

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF111219\
 Data File : BF117764.D
 Acq On : 12 Nov 2019 17:22
 Operator : JU
 Sample : K5788-06
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Quant Time: Nov 13 01:13:05 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF110619.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 12 13:32:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.93	152	278266	20.00	ng	0.00
21) Naphthalene-d8	8.21	136	1043971	20.00	ng	0.00
39) Acenaphthene-d10	9.97	164	509056	20.00	ng	0.00
64) Phenanthrene-d10	11.46	188	829343	20.00	ng	0.00
76) Chrysene-d12	14.12	240	634758	20.00	ng	0.00
87) Perylene-d12	15.63	264	756226	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.54	112	1374350	89.40	ng	0.00
7) Phenol-d6	6.55	99	1696707	89.51	ng	0.00
23) Nitrobenzene-d5	7.49	82	1049360	59.34	ng	0.00
42) 2,4,6-Tribromophenol	10.76	330	420501	84.44	ng	0.00
45) 2-Fluorobiphenyl	9.29	172	1924009	74.57	ng	0.00
79) Terphenyl-d14	13.06	244	1776823	57.62	ng	0.00

Target Compounds

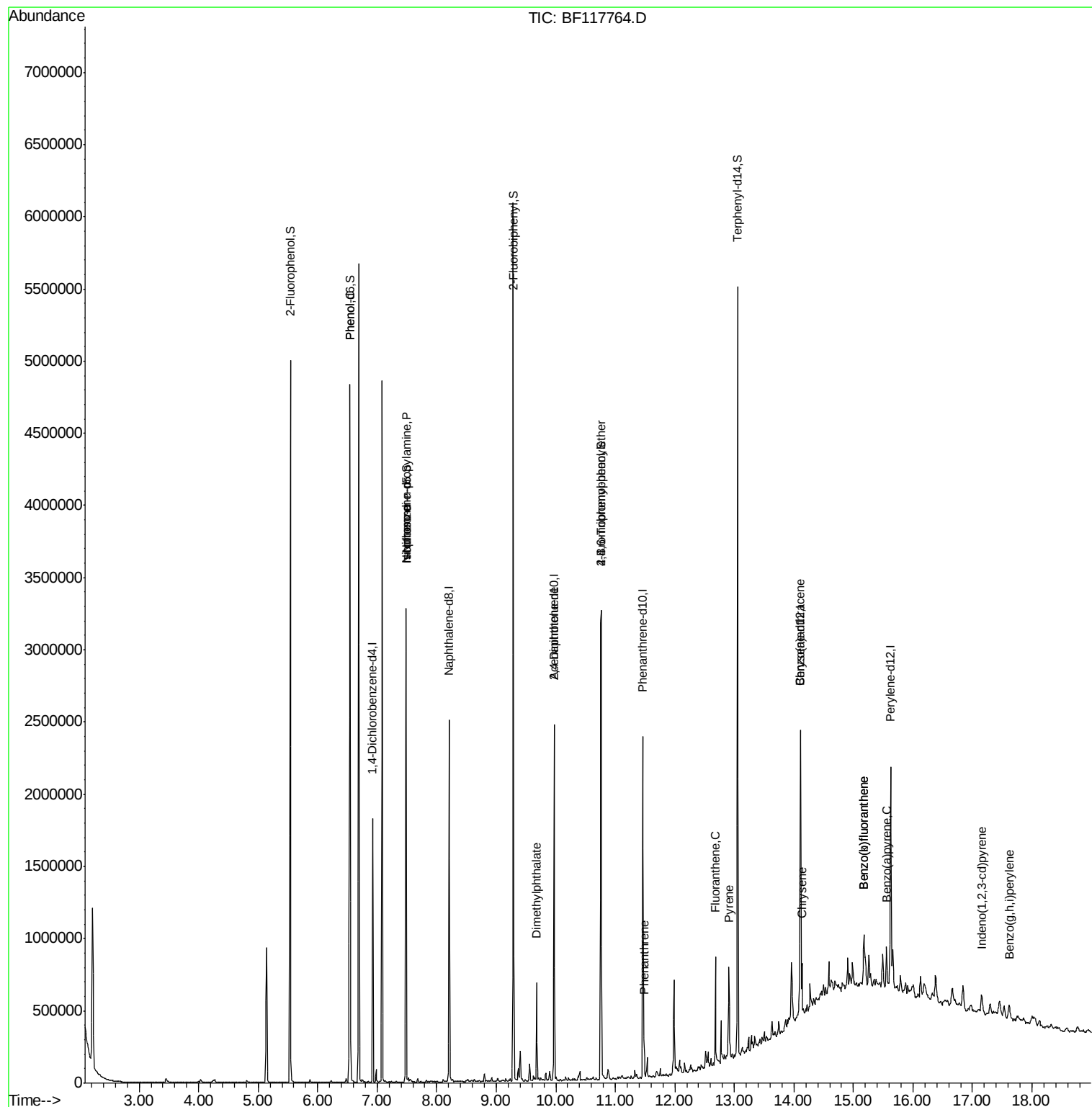
						Qvalue
10) Phenol	6.55	94	89021	4.359	ng	85
19) n-Nitroso-di-n-propylamine	7.49	70	144419	11.588	ng	# 74
25) Isophorone	7.49	82	1045169	30.903	ng	# 63
50) Dimethylphthalate	9.68	163	239371	6.956	ng	97
57) 2,4-Dinitrotoluene	9.97	165	67087	6.787	ng	# 24
67) 4-Bromophenyl-phenylether	10.76	248	26355	2.910	ng	# 1
71) Phenanthrene	11.49	178	84770	2.132	ng	96
75) Fluoranthene	12.68	202	261481	6.442	ng	97
78) Pyrene	12.91	202	238488	5.147	ng	95
81) Benzo(a)anthracene	14.10	228	155900	3.946	ng	98
83) Chrysene	14.14	228	148262	3.800	ng	97
86) Indeno(1,2,3-cd)pyrene	17.15	276	92080	2.535	ng	95
88) Benzo(b)fluoranthene	15.17	252	271821	5.707	ng	# 89
89) Benzo(k)fluoranthene	15.17	252	271821	6.399	ng	# 90
90) Benzo(a)pyrene	15.56	252	142307	3.447	ng	# 95
92) Benzo(g,h,i)perylene	17.62	276	84419	2.352	ng	96

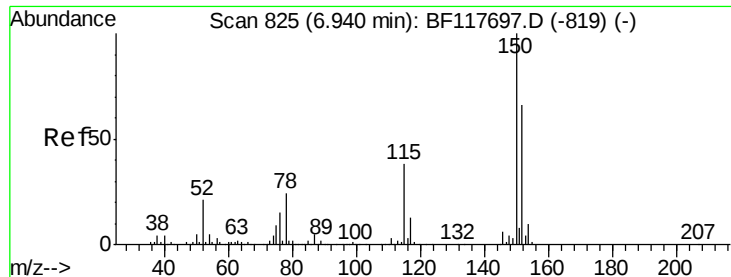
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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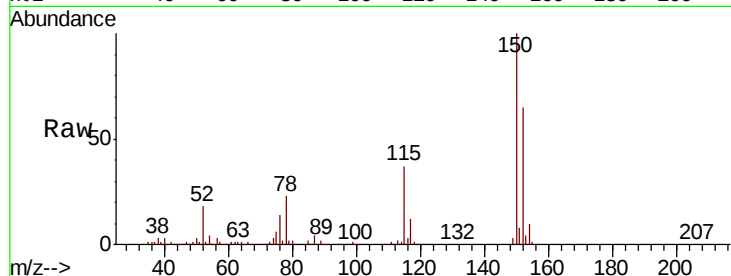


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.93 min Scan# 823
Delta R.T. -0.00 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
152	100		
150	153.2	126.6	190.0
115	57.3	47.6	71.4

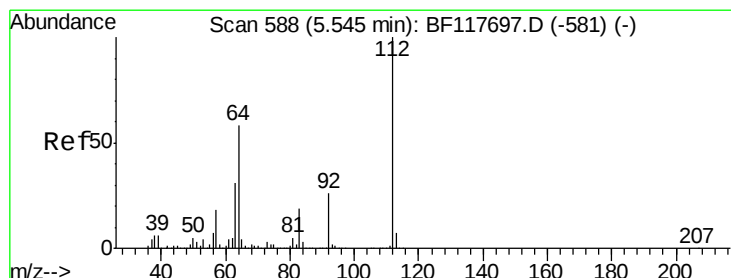
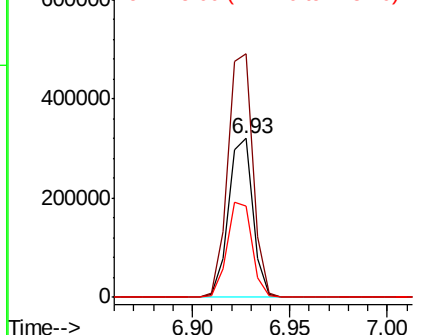
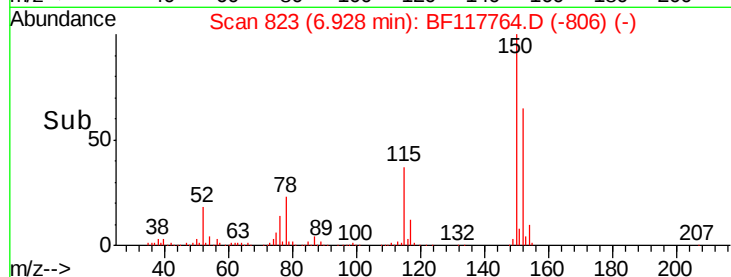


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

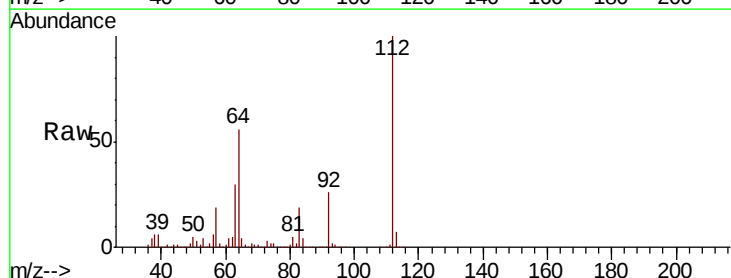
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 89.403 ng
RT: 5.54 min Scan# 587
Delta R.T. -0.00 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Tgt Ion	Ratio	Lower	Upper
112	100		
64	56.4	43.5	65.3
63	30.3	23.5	35.3

