

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF071919\
 Data File : BF115694.D
 Acq On : 20 Jul 2019 1:31
 Operator : HP/JU
 Sample : K3887-01 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 20 04:01:49 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071219.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 12 14:03:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.88	152	157267	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	602713	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	327936	20.00	ng	0.00
64) Phenanthrene-d10	11.41	188	478010	20.00	ng	0.00
76) Chrysene-d12	14.06	240	247355	20.00	ng	0.01
87) Perylene-d12	15.53	264	240305	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	347708	36.16	ng	0.00
7) Phenol-d6	6.50	99	381500	31.27	ng	-0.01
23) Nitrobenzene-d5	7.43	82	215072	20.75	ng	-0.02
42) 2,4,6-Tribromophenol	10.71	330	87745	22.92	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	335817	17.92	ng	-0.01
79) Terphenyl-d14	12.99	244	218028	16.26	ng	0.00

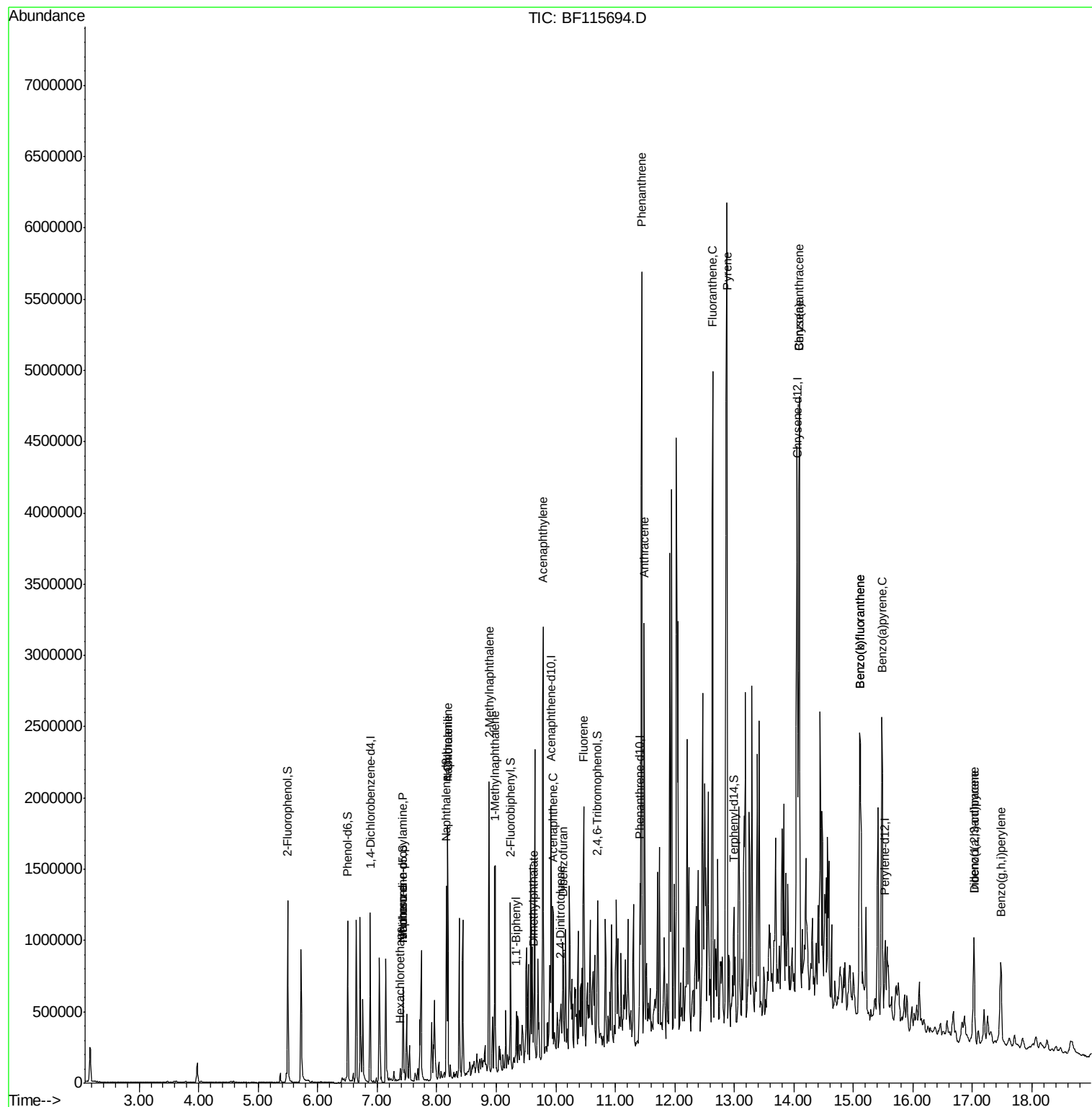
Target Compounds				Qvalue		
18) Hexachloroethane	7.39	117	13098	2.846	ng	# 2
19) n-Nitroso-di-n-propylamine	7.43	70	28155	3.539	ng	# 79
25) Isophorone	7.43	82	212066	10.224	ng	# 64
31) Naphthalene	8.19	128	676126	23.163	ng	# 97
33) 4-Chloroaniline	8.19	127	90909	7.031	ng	# 31
37) 2-Methylnaphthalene	8.88	142	461218	23.837	ng	100
38) 1-Methylnaphthalene	8.98	142	369372	20.098	ng	99
46) 1,1'-Biphenyl	9.34	154	107788	4.204	ng	95
49) Acenaphthylene	9.79	152	1209641	38.242	ng	98
50) Dimethylphthalate	9.63	163	59958	2.430	ng	# 87
52) Acenaphthene	9.95	154	170204	8.334	ng	93
55) Dibenzofuran	10.12	168	75705	2.610	ng	# 68
57) 2,4-Dinitrotoluene	10.08	165	19208	2.644	ng	# 66
58) Fluorene	10.47	166	502665	24.245	ng	99
71) Phenanthrene	11.45	178	2559758	104.470	ng	99
72) Anthracene	11.49	178	1101165	43.486	ng	100
75) Fluoranthene	12.64	202	2165863	83.648	ng	99
78) Pyrene	12.87	202	3310667	157.976	ng	98
81) Benzo(a)anthracene	14.09	228	1616680	99.208	ng	96
83) Chrysene	14.09	228	1616680	98.827	ng	98
86) Indeno(1,2,3-cd)pyrene	17.03	276	473848	34.094	ng	97
88) Benzo(b)fluoranthene	15.12	252	1621587	104.796	ng	98
89) Benzo(k)fluoranthene	15.12	252	1618352	117.309	ng	98
90) Benzo(a)pyrene	15.48	252	1022522	76.884	ng	98
91) Dibenzo(a,h)anthracene	17.03	278	154177	13.205	ng	96
92) Benzo(g,h,i)perylene	17.48	276	478618	41.103	ng	99

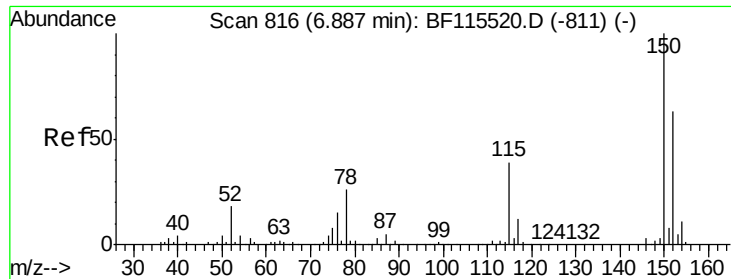
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BNA_F
ClientSampled :

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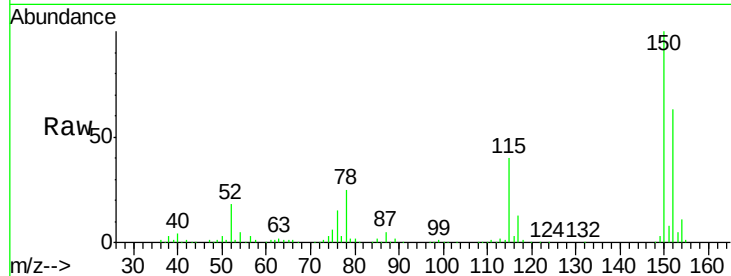


#1

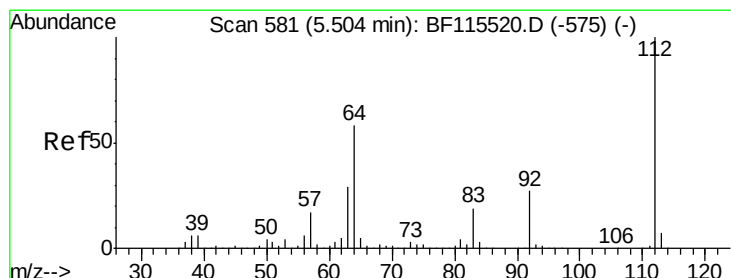
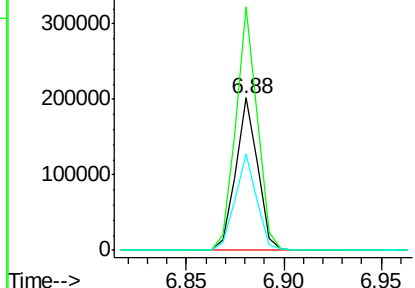
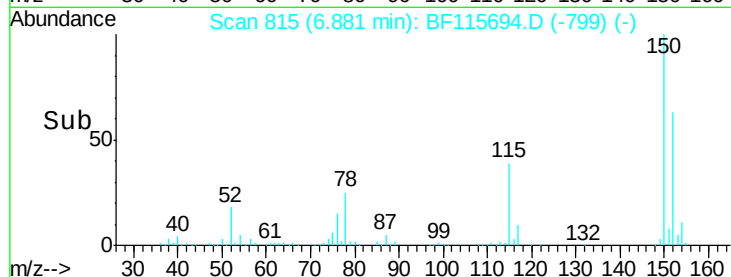
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.01 min
Lab File: BF115694.D
Acq: 20 Jul 2019 1:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 157267
Ion Ratio Lower Upper
152 100
150 159.4 129.7 194.5
115 63.4 48.2 72.4



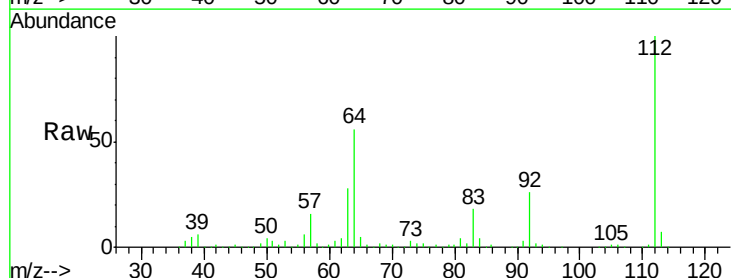
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



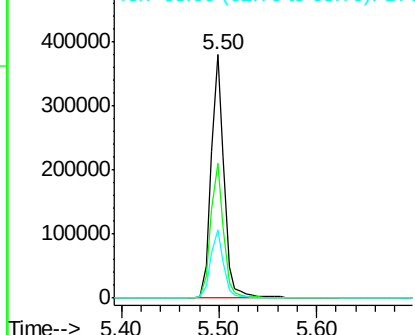
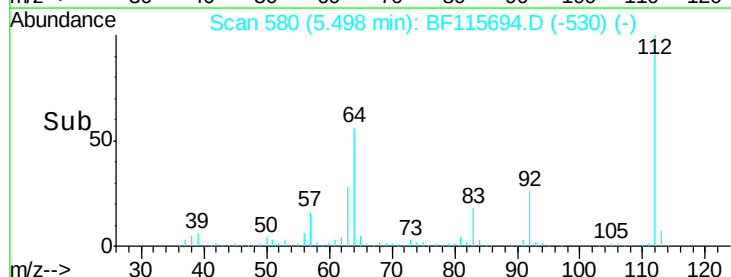
#5

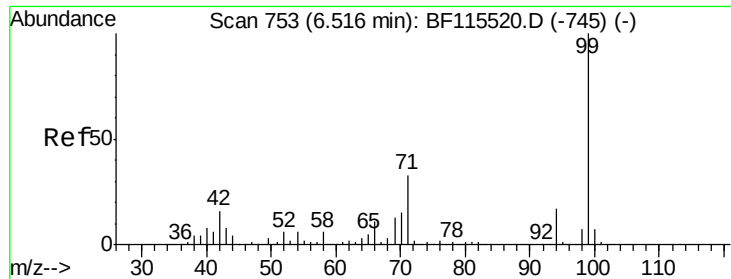
2-Fluorophenol
Concen: 36.165 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.01 min
Lab File: BF115694.D
Acq: 20 Jul 2019 1:31

Tgt Ion:112 Resp: 347708
Ion Ratio Lower Upper
112 100
64 55.5 46.8 70.2
63 28.0 24.1 36.1



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: 31.271 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

Instrument :

BNA_F

ClientSampled :

