

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF103119\
 Data File : BF117668.D
 Acq On : 31 Oct 2019 19:46
 Operator : JU
 Sample : K5576-19DL 10X
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 01 01:23:02 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	36237	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	173587	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	85157	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	122816	20.00	ng	0.00
76) Chrysene-d12	13.90	240	76663	20.00	ng	0.00
87) Perylene-d12	15.34	264	71668	20.00	ng	0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	5744	2.36	ng	0.06
7) Phenol-d6	6.44	99	21110	6.45	ng	0.06
23) Nitrobenzene-d5	7.33	82	11743	3.34	ng	0.02
42) 2,4,6-Tribromophenol	10.57	330	3498	4.75	ng	0.00
45) 2-Fluorobiphenyl	9.09	172	25270	4.18	ng	0.00
79) Terphenyl-d14	12.83	244	18729	3.98	ng	0.00

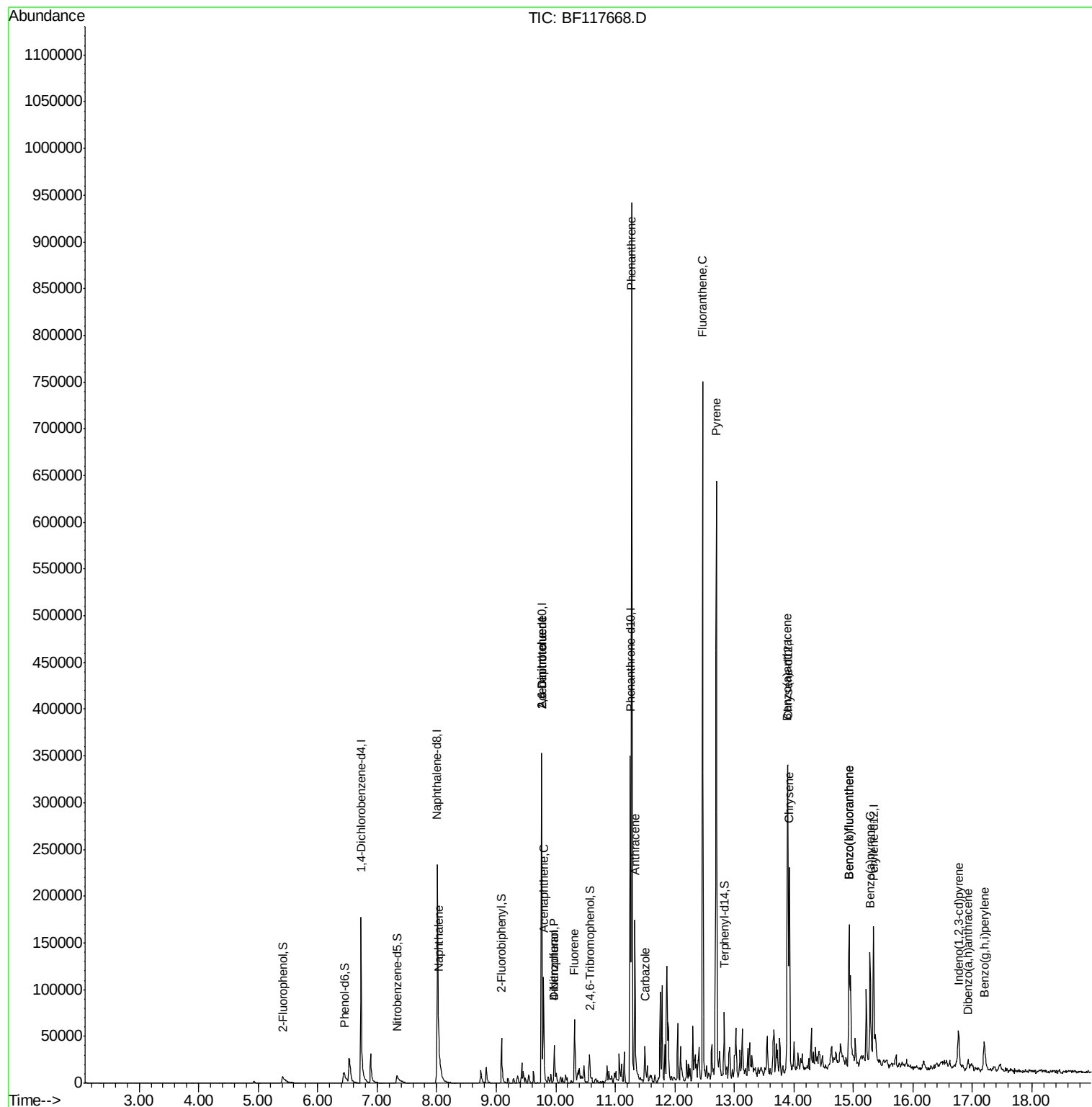
Target Compounds				Qvalue		
31) Naphthalene	8.03	128	18321	2.129	ng	96
51) 2,6-Dinitrotoluene	9.76	165	11843	9.349	ng	# 24
52) Acenaphthene	9.79	154	27449	5.730	ng	98
55) Dibenzofuran	9.97	168	23679	3.412	ng	100
56) 4-Nitrophenol	9.97	139	8988	16.178	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	11843	7.032	ng	# 14
58) Fluorene	10.32	166	26775	4.665	ng	97
71) Phenanthrene	11.27	178	346774	48.626	ng	98
72) Anthracene	11.33	178	93290	12.749	ng	97
73) Carbazole	11.50	167	18562	2.776	ng	95
75) Fluoranthene	12.47	202	281769	39.468	ng	99
77) Benzidine	12.83	184	113	Below Cal	#	67
78) Pvrene	12.70	202	256045	38.883	ng	100
81) Benzo(a)anthracene	13.89	228	92651	17.917	ng	99
83) Chrysene	13.92	228	82484	16.275	ng	98
86) Indeno(1,2,3-cd)pyrene	16.77	276	31002	8.193	ng	98
88) Benzo(b)fluoranthene	14.93	252	103468	24.448	ng	99
89) Benzo(k)fluoranthene	14.93	252	103468	23.854	ng	98
90) Benzo(a)pvrene	15.28	252	58715	15.259	ng	94
91) Dibenzo(a,h)anthracene	16.93	278	8061	2.423	ng	95
92) Benzo(g,h,i)perylene	17.20	276	27964	8.883	ng	# 93

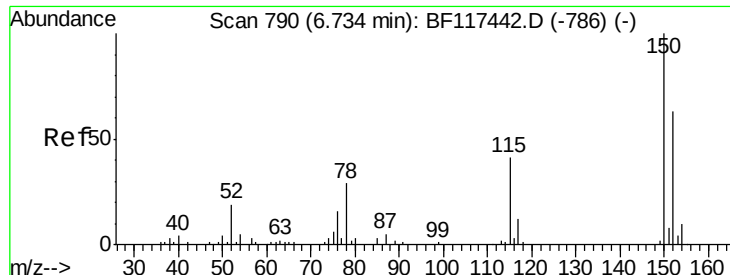
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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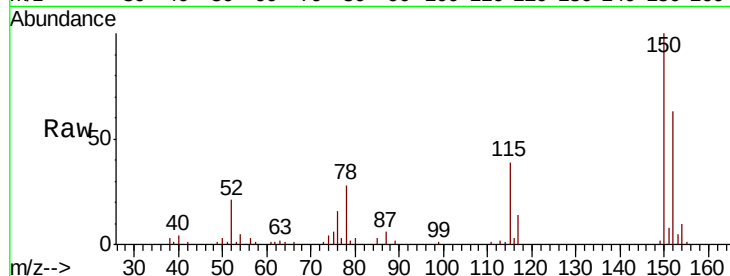


#1

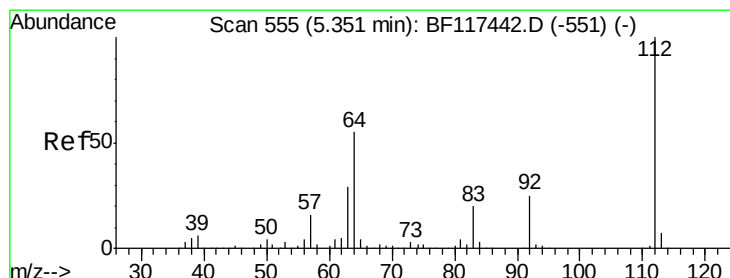
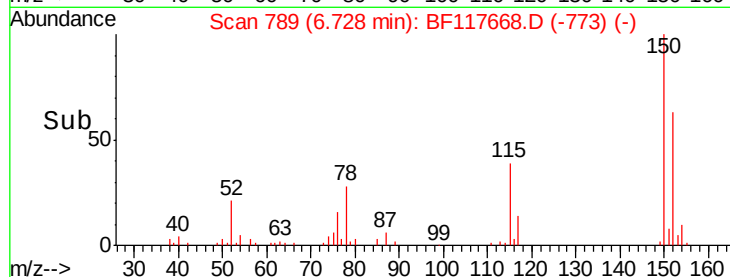
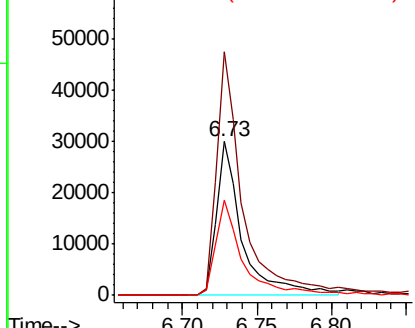
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 36237
Ion Ratio Lower Upper
152 100
150 158.1 126.8 190.2
115 61.8 51.6 77.4



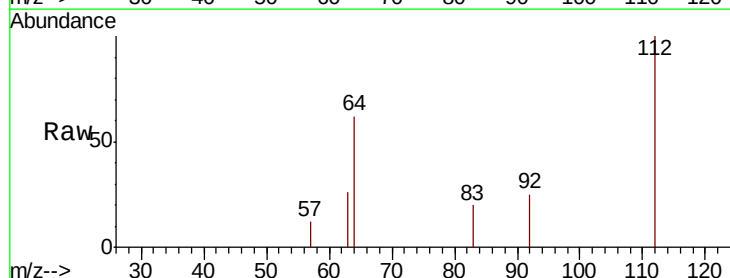
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



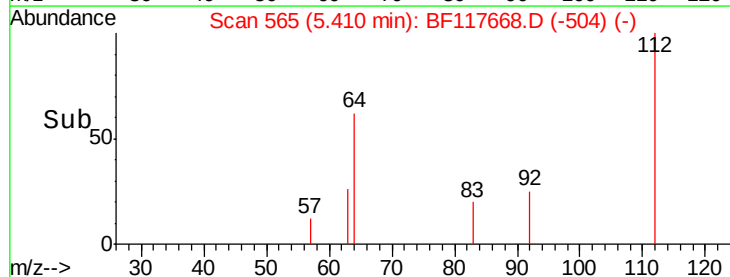
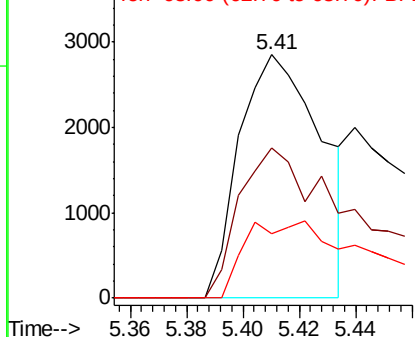
#5

