

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117671.D
 Acq On : 31 Oct 2019 21:07
 Operator : JU
 Sample : K5148-13DL 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 01:23:48 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF101819.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 18:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.73	152	37448	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	164253	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	76215	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	102589	20.00	ng	0.00
76) Chrysene-d12	13.90	240	77474	20.00	ng	0.00
87) Perylene-d12	15.34	264	66987	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.38	112	36996	14.70	ng	0.03
7) Phenol-d6	6.41	99	59914	17.72	ng	0.03
23) Nitrobenzene-d5	7.32	82	32714	9.83	ng	0.01
42) 2,4,6-Tribromophenol	10.57	330	8293	12.58	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	60436	11.17	ng	0.00
79) Terphenyl-d14	12.83	244	42352	8.92	ng	0.00

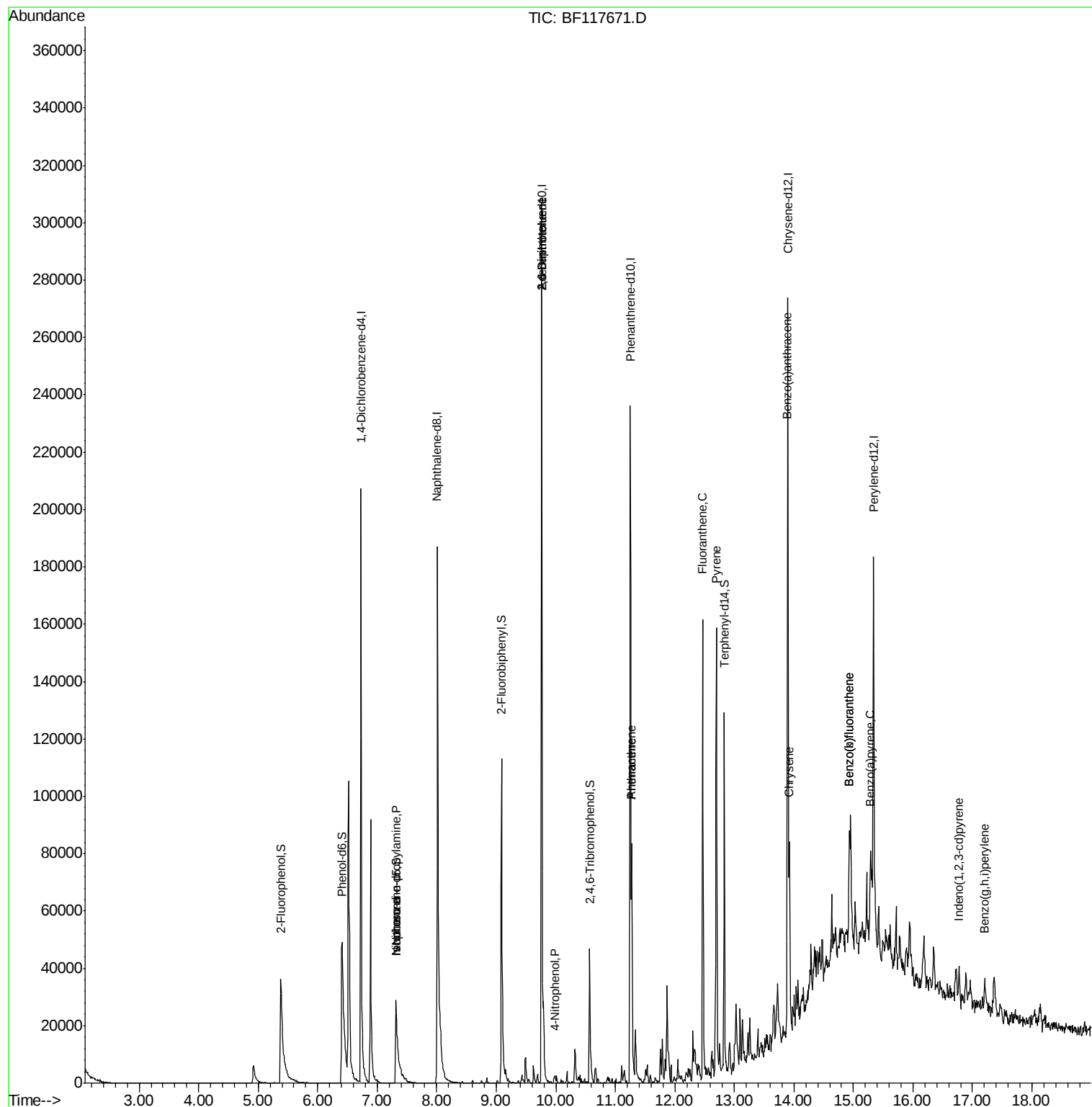
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.52	77	1140	Below Cal		# 52
19) n-Nitroso-di-n-propylamine	7.32	70	4315	2.090	ng	# 79
25) Isophorone	7.32	82	32714	5.684	ng	# 65
51) 2,6-Dinitrotoluene	9.76	165	9983	8.805	ng	# 22
56) 4-Nitrophenol	9.99	139	1027	5.668	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	9983	6.623	ng	# 12
71) Phenanthrene	11.27	178	34963	5.869	ng	99
72) Anthracene	11.27	178	34963	5.720	ng	100
75) Fluoranthene	12.47	202	73043	12.249	ng	99
77) Benzidine	12.83	184	695	Below Cal		# 67
78) Pyrene	12.70	202	68444	10.285	ng	99
81) Benzo(a)anthracene	13.89	228	26265	5.026	ng	98
83) Chrysene	13.93	228	25719	5.022	ng	96
86) Indeno(1,2,3-cd)pyrene	16.78	276	7850	2.053	ng	96
88) Benzo(b)fluoranthene	14.93	252	30404	7.686	ng	# 93
89) Benzo(k)fluoranthene	14.93	252	30404	7.499	ng	# 92
90) Benzo(a)pyrene	15.29	252	16875	4.692	ng	# 91
92) Benzo(g,h,i)perylene	17.21	276	7375	2.506	ng	95

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

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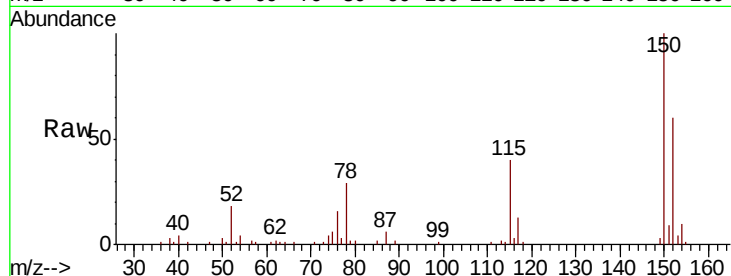


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	165.5	126.8	190.2
115	66.9	51.6	77.4

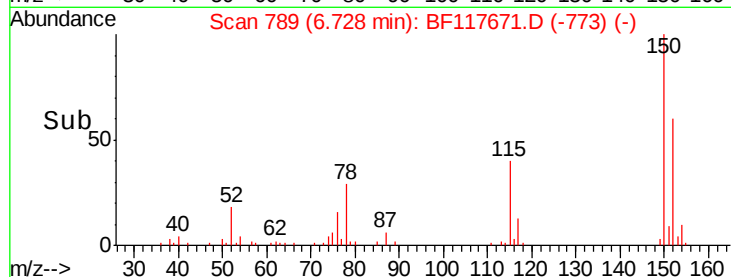
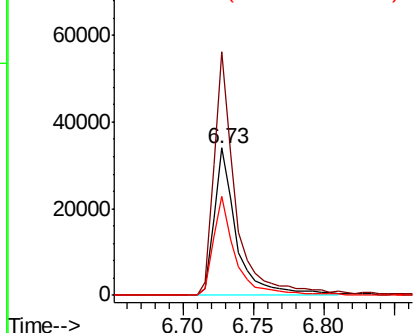


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

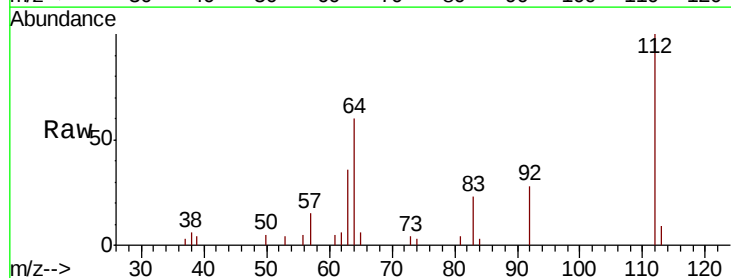
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 14.697 ng
RT: 5.38 min Scan# 560
Delta R.T. 0.03 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	44.1	66.1
63	36.3	23.4	35.2

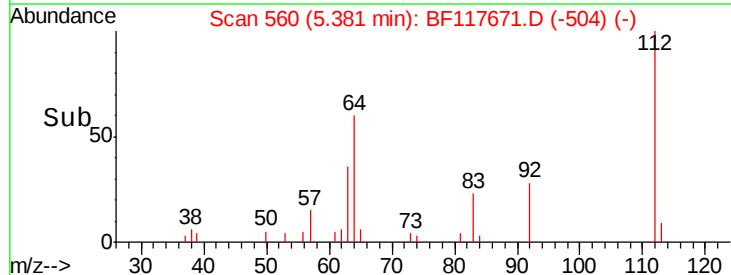
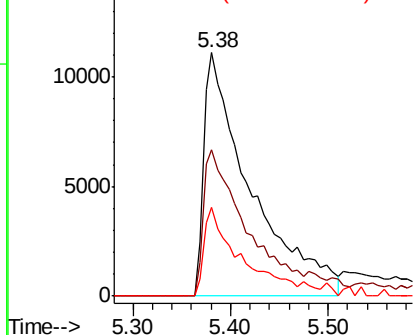


Abundance

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: 17.722 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.03 min

Lab File: BF117671.D

Acq: 31 Oct 2019 21:07

Instrument :

BNA_F

ClientSampled :

