

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091019\
 Data File : BF116942.D
 Acq On : 11 Sep 2019 00:41
 Operator : HP/JU
 Sample : K4636-16DL 4X
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 11 04:04:33 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 10 17:49:40 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	83780	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	348984	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	178295	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	247177	20.00	ng	0.00
76) Chrysene-d12	14.00	240	136390	20.00	ng	0.02
87) Perylene-d12	15.46	264	173313	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	121559	23.51	ng	0.00
7) Phenol-d6	6.46	99	175062	25.78	ng	-0.02
23) Nitrobenzene-d5	7.39	82	108799	17.80	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	29988	25.16	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	184371	17.44	ng	0.00
79) Terphenyl-d14	12.93	244	134946	18.30	ng	0.00

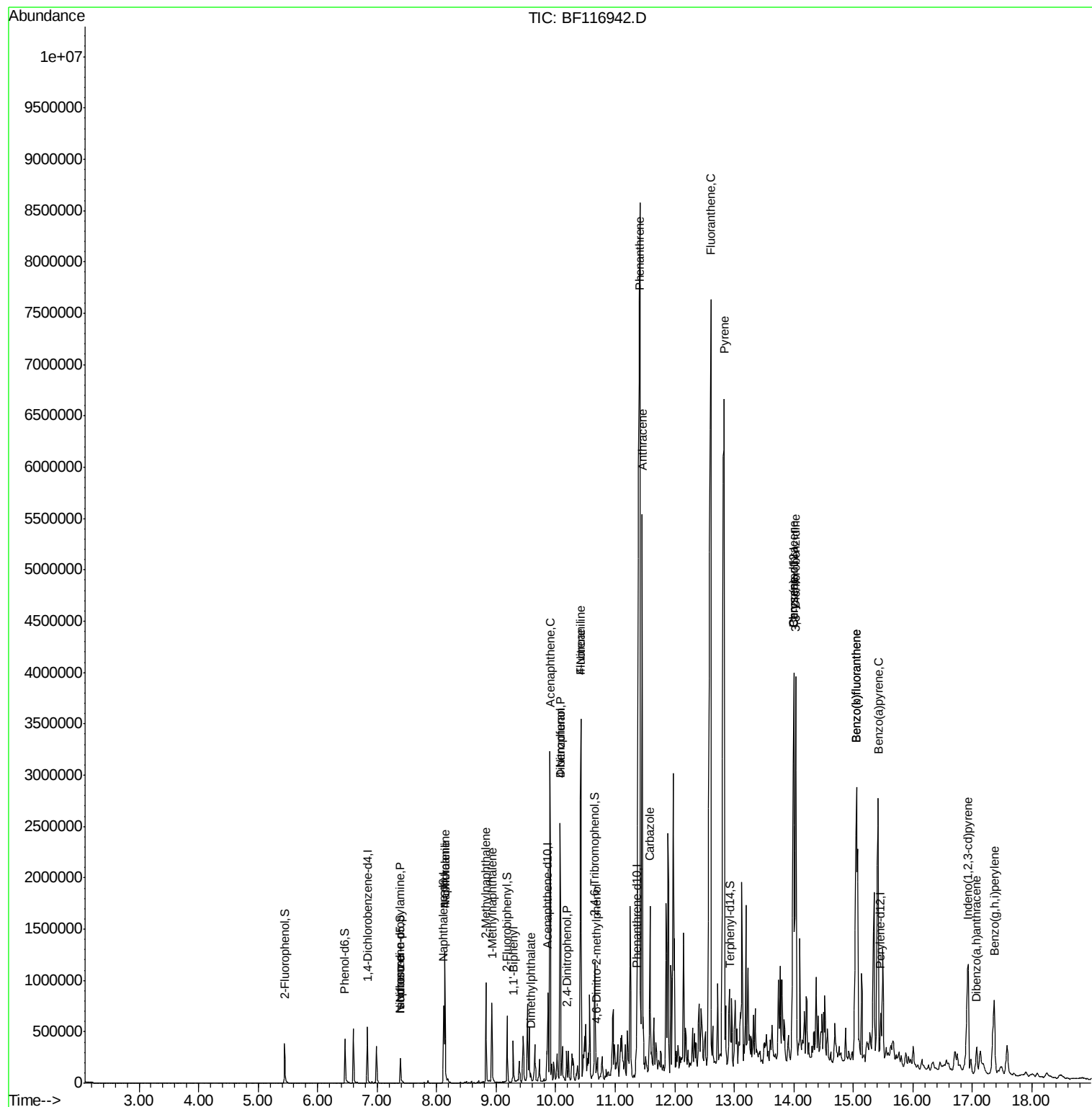
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.39	70	14309	3.200	ng	# 73
25) Isophorone	7.39	82	108798	8.783	ng	# 66
31) Naphthalene	8.14	128	592817	35.724	ng	# 99
33) 4-Chloroaniline	8.14	127	78952	10.452	ng	# 35
37) 2-Methylnaphthalene	8.83	142	267176	24.198	ng	# 97
38) 1-Methylnaphthalene	8.93	142	220449	21.151	ng	# 97
46) 1,1'-Biphenyl	9.29	154	117733	8.702	ng	# 100
50) Dimethylphthalate	9.58	163	27036	2.196	ng	# 96
52) Acenaphthene	9.90	154	659624	66.276	ng	# 97
54) 2,4-Dinitrophenol	10.19	184	109	9.156	ng	# 1
55) Dibenzofuran	10.07	168	858435	61.184	ng	# 96
56) 4-Nitrophenol	10.07	139	363078	179.911	ng	# 3
58) Fluorene	10.42	166	1004801	93.989	ng	# 98
62) 4-Nitroaniline	10.42	138	12199	4.271	ng	# 19
65) 4,6-Dinitro-2-methylphenol	10.68	198	803	8.196	ng	# 1
71) Phenanthrene	11.42	178	6673684	485.025	ng	# 95
72) Anthracene	11.45	178	2419965	174.716	ng	# 98
73) Carbazole	11.59	167	594439	45.055	ng	# 99
75) Fluoranthene	12.60	202	5569468	411.877	ng	# 94
78) Pvrene	12.83	202	4690781	386.895	ng	# 94
81) Benzo(a)anthracene	13.99	228	1996627	231.303	ng	# 98
82) 3,3'-Dichlorobenzidine	14.03	252	11741	4.025	ng	# 1
83) Chrysene	13.99	228	1996627	224.513	ng	# 97
86) Indeno(1,2,3-cd)pyrene	16.93	276	837181	117.200	ng	# 97
88) Benzo(b)fluoranthene	15.04	252	2675891	255.376	ng	# 97
89) Benzo(k)fluoranthene	15.04	252	2675891	280.086	ng	# 98
90) Benzo(a)pyrene	15.42	252	1598427	175.339	ng	# 97
91) Dibenzo(a,h)anthracene	17.07	278	164981	20.676	ng	# 96
92) Benzo(g,h,i)perylene	17.37	276	700042	86.021	ng	# 96

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

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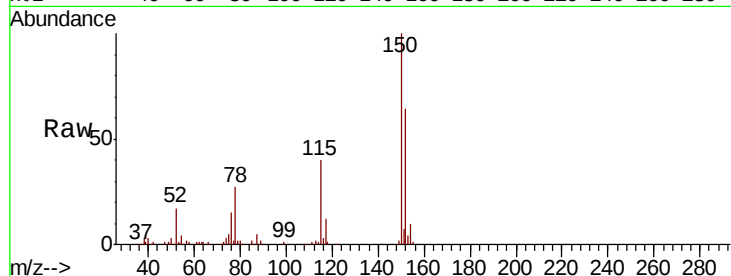


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.83 min Scan# 807
Delta R.T. 0.00 min
Lab File: BF116942.D
Acq: 11 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.4	186.6
115	62.2	49.9	74.9

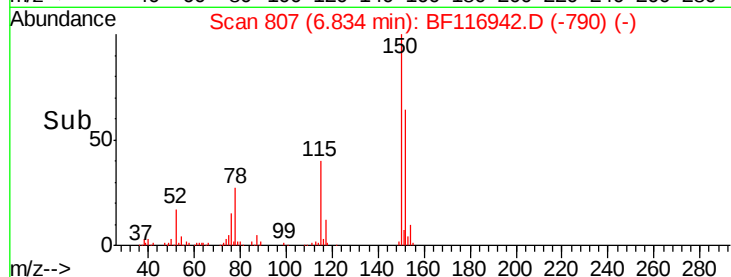
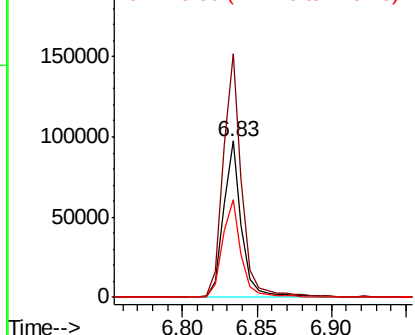


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

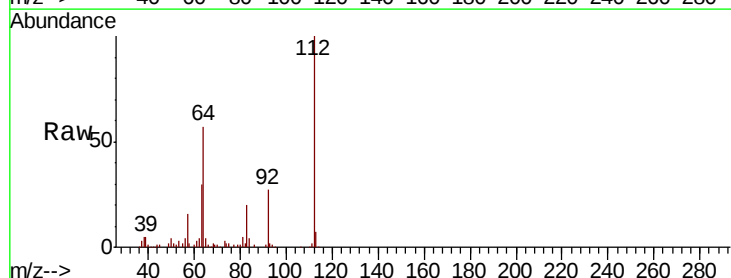
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 23.506 ng
RT: 5.45 min Scan# 571
Delta R.T. -0.01 min
Lab File: BF116942.D
Acq: 11 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.5	47.1	70.7
63	29.8	24.9	37.3

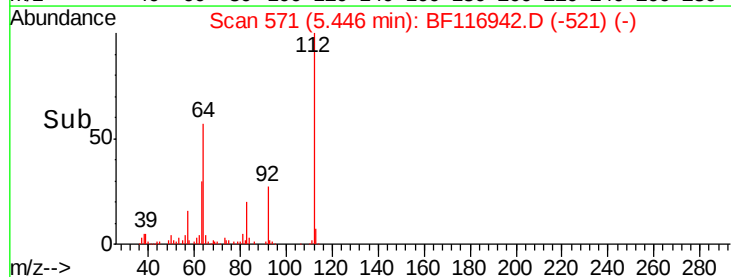
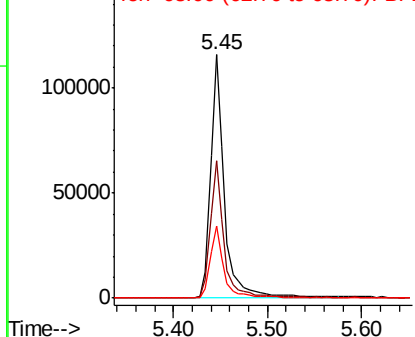


Abundance

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: 25.780 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.02 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

Instrument :

BNA_F

ClientSampled :

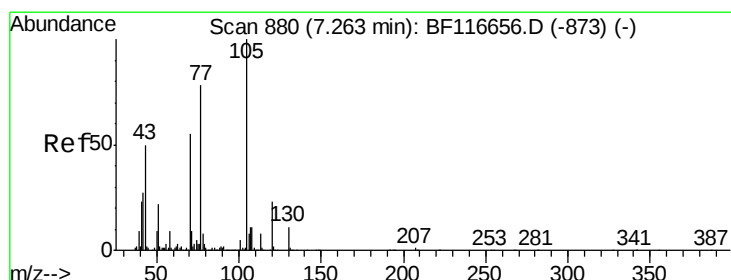
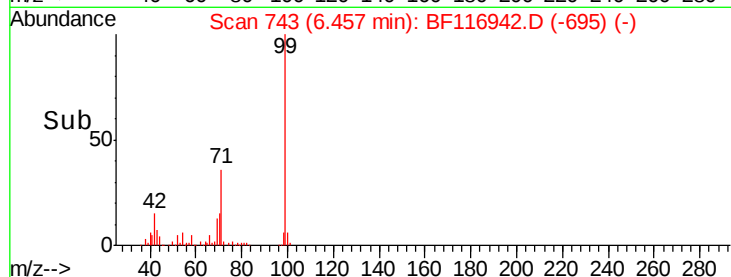
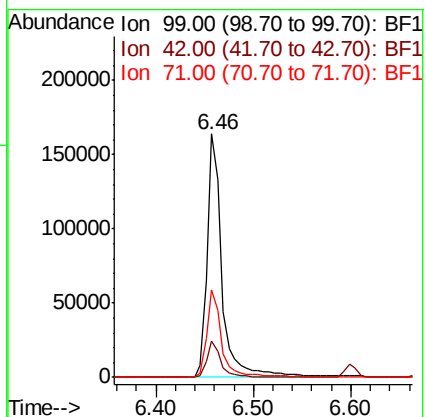
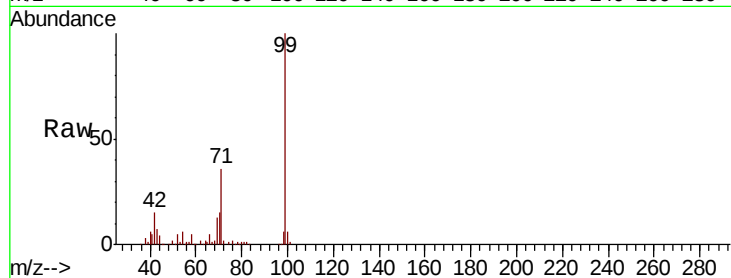
Tot Ion: 99 Resp: 175062

Ion Ratio Lower Upper

99 100

42 15.1 13.7 20.5

71 36.1 30.8 46.2



#19

n-Nitroso-di-n-propylamine

Concen: 3.200 ng

RT: 7.39 min Scan# 901

Delta R.T. 0.14 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

Tgt Ion: 70 Resp: 14309

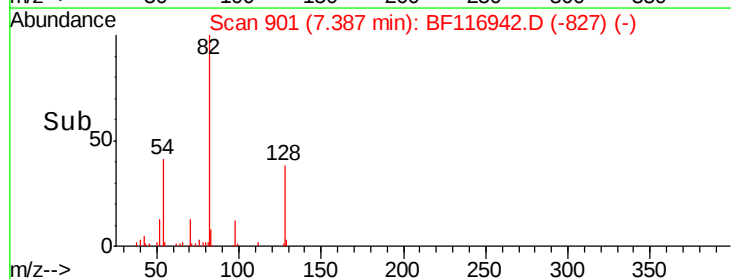
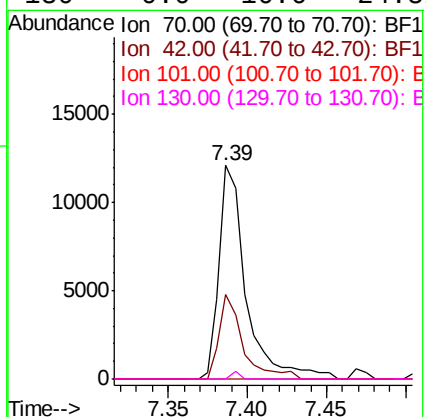
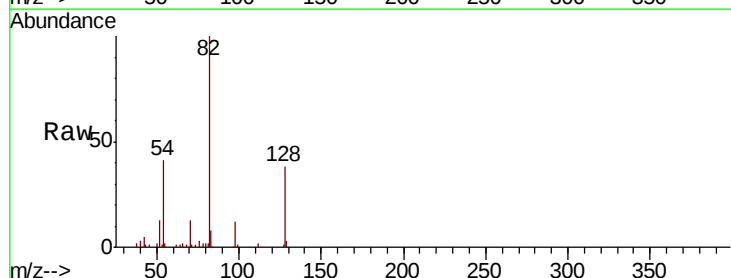
Ion Ratio Lower Upper