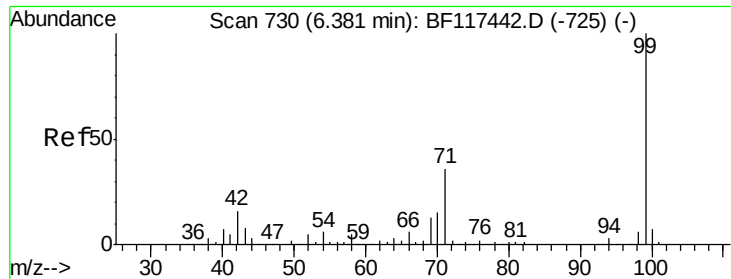
2-Fluorophenol
Concen: 2.358 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.06 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:112 Resp: 5744
Ion Ratio Lower Upper
112 100
64 61.6 44.1 66.1
63 26.4 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: 6.453 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.06 min

Lab File: BF117668.D

Acq: 31 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

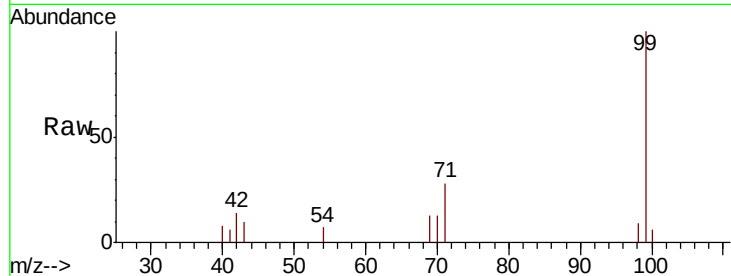
Tot Ion: 99 Resp: 21110

Ion Ratio Lower Upper

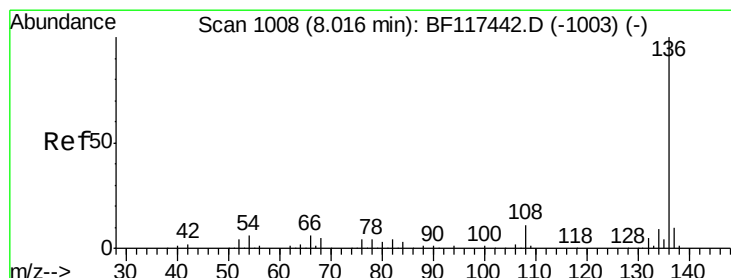
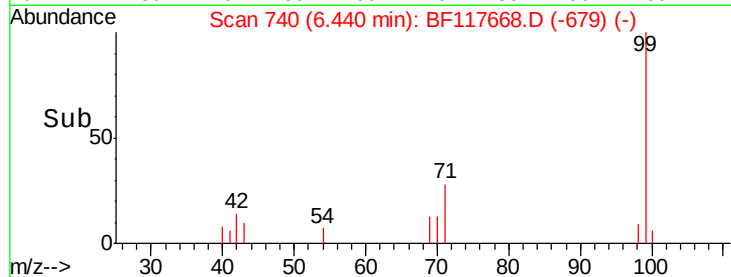
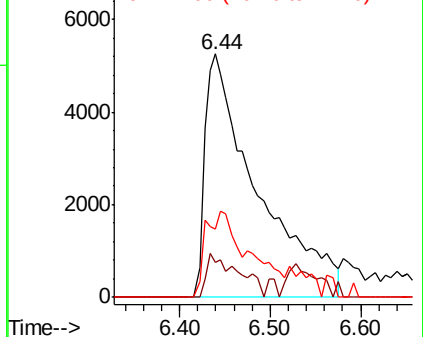
99 100

42 14.4 12.8 19.2

71 28.1 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: BF117668.D

Acq: 31 Oct 2019 19:46

Tgt Ion: 136 Resp: 173587

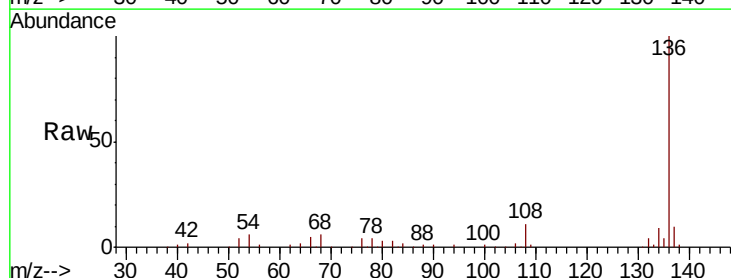
Ion Ratio Lower Upper

136 100

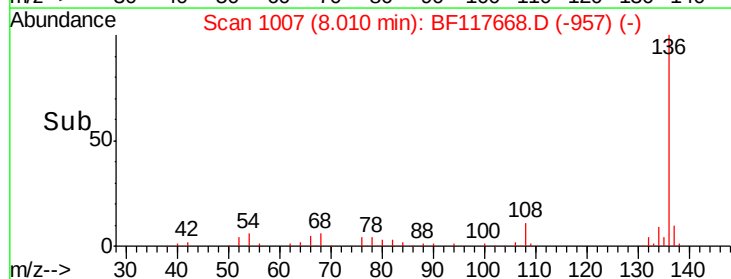
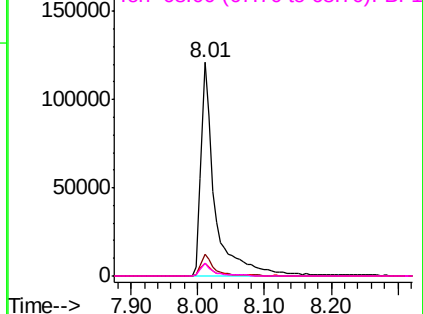
137 10.2 8.2 12.4

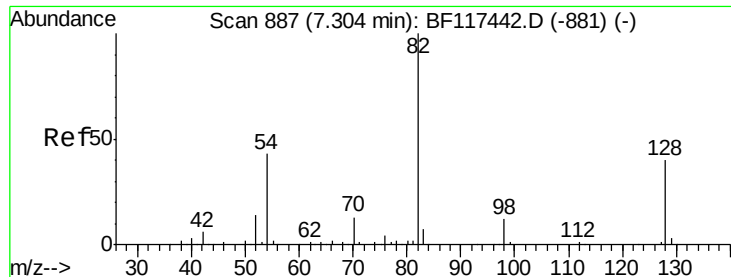
54 5.9 4.5 6.7

68 5.7 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

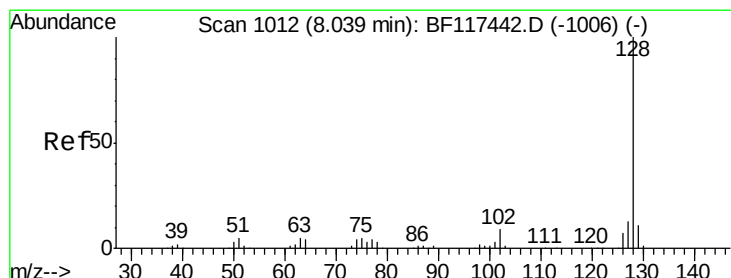
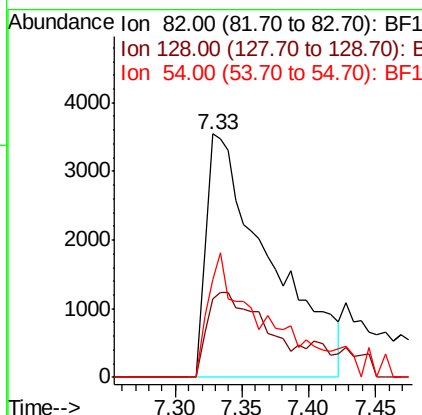
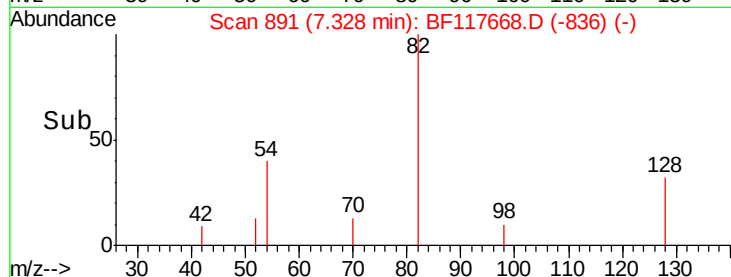
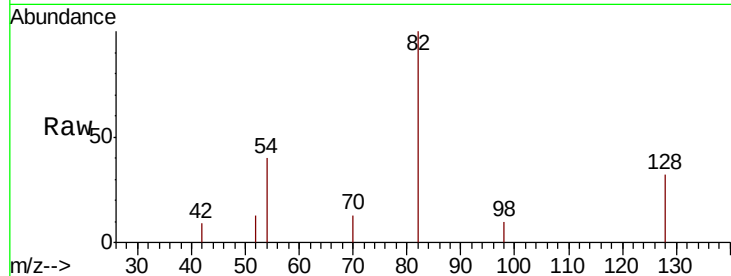




#23
Nitrobenzene-d5
Concen: 3.340 ng
RT: 7.33 min Scan# 891
Delta R.T. 0.02 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

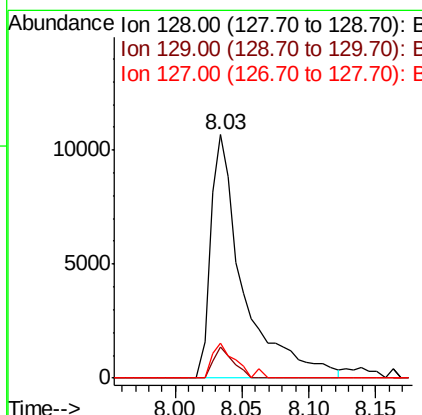
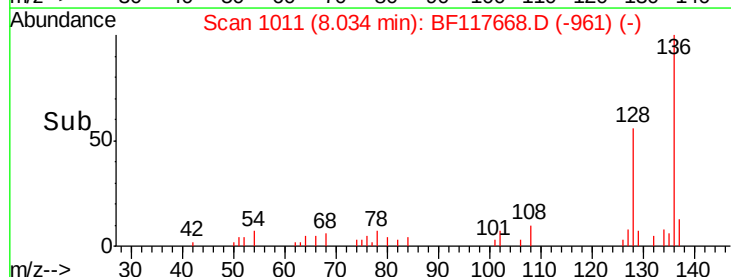
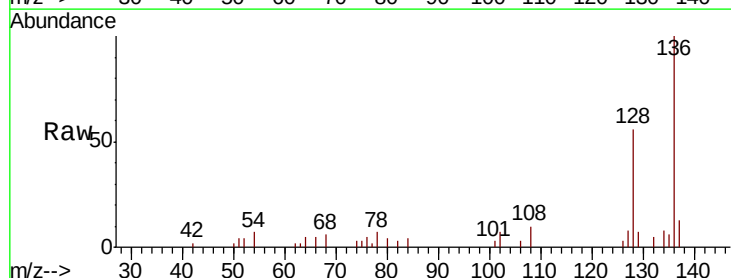
Instrument :
BNA_F
ClientSampleId :

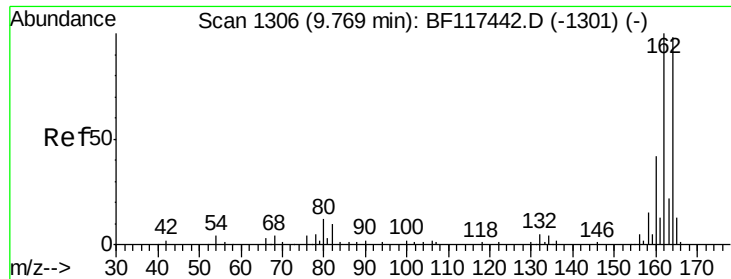
Tot Ion: 82 Resp: 11743
Ion Ratio Lower Upper
82 100
128 32.1 32.2 48.2#
54 40.4 34.2 51.2



#31
Naphthalene
Concen: 2.129 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion: 128 Resp: 18321
Ion Ratio Lower Upper
128 100
129 12.8 9.0 13.4
127 14.4 10.2 15.2

