

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090519\
 Data File : BF116846.D
 Acq On : 5 Sep 2019 18:55
 Operator : HP/JU
 Sample : K4692-14 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 06 03:56:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	66049	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	275529	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	143192	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	211075	20.00	ng	0.00
76) Chrysene-d12	14.02	240	148471	20.00	ng	0.02
87) Perylene-d12	15.47	264	127577	20.00	ng	0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	253298	62.13	ng	0.00
7) Phenol-d6	6.47	99	355527	66.41	ng	0.00
23) Nitrobenzene-d5	7.40	82	212772	44.08	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	69867	72.99	ng	0.00
45) 2-Fluorobiphenyl	9.20	172	412634	48.61	ng	-0.01
79) Terphenyl-d14	12.95	244	368555	45.92	ng	0.00

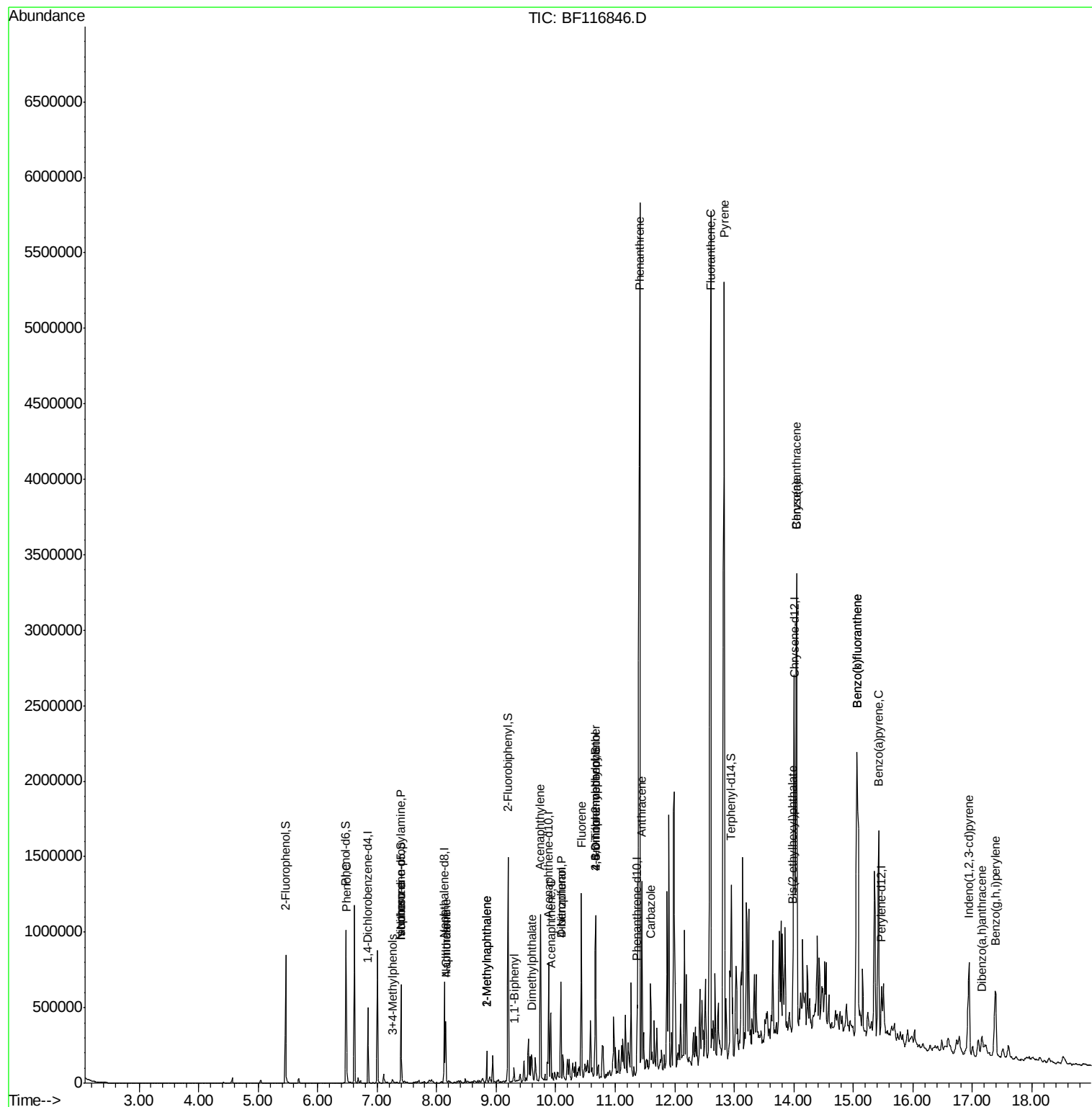
Target Compounds				Qvalue		
10) Phenol	6.49	94	19127	3.227	ng	81
19) n-Nitroso-di-n-propylamine	7.40	70	28206	8.002	ng	# 75
20) 3+4-Methylphenols	7.26	107	9436	2.083	ng	# 71
25) Isophorone	7.40	82	212768	21.755	ng	# 66
31) Naphthalene	8.15	128	165382	12.623	ng	100
33) 4-Chloroaniline	8.15	127	21132	3.543	ng	# 34
37) 2-Methylnaphthalene	8.84	142	49729	5.705	ng	96
38) 1-Methylnaphthalene	8.84	142	49729	6.043	ng	94
46) 1,1'-Biphenyl	9.30	154	24727	2.276	ng	98
49) Acenaphthylene	9.75	152	490967	37.741	ng	99
50) Dimethylphthalate	9.59	163	57768	5.843	ng	98
52) Acenaphthene	9.91	154	91580	11.457	ng	97
55) Dibenzofuran	10.09	168	192529	17.086	ng	98
56) 4-Nitrophenol	10.09	139	79593	49.108	ng	# 3
58) Fluorene	10.43	166	317434	36.972	ng	99
65) 4,6-Dinitro-2-methylphenol	10.67	198	129	7.591	ng	# 1
67) 4-Bromophenyl-phenylether	10.67	248	4645	2.166	ng	# 1
71) Phenanthrene	11.41	178	2828195	240.702	ng	97
72) Anthracene	11.45	178	413430	34.954	ng	100
73) Carbazole	11.59	167	217201	19.278	ng	99
75) Fluoranthene	12.60	202	3233692	280.043	ng	96
78) Pyrene	12.83	202	2833693	214.705	ng	97
81) Benzo(a)anthracene	14.04	228	1233788	131.300	ng	94
83) Chrysene	14.04	228	1233788	127.446	ng	96
84) Bis(2-ethylhexyl)phthalate	13.98	149	26423	3.335	ng	# 92
86) Indeno(1,2,3-cd)pyrene	16.94	276	410104	52.740	ng	98
88) Benzo(b)fluoranthene	15.06	252	1623849	210.531	ng	# 96
89) Benzo(k)fluoranthene	15.06	252	1623849	230.902	ng	# 96
90) Benzo(a)pyrene	15.43	252	684451	101.997	ng	99
91) Dibenzo(a,h)anthracene	17.16	278	63102	10.743	ng	96
92) Benzo(g,h,i)perylene	17.39	276	365851	61.072	ng	98

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

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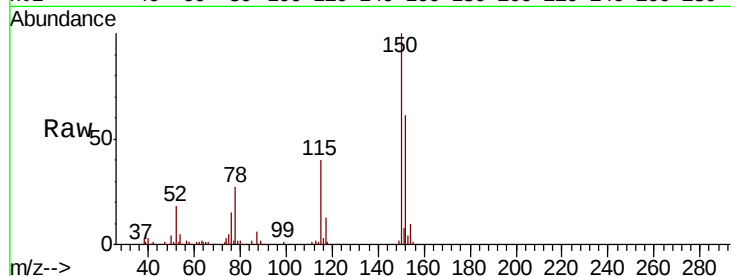


#1

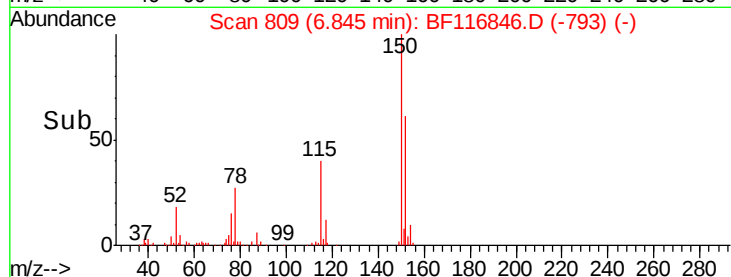
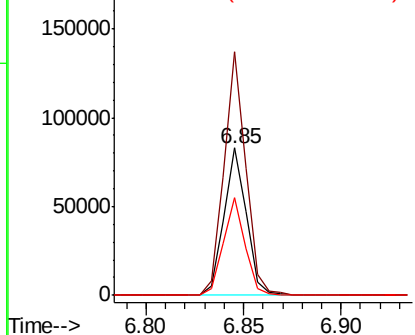
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.1	124.4	186.6
115	66.0	49.9	74.9



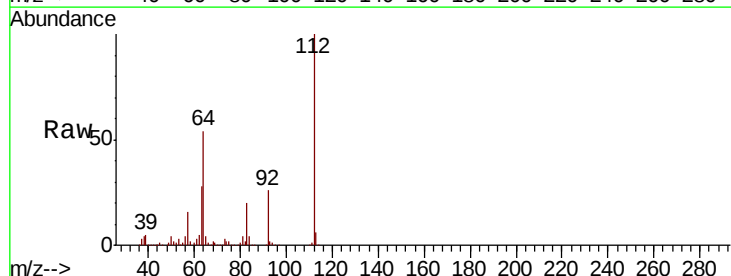
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



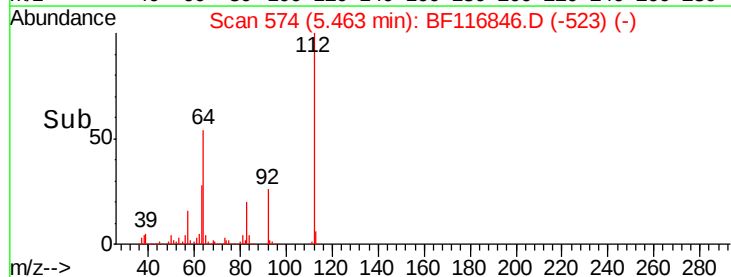
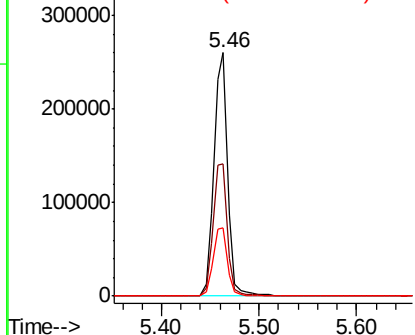
#5

2-Fluorophenol
Concen: 62.129 ng
RT: 5.46 min Scan# 574
Delta R.T. 0.00 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	47.1	70.7
63	28.0	24.9	37.3



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: 66.410 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

Instrument :

BNA_F

ClientSampled :

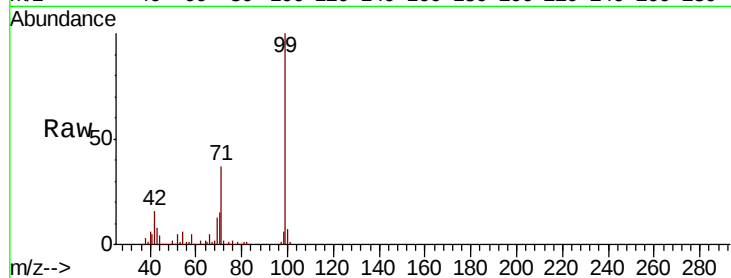
Tot Ion: 99 Resp: 355527

Ion Ratio Lower Upper

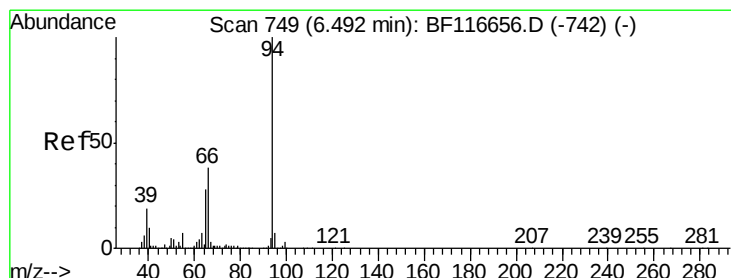
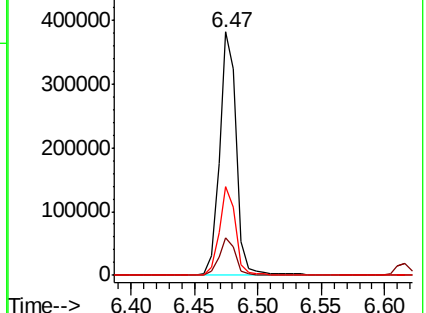
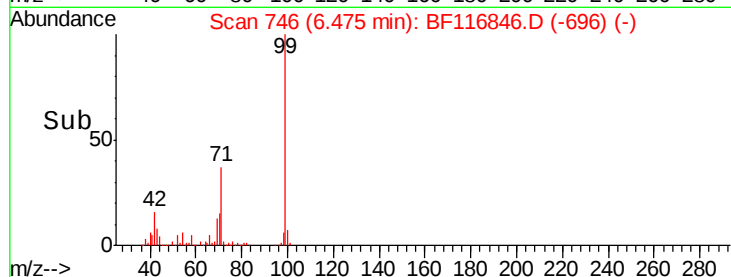
99 100

42 15.5 13.7 20.5

71 36.6 30.8 46.2



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: 3.227 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

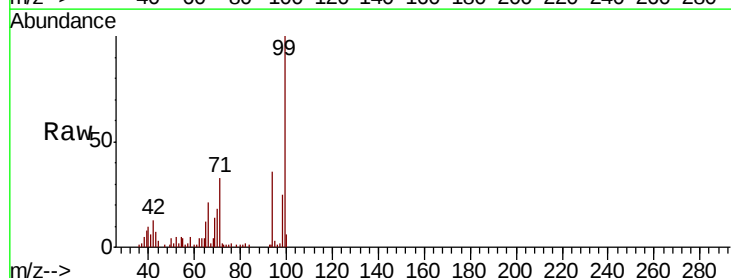
Tgt Ion: 94 Resp: 19127

Ion Ratio Lower Upper

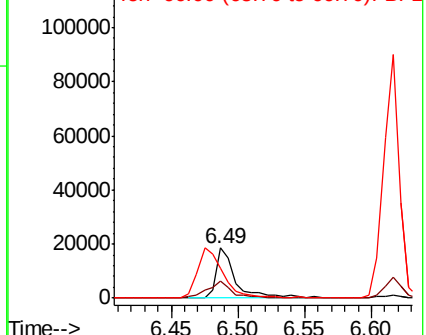
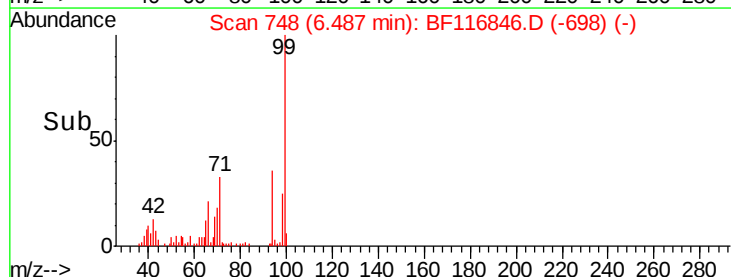
94 100

