

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117672.D
 Acq On : 31 Oct 2019 21:34
 Operator : JU
 Sample : K5540-03DL 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 01:24:04 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	33517	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	145357	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	71246	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	105203	20.00	ng	0.00
76) Chrysene-d12	13.90	240	70830	20.00	ng	0.00
87) Perylene-d12	15.34	264	65404	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.39	112	26454	11.74	ng	0.04
7) Phenol-d6	6.41	99	48695	16.09	ng	0.03
23) Nitrobenzene-d5	7.32	82	30625	10.40	ng	0.01
42) 2,4,6-Tribromophenol	10.57	330	7757	12.58	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	47446	9.38	ng	0.00
79) Terphenyl-d14	12.83	244	32272	7.43	ng	0.00

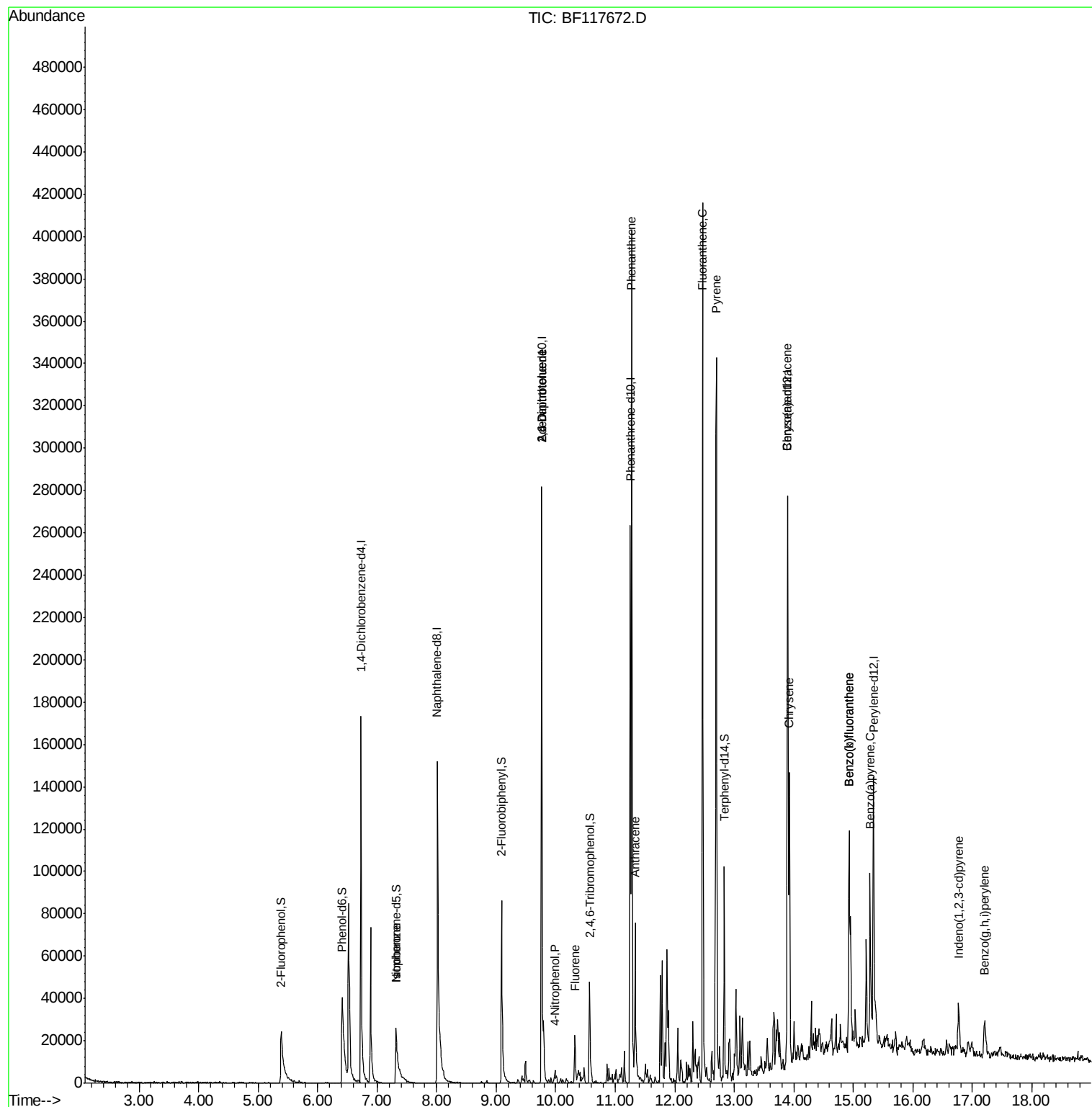
Target Compounds				Qvalue		
9) Benzaldehyde	6.52	77	701	Below Cal	#	64
25) Isophorone	7.32	82	30625	6.013	ng	# 65
51) 2,6-Dinitrotoluene	9.76	165	9017	8.508	ng	# 22
56) 4-Nitrophenol	9.99	139	1927	7.217	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	9017	6.399	ng	# 12
58) Fluorene	10.32	166	10137	2.111	ng	94
71) Phenanthrene	11.27	178	163858	26.823	ng	98
72) Anthracene	11.33	178	41461	6.615	ng	97
75) Fluoranthene	12.47	202	178974	29.266	ng	97
77) Benzidine	12.83	184	349	Below Cal	#	67
78) Pyrene	12.70	202	151223	24.856	ng	99
81) Benzo(a)anthracene	13.89	228	65757	13.763	ng	97
83) Chrysene	13.93	228	55250	11.799	ng	99
86) Indeno(1,2,3-cd)pyrene	16.77	276	20125	5.757	ng	94
88) Benzo(b)fluoranthene	14.93	252	71744	18.576	ng	97
89) Benzo(k)fluoranthene	14.93	252	71744	18.124	ng	# 95
90) Benzo(a)pyrene	15.28	252	38118	10.855	ng	# 91
92) Benzo(g,h,i)perylene	17.21	276	16538	5.757	ng	97

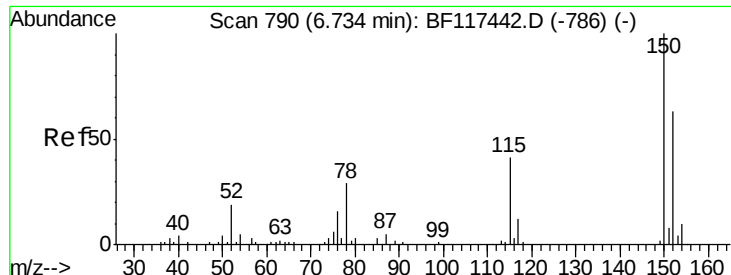
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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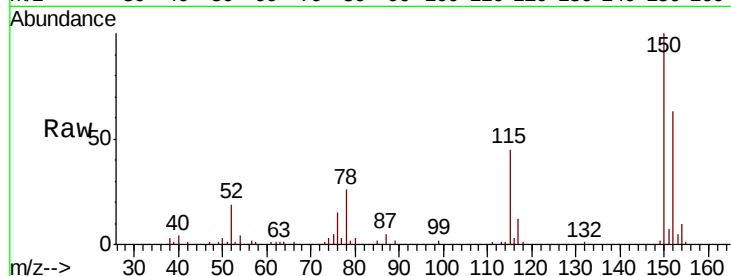


#1

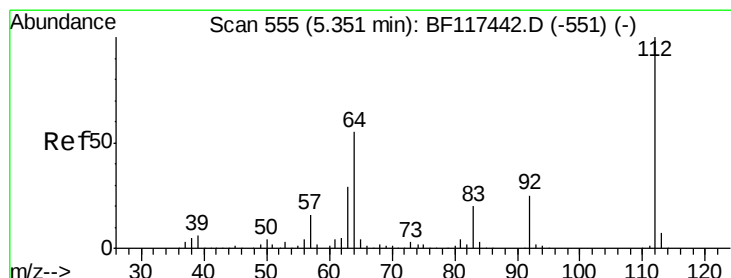
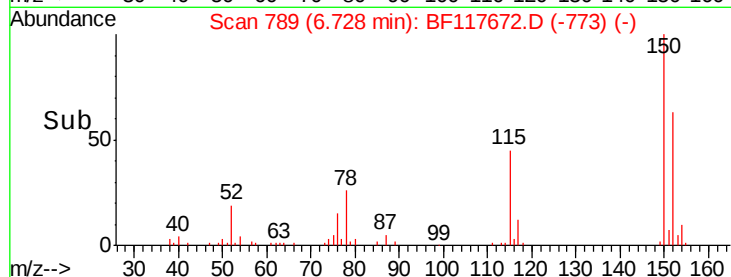
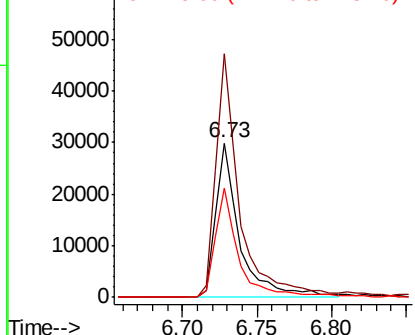
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 33517
Ion Ratio Lower Upper
152 100
150 157.6 126.8 190.2
115 70.3 51.6 77.4



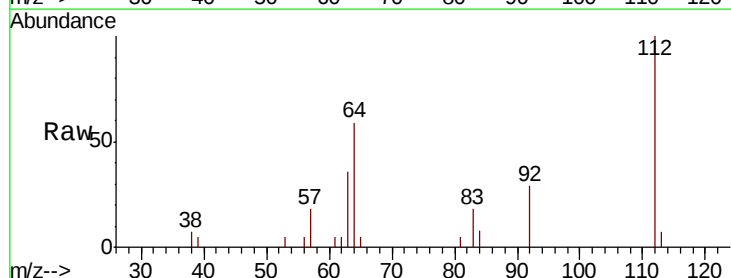
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