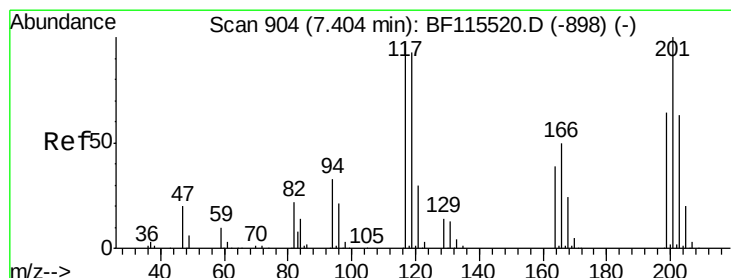
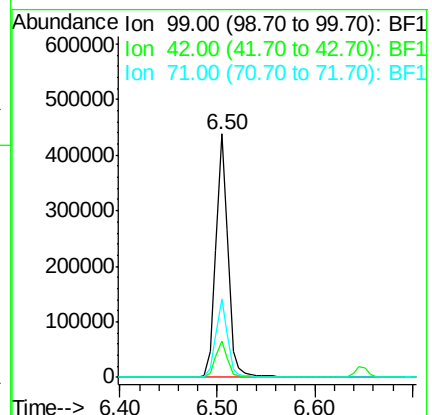
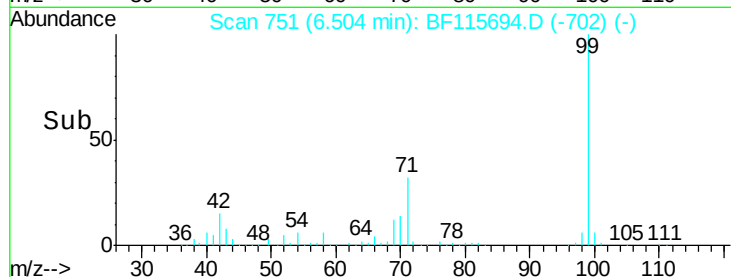
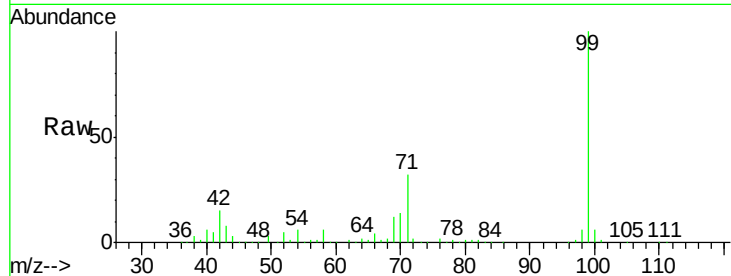
Tot Ion: 99 Resp: 381500

Ion Ratio Lower Upper

99 100

42 15.1 13.6 20.4

71 32.3 28.5 42.7



#18

Hexachloroethane

Concen: 2.846 ng

RT: 7.39 min Scan# 901

Delta R.T. -0.02 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

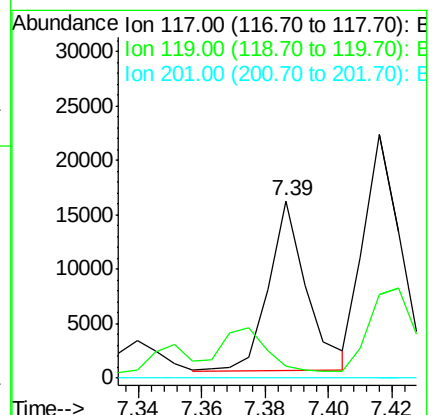
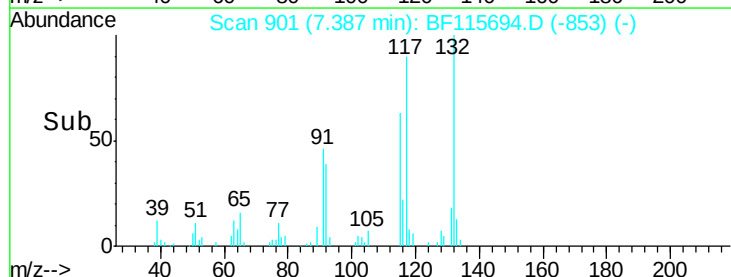
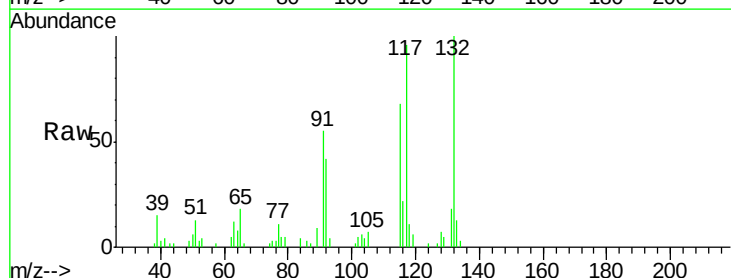
Tgt Ion: 117 Resp: 13098

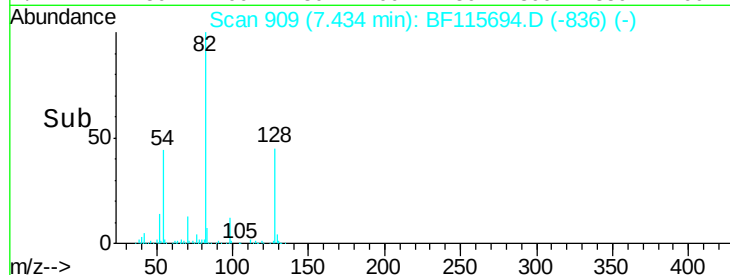
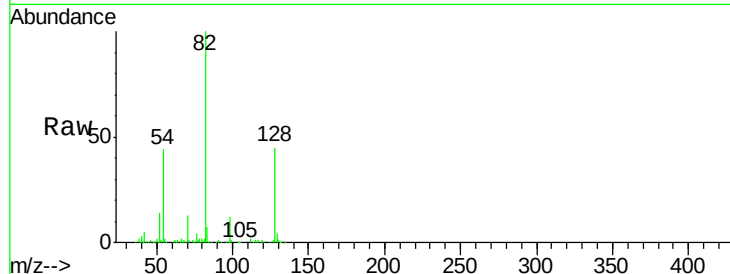
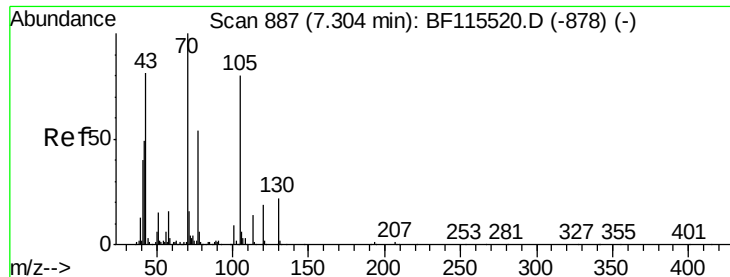
Ion Ratio Lower Upper

117 100

119 6.7 77.7 116.5#

201 0.0 86.0 129.0#

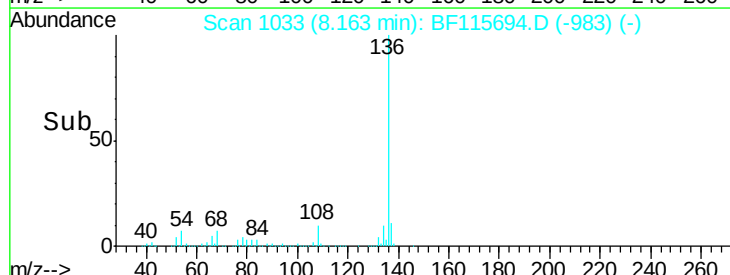
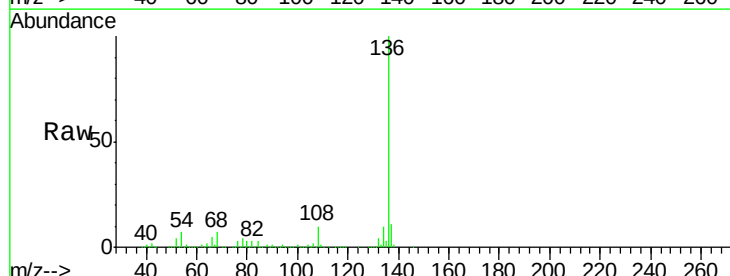
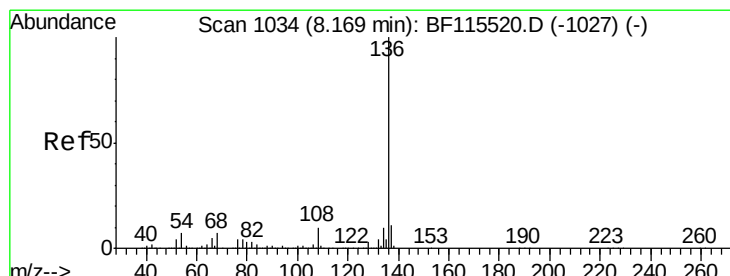
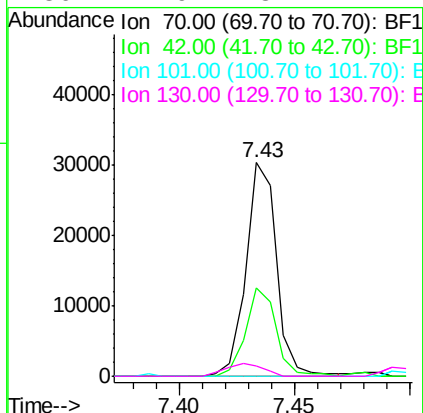




#19
n-Nitroso-di-n-propylamine
Concen: 3.539 ng
RT: 7.43 min Scan# 909
Delta R.T. 0.13 min
Lab File: BF115694.D
Acq: 20 Jul 2019 1:31

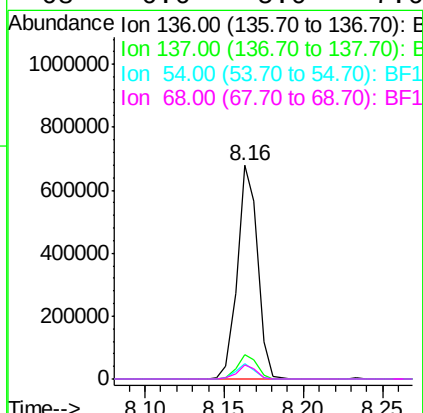
Instrument :
BNA_F
ClientSampleId :

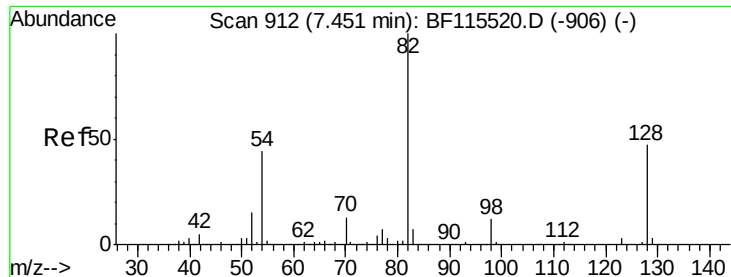
Tot Ion:	70	Resp:	28155
Ion Ratio	Lower	Upper	
70	100		
42	41.2	39.6	59.4
101	0.0	8.1	12.1#
130	4.9	18.2	27.2#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF115694.D
Acq: 20 Jul 2019 1:31

Tgt Ion:	136	Resp:	602713
Ion Ratio	Lower	Upper	
136	100		
137	11.2	9.0	13.4
54	7.0	5.6	8.4
68	6.6	5.0	7.6





#23

Nitrobenzene-d5

Concen: 20.749 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.02 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

Instrument :

BNA_F

ClientSampleId :

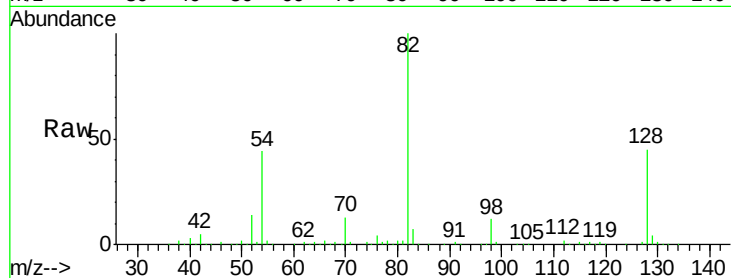
Tot Ion: 82 Resp: 215072

Ion Ratio Lower Upper

82 100

128 45.2 38.6 57.8

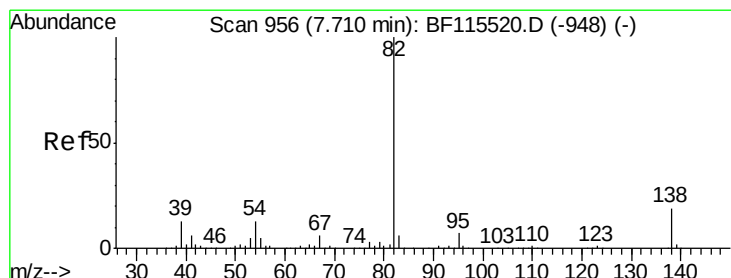
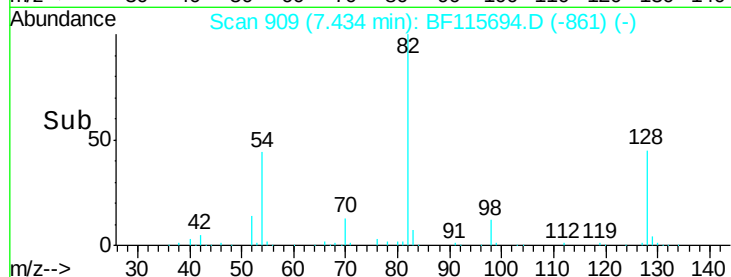
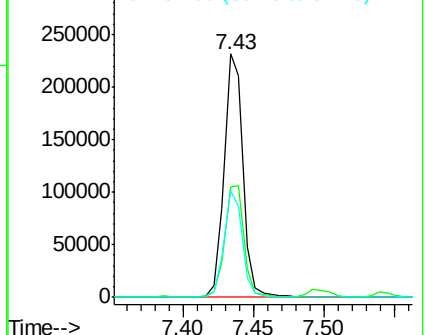
54 43.7 35.6 53.4



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: 10.224 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.28 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