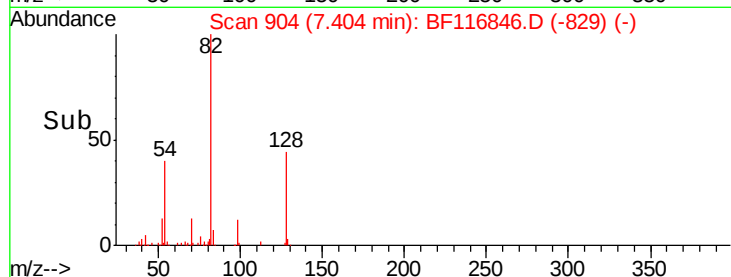
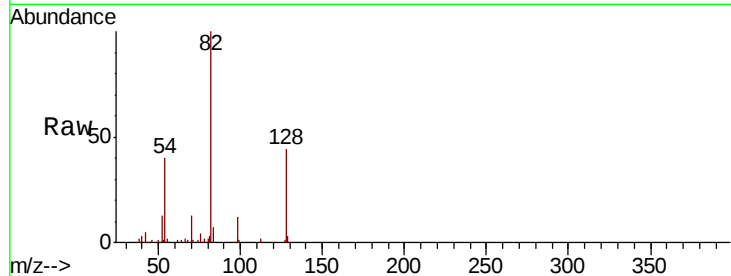
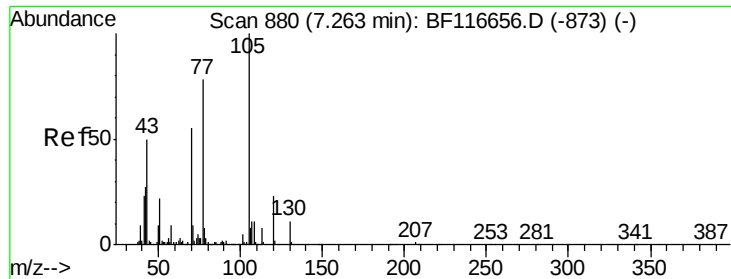
65 35.1 10.8 50.8

66 58.3 21.1 61.1



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

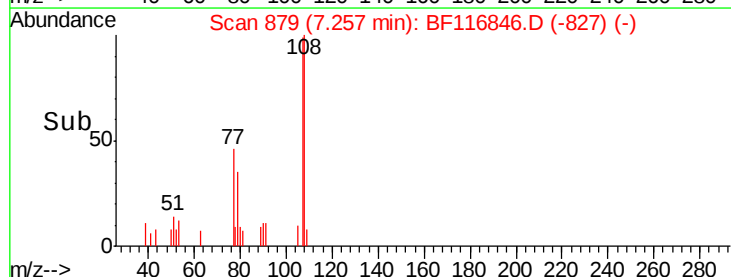
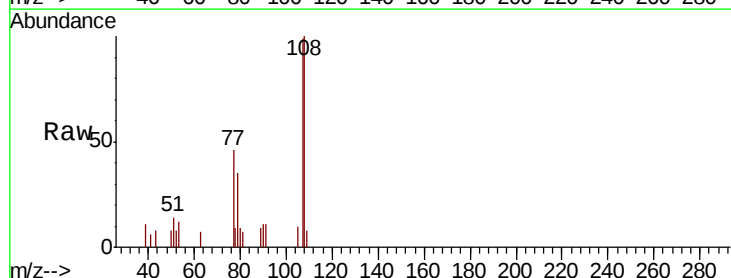
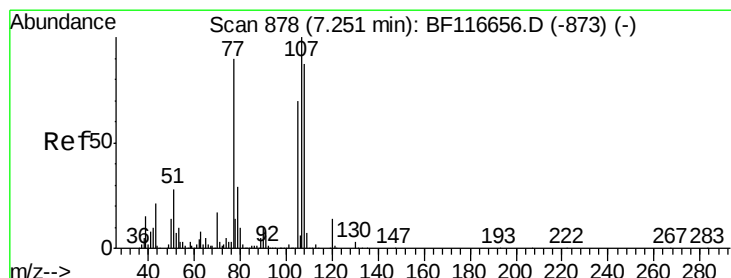
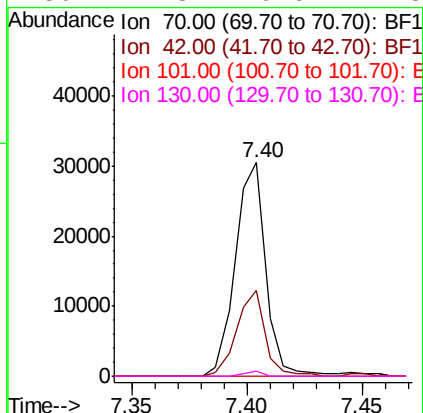




#19
n-Nitroso-di-n-propylamine
Concen: 8.002 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

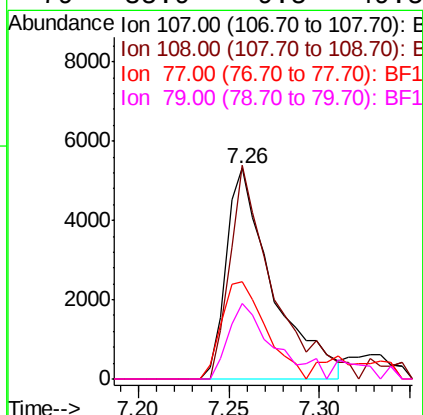
Instrument :
BNA_F
ClientSampleId :

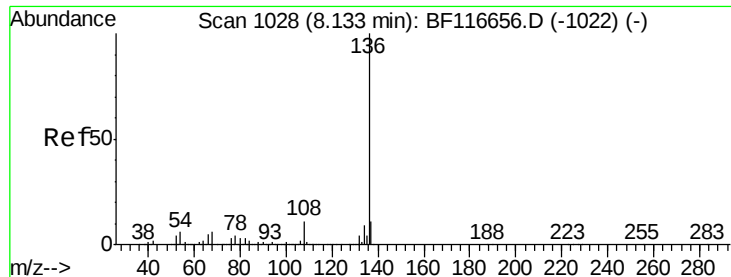
Tot Ion:	70	Resp:	28206
Ion	Ratio	Lower	Upper
70	100		
42	40.2	43.5	65.3#
101	0.0	7.8	11.6#
130	2.3	16.6	24.8#



#20
3+4-Methylphenols
Concen: 2.083 ng
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

Tgt Ion:	107	Resp:	9436
Ion	Ratio	Lower	Upper
107	100		
108	101.1	65.5	105.5
77	46.4	69.4	109.4#
79	35.9	9.5	49.5

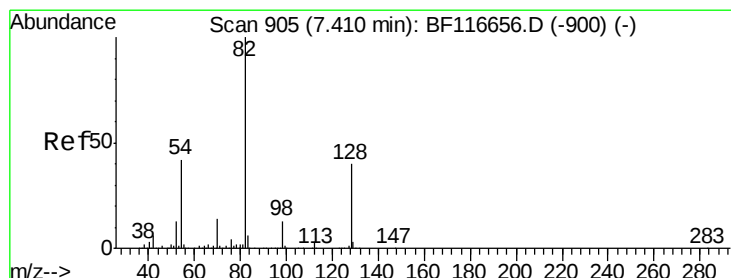
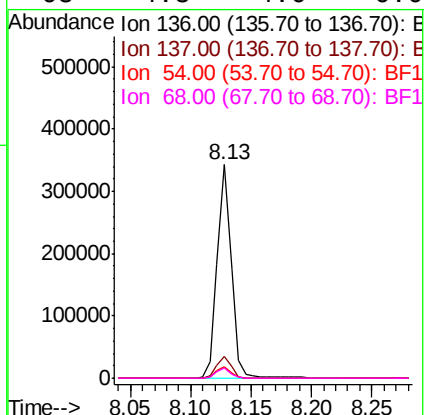
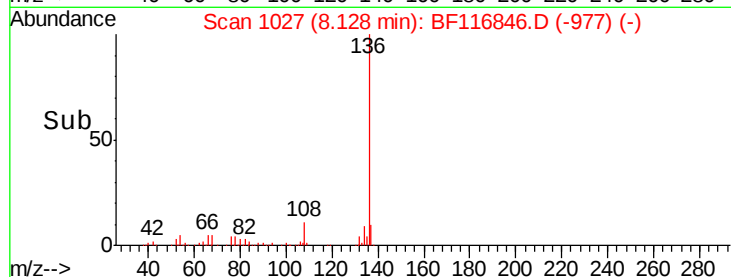
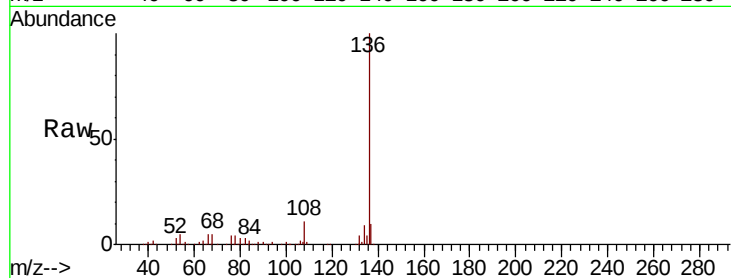




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

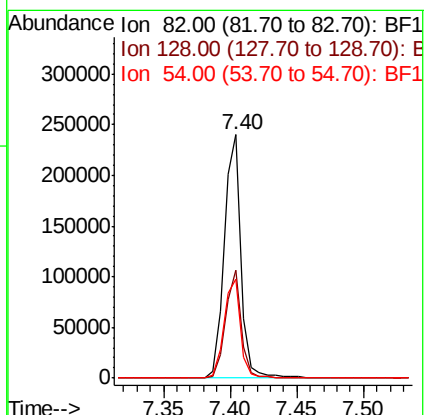
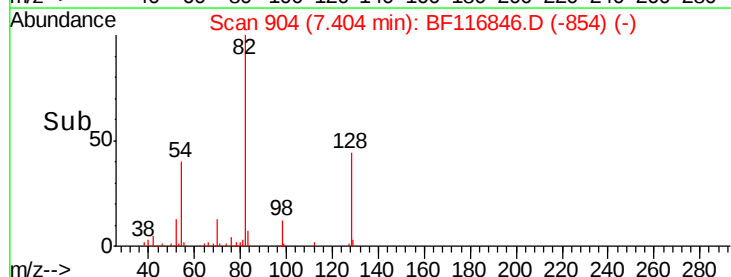
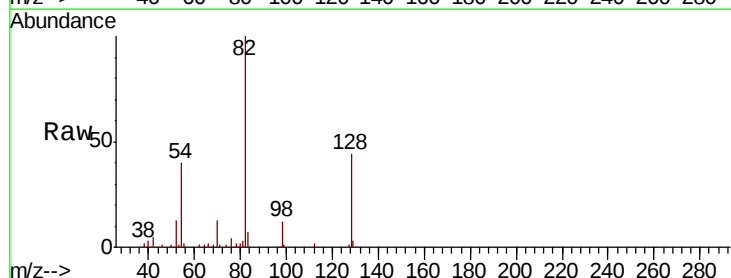
Instrument :
BNA_F
ClientSampled :

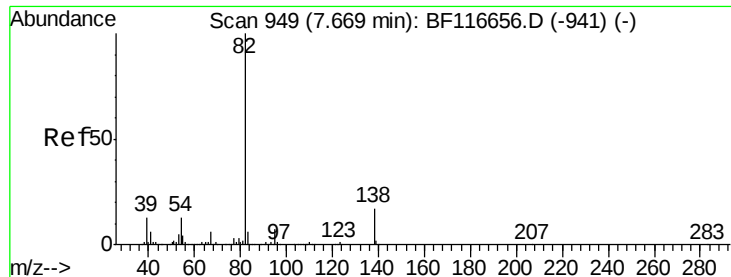
Tot Ion:136	Resp:	275529
Ion Ratio	Lower	Upper
136 100		
137 10.5	8.9	13.3
54 5.4	4.8	7.2
68 4.8	4.0	6.0



#23
Nitrobenzene-d5
Concen: 44.085 ng
RT: 7.40 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

Tgt Ion: 82	Resp: 212772
Ion Ratio	Lower Upper
82 100	
128 44.4	32.8 49.2
54 40.5	36.9 55.3





#25

Isophorone

Concen: 21.755 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

Instrument :

BNA_F

ClientSampleId :

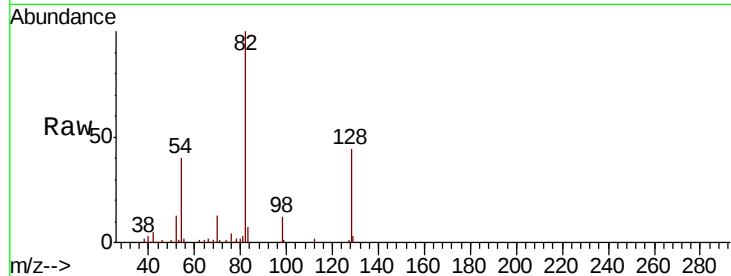
Tot Ion: 82 Resp: 212768

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

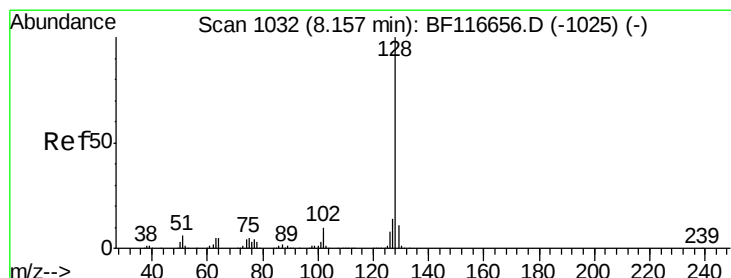
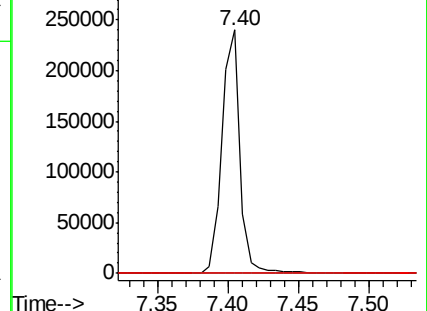
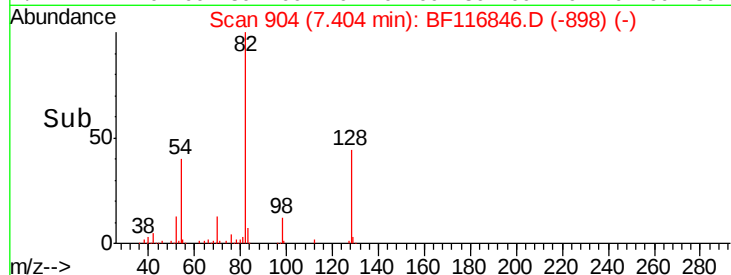
138 0.0 13.5 20.3#



