

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091819\
 Data File : BF117166.D
 Acq On : 19 Sep 2019 00:54
 Operator : HP/JU
 Sample : K4938-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 19 05:18:11 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	39398	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	266716	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	138628	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	236668	20.00	ng	0.00
76) Chrysene-d12	13.96	240	120604	20.00	ng	-0.01
87) Perylene-d12	15.41	264	115269	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	312987	124.03	ng	0.00
7) Phenol-d6	6.46	99	398377	122.15	ng	0.00
23) Nitrobenzene-d5	7.38	82	243325	47.93	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	127253	109.83	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	589840	66.53	ng	0.00
79) Terphenyl-d14	12.91	244	533901	82.75	ng	0.00

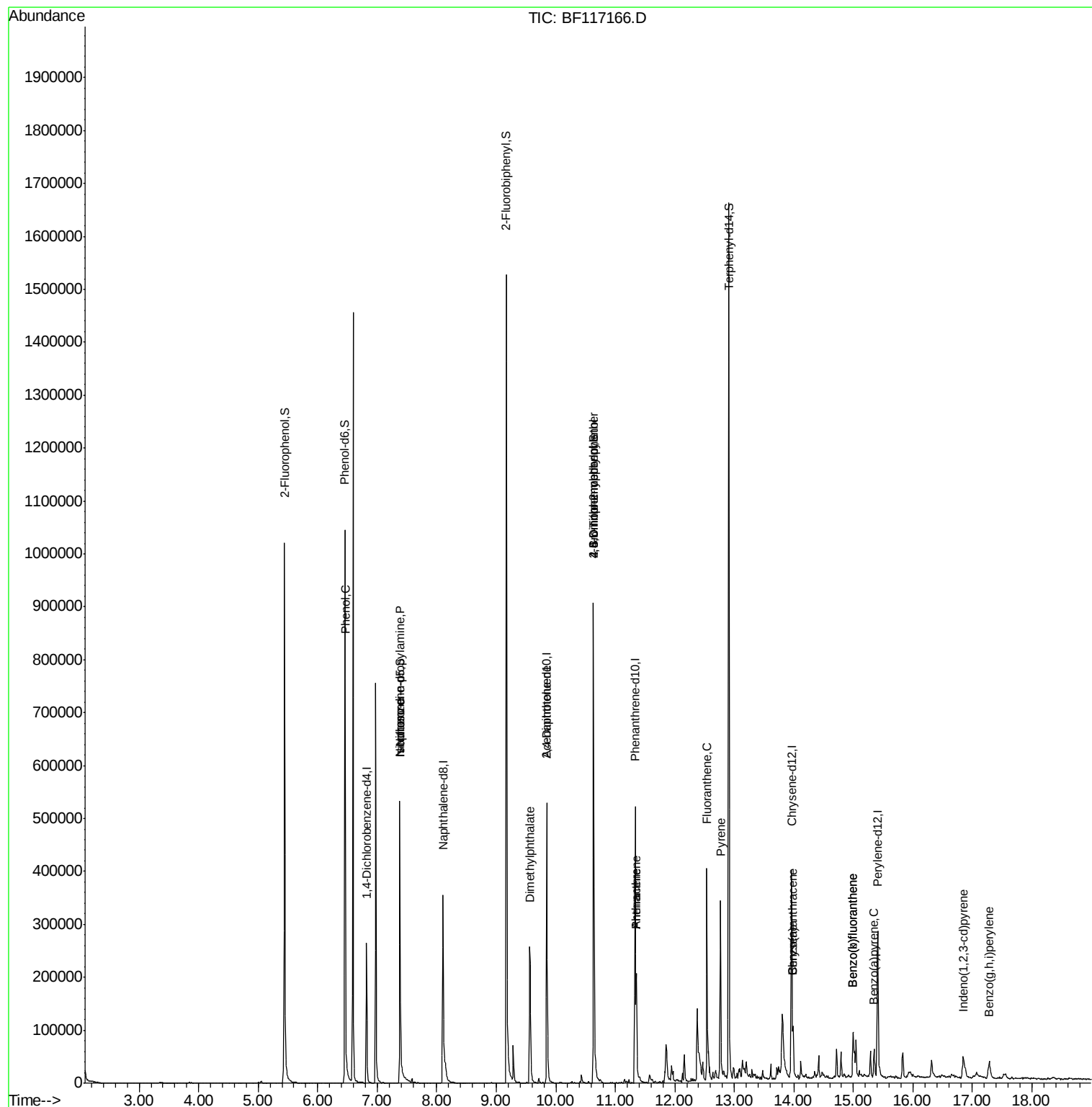
Target Compounds				Qvalue		
9) Benzaldehyde	6.46	77	580	Below Cal	#	1
10) Phenol	6.47	94	18805	5.230	ng	90
19) n-Nitroso-di-n-propylamine	7.38	70	31278	15.750	ng	# 80
25) Isophorone	7.38	82	243324	27.073	ng	# 66
50) Dimethylphthalate	9.56	163	154634	15.754	ng	98
57) 2,4-Dinitrotoluene	9.85	165	17355	6.688	ng	# 18
65) 4,6-Dinitro-2-methylphenol	10.63	198	124	7.001	ng	# 1
67) 4-Bromophenyl-phenylether	10.64	248	8711	3.604	ng	# 1
71) Phenanthrene	11.36	178	88419	6.578	ng	98
72) Anthracene	11.36	178	88419	6.443	ng	99
75) Fluoranthene	12.54	202	168872	12.226	ng	97
78) Pyrene	12.77	202	148420	14.667	ng	99
81) Benzo(a)anthracene	13.99	228	46264	5.742	ng	97
83) Chrysene	13.99	228	46264	5.887	ng	96
86) Indeno(1,2,3-cd)pyrene	16.84	276	32546	5.676	ng	95
88) Benzo(b)fluoranthene	14.99	252	68325	9.786	ng	96
89) Benzo(k)fluoranthene	14.99	252	68325	10.330	ng	95
90) Benzo(a)pyrene	15.34	252	30897	5.043	ng	96
92) Benzo(a,h,i)perylene	17.28	276	31491	6.474	ng	# 94

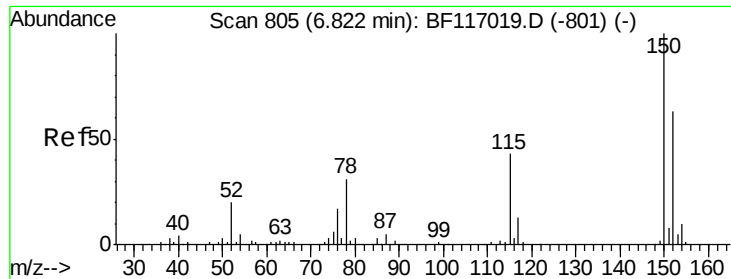
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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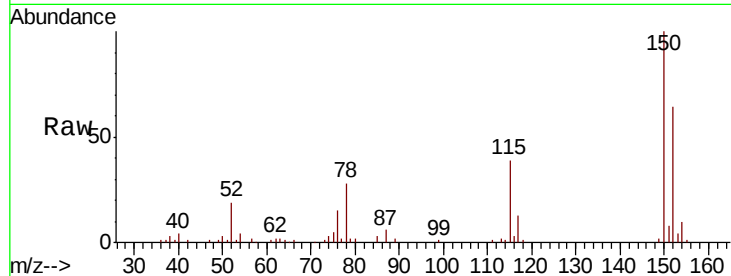




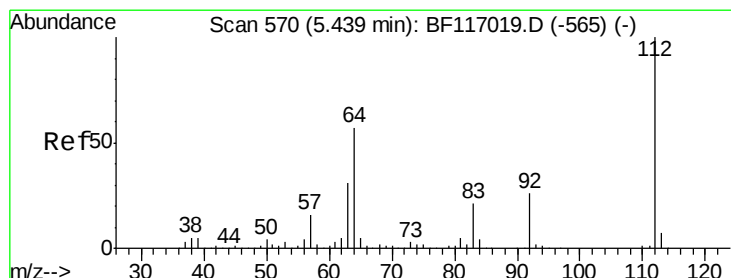
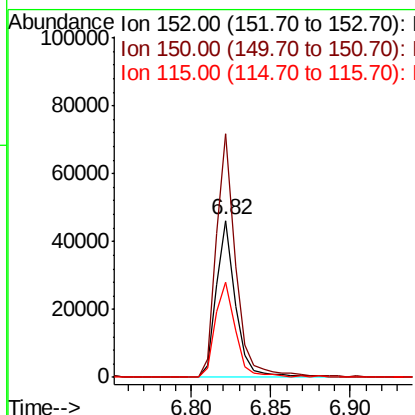
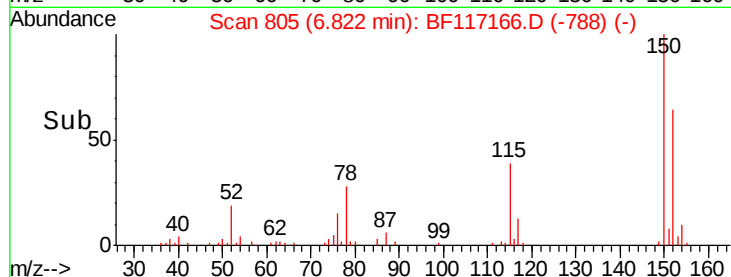
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 39398
 Ion Ratio Lower Upper
 152 100
 150 155.1 127.5 191.3
 115 60.2 55.0 82.4

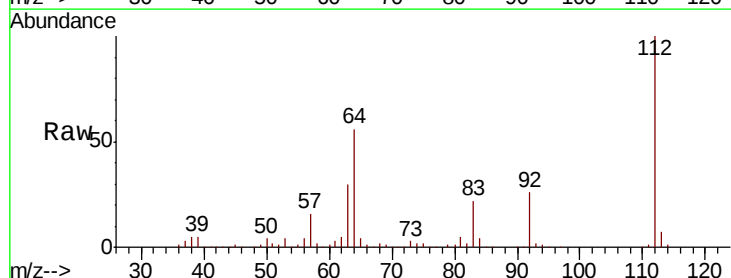


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

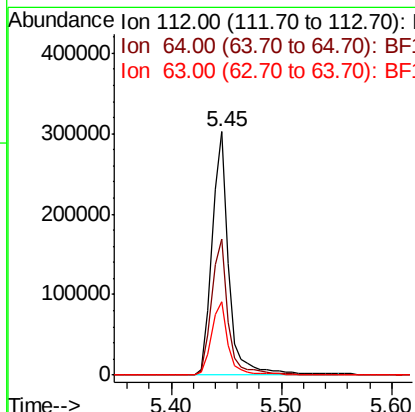
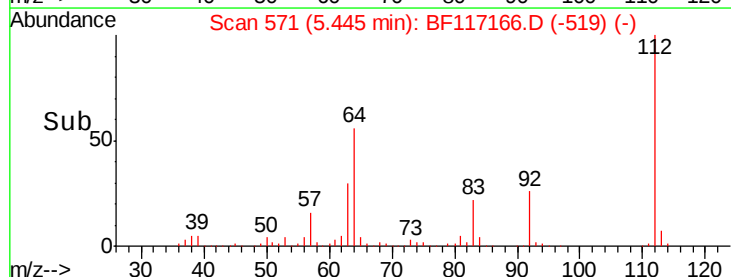