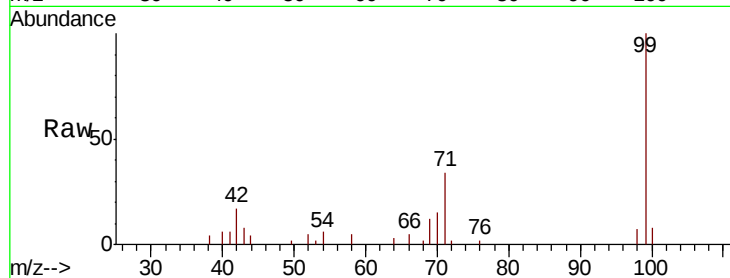
Tot Ion: 99 Resp: 59914

Ion Ratio Lower Upper

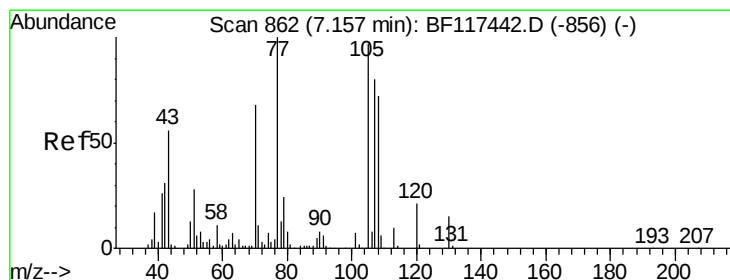
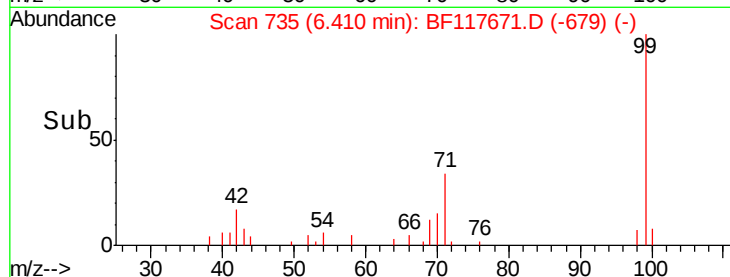
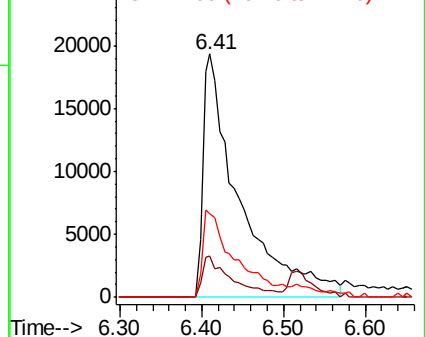
99 100

42 16.8 12.8 19.2

71 34.3 28.6 43.0



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



#19

n-Nitroso-di-n-propylamine

Concen: 2.090 ng

RT: 7.32 min Scan# 889

Delta R.T. 0.16 min

Lab File: BF117671.D

Acq: 31 Oct 2019 21:07

Tgt Ion: 70 Resp: 4315

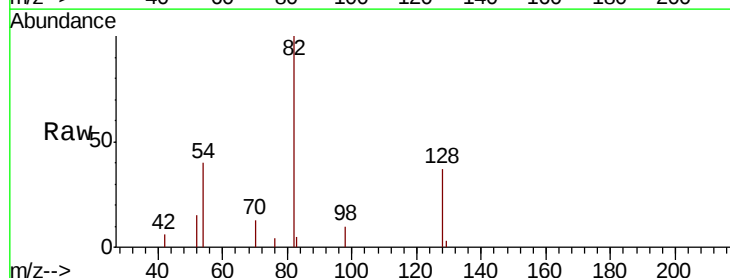
Ion Ratio Lower Upper

70 100

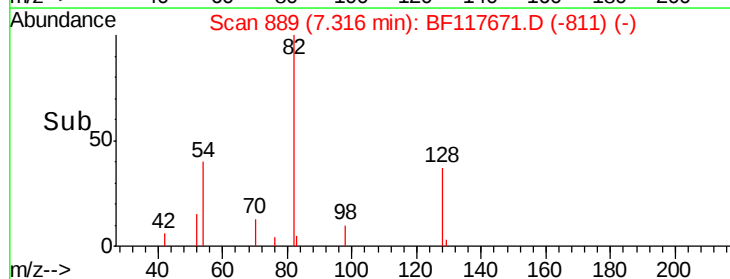
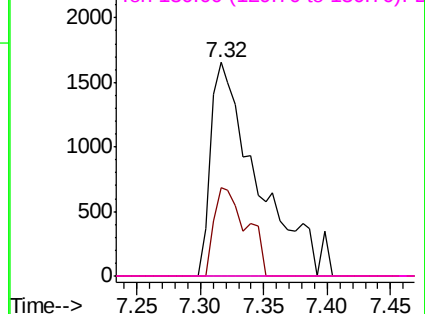
42 41.6 36.7 55.1

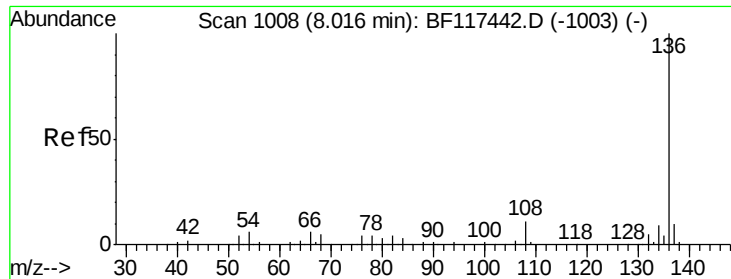
101 0.0 8.3 12.5#

130 0.0 18.1 27.1#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

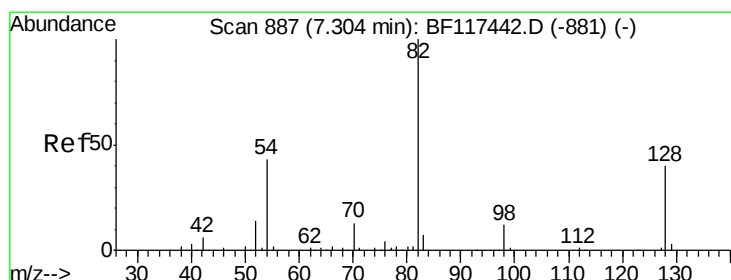
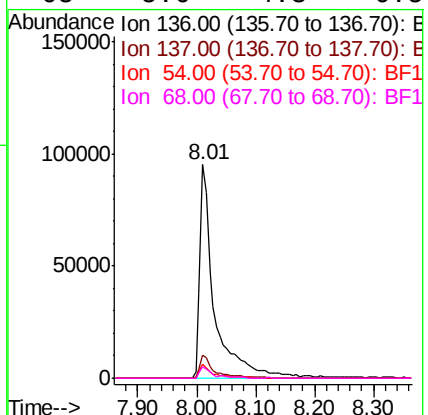
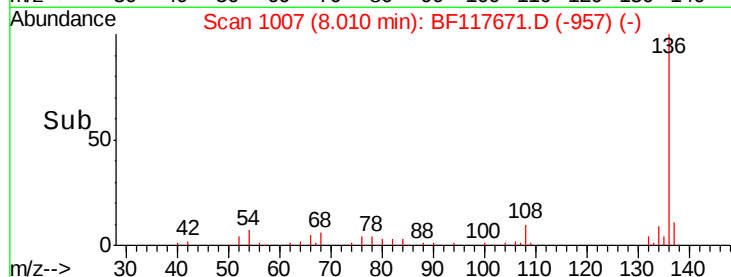
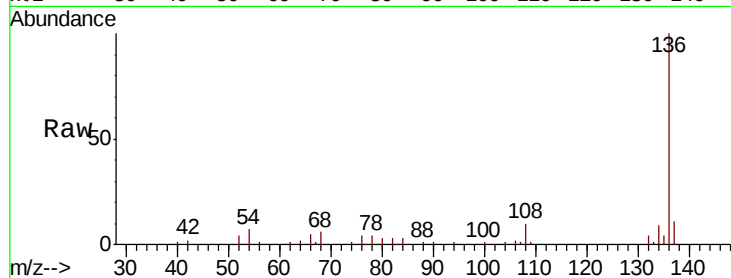




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

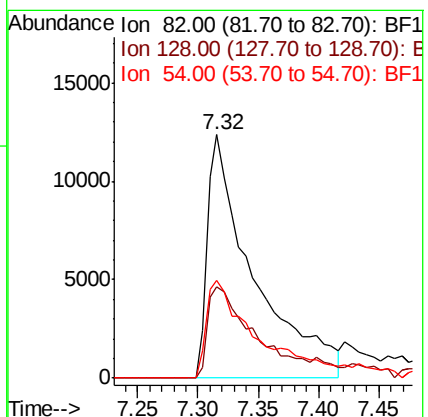
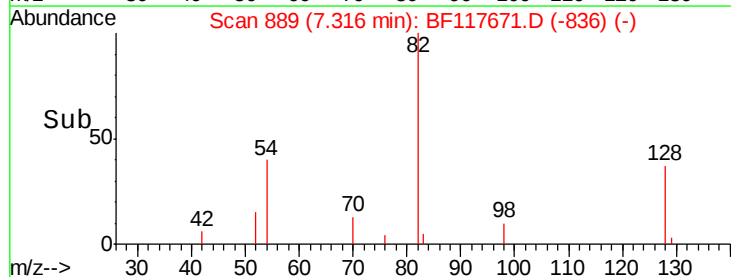
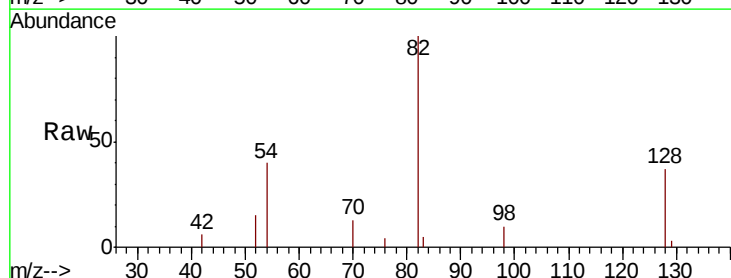
Instrument :
BNA_F
ClientSampleId :

