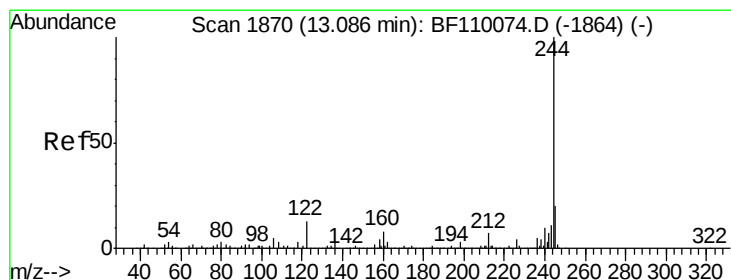
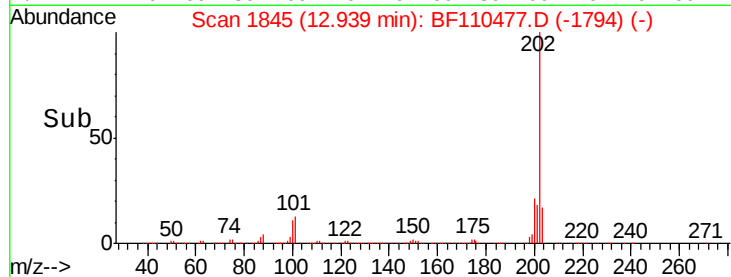
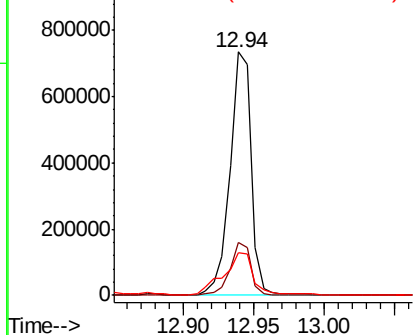
#78
 Pyrene
 Concen: 57.269 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. 0.00 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-110218-F

Tgt Ion: 202 Resp: 768465
 Ion Ratio Lower Upper
 202 100
 200 21.5 17.8 26.6
 203 17.7 14.2 21.4

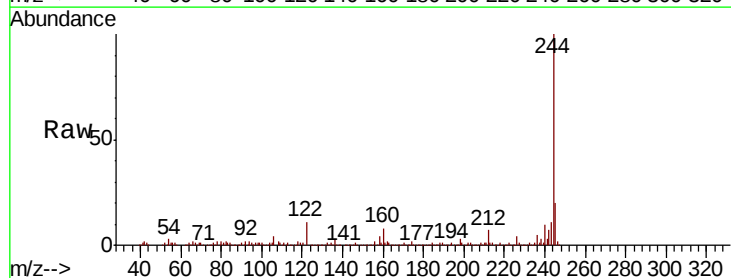


Abundance Ion 202.00 (201.70 to 202.70): E
 Ion 200.00 (199.70 to 200.70): E
 Ion 203.00 (202.70 to 203.70): E

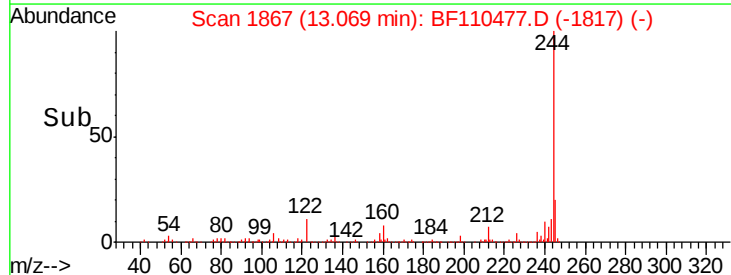
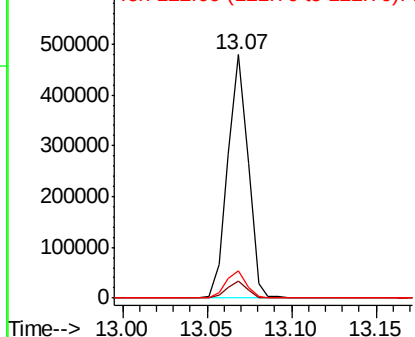


