

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117599.D
 Acq On : 29 Oct 2019 18:58
 Operator : JU
 Sample : K5503-03 2X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 03:32:31 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	41878	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	156762	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	67640	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	98241	20.00	ng	0.00
76) Chrysene-d12	13.90	240	75064	20.00	ng	0.00
87) Perylene-d12	15.33	264	58394	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	140081	49.76	ng	0.00
7) Phenol-d6	6.39	99	192121	50.82	ng	0.00
23) Nitrobenzene-d5	7.29	82	114217	35.97	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	26932	46.02	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	166544	34.69	ng	-0.01
79) Terphenyl-d14	12.83	244	168990	36.72	ng	0.00

Target Compounds

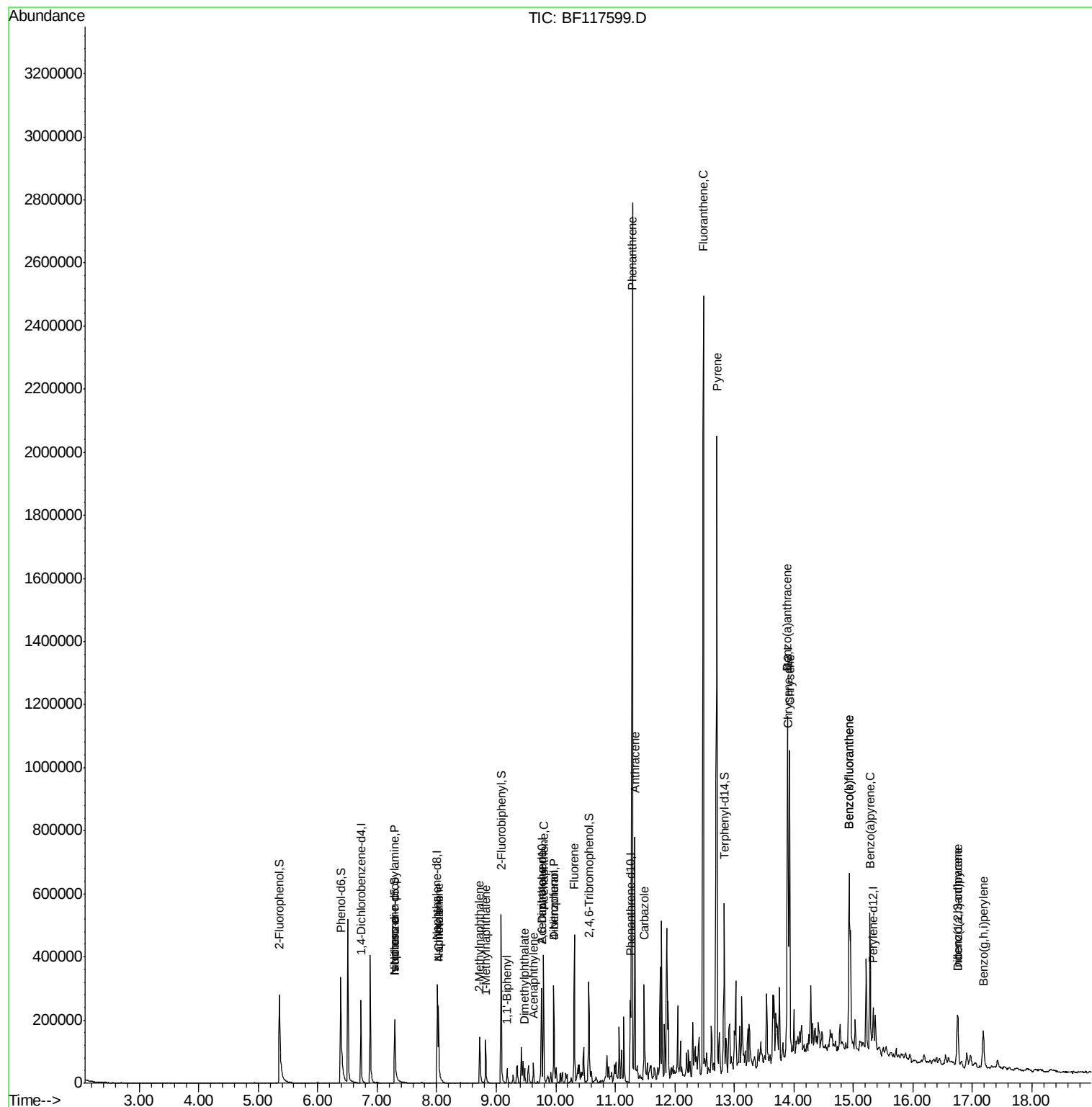
						Qvalue
9) Benzaldehyde	6.50	77	3859	Below Cal	#	66
19) n-Nitroso-di-n-propylamine	7.29	70	14117	6.114 ng	#	79
25) Isophorone	7.29	82	114217	20.793 ng	#	65
31) Naphthalene	8.03	128	135912	17.491 ng		99
33) 4-Chloroaniline	8.03	127	16836	5.134 ng	#	30