70 100

42 39.6 43.5 65.3#

101 0.0 7.8 11.6#

130 0.0 16.6 24.8#

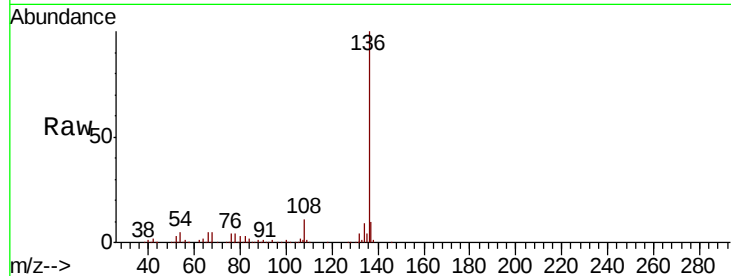




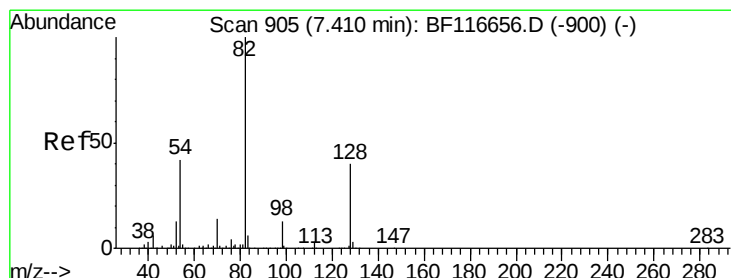
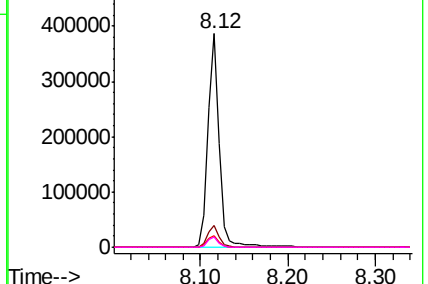
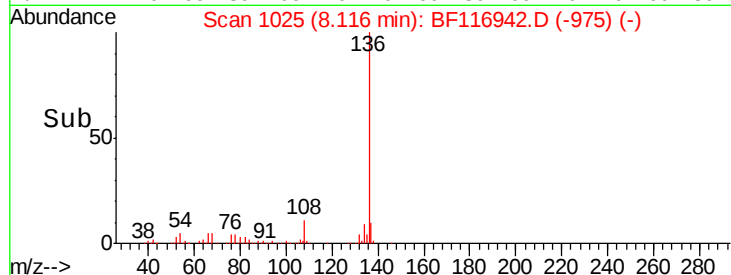
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.12 min Scan# 1025
Delta R.T. -0.01 min
Lab File: BF116942.D
Acq: 11 Sep 2019 00:41

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	348984
Ion Ratio	Lower	Upper
136 100		
137 10.4	8.9	13.3
54 5.1	4.8	7.2
68 4.9	4.0	6.0

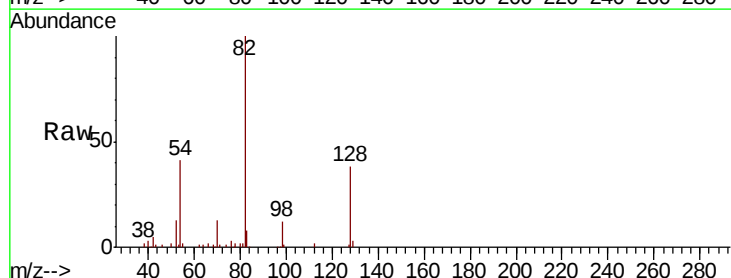


Abundance Ion 136.00 (135.70 to 136.70): E
600000
Ion 137.00 (136.70 to 137.70): E
500000
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

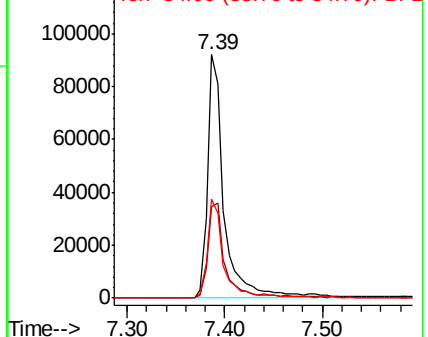
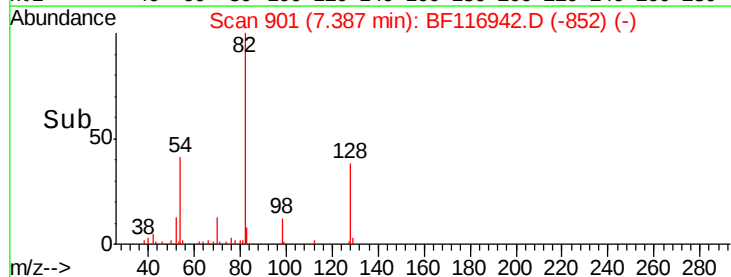


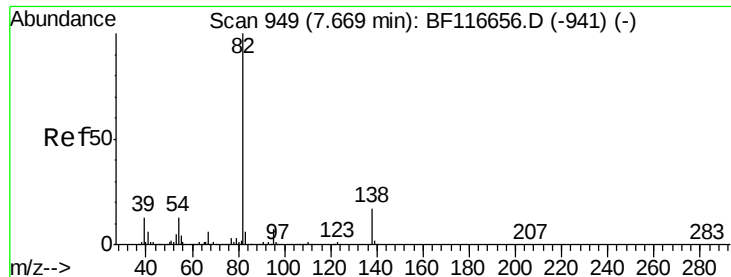
#23
Nitrobenzene-d5
Concen: 17.798 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.01 min
Lab File: BF116942.D
Acq: 11 Sep 2019 00:41

Tgt	Ion: 82	Resp:	108799
Ion	Ratio	Lower	Upper
82	100		
128	37.5	32.8	49.2
54	40.9	36.9	55.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
120000
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.783 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.27 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

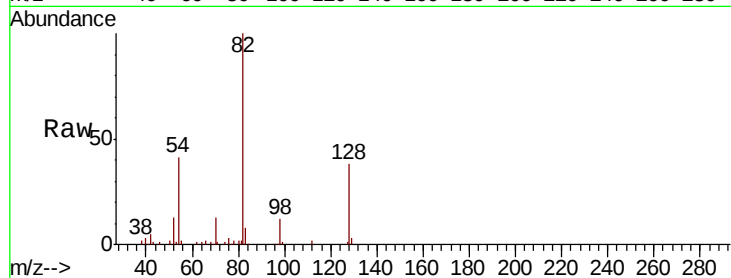
Tot Ion: 82 Resp: 108798

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

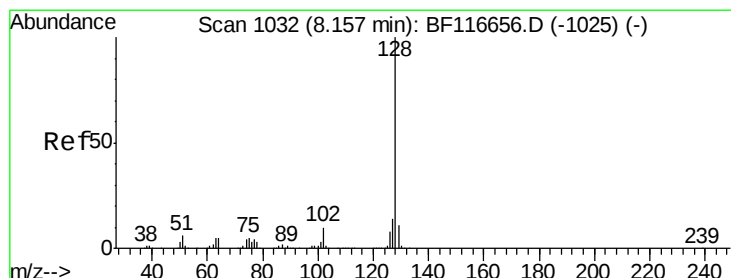
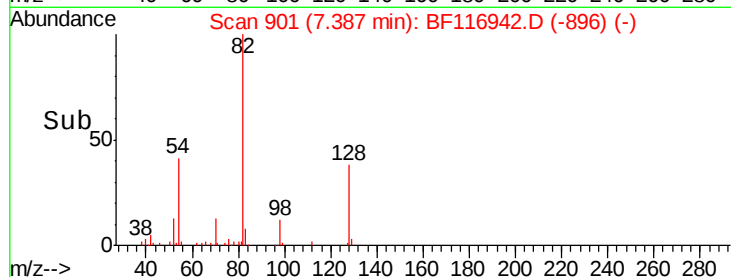
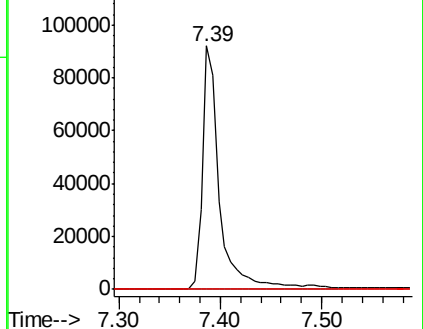
138 0.0 13.5 20.3#



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: 35.724 ng

RT: 8.14 min Scan# 1029

Delta R.T. 0.00 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

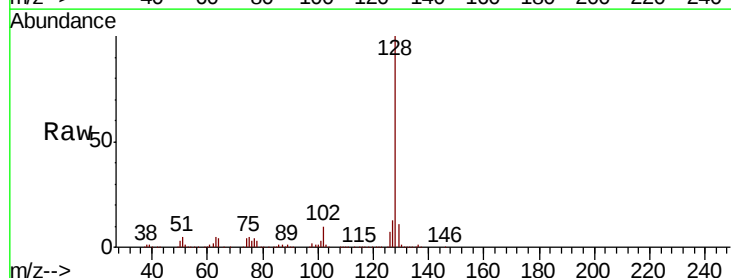
Tgt Ion: 128 Resp: 592817

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

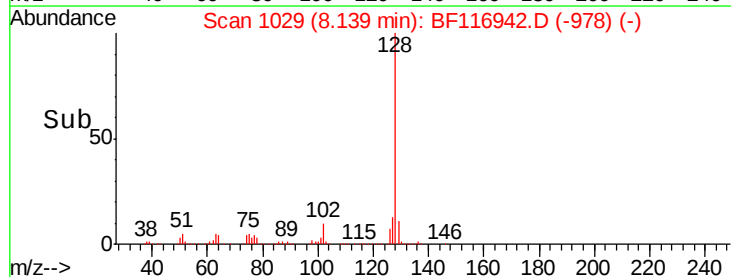
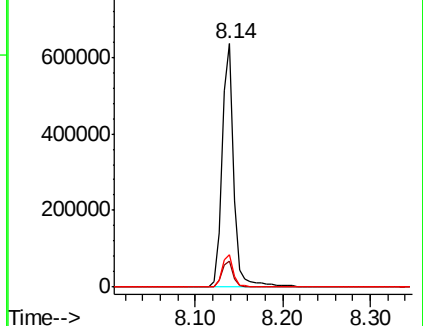
127 13.5 10.4 15.6

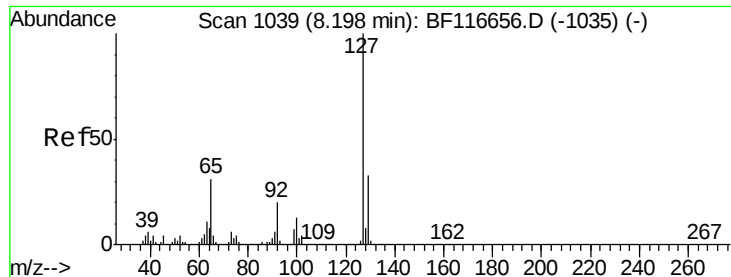


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

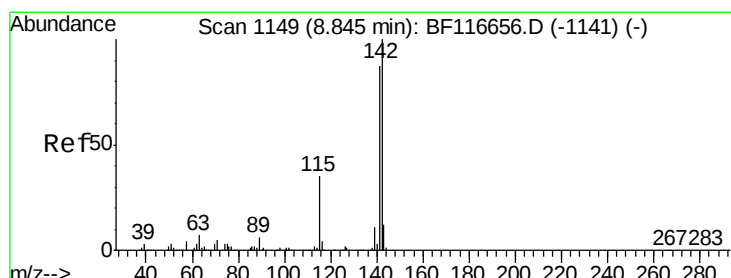
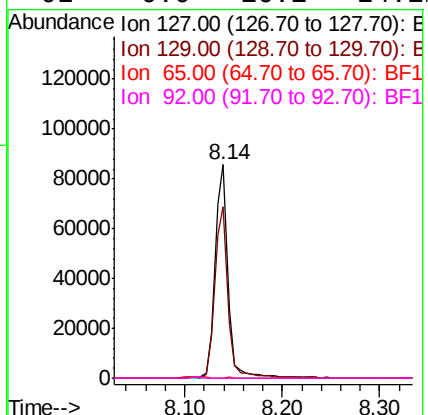
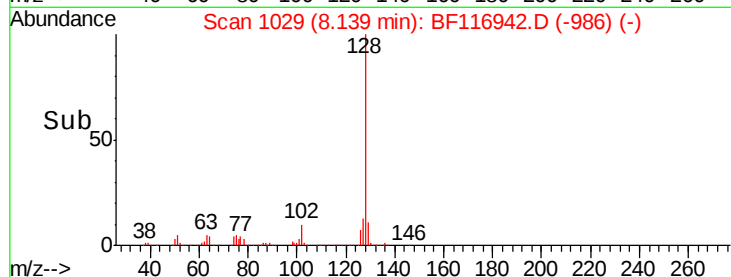
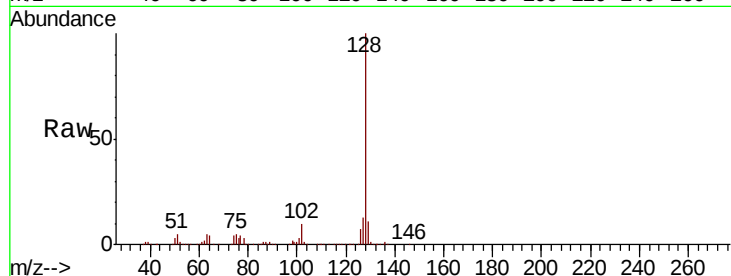




#33
4-Chloroaniline
Concen: 10.452 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.05 min
Lab File: BF116942.D
Acq: 11 Sep 2019 00:41