#5
 2-Fluorophenol
 Concen: 124.029 ng
 RT: 5.45 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

Tgt Ion:112 Resp: 312987
 Ion Ratio Lower Upper
 112 100
 64 55.8 45.7 68.5
 63 30.3 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: 122.154 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

Instrument :

BNA_F

ClientSampled :

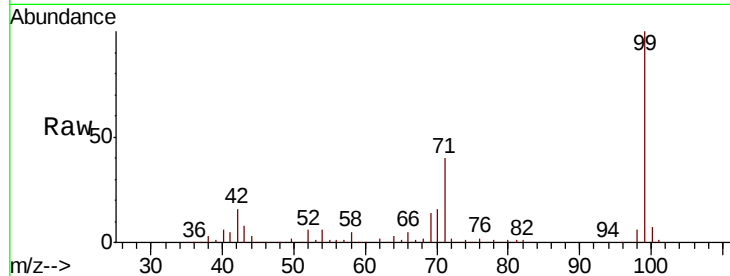
Tot Ion: 99 Resp: 398377

Ion Ratio Lower Upper

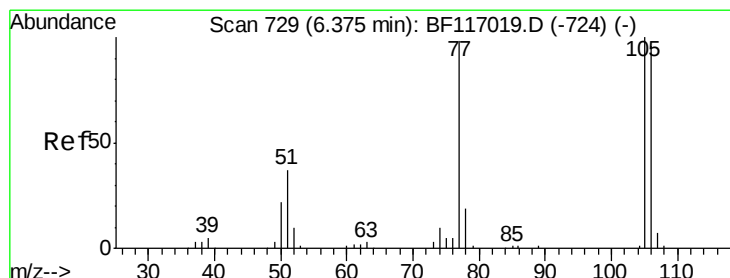
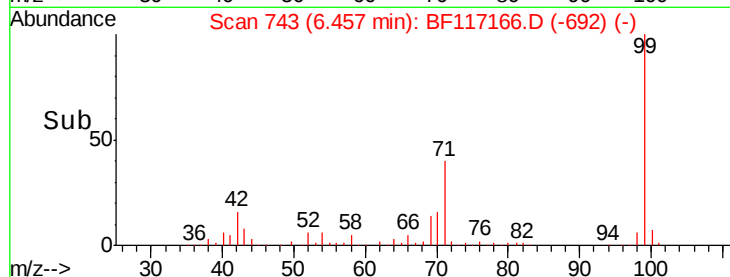
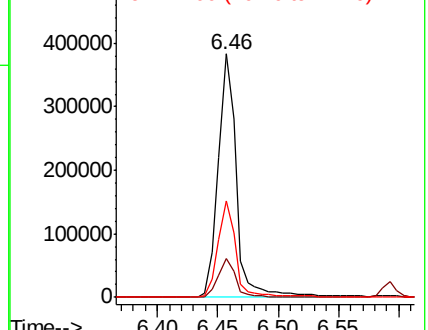
99 100

42 15.7 12.2 18.2

71 39.5 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.46 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

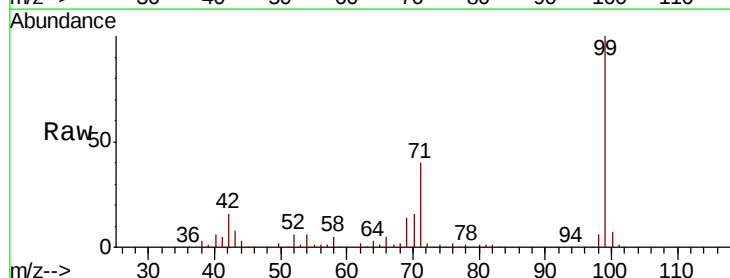
Tgt Ion: 77 Resp: 580

Ion Ratio Lower Upper

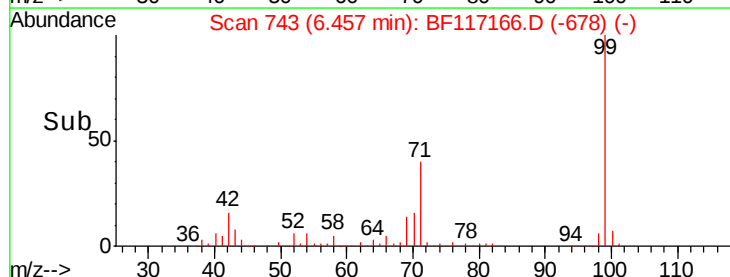
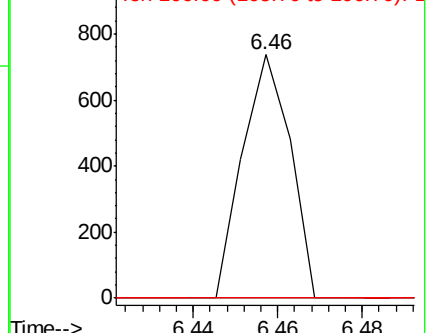
77 100

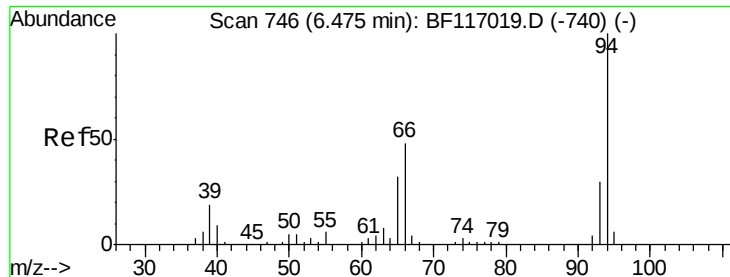
105 0.0 81.8 121.8#

106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E

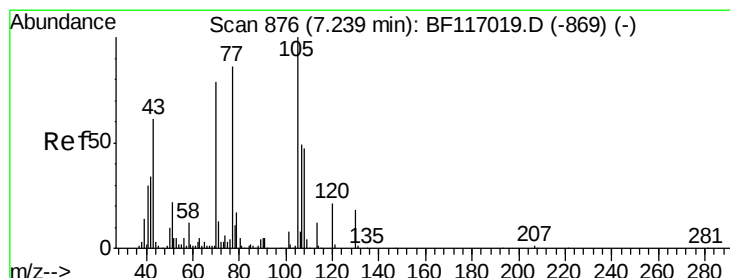
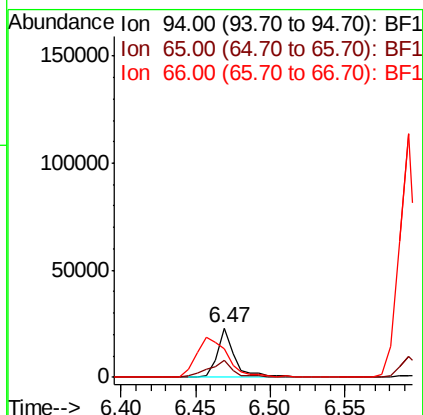
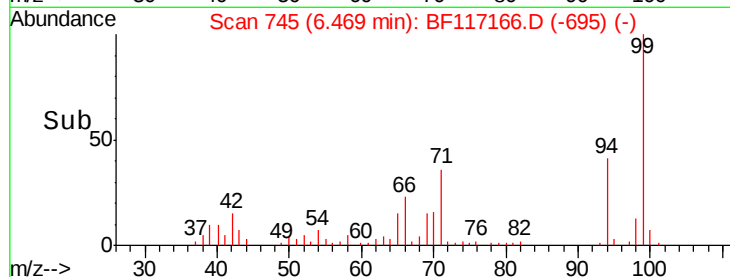
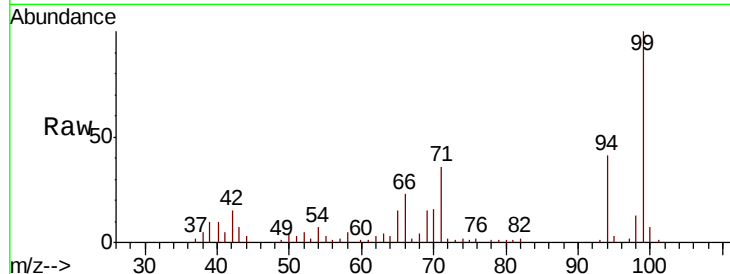




#10
Phenol
Concen: 5.230 ng
RT: 6.47 min Scan# 745
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

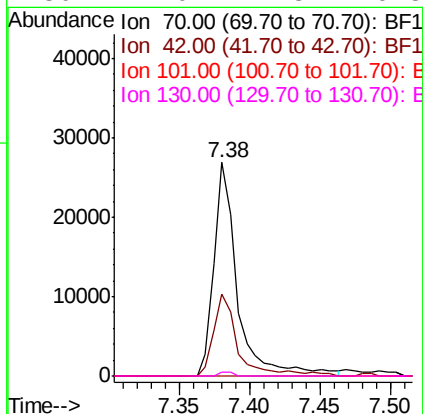
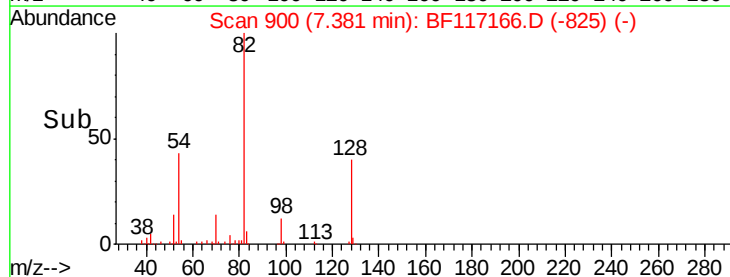
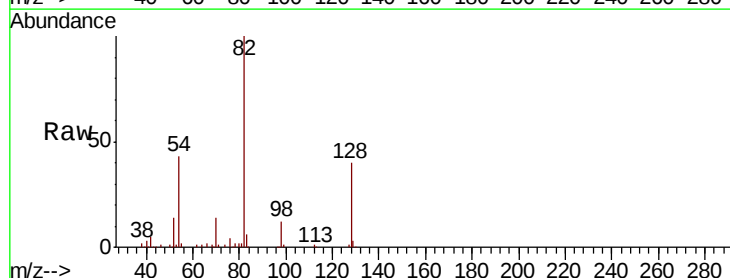
Instrument :
BNA_F
ClientSampled :