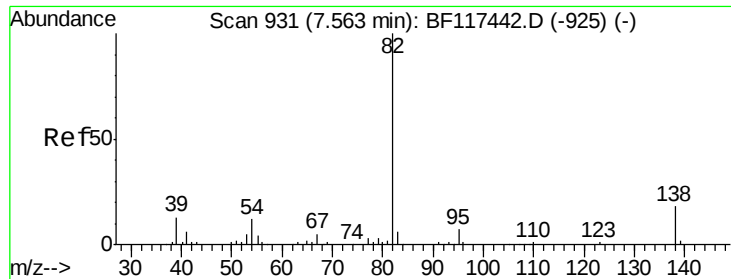
Tot Ion:136	Resp:	164253
Ion Ratio	Lower	Upper
136	100	
137	10.7	8.2 12.4
54	6.8	4.5 6.7#
68	5.6	4.3 6.5



#23
Nitrobenzene-d5
Concen: 9.833 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.01 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

Tgt Ion: 82	Resp:	32714
Ion Ratio	Lower	Upper
82	100	
128	37.5	32.2 48.2
54	40.3	34.2 51.2





#25

Isophorone

Concen: 5.684 ng

RT: 7.32 min Scan# 889

Delta R.T. -0.25 min

Lab File: BF117671.D

Acq: 31 Oct 2019 21:07

Instrument :

BNA_F

ClientSampleId :

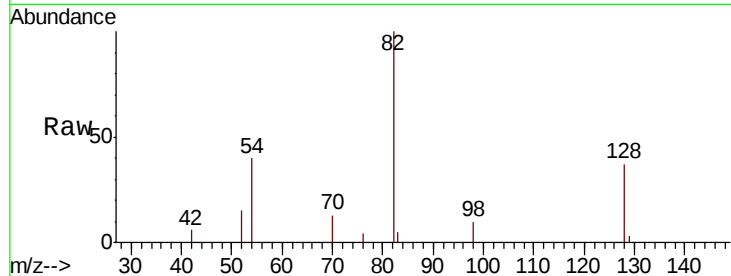
Tot Ion: 82 Resp: 32714

Ion Ratio Lower Upper

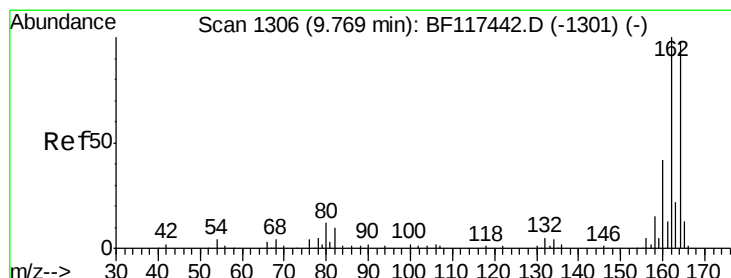
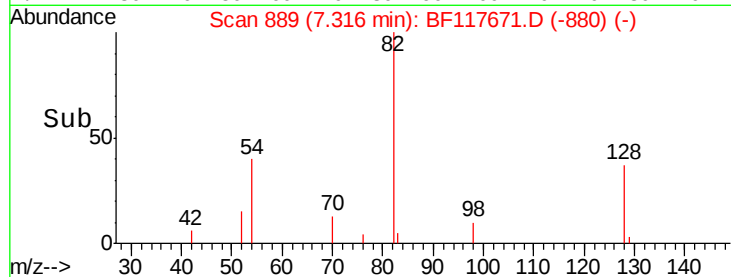
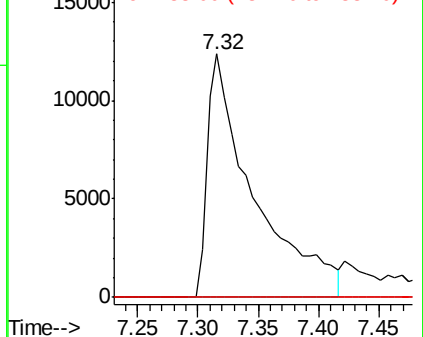
82 100

95 0.0 5.4 8.0#

138 0.0 14.2 21.2#



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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117671.D

Acq: 31 Oct 2019 21:07

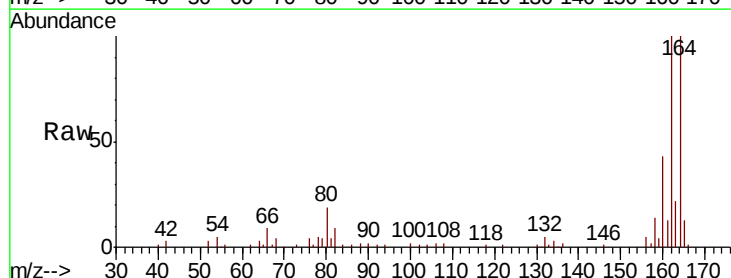
Tgt Ion: 164 Resp: 76215

Ion Ratio Lower Upper

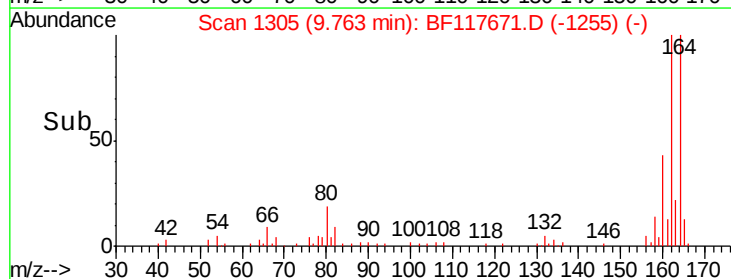
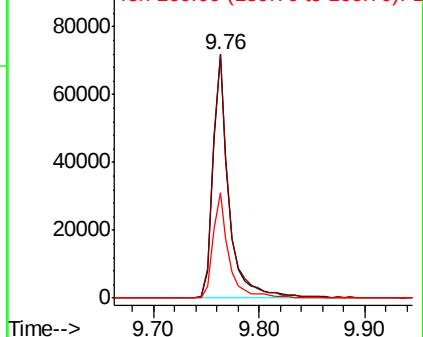
164 100

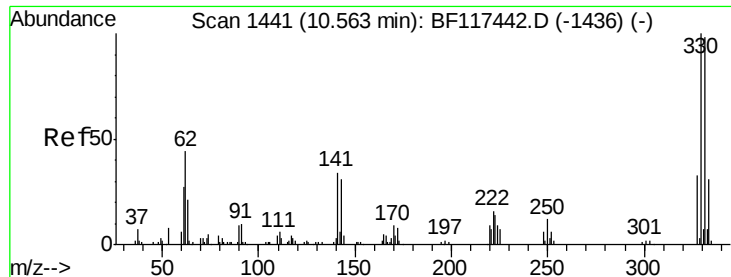
162 99.9 81.8 122.6

160 43.4 34.4 51.6



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

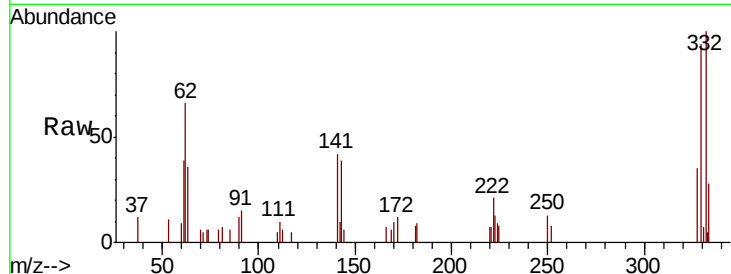




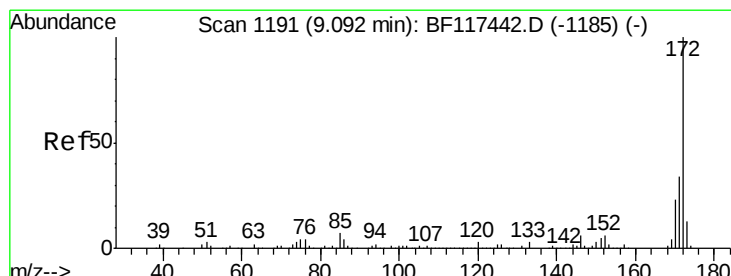
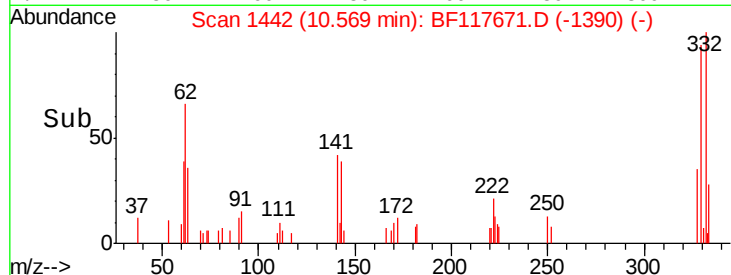
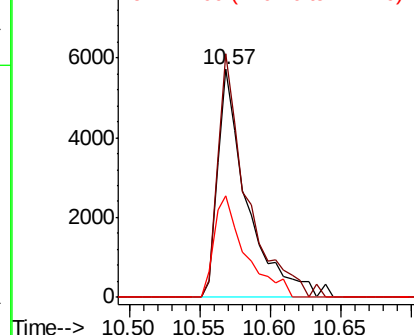
#42
 2,4,6-Tribromophenol
 Concen: 12.576 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: BF117671.D
 Acq: 31 Oct 2019 21:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 8293
 Ion Ratio Lower Upper
 330 100
 332 104.7 78.5 117.7
 141 47.4 37.0 55.6