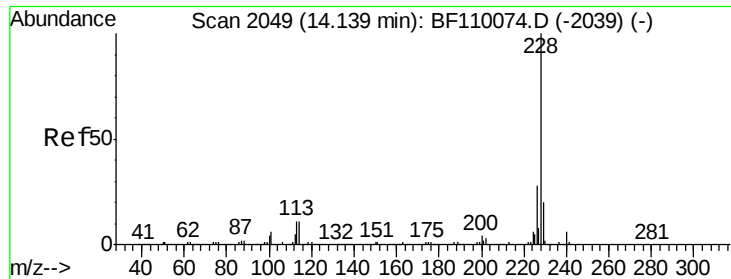
#79
 Terphenyl-d14
 Concen: 44.574 ng
 RT: 13.07 min Scan# 1867
 Delta R.T. -0.01 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Tgt Ion: 244 Resp: 401163
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.8 8.8
 122 11.3 8.7 13.1



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: 31.089 ng

RT: 14.13 min Scan# 2047

Delta R.T. 0.00 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Instrument :

BNA_F

ClientSampleId :

JC-03-110218-F

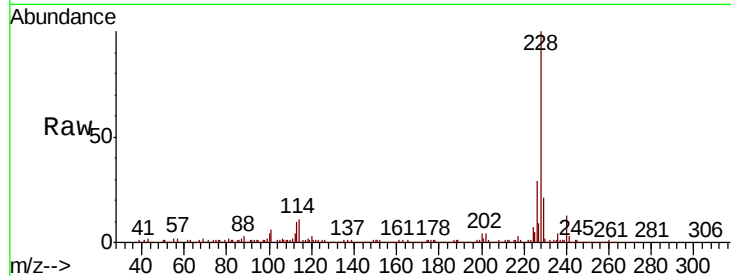
Tgt Ion:228 Resp: 345077

Ion Ratio Lower Upper

228 100

226 28.6 22.1 33.1

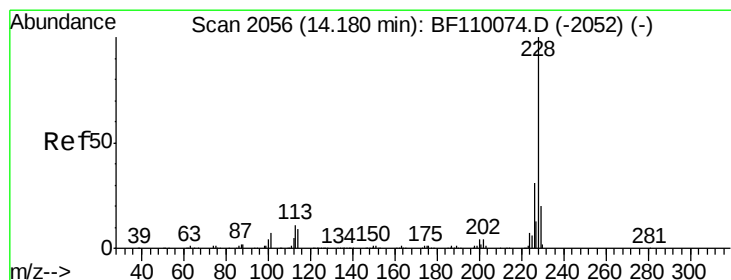
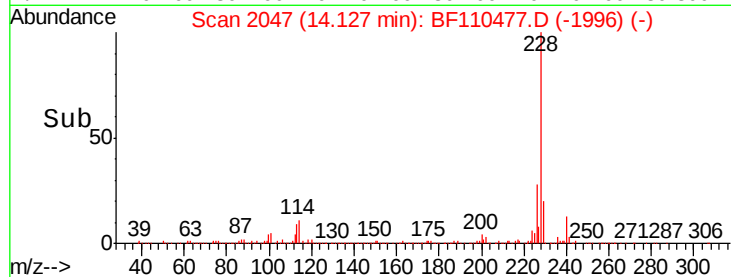
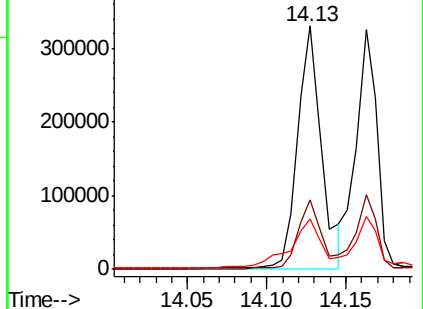
229 20.5 15.6 23.4