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: 12.623 ng

RT: 8.15 min Scan# 1031

Delta R.T. -0.01 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

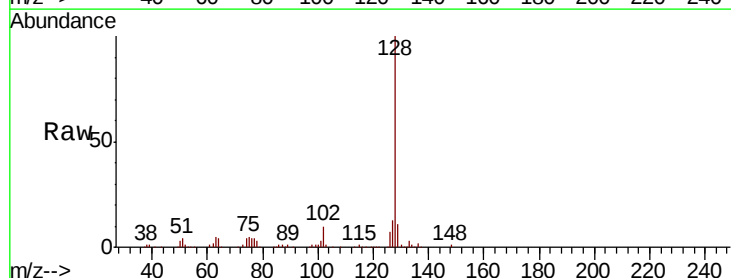
Tgt Ion: 128 Resp: 165382

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

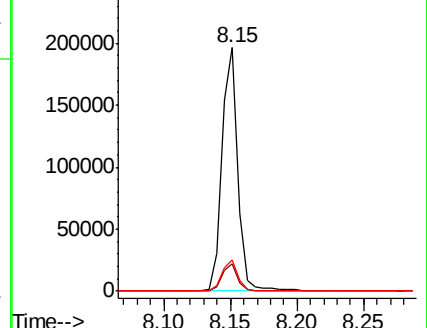
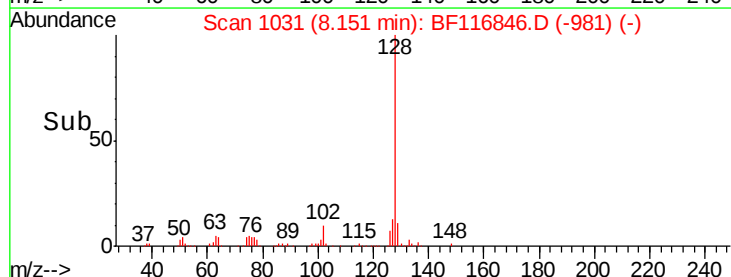
127 12.8 10.4 15.6

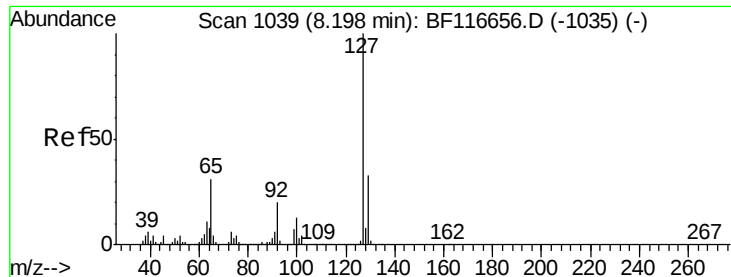


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

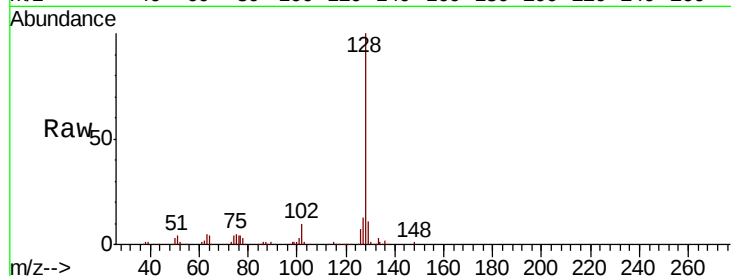




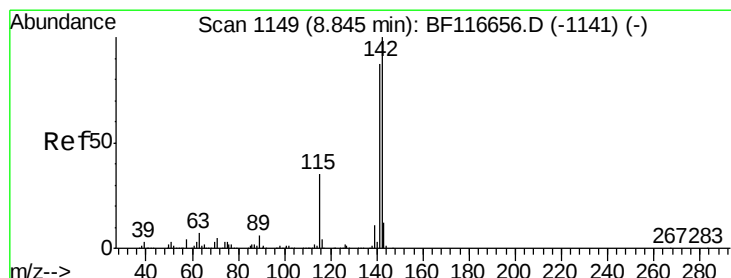
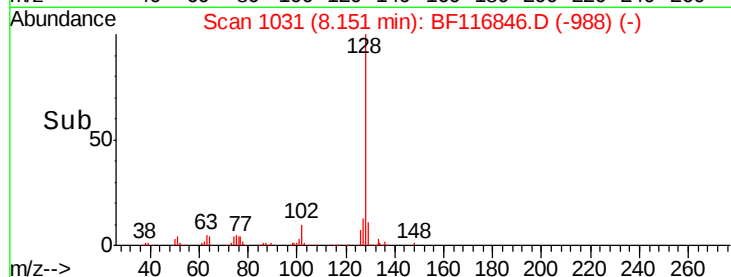
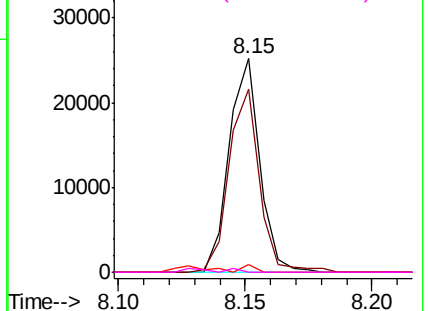
#33
4-Chloroaniline
Concen: 3.543 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.05 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:127	Resp:	21132
Ion Ratio	Lower	Upper
127	100	
129	85.8	26.2 39.2#
65	3.7	26.0 39.0#
92	0.0	16.1 24.1#

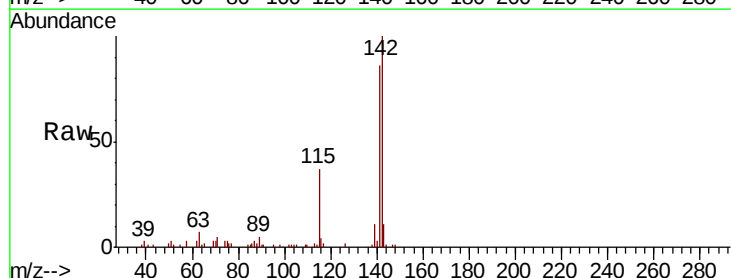


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

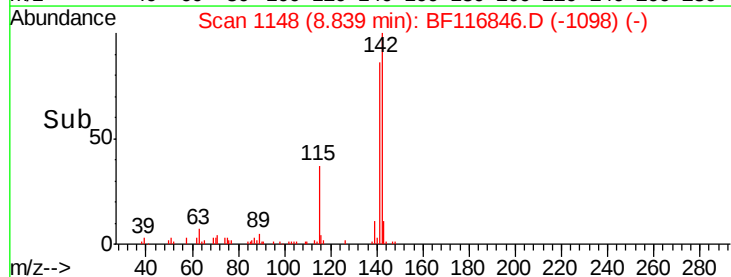
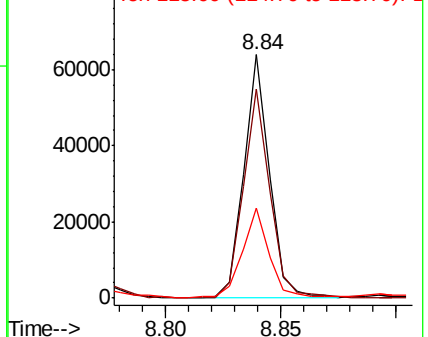


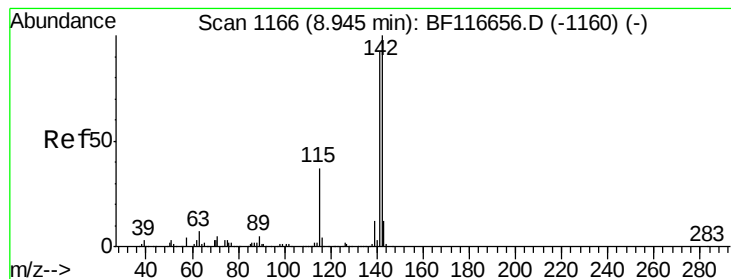
#37
2-Methylnaphthalene
Concen: 5.705 ng
RT: 8.84 min Scan# 1148
Delta R.T. -0.01 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

Tgt Ion:142	Resp:	49729
Ion Ratio	Lower	Upper
142	100	
141	86.1	72.6 109.0
115	36.7	29.8 44.6



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: 6.043 ng

RT: 8.84 min Scan# 1148

Delta R.T. -0.11 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

Instrument :

BNA_F

ClientSampleId :

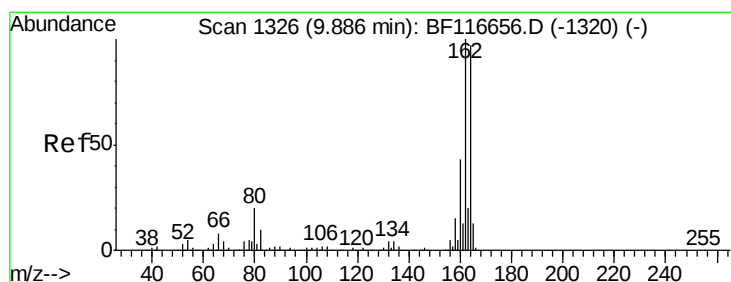
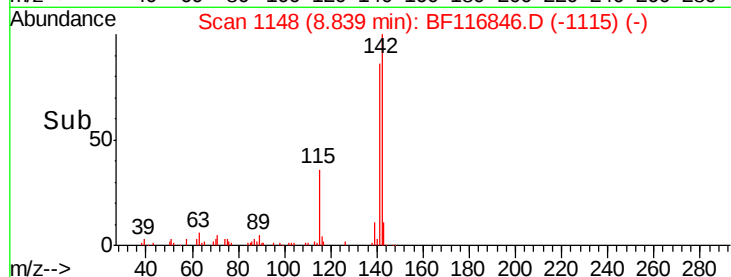
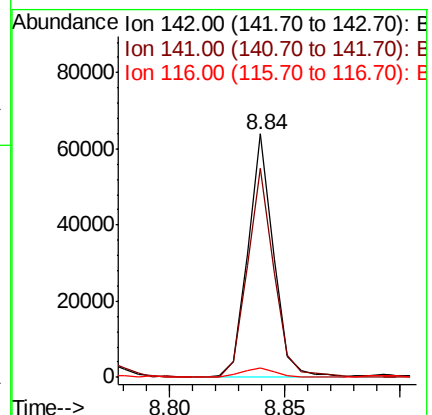
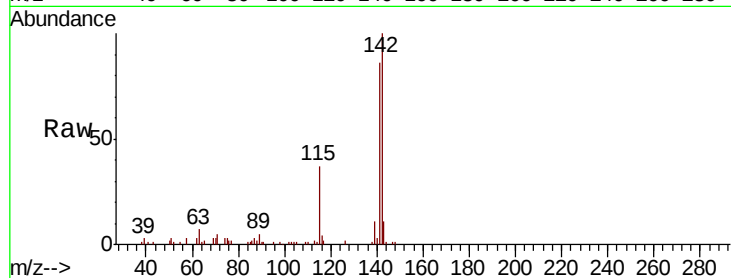
Tot Ion:142 Resp: 49729

Ion Ratio Lower Upper

142 100

141 86.1 73.9 110.9

116 3.7 3.0 4.6



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

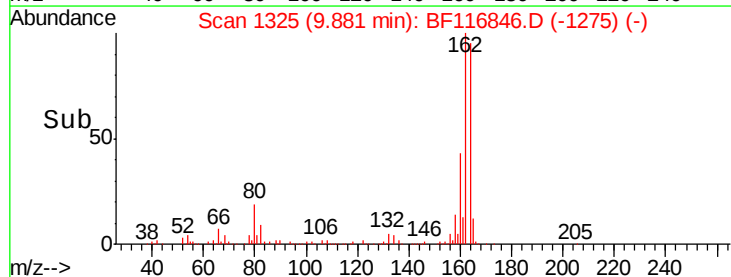
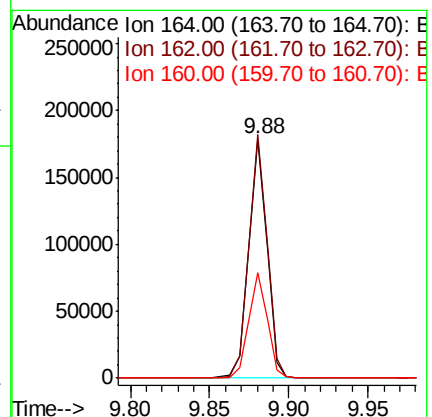
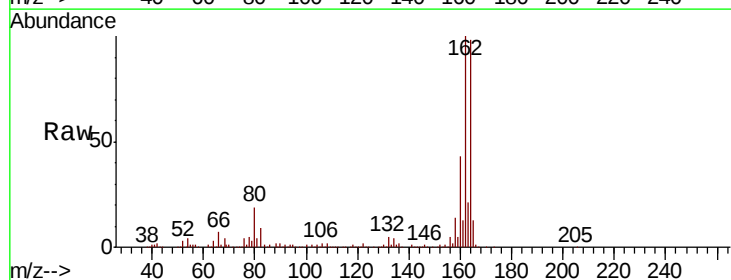
Tgt Ion:164 Resp: 143192

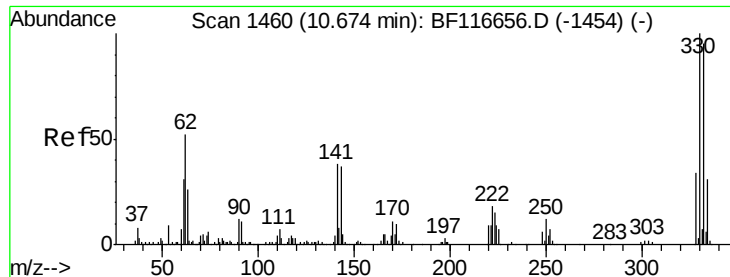
Ion Ratio Lower Upper

164 100

162 101.9 81.4 122.0

160 44.0 35.4 53.2

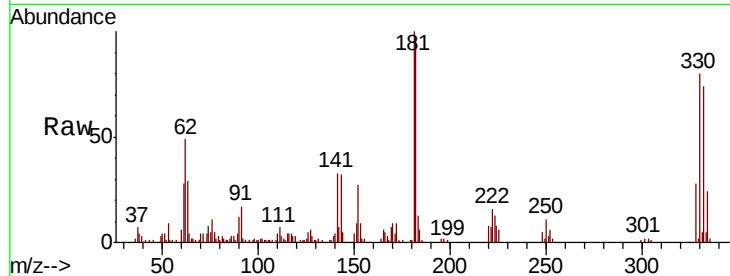




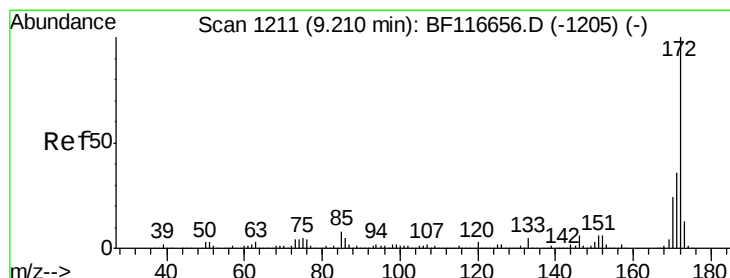
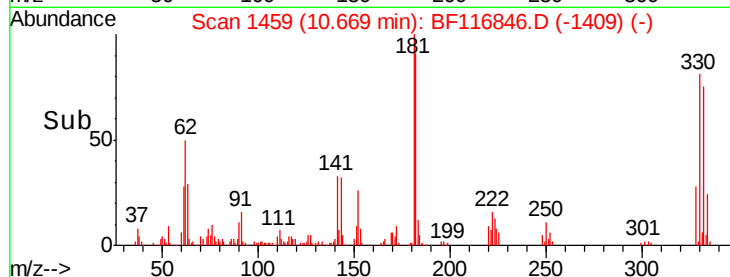
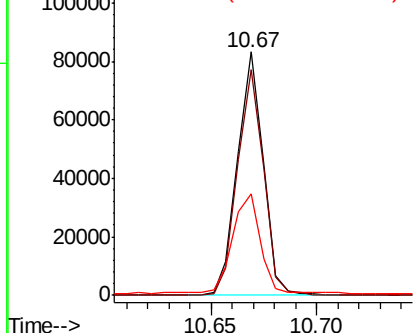
#42
 2,4,6-Tribromophenol
 Concen: 72.986 ng
 RT: 10.67 min Scan# 1459
 Delta R.T. -0.01 min
 Lab File: BF116846.D
 Acq: 5 Sep 2019 18:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.0	76.9	115.3
141	44.8	31.4	47.2