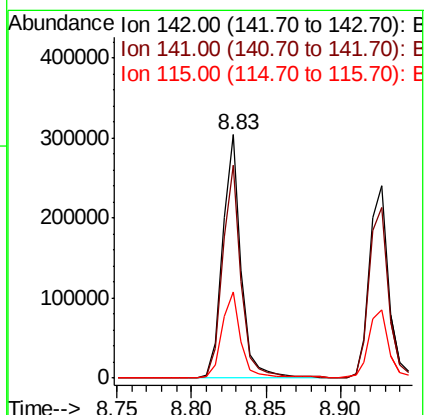
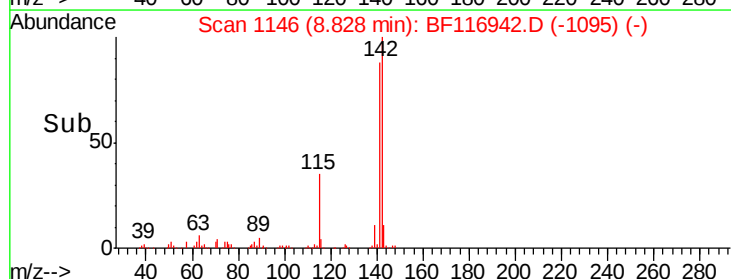
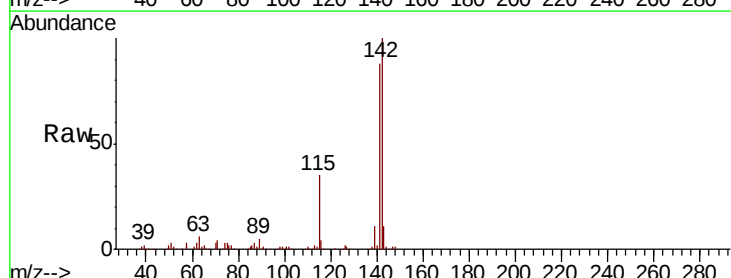
Instrument :
BNA_F
ClientSampleId :

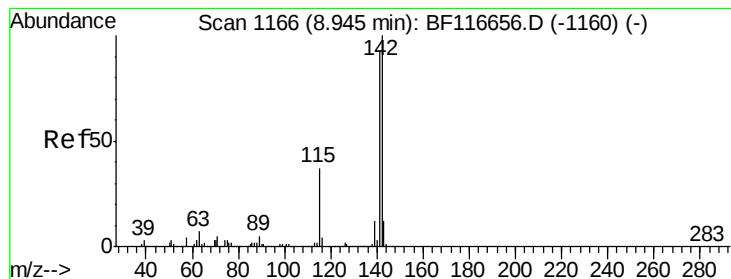
Tot Ion:127	Resp:	78952
Ion Ratio	Lower	Upper
127	100	
129	80.3	26.2 39.2#
65	0.0	26.0 39.0#
92	0.0	16.1 24.1#



#37
2-Methylnaphthalene
Concen: 24.198 ng
RT: 8.83 min Scan# 1146
Delta R.T. 0.00 min
Lab File: BF116942.D
Acq: 11 Sep 2019 00:41

Tgt Ion:142	Resp:	267176
Ion Ratio	Lower	Upper
142	100	
141	87.5	72.6 109.0
115	35.5	29.8 44.6





#38

1-Methylnaphthalene

Concen: 21.151 ng

RT: 8.93 min Scan# 1163

Delta R.T. 0.00 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

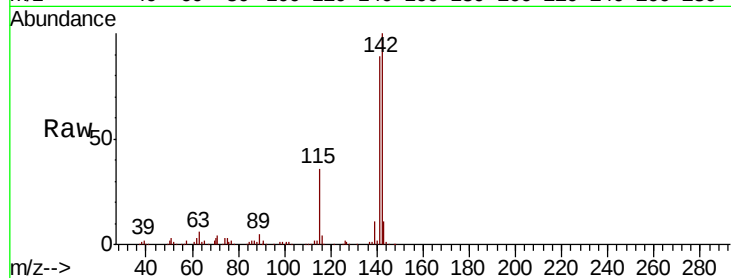
Tot Ion:142 Resp: 220449

Ion Ratio Lower Upper

142 100

141 89.1 73.9 110.9

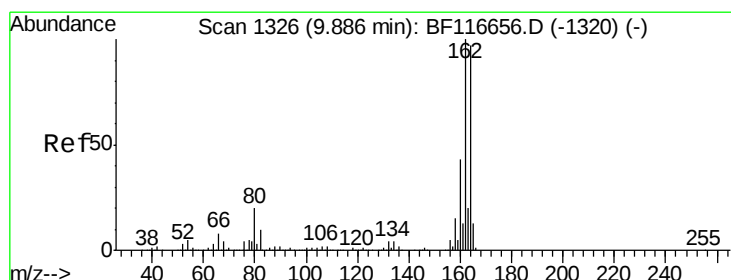
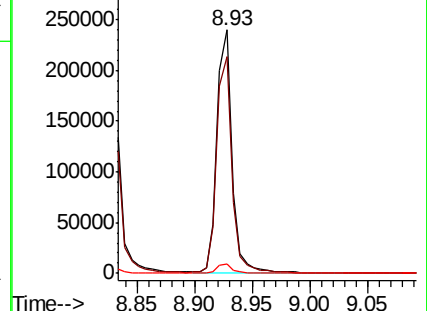
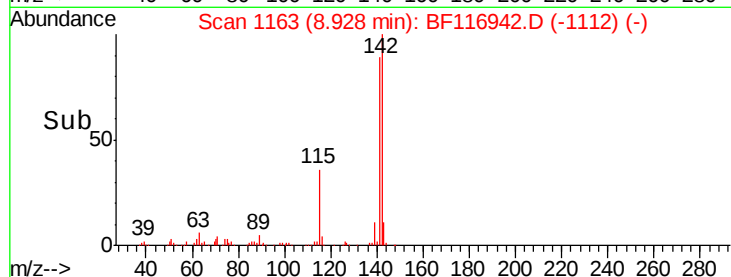
116 3.8 3.0 4.6



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: 9.87 min Scan# 1323

Delta R.T. 0.00 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

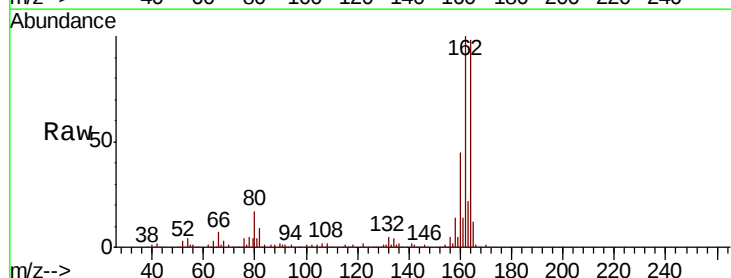
Tgt Ion:164 Resp: 178295

Ion Ratio Lower Upper

164 100

162 101.9 81.4 122.0

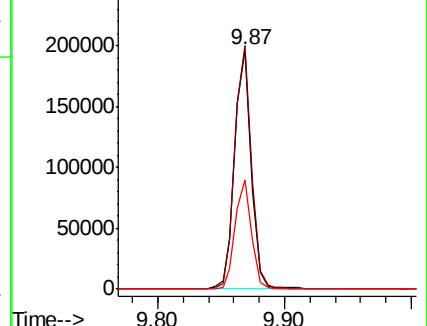
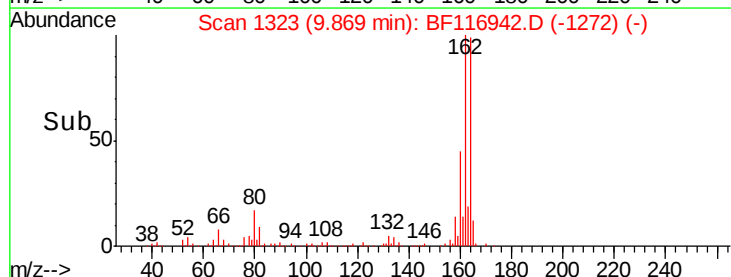
160 45.6 35.4 53.2

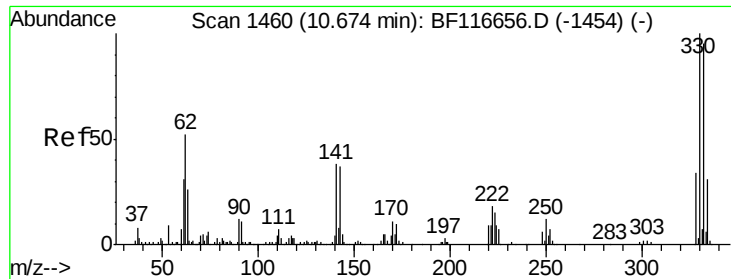


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 25.159 ng

RT: 10.66 min Scan# 1457

Delta R.T. 0.00 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

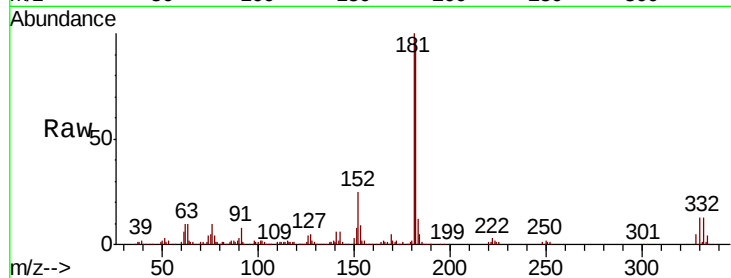
Tot Ion:330 Resp: 29988

Ion Ratio Lower Upper

330 100

332 97.6 76.9 115.3

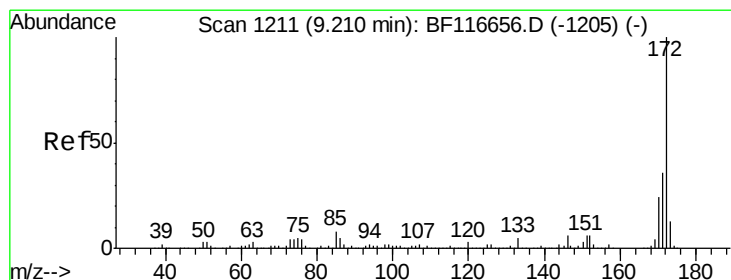
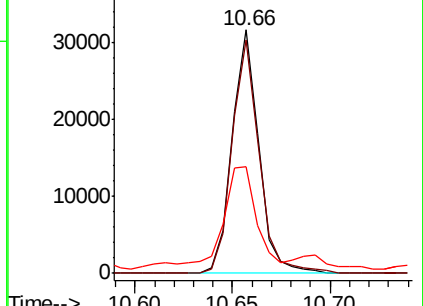
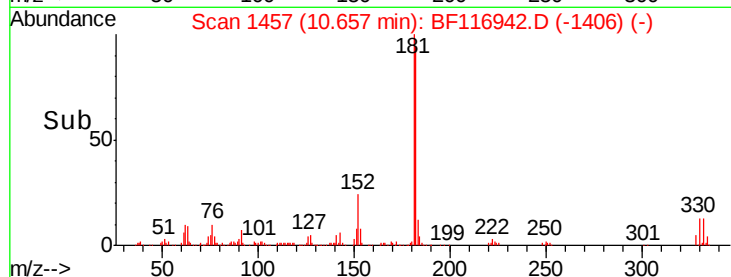
141 54.8 31.4 47.2#



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: 17.444 ng

RT: 9.19 min Scan# 1207

Delta R.T. -0.01 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

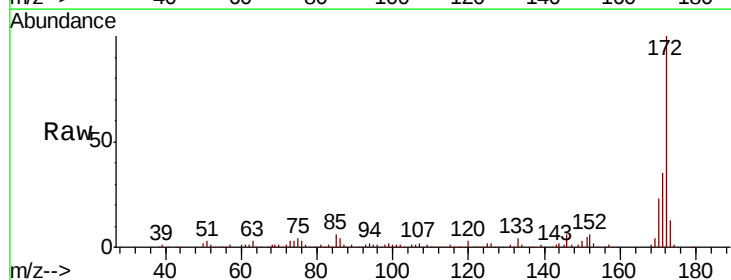
Tgt Ion:172 Resp: 184371

Ion Ratio Lower Upper

172 100

171 34.8 27.8 41.6

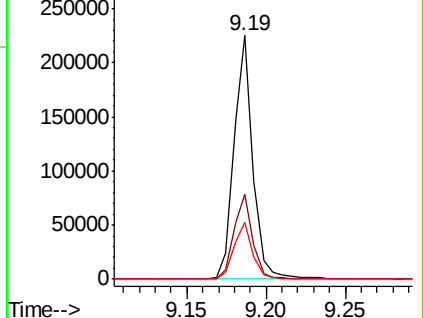
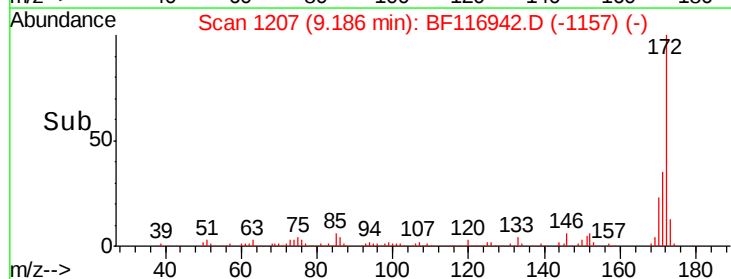
170 23.5 18.9 28.3