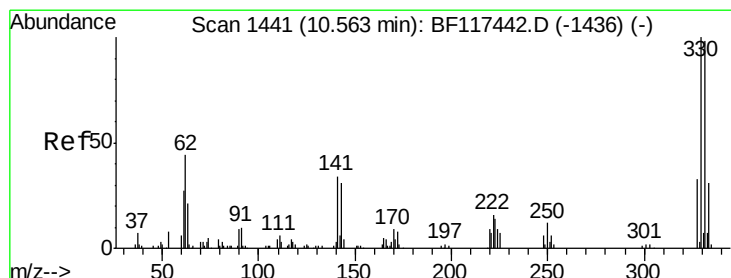
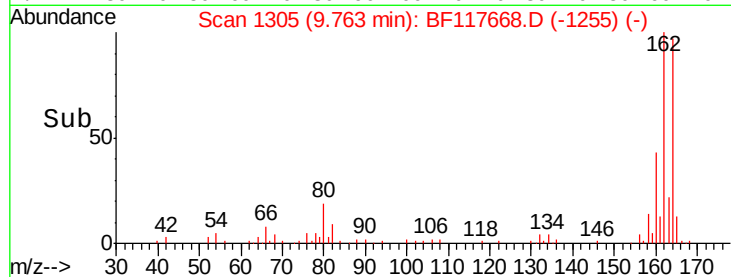
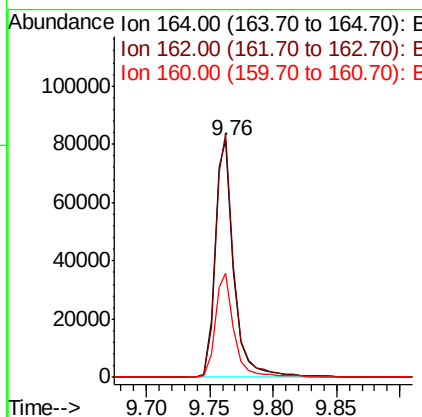
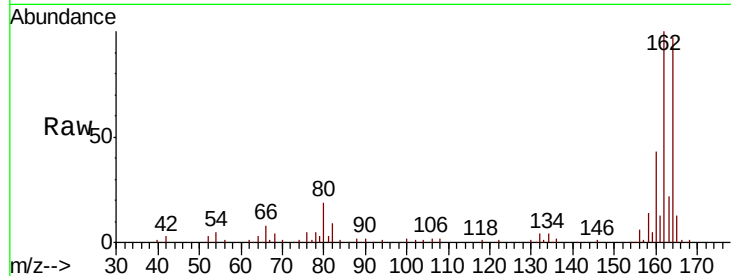




#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. -0.01 min
 Lab File: BF117668.D
 Acq: 31 Oct 2019 19:46

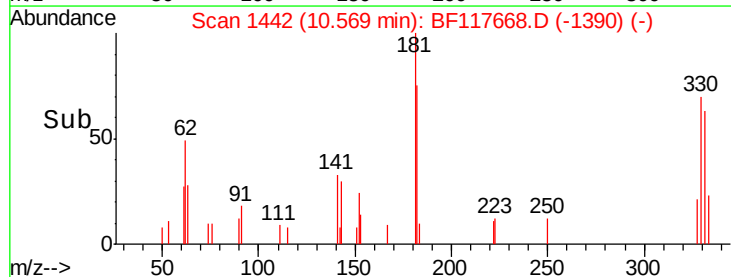
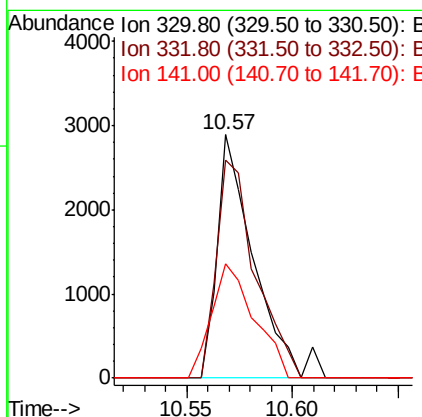
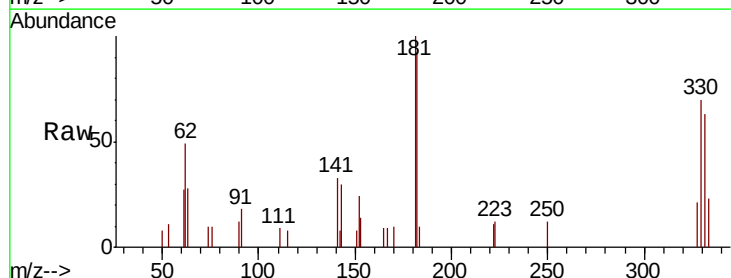
Instrument :
 BNA_F
 ClientSampleId :

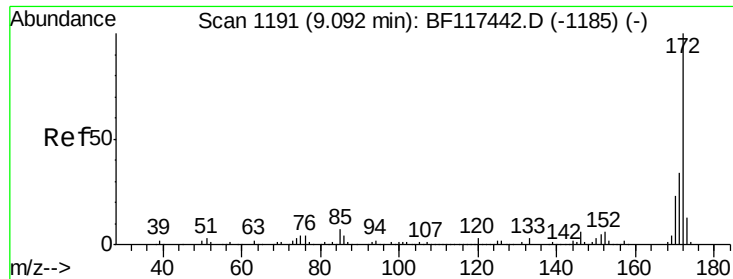
Tot Ion:164 Resp: 85157
 Ion Ratio Lower Upper
 164 100
 162 102.9 81.8 122.6
 160 44.2 34.4 51.6



#42
 2,4,6-Tribromophenol
 Concen: 4.747 ng
 RT: 10.57 min Scan# 1442
 Delta R.T. 0.01 min
 Lab File: BF117668.D
 Acq: 31 Oct 2019 19:46

Tgt Ion:330 Resp: 3498
 Ion Ratio Lower Upper
 330 100
 332 94.9 78.5 117.7
 141 55.1 37.0 55.6

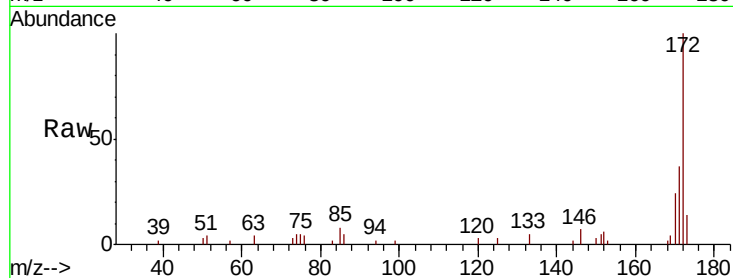




#45
 2-Fluorobiphenyl
 Concen: 4.181 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF117668.D
 Acq: 31 Oct 2019 19:46

Instrument :
 BNA_F
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
172	100		
171	36.6	27.5	41.3
170	24.2	18.6	27.8

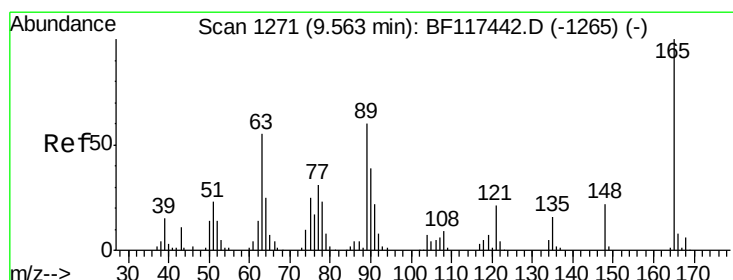
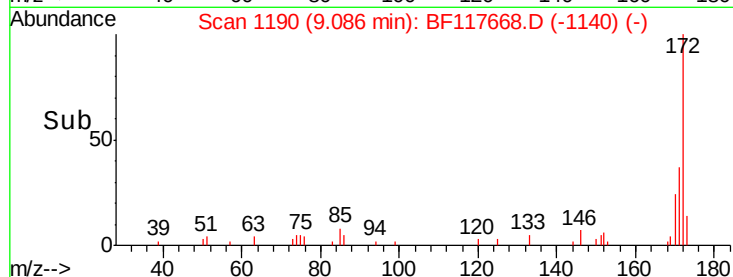
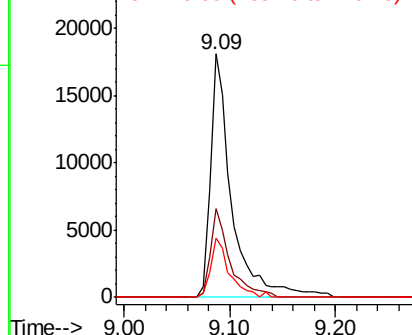


Abundance

Ion 172.00 (171.70 to 172.70): E

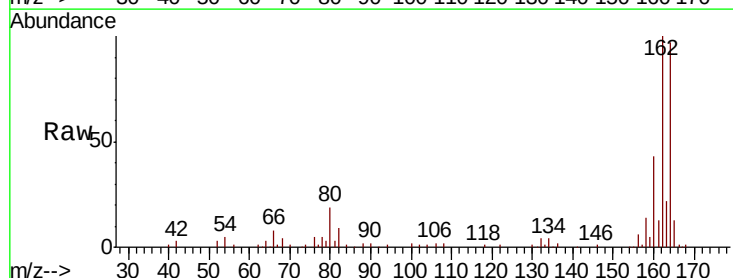
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#51
 2,6-Dinitrotoluene
 Concen: 9.349 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF117668.D
 Acq: 31 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
165	100		
63	3.0	43.8	65.8#
89	0.0	47.6	71.4#

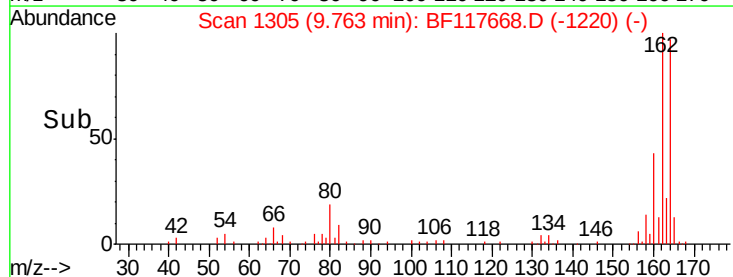
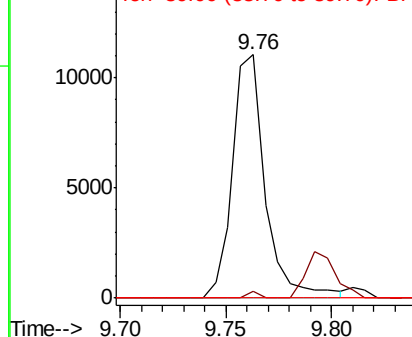