37) 2-Methylnaphthalene	8.72	142	50628	9.670 ng		100
38) 1-Methylnaphthalene	8.82	142	41983	8.533 ng		97
46) 1,1'-Biphenyl	9.19	154	16779	2.996 ng		98
49) Acenaphthylene	9.62	152	18260	2.944 ng	#	93
50) Dimethylphthalate	9.48	163	17332	3.594 ng		97
51) 2,6-Dinitrotoluene	9.76	165	10631	10.565 ng	#	25
52) Acenaphthene	9.79	154	84705	22.263 ng		100
55) Dibenzofuran	9.97	168	119351	21.651 ng		98
56) 4-Nitrophenol	9.97	139	47669	84.572 ng	#	8
58) Fluorene	10.31	166	123828	27.164 ng		100
71) Phenanthrene	11.29	178	1196352	209.721 ng		98
72) Anthracene	11.33	178	297913	50.898 ng		99
73) Carbazole	11.49	167	118031	22.066 ng		99
75) Fluoranthene	12.48	202	1111561	194.647 ng		99
77) Benzidine	12.83	184	2340	Below Cal	#	71
78) Pyrene	12.71	202	932287	144.595 ng		99
81) Benzo(a)anthracene	13.89	228	445083	87.903 ng		99
83) Chrysene	13.93	228	353141	71.163 ng		97
86) Indeno(1,2,3-cd)pyrene	16.75	276	99710	26.912 ng		94
88) Benzo(b)fluoranthene	14.93	252	397768	115.354 ng		97
89) Benzo(k)fluoranthene	14.93	252	397768	112.547 ng	#	97
90) Benzo(a)pyrene	15.28	252	194626	62.079 ng		97
91) Dibenzo(a,h)anthracene	16.74	278	24700	9.111 ng	#	82
92) Benzo(g,h,i)perylene	17.18	276	88336	34.439 ng		97