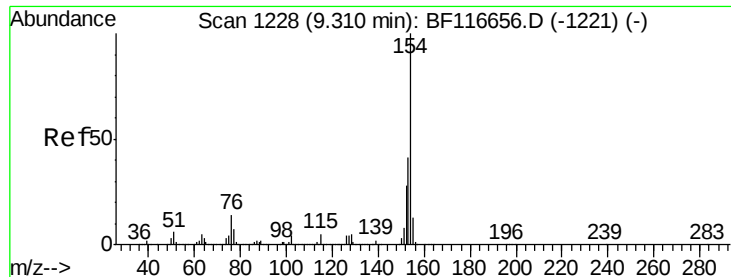


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#46

1,1'-Biphenyl

Concen: 8.702 ng

RT: 9.29 min Scan# 1224

Delta R.T. -0.01 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

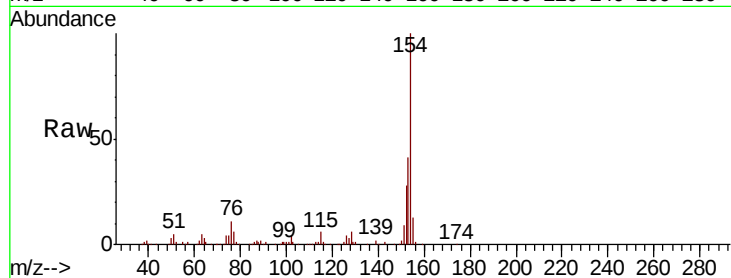
Tot Ion:154 Resp: 117733

Ion Ratio Lower Upper

154 100

153 41.4 21.2 61.2

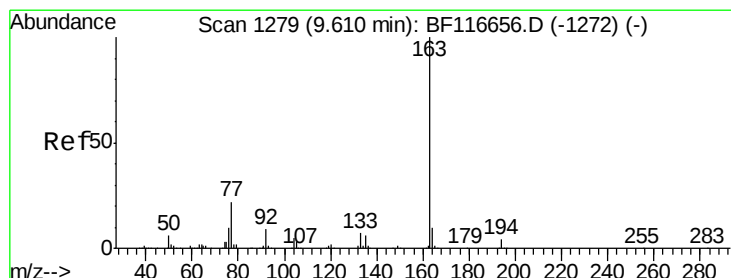
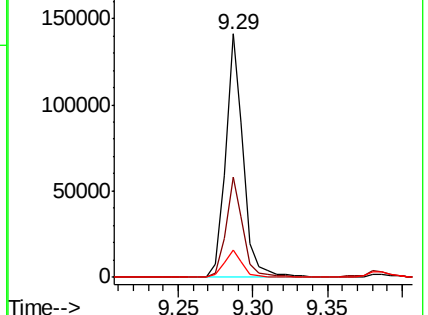
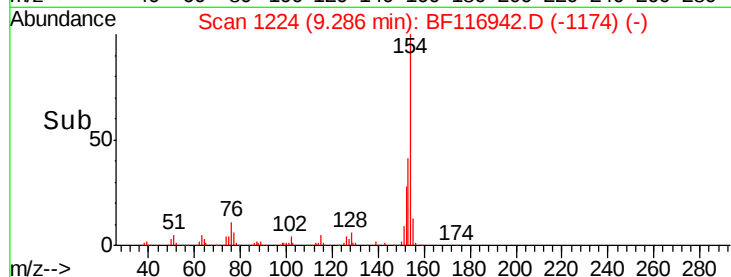
76 11.4 0.0 30.9



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



#50

Dimethylphthalate

Concen: 2.196 ng

RT: 9.58 min Scan# 1274

Delta R.T. -0.01 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

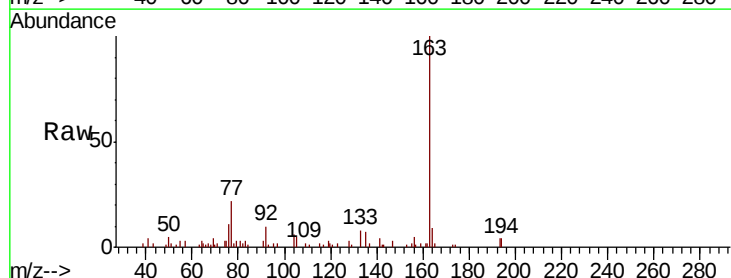
Tgt Ion:163 Resp: 27036

Ion Ratio Lower Upper

163 100

194 4.1 2.8 4.2

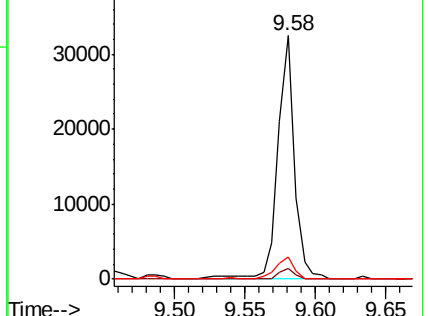
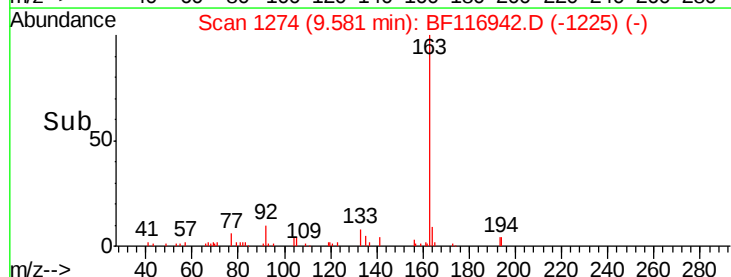
164 9.1 8.6 12.8

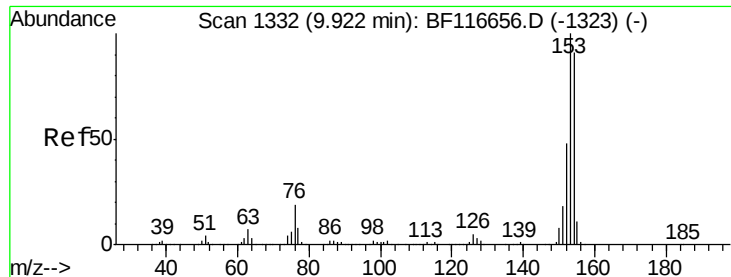


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 66.276 ng

RT: 9.90 min Scan# 1329

Delta R.T. 0.00 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

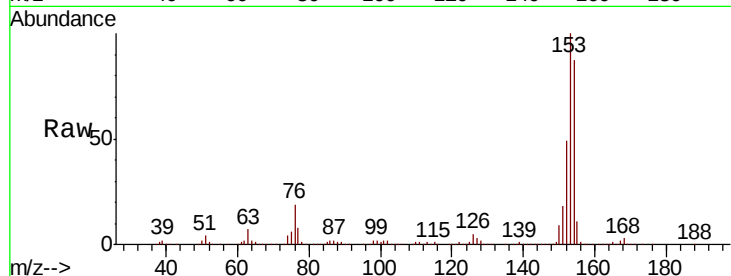
Tot Ion:154 Resp: 659624

Ion Ratio Lower Upper

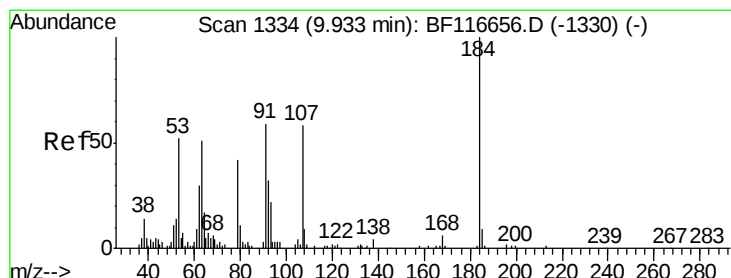
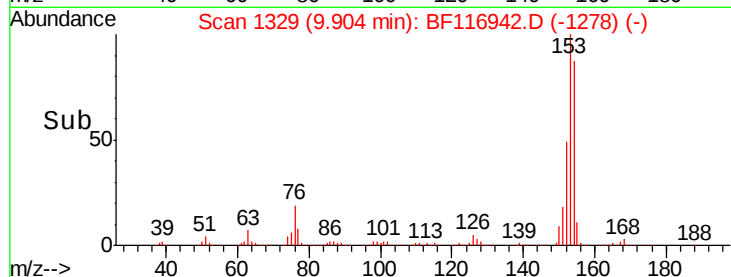
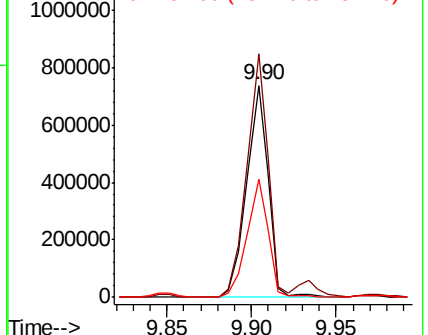
154 100

153 114.7 89.5 134.3

152 55.7 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



#54

2,4-Dinitrophenol

Concen: 9.156 ng

RT: 10.19 min Scan# 1377

Delta R.T. 0.25 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

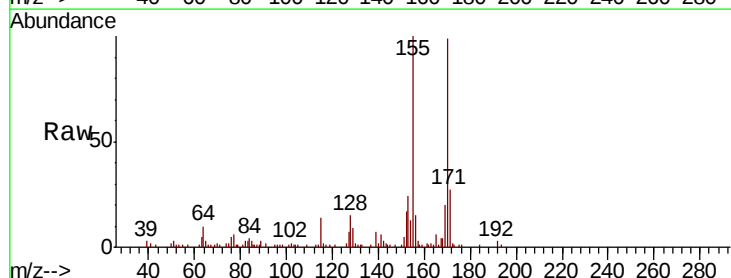
Tgt Ion:184 Resp: 109

Ion Ratio Lower Upper

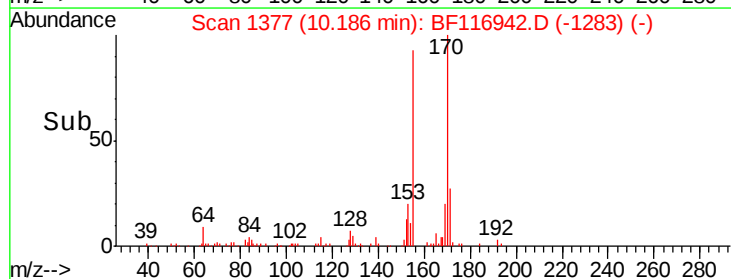
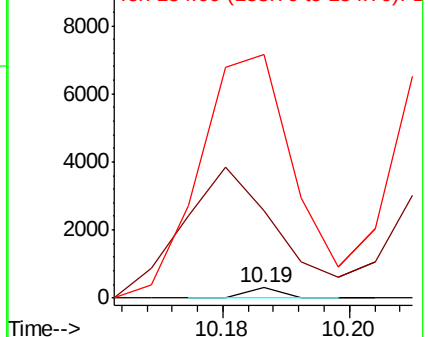
184 100

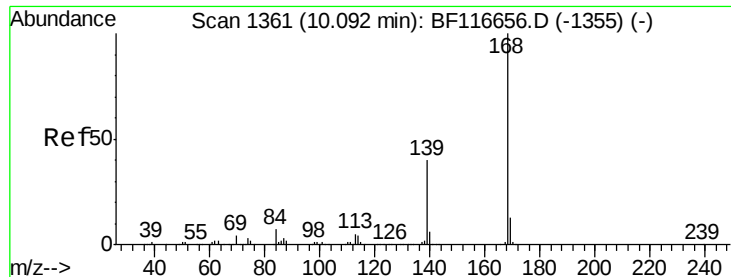
63 832.1 52.2 78.2#

154 2322.4 60.8 91.2#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

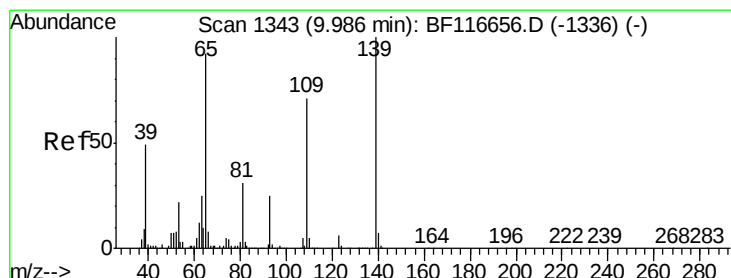
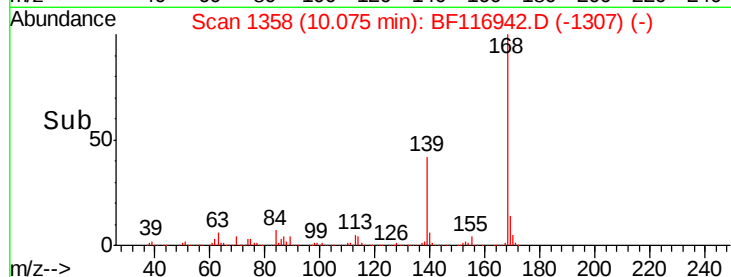
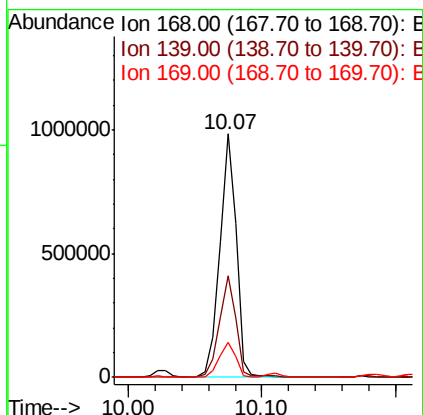
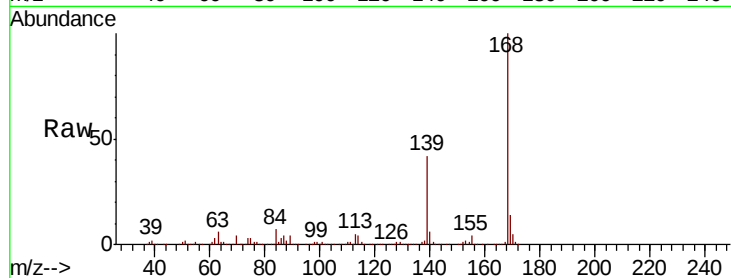




#55
Dibenzofuran
Concen: 61.184 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.00 min
Lab File: BF116942.D
Acq: 11 Sep 2019 00:41

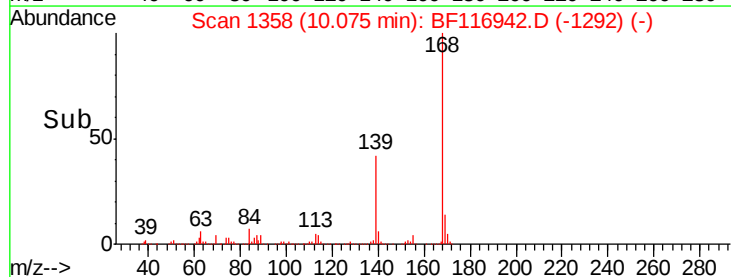
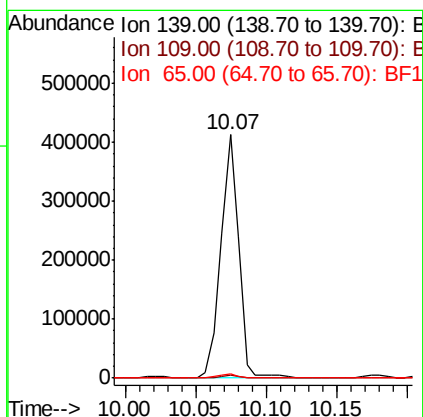
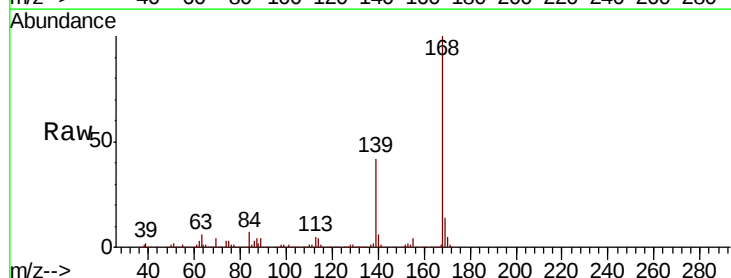
Instrument :
BNA_F
ClientSampleId :