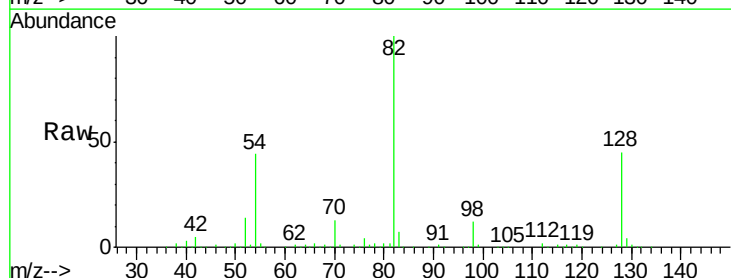
Tgt Ion: 82 Resp: 212066

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

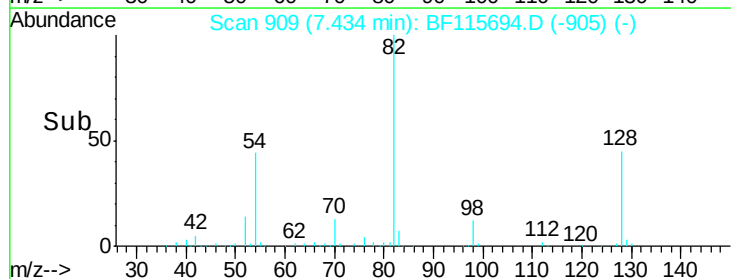
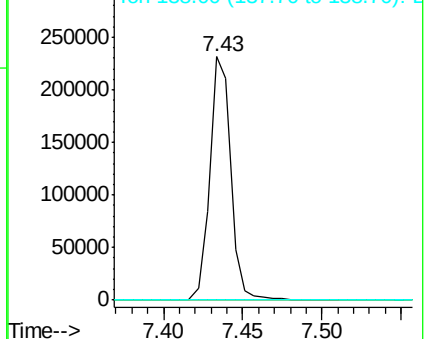
138 0.0 14.9 22.3#

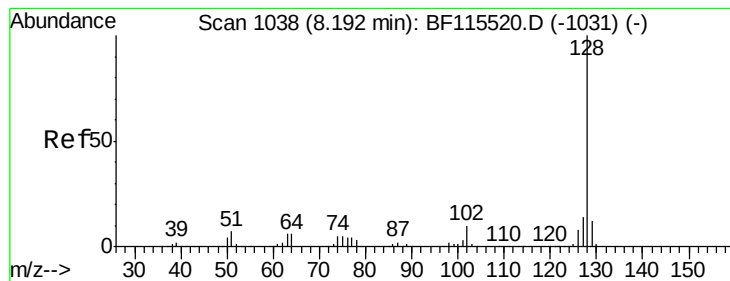


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 23.163 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.01 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

Instrument :

BNA_F

ClientSampleId :

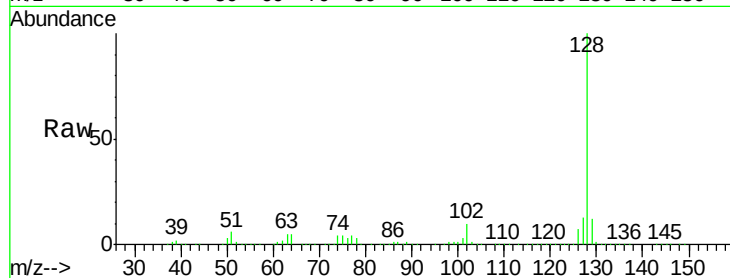
Tot Ion:128 Resp: 676126

Ion Ratio Lower Upper

128 100

129 11.7 9.9 14.9

127 13.3 12.1 18.1



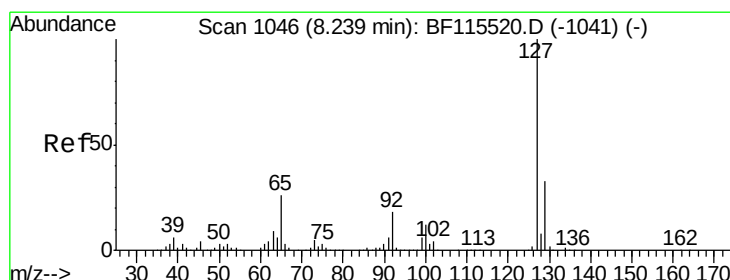
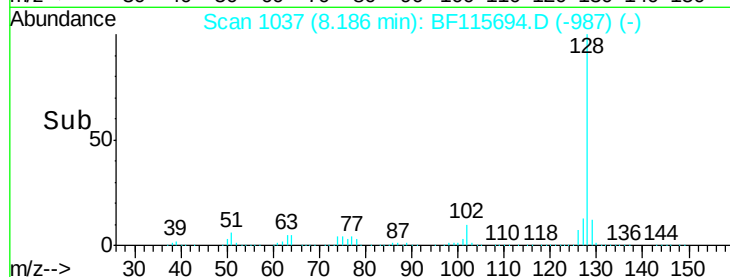
Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E

8.19

Time-->



#33

4-Chloroaniline

Concen: 7.031 ng

RT: 8.19 min Scan# 1037

Delta R.T. -0.05 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

Tgt Ion:127 Resp: 90909

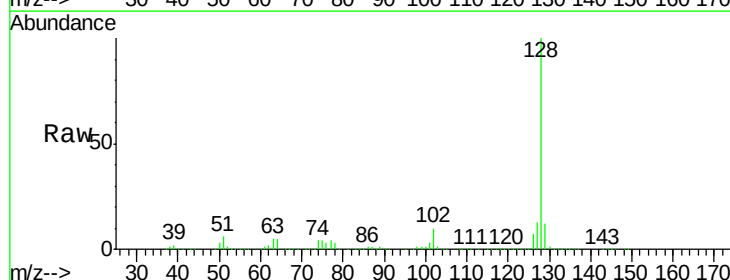
Ion Ratio Lower Upper

127 100

129 88.1 26.6 39.8#

65 0.0 23.7 35.5#

92 0.0 15.8 23.8#



Abundance Ion 127.00 (126.70 to 127.70): E

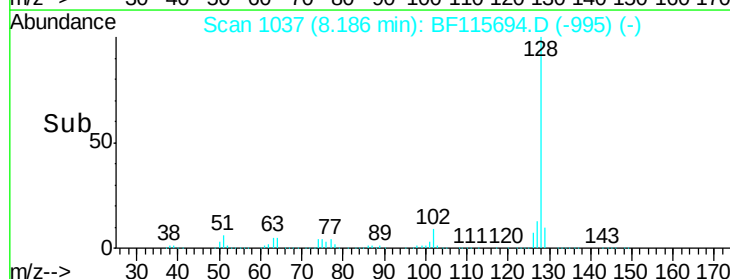
Ion 129.00 (128.70 to 129.70): E

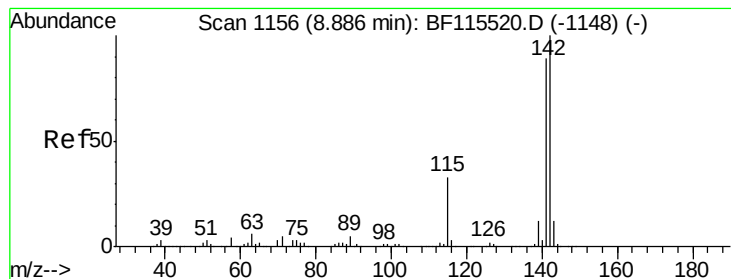
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

8.19

Time-->





#37

2-Methylnaphthalene

Concen: 23.837 ng

RT: 8.88 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

Instrument :

BNA_F

ClientSampleId :

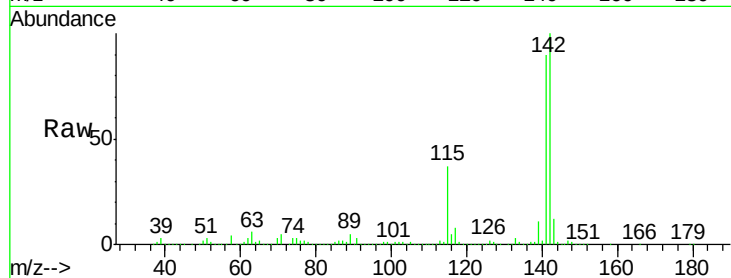
Tot Ion:142 Resp: 461218

Ion Ratio Lower Upper

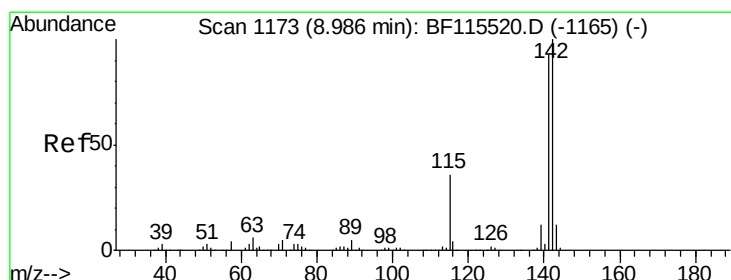
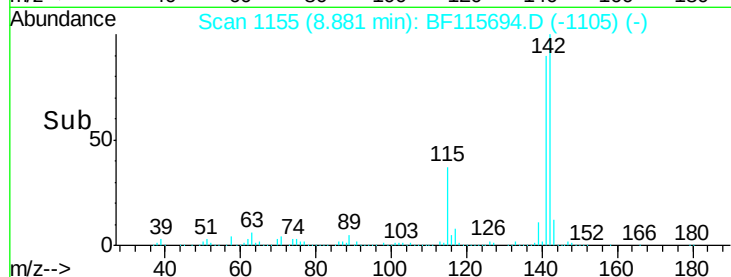
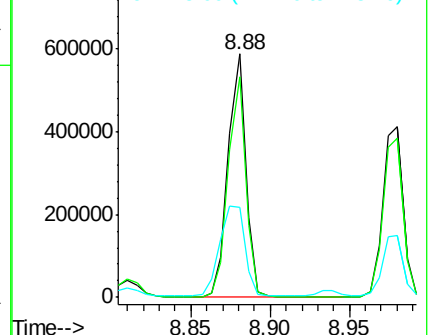
142 100

141 90.5 72.0 108.0

115 37.2 29.9 44.9



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: 20.098 ng

RT: 8.98 min Scan# 1172

Delta R.T. -0.01 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

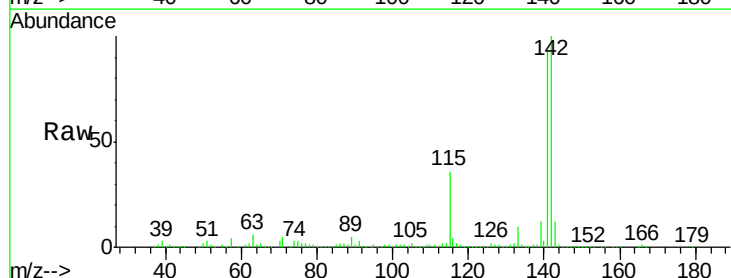
Tgt Ion:142 Resp: 369372

Ion Ratio Lower Upper

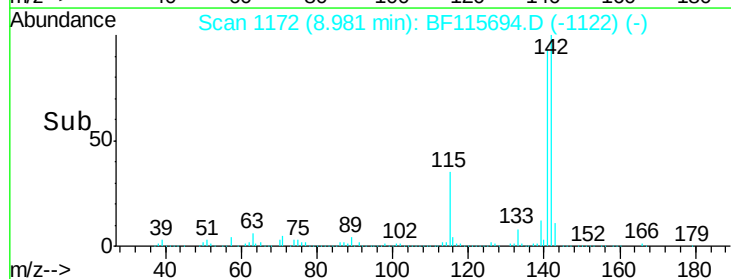
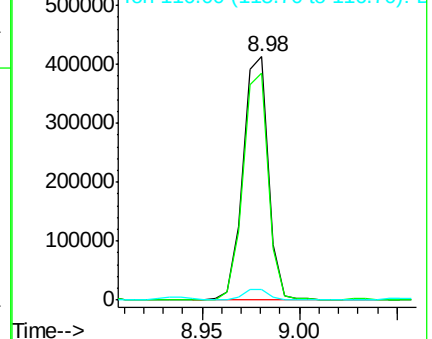
142 100

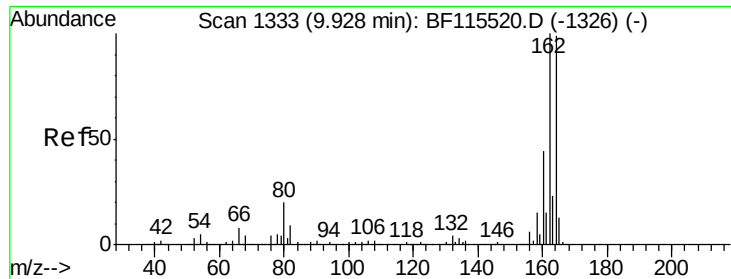
141 93.4 75.3 112.9

116 4.2 3.3 4.9



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

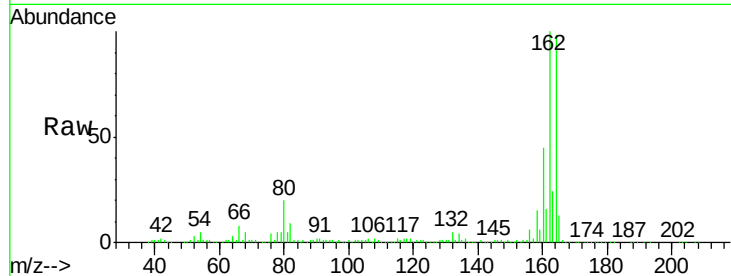




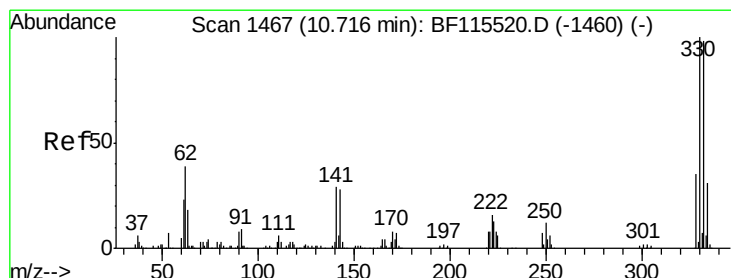
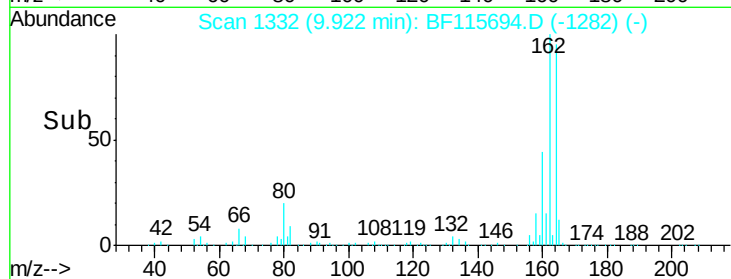
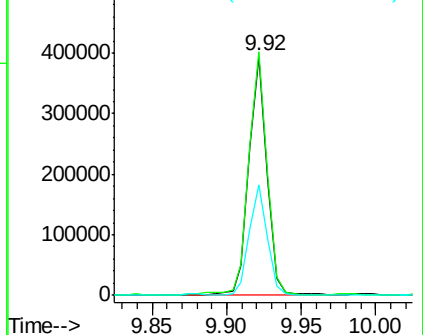
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.92 min Scan# 1332
 Delta R.T. -0.01 min
 Lab File: BF115694.D
 Acq: 20 Jul 2019 1:31