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



#83

Chrysene

Concen: 28.496 ng

RT: 14.16 min Scan# 2053

Delta R.T. -0.01 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

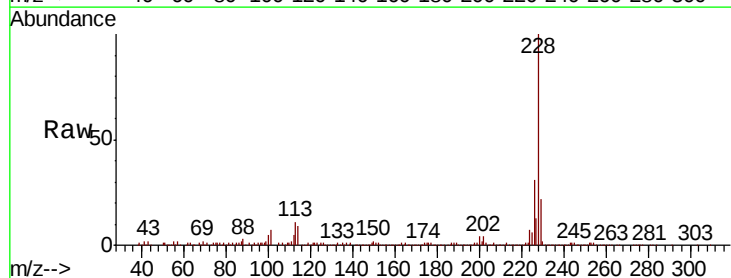
Tgt Ion:228 Resp: 300418

Ion Ratio Lower Upper

228 100

226 31.1 24.7 37.1

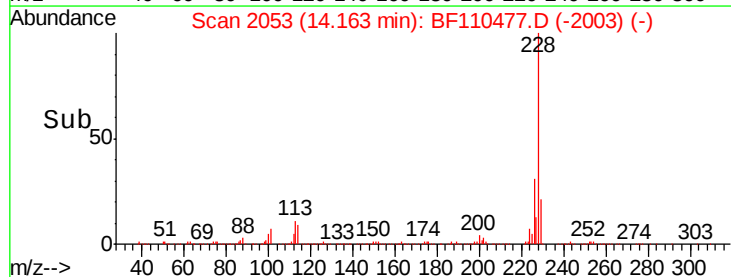
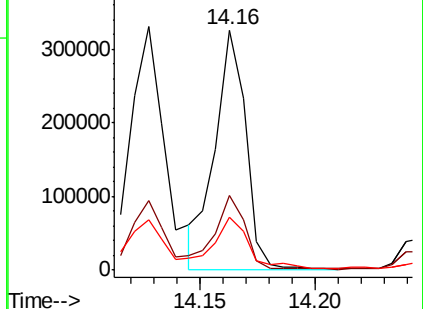
229 22.2 15.9 23.9

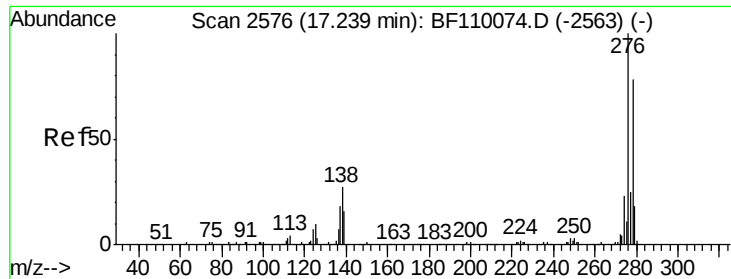


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

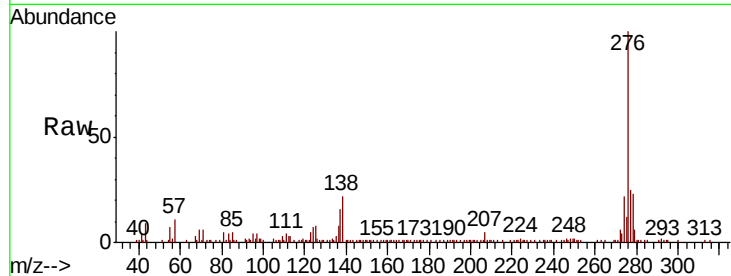




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 12.867 ng
 RT: 17.23 min Scan# 2574
 Delta R.T. 0.00 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Instrument :
 BNA_F
 ClientSampleId :
 JC-03-110218-F