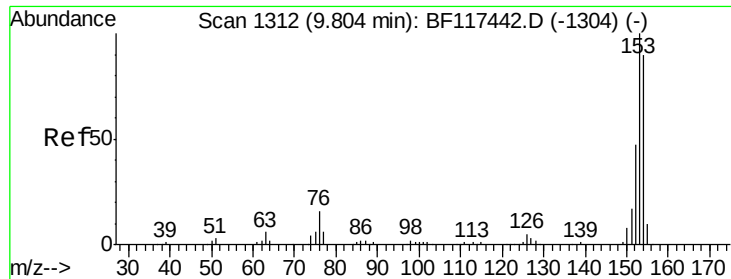
Abundance

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





#52

Acenaphthene

Concen: 5.730 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF117668.D

Acq: 31 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

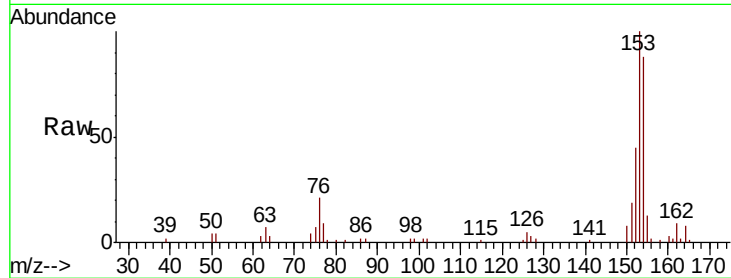
Tot Ion:154 Resp: 27449

Ion Ratio Lower Upper

154 100

153 113.5 89.2 133.8

152 51.0 41.8 62.6

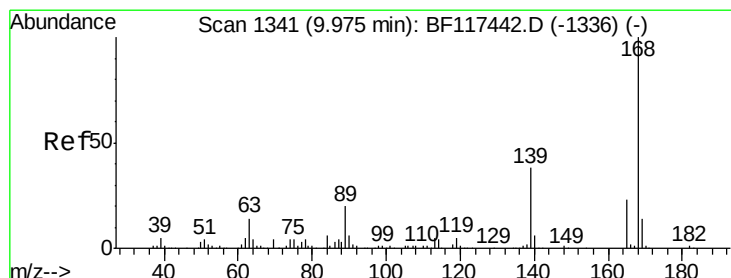
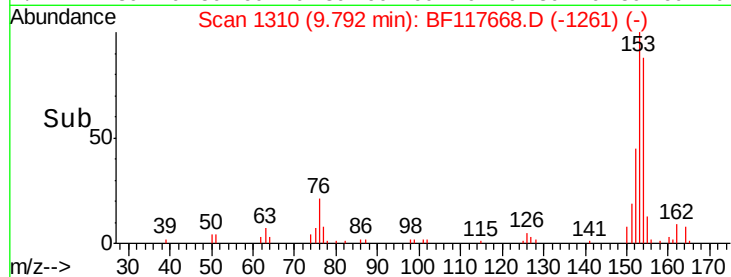
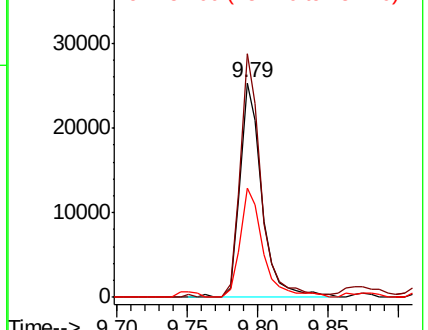


Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#55

Dibenzofuran

Concen: 3.412 ng

RT: 9.97 min Scan# 1341

Delta R.T. 0.00 min

Lab File: BF117668.D

Acq: 31 Oct 2019 19:46

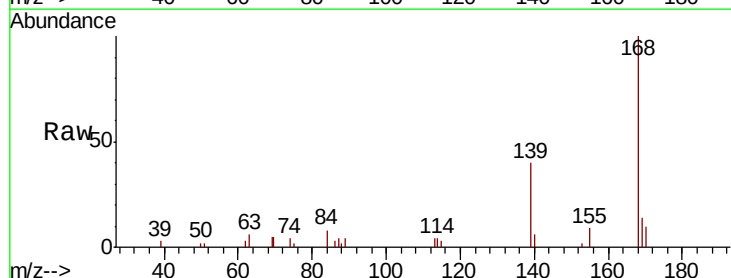
Tgt Ion:168 Resp: 23679

Ion Ratio Lower Upper

168 100

139 39.8 31.8 47.6

169 14.0 11.2 16.8

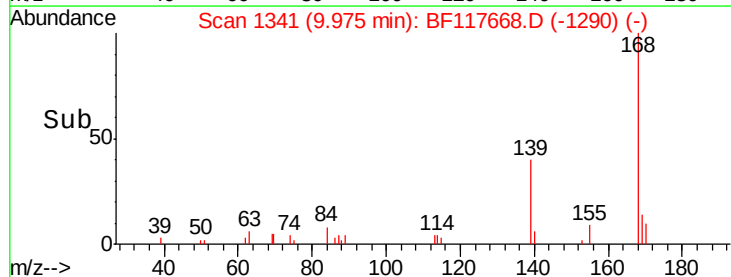
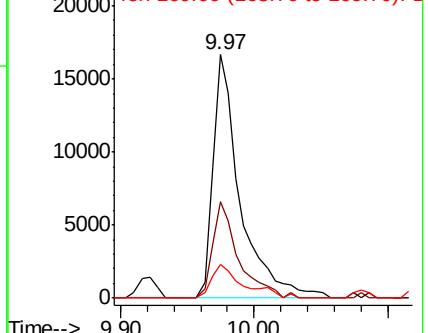


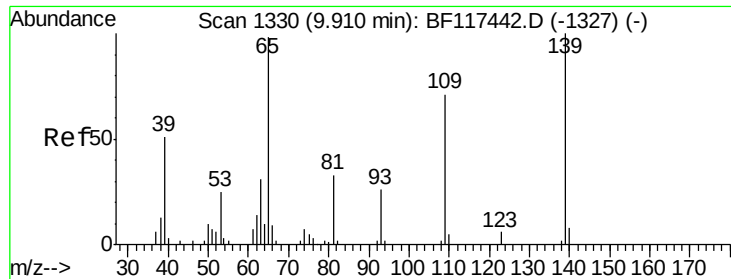
Abundance

Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

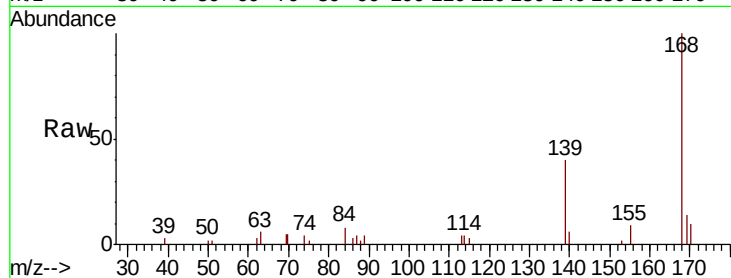




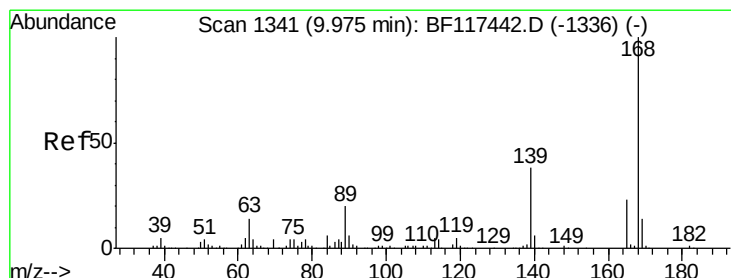
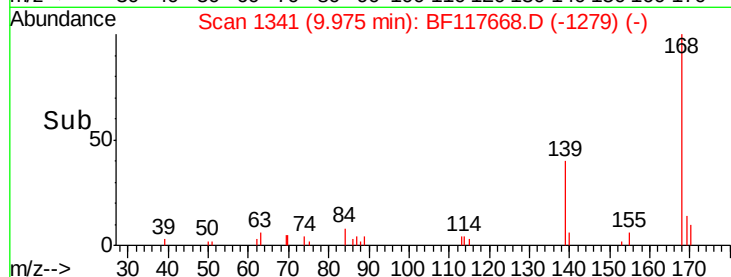
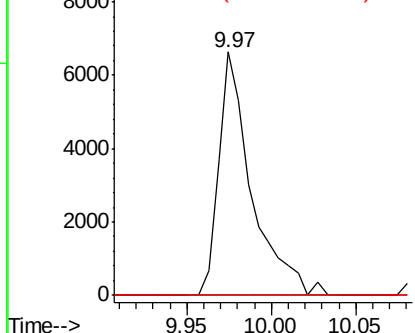
#56
4-Nitrophenol
Concen: 16.178 ng
RT: 9.97 min Scan# 1341
Delta R.T. 0.07 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:139 Resp: 8988
Ion Ratio Lower Upper
139 100
109 0.0 51.4 91.4#
65 0.0 79.4 119.4#

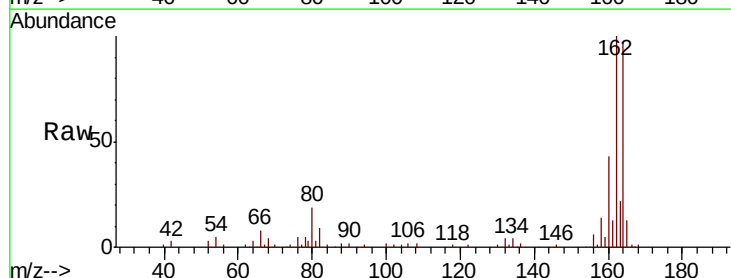


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

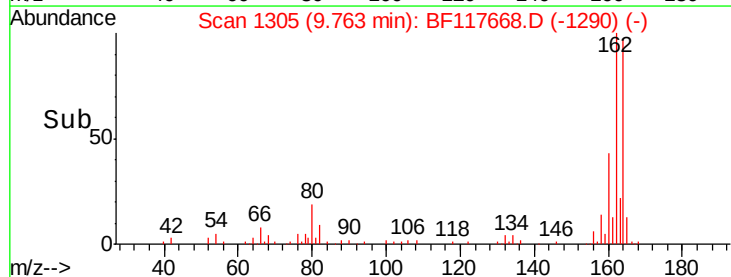
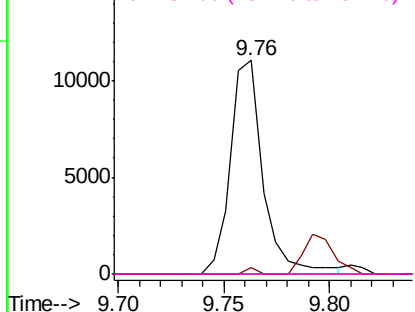


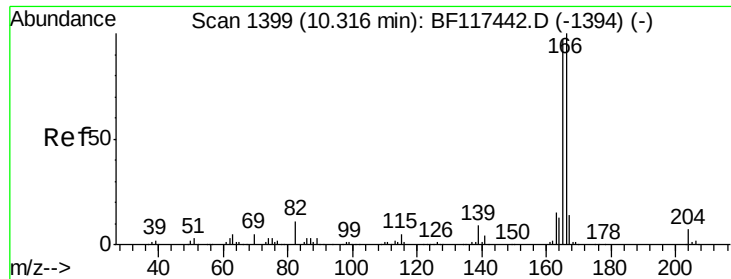
#57
2,4-Dinitrotoluene
Concen: 7.032 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.21 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:165 Resp: 11843
Ion Ratio Lower Upper
165 100
63 3.0 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): BF1





#58

Fluorene

Concen: 4.665 ng

RT: 10.32 min Scan# 1399

Delta R.T. 0.00 min

Lab File: BF117668.D

Acq: 31 Oct 2019 19:46

Instrument :

BNA_F

ClientSampled :