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

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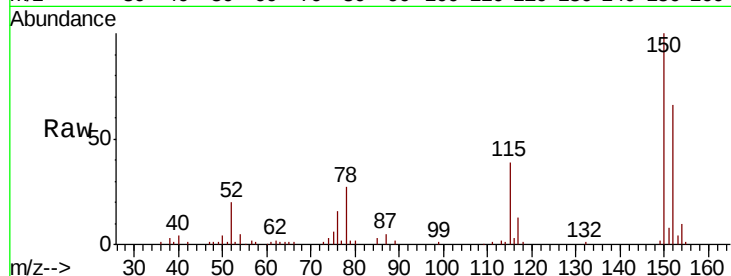


#1

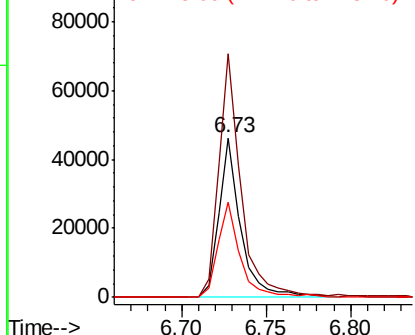
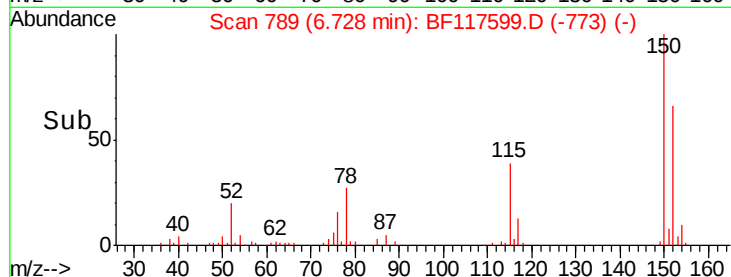
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.73 min Scan# 789
 Delta R.T. -0.01 min
 Lab File: BF117599.D
 Acq: 29 Oct 2019 18:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 41878
 Ion Ratio Lower Upper
 152 100
 150 152.6 126.8 190.2
 115 59.4 51.6 77.4



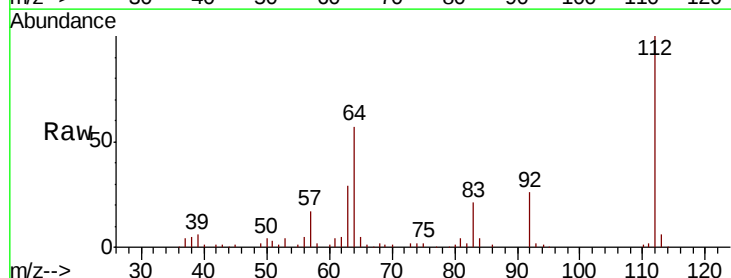
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



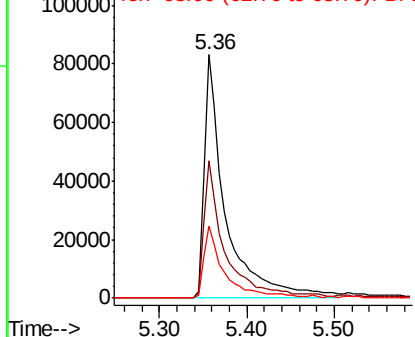
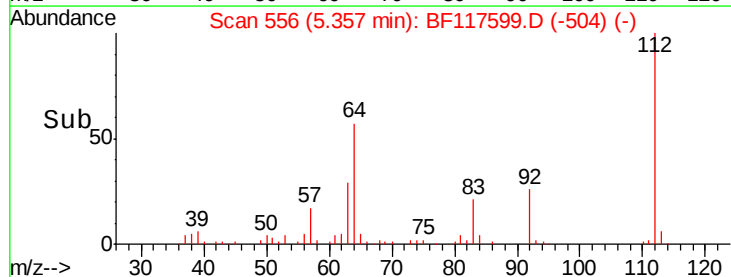
#5

2-Fluorophenol
 Concen: 49.763 ng
 RT: 5.36 min Scan# 556
 Delta R.T. 0.01 min
 Lab File: BF117599.D
 Acq: 29 Oct 2019 18:58

Tgt Ion:112 Resp: 140081
 Ion Ratio Lower Upper
 112 100
 64 56.6 44.1 66.1
 63 29.4 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: 50.815 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

Instrument :

BNA_F

ClientSampleId :