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 327936
 Ion Ratio Lower Upper
 164 100
 162 101.9 82.9 124.3
 160 46.2 36.8 55.2

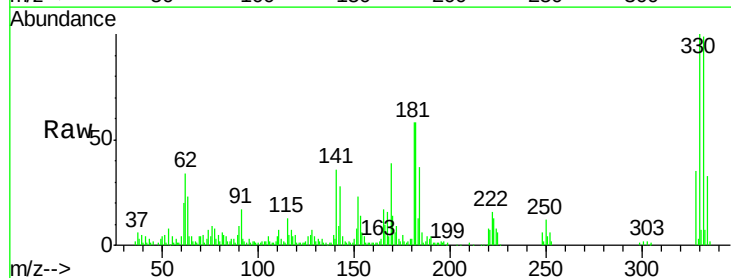


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

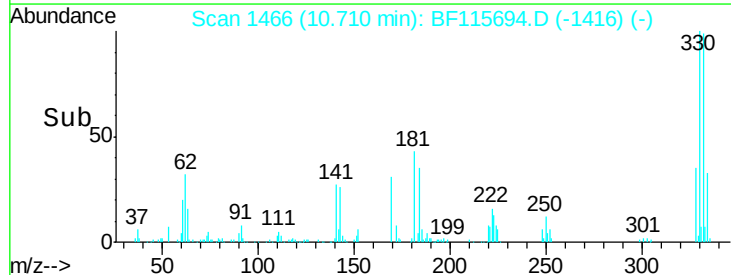
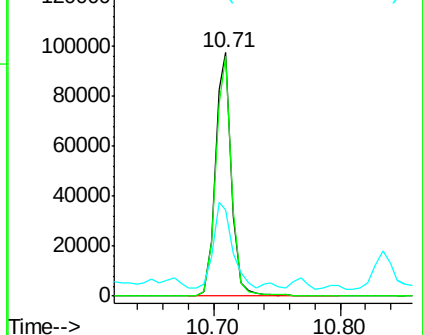


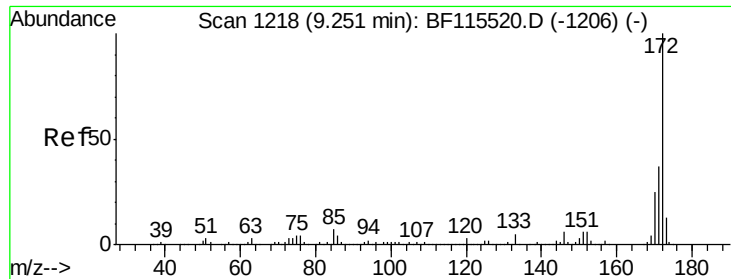
#42
 2,4,6-Tribromophenol
 Concen: 22.923 ng
 RT: 10.71 min Scan# 1466
 Delta R.T. -0.01 min
 Lab File: BF115694.D
 Acq: 20 Jul 2019 1:31

Tgt Ion:330 Resp: 87745
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.4 116.2
 141 43.2 22.4 33.6#



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

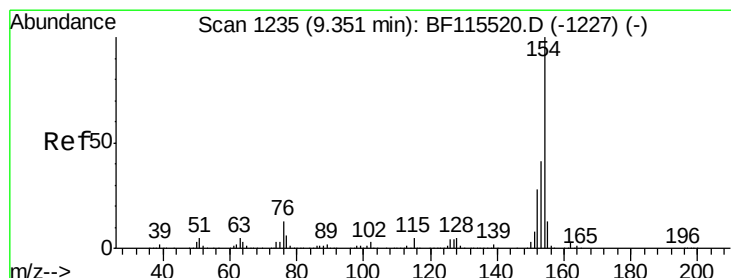
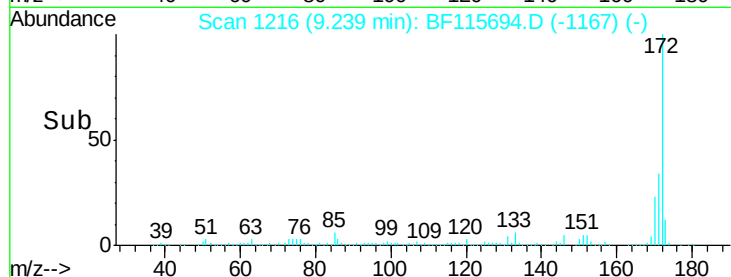
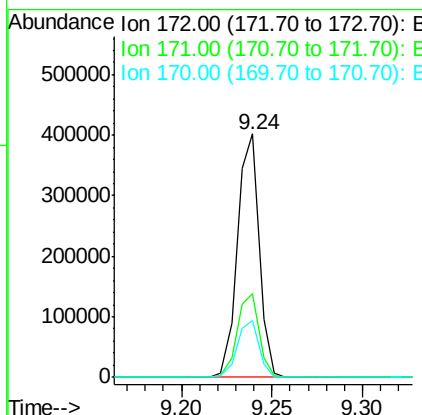
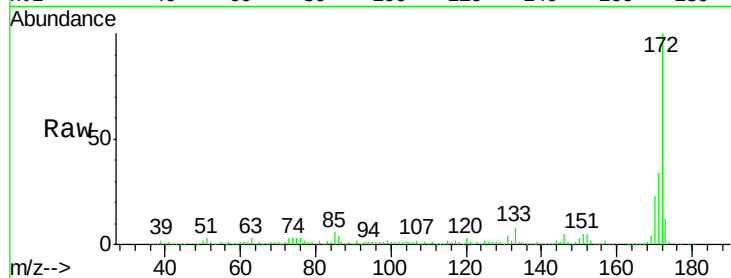




#45
2-Fluorobiphenyl
Concen: 17.923 ng
RT: 9.24 min Scan# 1216
Delta R.T. -0.01 min
Lab File: BF115694.D
Acq: 20 Jul 2019 1:31

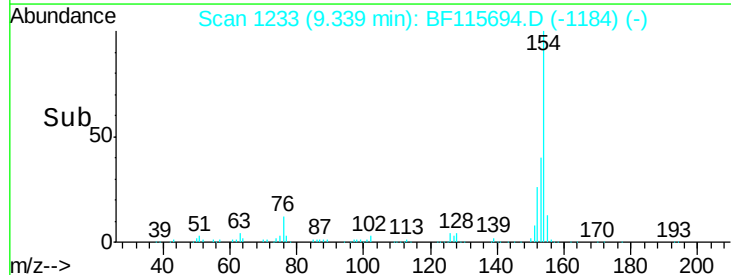
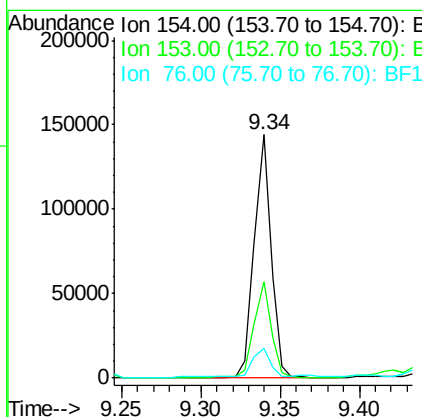
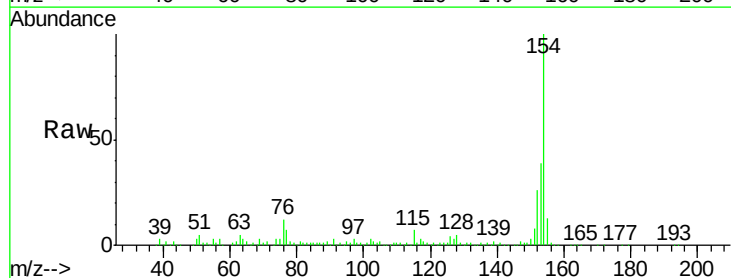
Instrument :
BNA_F
ClientSampleId :

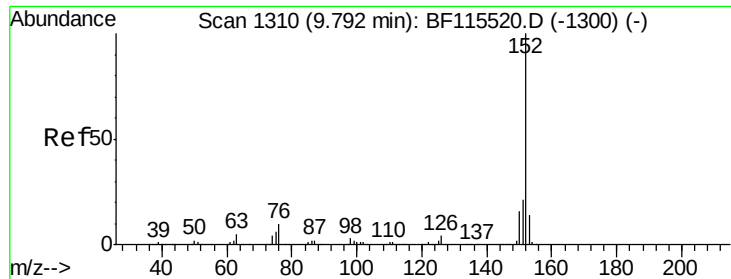
Tot Ion:172 Resp: 335817
Ion Ratio Lower Upper
172 100
171 34.5 30.6 46.0
170 23.3 20.5 30.7



#46
1,1'-Biphenyl
Concen: 4.204 ng
RT: 9.34 min Scan# 1233
Delta R.T. -0.01 min
Lab File: BF115694.D
Acq: 20 Jul 2019 1:31

Tgt Ion:154 Resp: 107788
Ion Ratio Lower Upper
154 100
153 39.4 22.6 62.6
76 12.1 0.0 33.4





#49

Acenaphthylene

Concen: 38.242 ng

RT: 9.79 min Scan# 1309

Delta R.T. -0.01 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

Instrument :

BNA_F

ClientSampleId :

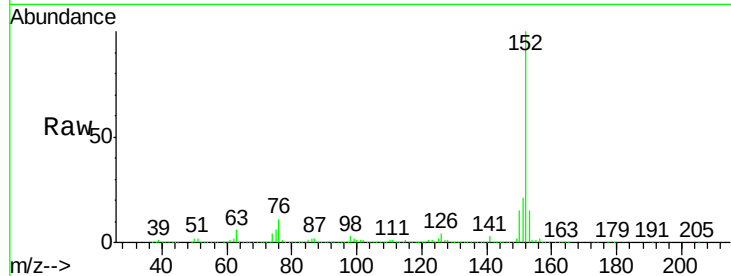
Tot Ion:152 Resp: 1209641

Ion Ratio Lower Upper

152 100

151 21.1 17.7 26.5

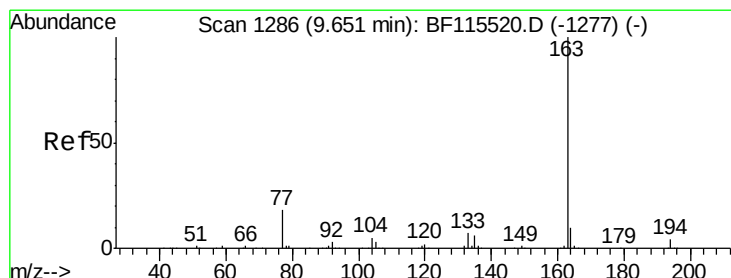
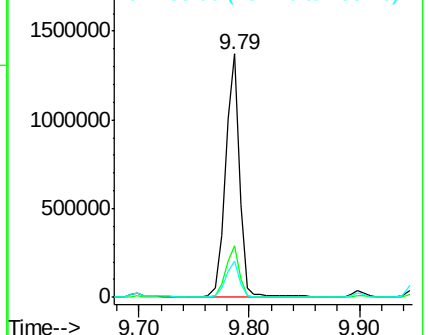
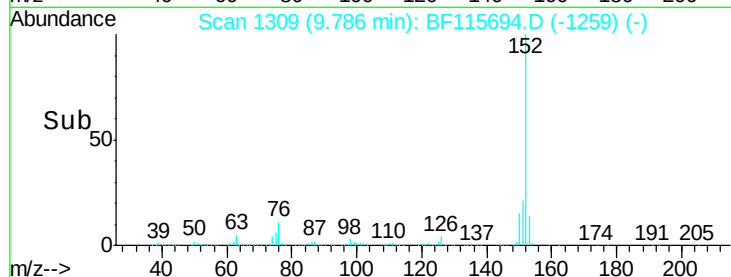
153 14.7 12.0 18.0



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: 2.430 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.02 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

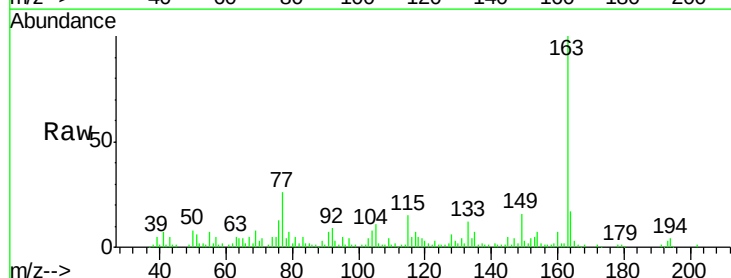
Tgt Ion:163 Resp: 59958

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

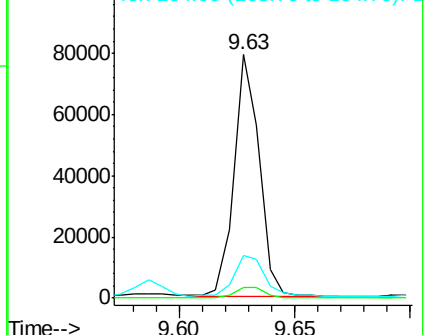
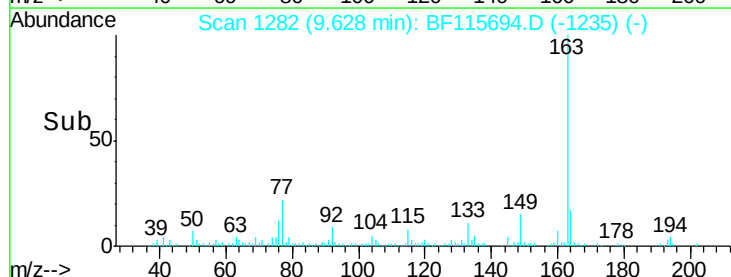
164 17.5 8.7 13.1#