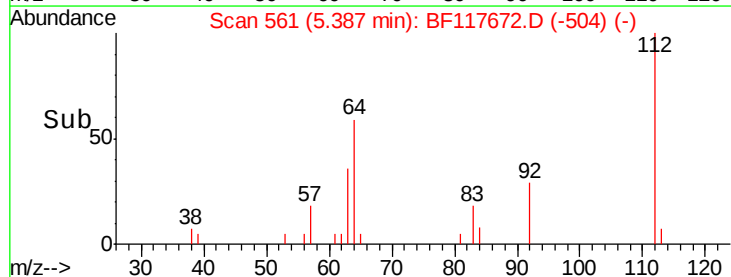
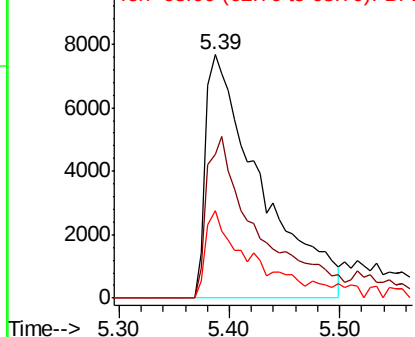
#5

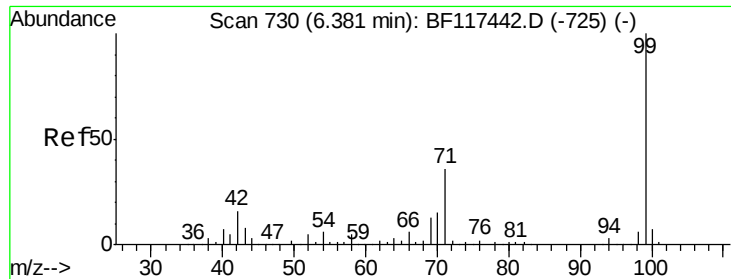
2-Fluorophenol
Concen: 11.742 ng
RT: 5.39 min Scan# 561
Delta R.T. 0.04 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:112 Resp: 26454
Ion Ratio Lower Upper
112 100
64 59.2 44.1 66.1
63 36.0 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: 16.092 ng

RT: 6.41 min Scan# 735

Delta R.T. 0.03 min

Lab File: BF117672.D

Acq: 31 Oct 2019 21:34

Instrument :

BNA_F

ClientSampleId :

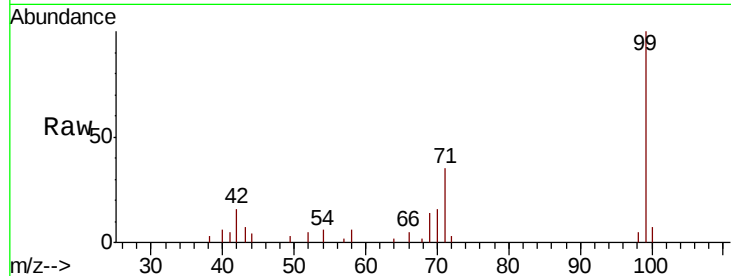
Tot Ion: 99 Resp: 48695

Ion Ratio Lower Upper

99 100

42 16.3 12.8 19.2

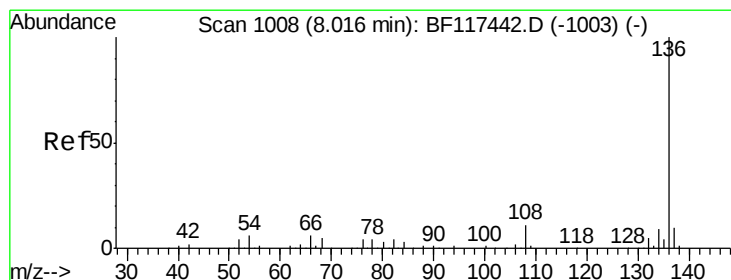
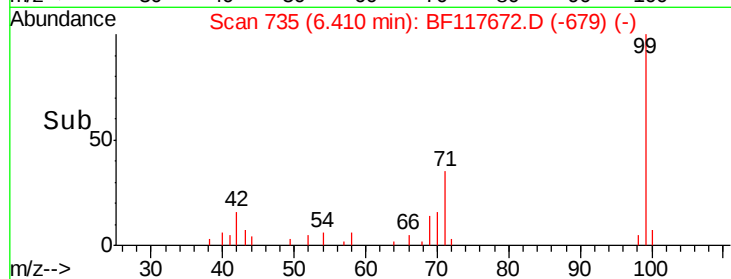
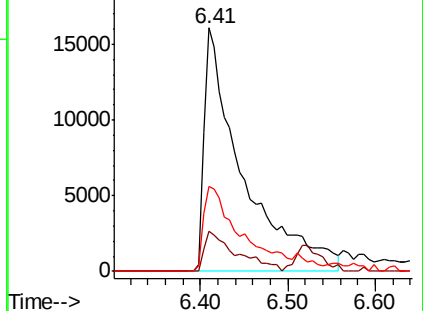
71 34.8 28.6 43.0



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



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.01 min Scan# 1007

Delta R.T. -0.01 min

Lab File: BF117672.D

Acq: 31 Oct 2019 21:34

Tgt Ion: 136 Resp: 145357

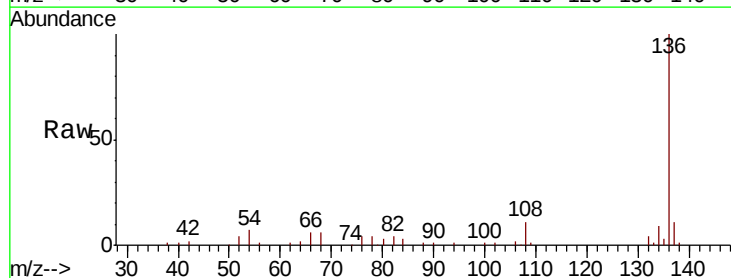
Ion Ratio Lower Upper

136 100

137 10.7 8.2 12.4

54 6.5 4.5 6.7

68 5.9 4.3 6.5

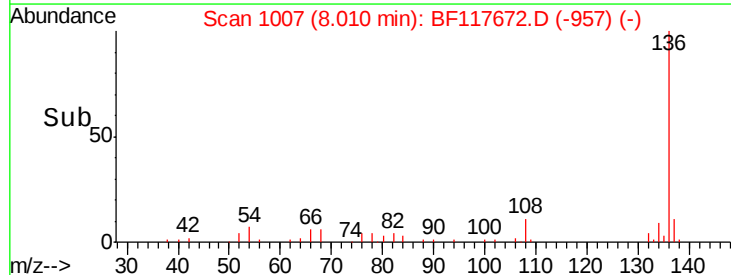
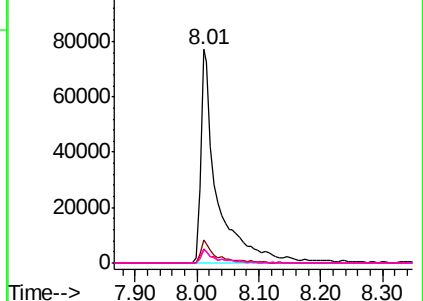


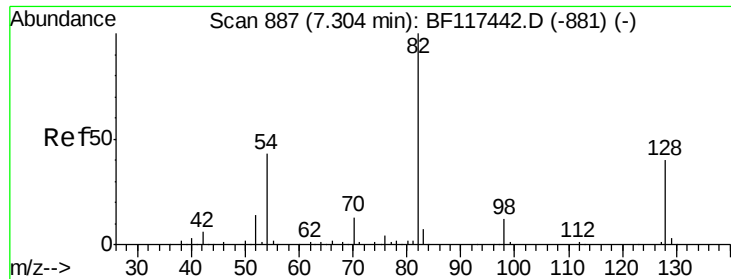
Abundance Ion 136.00 (135.70 to 136.70): E

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

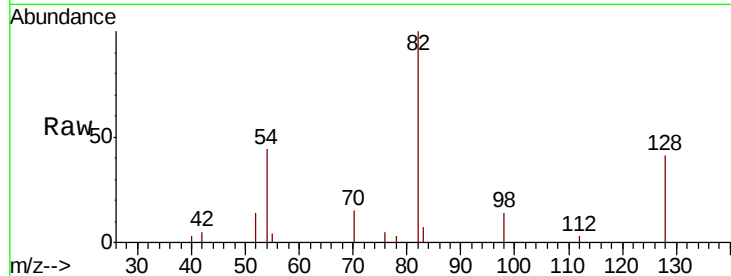




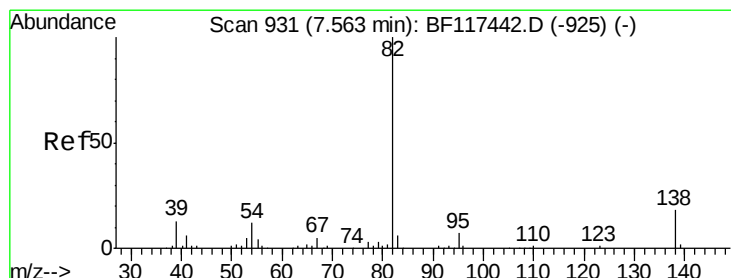
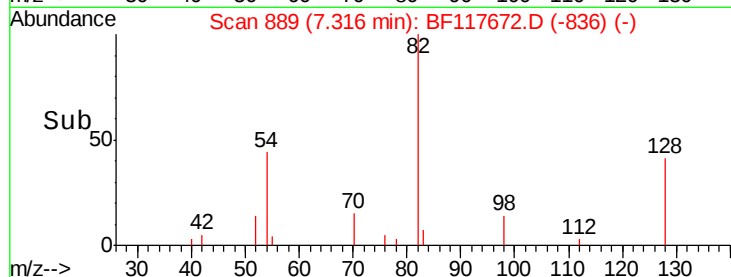
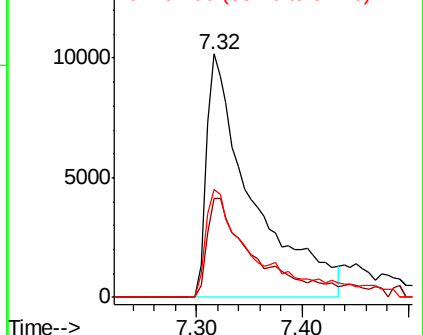
#23
Nitrobenzene-d5
Concen: 10.401 ng
RT: 7.32 min Scan# 889
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion	82	Resp	30625
Ion Ratio	Lower	Upper	
82	100		
128	40.7	32.2	48.2
54	44.2	34.2	51.2