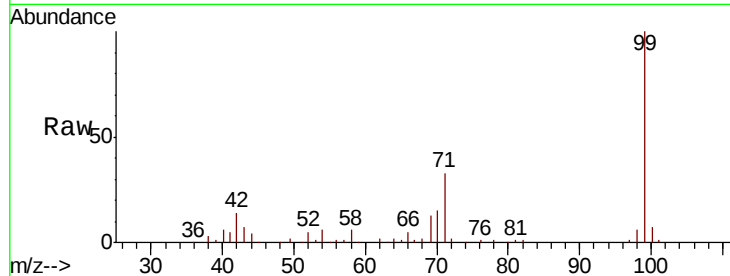
Tot Ion: 99 Resp: 192121

Ion Ratio Lower Upper

99 100

42 13.9 12.8 19.2

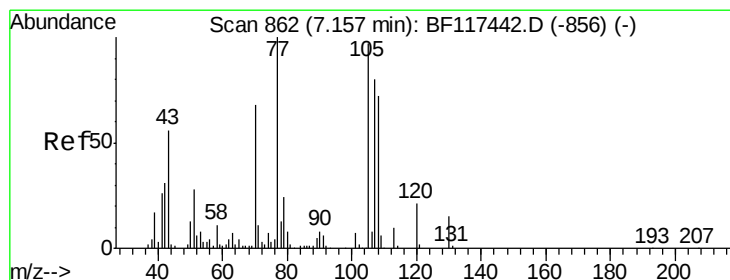
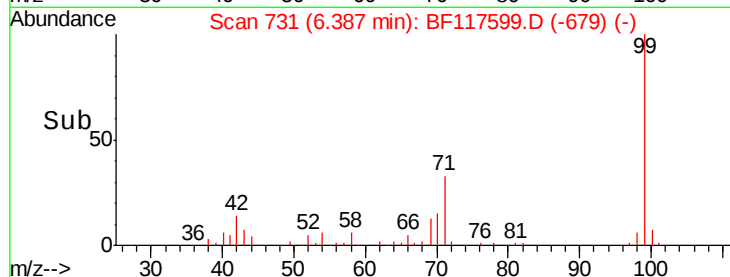
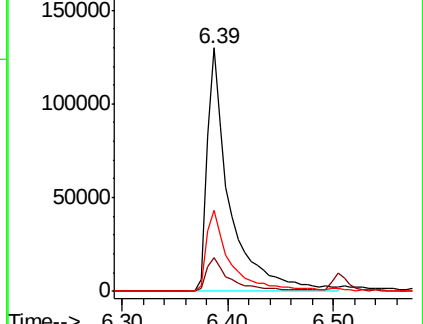
71 33.5 28.6 43.0



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: 6.114 ng

RT: 7.29 min Scan# 885

Delta R.T. 0.14 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

Tgt Ion: 70 Resp: 14117

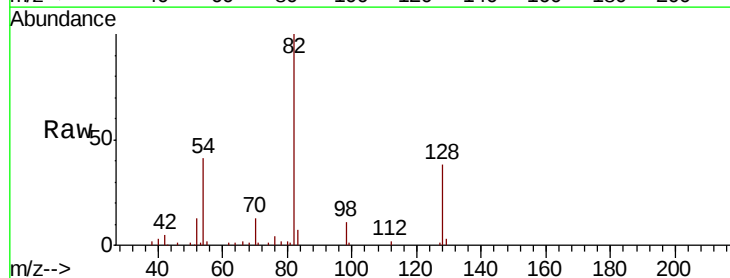
Ion Ratio Lower Upper

70 100

42 41.6 36.7 55.1

101 0.0 8.3 12.5#

130 0.0 18.1 27.1#

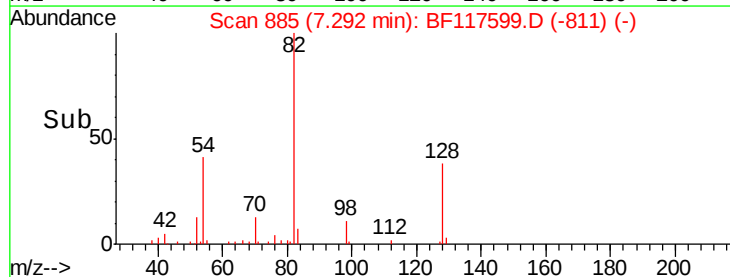
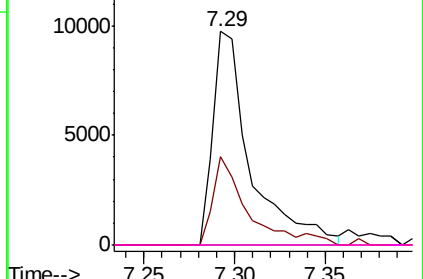