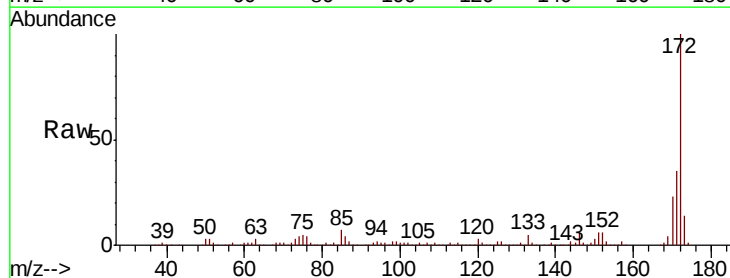


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

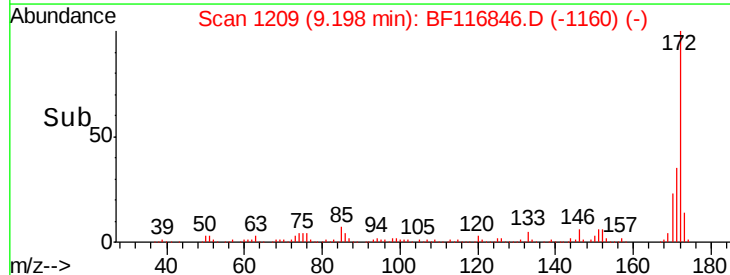
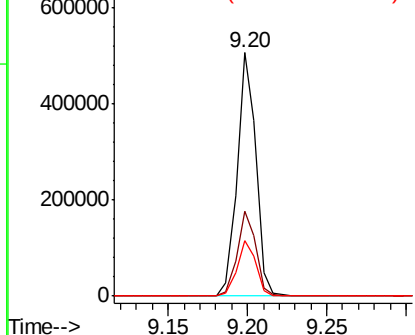


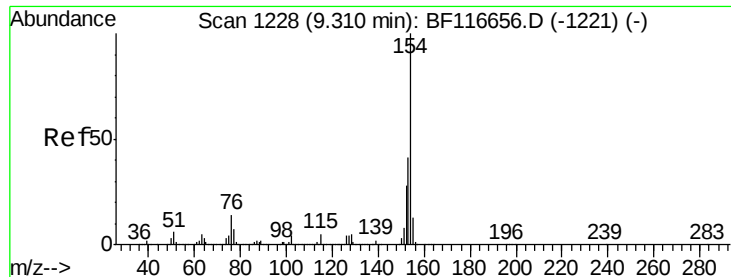
#45
 2-Fluorobiphenyl
 Concen: 48.611 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF116846.D
 Acq: 5 Sep 2019 18:55

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.6	27.8	41.6
170	22.7	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





#46

1,1'-Biphenyl

Concen: 2.276 ng

RT: 9.30 min Scan# 1226

Delta R.T. -0.01 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

Instrument :

BNA_F

ClientSampleId :

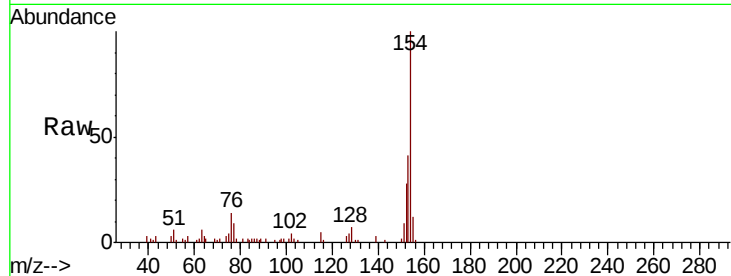
Tot Ion:154 Resp: 24727

Ion Ratio Lower Upper

154 100

153 41.3 21.2 61.2

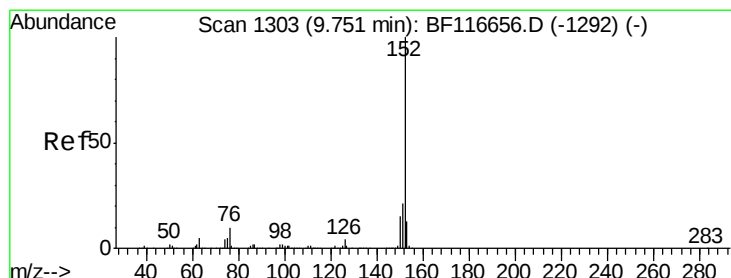
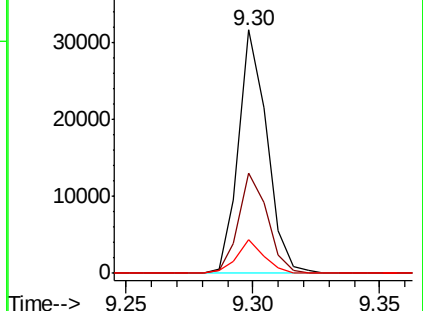
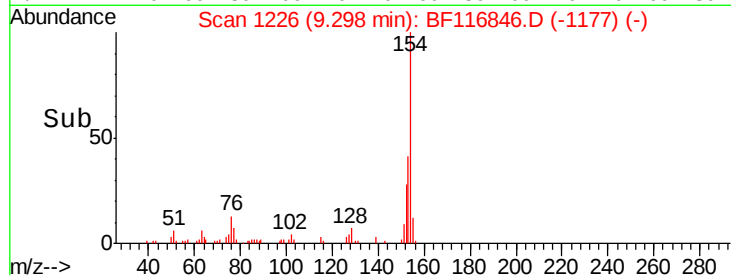
76 13.7 0.0 30.9



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#49

Acenaphthylene

Concen: 37.741 ng

RT: 9.75 min Scan# 1302

Delta R.T. -0.01 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

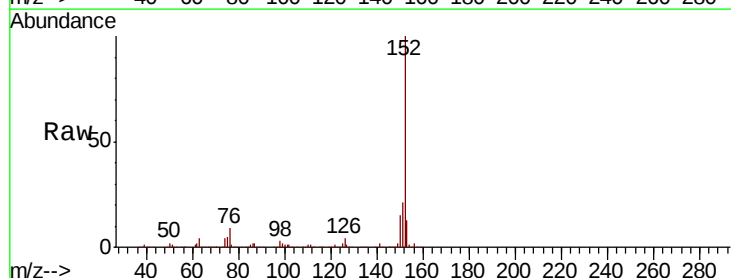
Tgt Ion:152 Resp: 490967

Ion Ratio Lower Upper

152 100

151 20.5 15.9 23.9

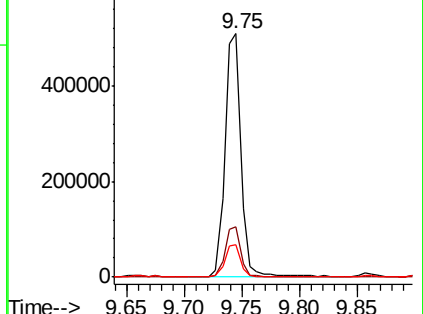
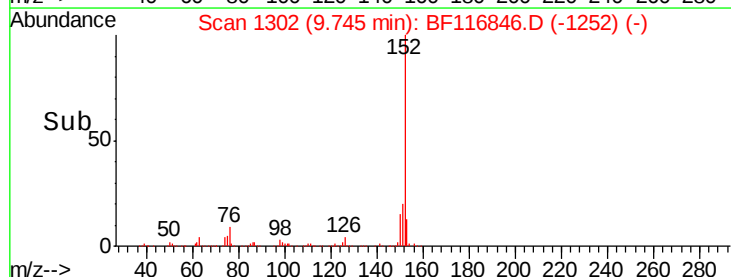
153 13.3 10.9 16.3

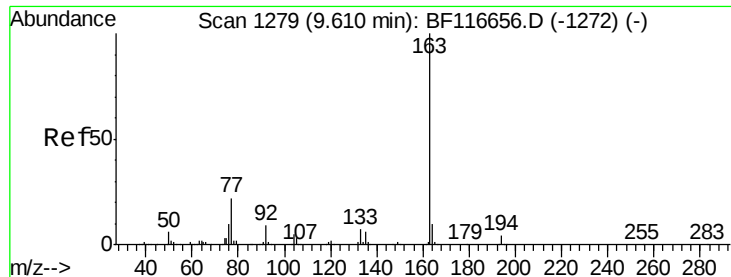


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 5.843 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.02 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

Instrument :

BNA_F

ClientSampleId :

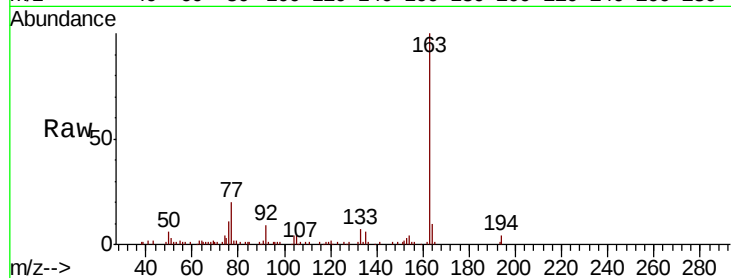
Tot Ion:163 Resp: 57768

Ion Ratio Lower Upper

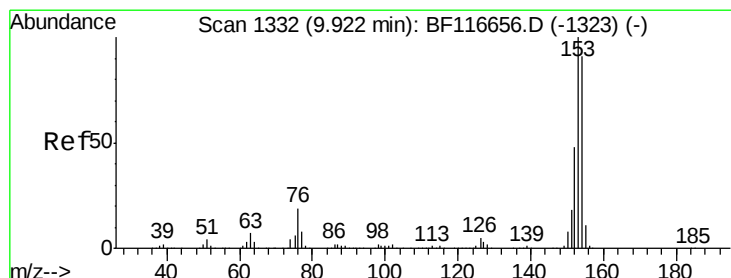
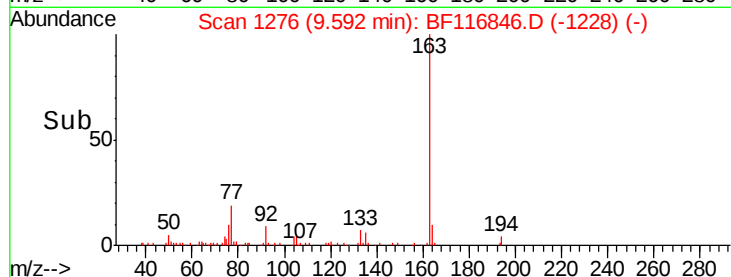
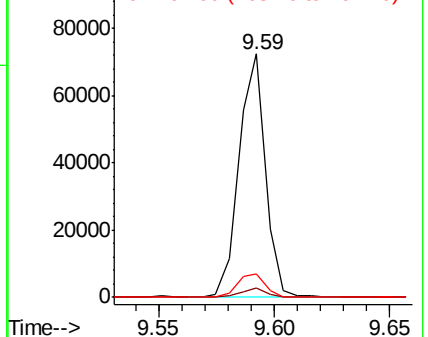
163 100

194 4.0 2.8 4.2

164 9.7 8.6 12.8



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



#52

Acenaphthene

Concen: 11.457 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

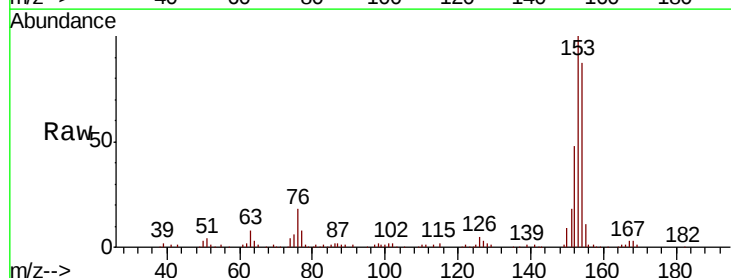
Tgt Ion:154 Resp: 91580

Ion Ratio Lower Upper

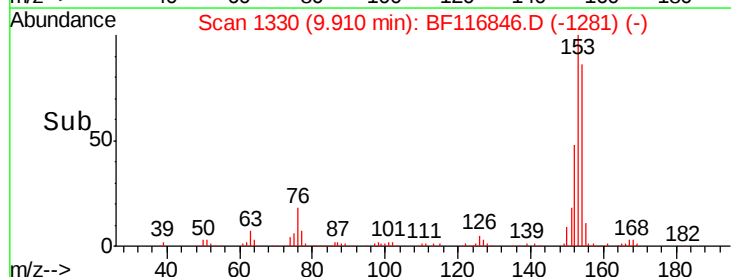
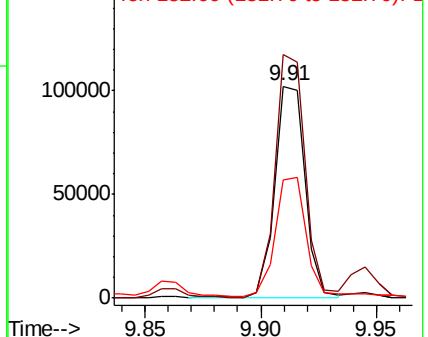
154 100

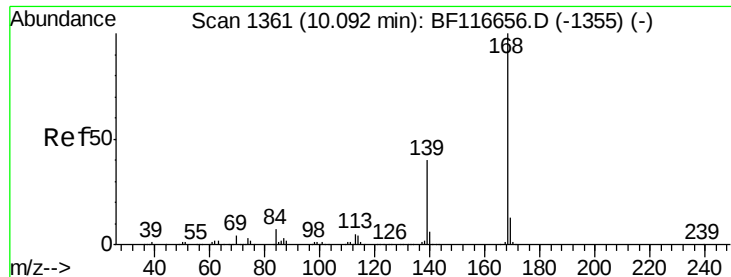
153 114.9 89.5 134.3

152 55.6 41.9 62.9



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: 17.086 ng

RT: 10.09 min Scan# 1360

Delta R.T. -0.01 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

Instrument :

BNA_F

ClientSampleId :