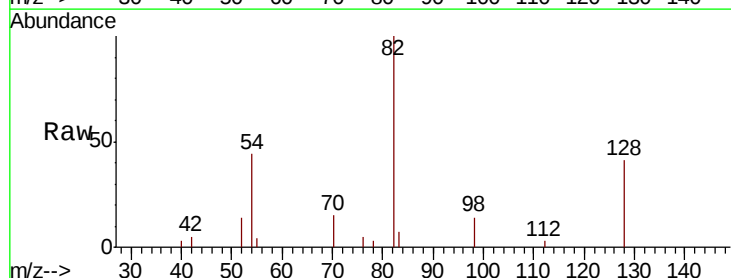


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

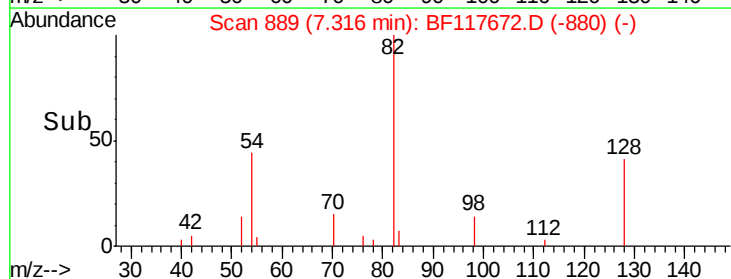
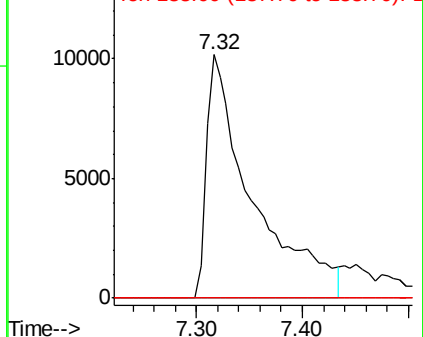


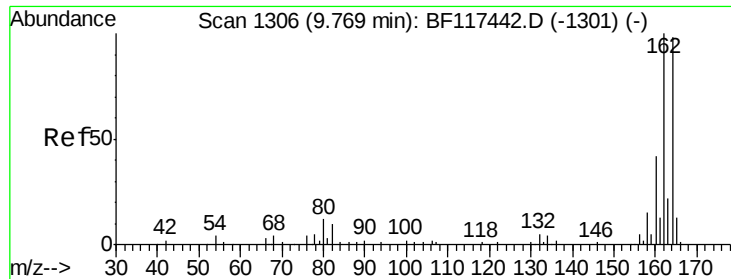
#25
Isophorone
Concen: 6.013 ng
RT: 7.32 min Scan# 889
Delta R.T. -0.25 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion	82	Resp	30625
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): BF1

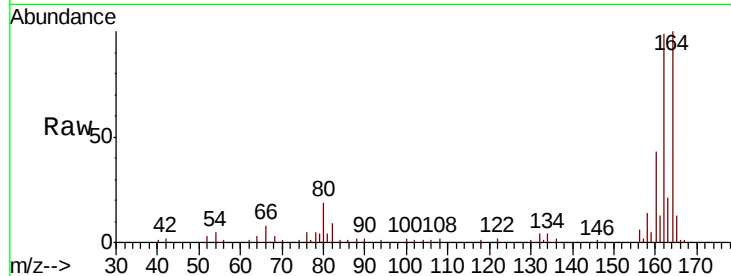




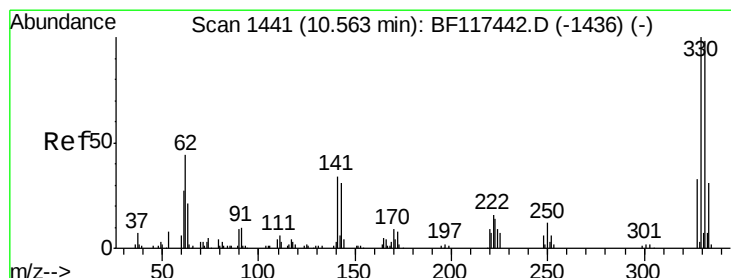
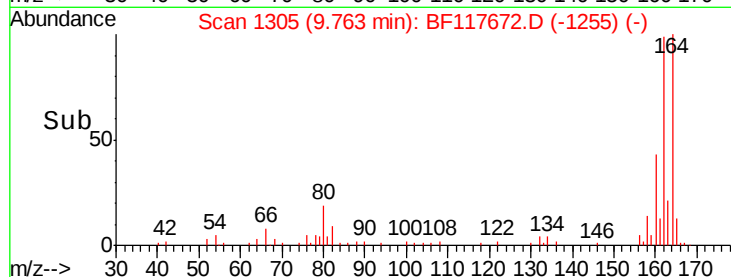
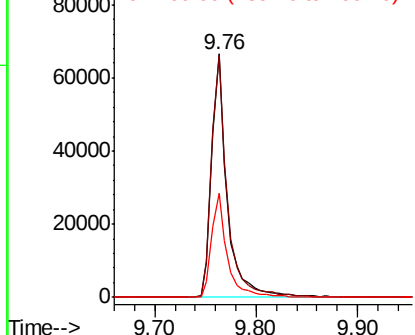
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 71246
Ion Ratio Lower Upper
164 100
162 99.3 81.8 122.6
160 42.9 34.4 51.6

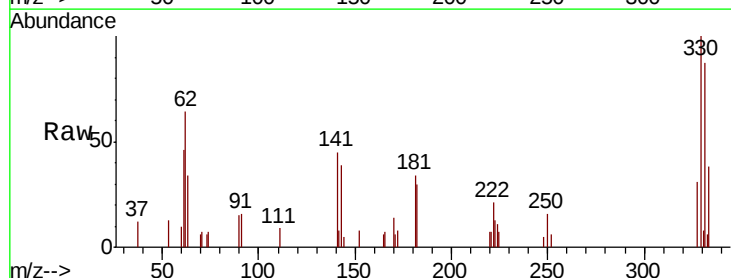


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

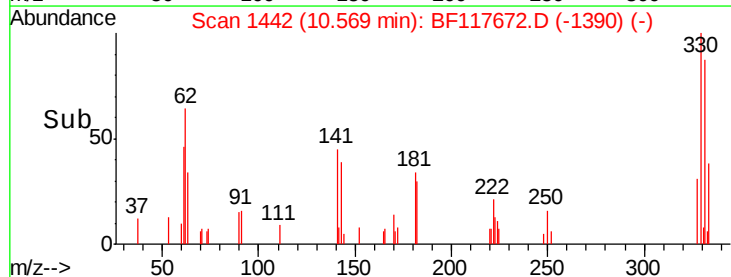
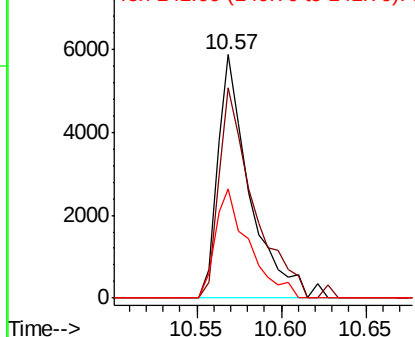


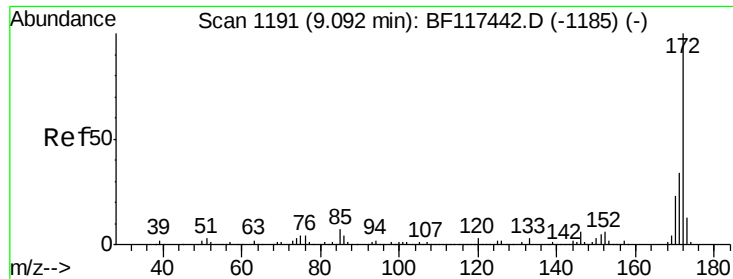
#42
2,4,6-Tribromophenol
Concen: 12.583 ng
RT: 10.57 min Scan# 1442
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:330 Resp: 7757
Ion Ratio Lower Upper
330 100
332 92.6 78.5 117.7
141 47.0 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

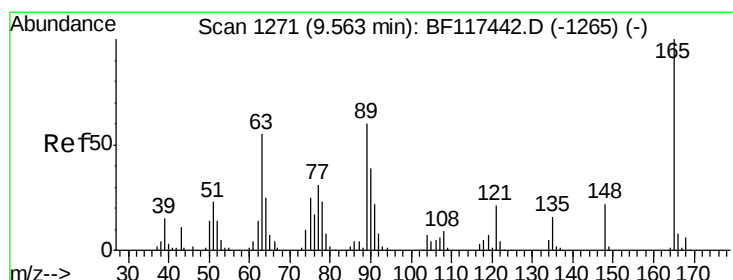
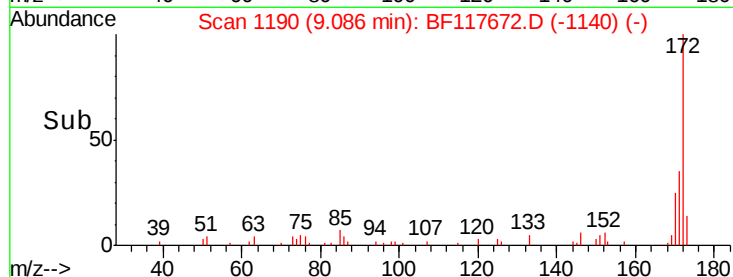
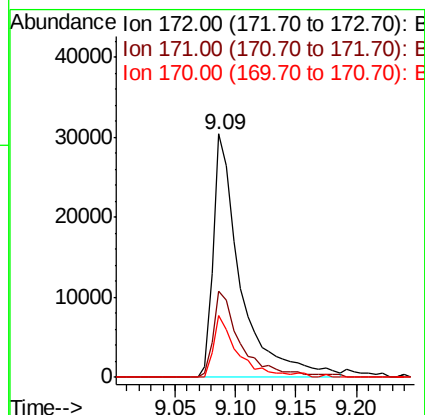
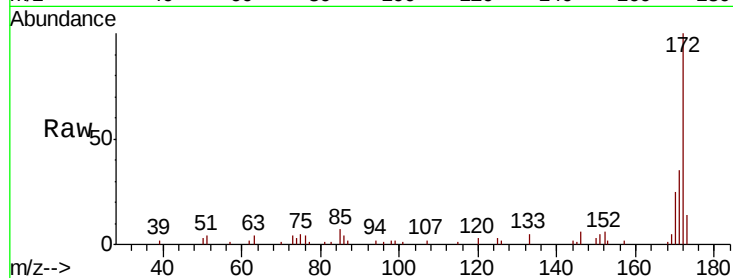