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

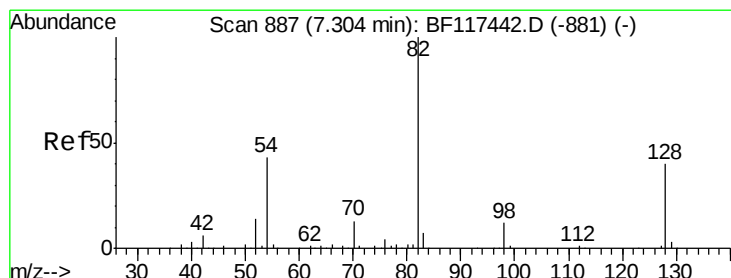
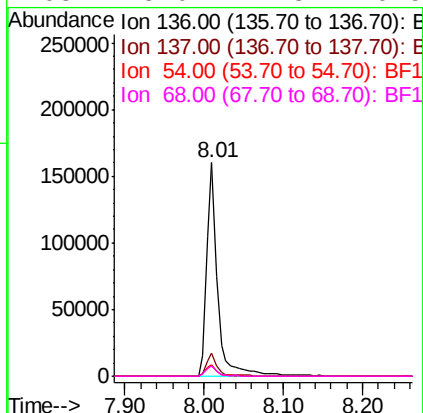
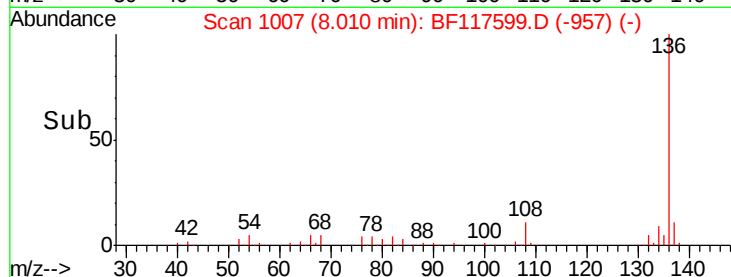
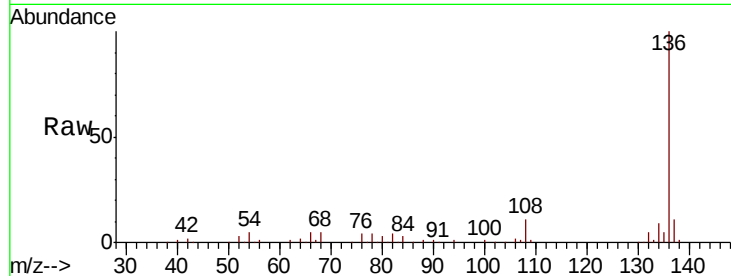