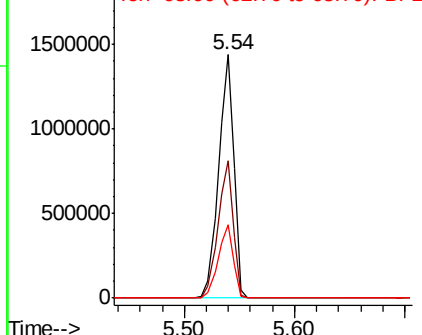
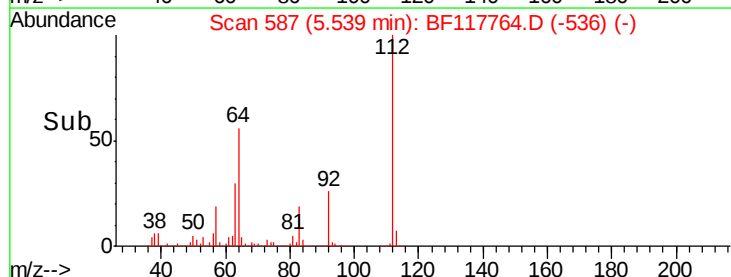


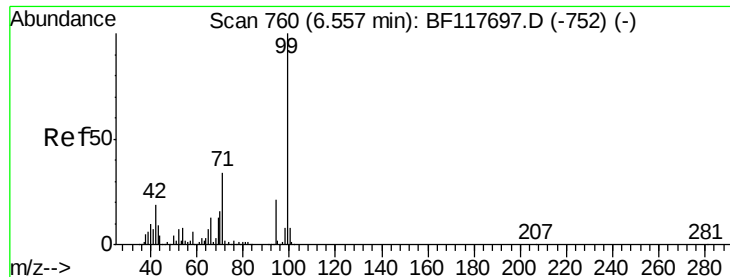
Abundance

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: 89.514 ng

RT: 6.55 min Scan# 758

Delta R.T. -0.00 min

Lab File: BF117764.D

Acq: 12 Nov 2019 17:22

Instrument :

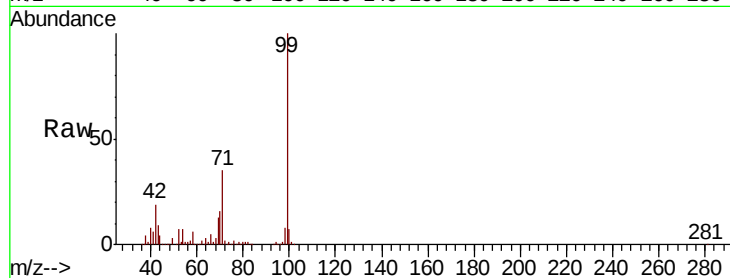
BNA_F

ClientSampleId :

WC-1

Tot Ion: 99 Resp: 1696707

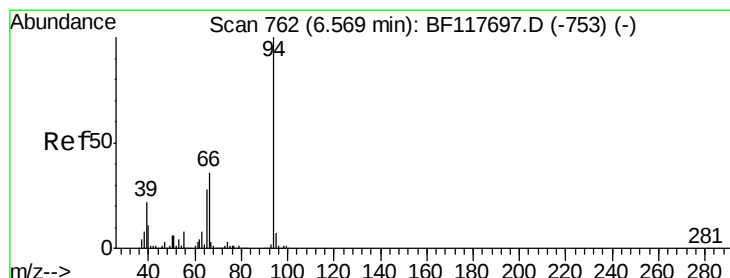
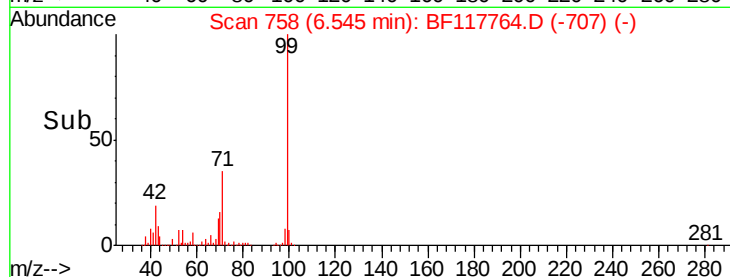
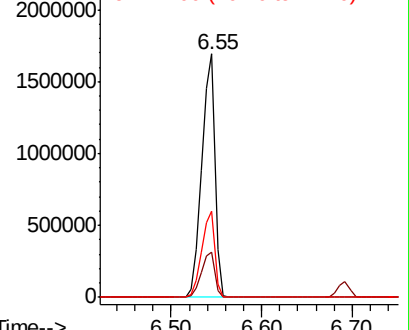
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.3	22.9
71	35.3	28.2	42.2



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 4.359 ng

RT: 6.55 min Scan# 759

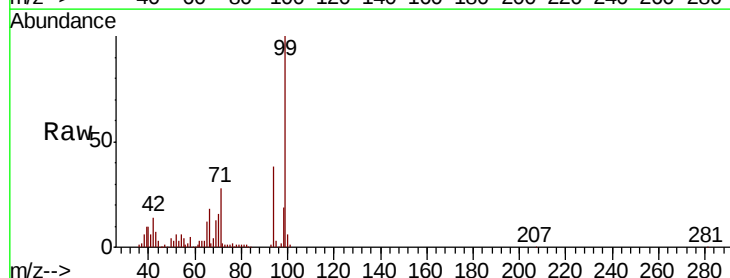
Delta R.T. -0.01 min

Lab File: BF117764.D

Acq: 12 Nov 2019 17:22

Tgt Ion: 94 Resp: 89021

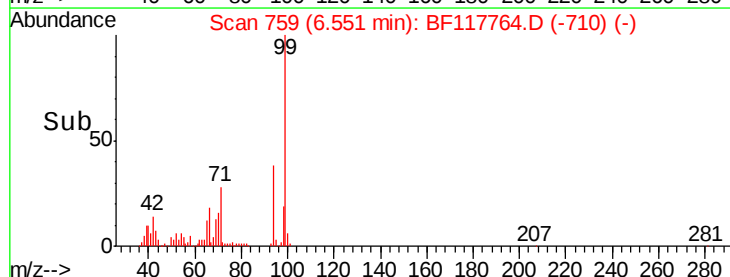
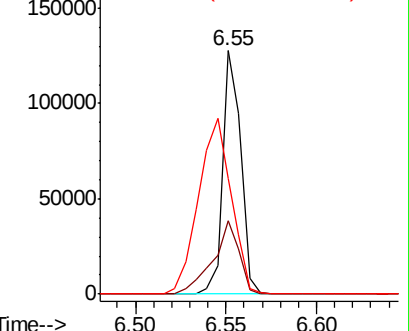
Ion	Ratio	Lower	Upper
94	100		
65	30.1	6.4	46.4
66	47.5	14.9	54.9

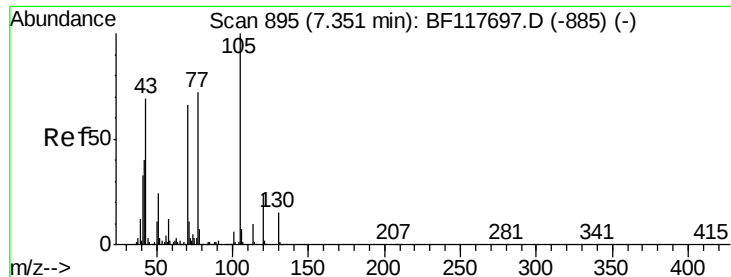


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

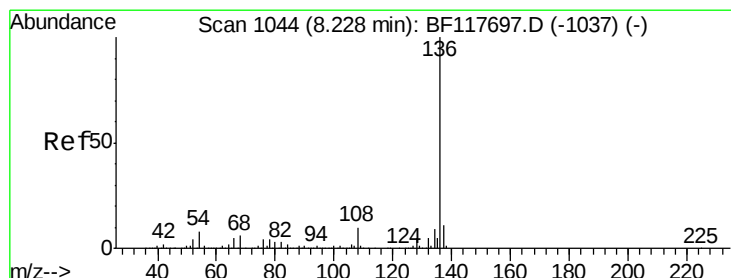
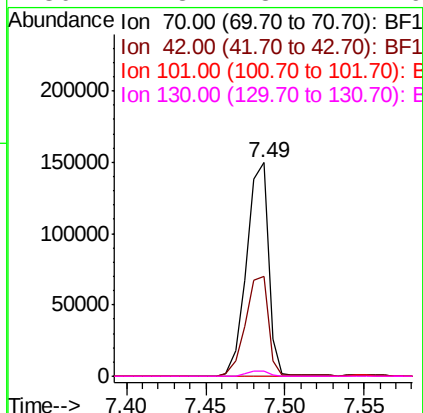
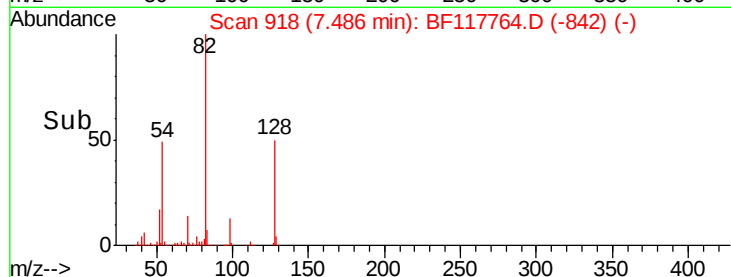
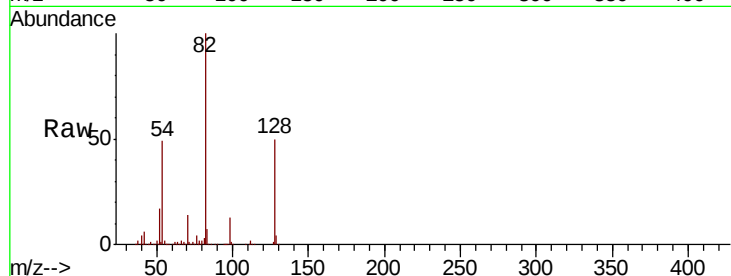




#19
n-Nitroso-di-n-propylamine
Concen: 11.588 ng
RT: 7.49 min Scan# 918
Delta R.T. 0.15 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