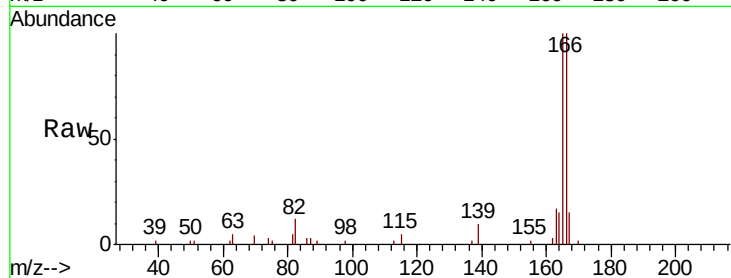
Tot Ion:166 Resp: 26775

Ion Ratio Lower Upper

166 100

165 99.9 77.6 116.4

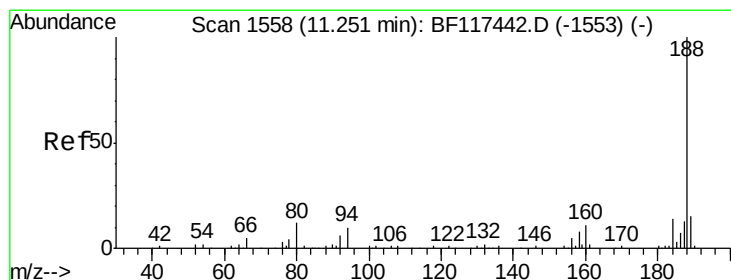
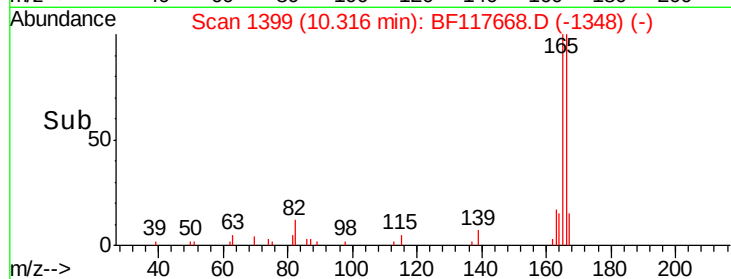
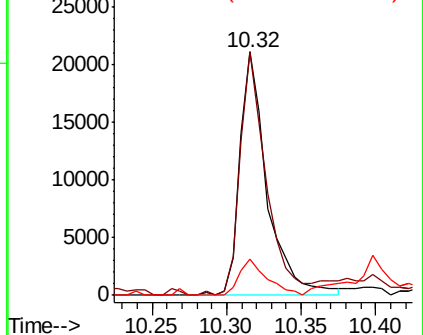
167 14.8 11.0 16.4



Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. 0.00 min

Lab File: BF117668.D

Acq: 31 Oct 2019 19:46

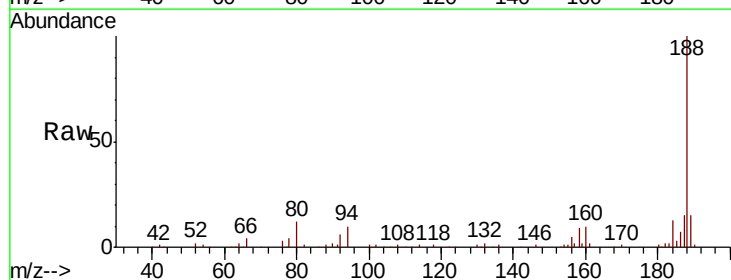
Tgt Ion:188 Resp: 122816

Ion Ratio Lower Upper

188 100

94 9.5 8.0 12.0

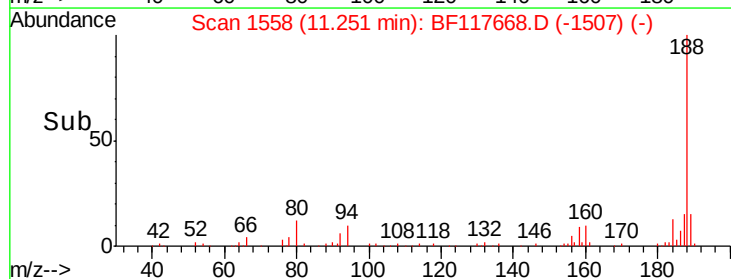
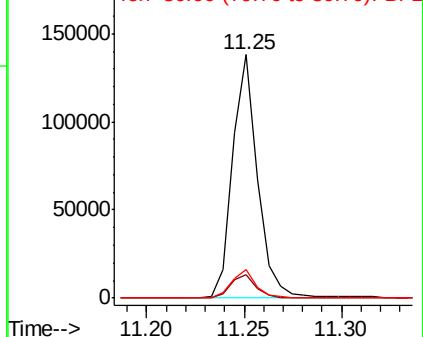
80 11.7 9.5 14.3

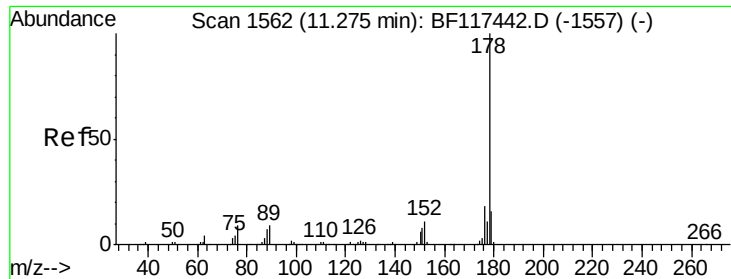


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

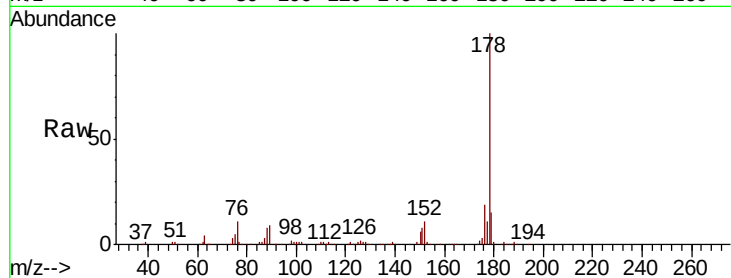




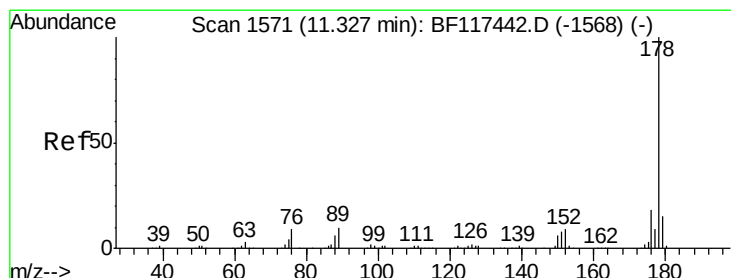
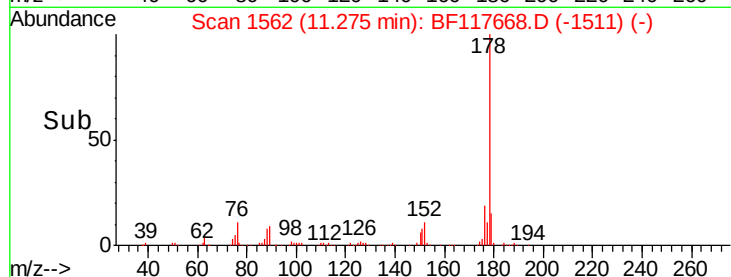
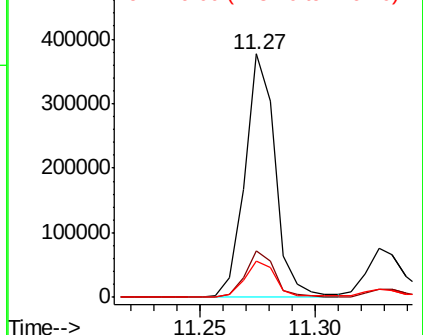
#71
Phenanthrene
Concen: 48.626 ng
RT: 11.27 min Scan# 1562
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:178 Resp: 346774
Ion Ratio Lower Upper
178 100
176 19.0 14.6 22.0
179 15.0 12.6 19.0

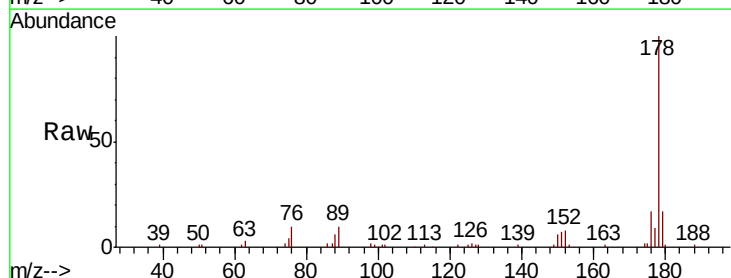


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

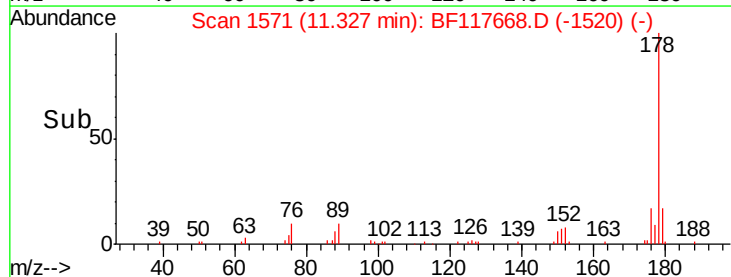
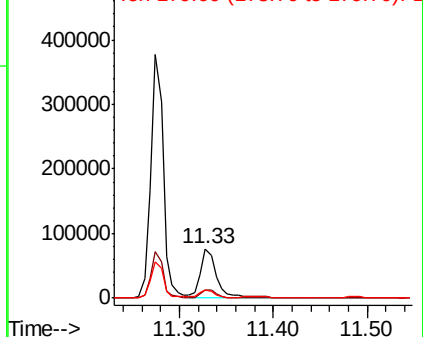


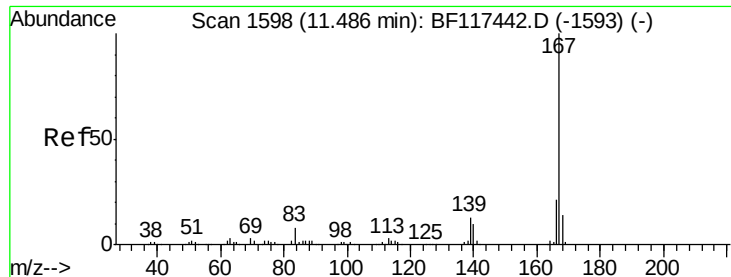
#72
Anthracene
Concen: 12.749 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:178 Resp: 93290
Ion Ratio Lower Upper
178 100
176 17.0 14.7 22.1
179 16.7 12.2 18.2



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





#73

Carbazole

Concen: 2.776 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF117668.D

Acq: 31 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

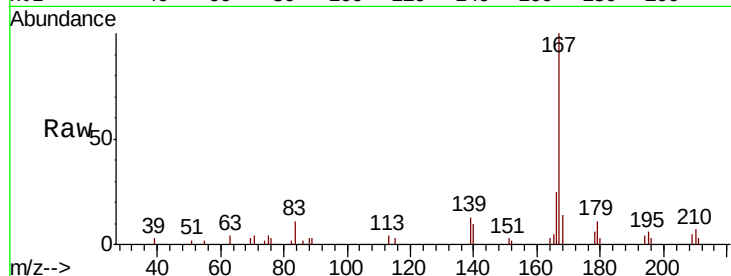
Tot Ion:167 Resp: 18562

Ion Ratio Lower Upper

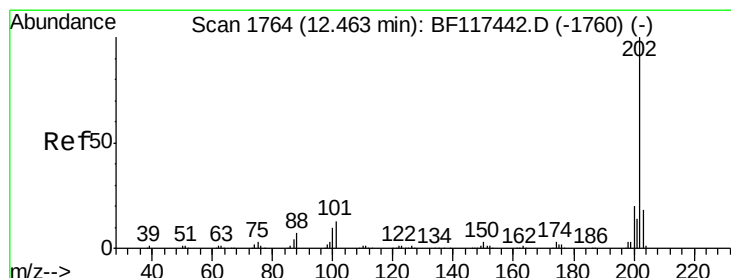
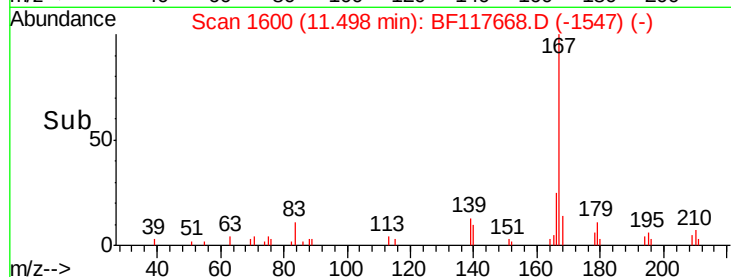
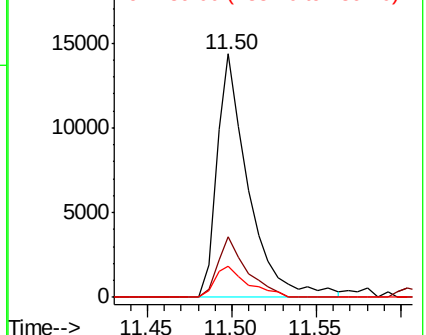
167 100