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

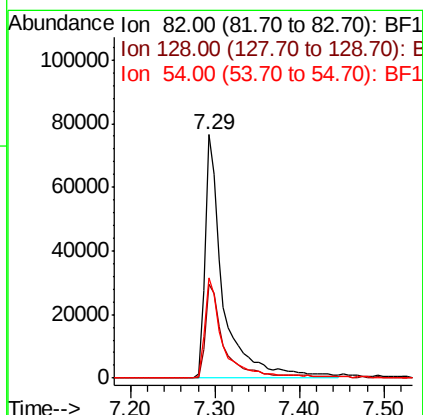
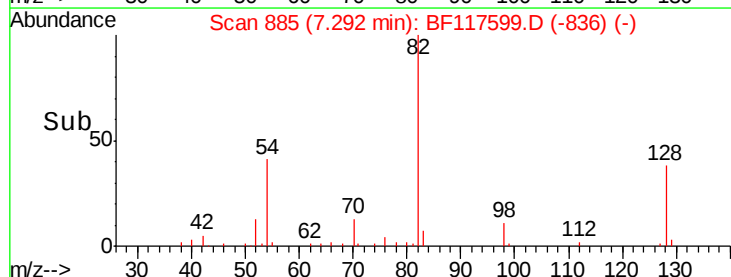
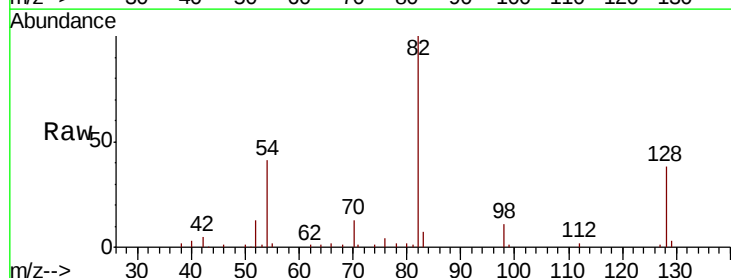
Instrument :
BNA_F
ClientSampleId :

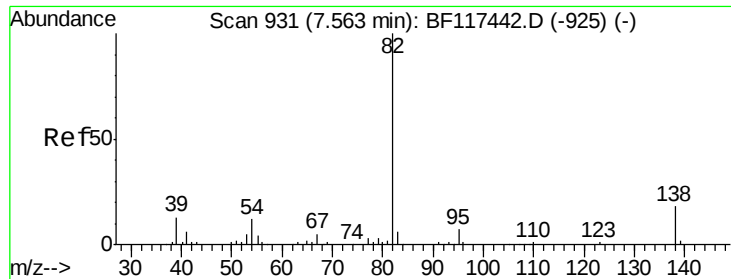
Tot Ion:	136	Resp:	156762
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.2	12.4
54	5.3	4.5	6.7
68	5.0	4.3	6.5



#23
Nitrobenzene-d5
Concen: 35.969 ng
RT: 7.29 min Scan# 885
Delta R.T. -0.01 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

Tgt Ion:	82	Resp:	114217
Ion	Ratio	Lower	Upper
82	100		
128	38.4	32.2	48.2
54	41.4	34.2	51.2





#25

Isophorone

Concen: 20.793 ng

RT: 7.29 min Scan# 885

Delta R.T. -0.27 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

Instrument :

BNA_F

ClientSampled :