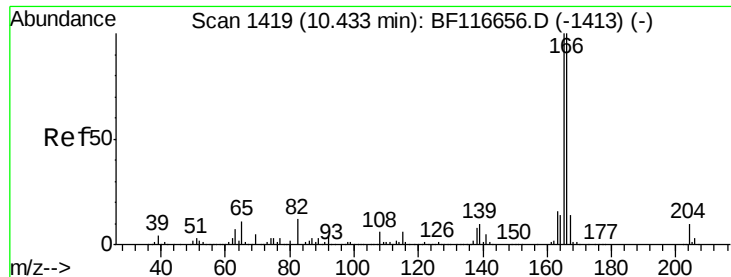
Tot Ion:168 Resp: 858435
Ion Ratio Lower Upper
168 100
139 42.0 31.5 47.3
169 14.3 10.3 15.5



#56
4-Nitrophenol
Concen: 179.911 ng
RT: 10.07 min Scan# 1358
Delta R.T. 0.09 min
Lab File: BF116942.D
Acq: 11 Sep 2019 00:41

Tgt Ion:139 Resp: 363078
Ion Ratio Lower Upper
139 100
109 1.0 61.7 101.7#
65 1.6 89.1 129.1#





#58

Fluorene

Concen: 93.989 ng

RT: 10.42 min Scan# 1417

Delta R.T. 0.01 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

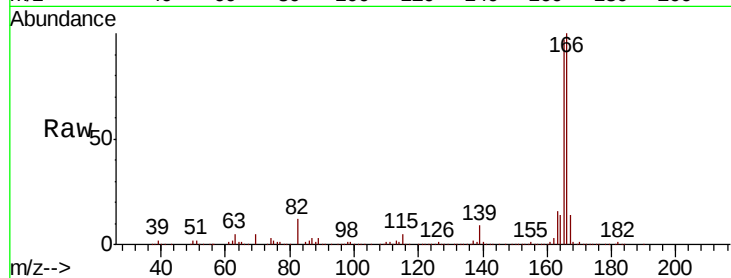
Tot Ion:166 Resp: 1004801

Ion Ratio Lower Upper

166 100

165 97.1 78.8 118.2

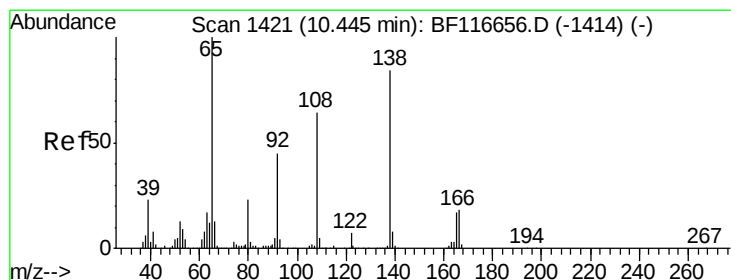
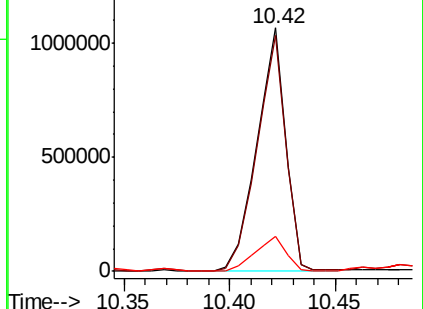
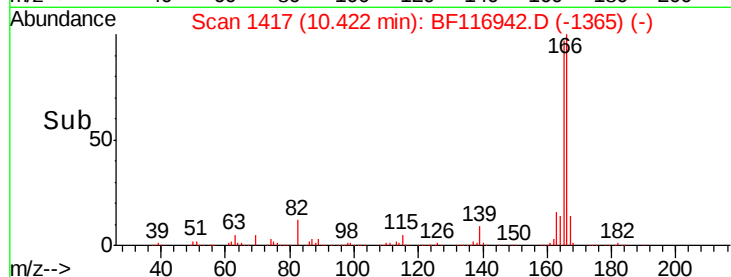
167 14.1 10.0 15.0



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



#62

4-Nitroaniline

Concen: 4.271 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

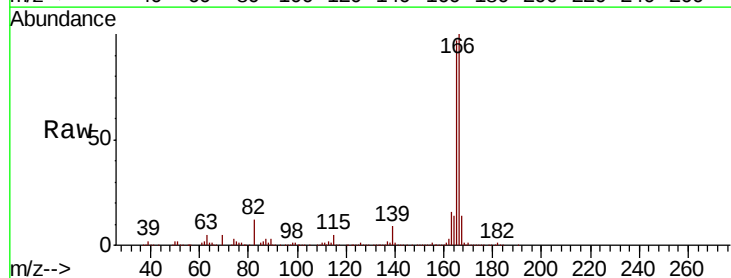
Tgt Ion:138 Resp: 12199

Ion Ratio Lower Upper

138 100

92 0.0 28.7 68.7#

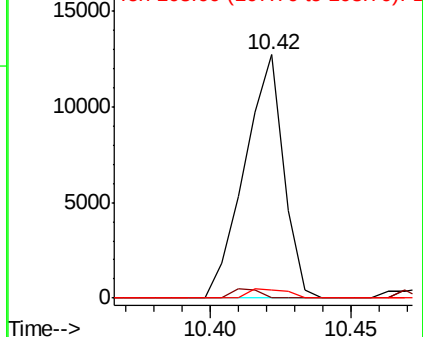
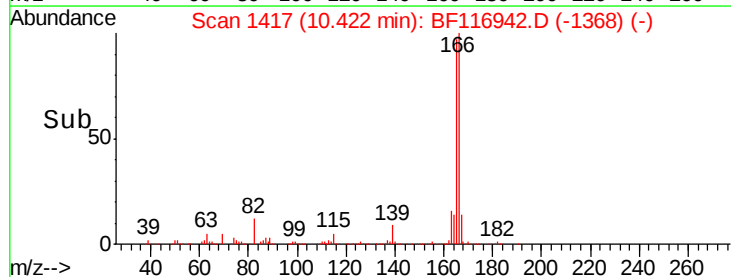
108 3.1 60.4 100.4#

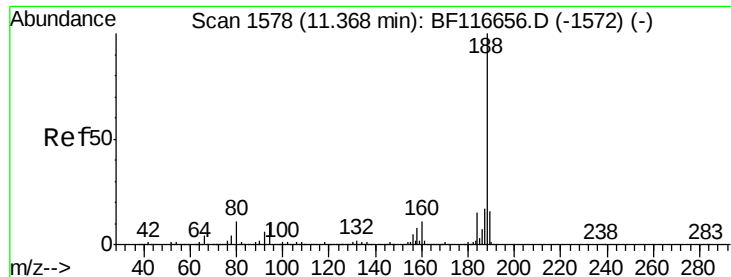


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 92.00 (91.70 to 92.70): BF1

Ion 108.00 (107.70 to 108.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.36 min Scan# 1576

Delta R.T. 0.01 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

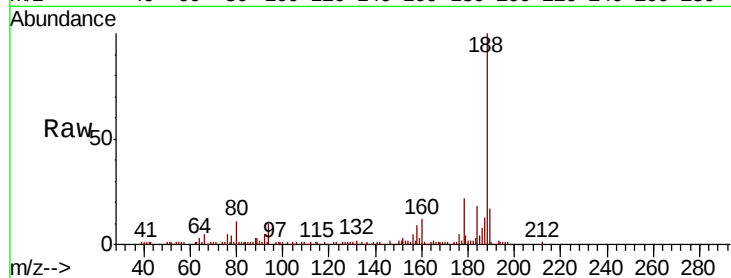
Tot Ion:188 Resp: 247177

Ion Ratio Lower Upper

188 100

94 9.8 7.3 10.9

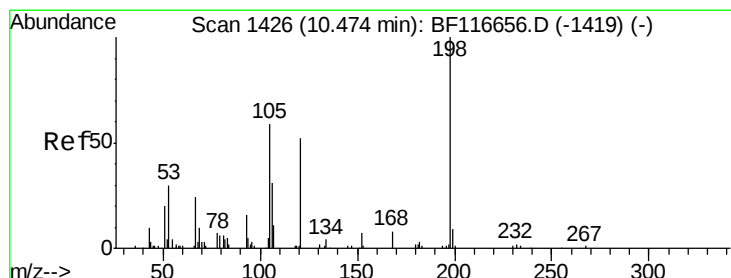
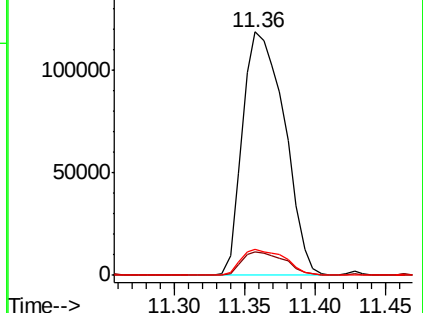
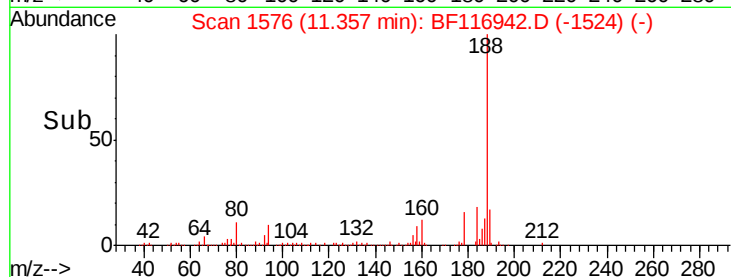
80 10.6 8.4 12.6



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: 8.196 ng

RT: 10.68 min Scan# 1461

Delta R.T. 0.21 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

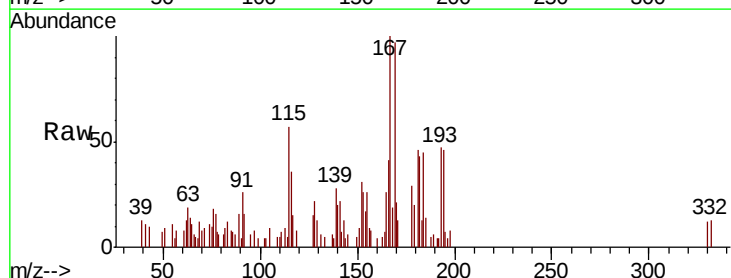
Tgt Ion:198 Resp: 803

Ion Ratio Lower Upper

198 100

51 108.9 18.4 58.4#

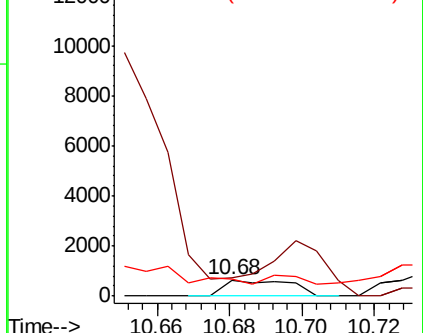
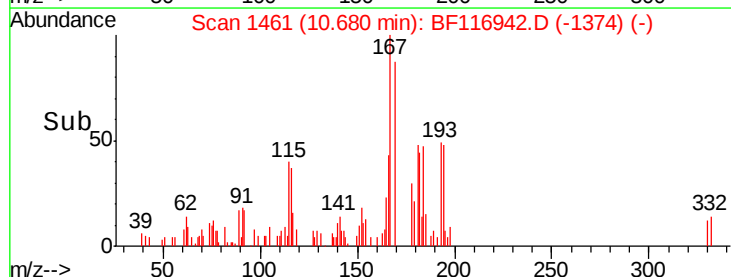
105 103.7 22.9 62.9#

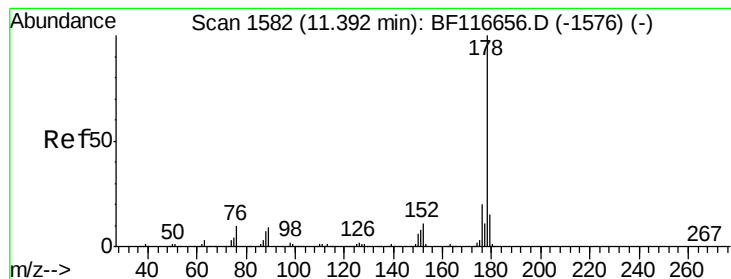


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E





#71

Phenanthrene

Concen: 485.025 ng

RT: 11.42 min Scan# 1586

Delta R.T. 0.04 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

Instrument :

BNA_F

ClientSampleId :

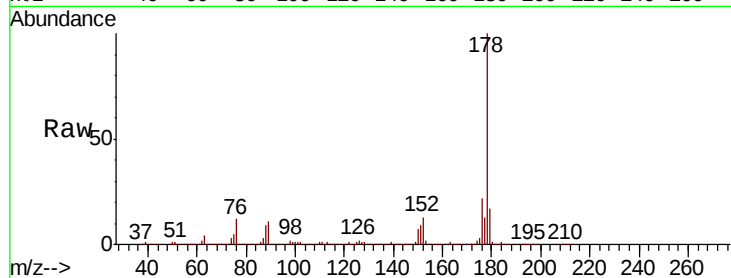
Tot Ion:178 Resp: 6673684

Ion Ratio Lower Upper

178 100

176 21.7 15.4 23.0

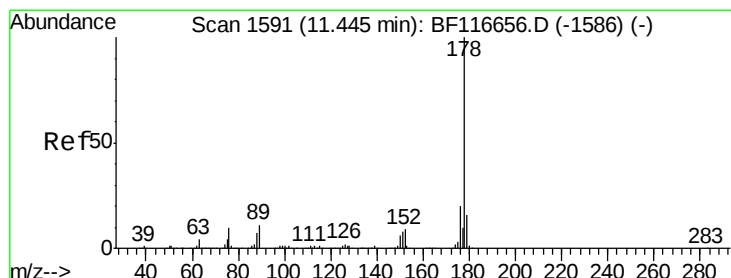
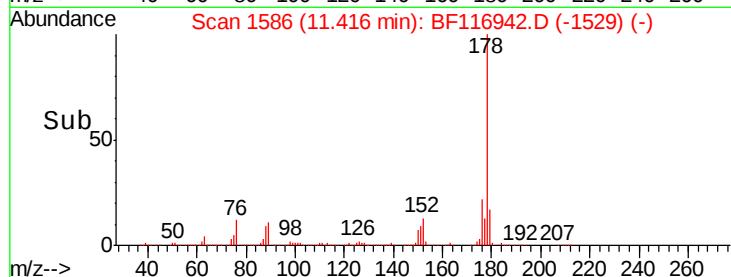
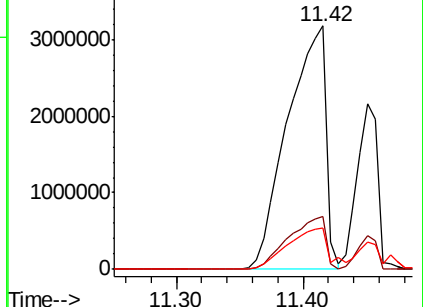
179 17.1 12.2 18.2