Tgt Ion	Ratio	Lower	Upper
276	100		
138	21.9	18.5	27.7
277	24.5	20.0	30.0

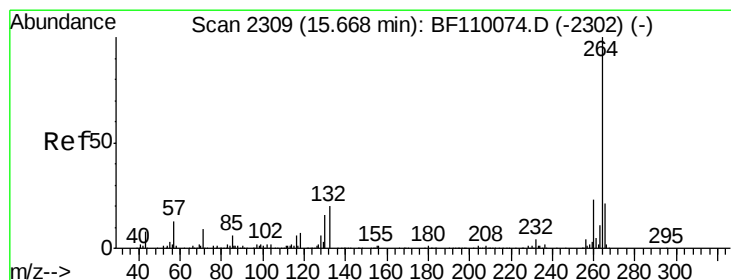
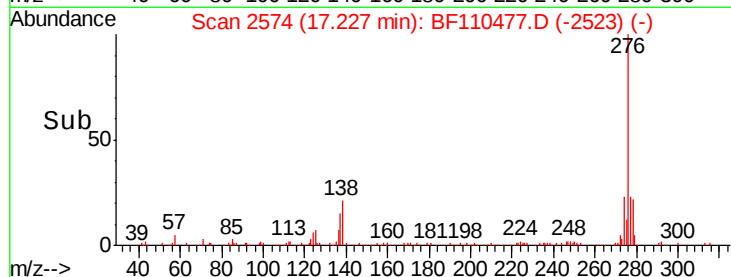
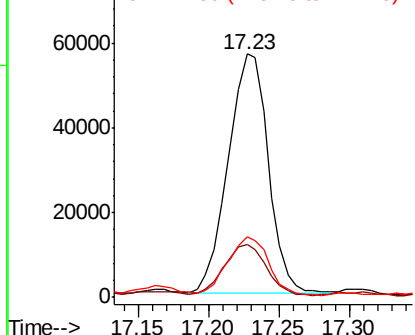


Abundance

Ion 276.00 (275.70 to 276.70): E

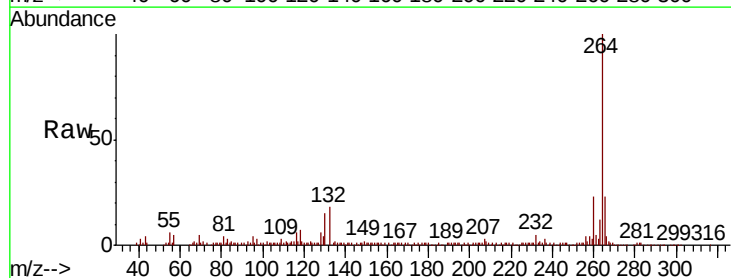
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.66 min Scan# 2308
 Delta R.T. 0.01 min
 Lab File: BF110477.D
 Acq: 5 Nov 2018 20:45

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	23.0	16.7	25.1

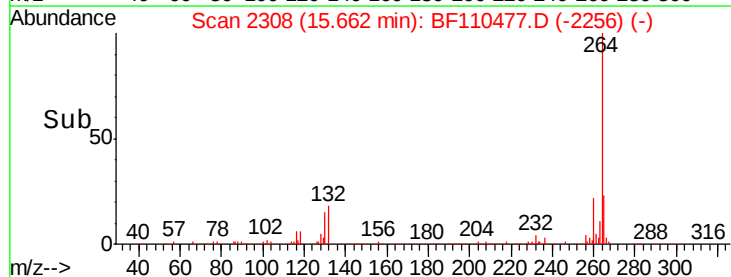
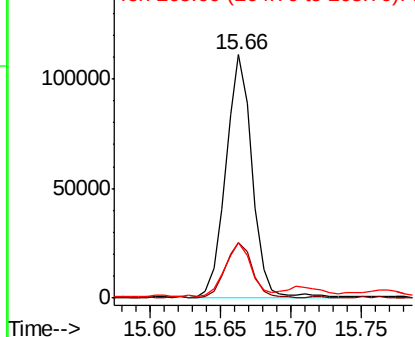