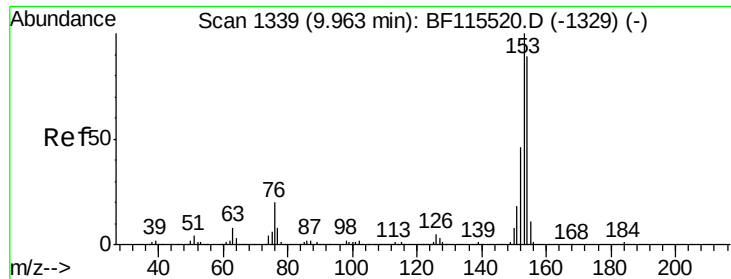


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 8.334 ng

RT: 9.95 min Scan# 1337

Delta R.T. -0.01 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

Instrument :

BNA_F

ClientSampleId :

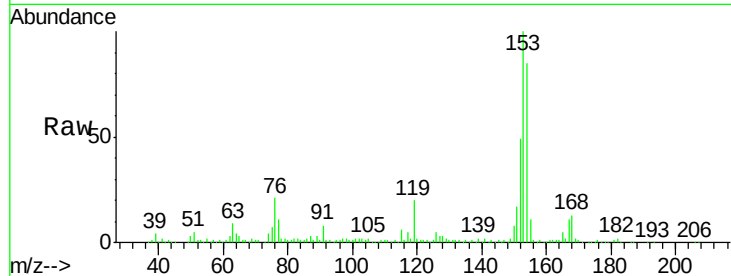
Tot Ion:154 Resp: 170204

Ion Ratio Lower Upper

154 100

153 117.8 88.6 133.0

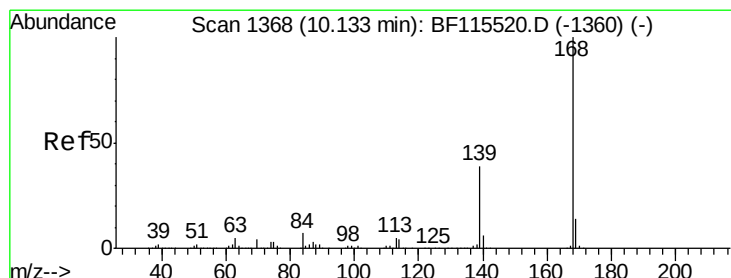
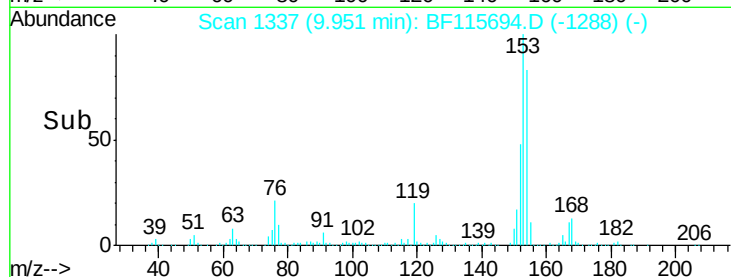
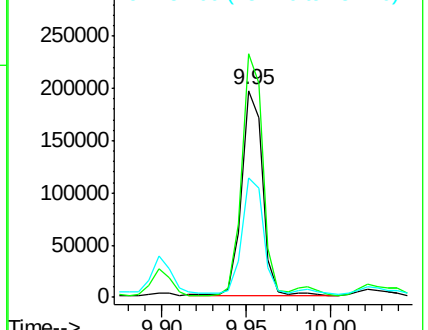
152 57.6 42.3 63.5



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: 2.610 ng

RT: 10.12 min Scan# 1366

Delta R.T. -0.01 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

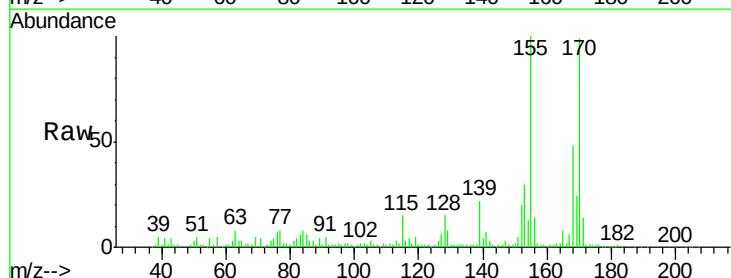
Tgt Ion:168 Resp: 75705

Ion Ratio Lower Upper

168 100

139 45.8 31.1 46.7

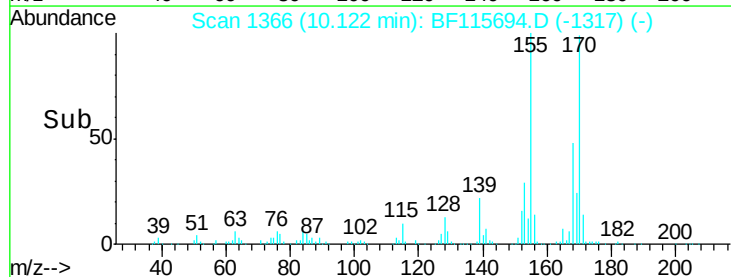
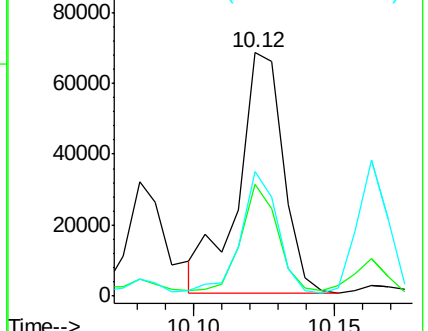
169 51.0 11.1 16.7#

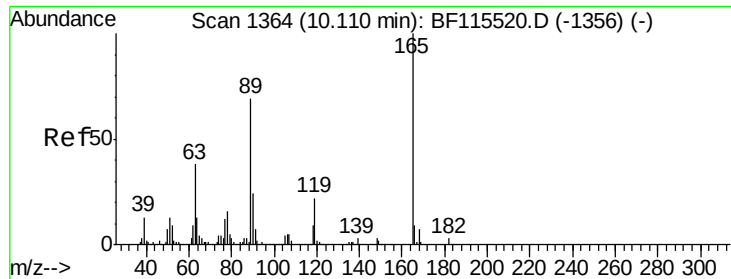


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

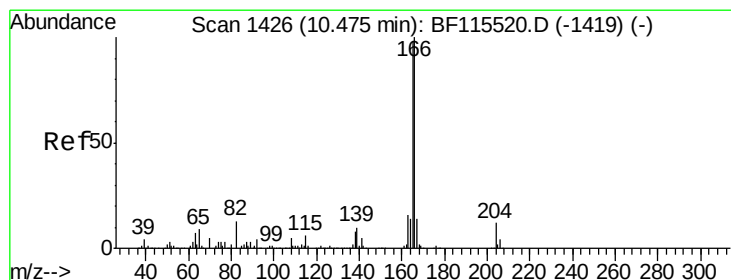
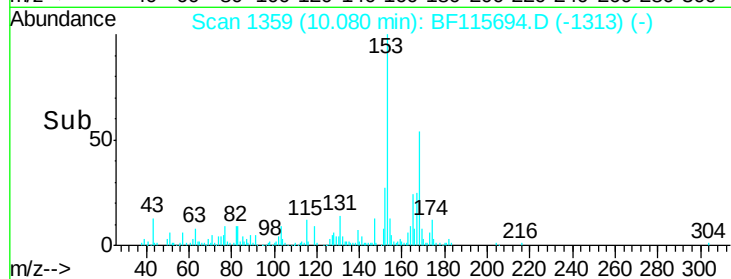
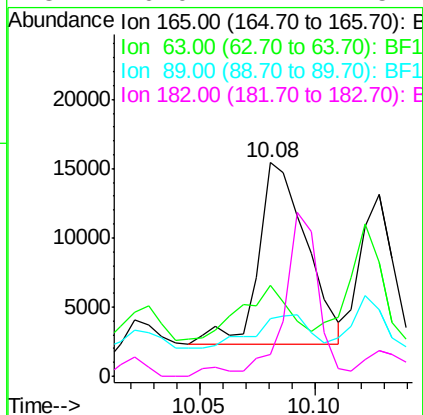
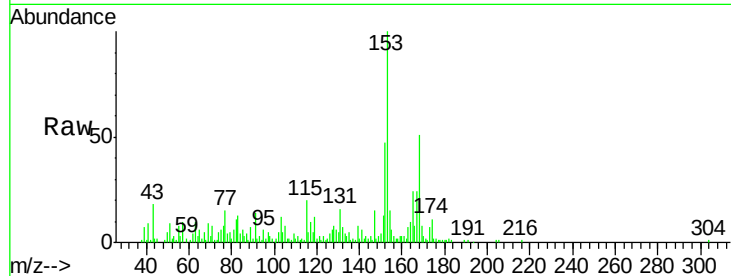




#57
2,4-Dinitrotoluene
Concen: 2.644 ng
RT: 10.08 min Scan# 1359
Delta R.T. -0.03 min
Lab File: BF115694.D
Acq: 20 Jul 2019 1:31

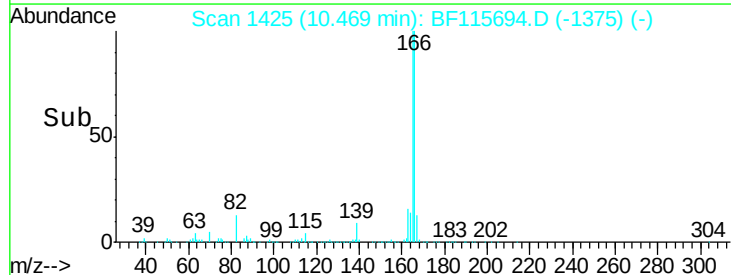
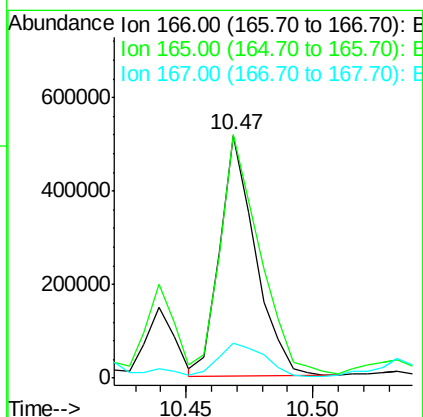
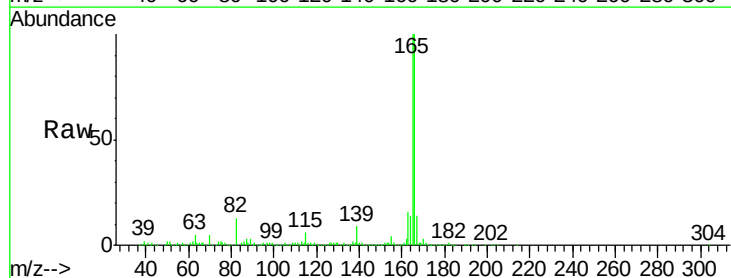
Instrument :
BNA_F
ClientSampleId :

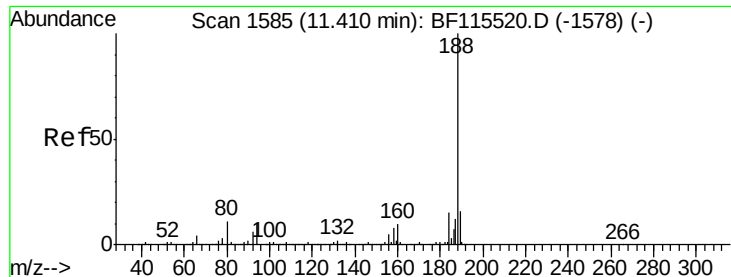
Tot Ion:165 Resp: 19208
Ion Ratio Lower Upper
165 100
63 42.6 34.9 52.3
89 26.7 57.5 86.3#
182 10.0 2.2 3.4#



#58
Fluorene
Concen: 24.245 ng
RT: 10.47 min Scan# 1425
Delta R.T. -0.01 min
Lab File: BF115694.D
Acq: 20 Jul 2019 1:31

Tgt Ion:166 Resp: 502665
Ion Ratio Lower Upper
166 100
165 100.5 79.8 119.6
167 14.3 11.2 16.8





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.41 min Scan# 1585

Delta R.T. 0.00 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

Instrument :

BNA_F

ClientSampleId :