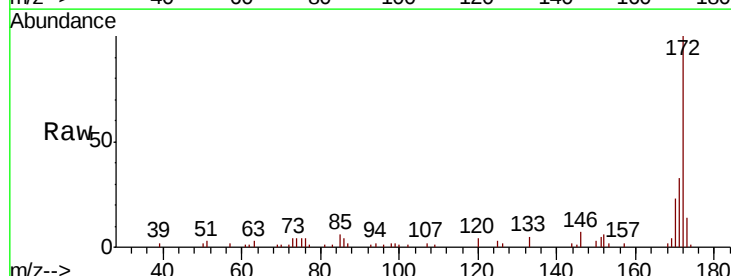


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

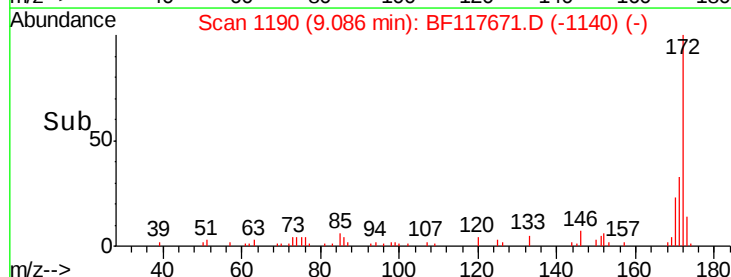
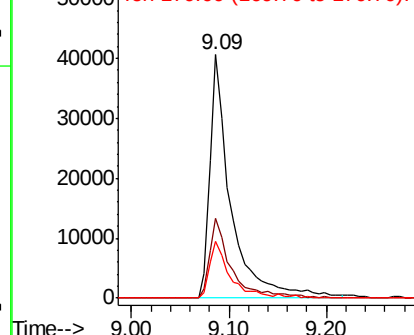


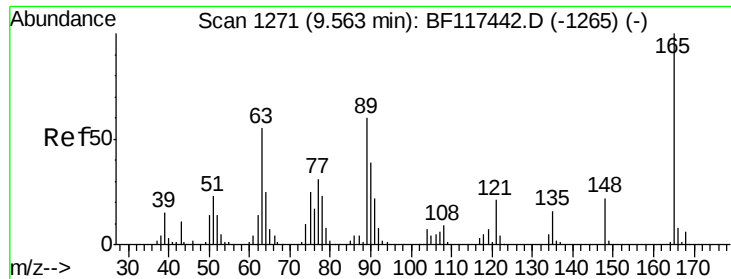
#45
 2-Fluorobiphenyl
 Concen: 11.173 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117671.D
 Acq: 31 Oct 2019 21:07

Tgt Ion:172 Resp: 60436
 Ion Ratio Lower Upper
 172 100
 171 32.7 27.5 41.3
 170 23.1 18.6 27.8



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

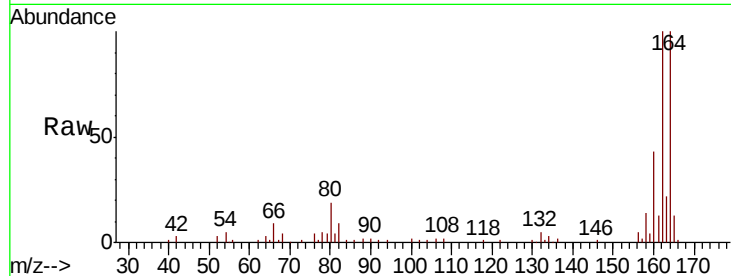




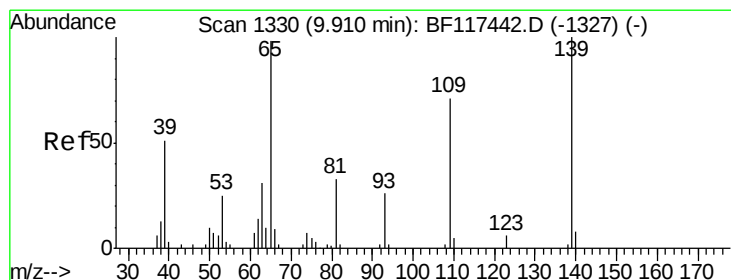
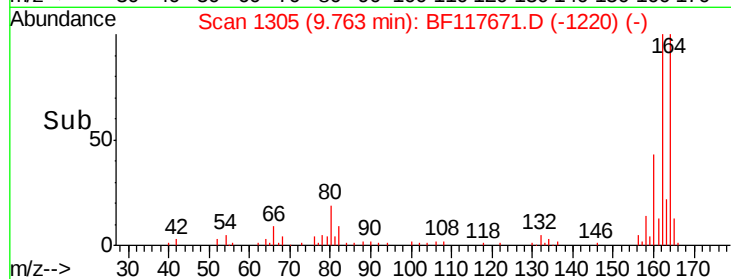
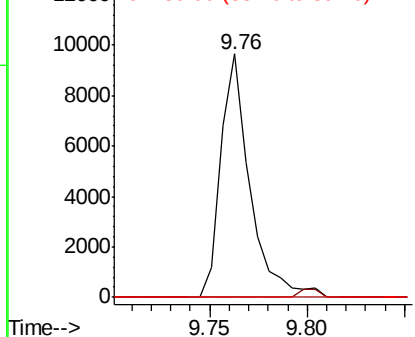
#51
 2,6-Dinitrotoluene
 Concen: 8.805 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117671.D
 Acq: 31 Oct 2019 21:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	43.8	65.8#
89	0.0	47.6	71.4#

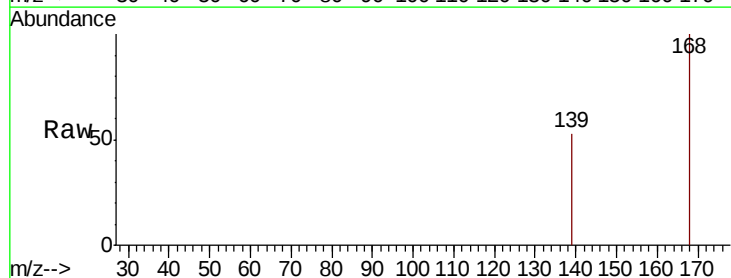


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

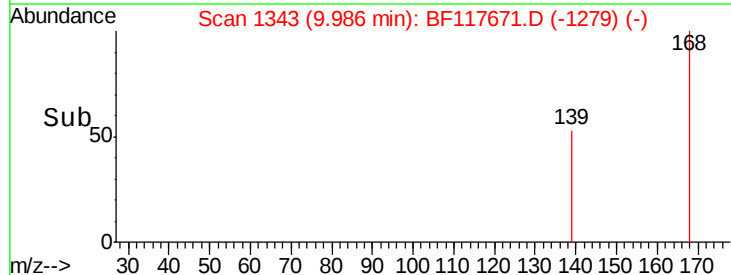
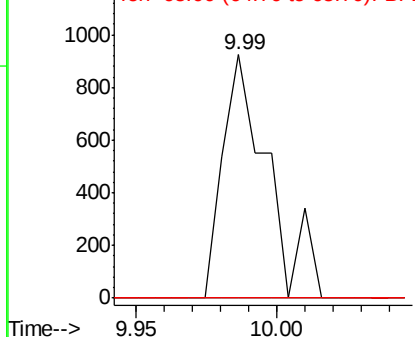


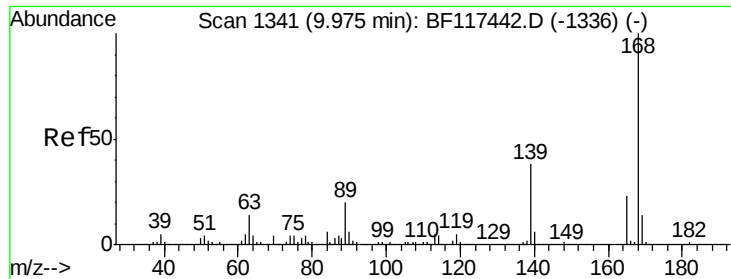
#56
 4-Nitrophenol
 Concen: 5.668 ng
 RT: 9.99 min Scan# 1343
 Delta R.T. 0.08 min
 Lab File: BF117671.D
 Acq: 31 Oct 2019 21:07

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	51.4	91.4#
65	0.0	79.4	119.4#



Abundance Ion 139.00 (138.70 to 139.70): E
 Ion 109.00 (108.70 to 109.70): E
 Ion 65.00 (64.70 to 65.70): BF1

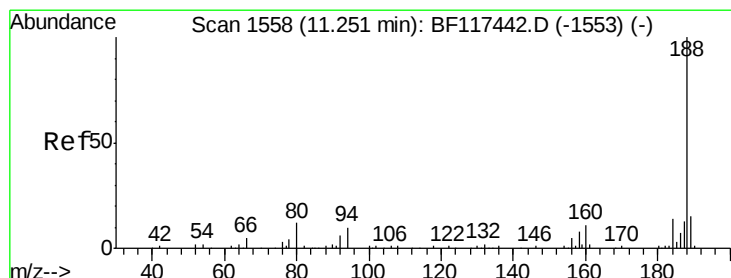
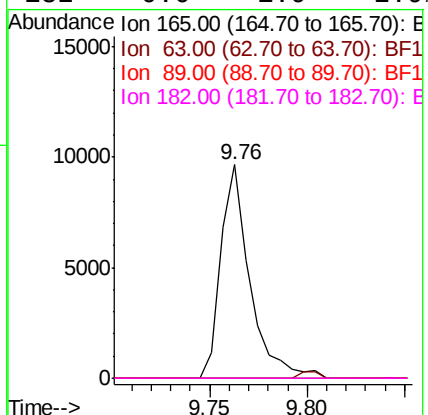
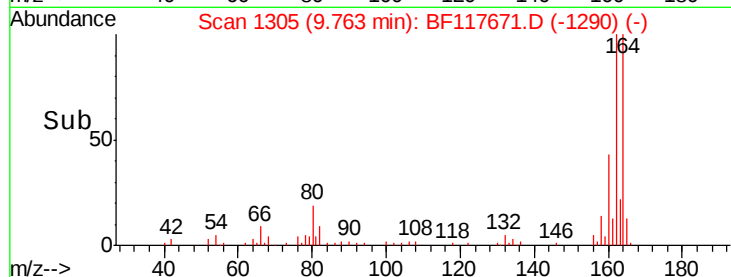
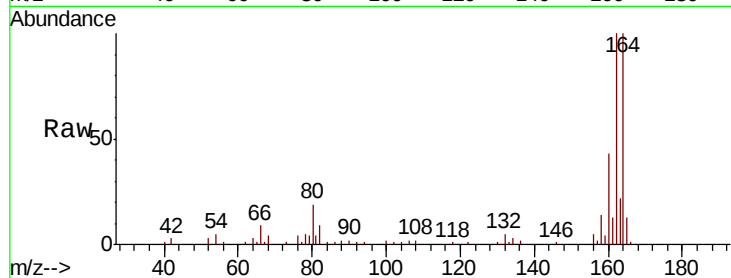