166 24.6 17.0 25.6

139 12.8 10.6 16.0



Abundance Ion 167.00 (166.70 to 167.70): E
Ion 166.00 (165.70 to 166.70): E
Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 39.468 ng

RT: 12.47 min Scan# 1765

Delta R.T. 0.01 min

Lab File: BF117668.D

Acq: 31 Oct 2019 19:46

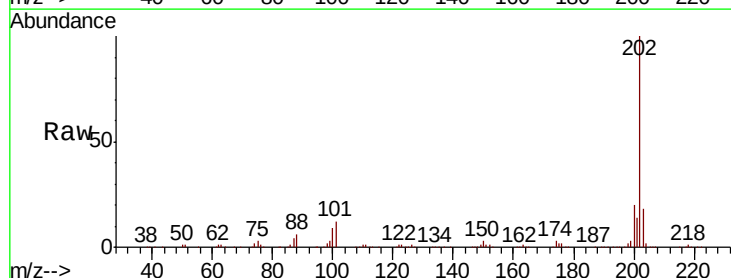
Tgt Ion:202 Resp: 281769

Ion Ratio Lower Upper

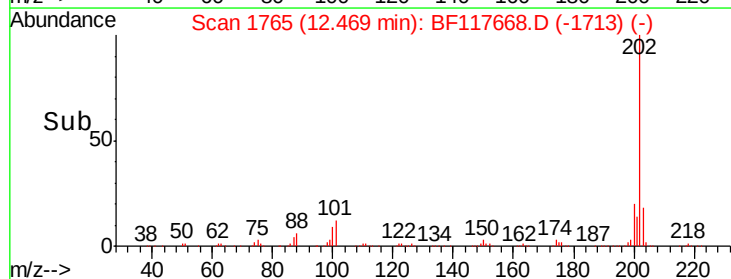
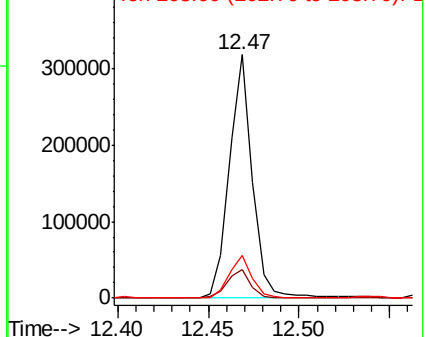
202 100

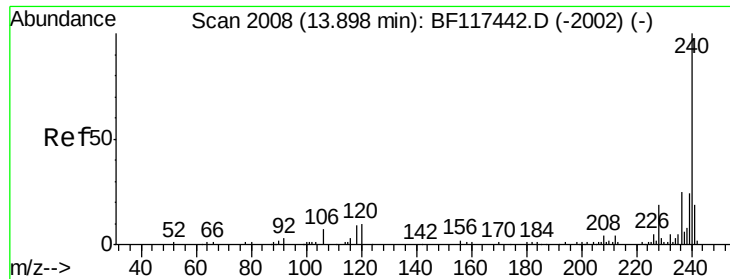
101 11.8 0.0 32.7

203 17.5 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

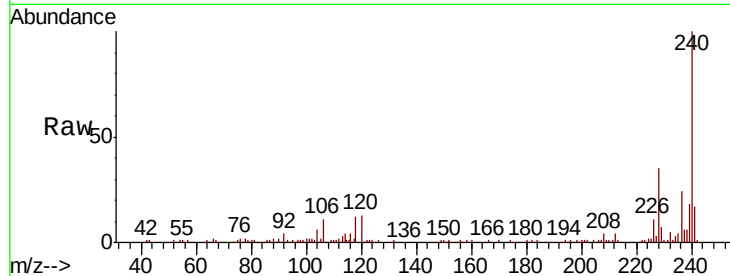




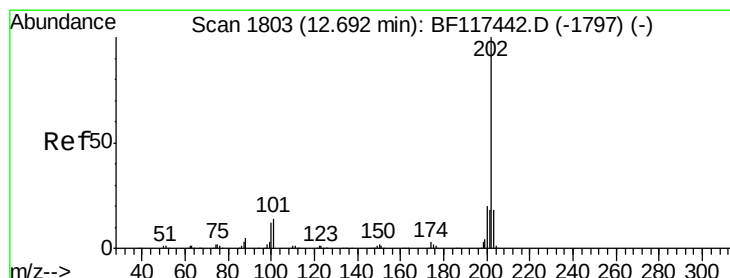
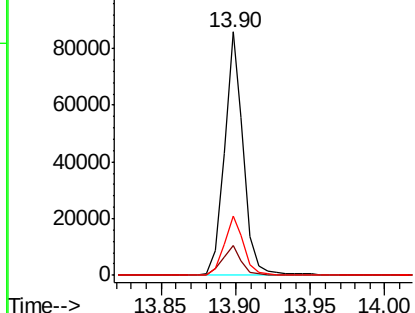
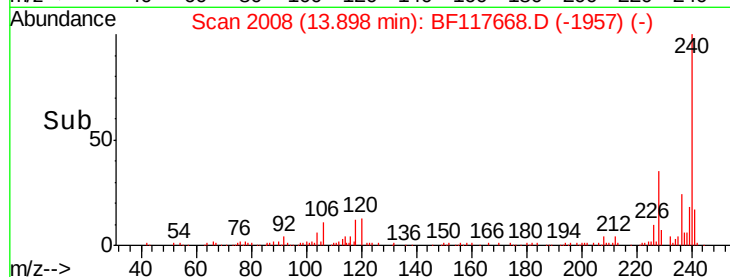
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.90 min Scan# 2008
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.5	8.4	12.6
236	24.4	20.0	30.0

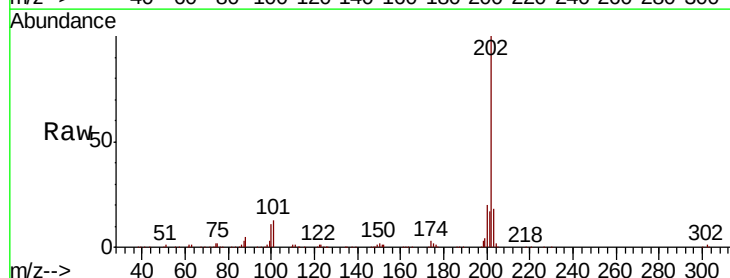


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

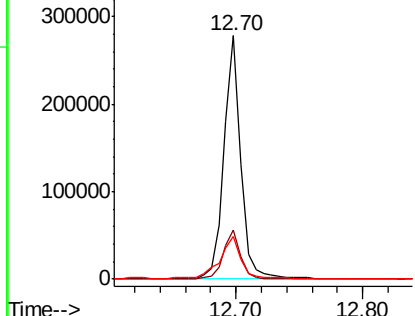
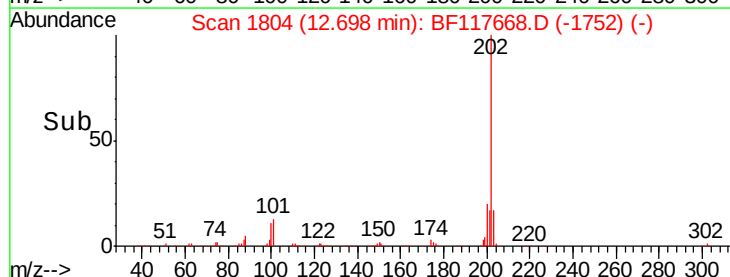


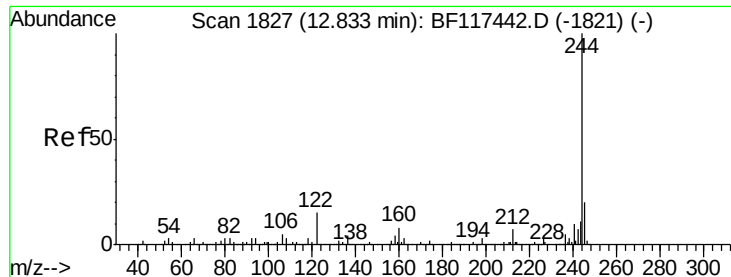
#78
Pyrene
Concen: 38.883 ng
RT: 12.70 min Scan# 1804
Delta R.T. 0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.2
203	17.6	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: 3.985 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.00 min

Lab File: BF117668.D

Acq: 31 Oct 2019 19:46

Instrument :

BNA_F

ClientSampled :

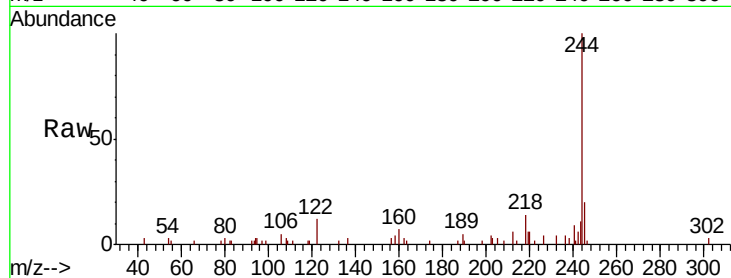
Tot Ion:244 Resp: 18729

Ion Ratio Lower Upper

244 100

212 6.1 5.8 8.6

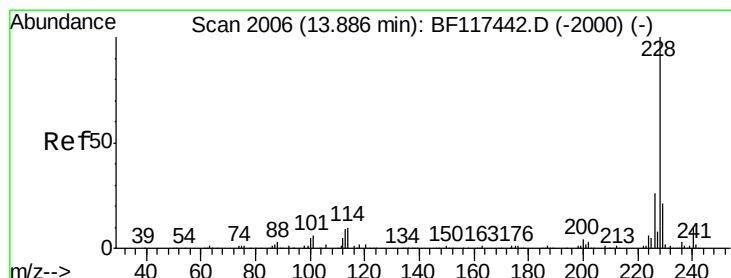
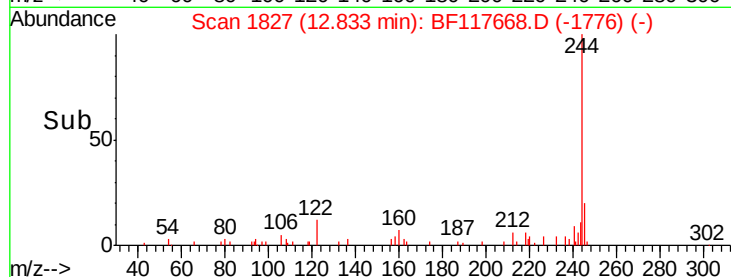
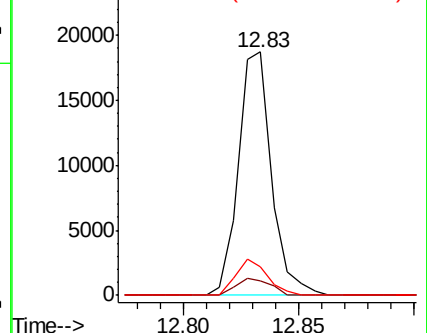
122 12.0 11.8 17.8