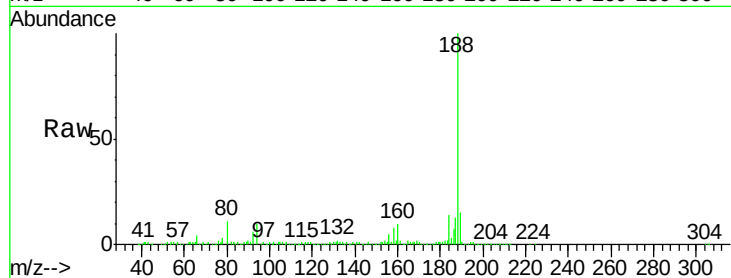
Tot Ion:188 Resp: 478010

Ion Ratio Lower Upper

188 100

94 9.8 7.8 11.6

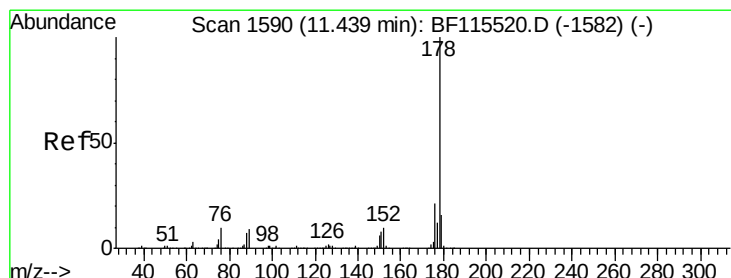
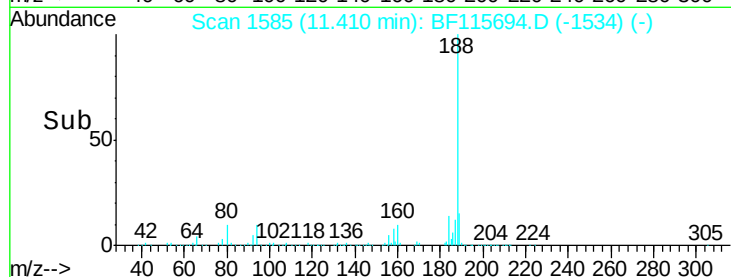
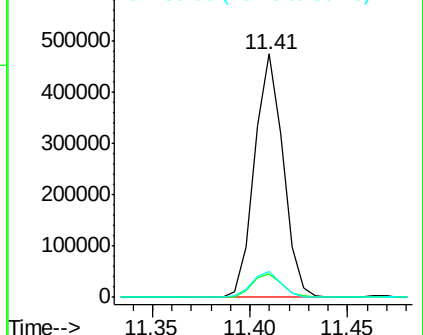
80 10.7 8.6 13.0



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



#71

Phenanthrene

Concen: 104.470 ng

RT: 11.45 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

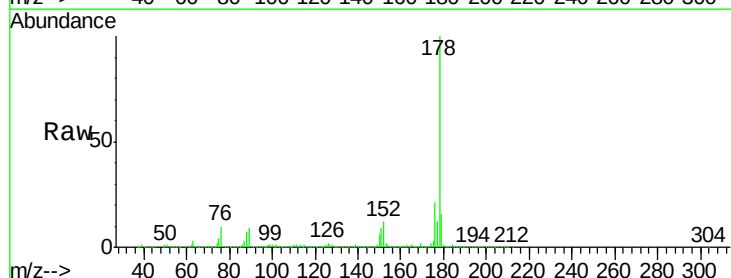
Tgt Ion:178 Resp: 2559758

Ion Ratio Lower Upper

178 100

176 21.4 17.2 25.8

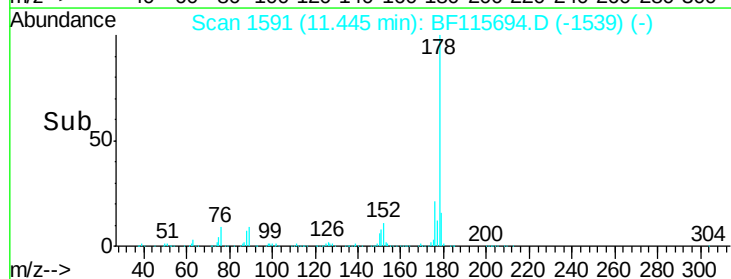
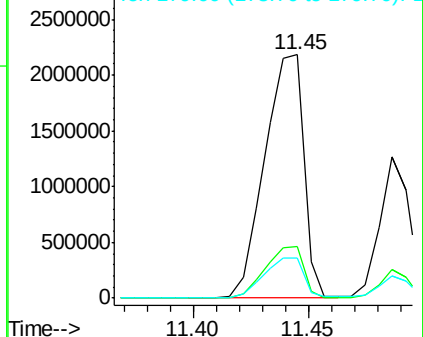
179 16.4 13.5 20.3

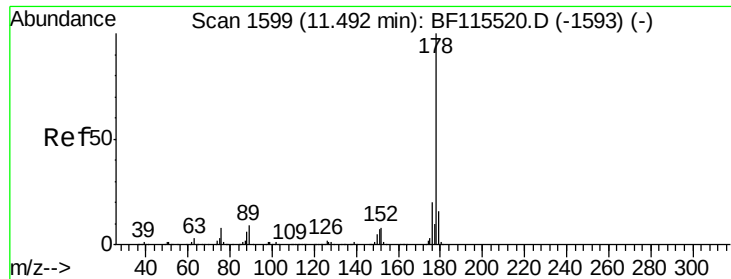


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 43.486 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.01 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

Instrument :

BNA_F

ClientSampleId :

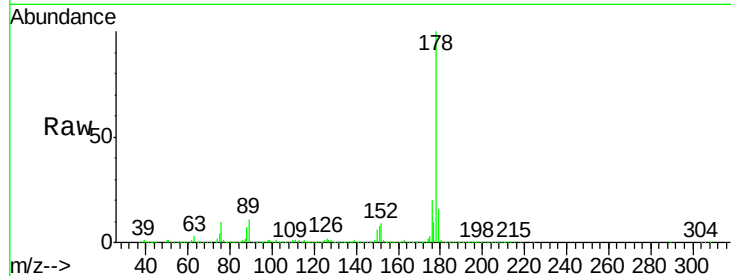
Tot Ion:178 Resp: 1101165

Ion Ratio Lower Upper

178 100

176 19.9 15.9 23.9

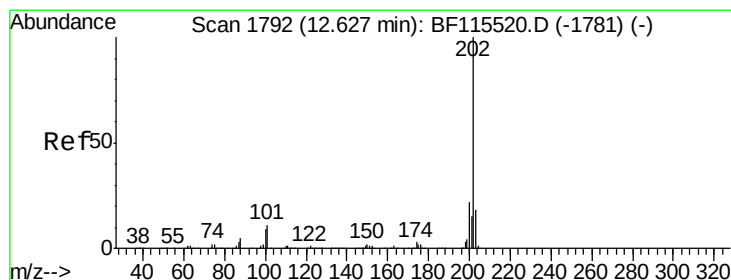
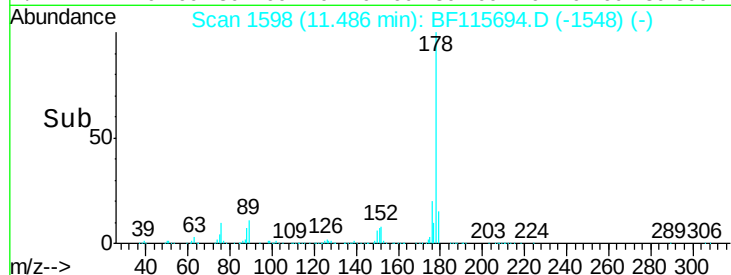
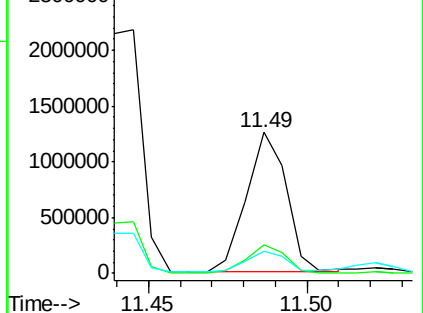
179 16.2 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 83.648 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.01 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

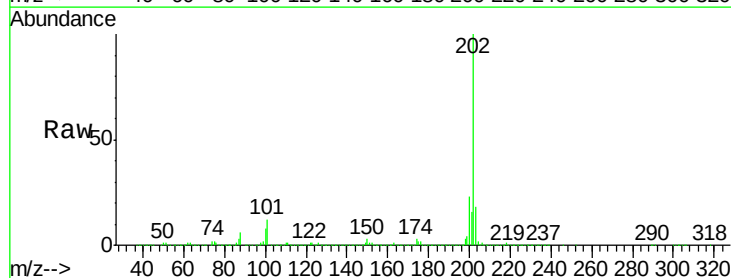
Tgt Ion:202 Resp: 2165863

Ion Ratio Lower Upper

202 100

101 11.6 0.0 31.4

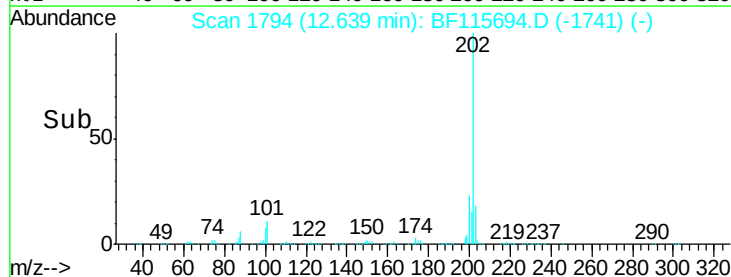
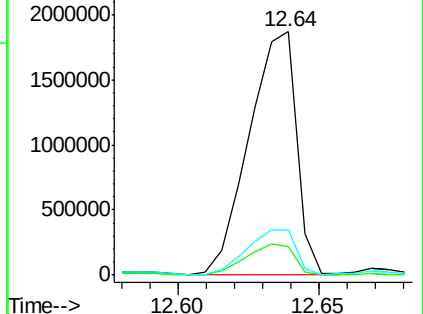
203 18.4 0.0 38.1

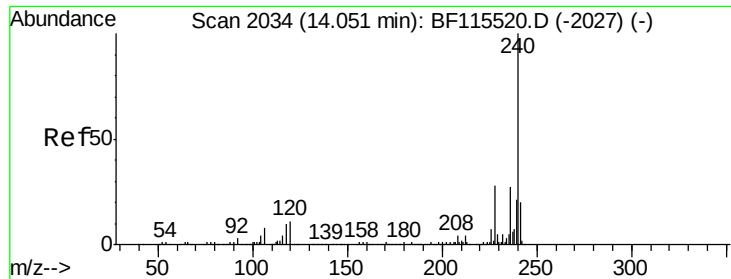


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

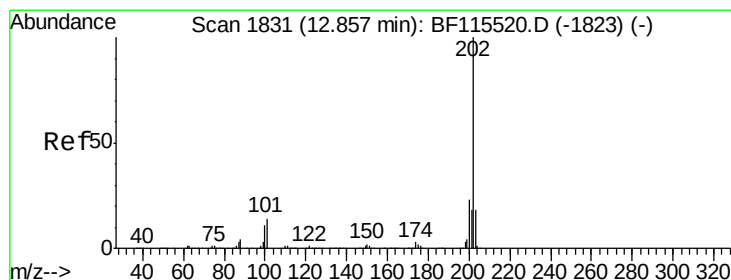
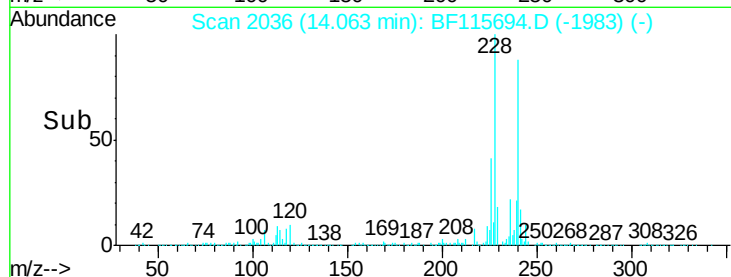
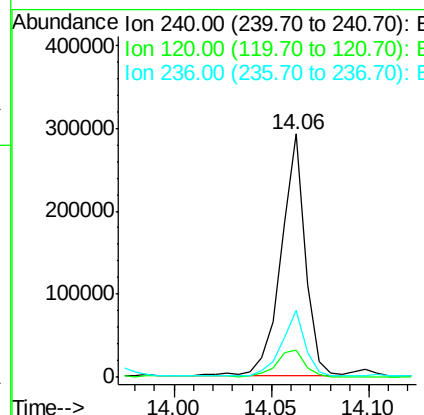
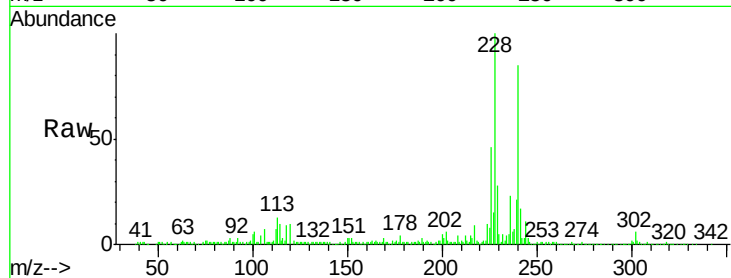




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.06 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: BF115694.D
 Acq: 20 Jul 2019 1:31

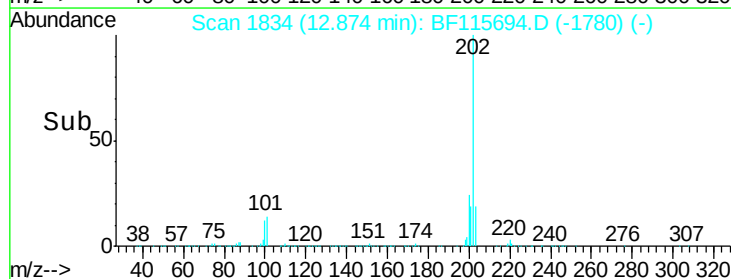
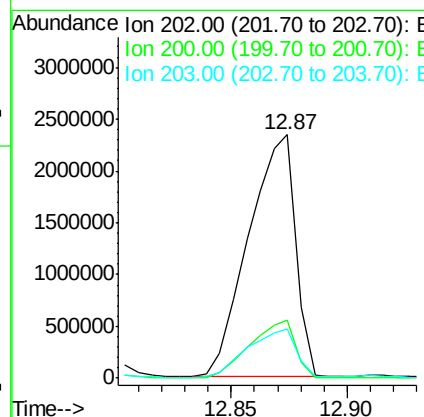
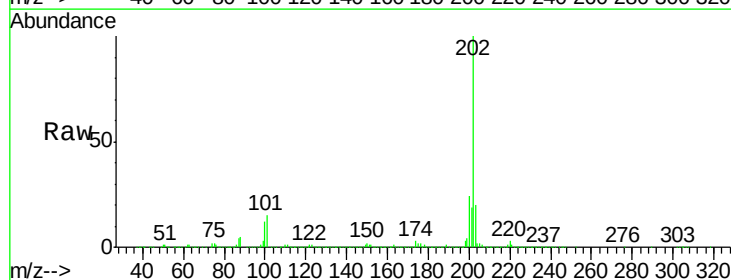
Instrument :
 BNA_F
 ClientSampleId :