#57
 2,4-Dinitrotoluene
 Concen: 6.623 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.21 min
 Lab File: BF117671.D
 Acq: 31 Oct 2019 21:07

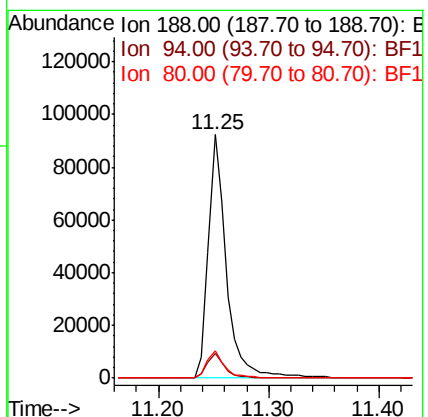
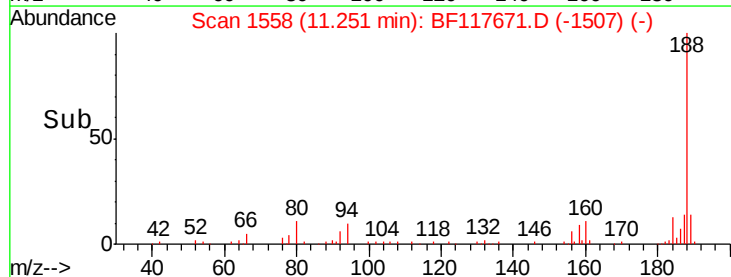
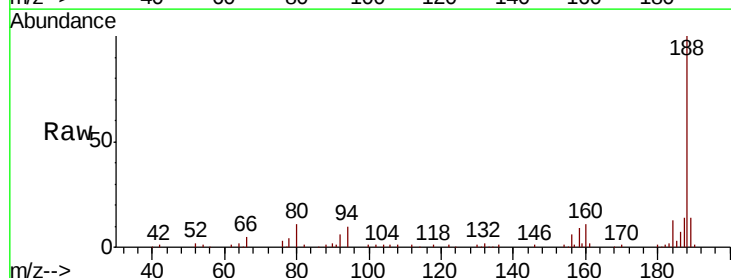
Instrument :
 BNA_F
 ClientSampleId :

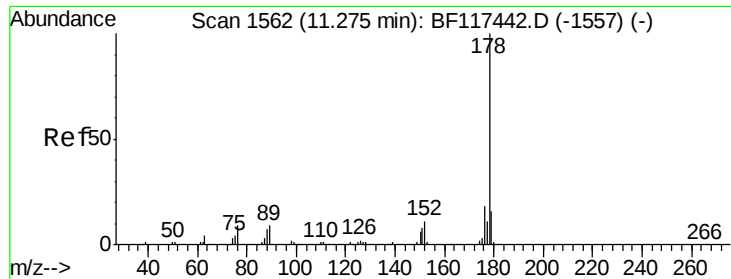
Tot Ion:165 Resp: 9983
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.4 77.0#
 89 0.0 69.9 104.9#
 182 0.0 1.9 2.9#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. -0.00 min
 Lab File: BF117671.D
 Acq: 31 Oct 2019 21:07

Tgt Ion:188 Resp: 102589
 Ion Ratio Lower Upper
 188 100
 94 10.3 8.0 12.0
 80 11.4 9.5 14.3

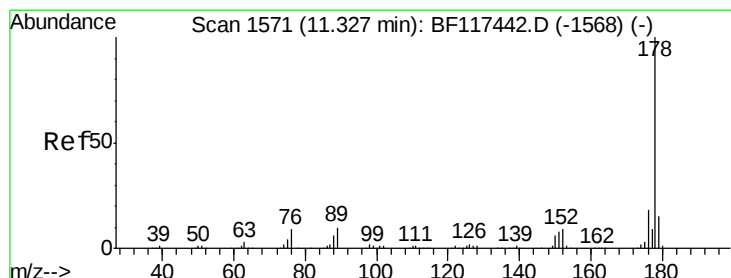
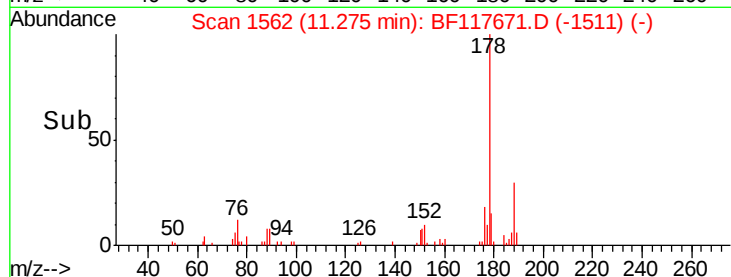
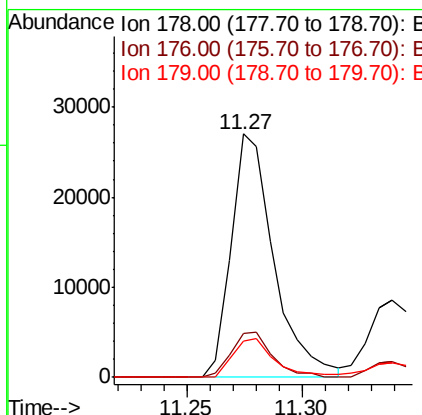
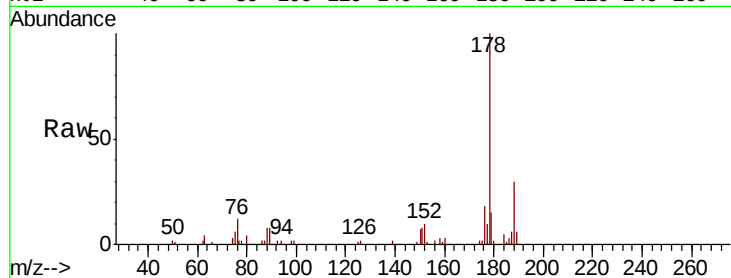




#71
Phenanthrene
Concen: 5.869 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.00 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

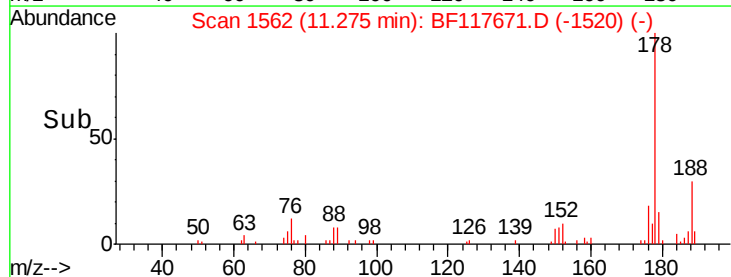
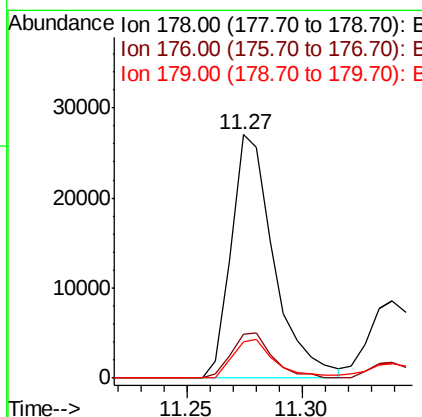
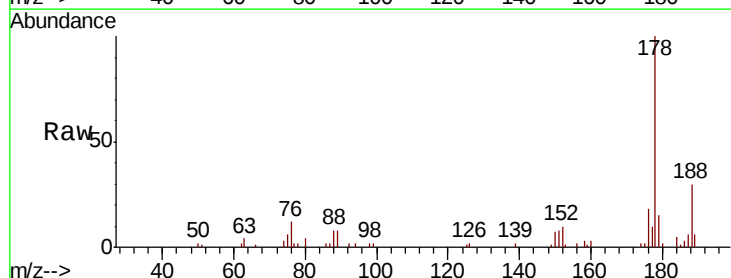
Instrument :
BNA_F
ClientSampleId :

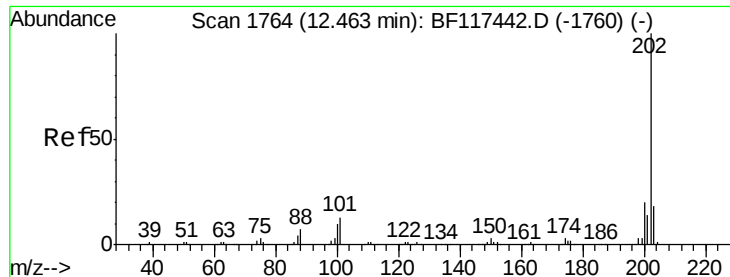
Tot Ion:178 Resp: 34963
Ion Ratio Lower Upper
178 100
176 18.3 14.6 22.0
179 14.9 12.6 19.0



#72
Anthracene
Concen: 5.720 ng
RT: 11.27 min Scan# 1562
Delta R.T. -0.05 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

Tgt Ion:178 Resp: 34963
Ion Ratio Lower Upper
178 100
176 18.3 14.7 22.1
179 14.9 12.2 18.2





#75

Fluoranthene

Concen: 12.249 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117671.D

Acq: 31 Oct 2019 21:07

Instrument :

BNA_F

ClientSampleId :