#45
 2-Fluorobiphenyl
 Concen: 9.383 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117672.D
 Acq: 31 Oct 2019 21:34

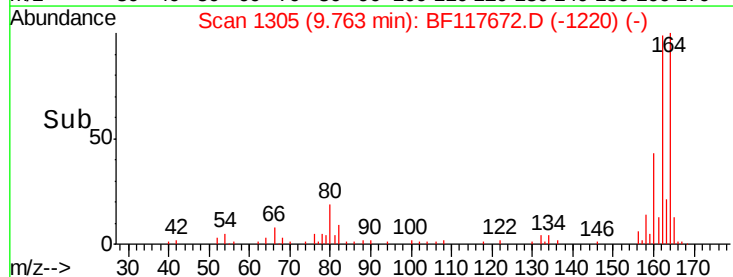
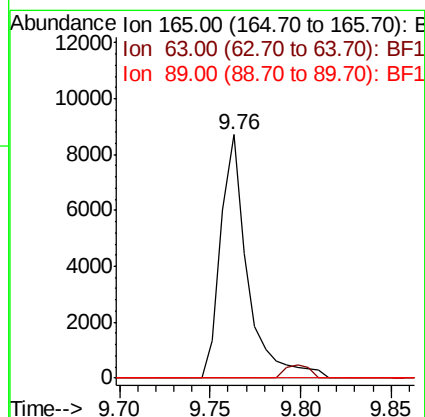
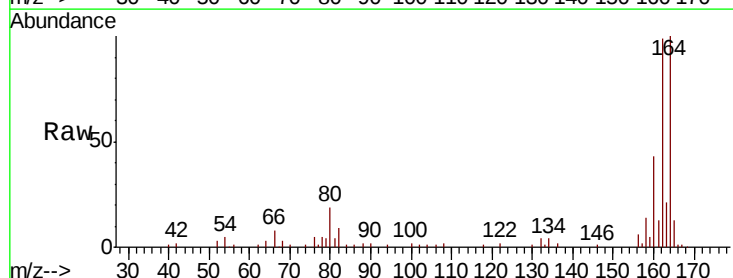
Instrument :
 BNA_F
 ClientSampleId :

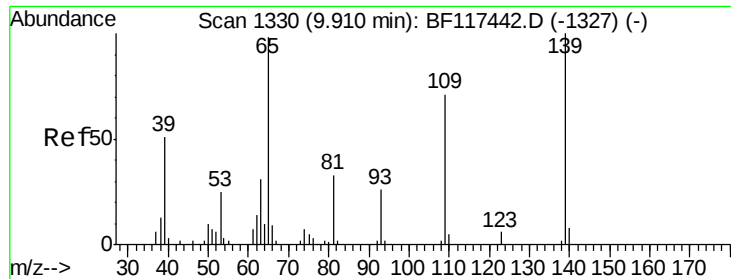
Tot Ion:172 Resp: 47446
 Ion Ratio Lower Upper
 172 100
 171 35.4 27.5 41.3
 170 25.4 18.6 27.8



#51
 2,6-Dinitrotoluene
 Concen: 8.508 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117672.D
 Acq: 31 Oct 2019 21:34

Tgt Ion:165 Resp: 9017
 Ion Ratio Lower Upper
 165 100
 63 0.0 43.8 65.8#
 89 0.0 47.6 71.4#

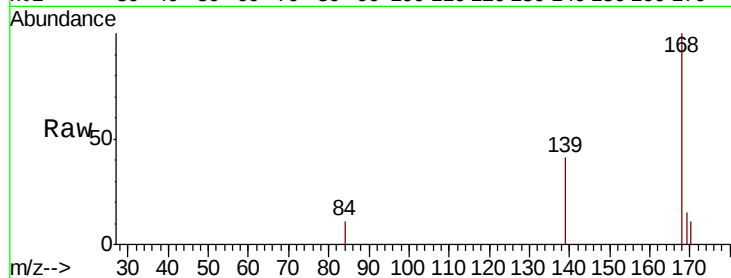




#56
4-Nitrophenol
Concen: 7.217 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.08 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Instrument :
BNA_F
ClientSampleId :

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

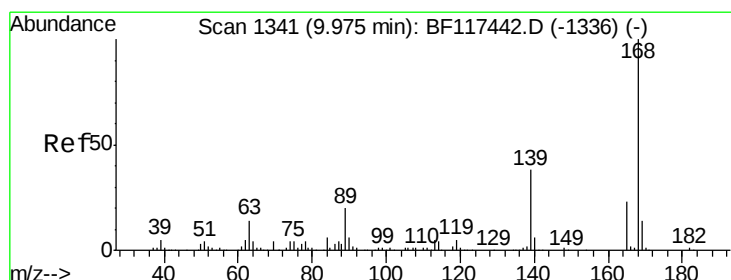
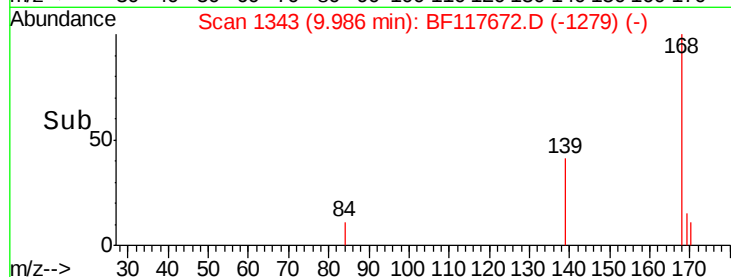
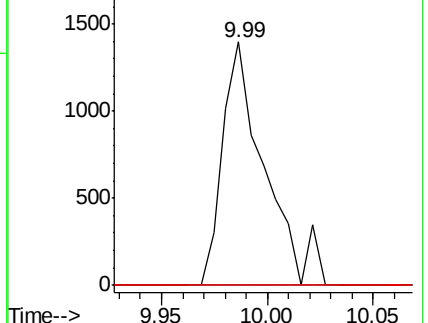


Abundance

Ion 139.00 (138.70 to 139.70): E

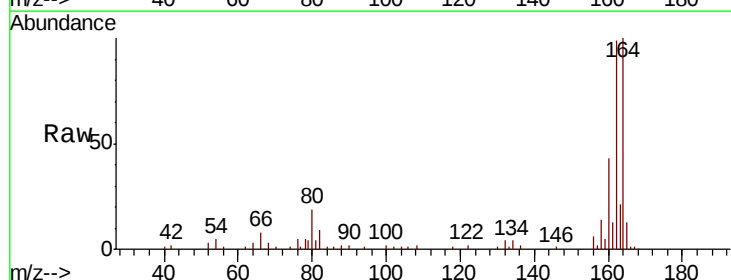
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.399 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt 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#



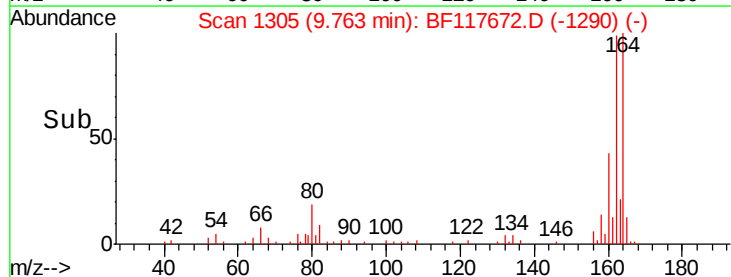
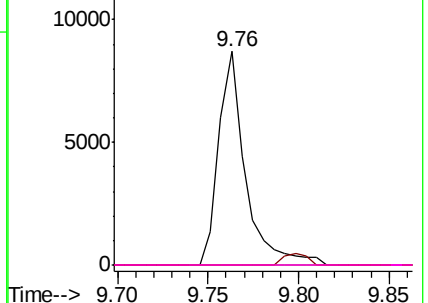
Abundance

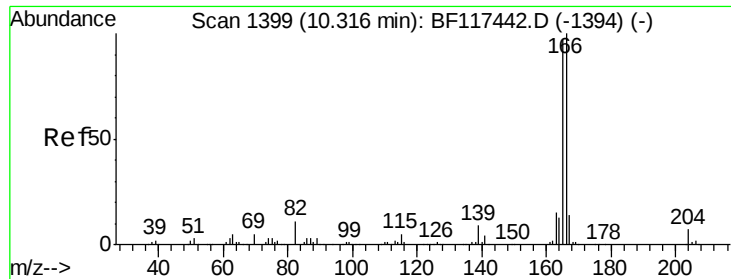
Ion 165.00 (164.70 to 165.70): E

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

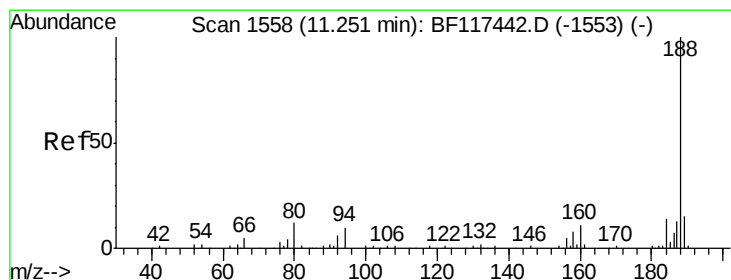
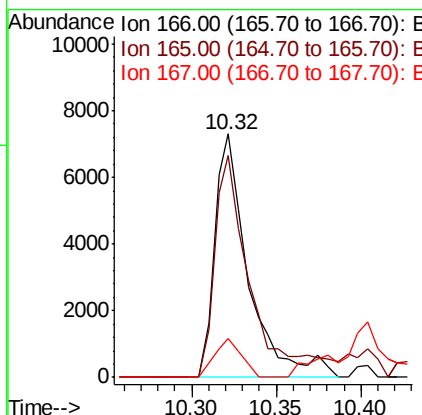
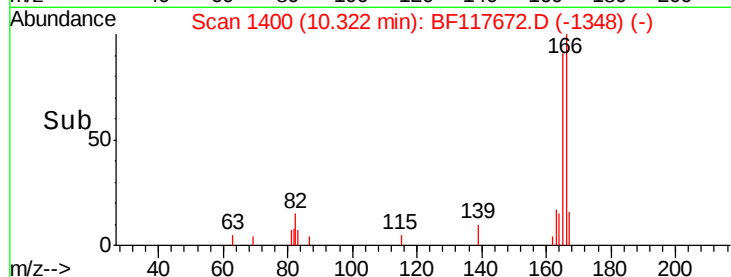
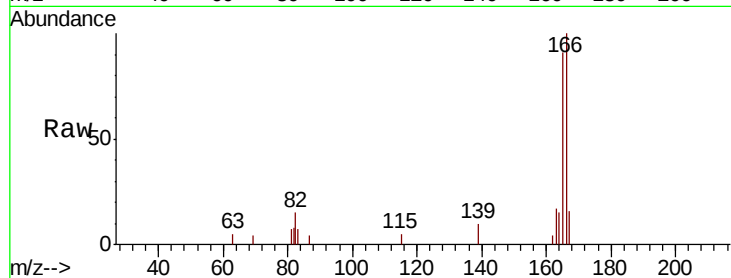