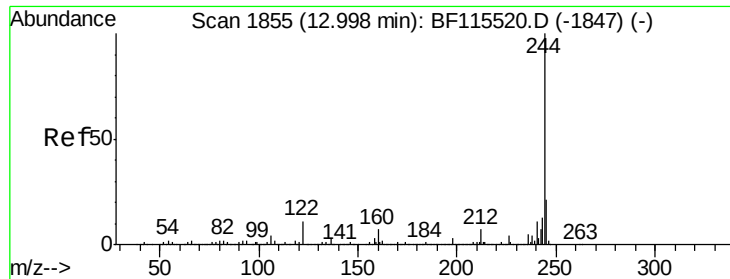
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.3	8.6	13.0
236	27.3	21.3	31.9



#78
 Pyrene
 Concen: 157.976 ng
 RT: 12.87 min Scan# 1834
 Delta R.T. 0.02 min
 Lab File: BF115694.D
 Acq: 20 Jul 2019 1:31

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.8	18.7	28.1
203	20.2	15.2	22.8

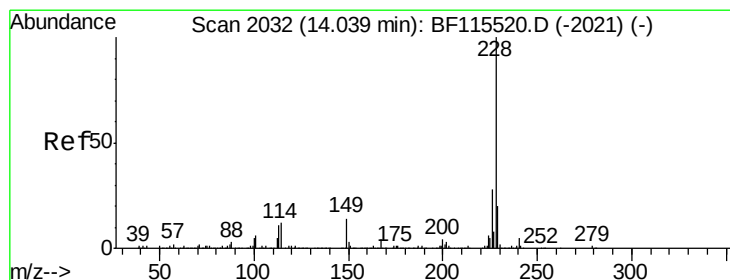
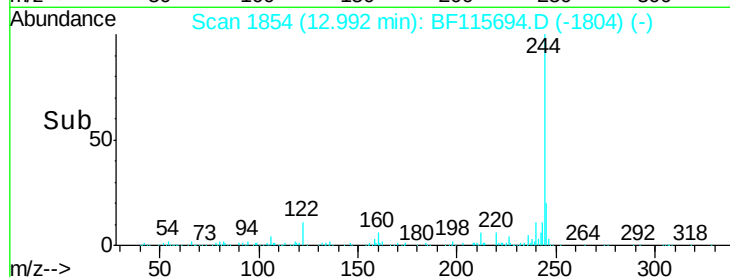
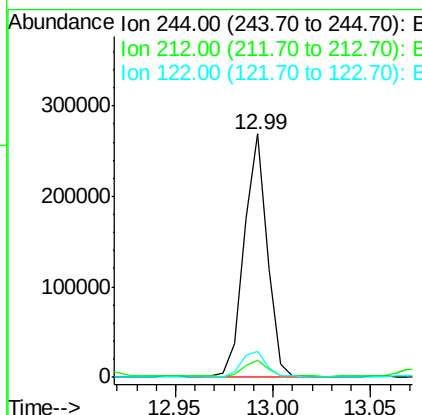
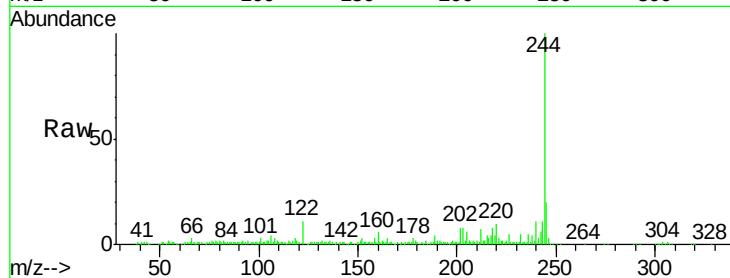




#79
 Terphenyl-d14
 Concen: 16.264 ng
 RT: 12.99 min Scan# 1854
 Delta R.T. -0.01 min
 Lab File: BF115694.D
 Acq: 20 Jul 2019 1:31

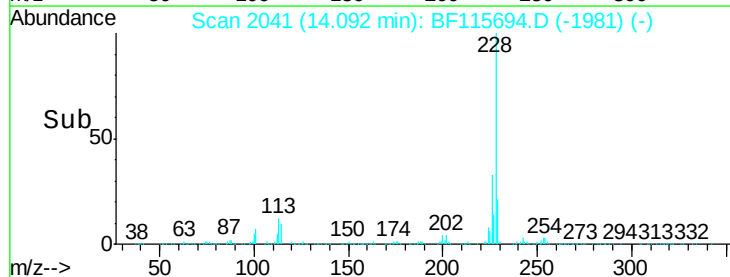
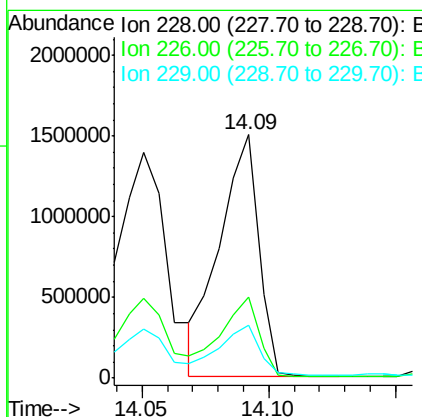
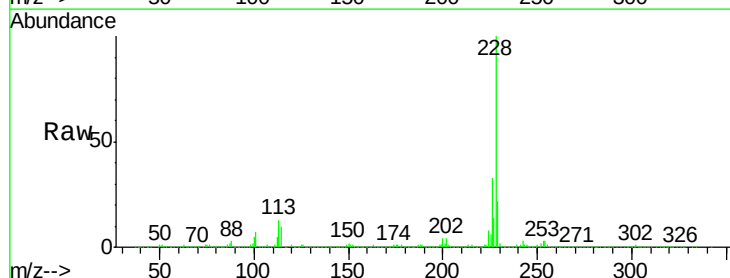
Instrument :
 BNA_F
 ClientSampleId :

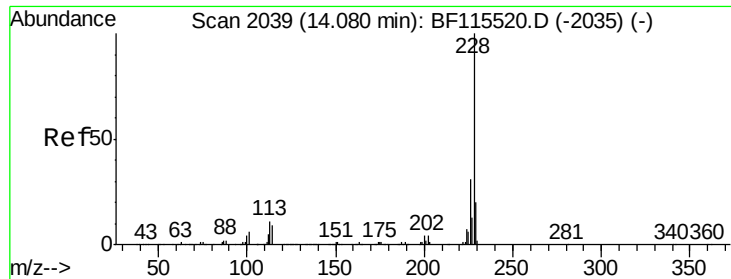
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	6.0	9.0
122	10.9	8.6	12.8



#81
 Benzo(a)anthracene
 Concen: 99.208 ng
 RT: 14.09 min Scan# 2041
 Delta R.T. 0.05 min
 Lab File: BF115694.D
 Acq: 20 Jul 2019 1:31

Tgt Ion	Ratio	Lower	Upper
228	100		
226	33.1	23.4	35.0
229	21.7	17.2	25.8

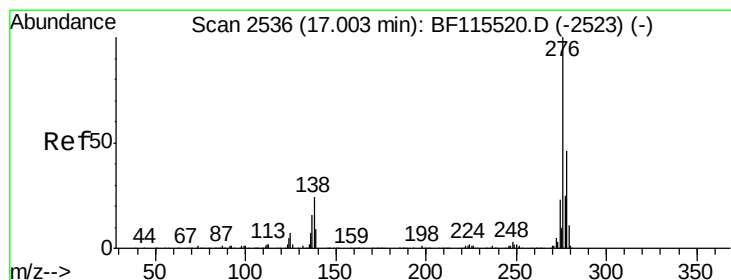
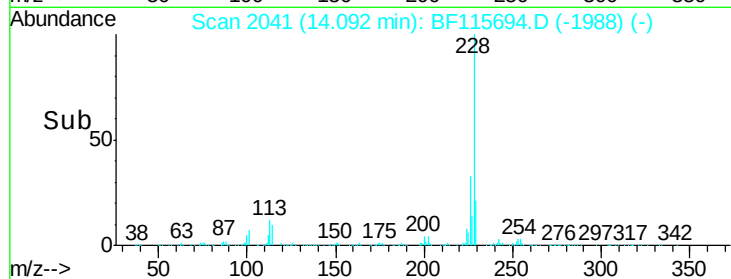
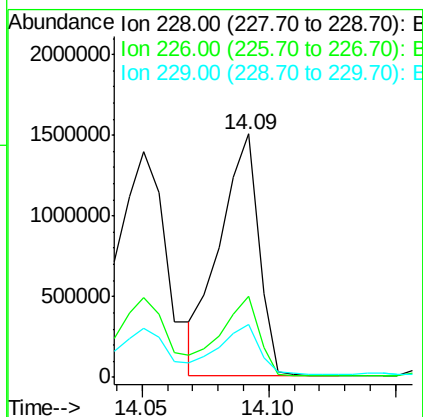
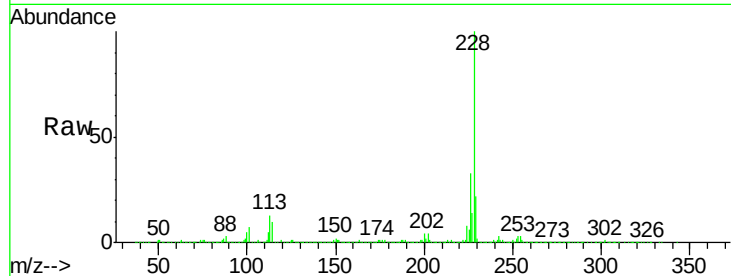




#83
Chrysene
Concen: 98.827 ng
RT: 14.09 min Scan# 2041
Delta R.T. 0.01 min
Lab File: BF115694.D
Acq: 20 Jul 2019 1:31

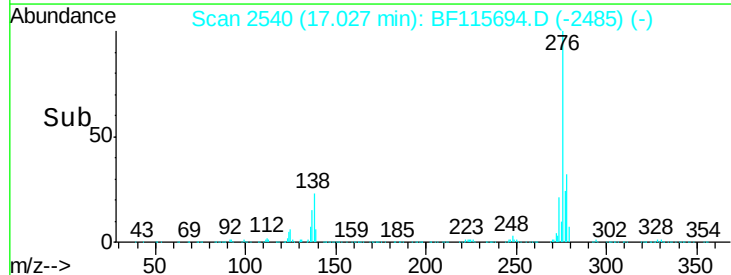
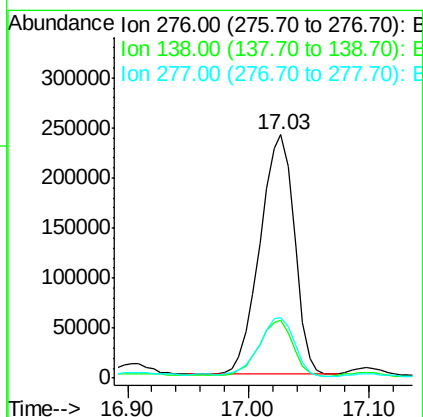
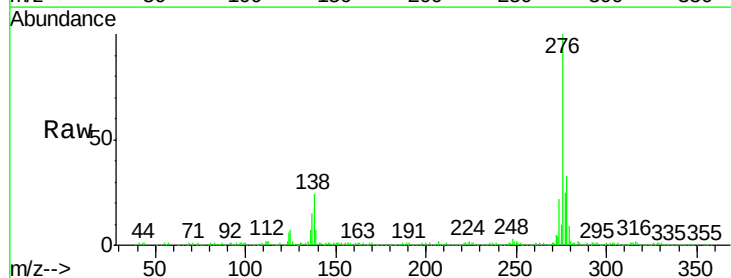
Instrument :
BNA_F
ClientSampleId :

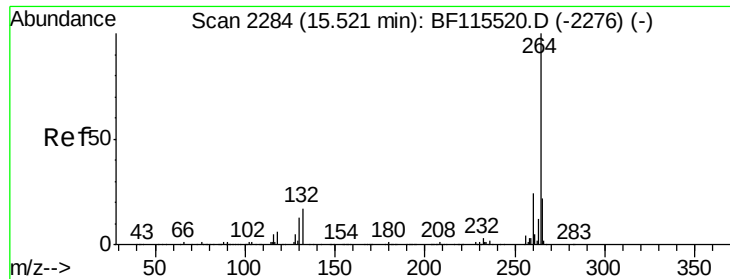
Tot Ion:228 Resp: 1616680
Ion Ratio Lower Upper
228 100
226 33.1 25.7 38.5
229 21.7 16.6 25.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 34.094 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.02 min
Lab File: BF115694.D
Acq: 20 Jul 2019 1:31

Tgt Ion:276 Resp: 473848
Ion Ratio Lower Upper
276 100
138 23.2 20.2 30.2
277 24.8 20.4 30.6





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.01 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

Instrument :

BNA_F

ClientSampleId :