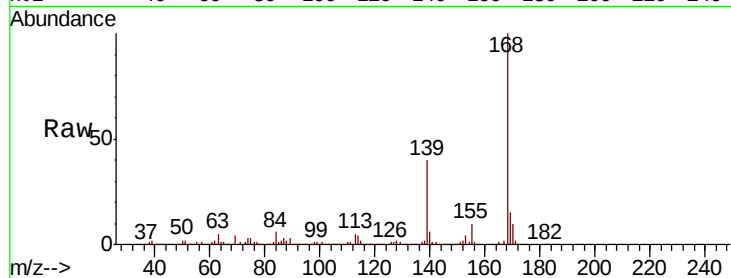
Tot Ion:168 Resp: 192529

Ion Ratio Lower Upper

168 100

139 40.2 31.5 47.3

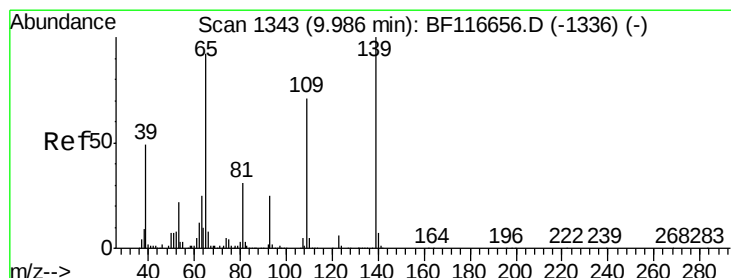
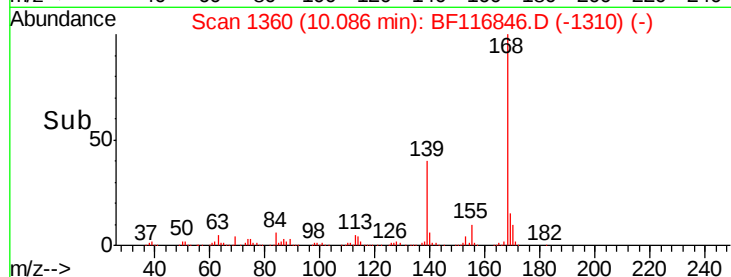
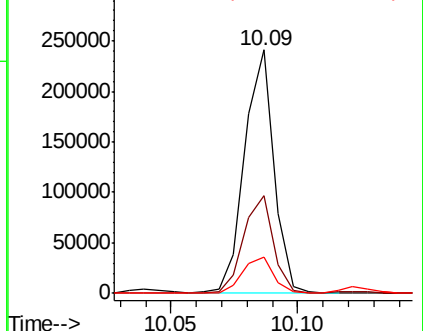
169 15.1 10.3 15.5



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 49.108 ng

RT: 10.09 min Scan# 1360

Delta R.T. 0.10 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

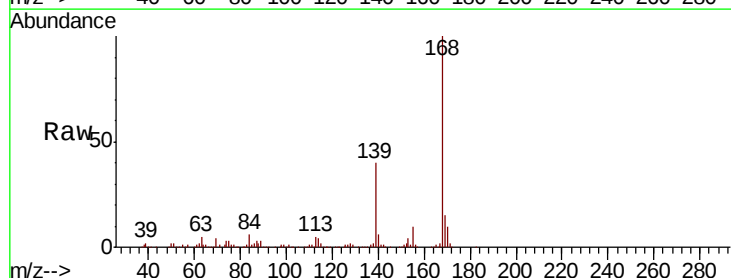
Tgt Ion:139 Resp: 79593

Ion Ratio Lower Upper

139 100

109 1.1 61.7 101.7#

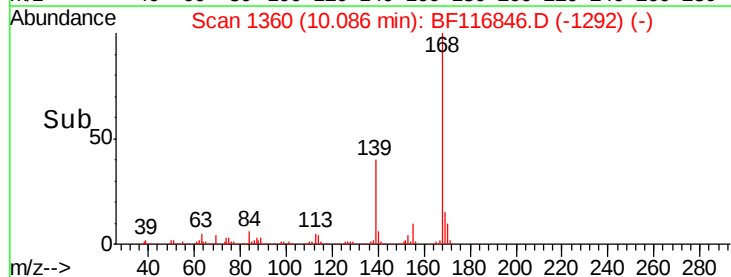
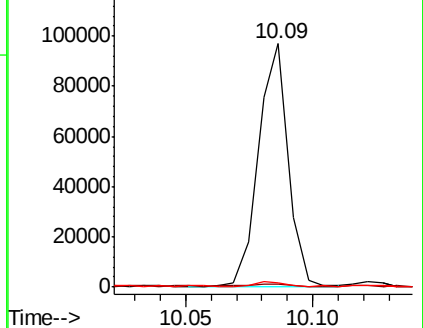
65 1.7 89.1 129.1#

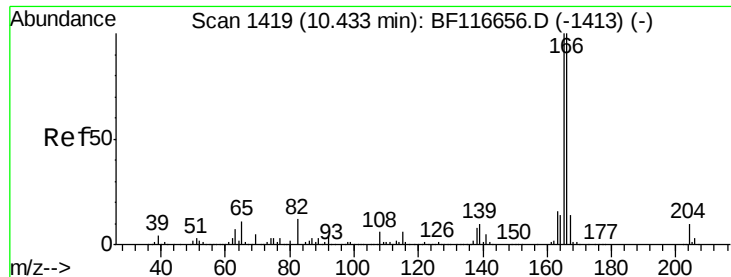


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

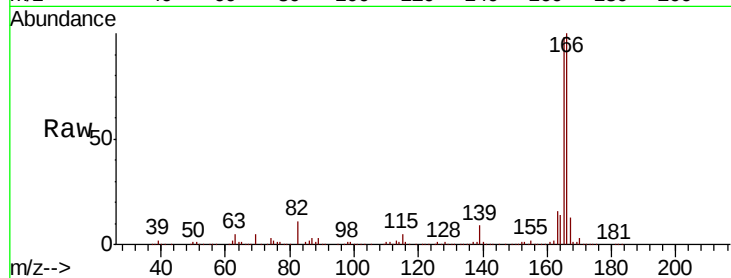




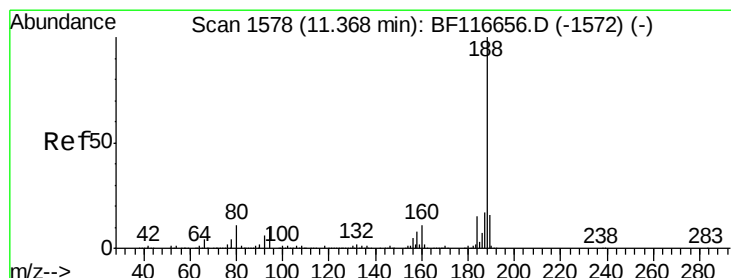
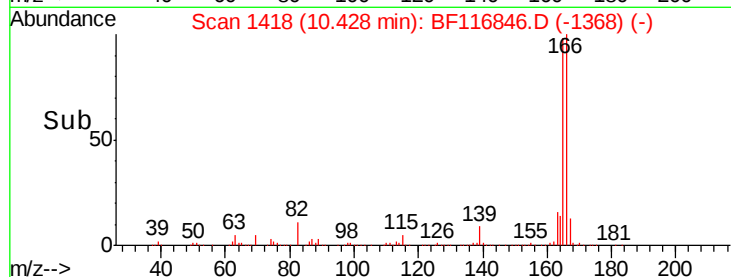
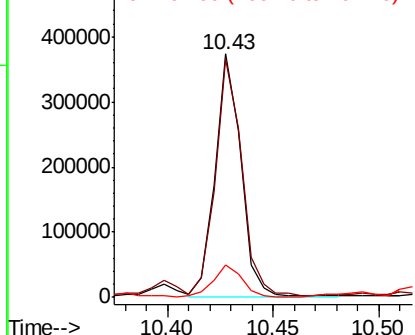
#58
 Fluorene
 Concen: 36.972 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF116846.D
 Acq: 5 Sep 2019 18:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:166 Resp: 317434
 Ion Ratio Lower Upper
 166 100
 165 98.0 78.8 118.2
 167 13.3 10.0 15.0

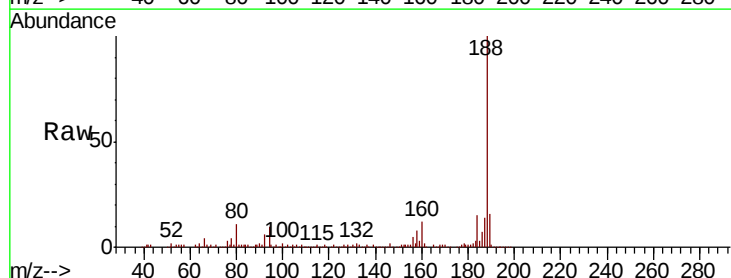


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

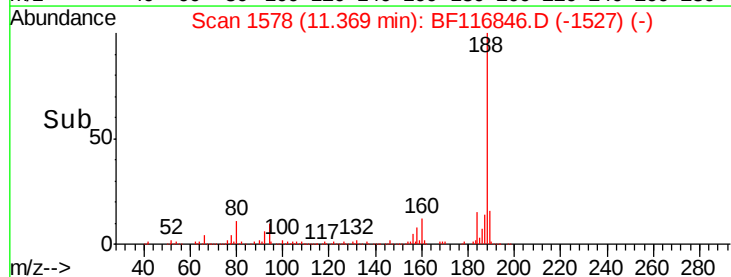
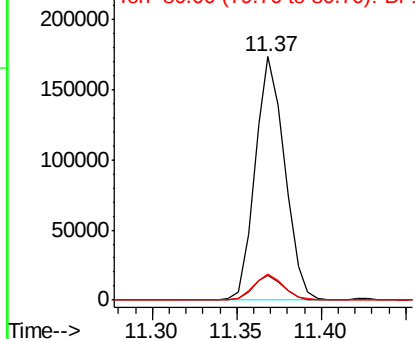


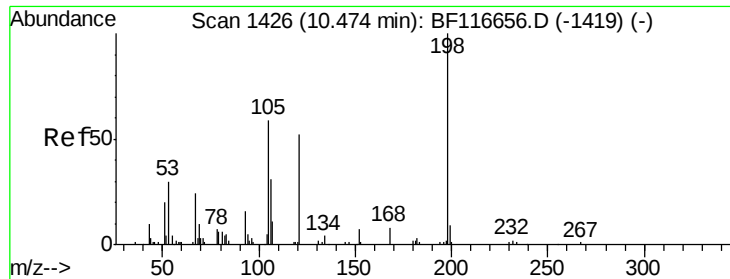
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: BF116846.D
 Acq: 5 Sep 2019 18:55

Tgt Ion:188 Resp: 211075
 Ion Ratio Lower Upper
 188 100
 94 10.2 7.3 10.9
 80 10.6 8.4 12.6



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

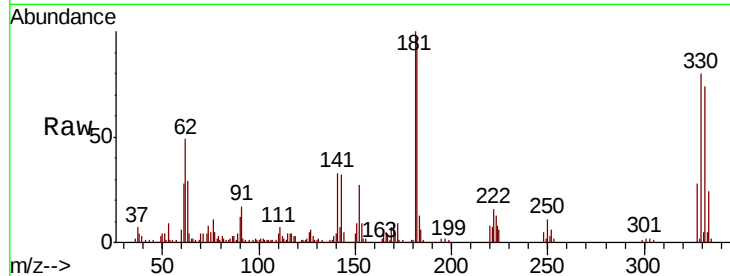




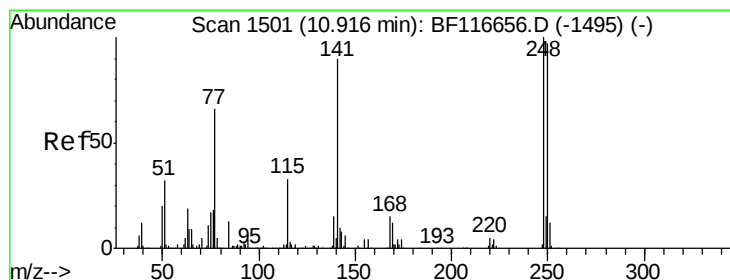
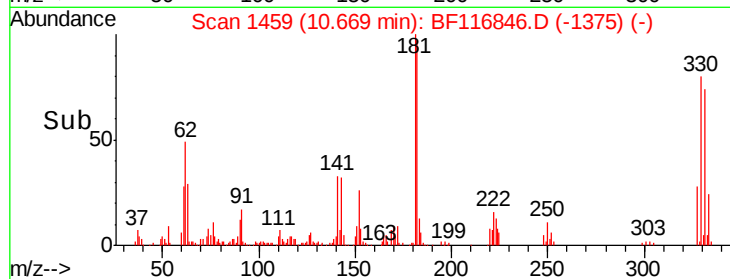
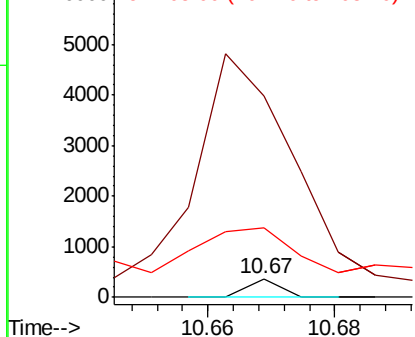
#65
4,6-Dinitro-2-methylphenol
Concen: 7.591 ng
RT: 10.67 min Scan# 1459
Delta R.T. 0.19 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 129
Ion Ratio Lower Upper
198 100
51 1088.3 18.4 58.4#
105 377.6 22.9 62.9#

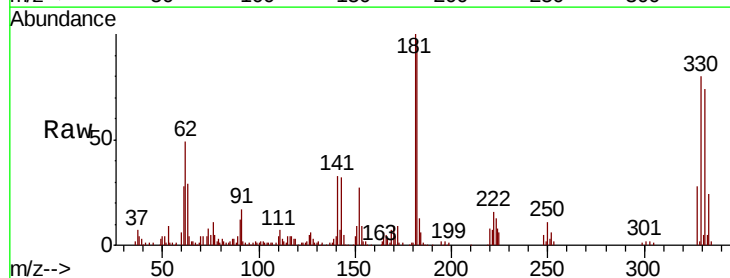


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

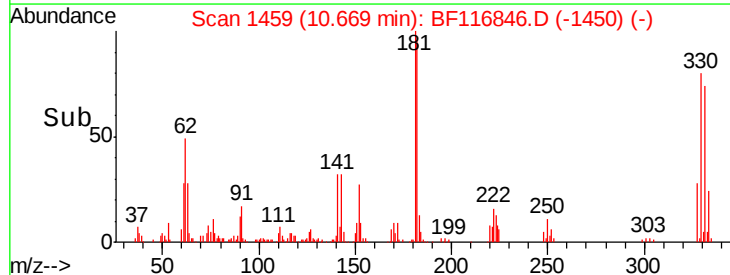
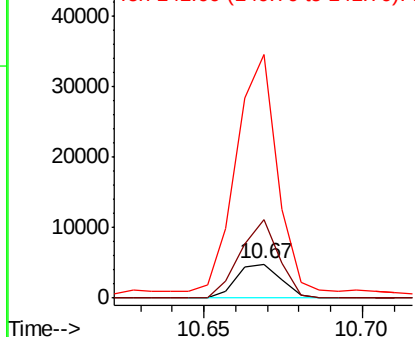