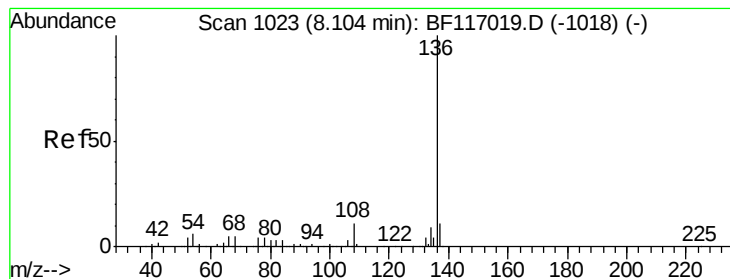
Tot Ion: 94 Resp: 18805
Ion Ratio Lower Upper
94 100
65 35.5 12.5 52.5
66 57.3 28.9 68.9



#19
n-Nitroso-di-n-propylamine
Concen: 15.750 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Tgt Ion: 70 Resp: 31278
Ion Ratio Lower Upper
70 100
42 38.6 34.0 51.0
101 0.0 7.8 11.6#
130 2.0 17.8 26.8#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1023

Delta R.T. 0.00 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 266716

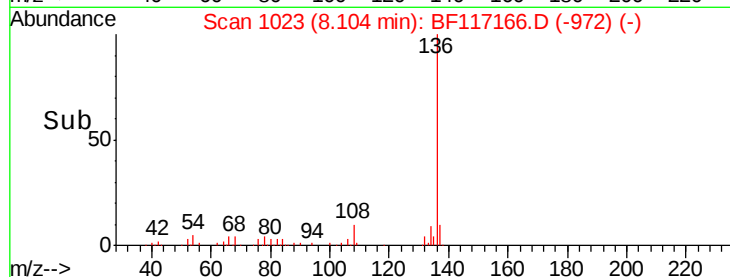
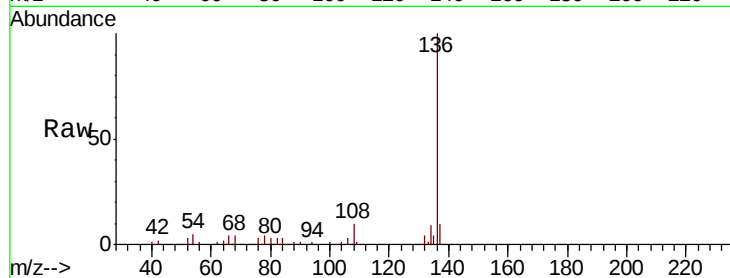
Ion Ratio Lower Upper

136 100

137 10.3 9.0 13.4

54 5.1 4.5 6.7

68 4.2 4.0 6.0

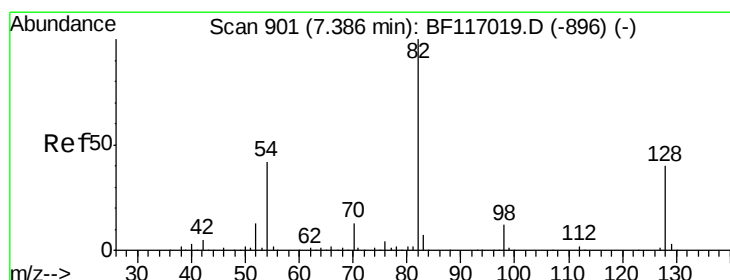
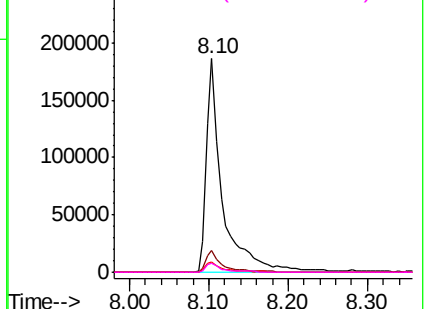


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 47.934 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.01 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

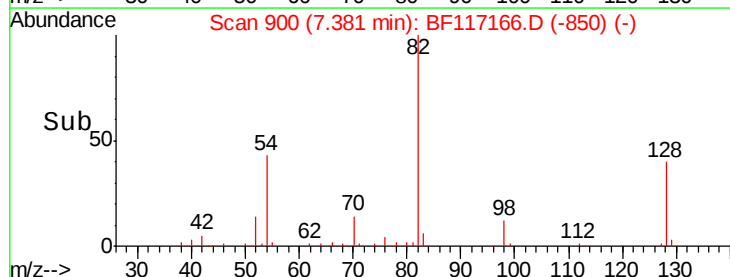
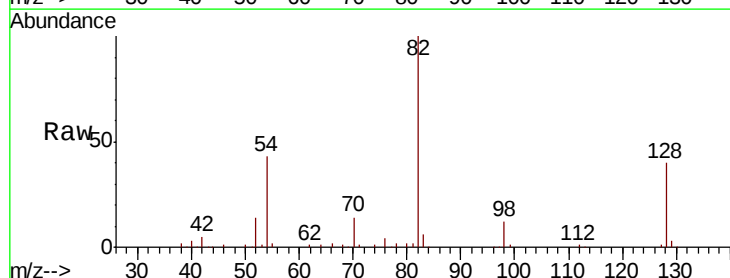
Tgt Ion: 82 Resp: 243325

Ion Ratio Lower Upper

82 100

128 39.9 32.3 48.5

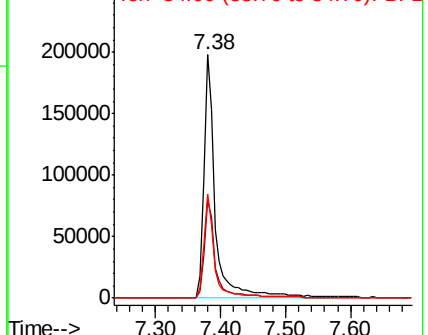
54 43.0 33.3 49.9

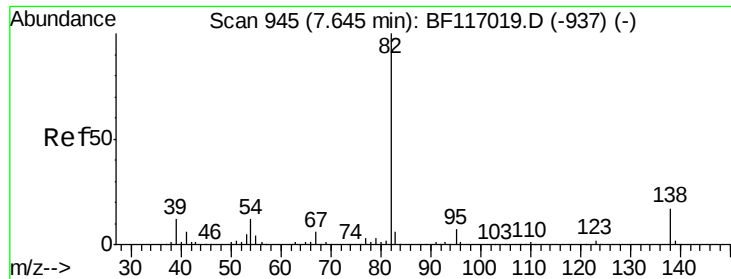


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 27.073 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

Instrument :

BNA_F

ClientSampleId :

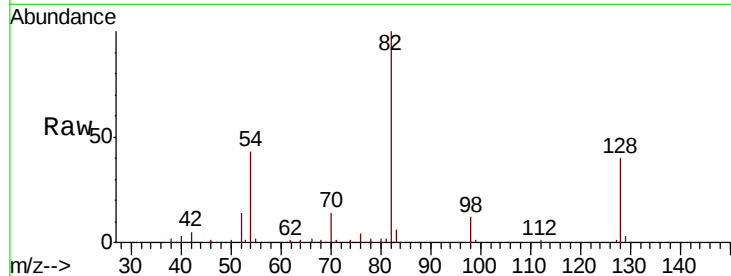
Tot Ion: 82 Resp: 243324

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

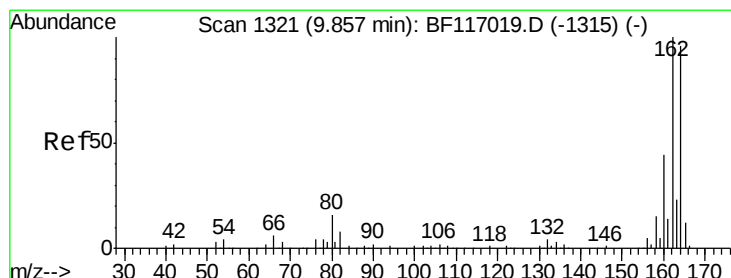
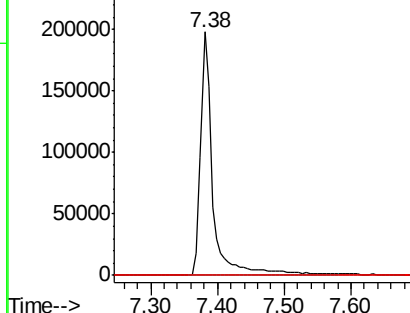
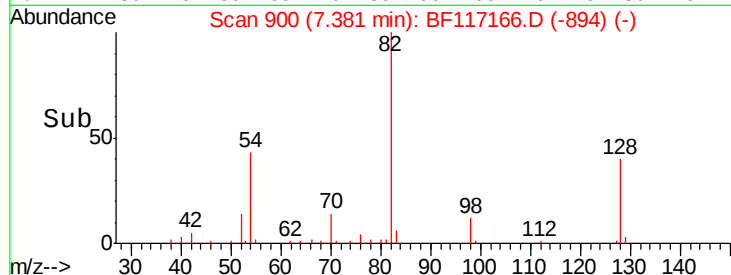
138 0.0 13.5 20.3#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

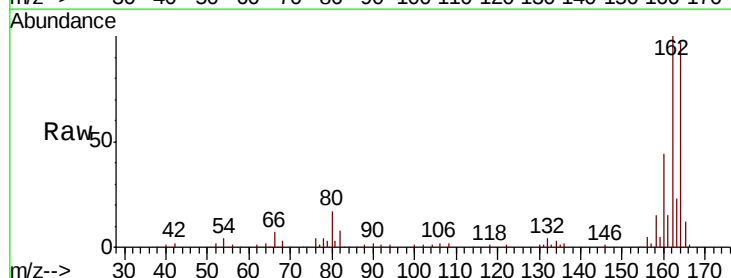
Tgt Ion:164 Resp: 138628

Ion Ratio Lower Upper

164 100

162 103.2 83.4 125.2

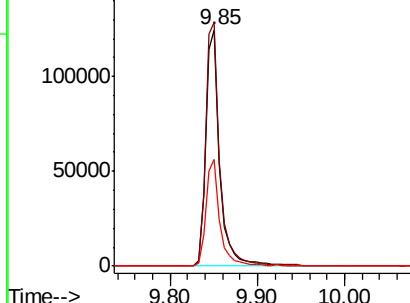
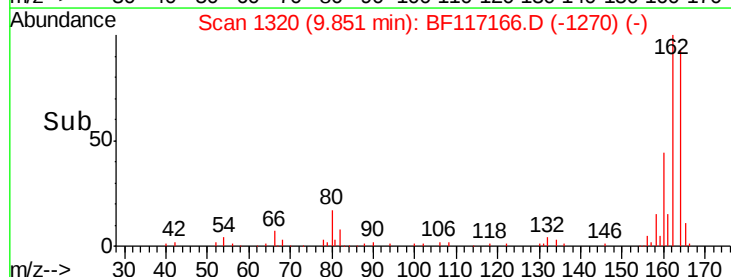
160 45.4 36.4 54.6