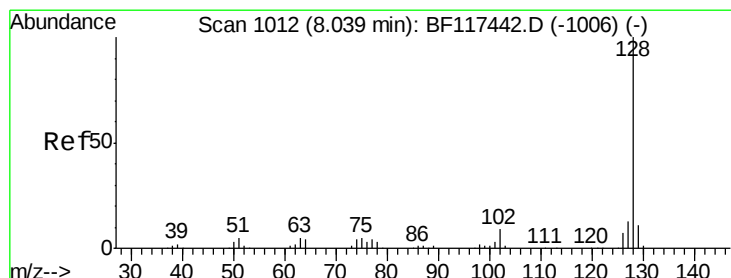
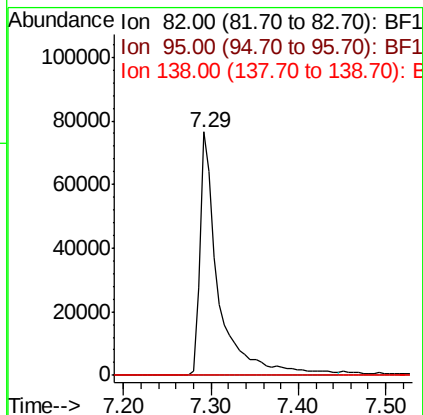
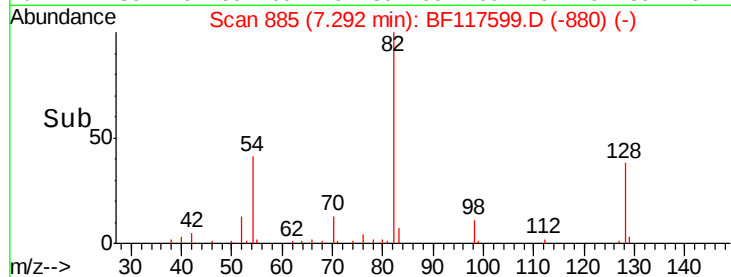
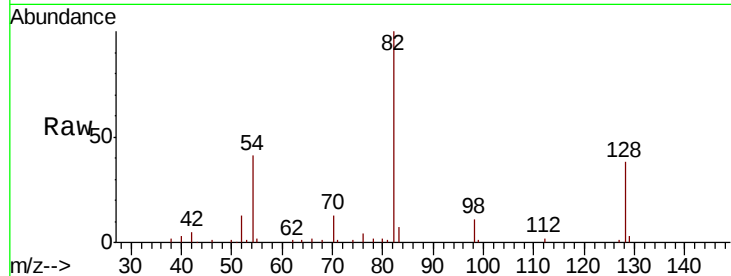
Tot Ion: 82 Resp: 114217

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 14.2 21.2#



#31

Naphthalene

Concen: 17.491 ng

RT: 8.03 min Scan# 1011

Delta R.T. -0.01 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

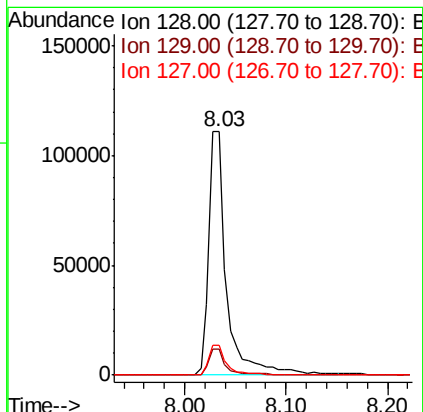
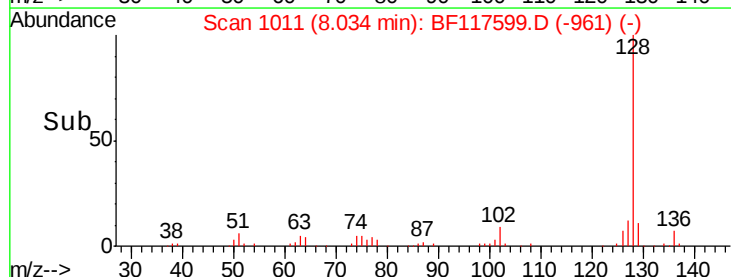
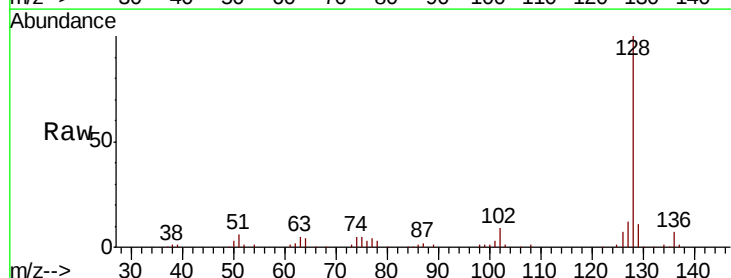
Tgt Ion: 128 Resp: 135912