#58
 Fluorene
 Concen: 2.111 ng
 RT: 10.32 min Scan# 1400
 Delta R.T. 0.01 min
 Lab File: BF117672.D
 Acq: 31 Oct 2019 21:34

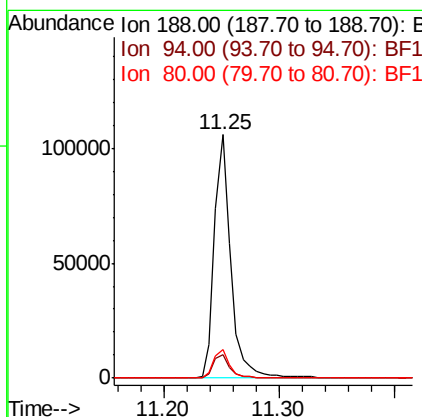
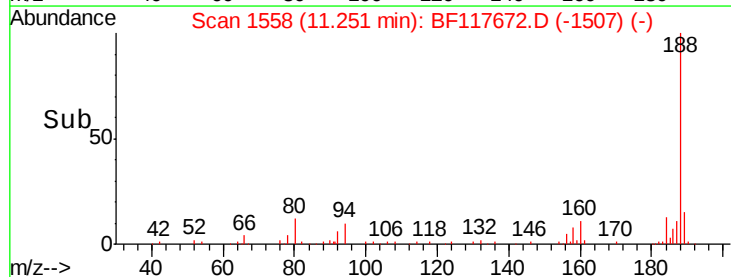
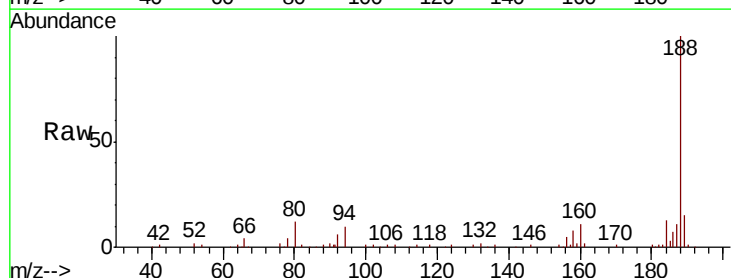
Instrument :
 BNA_F
 ClientSampleId :

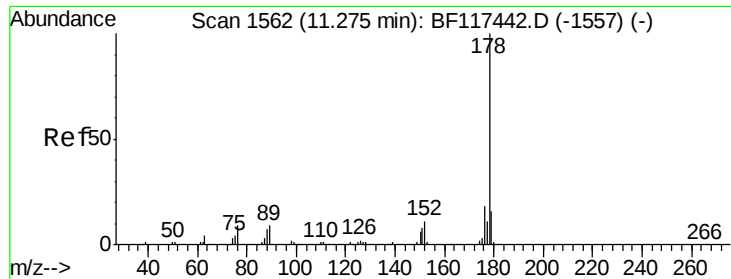
Tot Ion:166 Resp: 10137
 Ion Ratio Lower Upper
 166 100
 165 91.4 77.6 116.4
 167 15.9 11.0 16.4



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.25 min Scan# 1558
 Delta R.T. 0.00 min
 Lab File: BF117672.D
 Acq: 31 Oct 2019 21:34

Tgt Ion:188 Resp: 105203
 Ion Ratio Lower Upper
 188 100
 94 9.7 8.0 12.0
 80 11.9 9.5 14.3

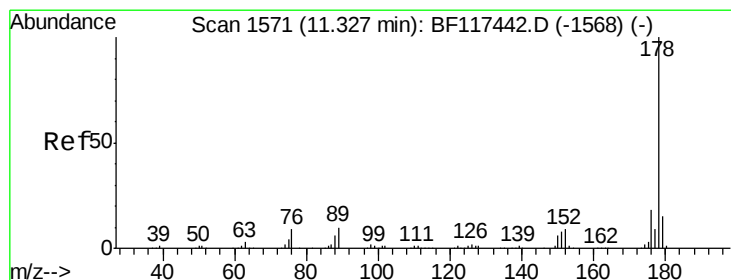
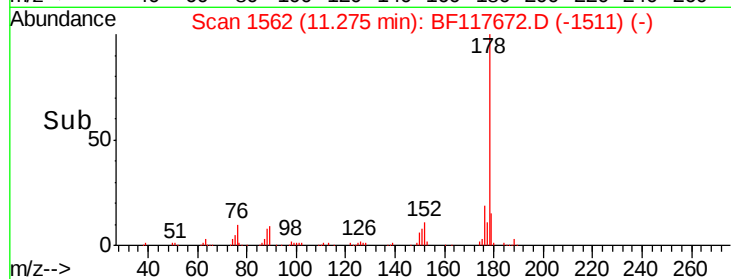
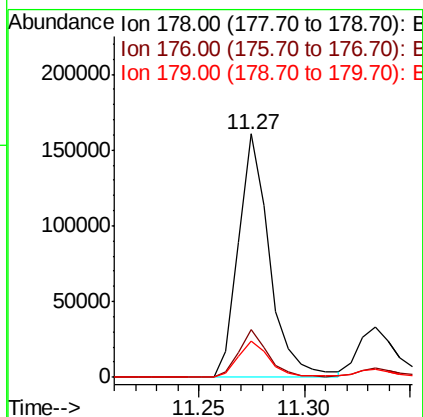
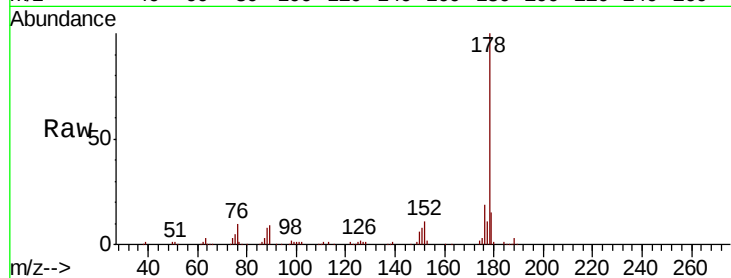




#71
Phenanthrene
Concen: 26.823 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

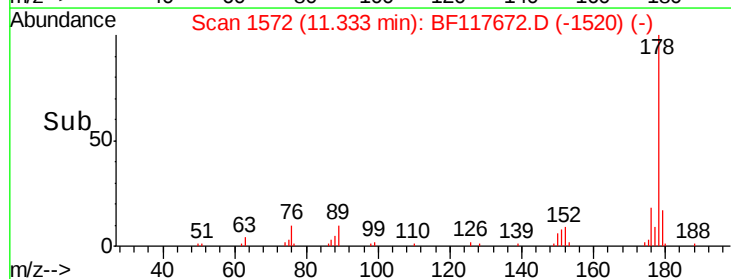
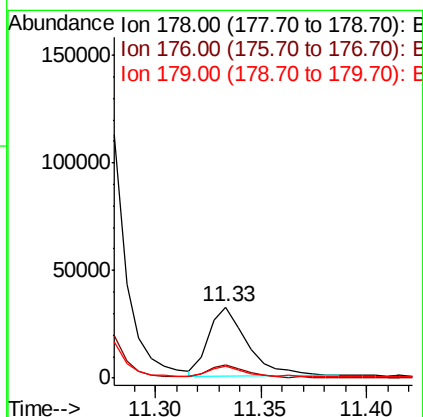
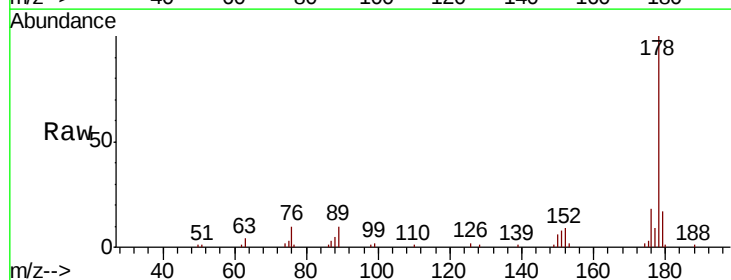
Instrument :
BNA_F
ClientSampleId :

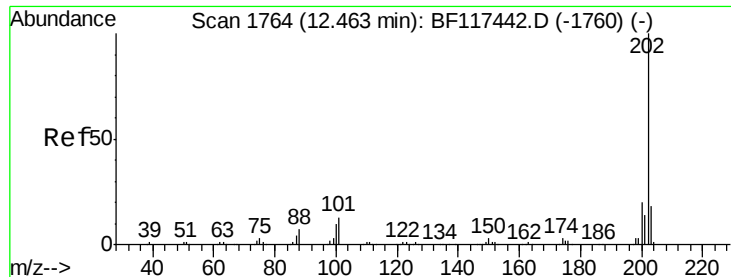
Tot Ion:178 Resp: 163858
Ion Ratio Lower Upper
178 100
176 19.4 14.6 22.0
179 15.0 12.6 19.0



#72
Anthracene
Concen: 6.615 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:178 Resp: 41461
Ion Ratio Lower Upper
178 100
176 17.7 14.7 22.1
179 17.1 12.2 18.2