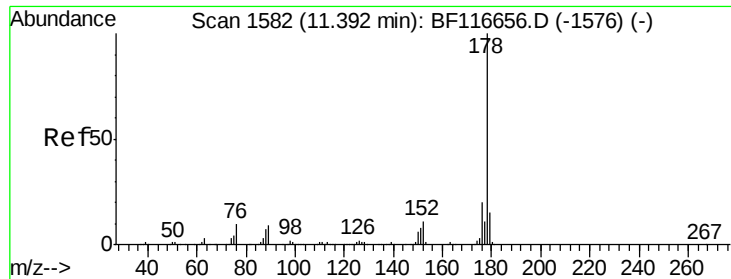
#67
4-Bromophenyl-phenylether
Concen: 2.166 ng
RT: 10.67 min Scan# 1459
Delta R.T. -0.25 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

Tgt Ion:248 Resp: 4645
Ion Ratio Lower Upper
248 100
250 227.9 77.8 116.8#
141 710.7 75.9 113.9#



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: 240.702 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.02 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

Instrument :

BNA_F

ClientSampleId :

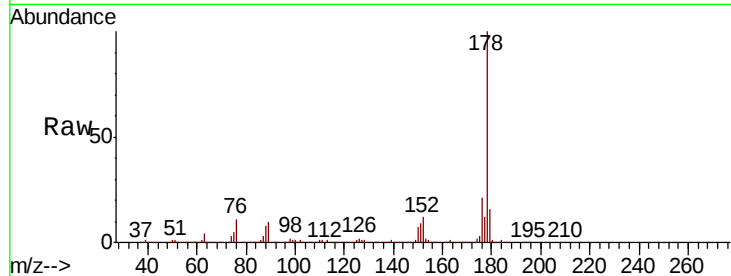
Tot Ion:178 Resp: 2828195

Ion Ratio Lower Upper

178 100

176 21.0 15.4 23.0

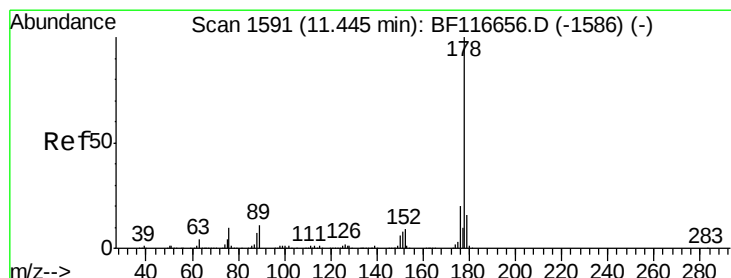
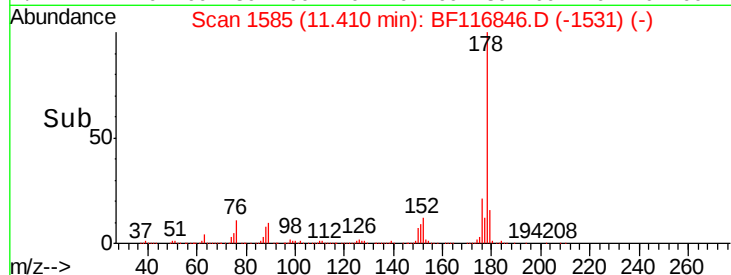
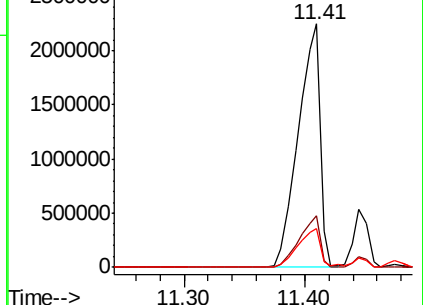
179 16.1 12.2 18.2



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: 34.954 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.00 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

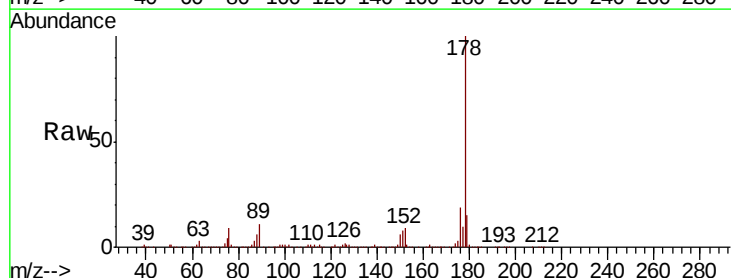
Tgt Ion:178 Resp: 413430

Ion Ratio Lower Upper

178 100

176 19.3 15.4 23.0

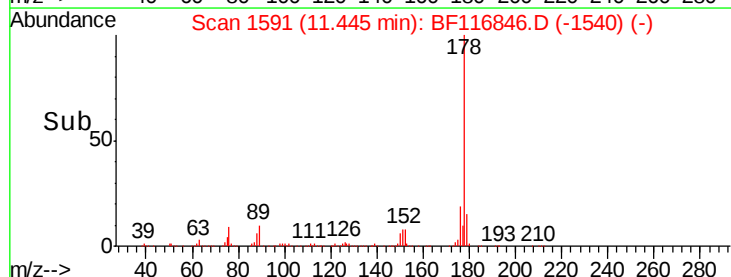
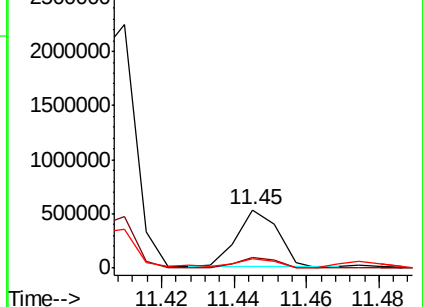
179 15.4 12.5 18.7

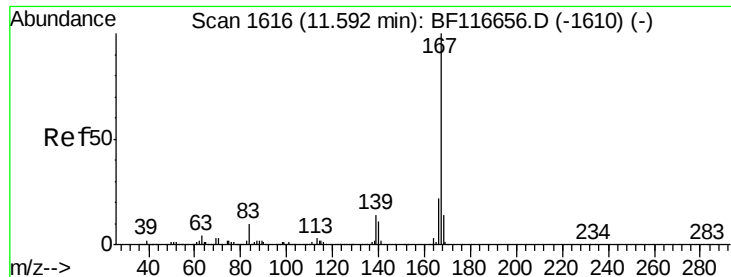


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

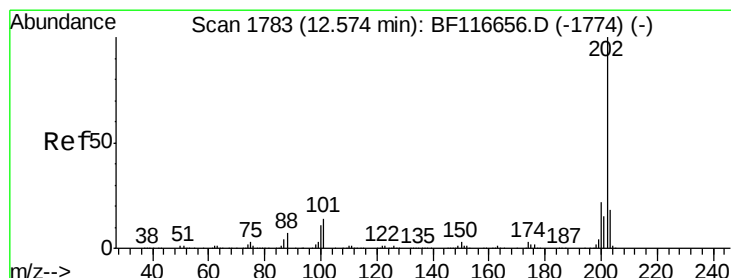
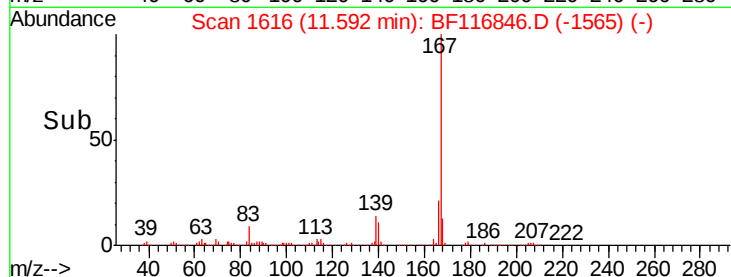
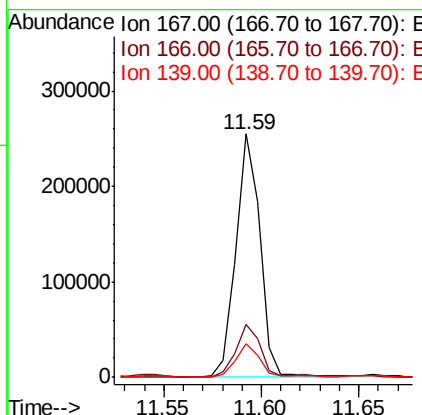
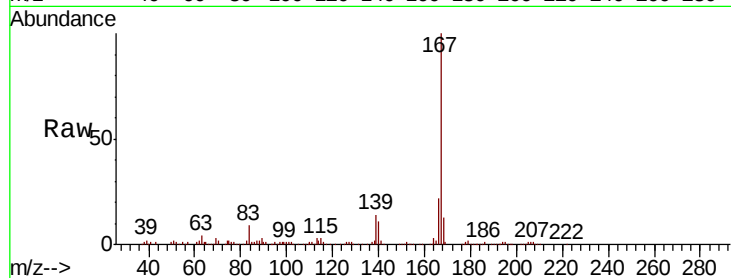




#73
 Carbazole
 Concen: 19.278 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. 0.00 min
 Lab File: BF116846.D
 Acq: 5 Sep 2019 18:55

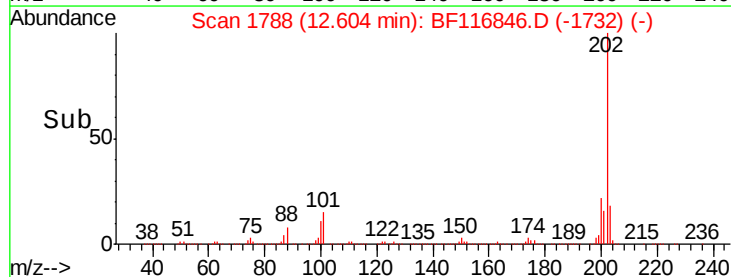
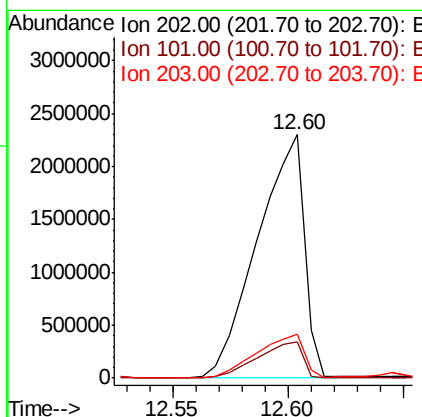
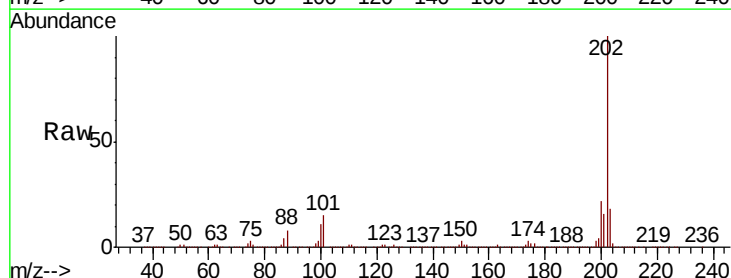
Instrument :
 BNA_F
 ClientSampleId :

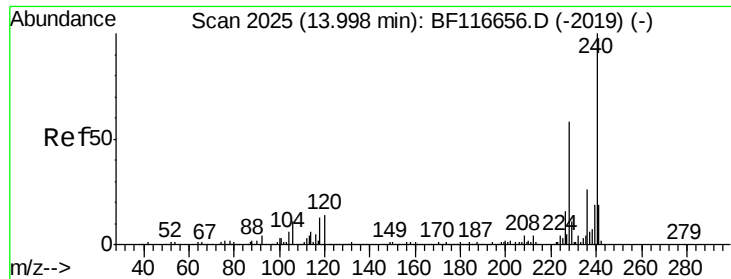
Tot Ion:167 Resp: 217201
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.8 26.6
 139 13.7 11.1 16.7



#75
 Fluoranthene
 Concen: 280.043 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.03 min
 Lab File: BF116846.D
 Acq: 5 Sep 2019 18:55

Tgt Ion:202 Resp: 3233692
 Ion Ratio Lower Upper
 202 100
 101 14.9 0.0 31.3
 203 18.1 0.0 37.6

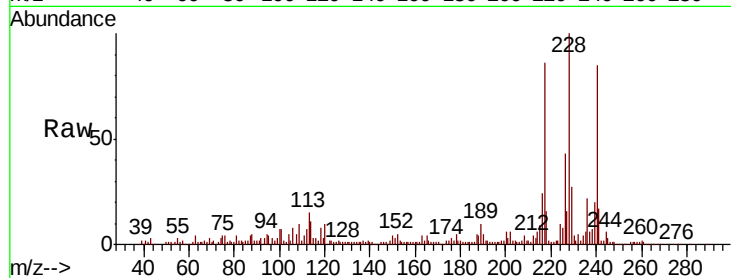




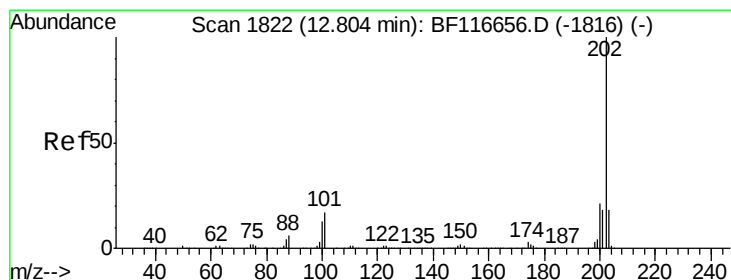
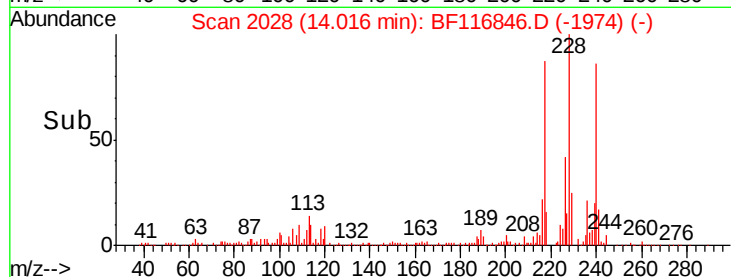
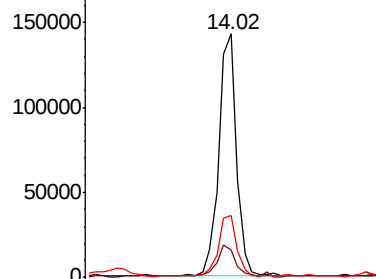
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. 0.02 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 148471
Ion Ratio Lower Upper
240 100
120 11.3 9.1 13.7
236 25.5 21.1 31.7

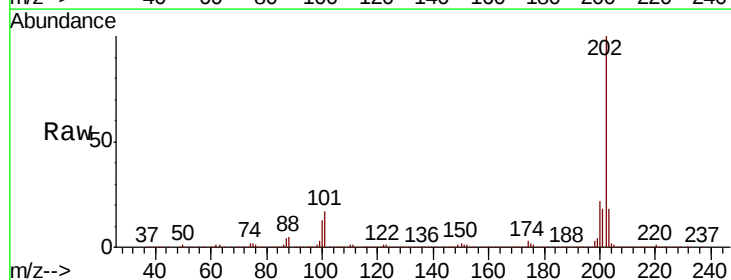


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

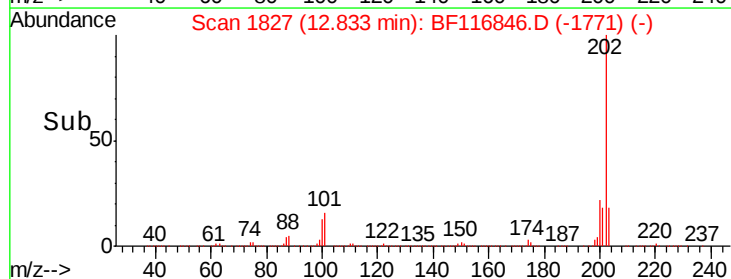
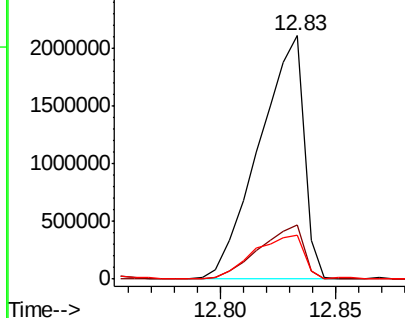