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: 174.716 ng

RT: 11.45 min Scan# 1592

Delta R.T. 0.02 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

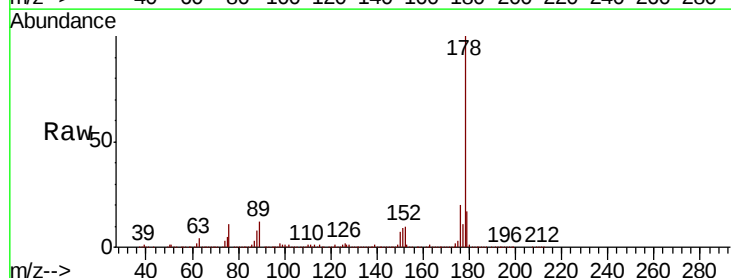
Tgt Ion:178 Resp: 2419965

Ion Ratio Lower Upper

178 100

176 20.2 15.4 23.0

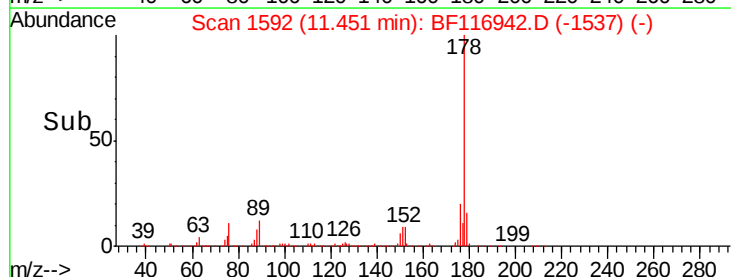
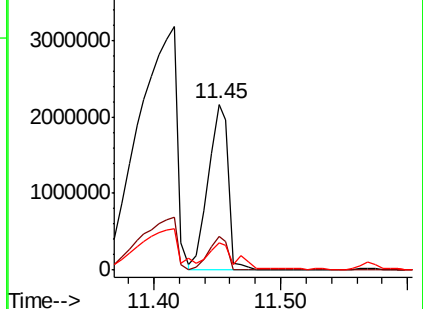
179 16.5 12.5 18.7

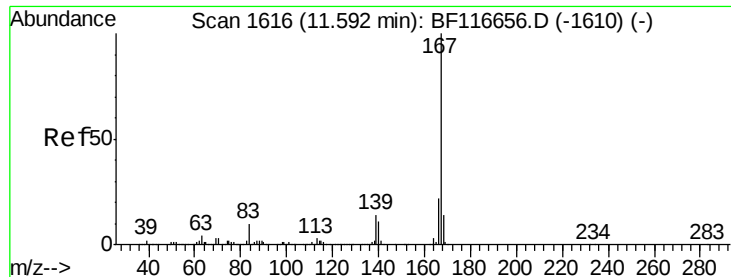


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

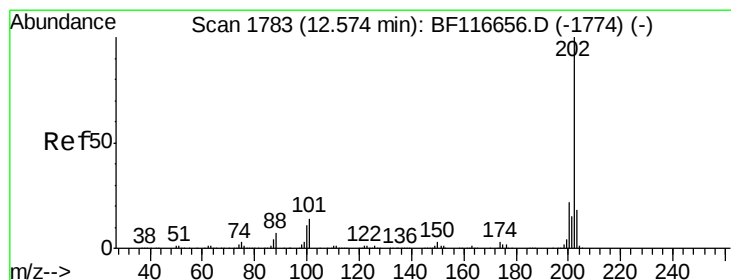
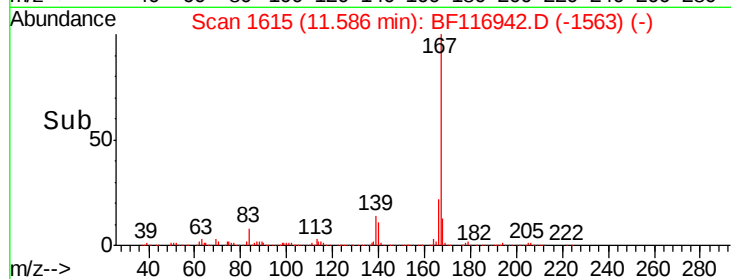
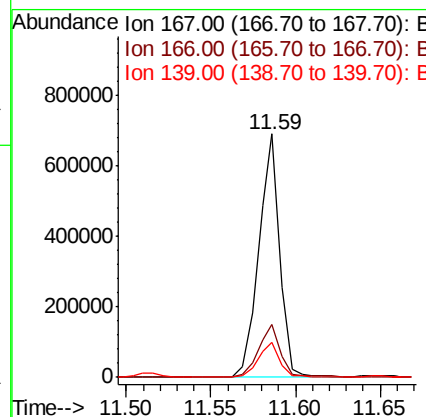
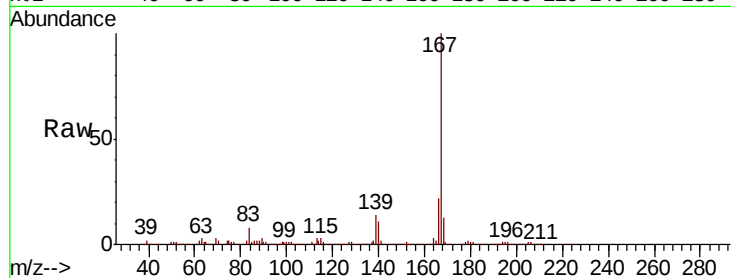




#73
 Carbazole
 Concen: 45.055 ng
 RT: 11.59 min Scan# 1615
 Delta R.T. 0.01 min
 Lab File: BF116942.D
 Acq: 11 Sep 2019 00:41

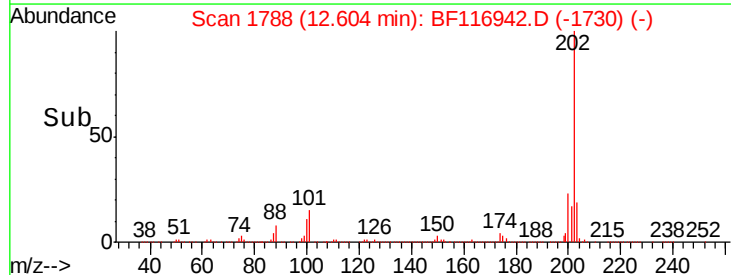
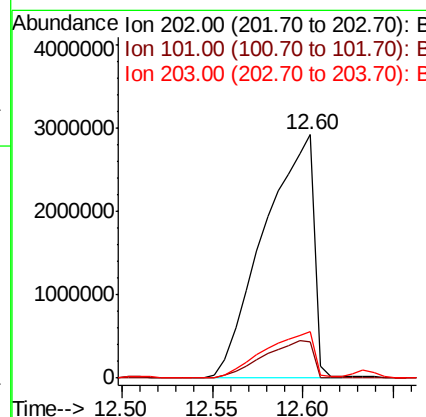
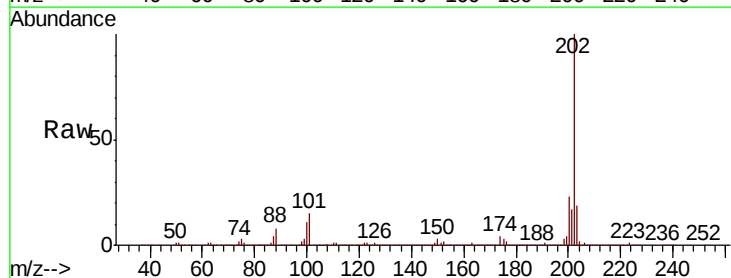
Instrument :
 BNA_F
 ClientSampleId :

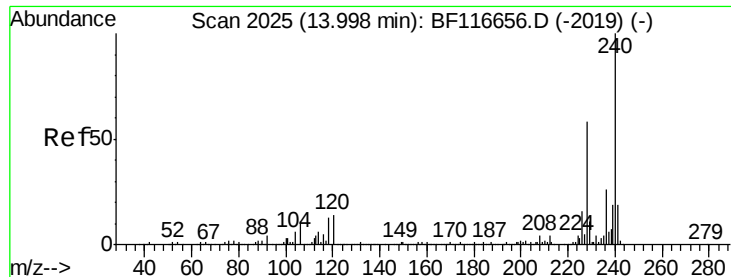
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.8	26.6
139	14.1	11.1	16.7



#75
 Fluoranthene
 Concen: 411.877 ng
 RT: 12.60 min Scan# 1788
 Delta R.T. 0.04 min
 Lab File: BF116942.D
 Acq: 11 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
202	100		
101	15.1	0.0	31.3
203	19.4	0.0	37.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.00 min Scan# 2026

Delta R.T. 0.02 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

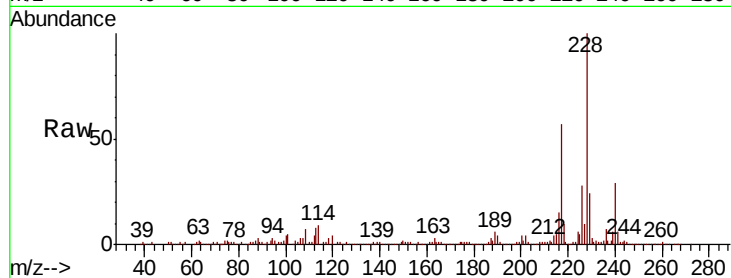
Instrument :

BNA_F

ClientSampleId :

Tot Ion:240 Resp: 136390

Ion	Ratio	Lower	Upper
240	100		
120	12.8	9.1	13.7
236	25.2	21.1	31.7

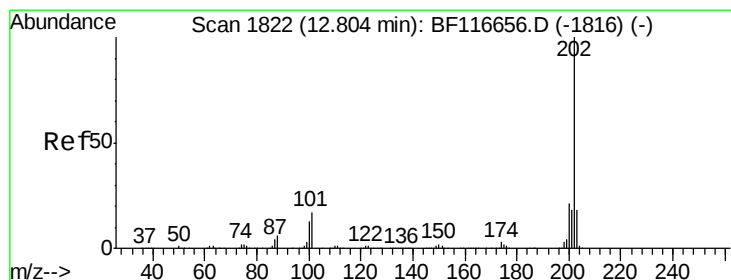
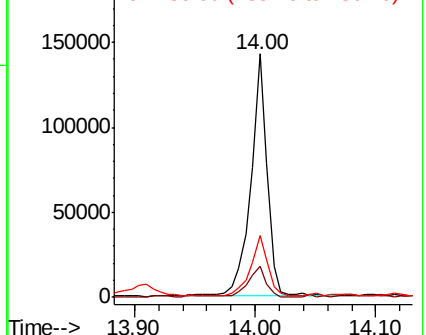
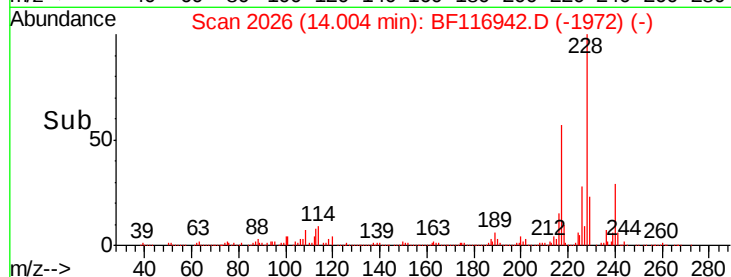


Abundance

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: 386.895 ng

RT: 12.83 min Scan# 1826

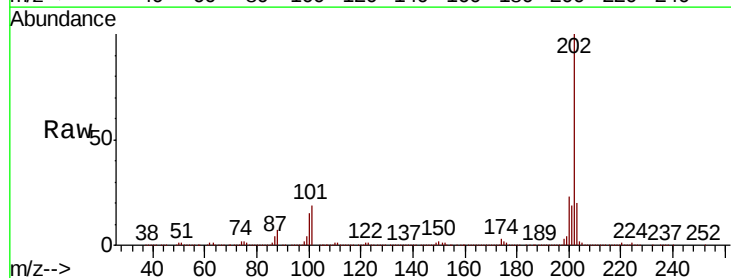
Delta R.T. 0.04 min

Lab File: BF116942.D

Acq: 11 Sep 2019 00:41

Tgt Ion:202 Resp: 4690781

Ion	Ratio	Lower	Upper
202	100		
200	23.2	16.5	24.7
203	20.2	13.7	20.5

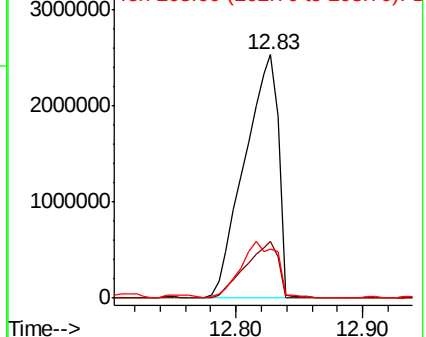
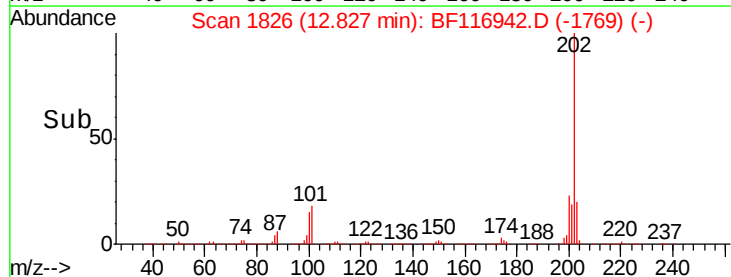