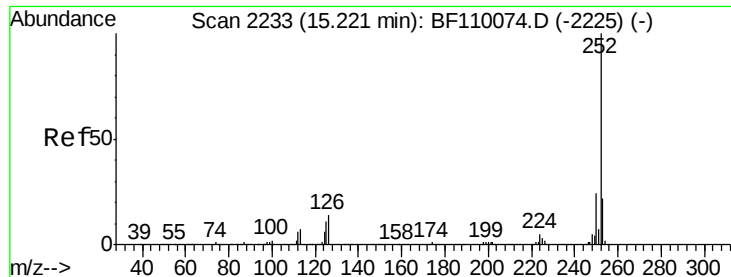
Abundance

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

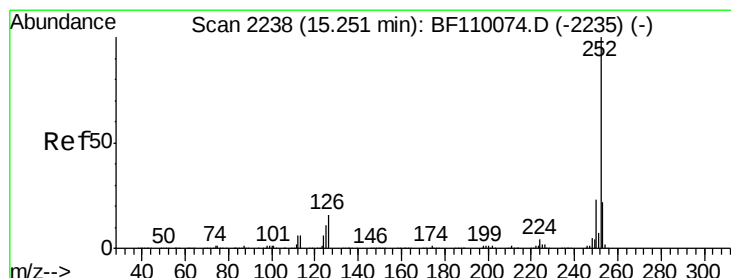
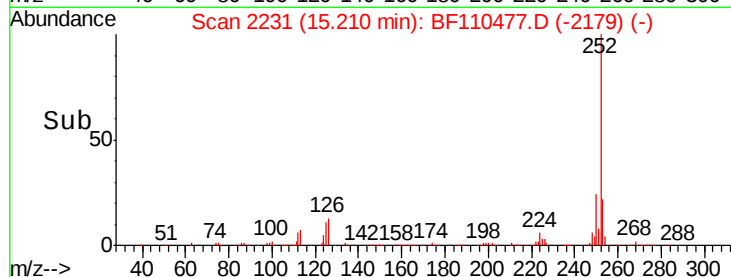
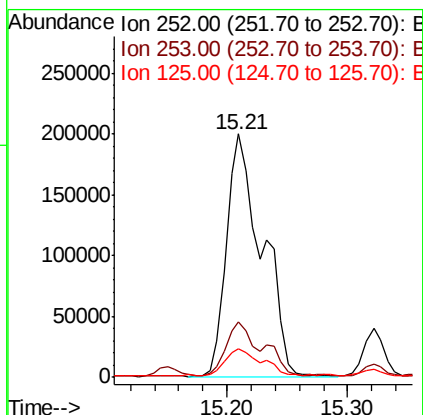
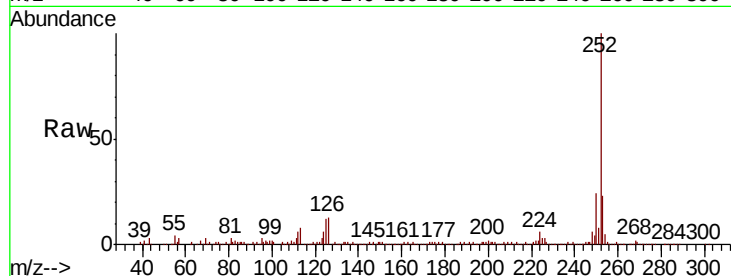




#88
Benzo(b)fluoranthene
Concen: 49.659 ng
RT: 15.21 min Scan# 2231
Delta R.T. 0.01 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

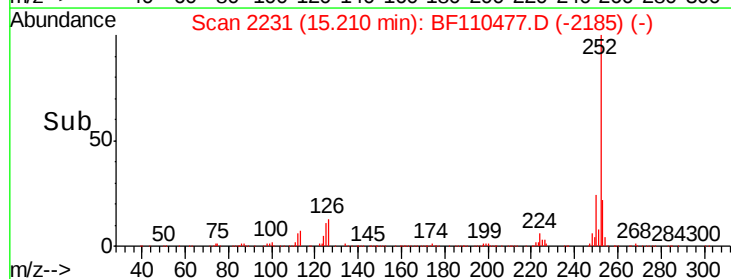
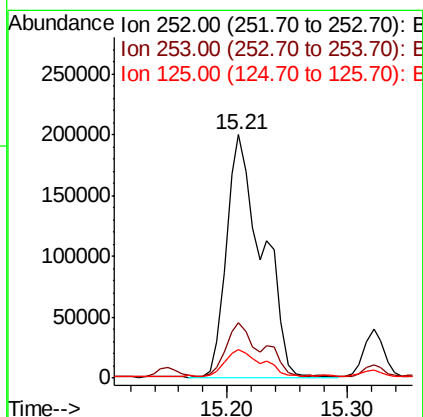
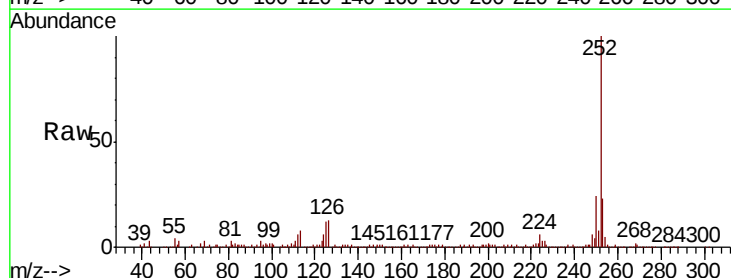
Instrument :
BNA_F
ClientSampleId :
JC-03-110218-F