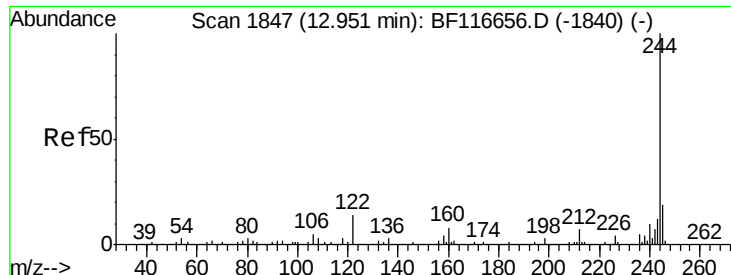
#78
Pyrene
Concen: 214.705 ng
RT: 12.83 min Scan# 1827
Delta R.T. 0.03 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

Tgt Ion:202 Resp: 2833693
Ion Ratio Lower Upper
202 100
200 22.2 16.5 24.7
203 18.3 13.7 20.5



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: 45.922 ng

RT: 12.95 min Scan# 1847

Delta R.T. 0.00 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

Instrument :

BNA_F

ClientSampleId :

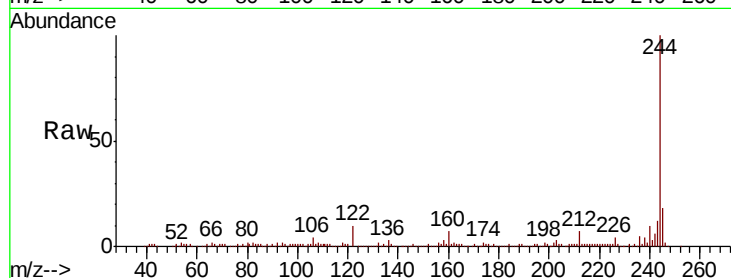
Tot Ion:244 Resp: 368555

Ion Ratio Lower Upper

244 100

212 6.6 6.1 9.1

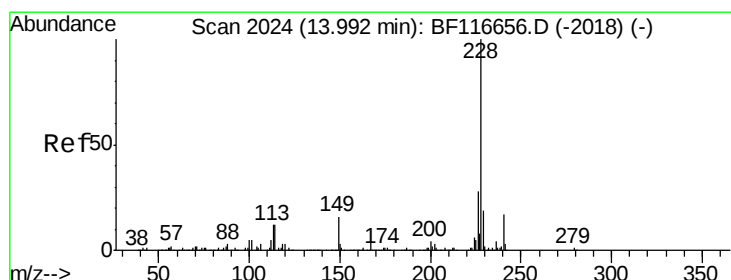
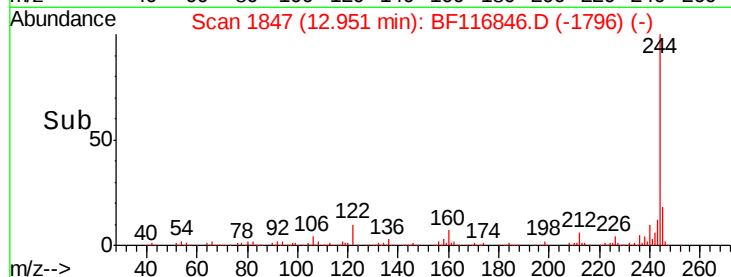
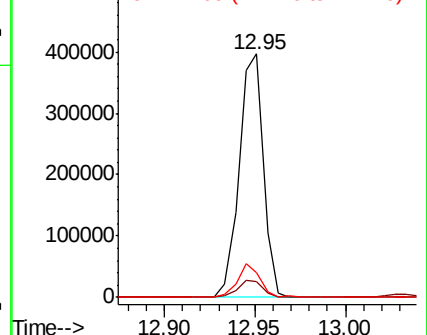
122 10.2 10.2 15.4#



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: 131.300 ng

RT: 14.04 min Scan# 2033

Delta R.T. 0.05 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

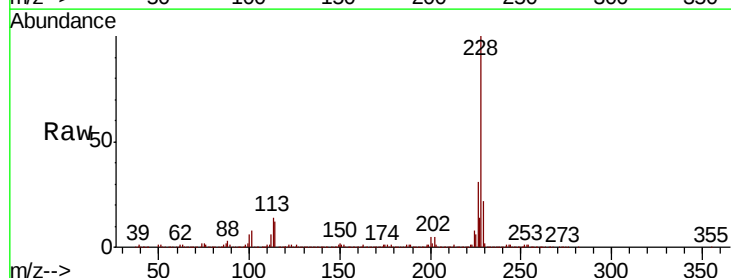
Tgt Ion:228 Resp: 1233788

Ion Ratio Lower Upper

228 100

226 31.2 22.0 33.0

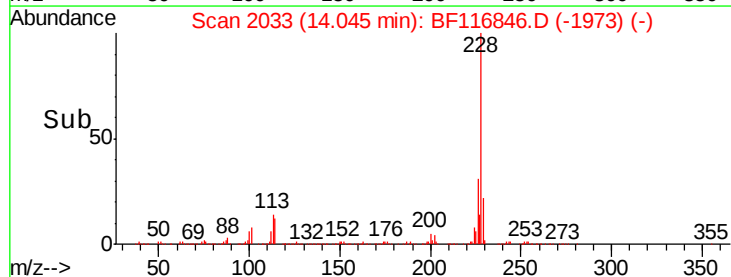
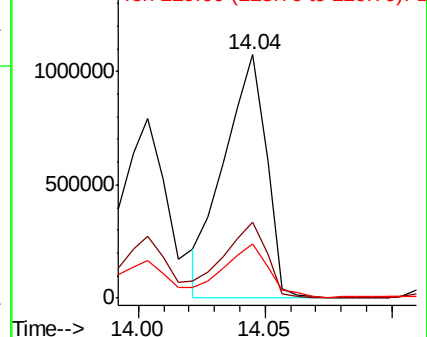
229 22.5 16.4 24.6

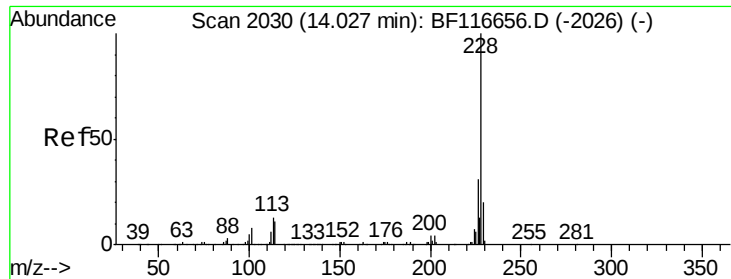


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

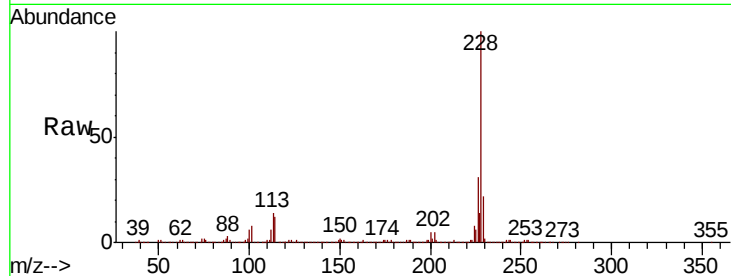




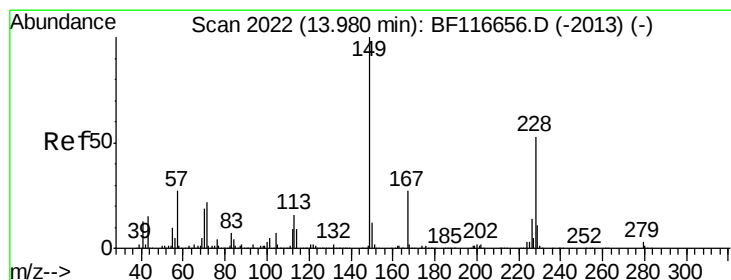
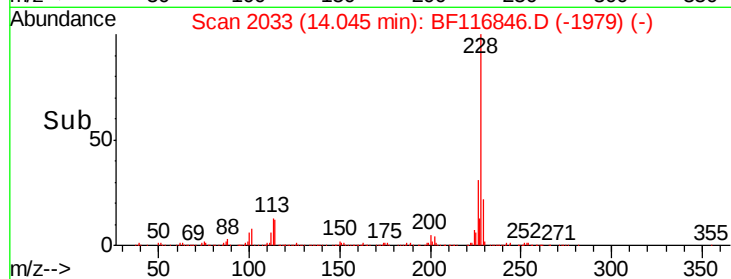
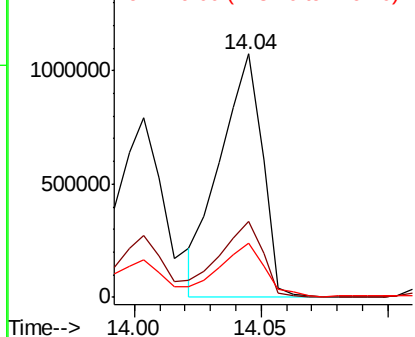
#83
 Chrvsene
 Concen: 127.446 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.02 min
 Lab File: BF116846.D
 Acq: 5 Sep 2019 18:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:228 Resp: 1233788
 Ion Ratio Lower Upper
 228 100
 226 31.2 24.0 36.0
 229 22.5 15.4 23.0

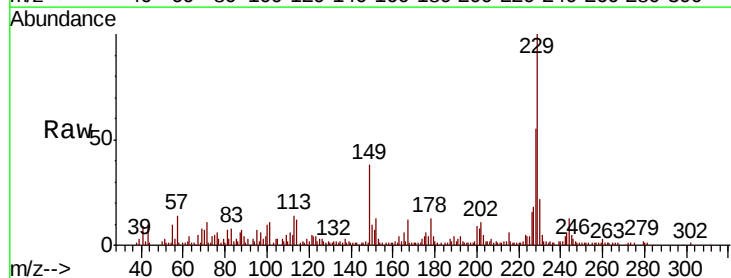


Abundance Ion 228.00 (227.70 to 228.70): E
 Ion 226.00 (225.70 to 226.70): E
 Ion 229.00 (228.70 to 229.70): E

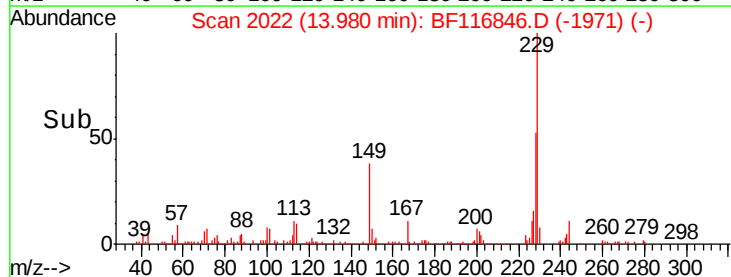
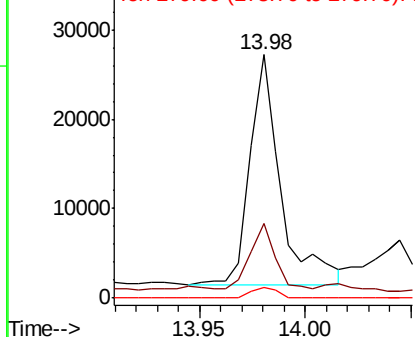


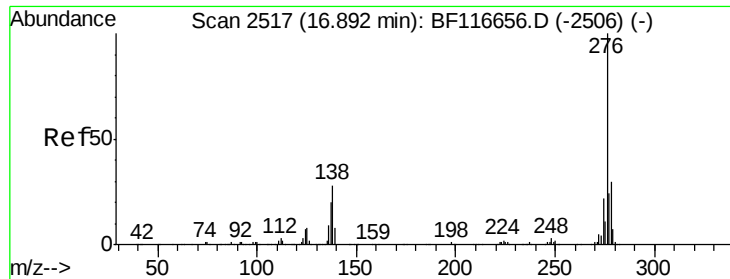
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.335 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. 0.00 min
 Lab File: BF116846.D
 Acq: 5 Sep 2019 18:55

Tgt Ion:149 Resp: 26423
 Ion Ratio Lower Upper
 149 100
 167 30.6 21.0 31.4
 279 4.3 2.8 4.2#



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

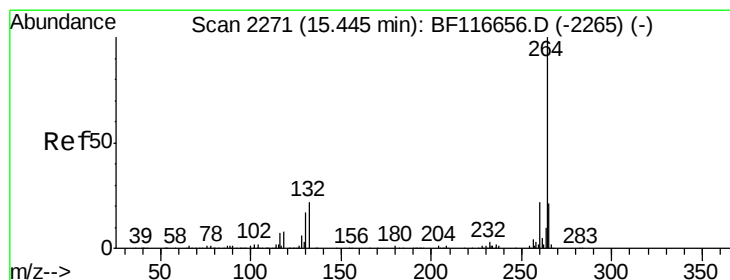
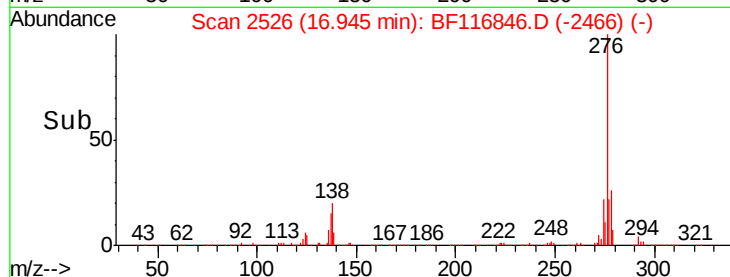
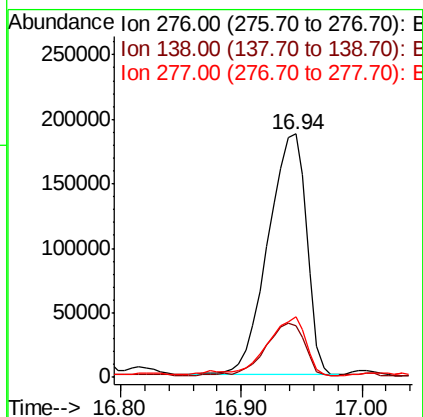
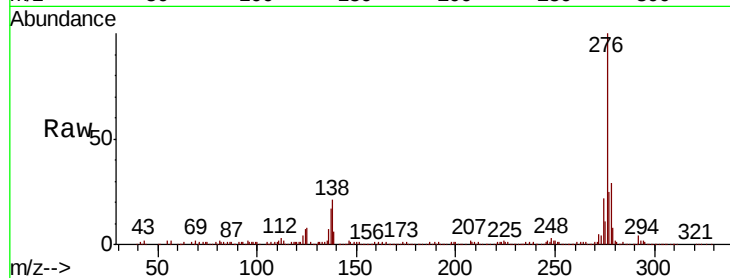