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

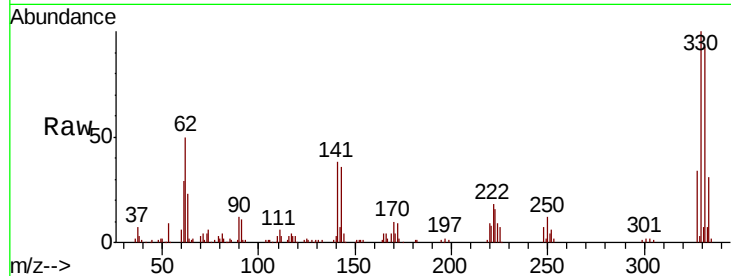




#42
 2,4,6-Tribromophenol
 Concen: 109.832 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
330	100		
332	93.9	78.0	117.0
141	44.3	35.8	53.6

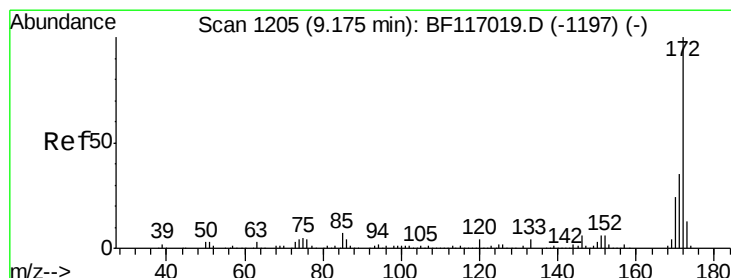
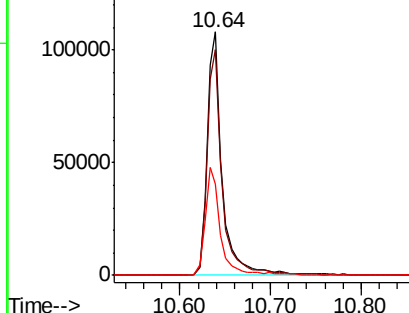
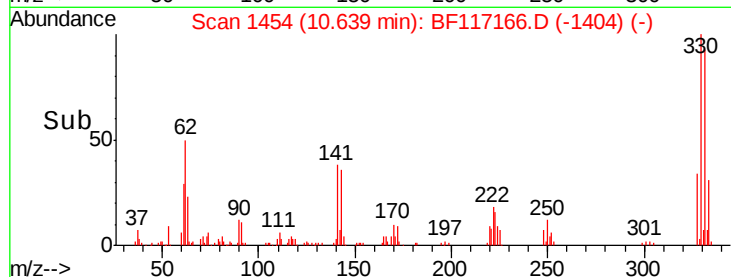


Abundance

Ion 329.80 (329.50 to 330.50): E

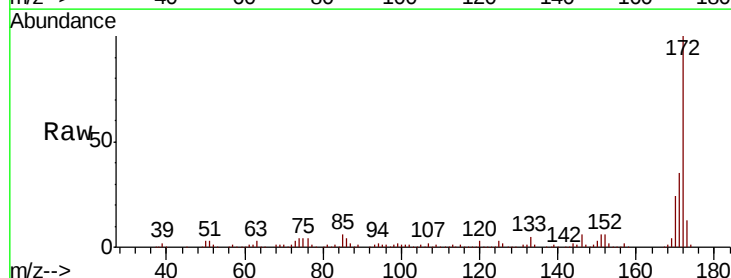
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 66.528 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.2	42.2
170	23.5	18.9	28.3

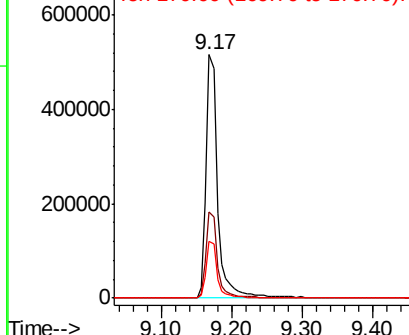
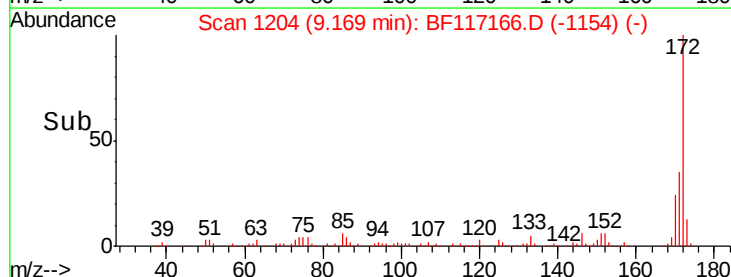


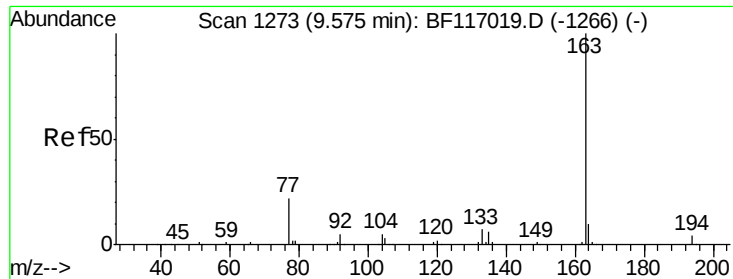
Abundance

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

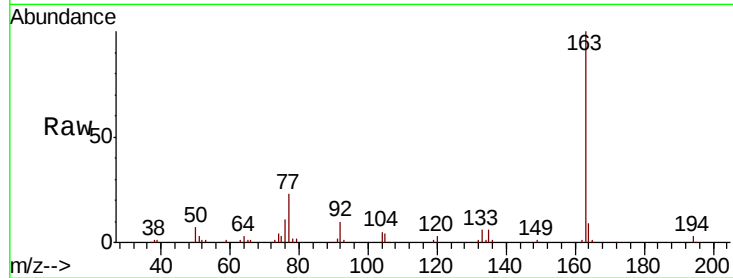




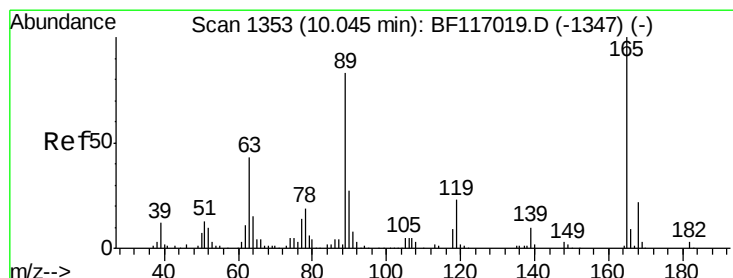
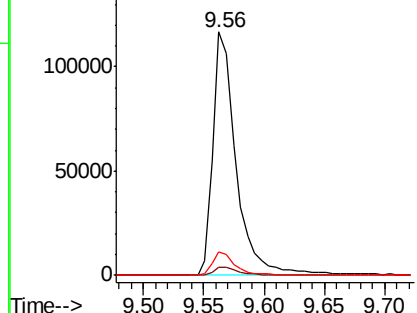
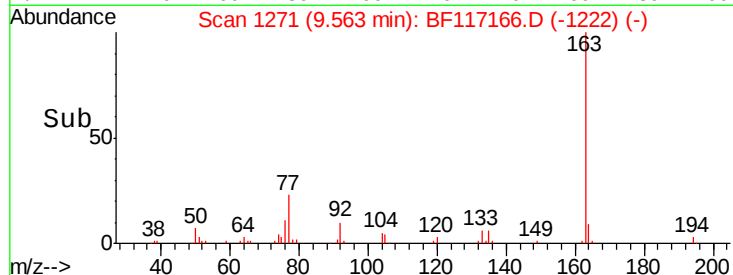
#50
Dimethylphthalate
Concen: 15.754 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	2.9	4.3
164	9.5	8.2	12.4

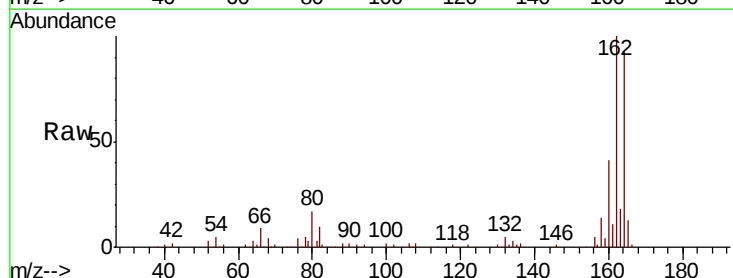


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

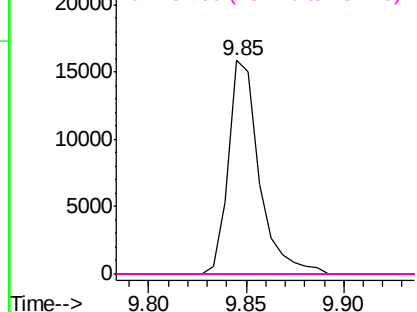
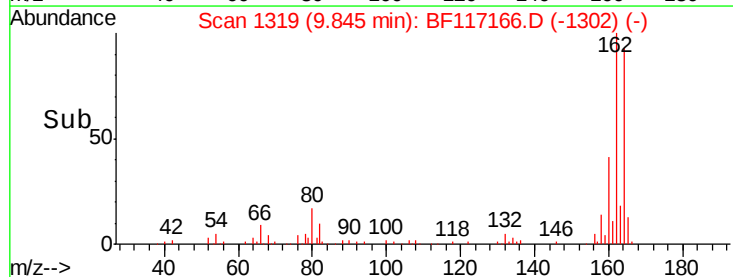


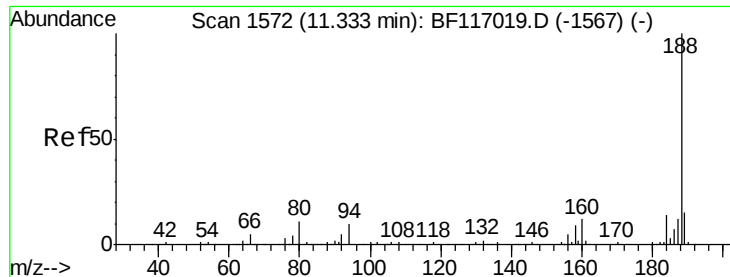
#57
2,4-Dinitrotoluene
Concen: 6.688 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.20 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	35.0	52.4#
89	0.0	66.1	99.1#
182	0.0	2.0	3.0#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