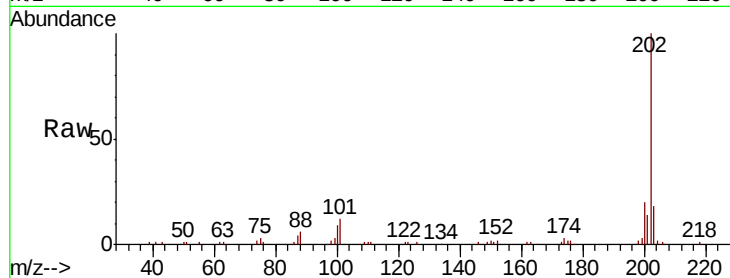
Tot Ion:202 Resp: 73043

Ion Ratio Lower Upper

202 100

101 12.3 0.0 32.7

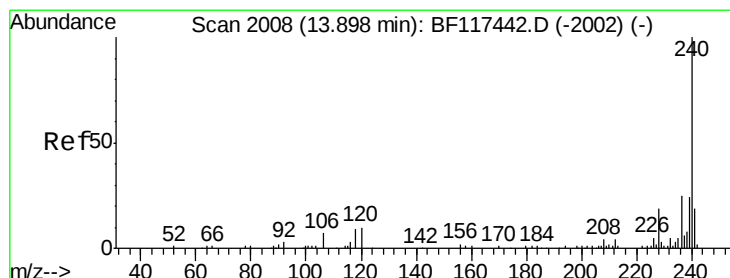
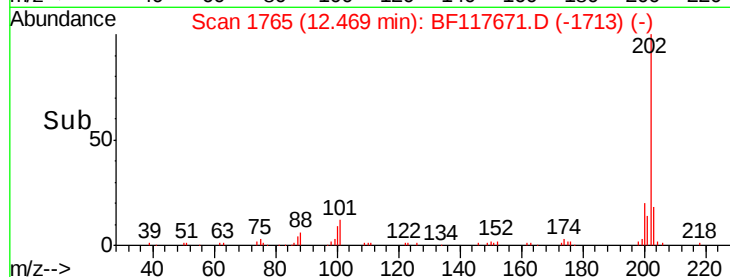
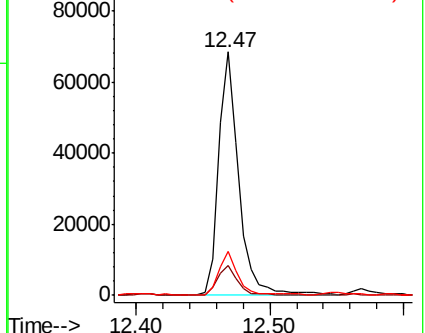
203 17.8 0.0 37.6



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: 13.90 min Scan# 2008

Delta R.T. -0.00 min

Lab File: BF117671.D

Acq: 31 Oct 2019 21:07

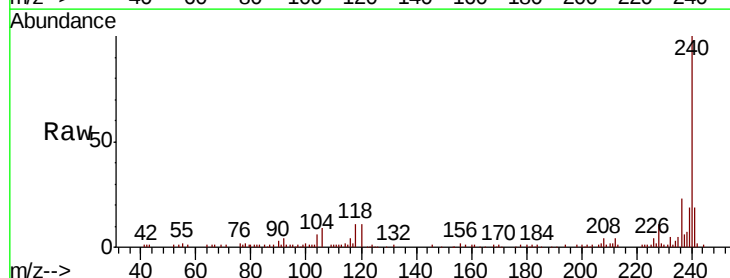
Tgt Ion:240 Resp: 77474

Ion Ratio Lower Upper

240 100

120 11.3 8.4 12.6

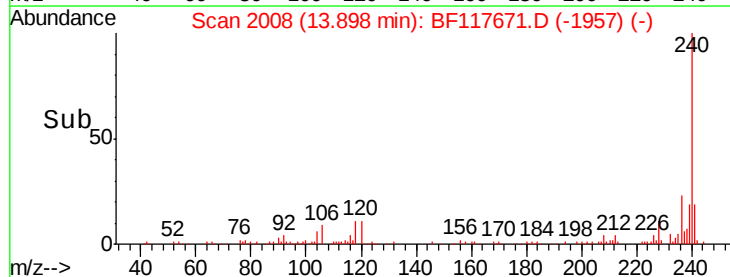
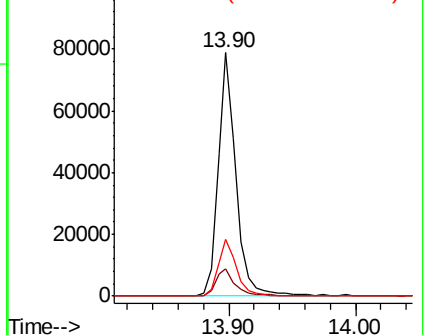
236 23.1 20.0 30.0

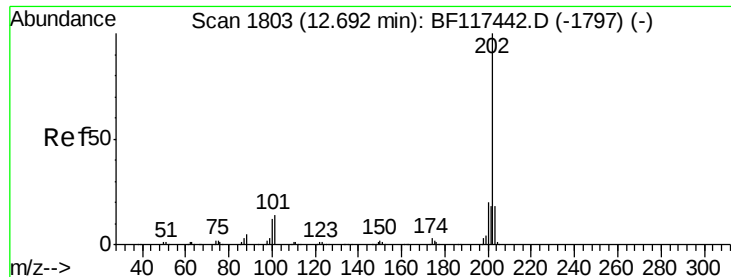


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

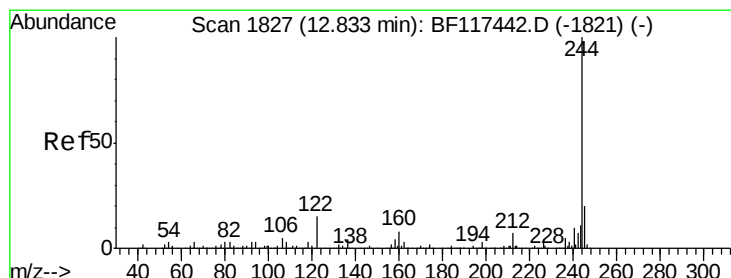
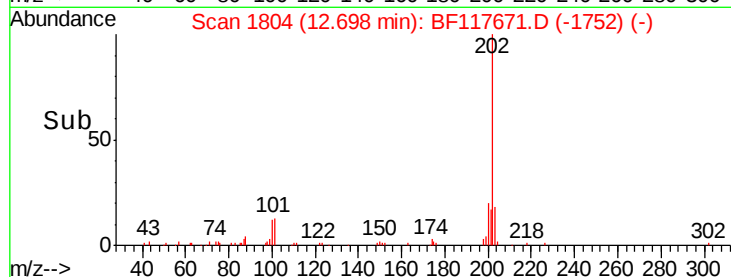
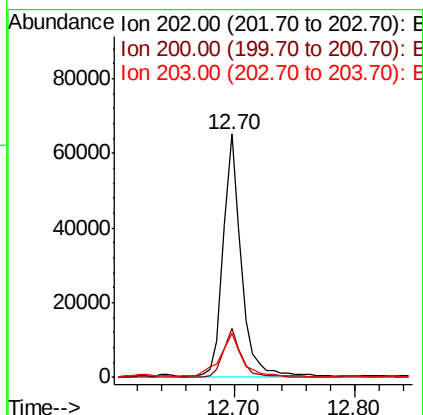
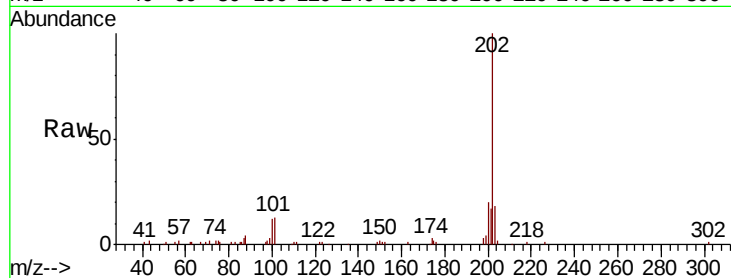




#78
Pvrene
Concen: 10.285 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

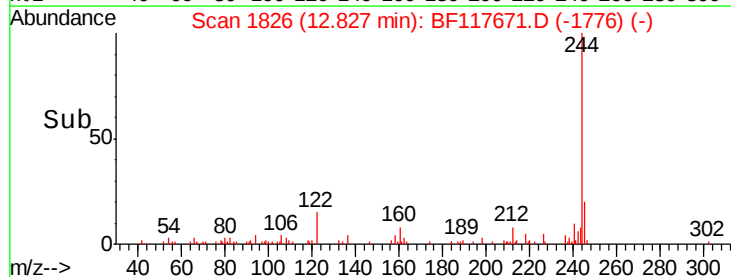
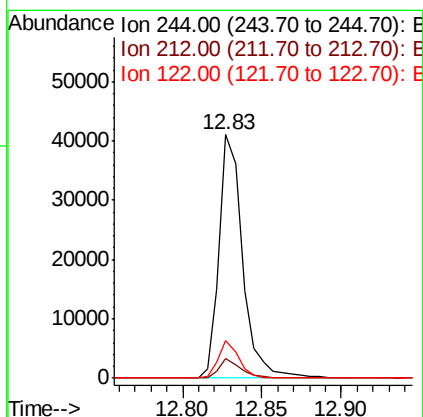
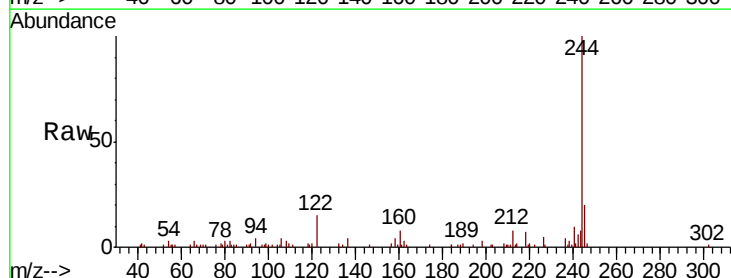
Instrument :
BNA_F
ClientSampleId :

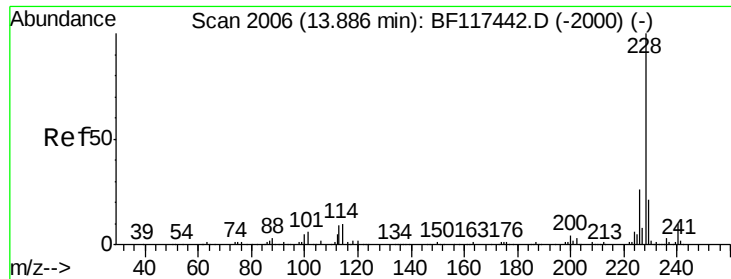
Tot Ion:202 Resp: 68444
Ion Ratio Lower Upper
202 100
200 20.1 16.2 24.2
203 18.2 14.0 21.0



#79
Terphenyl-d14
Concen: 8.917 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

Tgt Ion:244 Resp: 42352
Ion Ratio Lower Upper
244 100
212 7.9 5.8 8.6
122 15.3 11.8 17.8