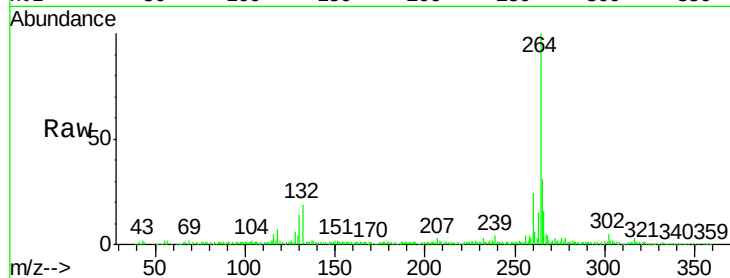
Tot Ion:264 Resp: 240305

Ion Ratio Lower Upper

264 100

260 24.4 19.8 29.8

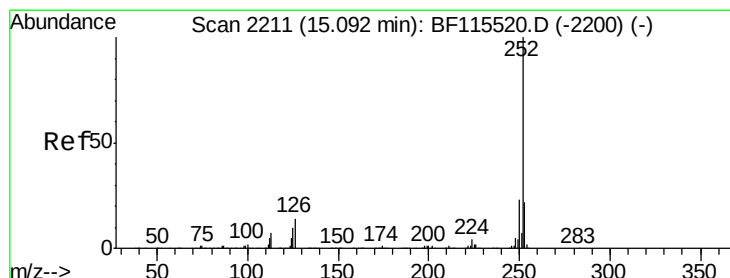
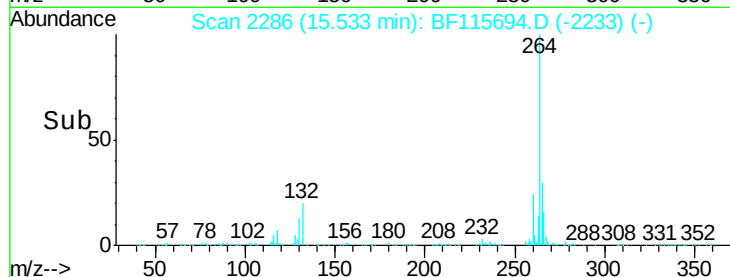
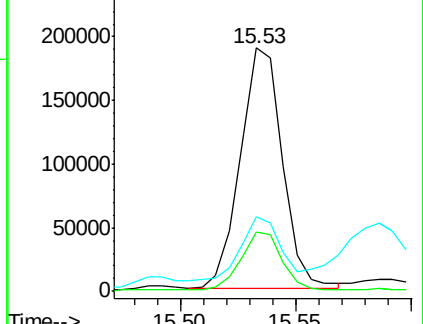
265 30.8 17.7 26.5#



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: 104.796 ng

RT: 15.12 min Scan# 2215

Delta R.T. 0.02 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

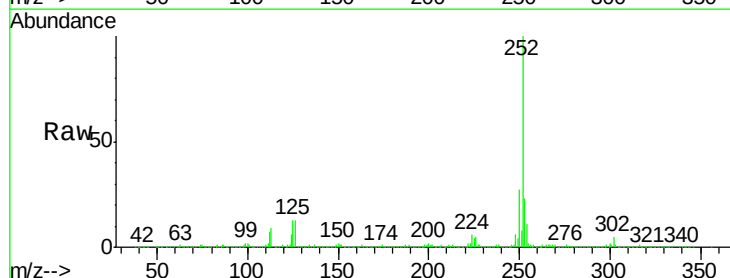
Tgt Ion:252 Resp: 1621587

Ion Ratio Lower Upper

252 100

253 23.0 18.1 27.1

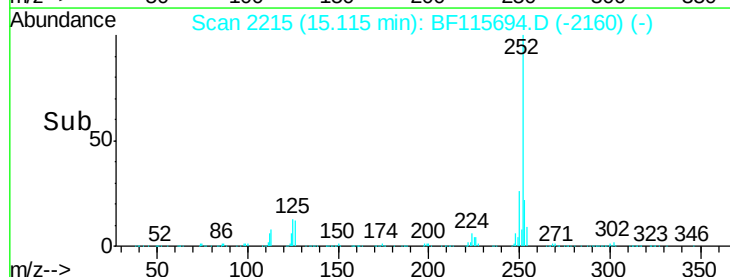
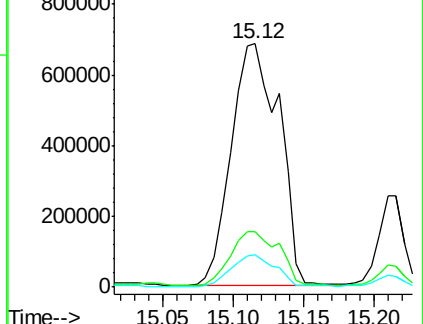
125 13.2 9.0 13.4

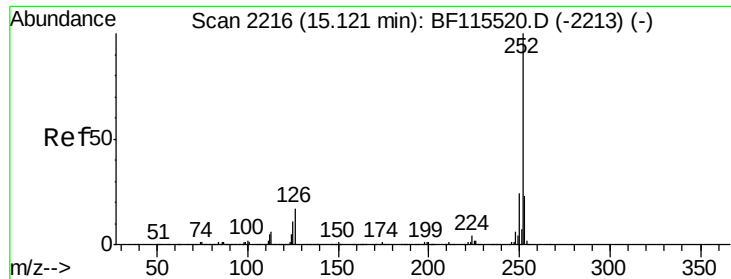


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

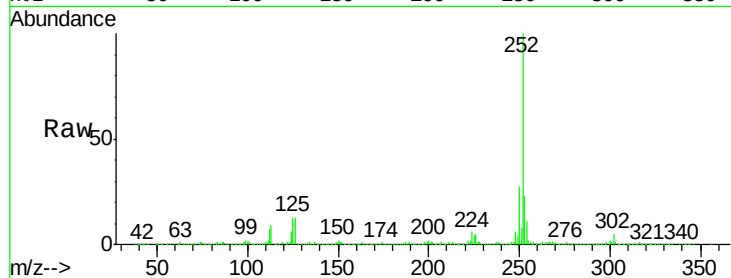




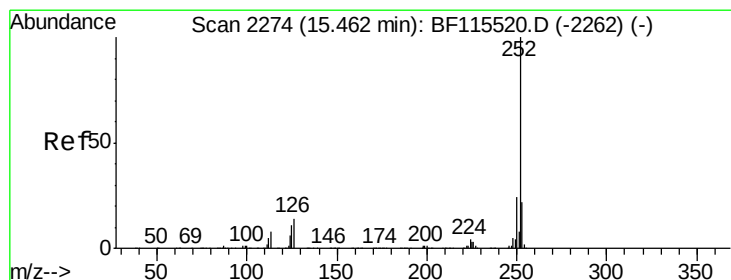
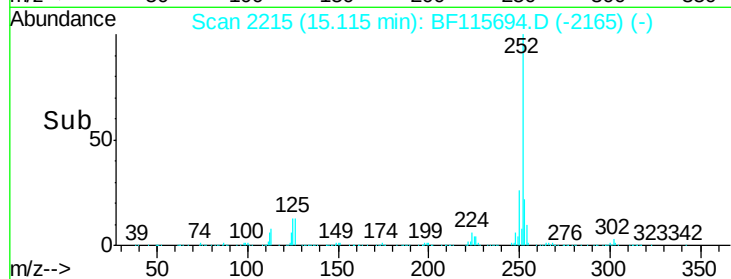
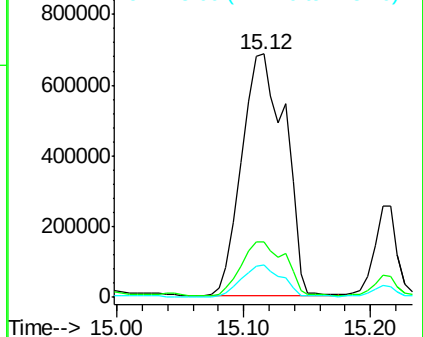
#89
Benzo(k)fluoranthene
Concen: 117.309 ng
RT: 15.12 min Scan# 2215
Delta R.T. -0.01 min
Lab File: BF115694.D
Acq: 20 Jul 2019 1:31

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 1618352
Ion Ratio Lower Upper
252 100
253 23.0 18.6 28.0
125 13.2 9.0 13.6

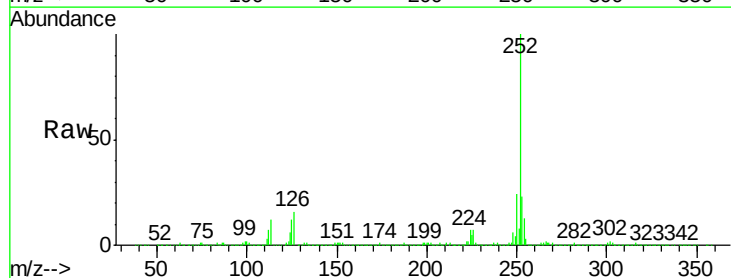


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

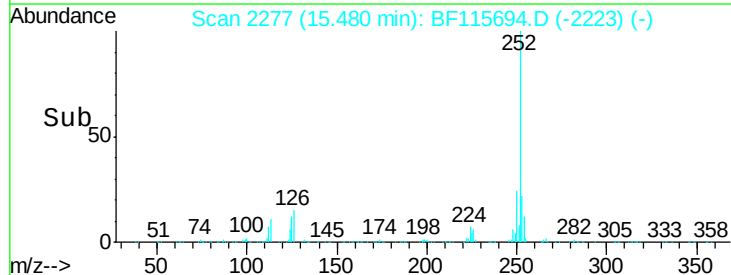
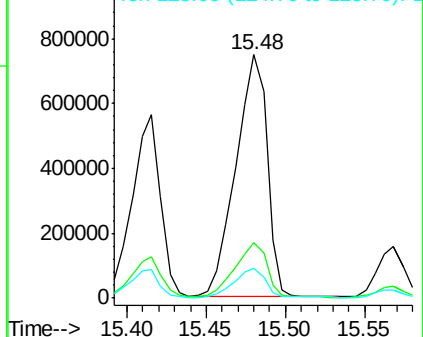


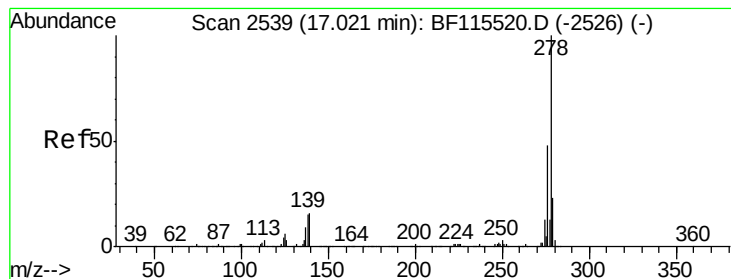
#90
Benzo(a)pyrene
Concen: 76.884 ng
RT: 15.48 min Scan# 2277
Delta R.T. 0.02 min
Lab File: BF115694.D
Acq: 20 Jul 2019 1:31

Tgt Ion:252 Resp: 1022522
Ion Ratio Lower Upper
252 100
253 22.7 17.8 26.6
125 12.4 9.1 13.7



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: 13.205 ng

RT: 17.03 min Scan# 2541

Delta R.T. 0.01 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

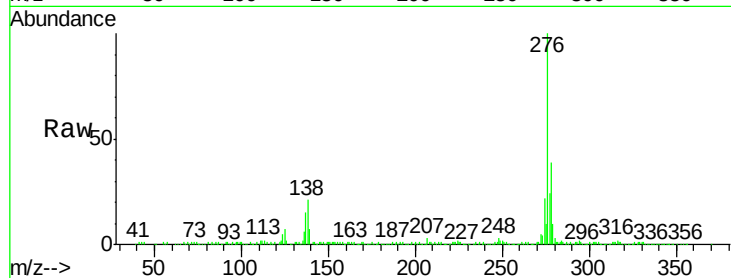
Instrument :

BNA_F

ClientSampleId :

Tot Ion:278 Resp: 154177

Ion	Ratio	Lower	Upper
278	100		
139	18.8	13.1	19.7
279	26.3	19.6	29.4

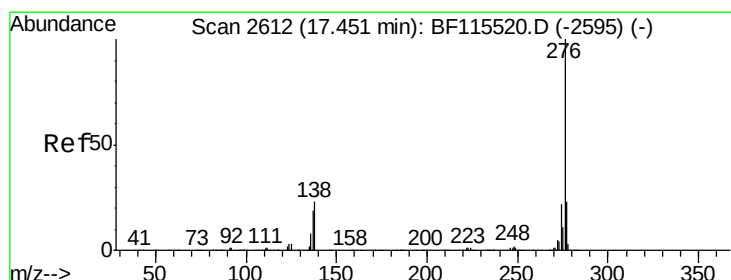
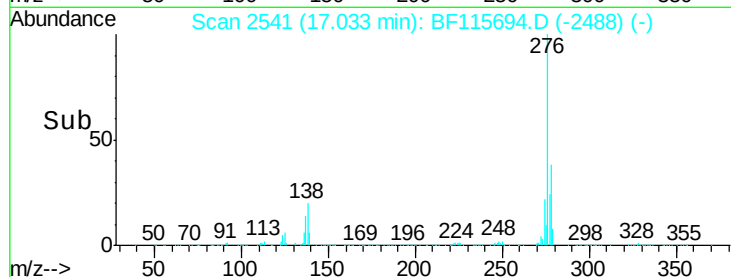
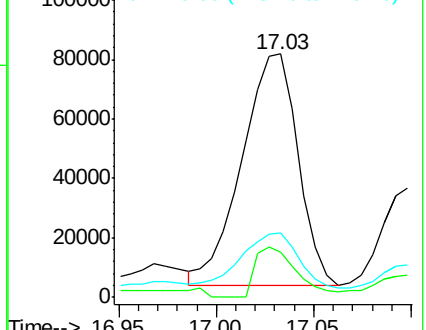


Abundance

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(g,h,i)perylene

Concen: 41.103 ng

RT: 17.48 min Scan# 2617

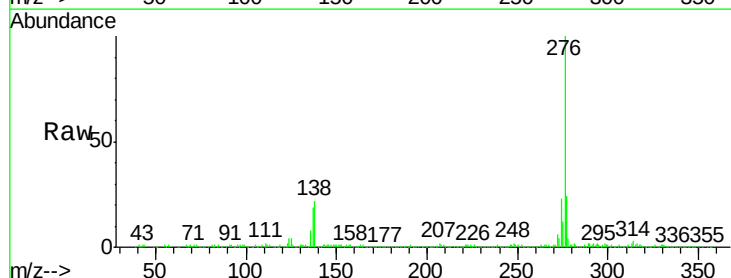
Delta R.T. 0.03 min

Lab File: BF115694.D

Acq: 20 Jul 2019 1:31

Tgt Ion:276 Resp: 478618

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	22.4	17.2	25.8



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