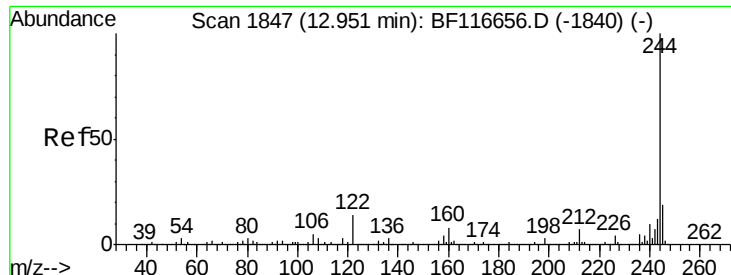
Abundance

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

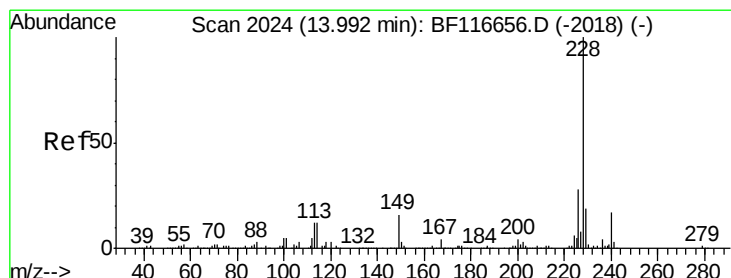
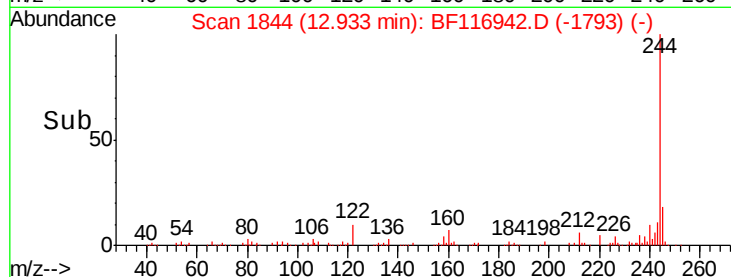
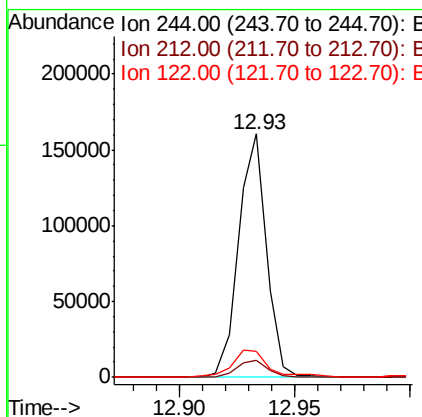
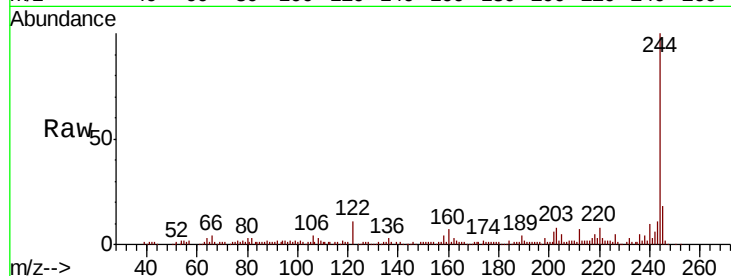




#79
 Terphenyl-d14
 Concen: 18.304 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. 0.00 min
 Lab File: BF116942.D
 Acq: 11 Sep 2019 00:41

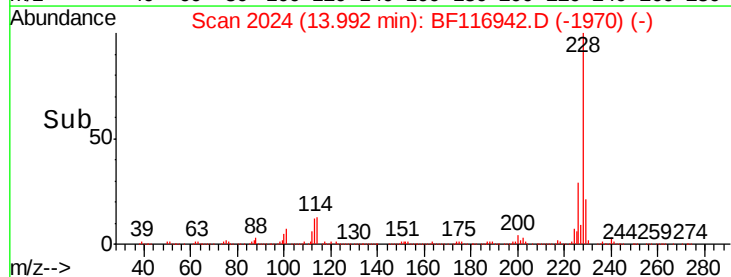
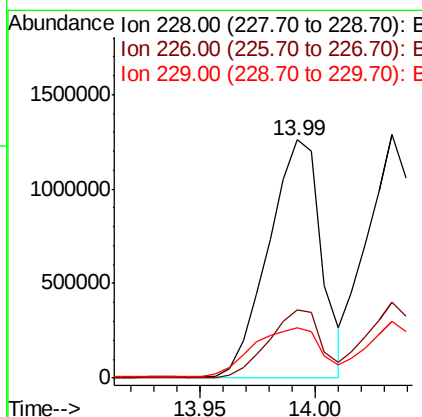
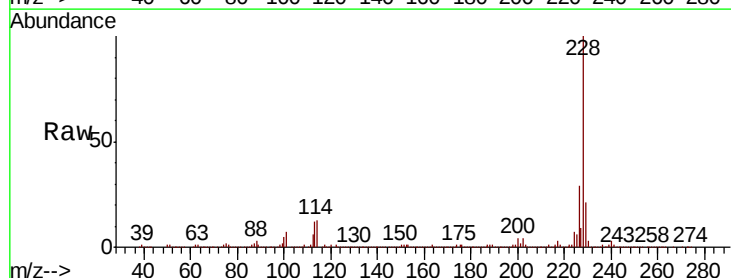
Instrument :
 BNA_F
 ClientSampleId :

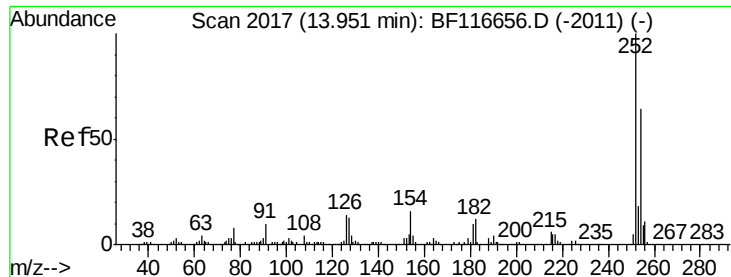
Tot Ion:244 Resp: 134946
 Ion Ratio Lower Upper
 244 100
 212 7.1 6.1 9.1
 122 10.8 10.2 15.4



#81
 Benzo(a)anthracene
 Concen: 231.303 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. 0.02 min
 Lab File: BF116942.D
 Acq: 11 Sep 2019 00:41

Tgt Ion:228 Resp: 1996627
 Ion Ratio Lower Upper
 228 100
 226 28.8 22.0 33.0
 229 21.1 16.4 24.6

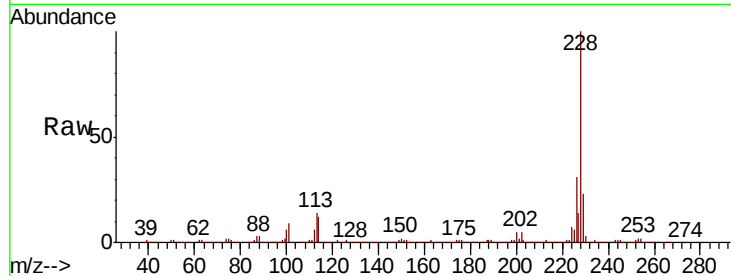




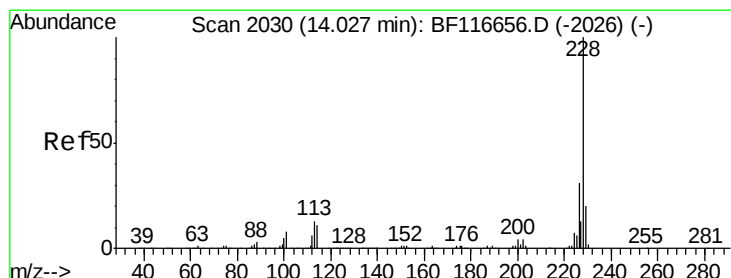
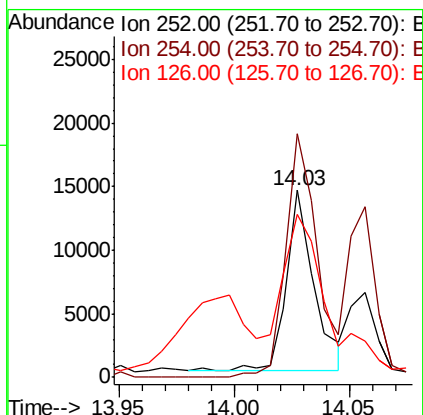
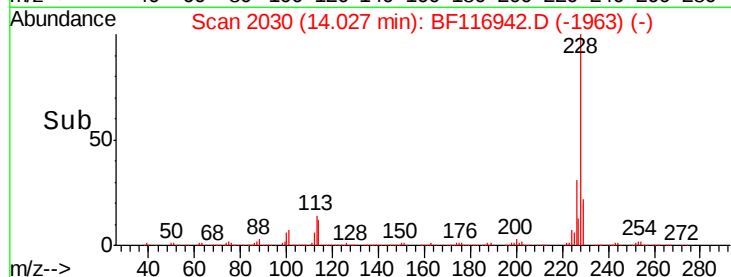
#82
 3,3'-Dichlorobenzidine
 Concen: 4.025 ng
 RT: 14.03 min Scan# 2030
 Delta R.T. 0.09 min
 Lab File: BF116942.D
 Acq: 11 Sep 2019 00:41

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:252 Resp: 11741
 Ion Ratio Lower Upper
 252 100
 254 130.3 50.1 75.1#
 126 87.3 10.6 16.0#

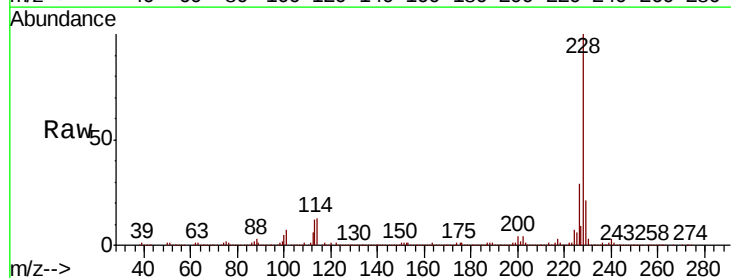


Abundance Ion 252.00 (251.70 to 252.70): E
 Ion 254.00 (253.70 to 254.70): E
 Ion 126.00 (125.70 to 126.70): E

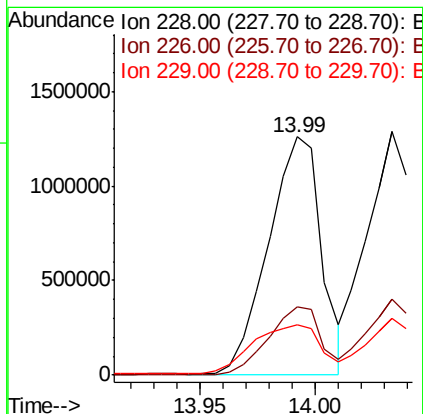
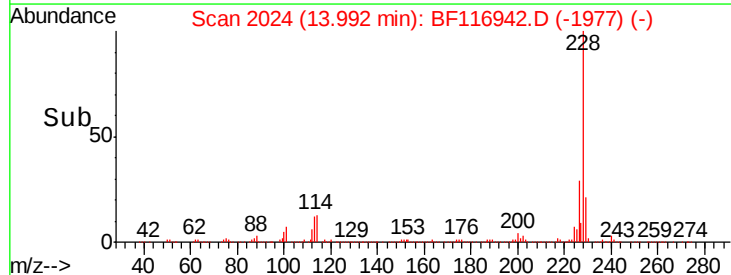


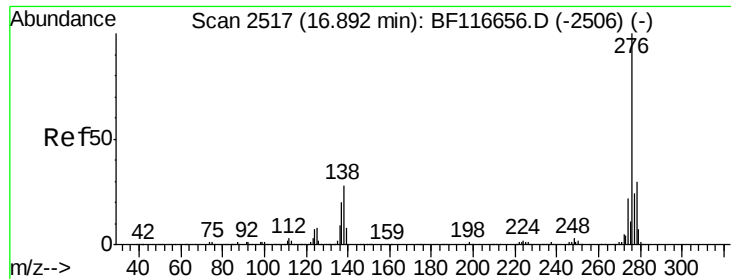
#83
 Chrysene
 Concen: 224.513 ng
 RT: 13.99 min Scan# 2024
 Delta R.T. -0.02 min
 Lab File: BF116942.D
 Acq: 11 Sep 2019 00:41

Tgt Ion:228 Resp: 1996627
 Ion Ratio Lower Upper
 228 100
 226 28.8 24.0 36.0
 229 21.1 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

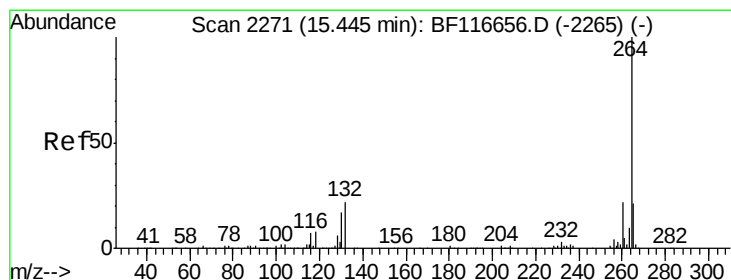
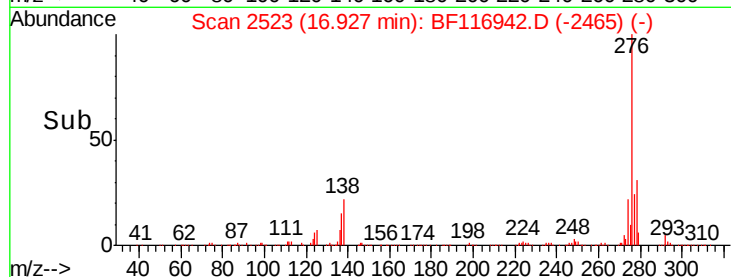
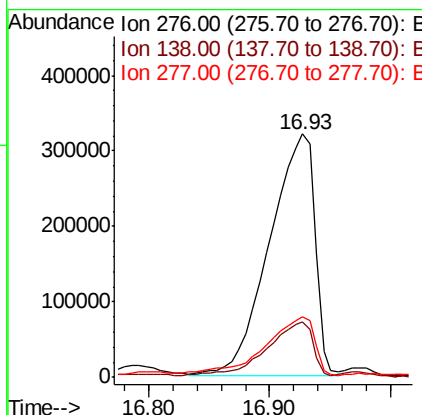
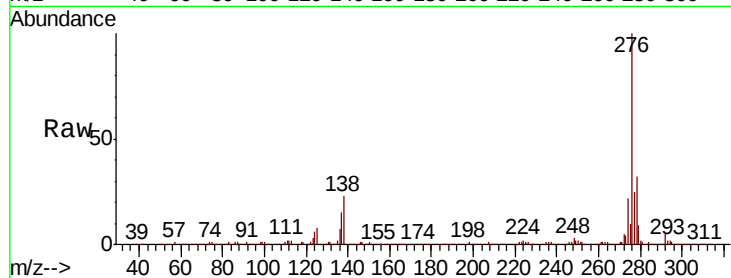




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 117.200 ng
 RT: 16.93 min Scan# 2523
 Delta R.T. 0.04 min
 Lab File: BF116942.D
 Acq: 11 Sep 2019 00:41