#86
Indeno(1,2,3-cd)pyrene
Concen: 52.740 ng
RT: 16.94 min Scan# 2526
Delta R.T. 0.05 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

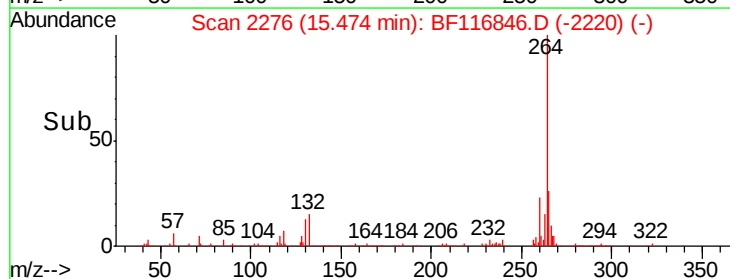
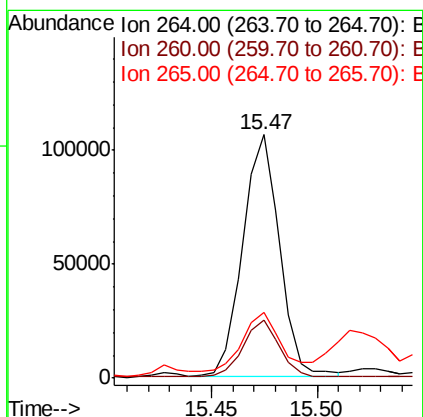
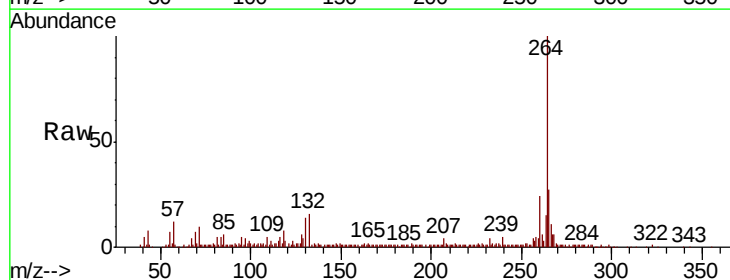
Instrument :
BNA_F
ClientSampleId :

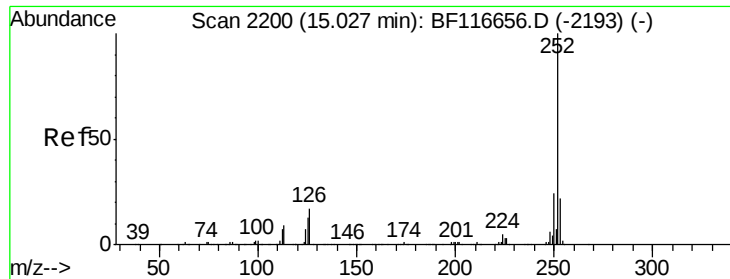
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.9	19.4	29.2
277	25.4	20.5	30.7



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2276
Delta R.T. 0.03 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.3	27.5
265	27.0	16.5	24.7

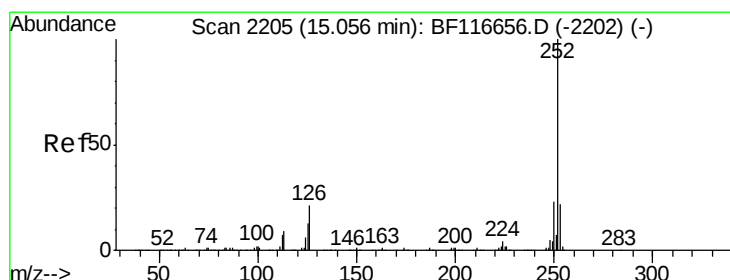
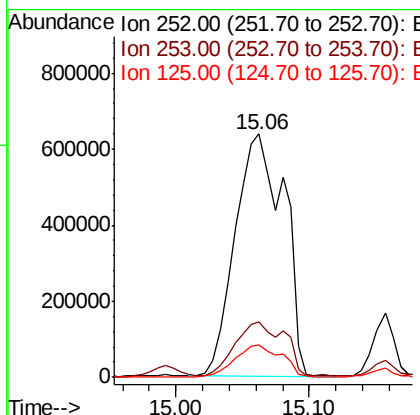
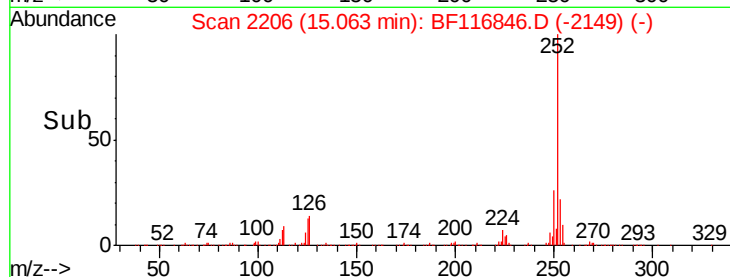
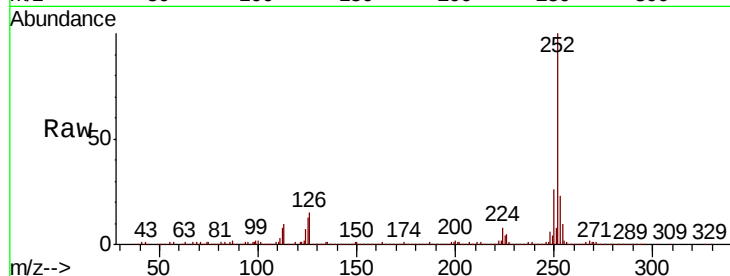




#88
Benzo(b)fluoranthene
Concen: 210.531 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.04 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

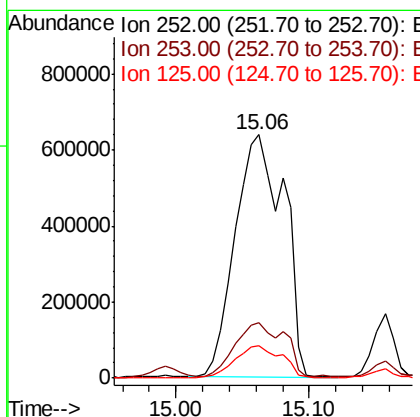
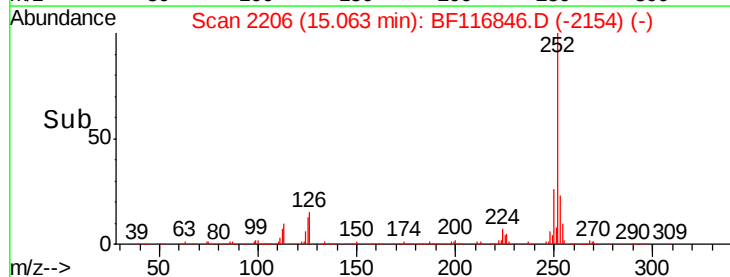
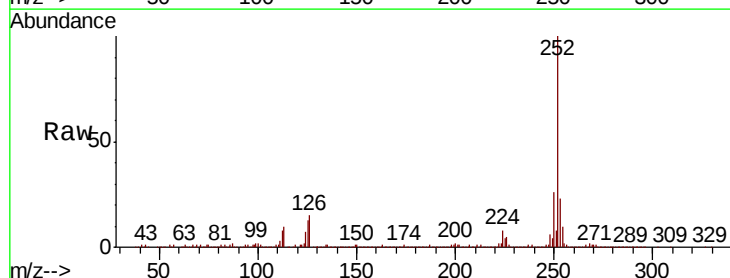
Instrument :
BNA_F
ClientSampleId :

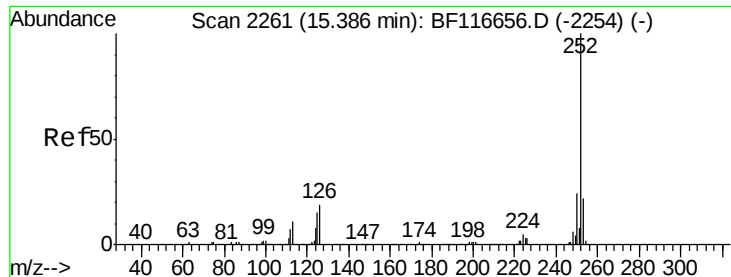
Tot Ion:252 Resp: 1623849
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 13.4 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 230.902 ng
RT: 15.06 min Scan# 2206
Delta R.T. 0.01 min
Lab File: BF116846.D
Acq: 5 Sep 2019 18:55

Tgt Ion:252 Resp: 1623849
Ion Ratio Lower Upper
252 100
253 23.0 17.7 26.5
125 13.4 8.6 13.0#





#90

Benzo(a)pyrene

Concen: 101.997 ng

RT: 15.43 min Scan# 2268

Delta R.T. 0.04 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

Instrument :

BNA_F

ClientSampleId :

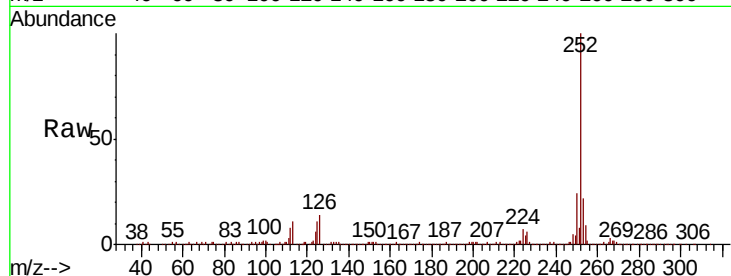
Tot Ion:252 Resp: 684451

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

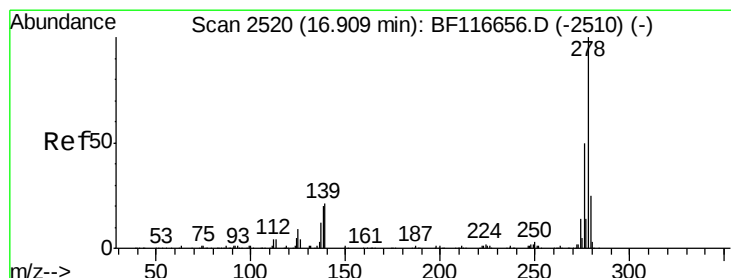
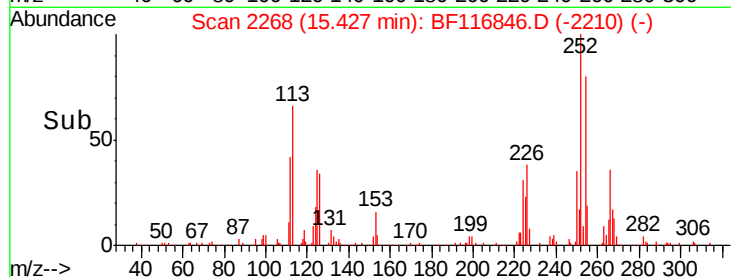
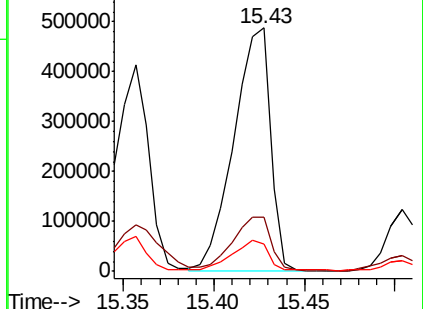
125 11.1 9.8 14.8



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



#91

Dibenzo(a,h)anthracene

Concen: 10.743 ng

RT: 17.16 min Scan# 2563

Delta R.T. 0.25 min

Lab File: BF116846.D

Acq: 5 Sep 2019 18:55

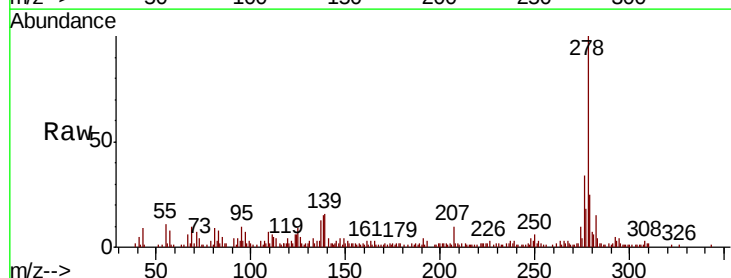
Tgt Ion:278 Resp: 63102

Ion Ratio Lower Upper

278 100

139 15.9 12.4 18.6

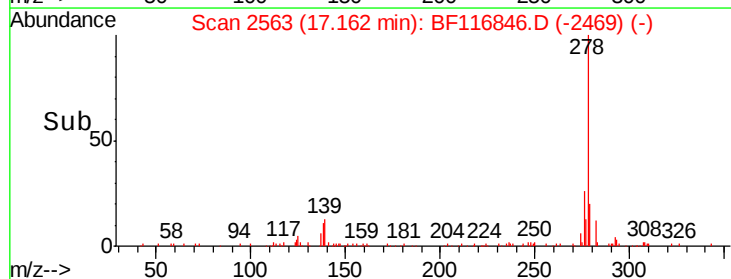
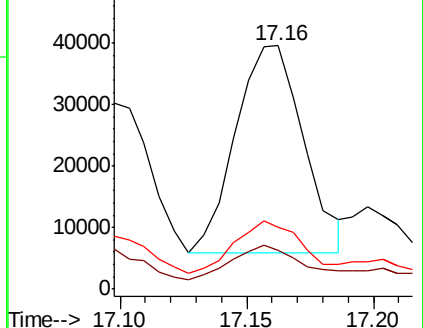
279 25.4 18.2 27.4

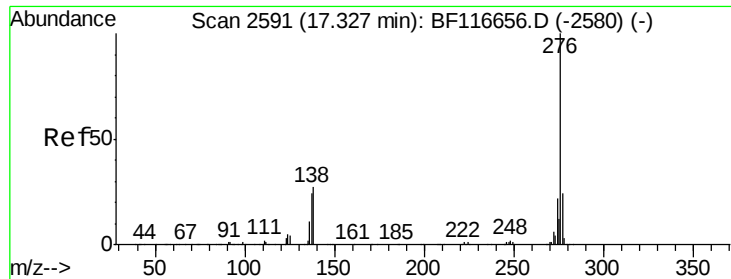


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E

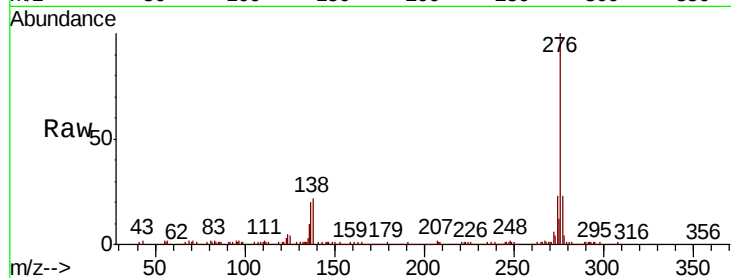




#92
 Benzo(a,h,i)perylene
 Concen: 61.072 ng
 RT: 17.39 min Scan# 2601
 Delta R.T. 0.06 min
 Lab File: BF116846.D
 Acq: 5 Sep 2019 18:55

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	22.8	18.5	27.7
138	21.7	16.2	24.2



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