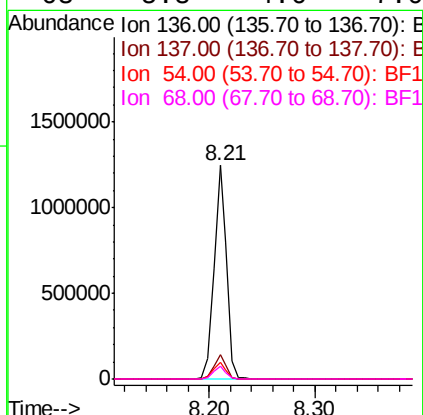
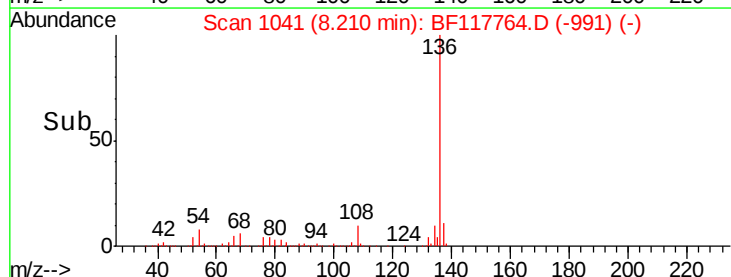
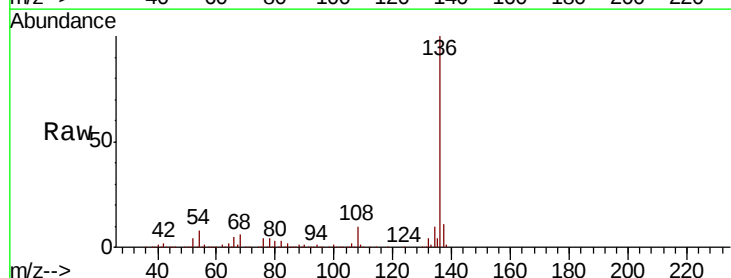
Instrument :
BNA_F
ClientSampleId :
WC-1

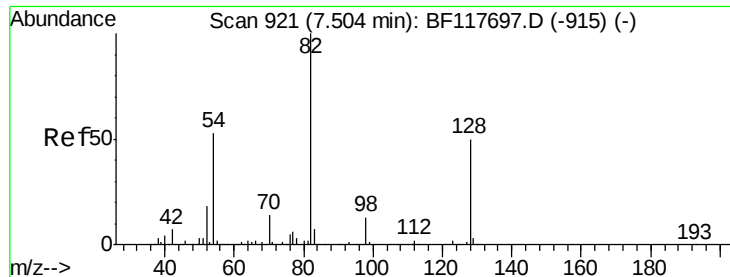
Tot Ion: 70 Resp: 144419
Ion Ratio Lower Upper
70 100
42 46.5 48.7 73.1#
101 0.0 8.4 12.6#
130 2.3 18.4 27.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.21 min Scan# 1041
Delta R.T. -0.01 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Tgt Ion: 136 Resp: 1043971
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.6
54 7.6 6.1 9.1
68 5.8 4.6 7.0

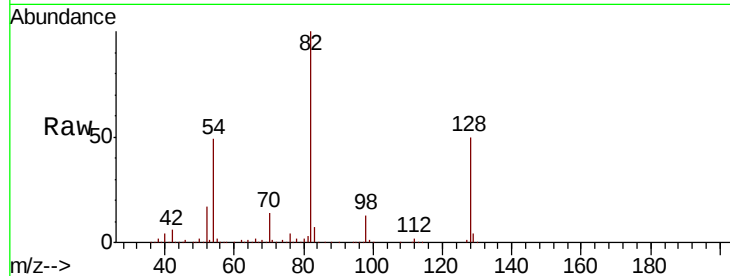




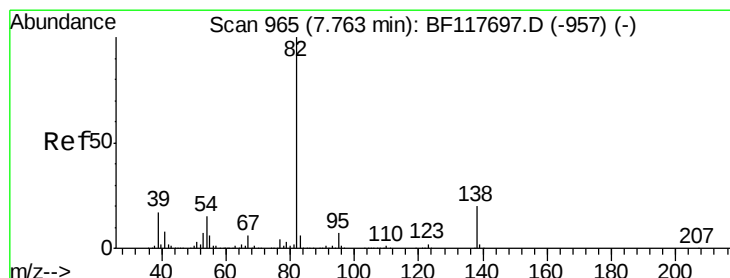
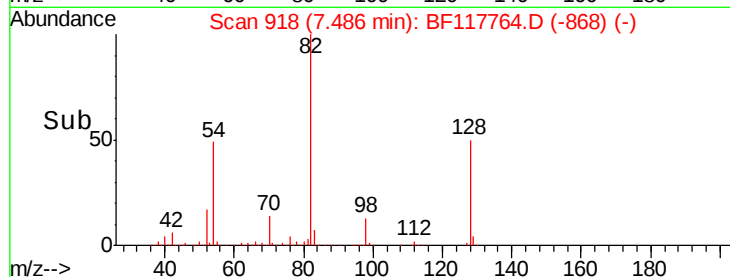
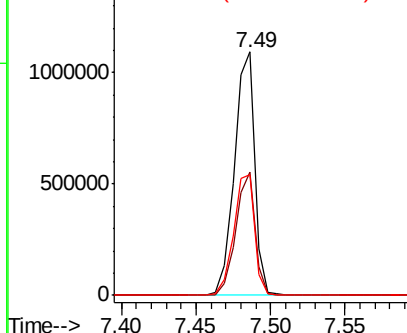
#23
Nitrobenzene-d5
Concen: 59.344 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.01 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion: 82 Resp: 1049360
Ion Ratio Lower Upper
82 100
128 50.4 38.7 58.1
54 49.4 41.4 62.2

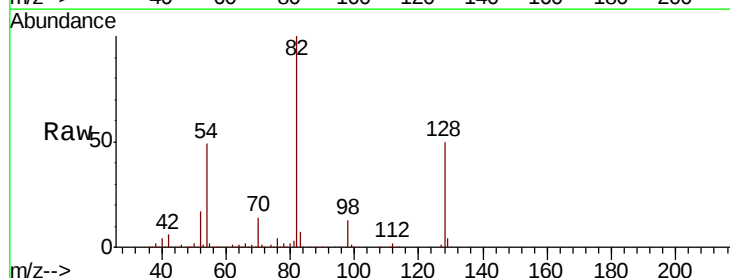


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

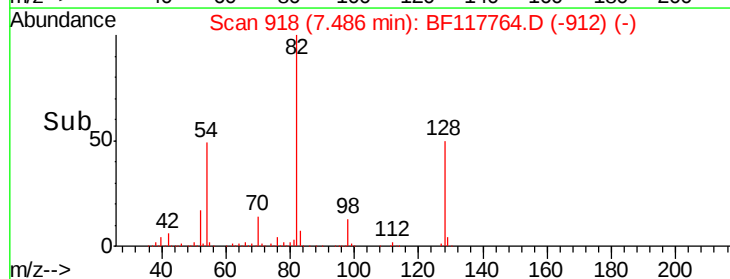
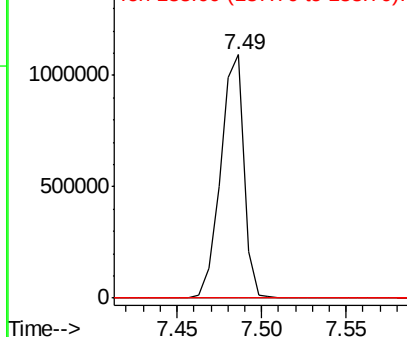


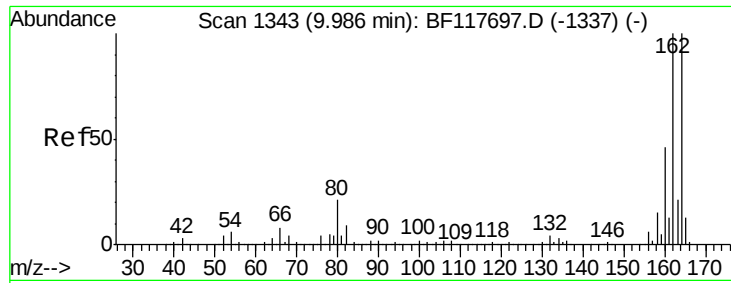
#25
Isophorone
Concen: 30.903 ng
RT: 7.49 min Scan# 918
Delta R.T. -0.26 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Tgt Ion: 82 Resp: 1045169
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 16.0 24.0#



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

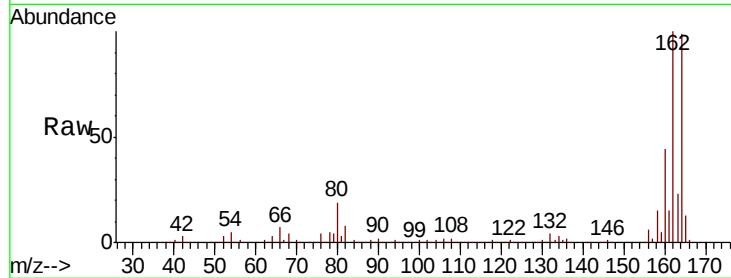




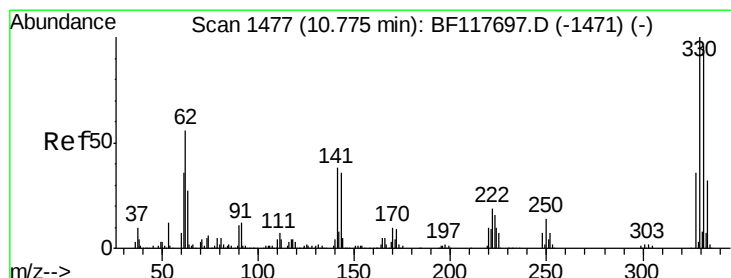
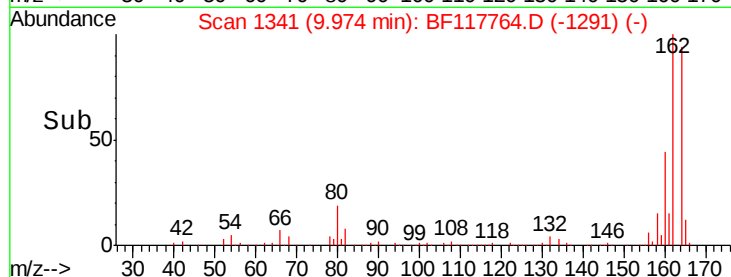
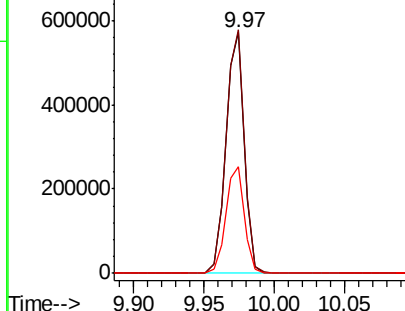
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.01 min
 Lab File: BF117764.D
 Acq: 12 Nov 2019 17:22