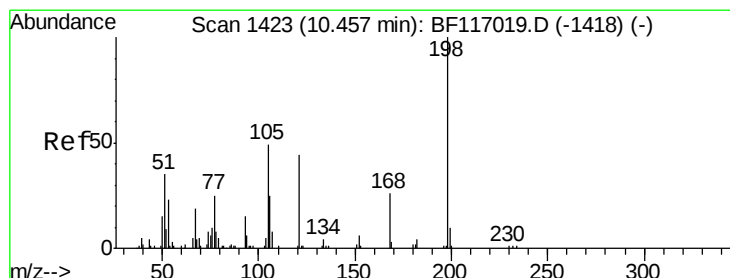
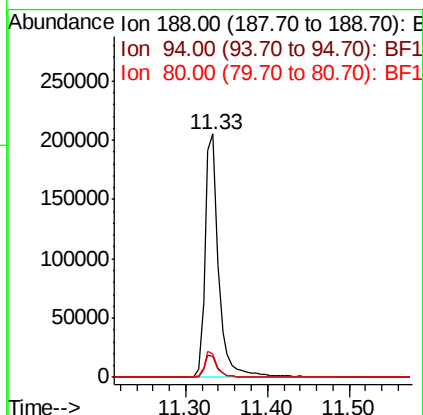
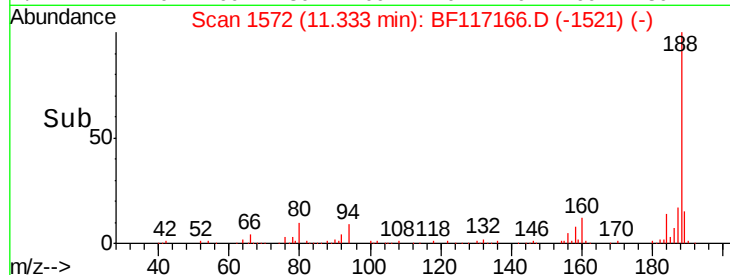
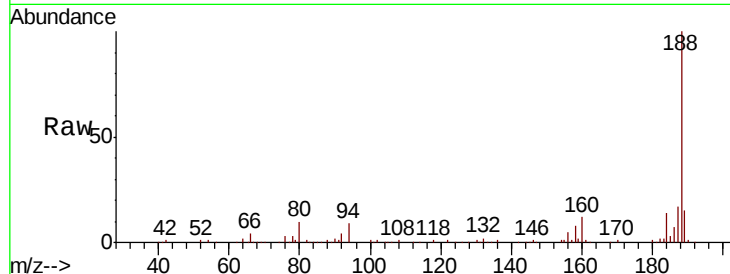




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

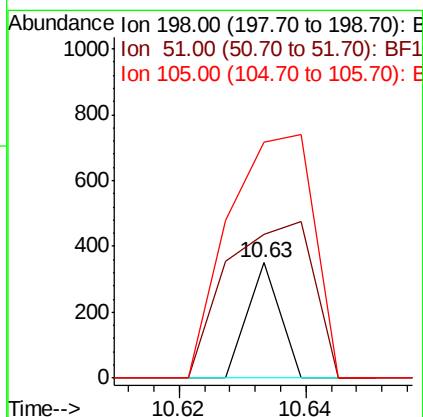
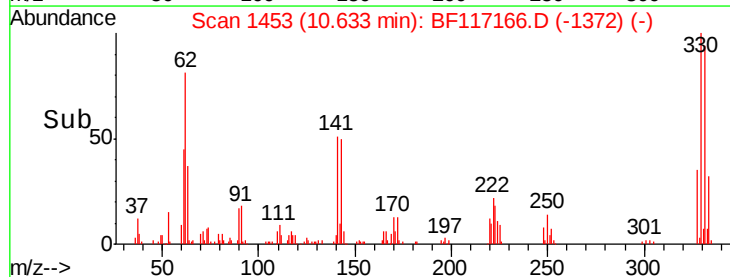
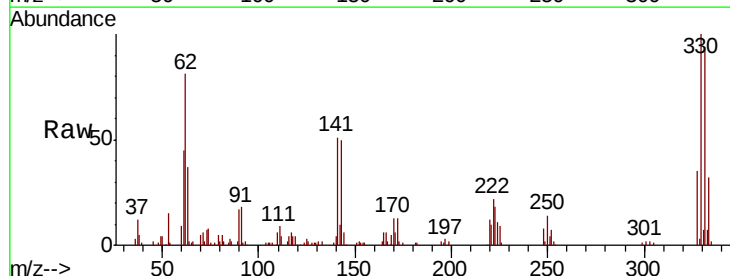
Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
188	100		
94	8.6	8.2	12.2
80	9.8	9.0	13.6



#65
 4,6-Dinitro-2-methylphenol
 Concen: 7.001 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.18 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

Tgt Ion	Ratio	Lower	Upper
198	100		
51	124.3	18.7	58.7#
105	205.1	30.2	70.2#

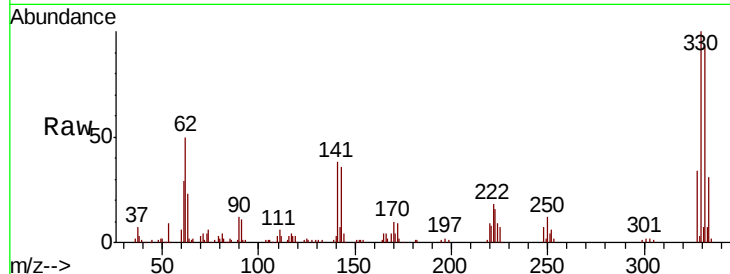




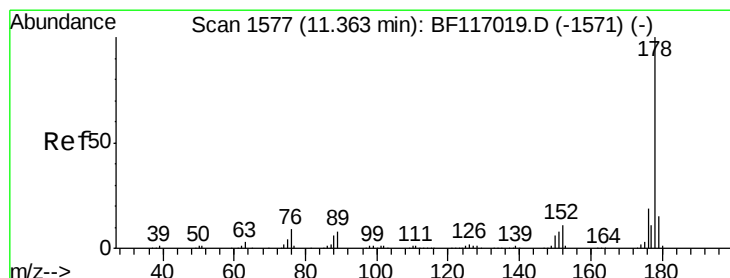
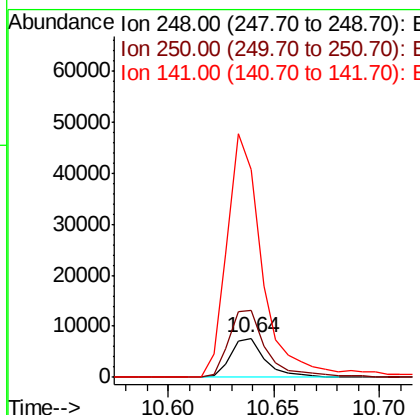
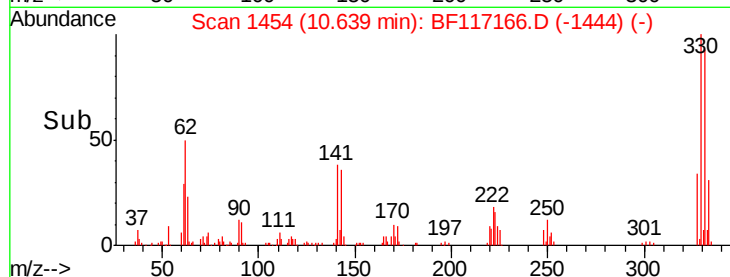
#67
 4-Bromophenyl-phenylether
 Concen: 3.604 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 8711
 Ion Ratio Lower Upper
 248 100
 250 172.0 76.2 114.4#
 141 534.0 75.0 112.4#

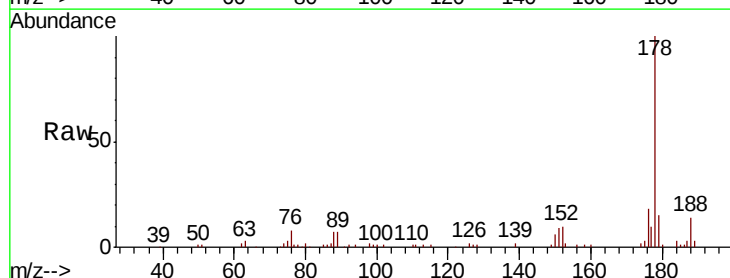


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

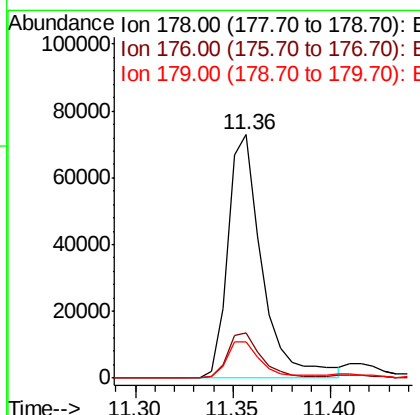
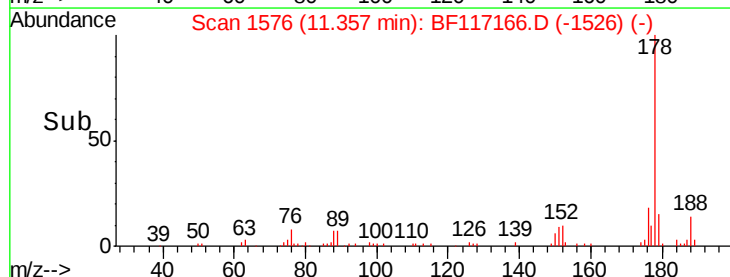


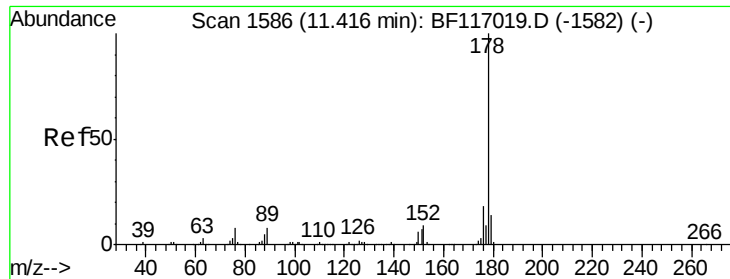
#71
 Phenanthrene
 Concen: 6.578 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

Tgt Ion:178 Resp: 88419
 Ion Ratio Lower Upper
 178 100
 176 18.5 15.4 23.2
 179 15.0 12.4 18.6