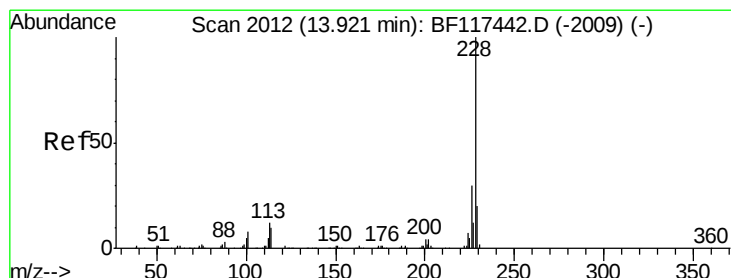
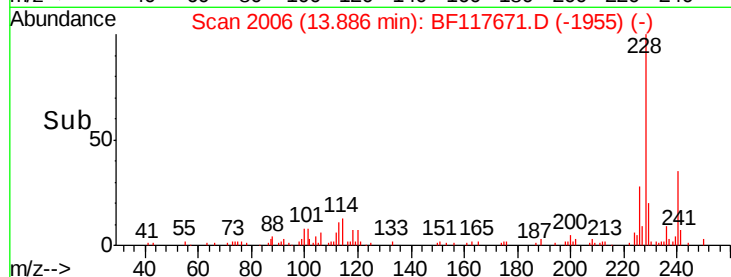
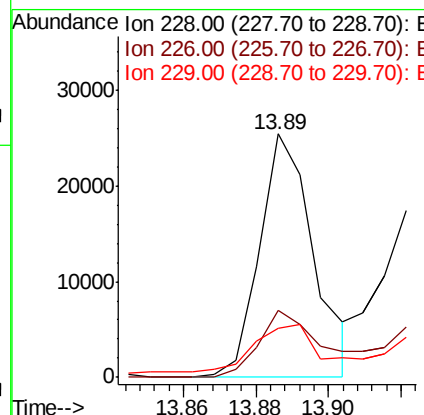
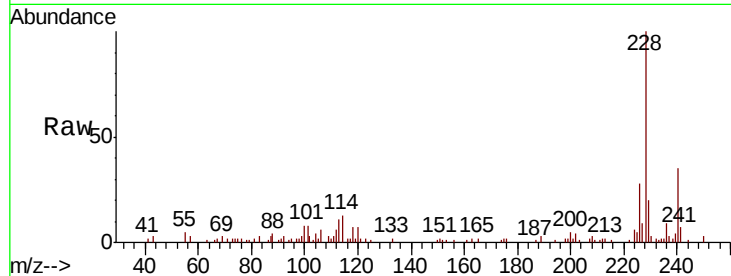




#81
Benzo(a)anthracene
Concen: 5.026 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.00 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

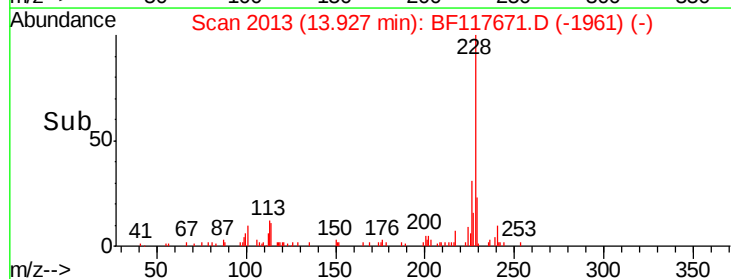
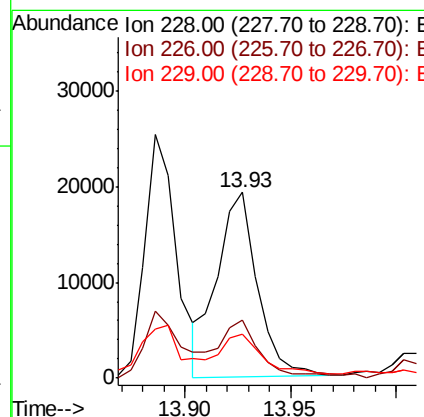
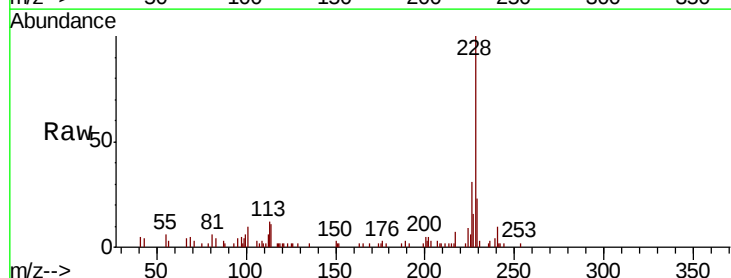
Instrument :
BNA_F
ClientSampleId :

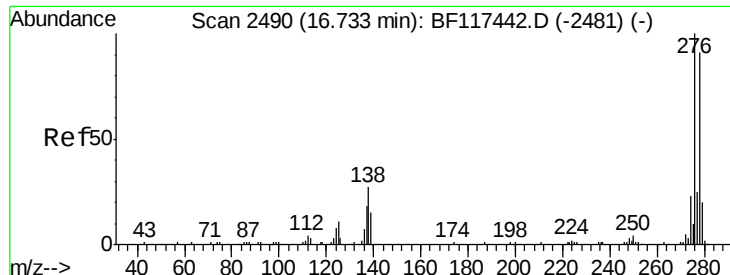
Tot Ion	Ratio	Lower	Upper
228	100		
226	27.6	21.0	31.4
229	20.3	16.4	24.6



#83
Chrysene
Concen: 5.022 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.9	23.9	35.9
229	23.5	15.8	23.6

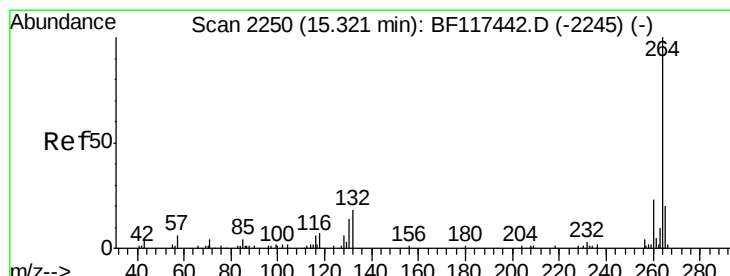
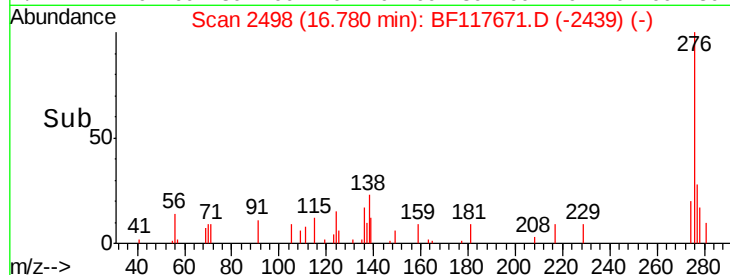
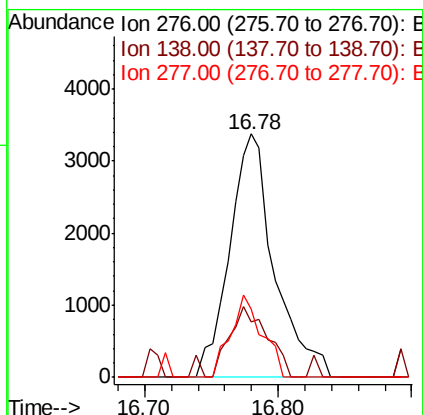
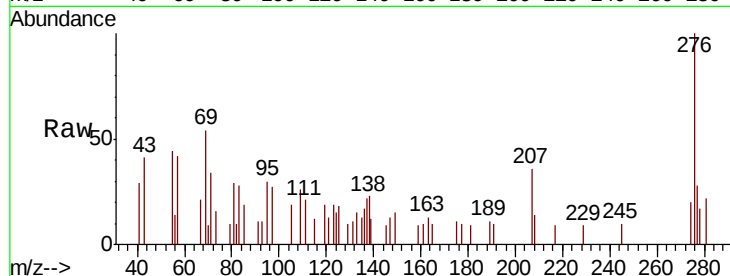




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.053 ng
 RT: 16.78 min Scan# 2498
 Delta R.T. 0.05 min
 Lab File: BF117671.D
 Acq: 31 Oct 2019 21:07

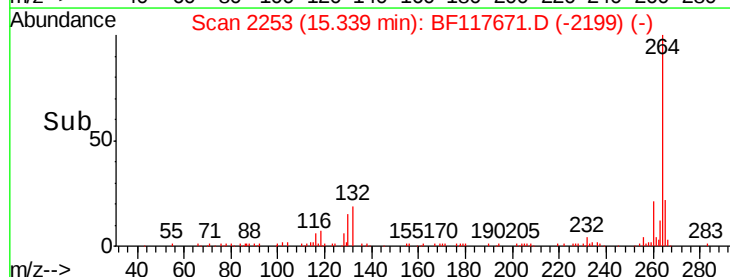
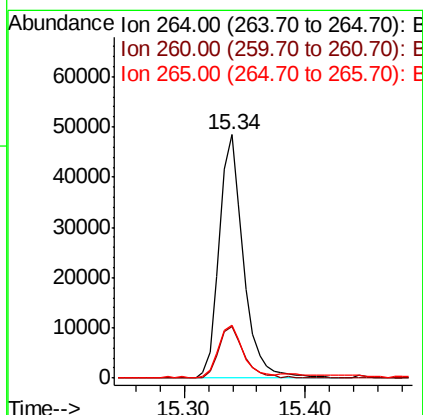
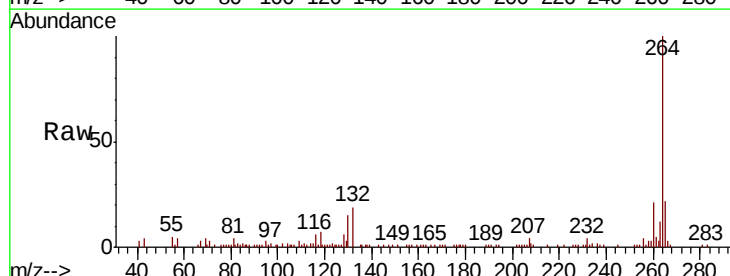
Instrument :
 BNA_F
 ClientSampleId :