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tot Ion:164	Resp:	509056
Ion Ratio	Lower	Upper
164	100	
162	101.2	81.2 121.8
160	44.4	36.3 54.5

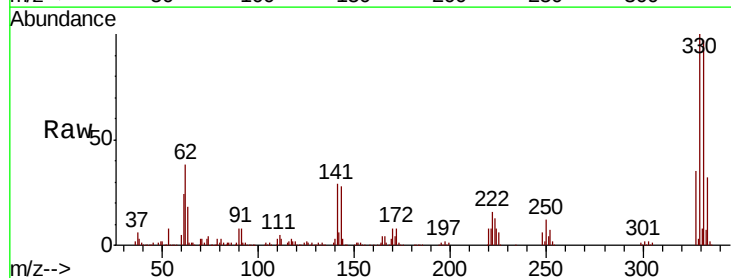


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

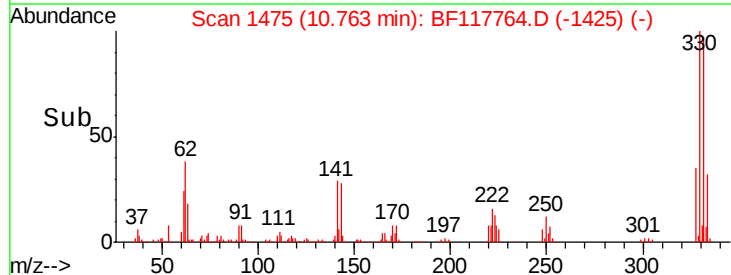
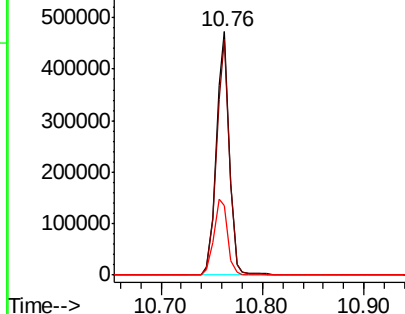


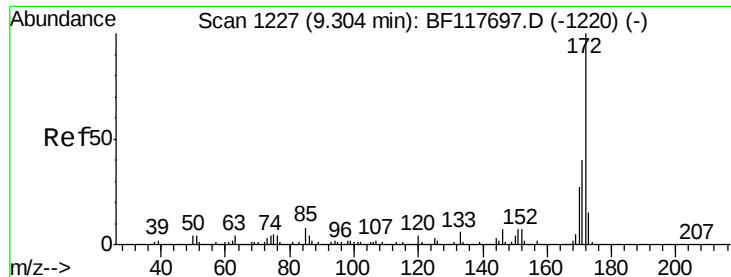
#42
 2,4,6-Tribromophenol
 Concen: 84.443 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: BF117764.D
 Acq: 12 Nov 2019 17:22

Tgt Ion:330	Resp:	420501
Ion Ratio	Lower	Upper
330	100	
332	96.0	76.9 115.3
141	33.8	26.5 39.7



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

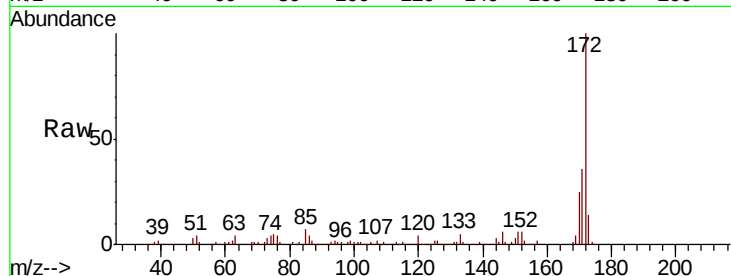




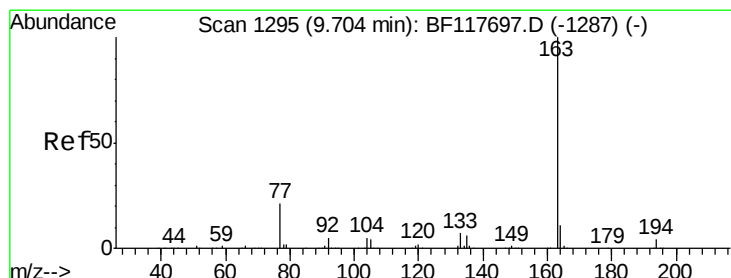
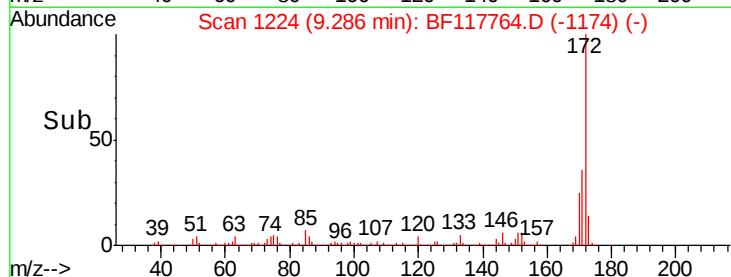
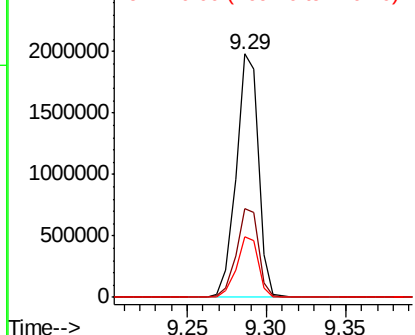
#45
2-Fluorobiphenyl
Concen: 74.571 ng
RT: 9.29 min Scan# 1224
Delta R.T. -0.01 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Instrument :
BNA_F
ClientSampled :
WC-1

Tot Ion:172 Resp: 1924009
Ion Ratio Lower Upper
172 100
171 36.3 30.7 46.1
170 24.7 20.6 30.8

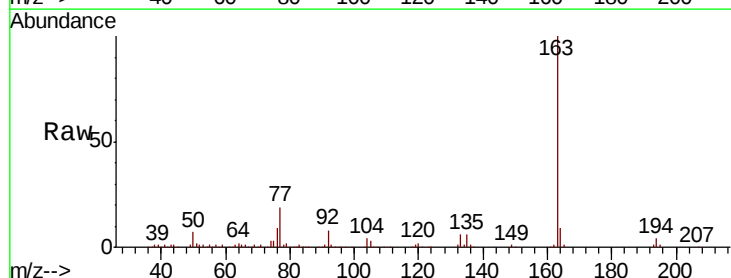


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

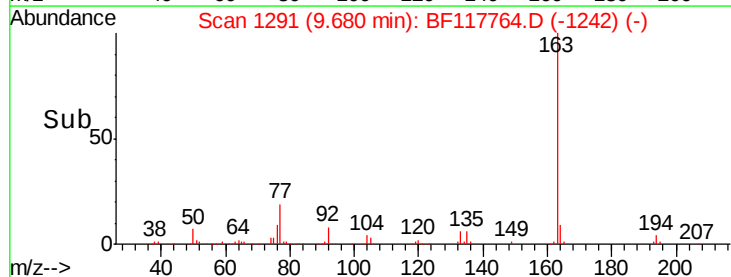
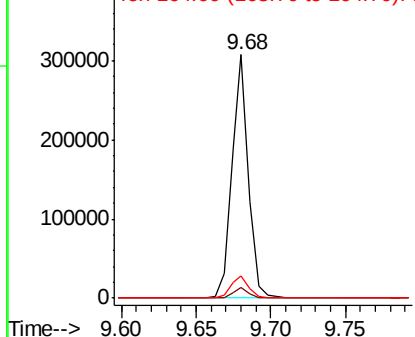


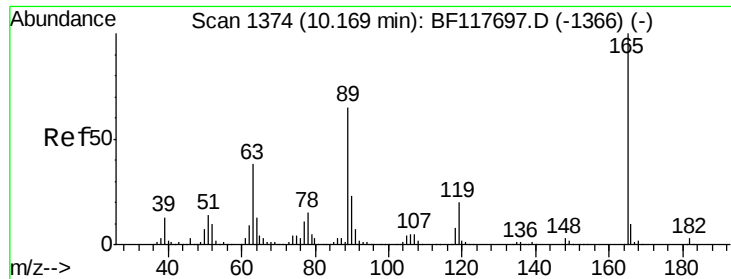
#50
Dimethylphthalate
Concen: 6.956 ng
RT: 9.68 min Scan# 1291
Delta R.T. -0.01 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Tgt Ion:163 Resp: 239371
Ion Ratio Lower Upper
163 100
194 4.3 3.2 4.8
164 9.2 8.6 13.0



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

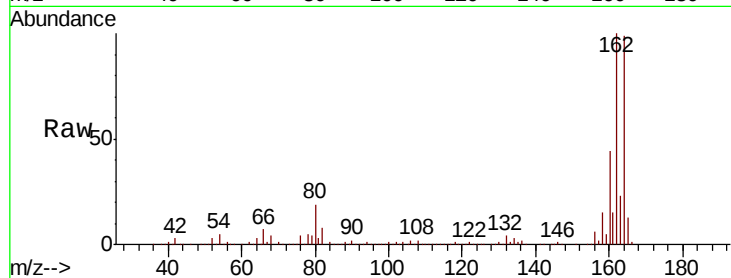




#57
 2,4-Dinitrotoluene
 Concen: 6.787 ng
 RT: 9.97 min Scan# 1341
 Delta R.T. -0.18 min
 Lab File: BF117764.D
 Acq: 12 Nov 2019 17:22

Instrument :
 BNA_F
 ClientSampled :
 WC-1

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.0	34.4	51.6#
89	1.4	57.8	86.8#
182	0.0	2.3	3.5#