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

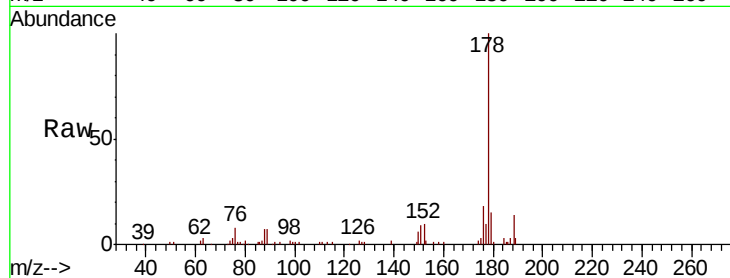




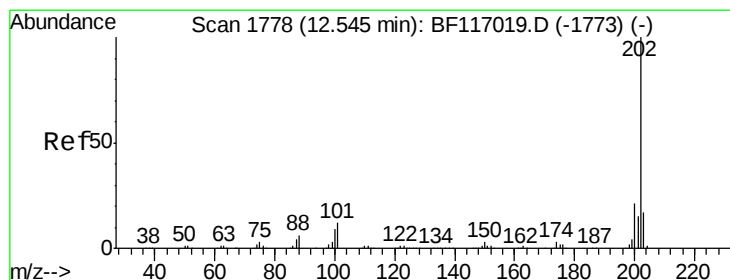
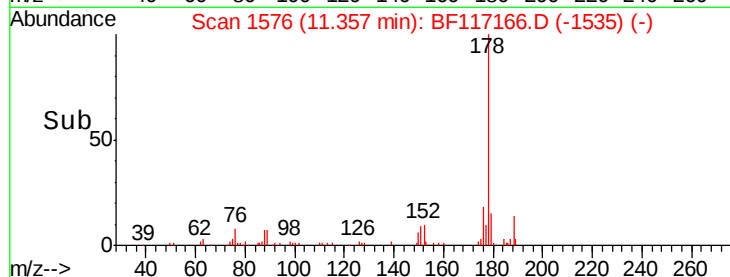
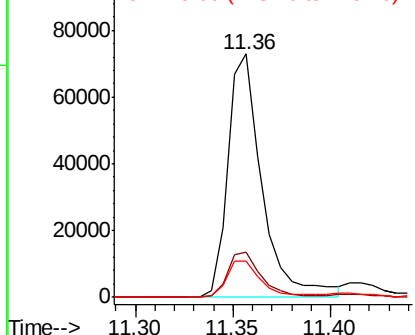
#72
 Anthracene
 Concen: 6.443 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.06 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.6	21.8
179	15.0	11.6	17.4

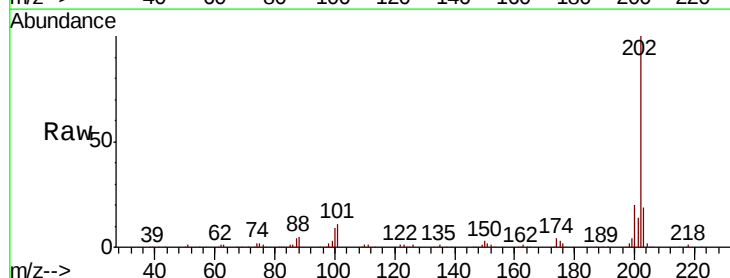


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

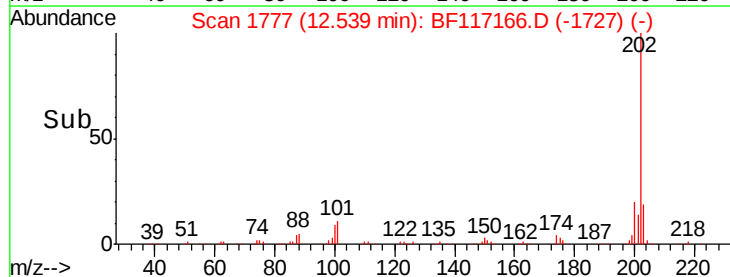
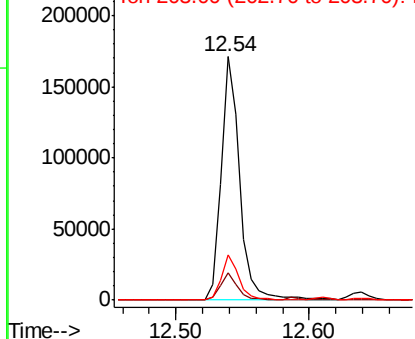


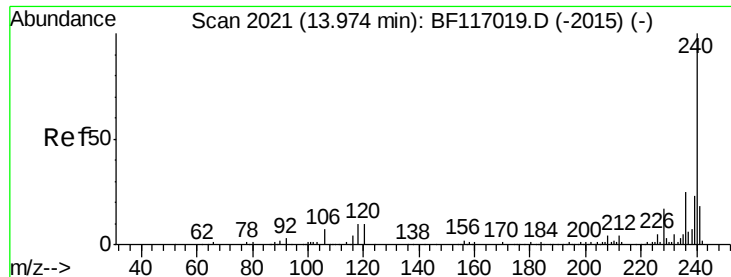
#75
 Fluoranthene
 Concen: 12.226 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF117166.D
 Acq: 19 Sep 2019 00:54

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	32.3
203	18.6	0.0	37.1



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

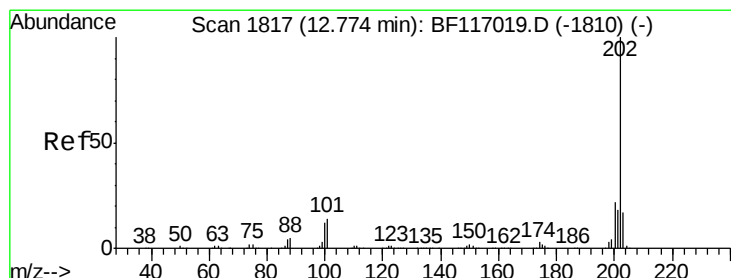
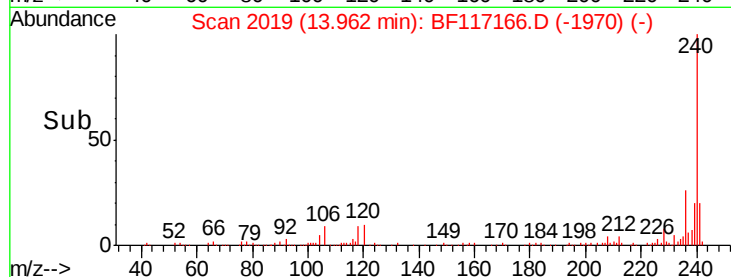
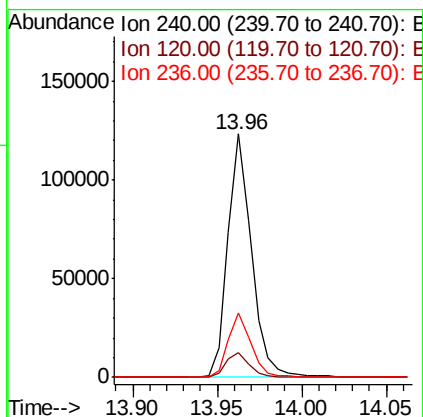
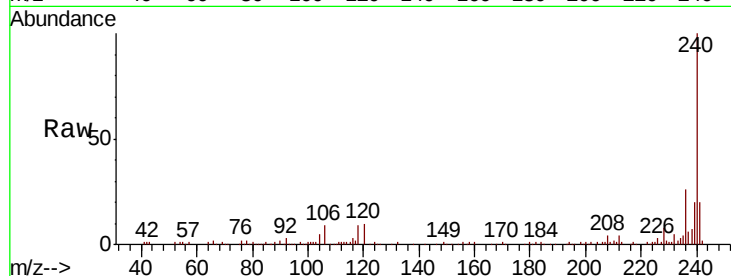




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

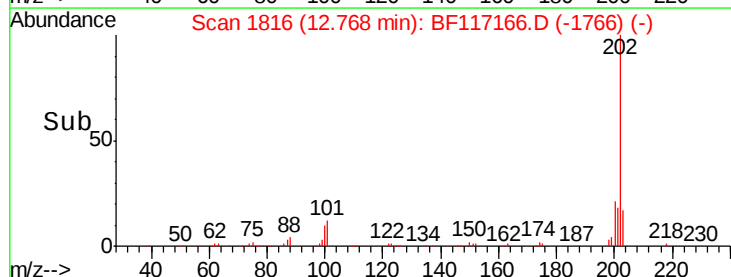
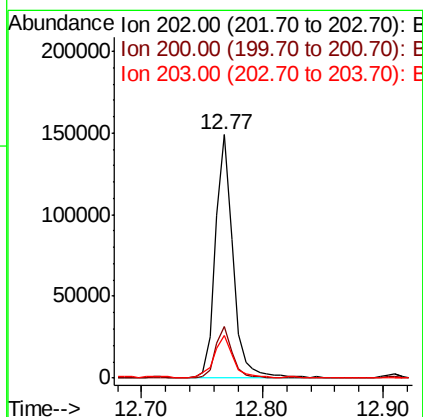
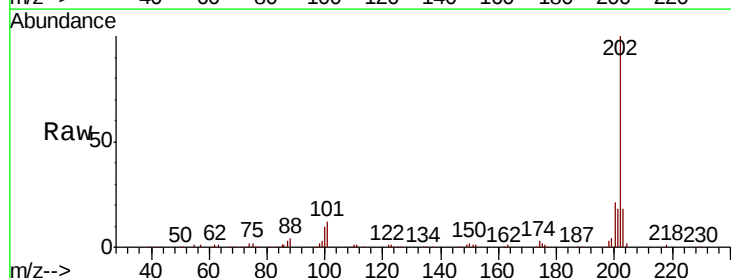
Instrument :
BNA_F
ClientSampleId :

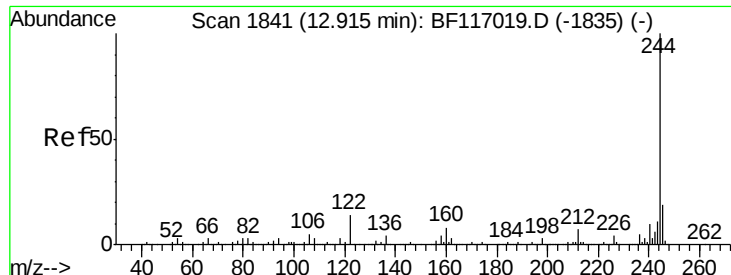
Tot Ion:240 Resp: 120604
Ion Ratio Lower Upper
240 100
120 10.0 8.3 12.5
236 26.3 20.3 30.5



#78
Pyrene
Concen: 14.667 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Tgt Ion:202 Resp: 148420
Ion Ratio Lower Upper
202 100
200 21.2 17.2 25.8
203 17.7 14.0 21.0





#79

Terphenyl-d14

Concen: 82.748 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

Instrument :

BNA_F

ClientSampleId :