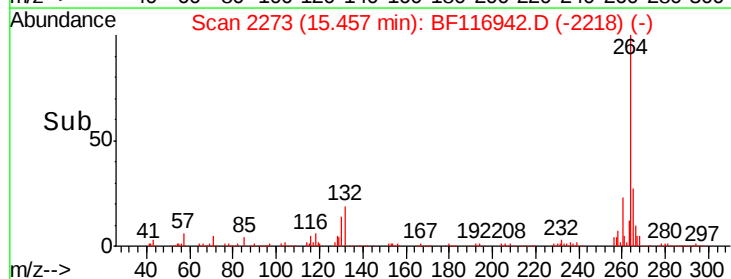
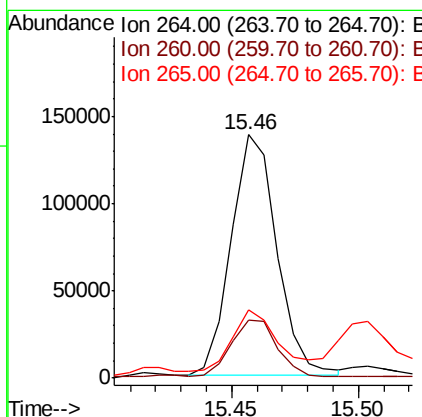
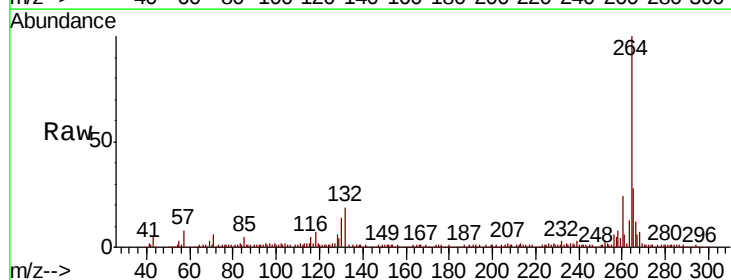
Instrument :
 BNA_F
 ClientSampleId :

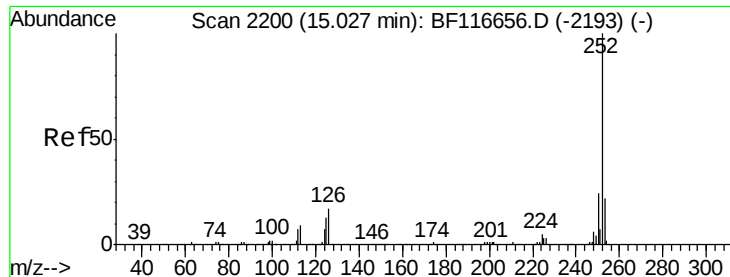
Tot Ion	Ratio	Lower	Upper
276	100		
138	22.0	19.4	29.2
277	26.2	20.5	30.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.46 min Scan# 2273
 Delta R.T. 0.02 min
 Lab File: BF116942.D
 Acq: 11 Sep 2019 00:41

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	18.3	27.5
265	28.1	16.5	24.7#

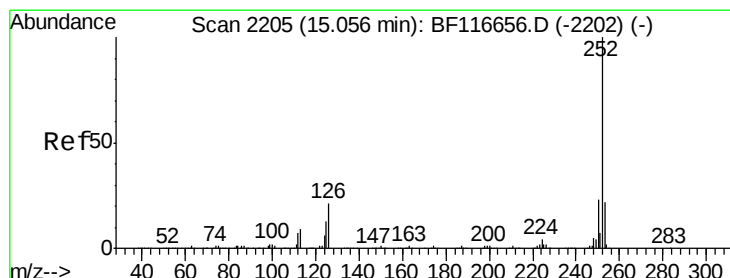
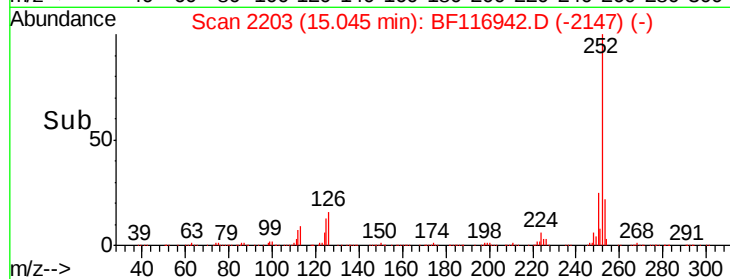
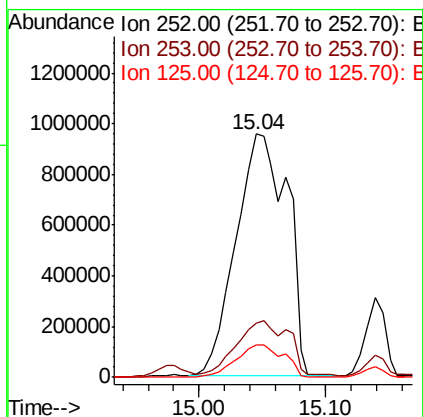
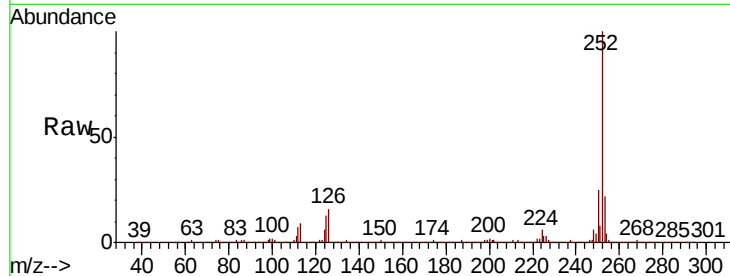




#88
Benzo(b)fluoranthene
Concen: 255.376 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.03 min
Lab File: BF116942.D
Acq: 11 Sep 2019 00:41

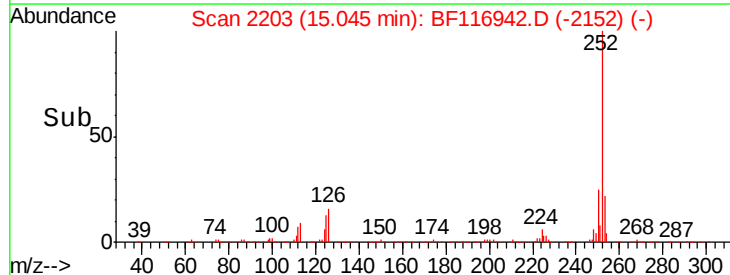
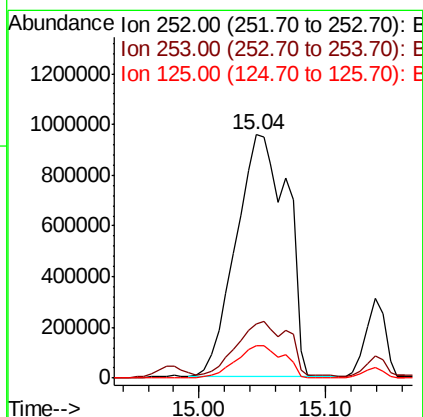
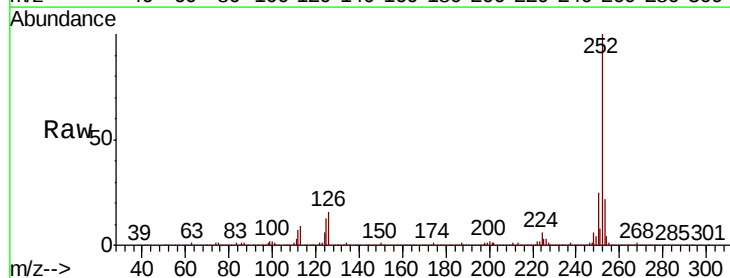
Instrument :
BNA_F
ClientSampleId :

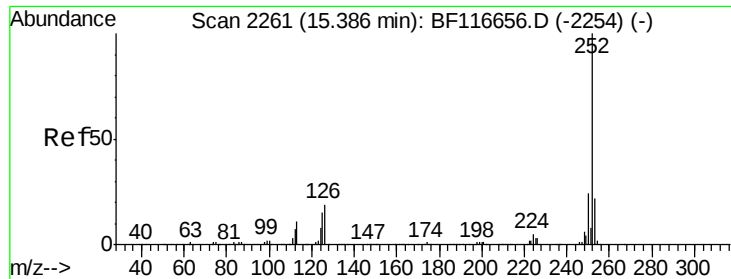
Tot Ion:252 Resp: 2675891
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 13.1 8.2 12.2#



#89
Benzo(k)fluoranthene
Concen: 280.086 ng
RT: 15.04 min Scan# 2203
Delta R.T. 0.00 min
Lab File: BF116942.D
Acq: 11 Sep 2019 00:41

Tgt Ion:252 Resp: 2675891
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 13.1 8.6 13.0#

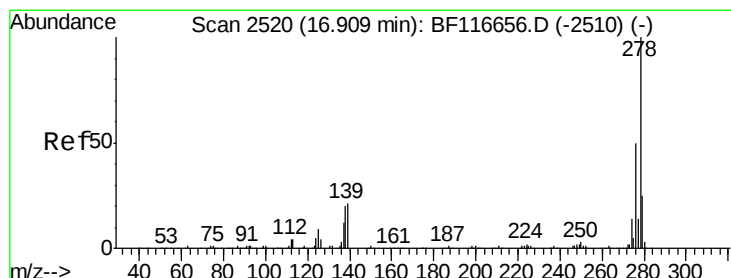
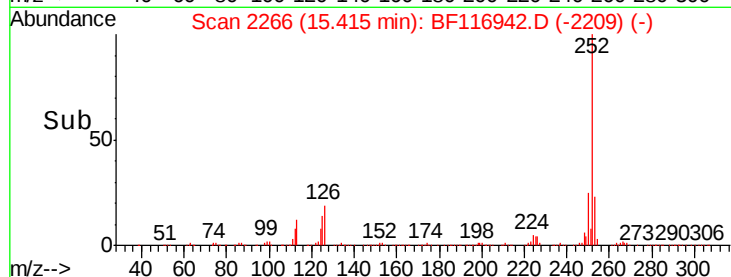
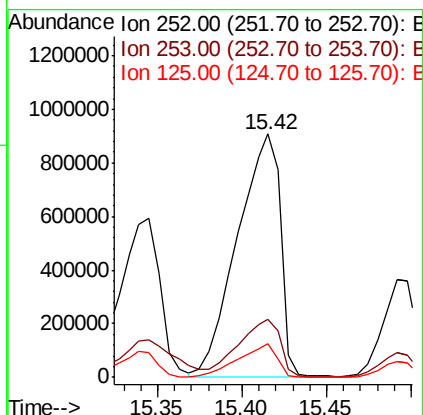
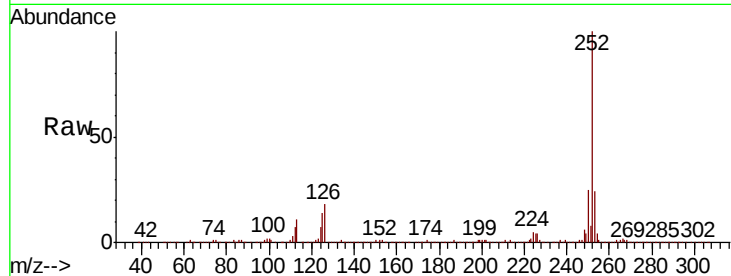




#90
Benzo(a)pyrene
Concen: 175.339 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.04 min
Lab File: BF116942.D
Acq: 11 Sep 2019 00:41

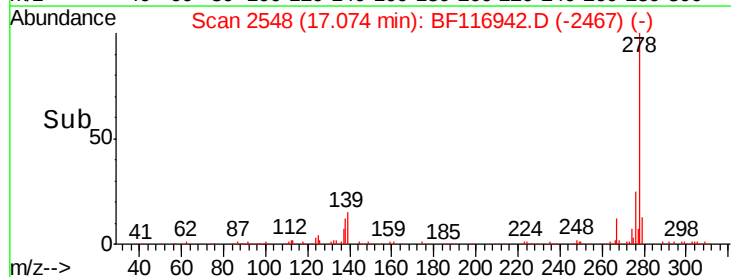
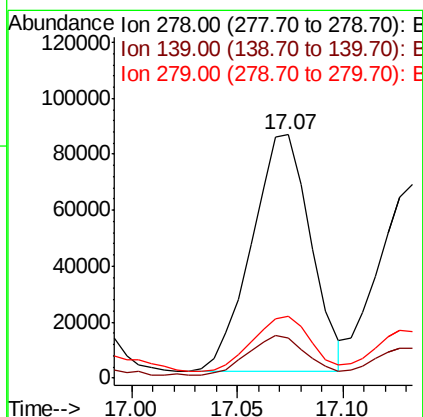
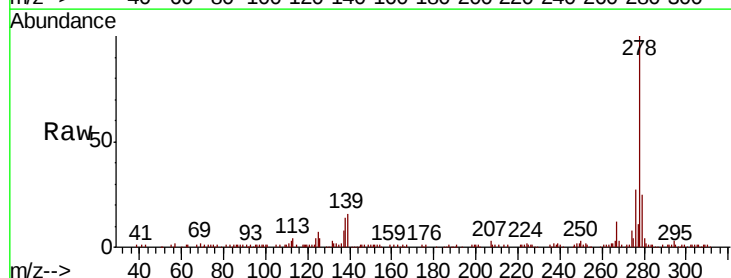
Instrument :
BNA_F
ClientSampleId :

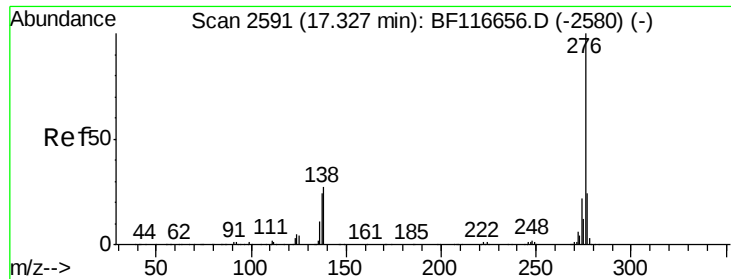
Tot Ion:252 Resp: 1598427
Ion Ratio Lower Upper
252 100
253 23.7 18.1 27.1
125 13.6 9.8 14.8



#91
Dibenzo(a,h)anthracene
Concen: 20.676 ng
RT: 17.07 min Scan# 2548
Delta R.T. 0.18 min
Lab File: BF116942.D
Acq: 11 Sep 2019 00:41

Tgt Ion:278 Resp: 164981
Ion Ratio Lower Upper
278 100
139 16.3 12.4 18.6
279 25.4 18.2 27.4

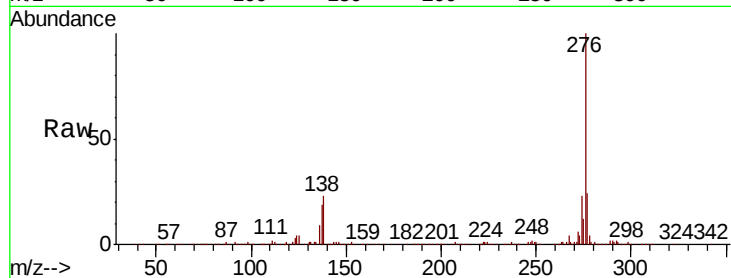




#92
 Benzo(a,h,i)perylene
 Concen: 86.021 ng
 RT: 17.37 min Scan# 2598
 Delta R.T. 0.05 min
 Lab File: BF116942.D
 Acq: 11 Sep 2019 00:41

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:	276	Resp:	700042
Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.5	27.7
138	22.6	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