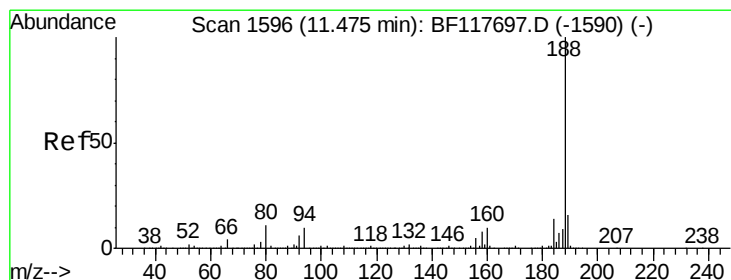
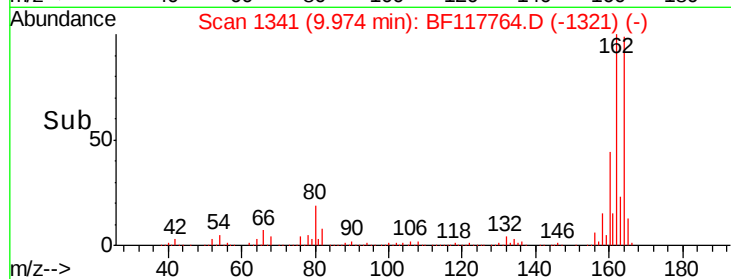
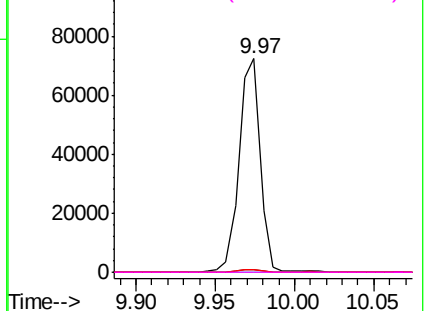


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

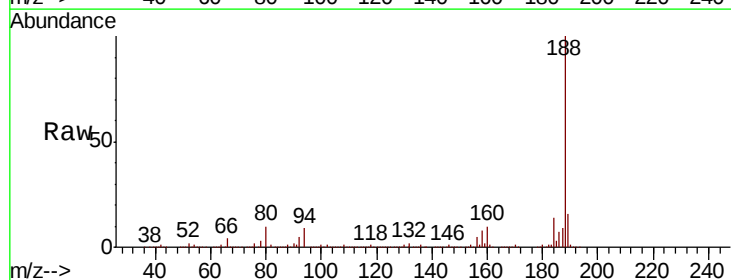
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.46 min Scan# 1594
 Delta R.T. -0.01 min
 Lab File: BF117764.D
 Acq: 12 Nov 2019 17:22

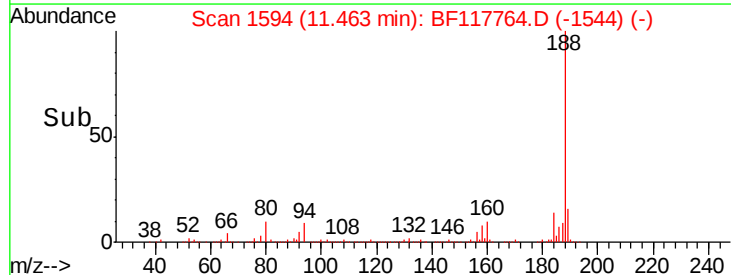
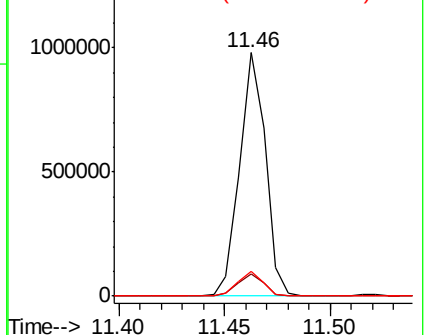
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.4	11.2
80	10.4	8.1	12.1

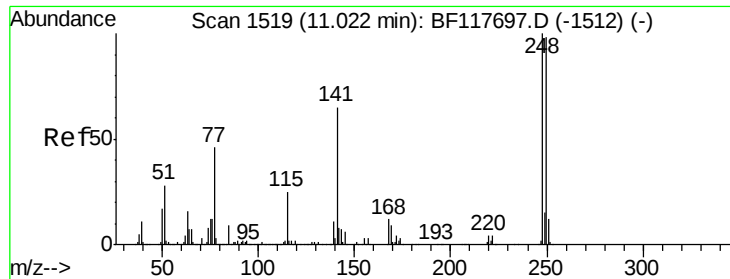


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

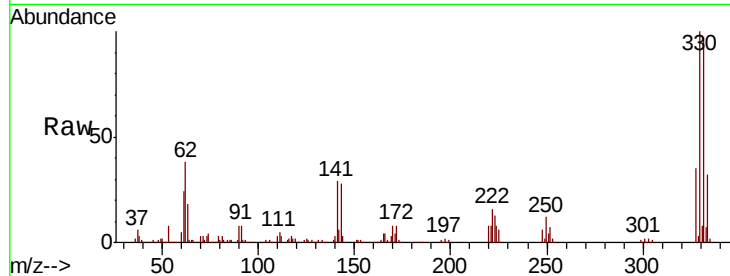




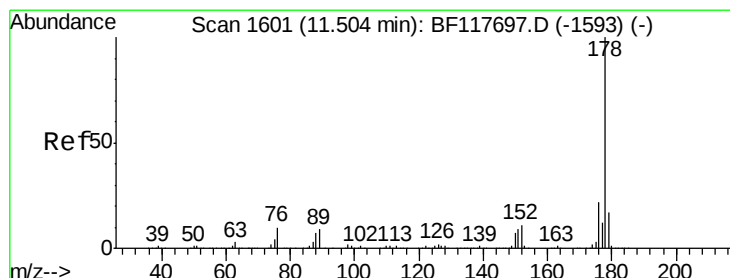
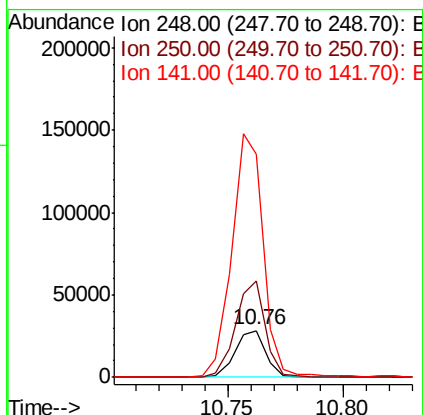
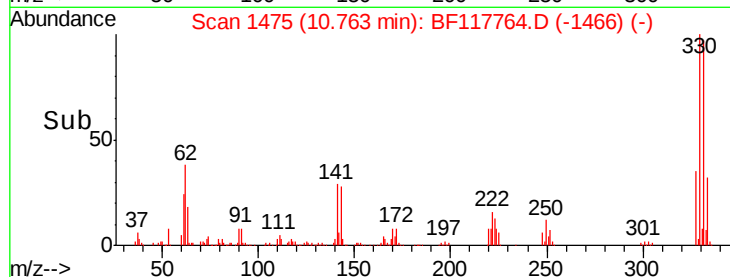
#67
 4-Bromophenyl-phenylether
 Concen: 2.910 ng
 RT: 10.76 min Scan# 1475
 Delta R.T. -0.25 min
 Lab File: BF117764.D
 Acq: 12 Nov 2019 17:22

Instrument :
 BNA_F
 ClientSampleId :
 WC-1

Tot Ion:248 Resp: 26355
 Ion Ratio Lower Upper
 248 100
 250 205.3 77.8 116.6#
 141 477.3 58.6 88.0#

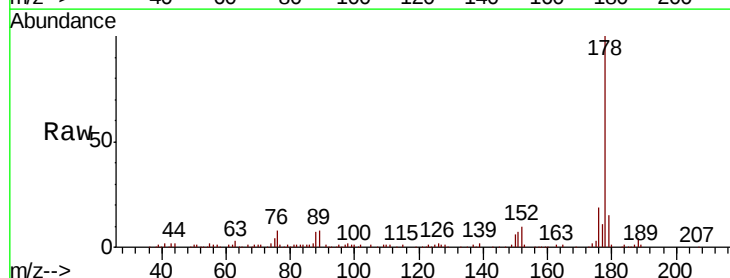


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

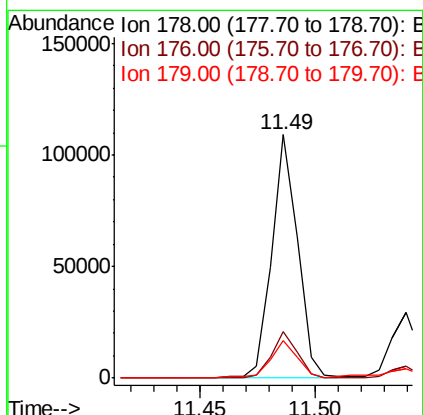
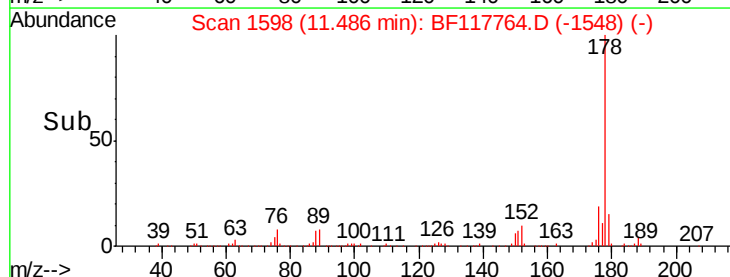


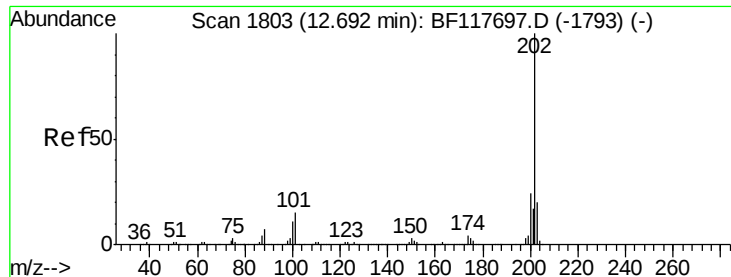
#71
 Phenanthrene
 Concen: 2.132 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.01 min
 Lab File: BF117764.D
 Acq: 12 Nov 2019 17:22

Tgt Ion:178 Resp: 84770
 Ion Ratio Lower Upper
 178 100
 176 19.1 16.8 25.2
 179 15.4 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





#75

Fluoranthene

Concen: 6.442 ng

RT: 12.68 min Scan# 1801

Delta R.T. -0.01 min

Lab File: BF117764.D

Acq: 12 Nov 2019 17:22

Instrument :

BNA_F

ClientSampleId :