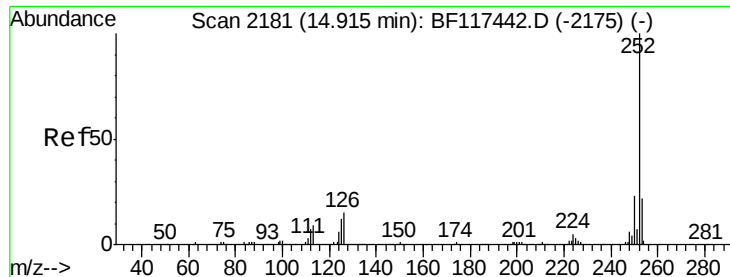
Tot Ion:276 Resp: 7850
 Ion Ratio Lower Upper
 276 100
 138 24.7 21.8 32.8
 277 23.9 20.0 30.0



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.02 min
 Lab File: BF117671.D
 Acq: 31 Oct 2019 21:07

Tgt Ion:264 Resp: 66987
 Ion Ratio Lower Upper
 264 100
 260 21.0 18.4 27.6
 265 21.6 16.1 24.1

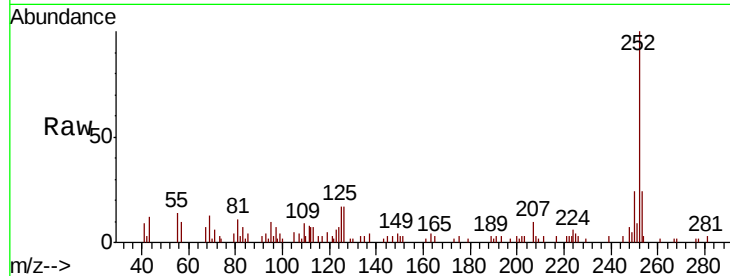




#88
Benzo(b)fluoranthene
Concen: 7.686 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.02 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.8	26.6
125	17.3	9.9	14.9#

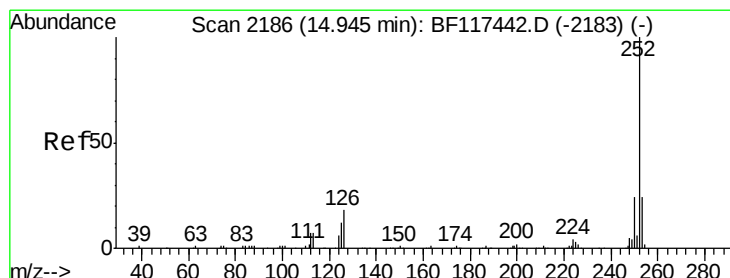
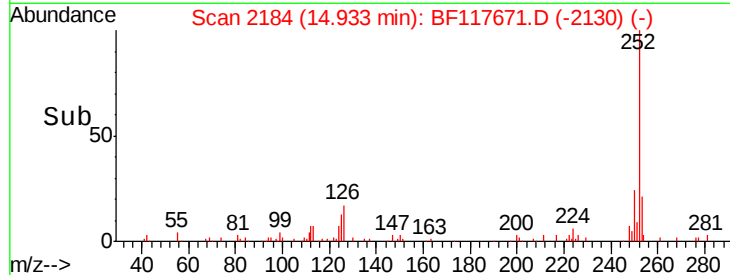
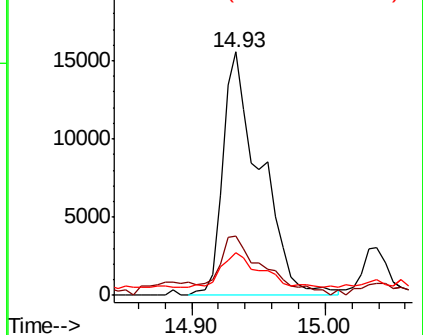


Abundance

Ion 252.00 (251.70 to 252.70): E

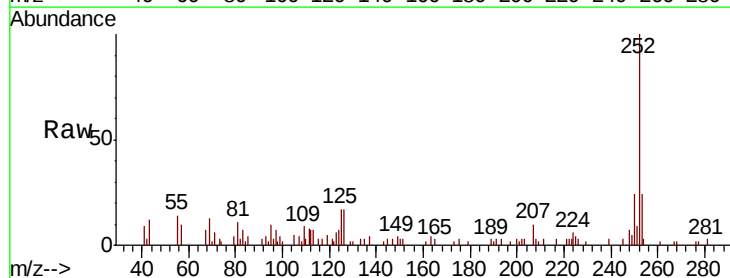
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 7.499 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	17.3	8.9	13.3#

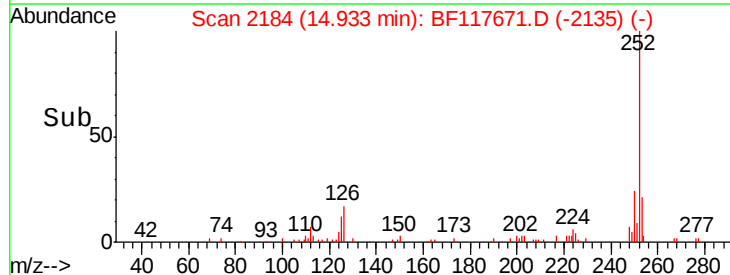
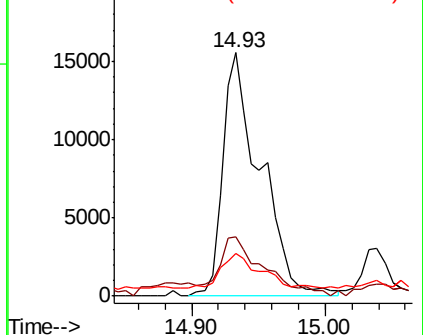


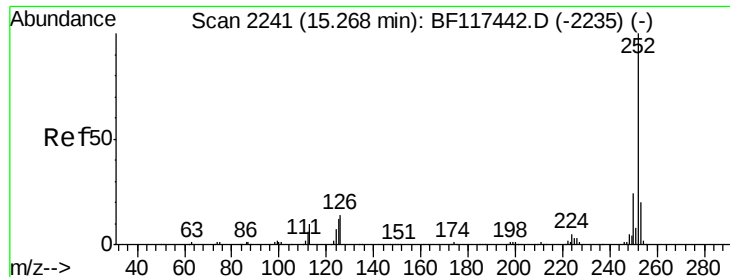
Abundance

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

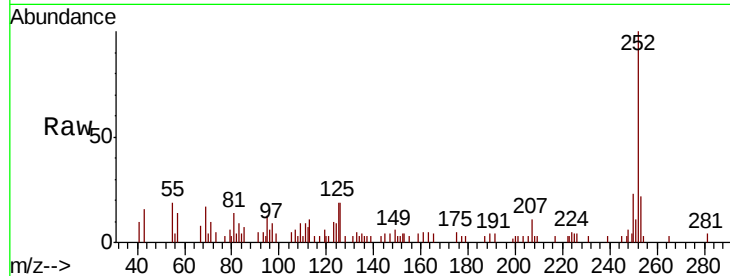




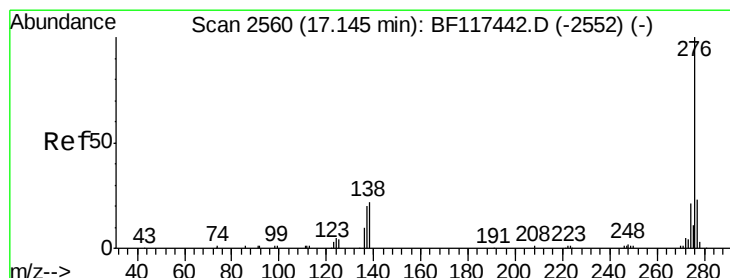
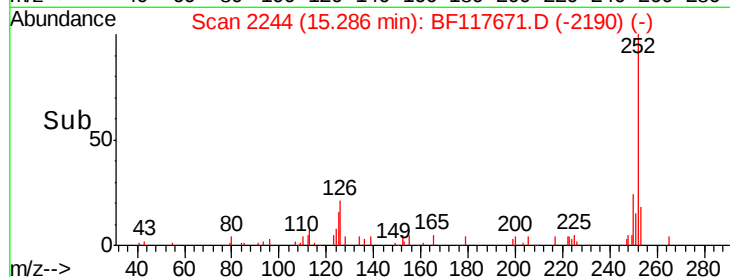
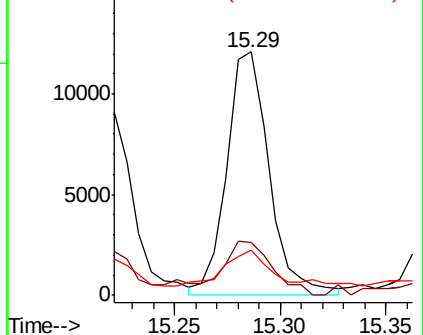
#90
Benzo(a)pyrene
Concen: 4.692 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.02 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 16875
Ion Ratio Lower Upper
252 100
253 21.9 16.3 24.5
125 18.7 9.2 13.8#

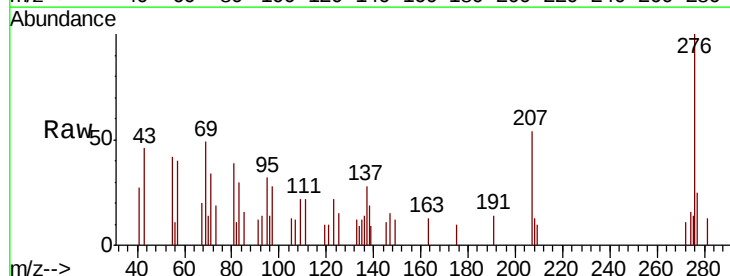


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 2.506 ng
RT: 17.21 min Scan# 2571
Delta R.T. 0.06 min
Lab File: BF117671.D
Acq: 31 Oct 2019 21:07

Tgt Ion:276 Resp: 7375
Ion Ratio Lower Upper
276 100
277 24.6 18.4 27.6
138 18.8 17.8 26.6



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