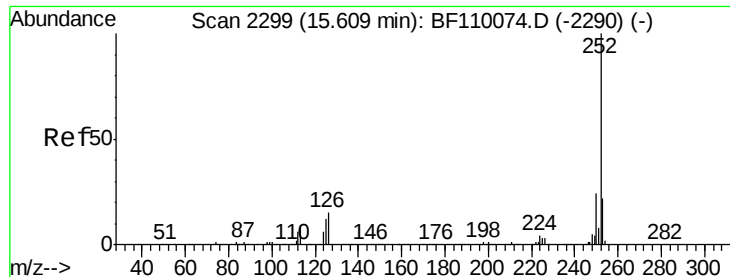
Tgt Ion:252 Resp: 407694
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 11.9 8.2 12.4



#89
Benzo(k)fluoranthene
Concen: 50.513 ng
RT: 15.21 min Scan# 2231
Delta R.T. -0.03 min
Lab File: BF110477.D
Acq: 5 Nov 2018 20:45

Tgt Ion:252 Resp: 407694
Ion Ratio Lower Upper
252 100
253 22.8 17.2 25.8
125 11.9 7.4 11.0#





#90

Benzo(a)pyrene

Concen: 29.662 ng

RT: 15.60 min Scan# 2297

Delta R.T. 0.01 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Instrument :

BNA_F

ClientSampleId :

JC-03-110218-F

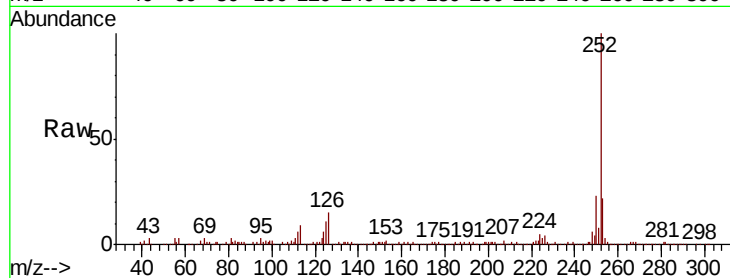
Tgt Ion:252 Resp: 224080

Ion Ratio Lower Upper

252 100

253 21.9 18.2 27.4

125 11.3 9.0 13.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

250000

200000

150000

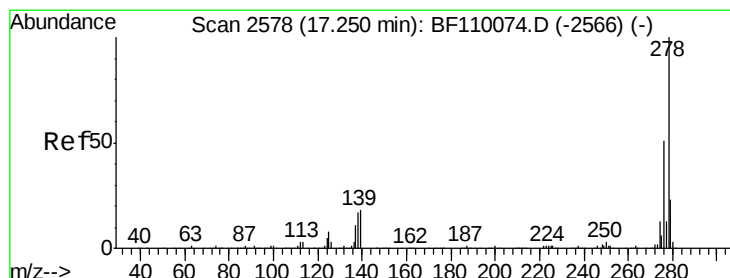
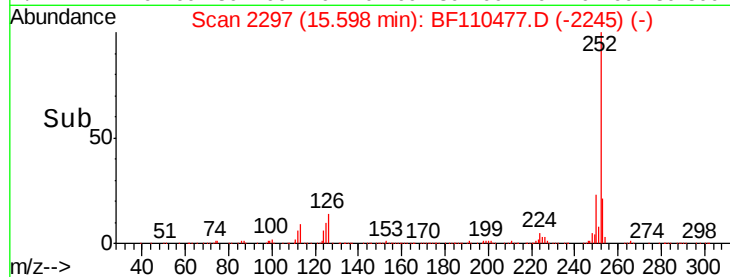
100000