#75

Fluoranthene

Concen: 29.266 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117672.D

Acq: 31 Oct 2019 21:34

Instrument :

BNA_F

ClientSampleId :

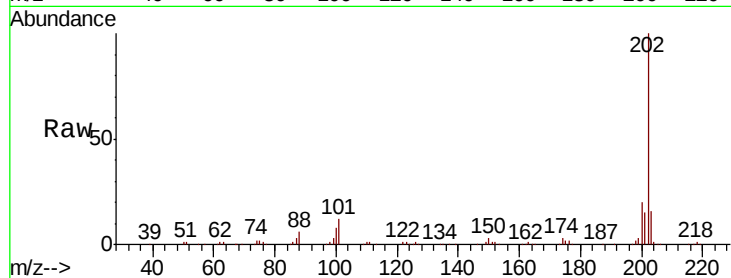
Tot Ion:202 Resp: 178974

Ion Ratio Lower Upper

202 100

101 11.9 0.0 32.7

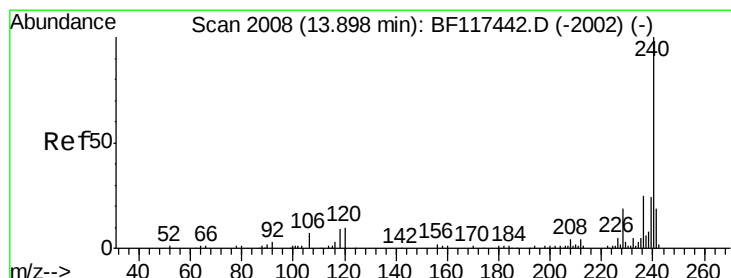
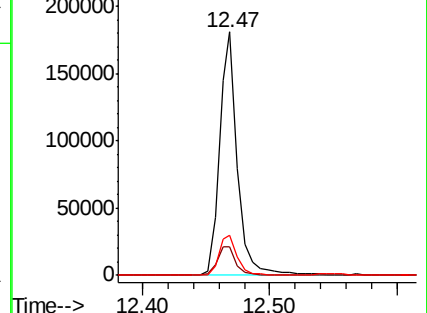
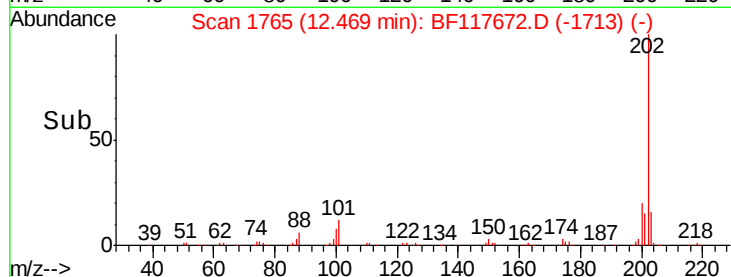
203 16.2 0.0 37.6



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: BF117672.D

Acq: 31 Oct 2019 21:34

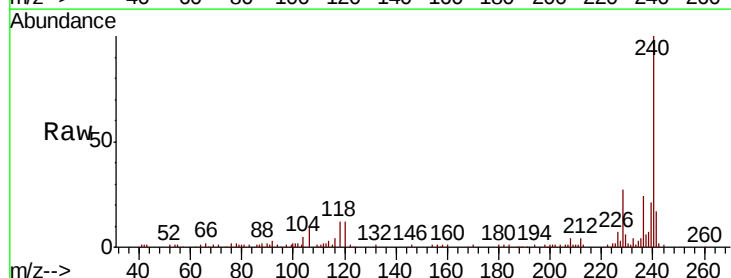
Tgt Ion:240 Resp: 70830

Ion Ratio Lower Upper

240 100

120 12.1 8.4 12.6

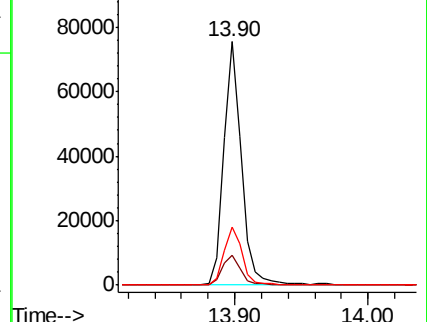
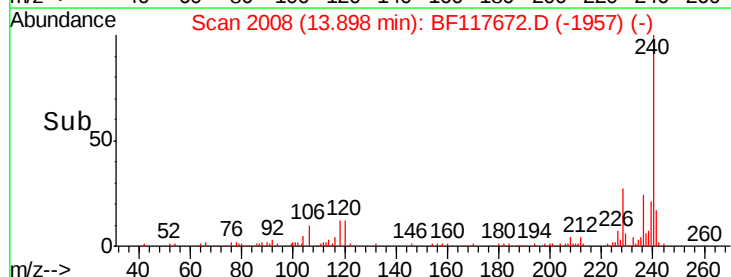
236 23.9 20.0 30.0

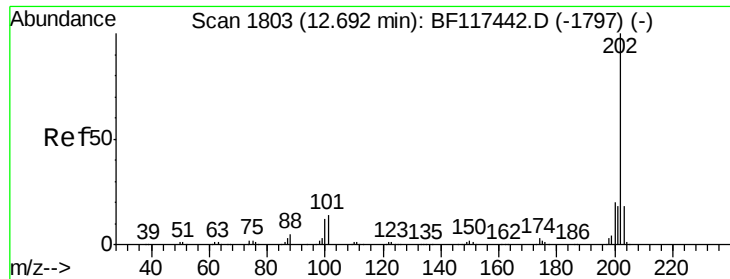


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

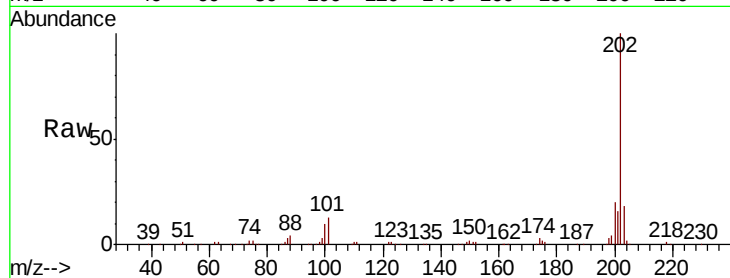




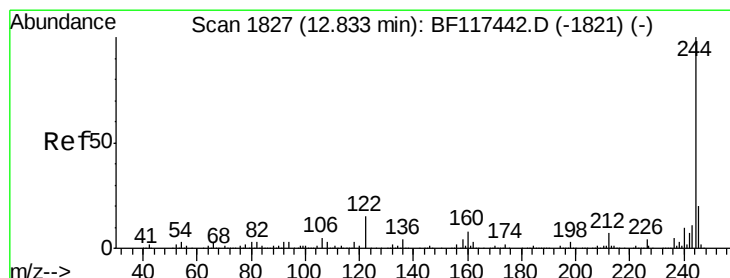
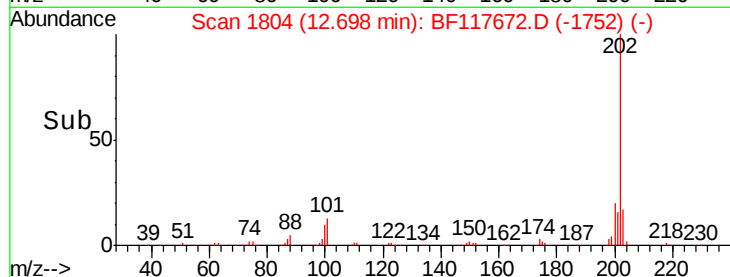
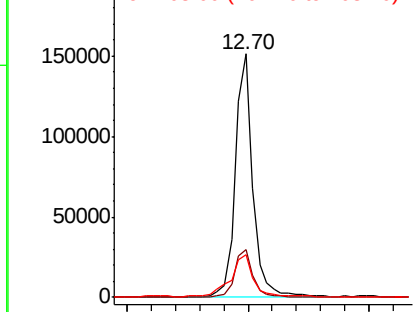
#78
Pvrene
Concen: 24.856 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 151223
Ion Ratio Lower Upper
202 100
200 19.7 16.2 24.2
203 17.5 14.0 21.0

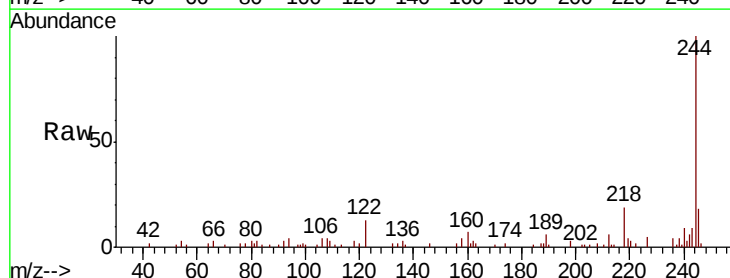


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

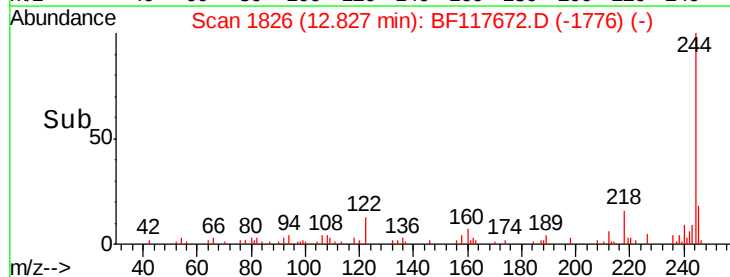
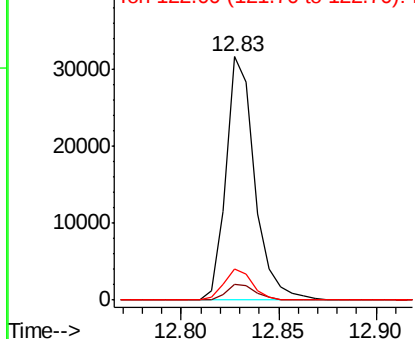