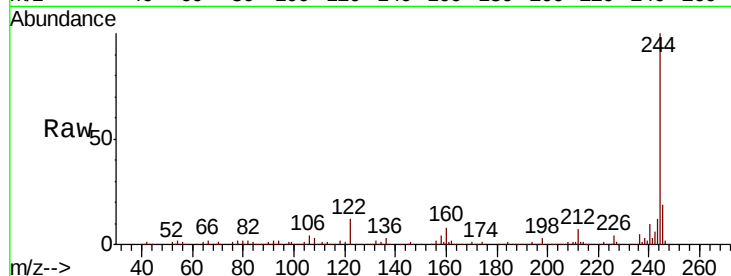
Tot Ion:244 Resp: 533901

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

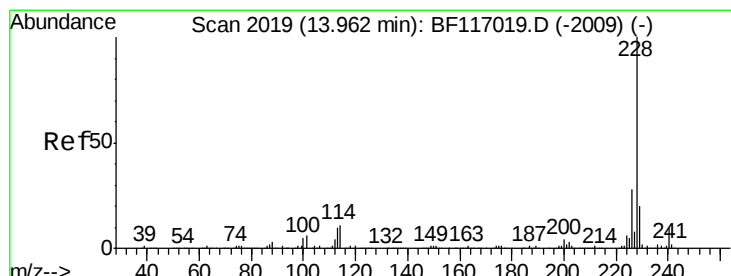
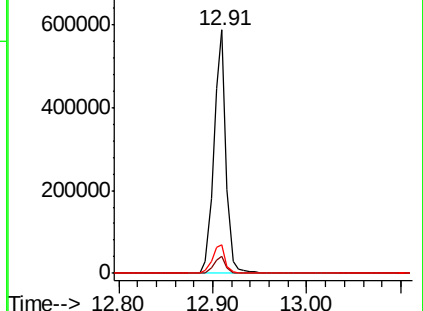
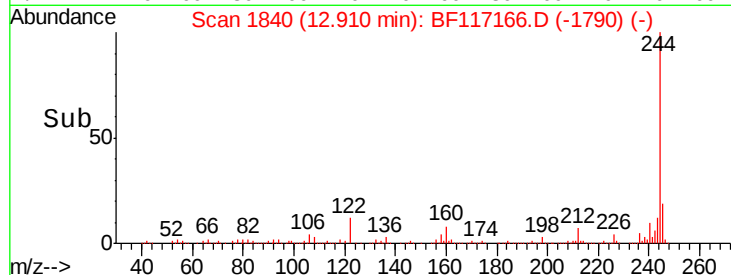
122 11.6 11.3 16.9



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: 5.742 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.03 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

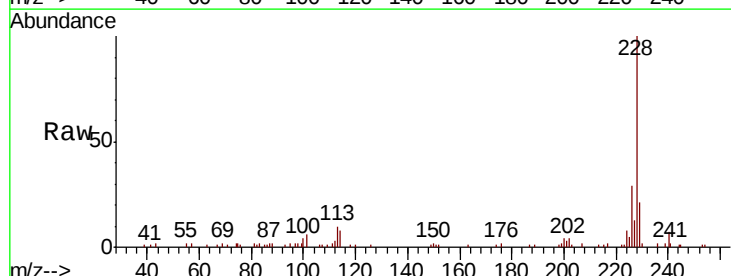
Tgt Ion:228 Resp: 46264

Ion Ratio Lower Upper

228 100

226 29.0 22.3 33.5

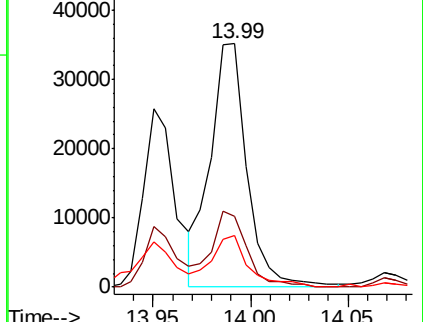
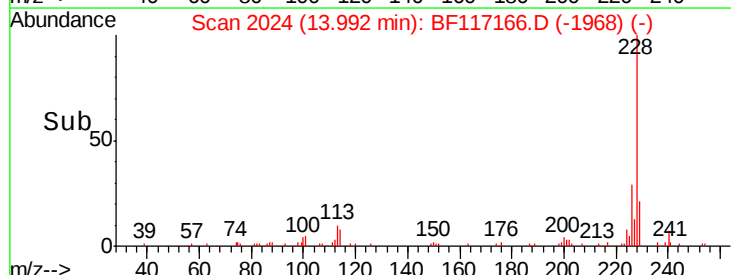
229 21.4 15.9 23.9

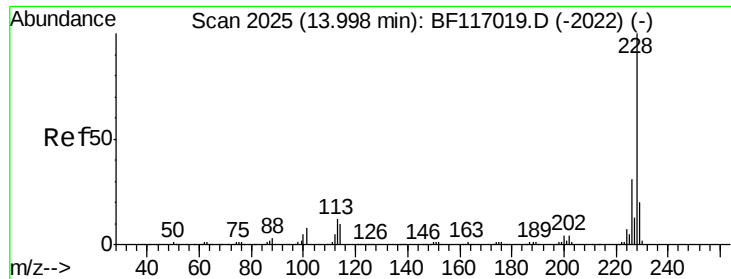


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

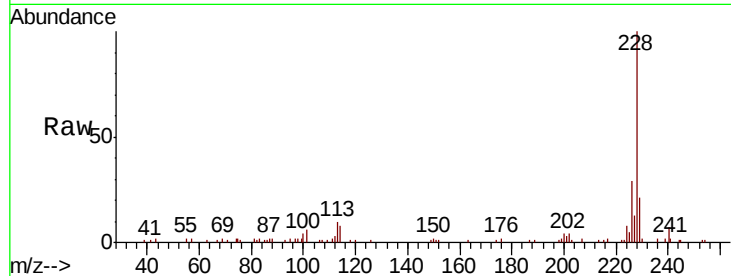




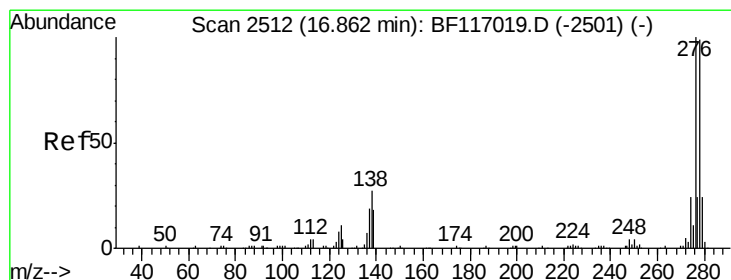
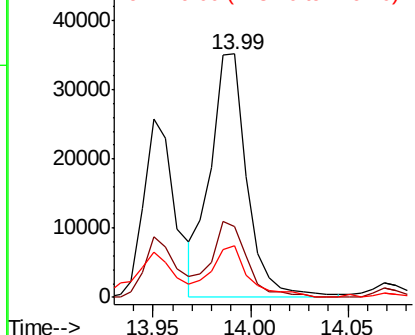
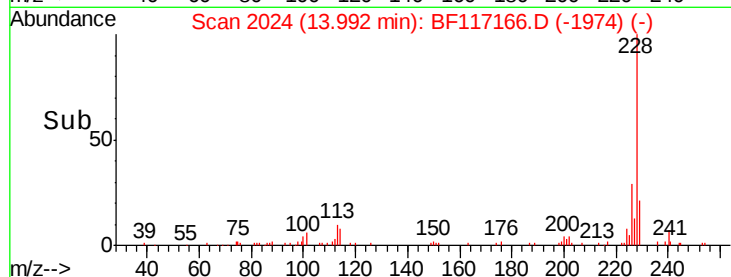
#83
Chrysene
Concen: 5.887 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:228 Resp: 46264
Ion Ratio Lower Upper
228 100
226 29.0 24.8 37.2
229 21.4 15.8 23.8

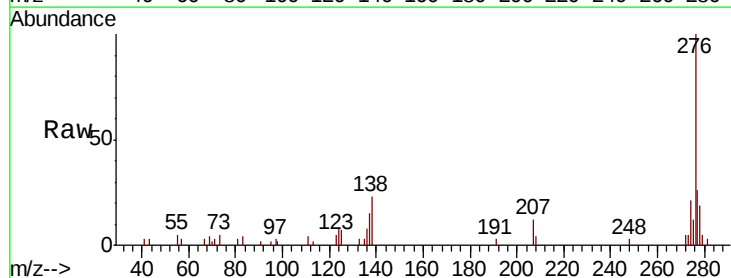


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

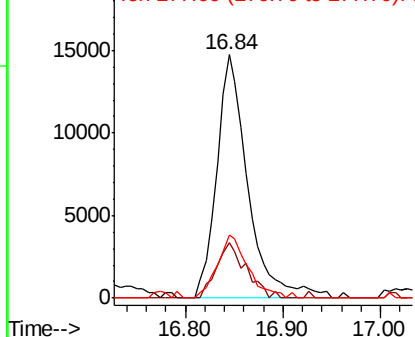
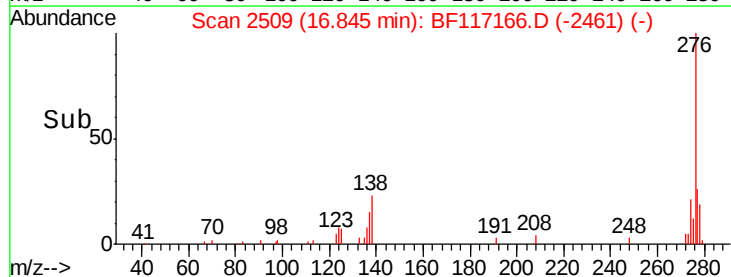


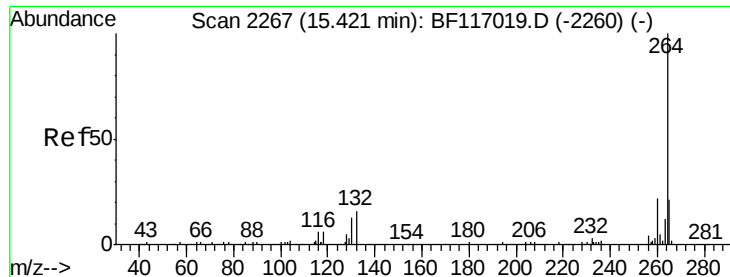
#86
Indeno(1,2,3-cd)pyrene
Concen: 5.676 ng
RT: 16.84 min Scan# 2509
Delta R.T. -0.02 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Tgt Ion:276 Resp: 32546
Ion Ratio Lower Upper
276 100
138 21.5 20.7 31.1
277 25.0 19.8 29.8



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E



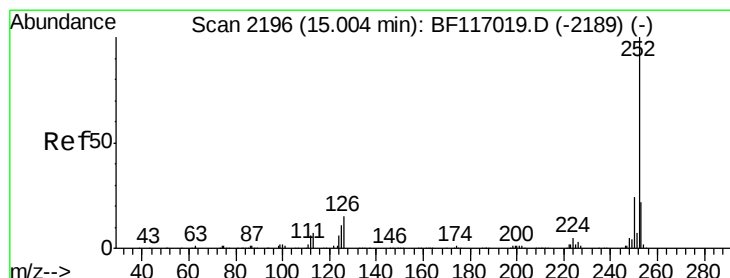
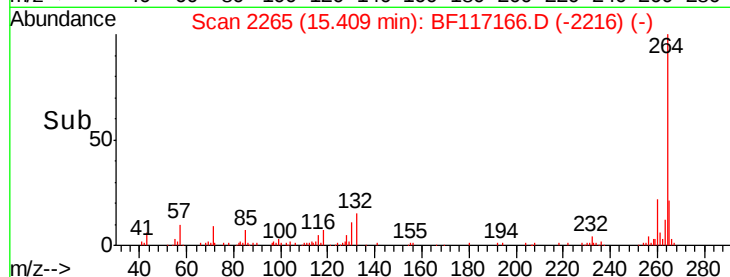
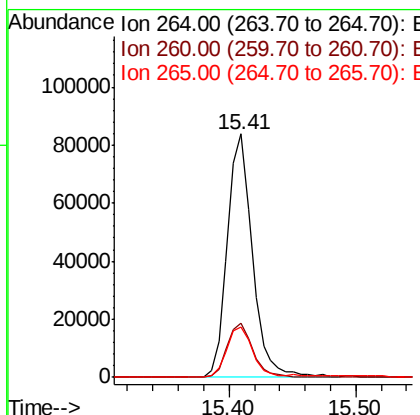
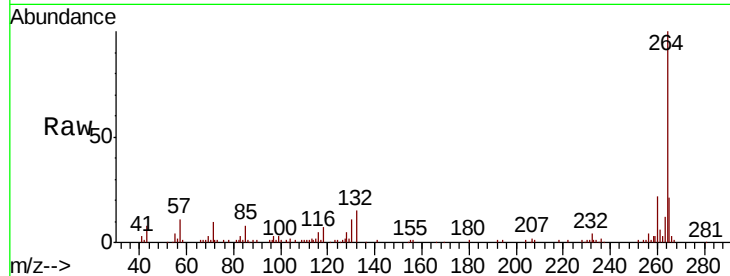