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: 17.917 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.00 min

Lab File: BF117668.D

Acq: 31 Oct 2019 19:46

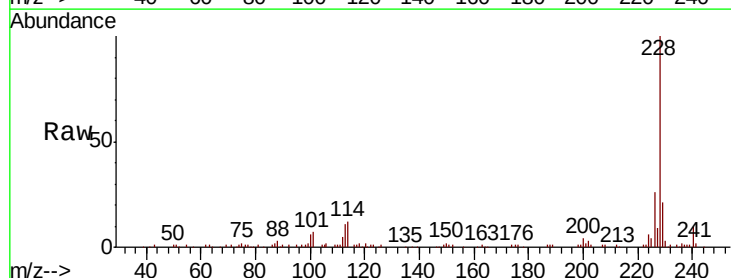
Tgt Ion:228 Resp: 92651

Ion Ratio Lower Upper

228 100

226 25.9 21.0 31.4

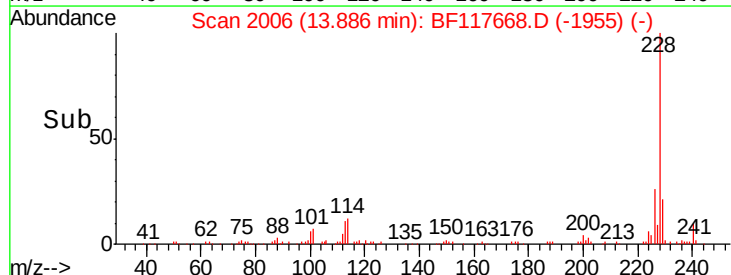
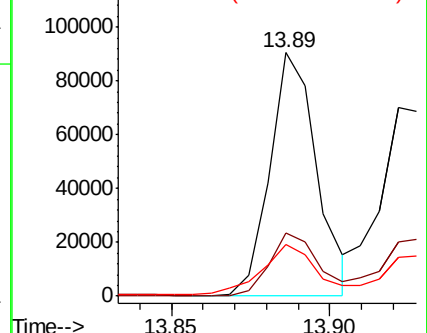
229 21.0 16.4 24.6

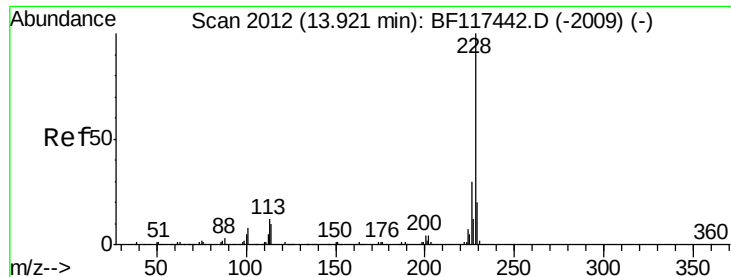


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

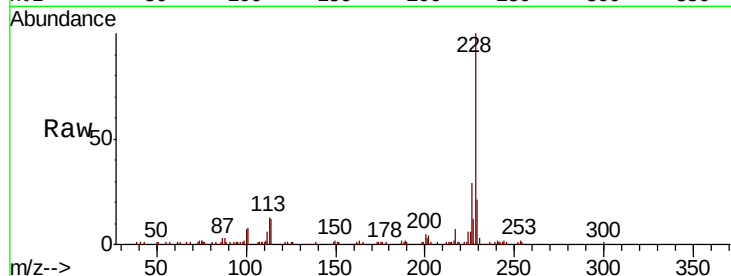




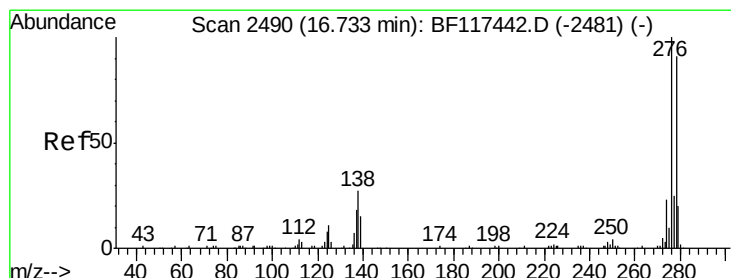
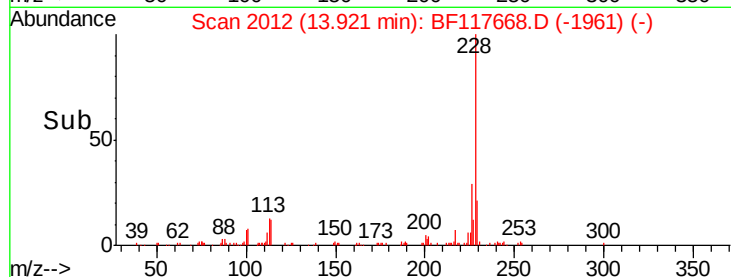
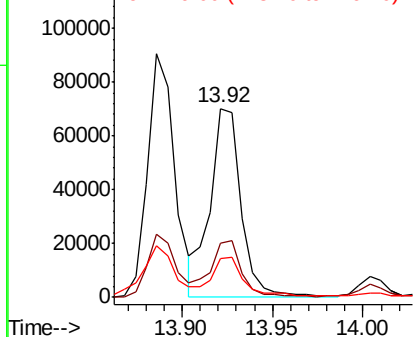
#83
Chrysene
Concen: 16.275 ng
RT: 13.92 min Scan# 2012
Delta R.T. 0.00 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 82484
Ion Ratio Lower Upper
228 100
226 28.5 23.9 35.9
229 20.5 15.8 23.6

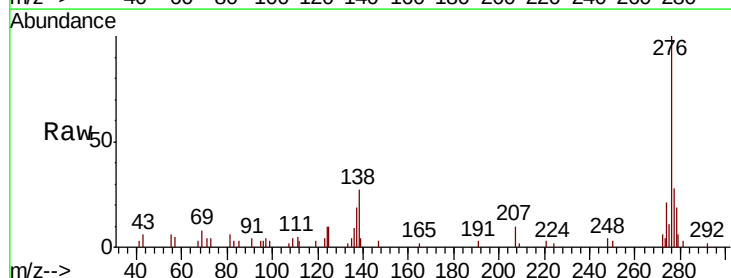


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

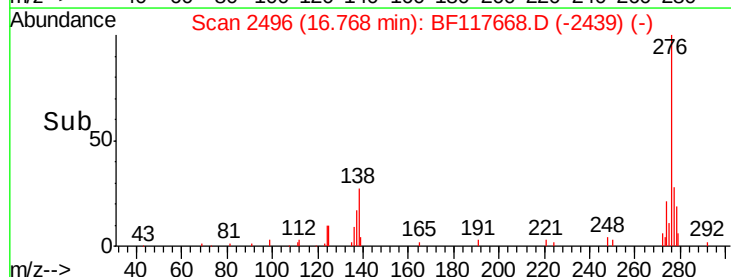
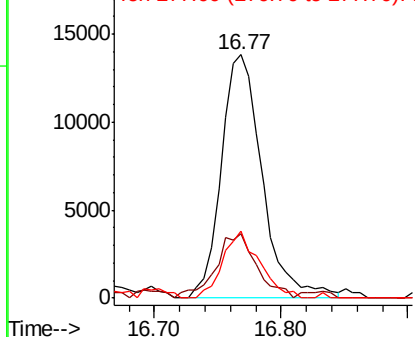


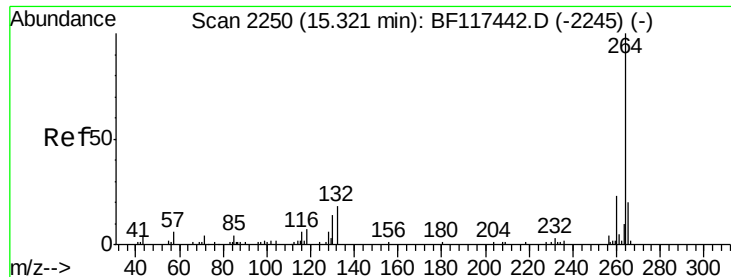
#86
Indeno(1,2,3-cd)pyrene
Concen: 8.193 ng
RT: 16.77 min Scan# 2490
Delta R.T. 0.04 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:276 Resp: 31002
Ion Ratio Lower Upper
276 100
138 26.3 21.8 32.8
277 24.5 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

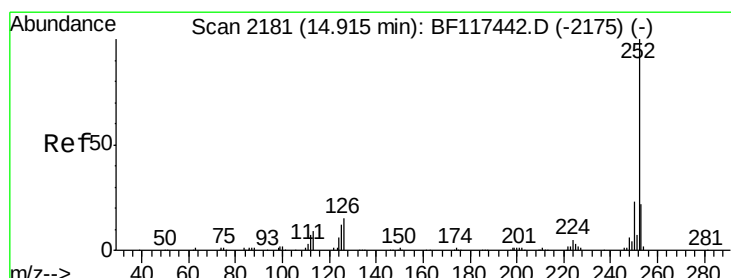
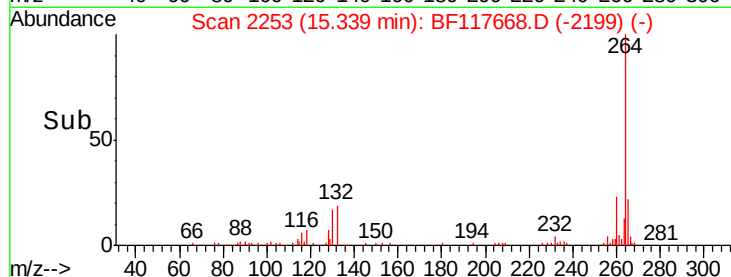
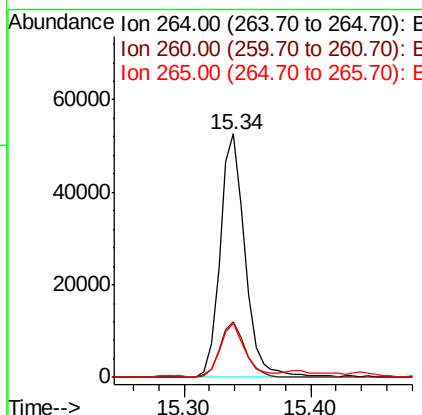
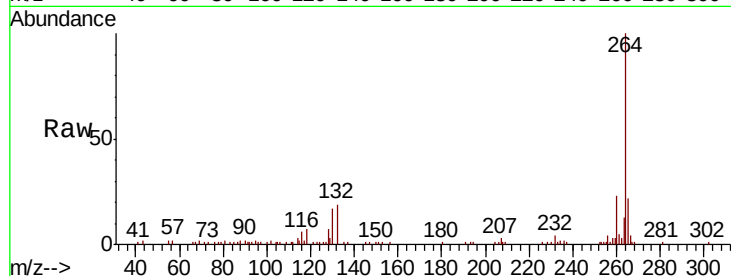