WC-1

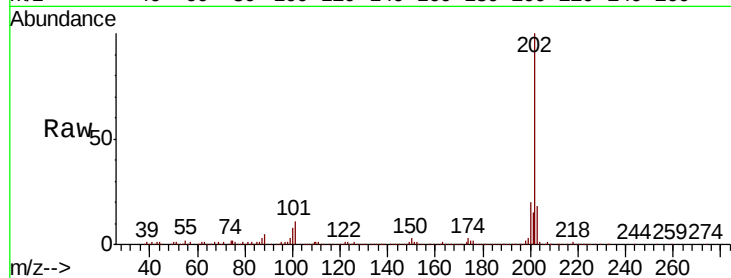
Tot Ion:202 Resp: 261481

Ion Ratio Lower Upper

202 100

101 11.0 0.0 32.5

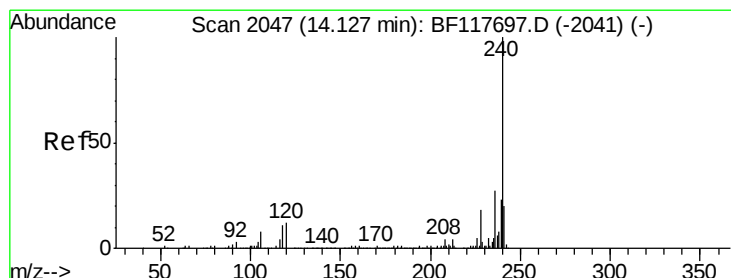
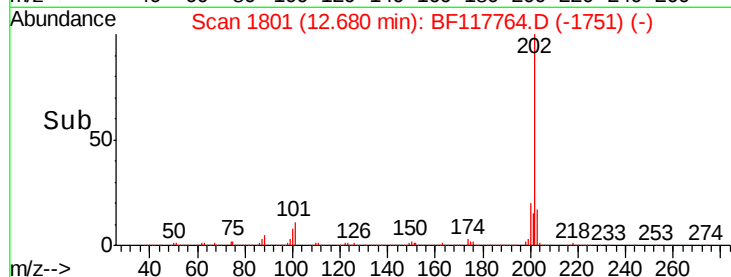
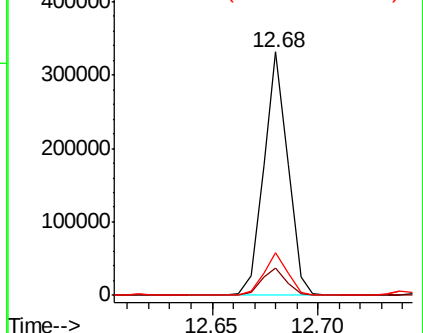
203 17.6 0.0 38.9



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: 14.12 min Scan# 2045

Delta R.T. -0.01 min

Lab File: BF117764.D

Acq: 12 Nov 2019 17:22

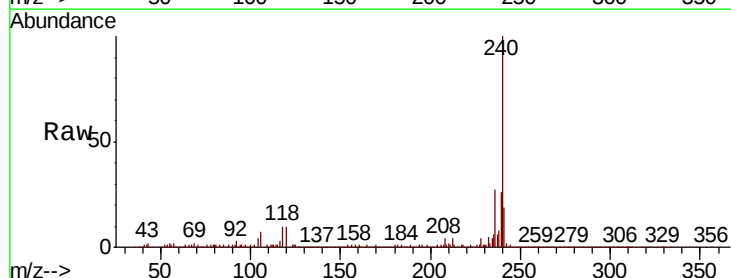
Tgt Ion:240 Resp: 634758

Ion Ratio Lower Upper

240 100

120 10.1 9.3 13.9

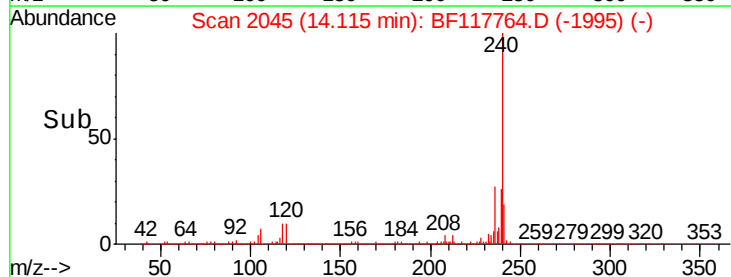
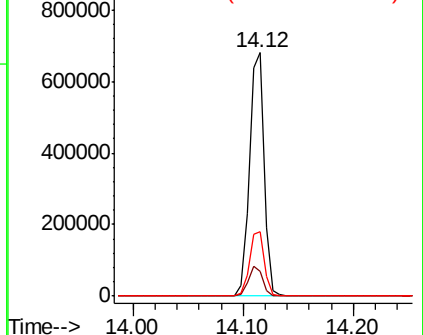
236 26.6 21.4 32.0

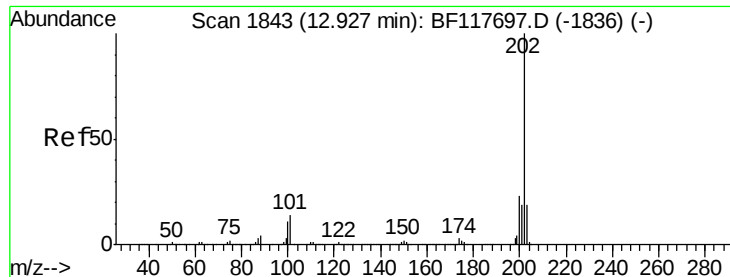


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

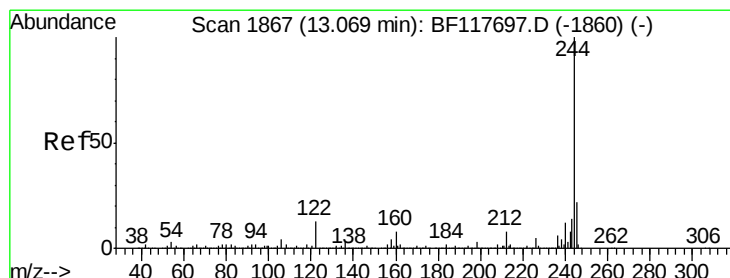
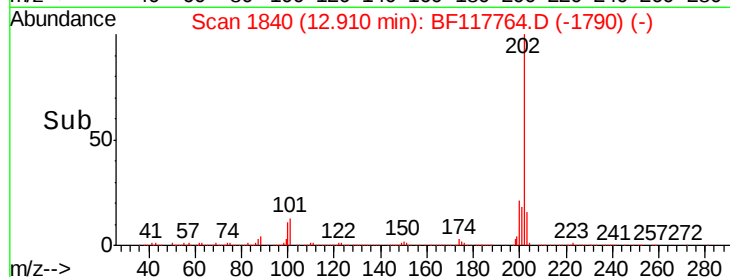
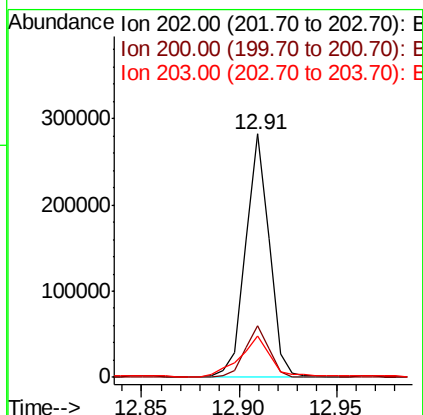
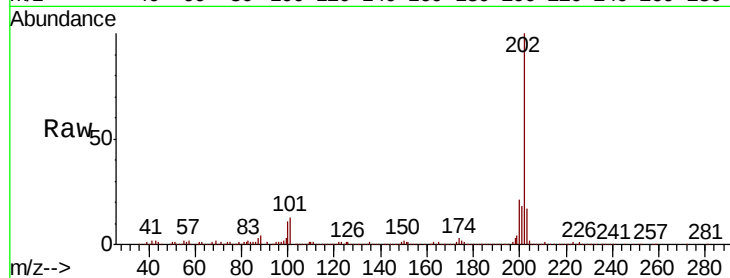




#78
Pvrene
Concen: 5.147 ng
RT: 12.91 min Scan# 1840
Delta R.T. -0.01 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

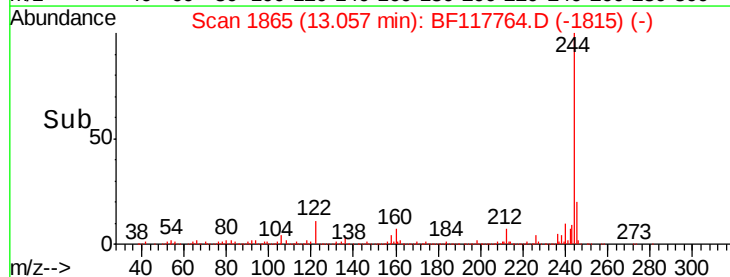
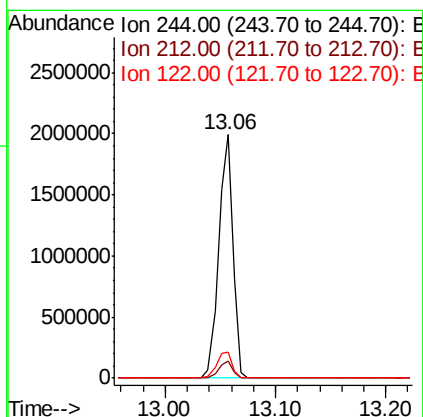
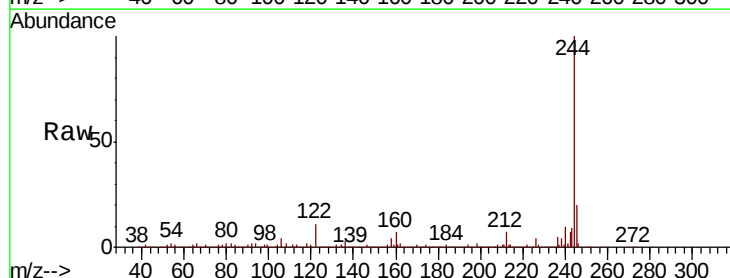
Instrument :
BNA_F
ClientSampleId :
WC-1