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Instrument :
BNA_F
ClientSampled :

Tot Ion:264 Resp: 115269

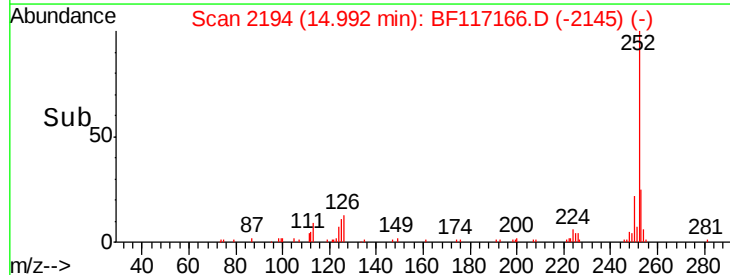
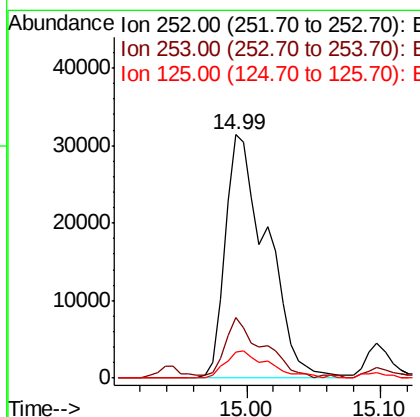
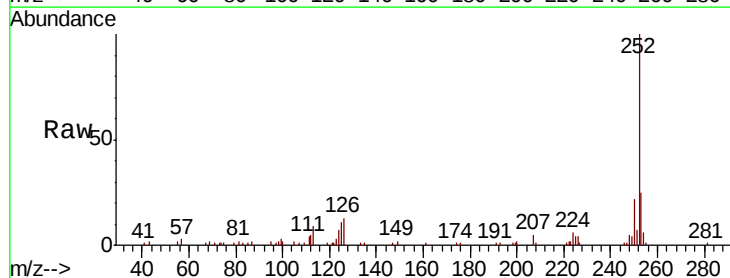
Ion	Ratio	Lower	Upper
264	100		
260	22.3	17.6	26.4
265	20.8	16.6	24.8

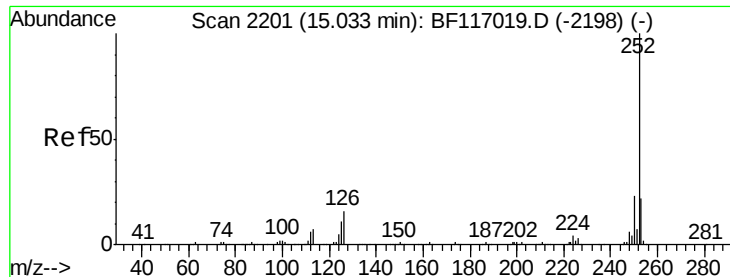


#88
Benzo(b)fluoranthene
Concen: 9.786 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF117166.D
Acq: 19 Sep 2019 00:54

Tgt Ion:252 Resp: 68325

Ion	Ratio	Lower	Upper
252	100		
253	25.0	17.6	26.4
125	10.7	8.6	12.8





#89

Benzo(k)fluoranthene

Concen: 10.330 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.04 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

Instrument :

BNA_F

ClientSampleId :

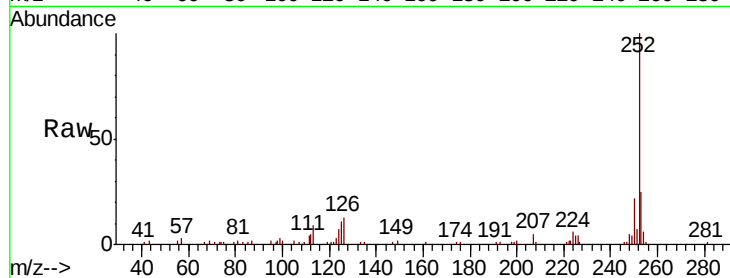
Tot Ion:252 Resp: 68325

Ion Ratio Lower Upper

252 100

253 25.0 17.4 26.2

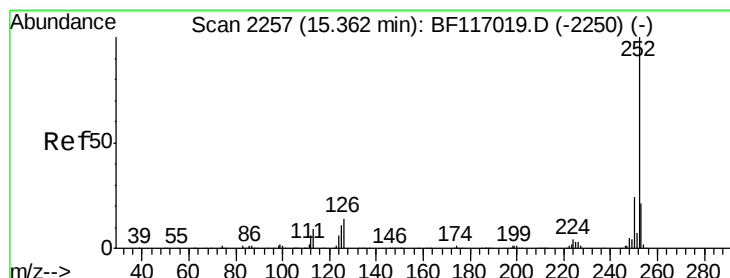
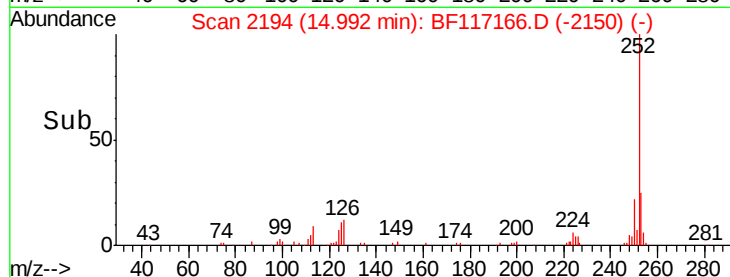
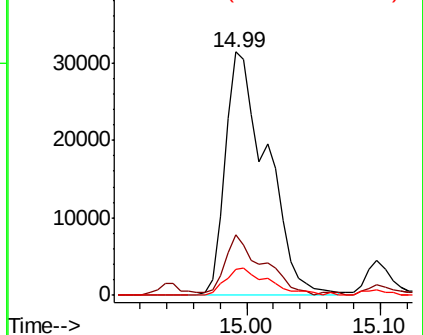
125 10.7 8.8 13.2



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: 5.043 ng

RT: 15.34 min Scan# 2254

Delta R.T. -0.02 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

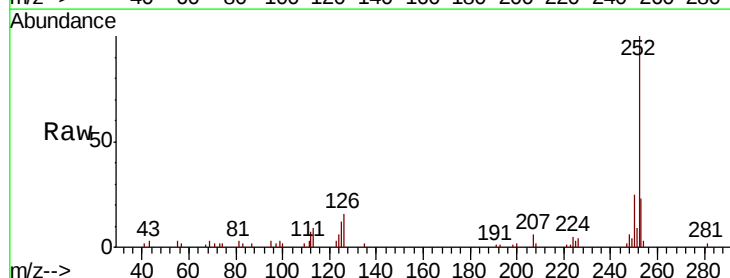
Tgt Ion:252 Resp: 30897

Ion Ratio Lower Upper

252 100

253 23.2 16.6 25.0

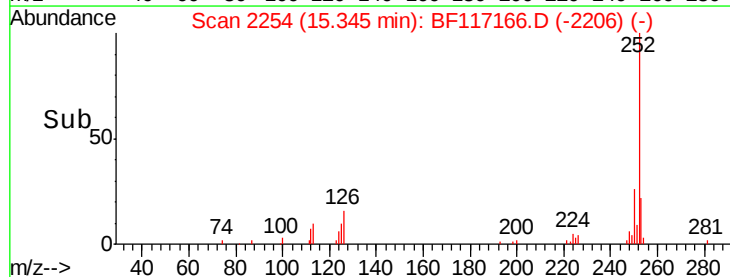
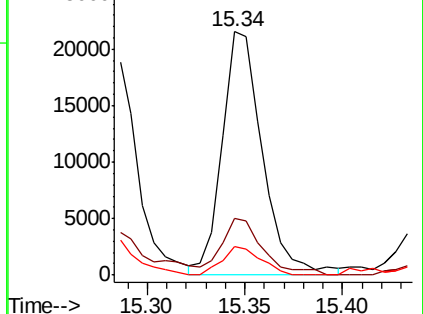
125 11.6 8.9 13.3

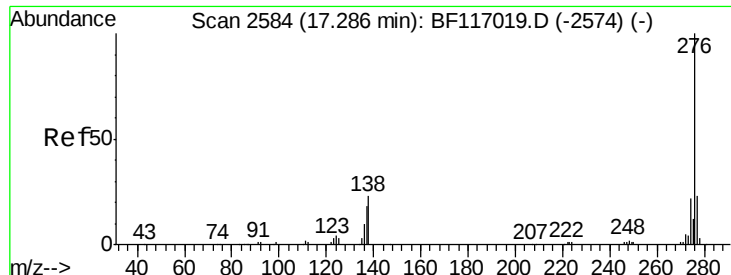


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92

Benzo(a,h,i)perylene

Concen: 6.474 ng

RT: 17.28 min Scan# 2583

Delta R.T. -0.01 min

Lab File: BF117166.D

Acq: 19 Sep 2019 00:54

Instrument :

BNA_F

ClientSampleId :

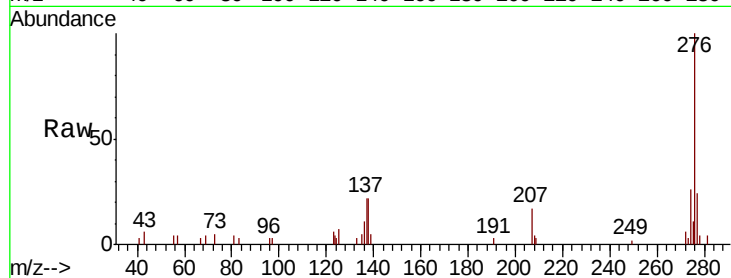
Tot Ion:276 Resp: 31491

Ion Ratio Lower Upper

276 100

277 24.0 18.6 27.8

138 27.8 18.0 27.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