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

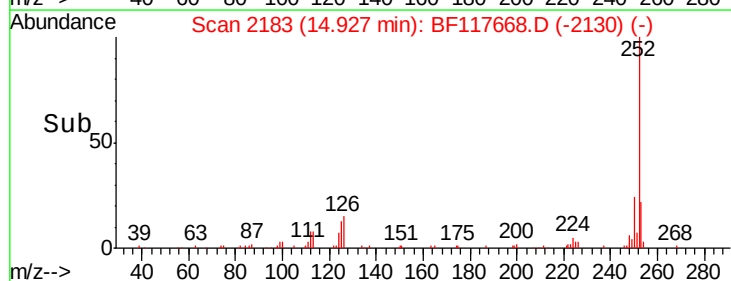
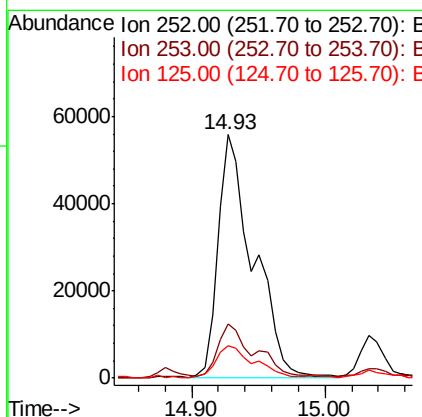
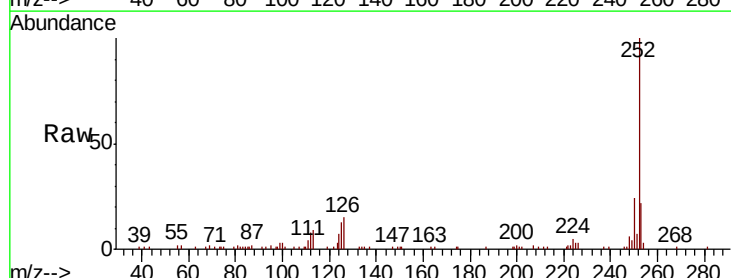
Instrument :
BNA_F
ClientSampleId :

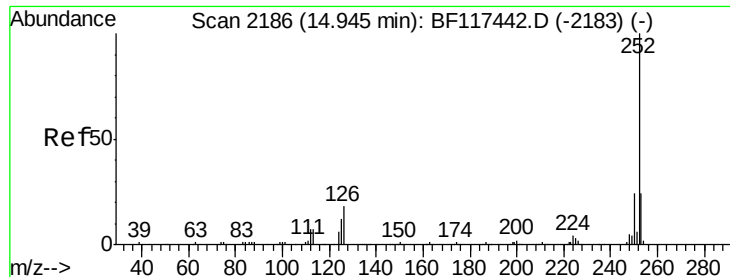
Tot Ion:264 Resp: 71668
Ion Ratio Lower Upper
264 100
260 22.6 18.4 27.6
265 22.4 16.1 24.1



#88
Benzo(b)fluoranthene
Concen: 24.448 ng
RT: 14.93 min Scan# 2183
Delta R.T. 0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:252 Resp: 103468
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 13.1 9.9 14.9

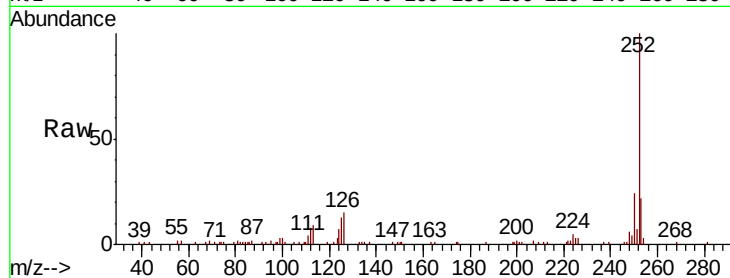




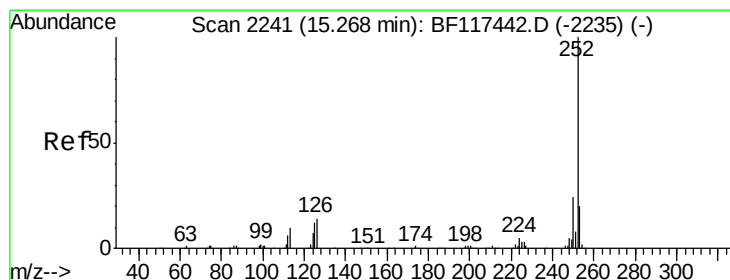
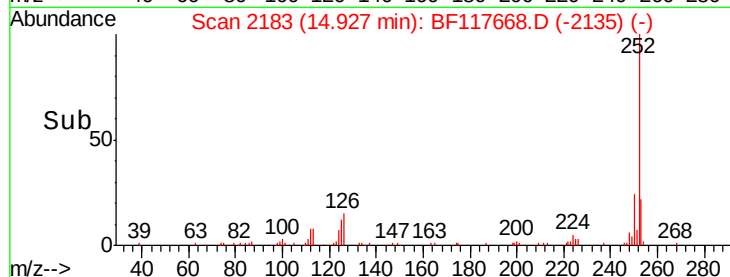
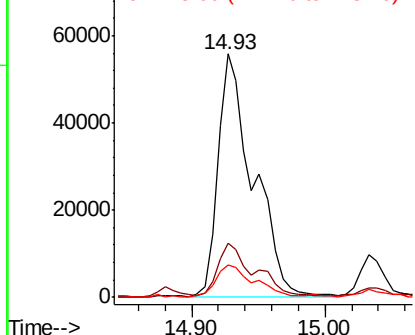
#89
Benzo(k)fluoranthene
Concen: 23.854 ng
RT: 14.93 min Scan# 2183
Delta R.T. -0.02 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 103468
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 13.1 8.9 13.3

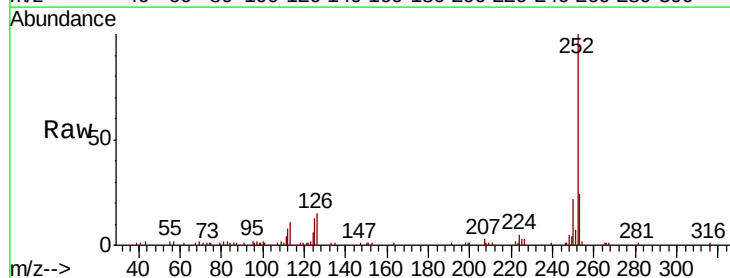


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

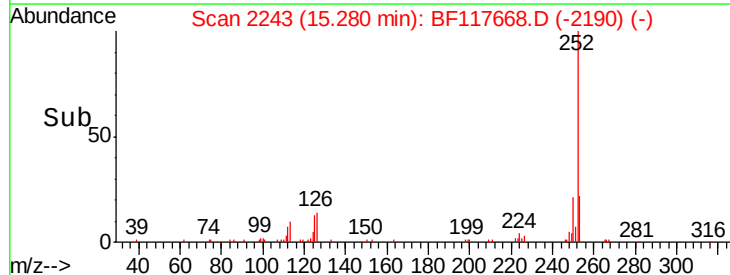
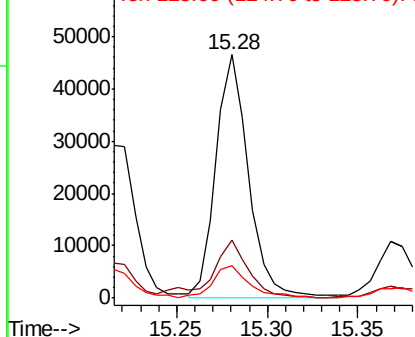


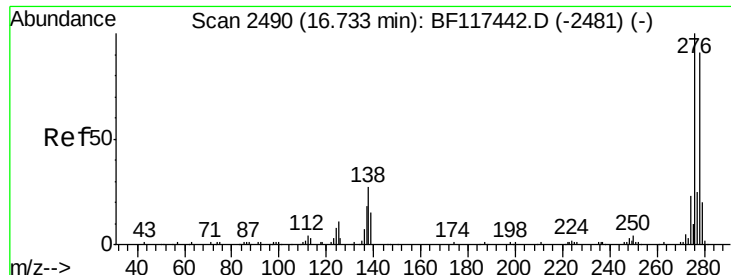
#90
Benzo(a)pyrene
Concen: 15.259 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117668.D
Acq: 31 Oct 2019 19:46

Tgt Ion:252 Resp: 58715
Ion Ratio Lower Upper
252 100
253 23.6 16.3 24.5
125 13.5 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





#91

Dibenzo(a,h)anthracene

Concen: 2.423 ng

RT: 16.93 min Scan# 2523

Delta R.T. 0.19 min

Lab File: BF117668.D

Acq: 31 Oct 2019 19:46

Instrument :

BNA_F

ClientSampleId :

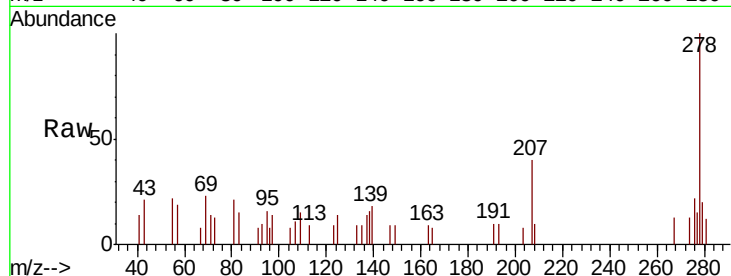
Tot Ion:278 Resp: 8061

Ion Ratio Lower Upper

278 100

139 18.4 13.4 20.0

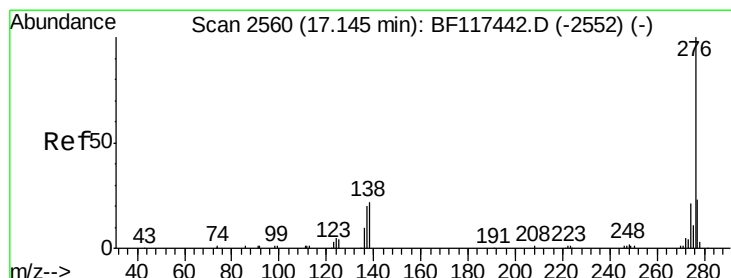
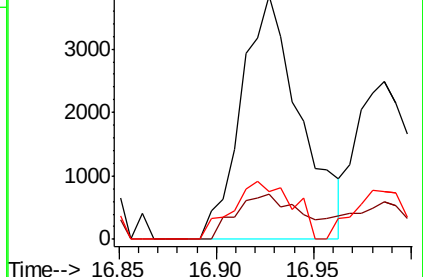
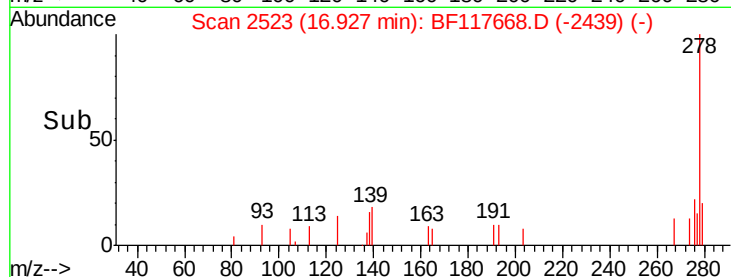
279 19.6 17.8 26.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 8.883 ng

RT: 17.20 min Scan# 2570

Delta R.T. 0.06 min

Lab File: BF117668.D

Acq: 31 Oct 2019 19:46

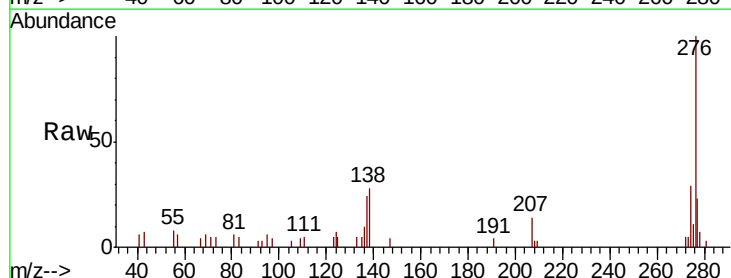
Tgt Ion:276 Resp: 27964

Ion Ratio Lower Upper

276 100

277 23.2 18.4 27.6

138 28.5 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