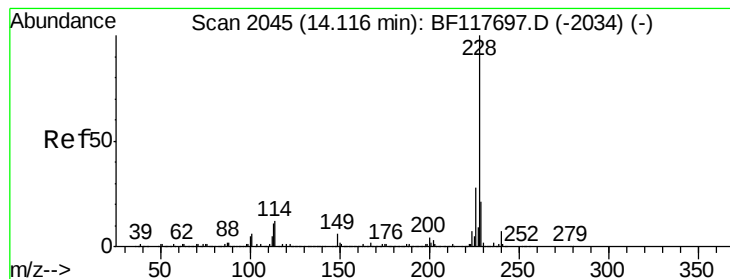
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.1	18.9	28.3
203	17.0	15.3	22.9



#79
Terphenyl-d14
Concen: 57.624 ng
RT: 13.06 min Scan# 1865
Delta R.T. -0.01 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	6.2	9.4
122	10.9	9.1	13.7





#81

Benzo(a)anthracene

Concen: 3.946 ng

RT: 14.10 min Scan# 2043

Delta R.T. -0.01 min

Lab File: BF117764.D

Acq: 12 Nov 2019 17:22

Instrument :

BNA_F

ClientSampleId :

WC-1

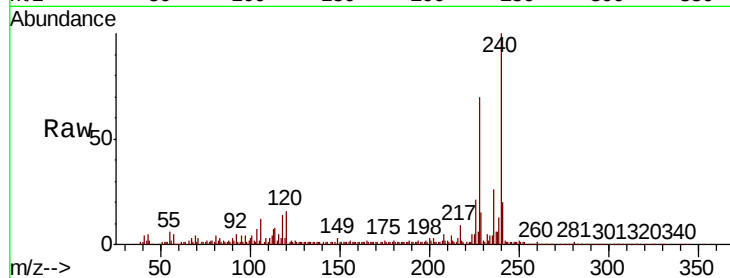
Tot Ion:228 Resp: 155900

Ion Ratio Lower Upper

228 100

226 29.9 22.6 33.8

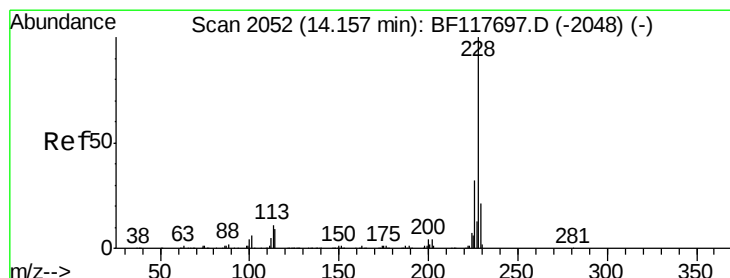
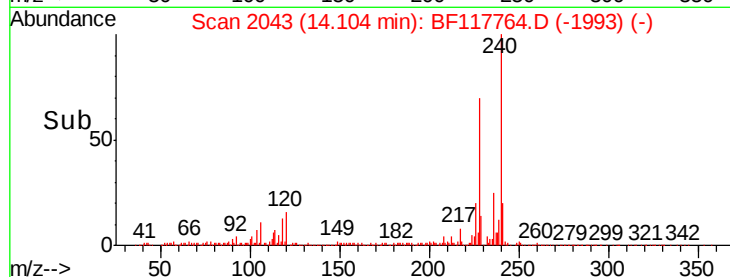
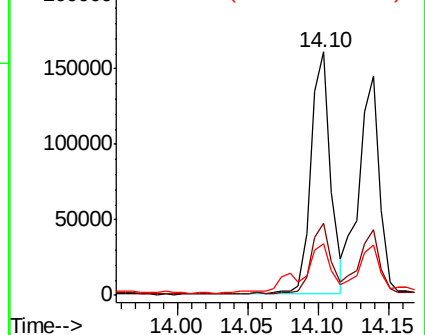
229 21.1 17.0 25.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Chrysene

Concen: 3.800 ng

RT: 14.14 min Scan# 2049

Delta R.T. -0.01 min

Lab File: BF117764.D

Acq: 12 Nov 2019 17:22

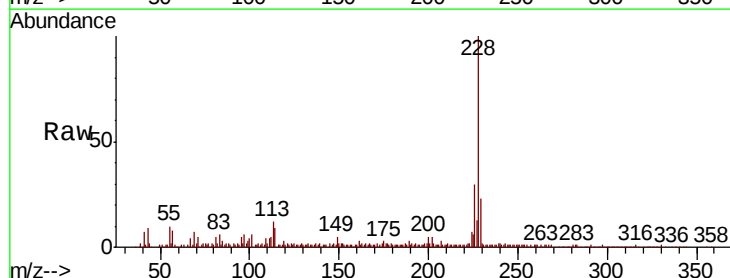
Tgt Ion:228 Resp: 148262

Ion Ratio Lower Upper

228 100

226 30.2 25.1 37.7

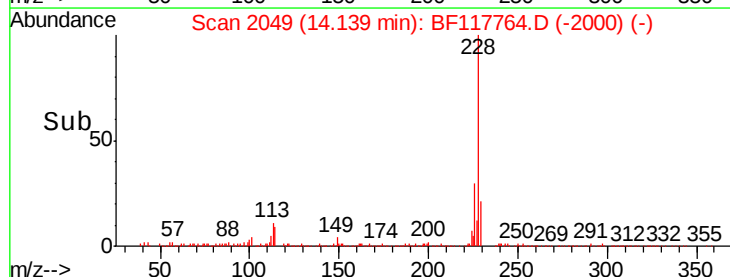
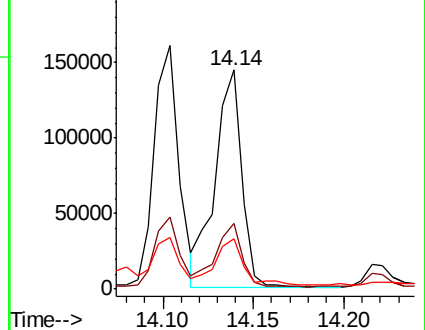
229 22.7 16.6 25.0

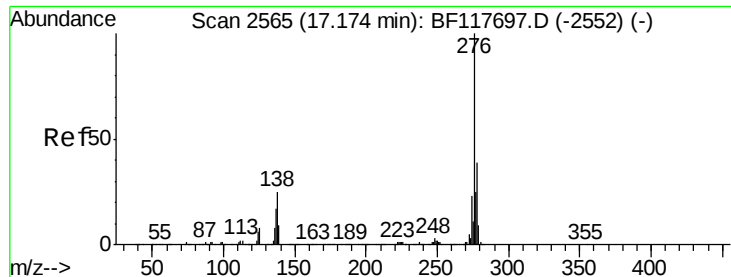


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

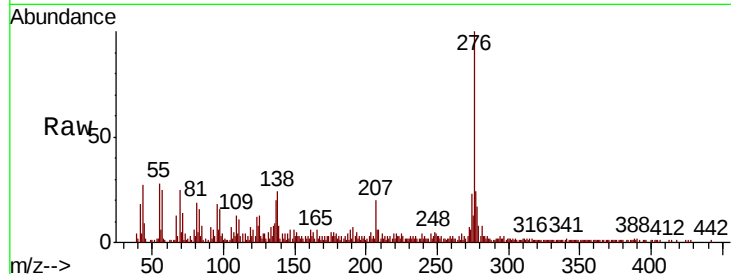




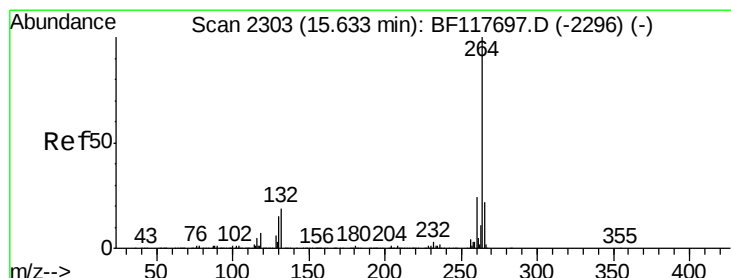
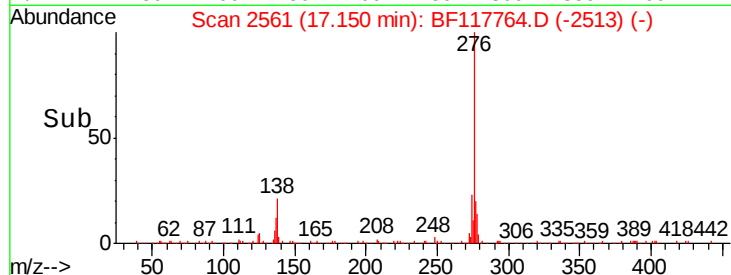
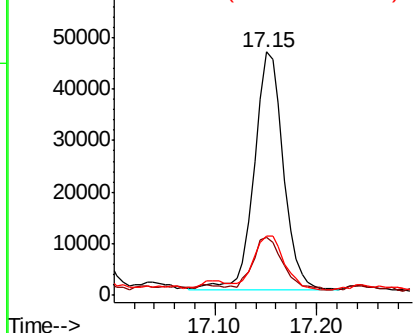
#86
Indeno(1,2,3-cd)pyrene
Concen: 2.535 ng
RT: 17.15 min Scan# 2561
Delta R.T. -0.02 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion:276 Resp: 92080
Ion Ratio Lower Upper
276 100
138 22.8 21.2 31.8
277 23.8 20.1 30.1

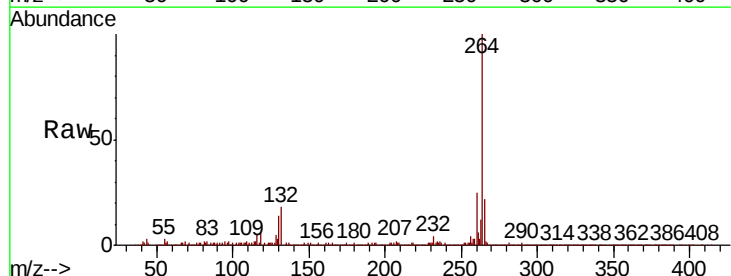


Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

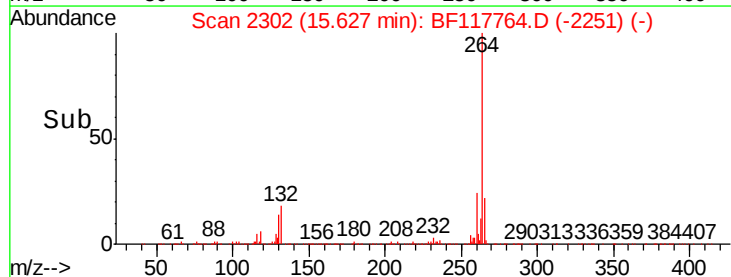
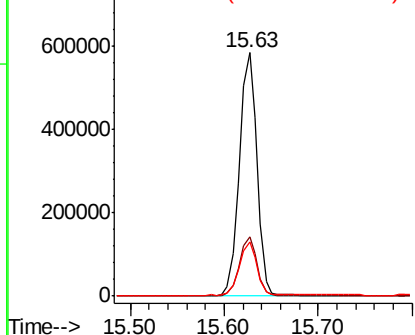