50000

0

15.55 15.60 15.65

Time-->



#91

Dibenzo(a,h)anthracene

Concen: 4.358 ng

RT: 17.23 min Scan# 2575

Delta R.T. -0.01 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

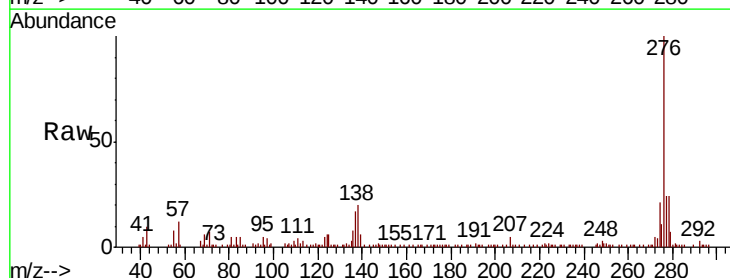
Tgt Ion:278 Resp: 28408

Ion Ratio Lower Upper

278 100

139 24.1 12.7 19.1#

279 27.1 19.0 28.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

15000

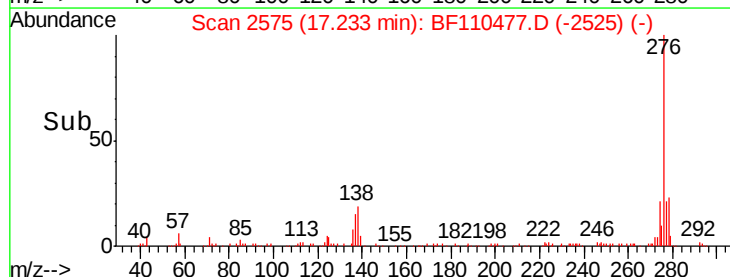
10000

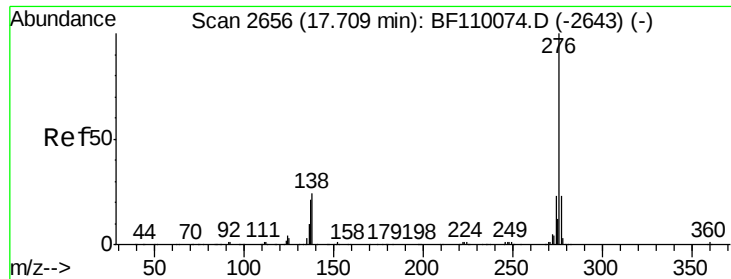
5000

0

17.15 17.20 17.25 17.30

Time-->





#92

Benzo(g,h,i)perylene

Concen: 17.027 ng

RT: 17.71 min Scan# 2656

Delta R.T. 0.01 min

Lab File: BF110477.D

Acq: 5 Nov 2018 20:45

Instrument :

BNA_F

ClientSampleId :

JC-03-110218-F

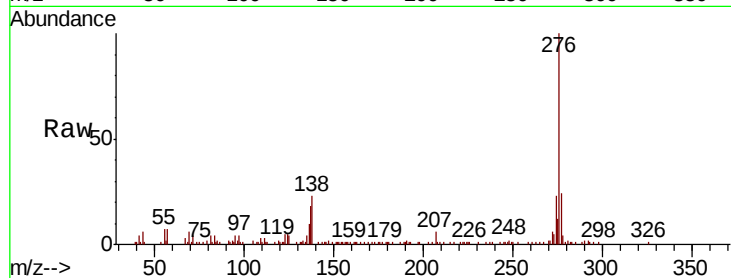
Tgt Ion: 276 Resp: 109365

Ion Ratio Lower Upper

276 100

277 24.4 18.8 28.2

138 22.6 16.0 24.0



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