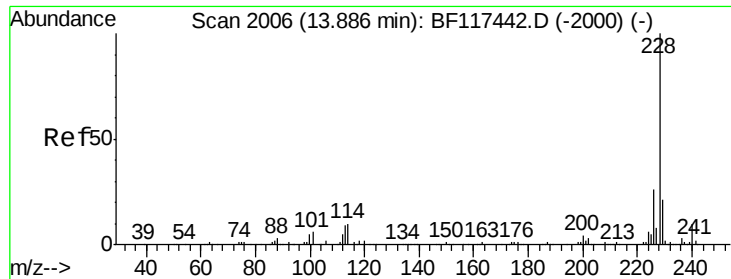
#79
Terphenyl-d14
Concen: 7.432 ng
RT: 12.83 min Scan# 1826
Delta R.T. -0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:244 Resp: 32272
Ion Ratio Lower Upper
244 100
212 6.3 5.8 8.6
122 13.0 11.8 17.8



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

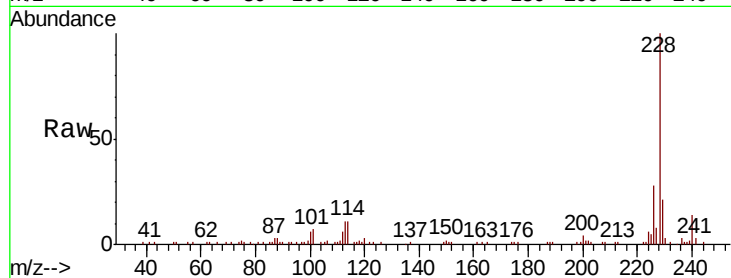




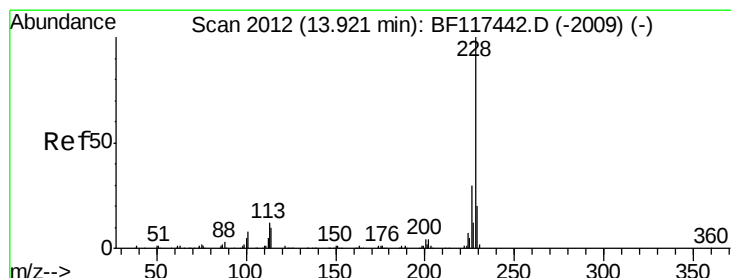
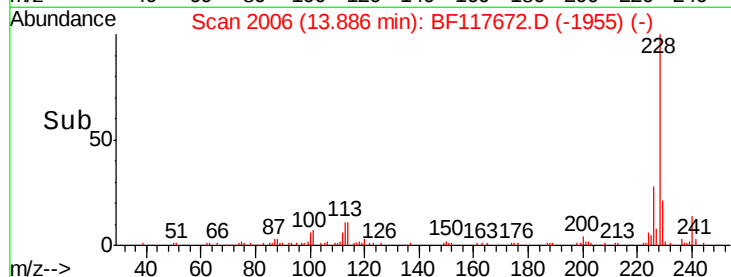
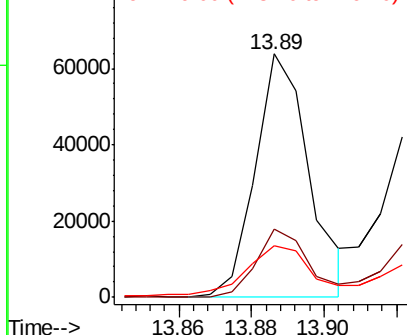
#81
Benzo(a)anthracene
Concen: 13.763 ng
RT: 13.89 min Scan# 2006
Delta R.T. 0.00 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 65757
Ion Ratio Lower Upper
228 100
226 28.3 21.0 31.4
229 21.3 16.4 24.6

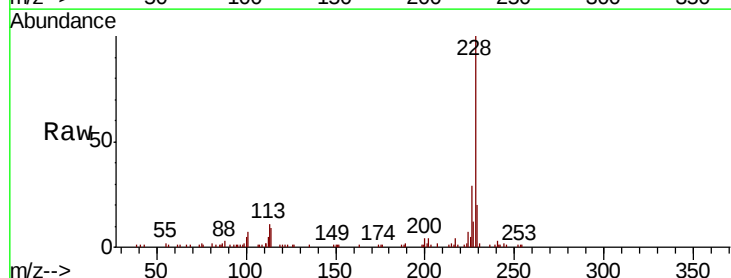


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

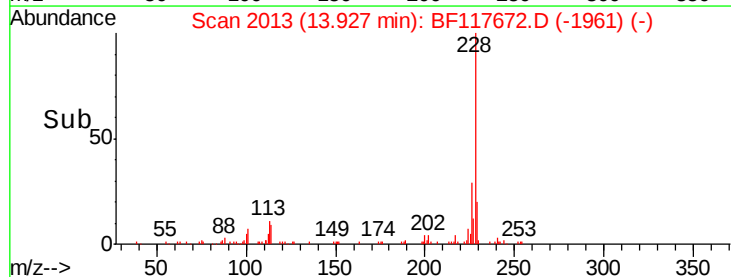
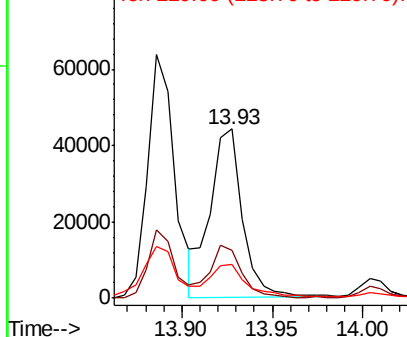


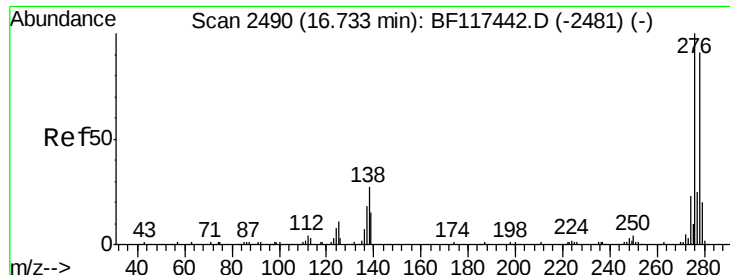
#83
Chrysene
Concen: 11.799 ng
RT: 13.93 min Scan# 2013
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:228 Resp: 55250
Ion Ratio Lower Upper
228 100
226 28.6 23.9 35.9
229 19.8 15.8 23.6



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

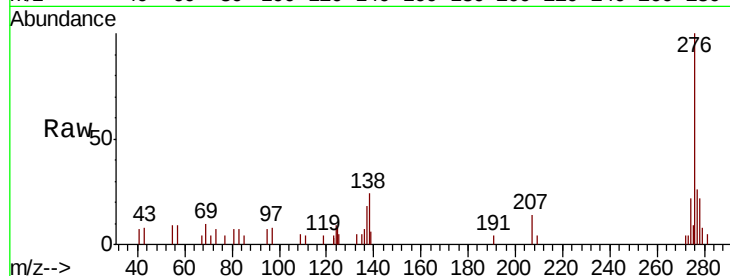




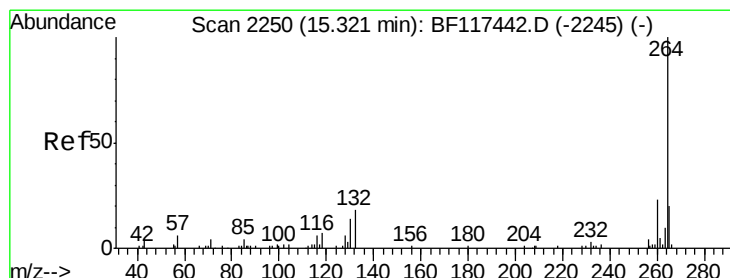
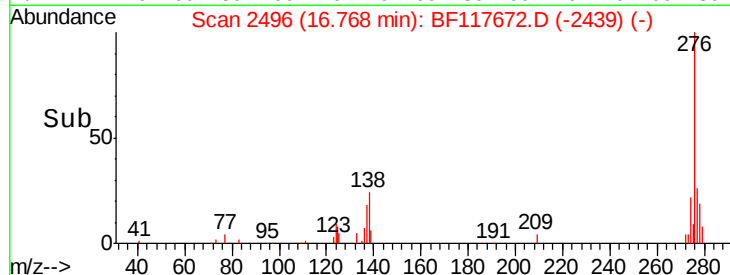
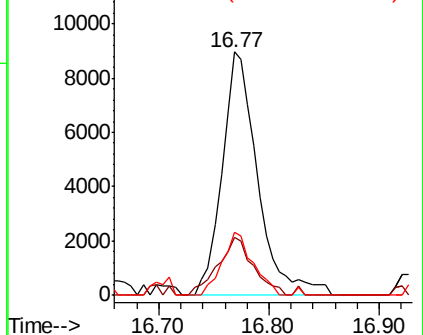
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.757 ng
 RT: 16.77 min Scan# 2496
 Delta R.T. 0.04 min
 Lab File: BF117672.D
 Acq: 31 Oct 2019 21:34

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	23.6	21.8	32.8
277	22.2	20.0	30.0

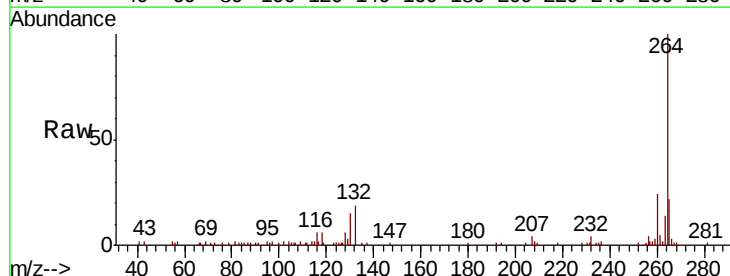


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

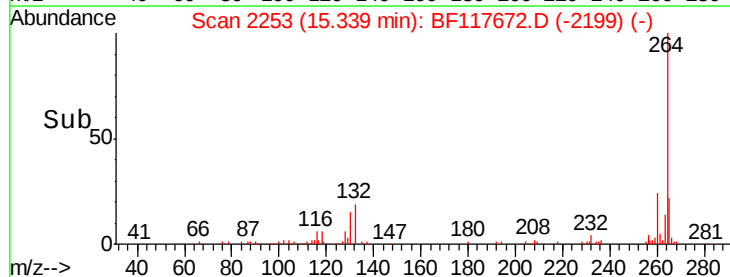
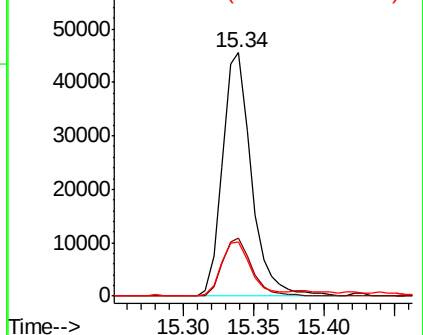