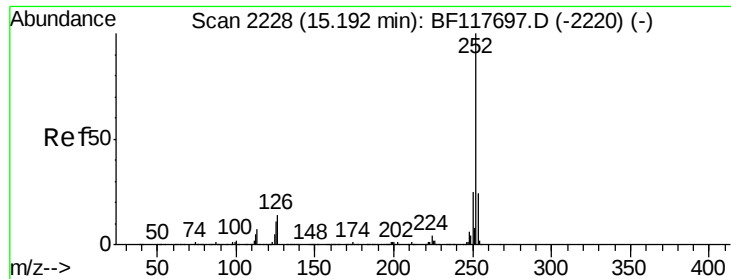
#87
Perylene-d12
Concen: 20.000 ng
RT: 15.63 min Scan# 2302
Delta R.T. -0.00 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Tgt Ion:264 Resp: 756226
Ion Ratio Lower Upper
264 100
260 24.5 19.0 28.6
265 22.5 17.2 25.8



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

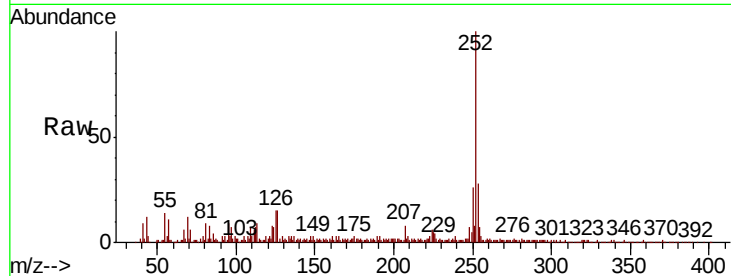




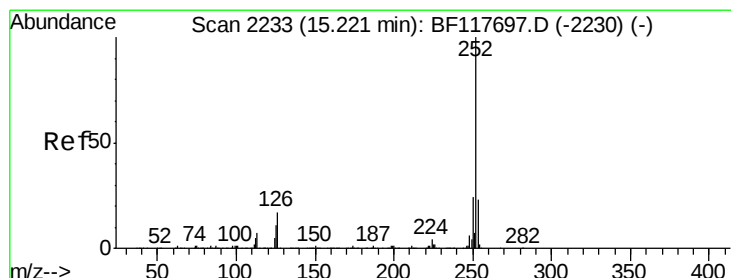
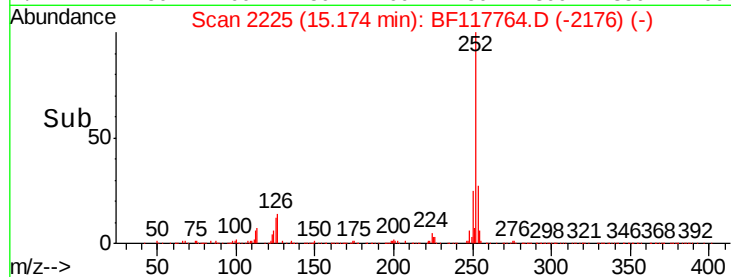
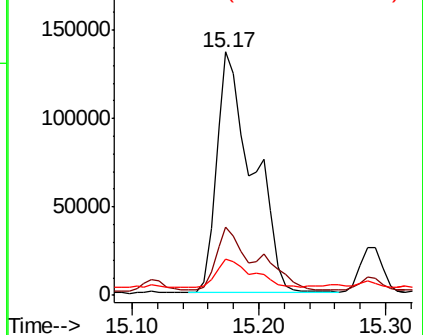
#88
Benzo(b)fluoranthene
Concen: 5.707 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.01 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.3	27.5#
125	15.0	8.4	12.6#

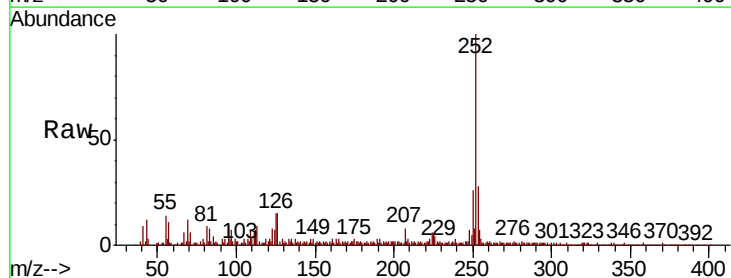


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

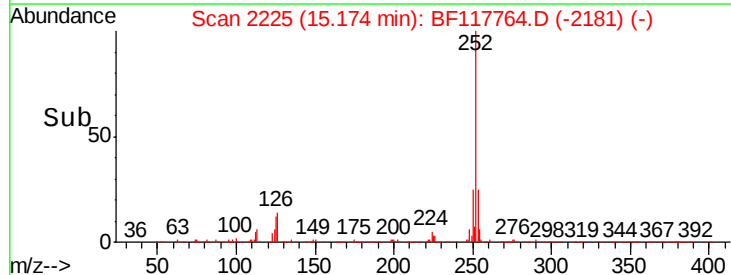
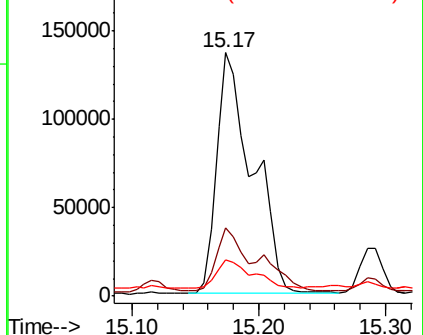


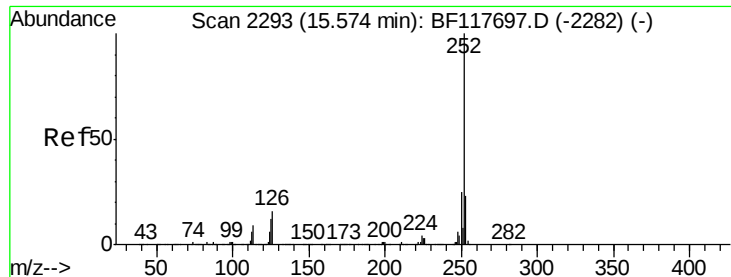
#89
Benzo(k)fluoranthene
Concen: 6.399 ng
RT: 15.17 min Scan# 2225
Delta R.T. -0.04 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.0	18.6	28.0#
125	15.0	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

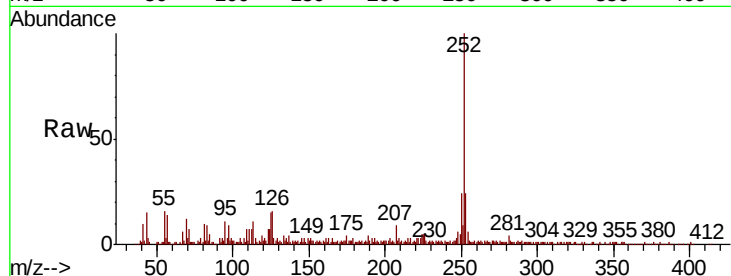




#90
Benzo(a)pyrene
Concen: 3.447 ng
RT: 15.56 min Scan# 2290
Delta R.T. -0.01 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Instrument :
BNA_F
ClientSampleId :
WC-1

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.2	27.2
125	15.5	9.6	14.4

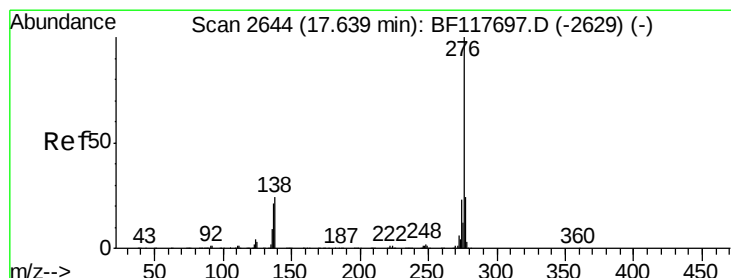
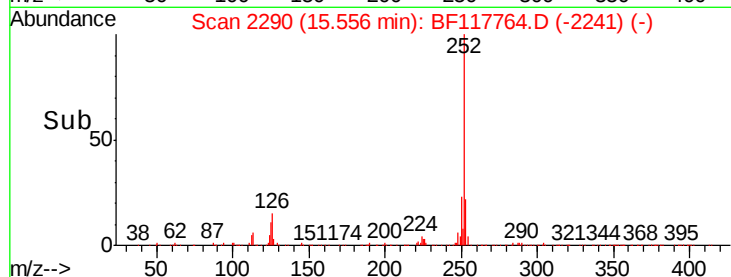
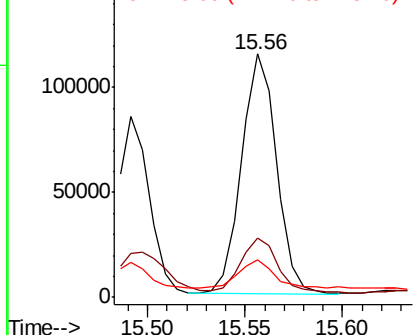


Abundance

Ion 252.00 (251.70 to 252.70): E

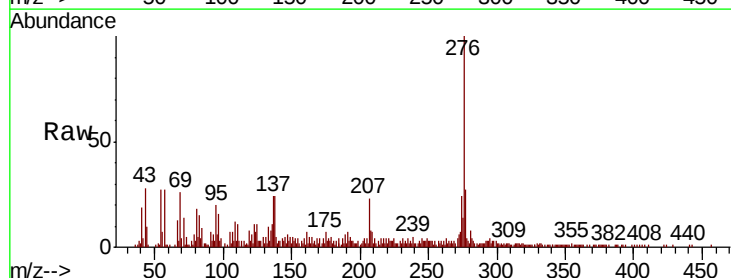
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.352 ng
RT: 17.62 min Scan# 2640
Delta R.T. -0.02 min
Lab File: BF117764.D
Acq: 12 Nov 2019 17:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	26.9	19.0	28.6
138	24.2	18.6	27.8



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