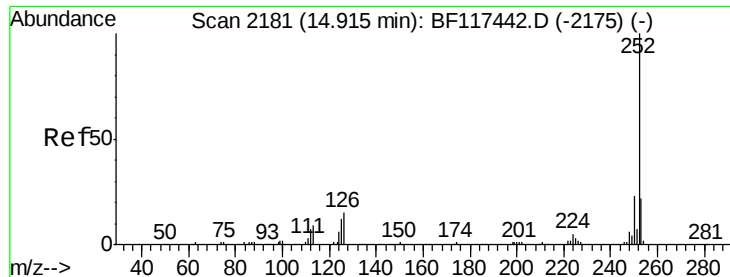
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.34 min Scan# 2253
 Delta R.T. 0.02 min
 Lab File: BF117672.D
 Acq: 31 Oct 2019 21:34

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.8	18.4	27.6
265	22.1	16.1	24.1



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

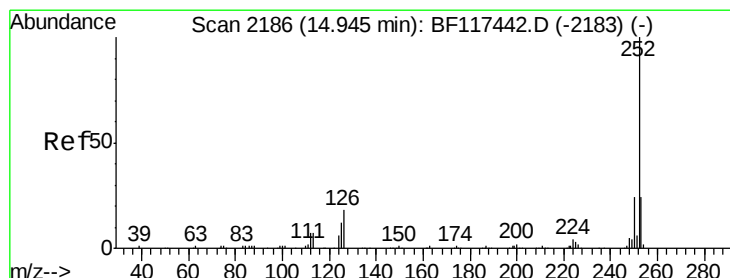
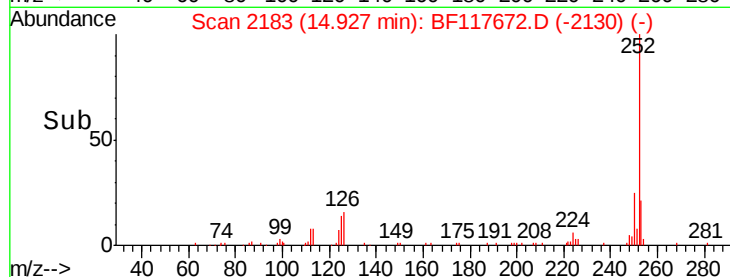
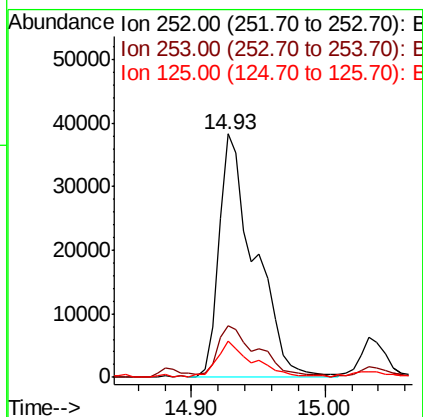
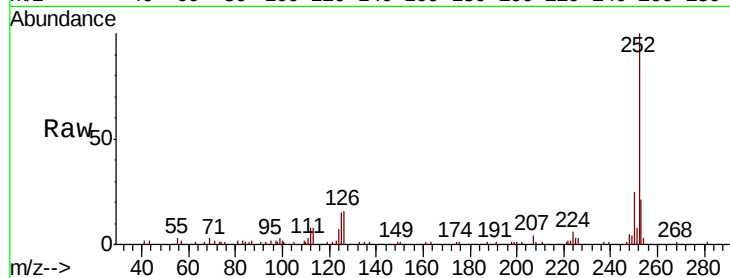




#88
Benzo(b)fluoranthene
Concen: 18.576 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

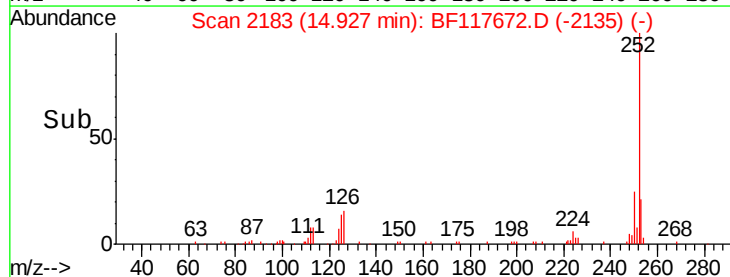
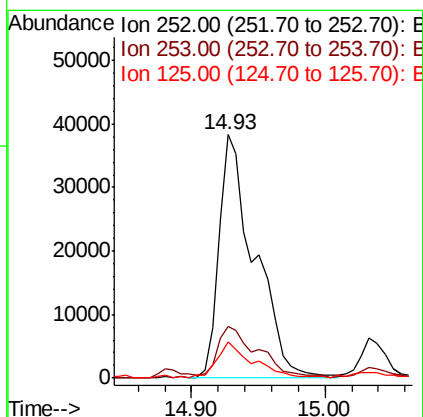
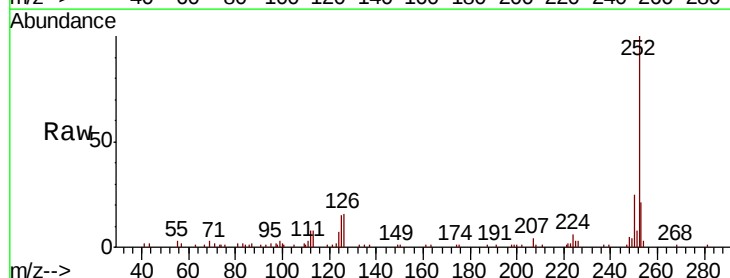
Instrument :
BNA_F
ClientSampleId :

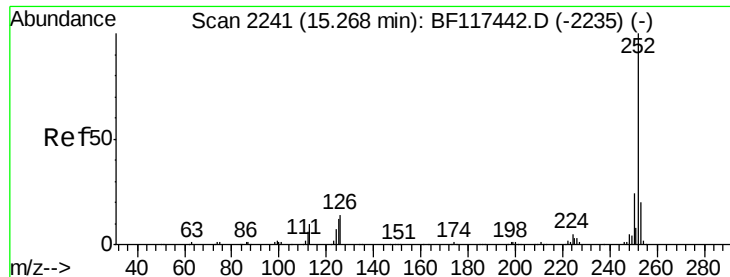
Tot Ion:252 Resp: 71744
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.6
125 14.9 9.9 14.9



#89
Benzo(k)fluoranthene
Concen: 18.124 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:252 Resp: 71744
Ion Ratio Lower Upper
252 100
253 21.4 18.0 27.0
125 14.9 8.9 13.3#

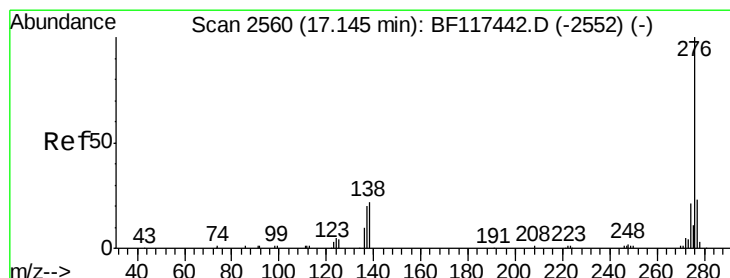
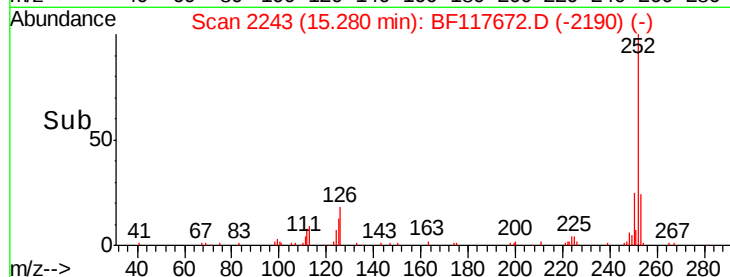
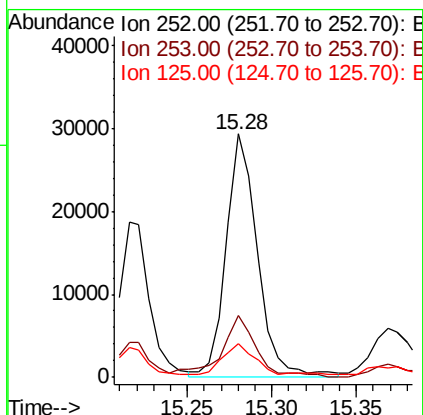
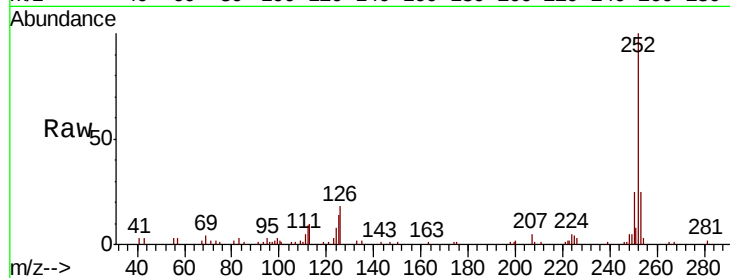




#90
Benzo(a)pyrene
Concen: 10.855 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 38118
Ion Ratio Lower Upper
252 100
253 25.2 16.3 24.5#
125 14.0 9.2 13.8#



#92
Benzo(g,h,i)perylene
Concen: 5.757 ng
RT: 17.21 min Scan# 2571
Delta R.T. 0.06 min
Lab File: BF117672.D
Acq: 31 Oct 2019 21:34

Tgt Ion:276 Resp: 16538
Ion Ratio Lower Upper
276 100
277 22.8 18.4 27.6
138 24.6 17.8 26.6