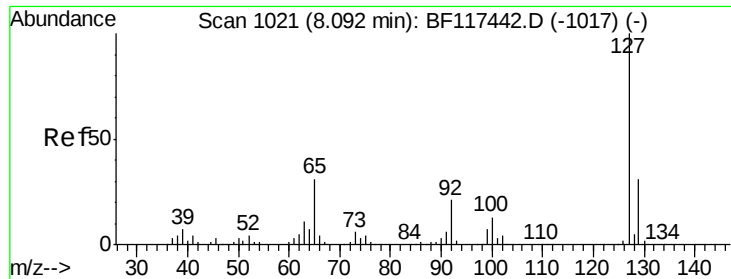
Ion Ratio Lower Upper

128 100

129 10.7 9.0 13.4

127 12.4 10.2 15.2

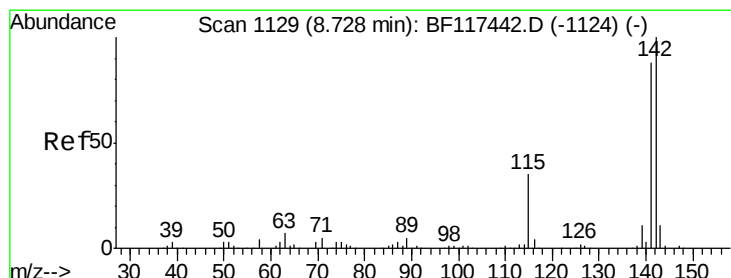
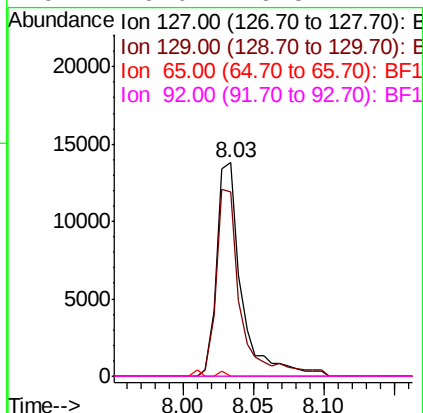
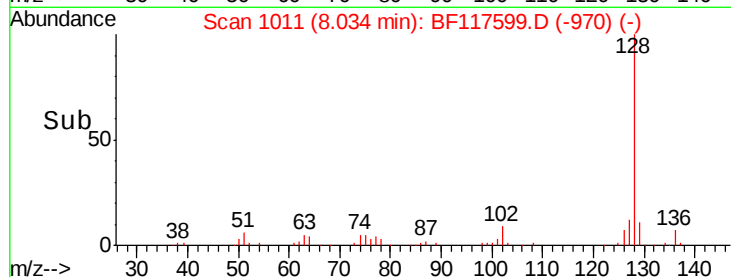
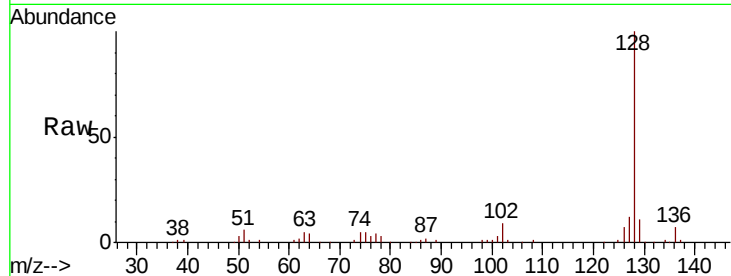




#33
4-Chloroaniline
Concen: 5.134 ng
RT: 8.03 min Scan# 1011
Delta R.T. -0.06 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

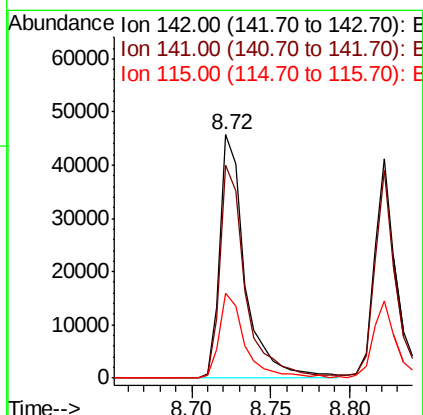
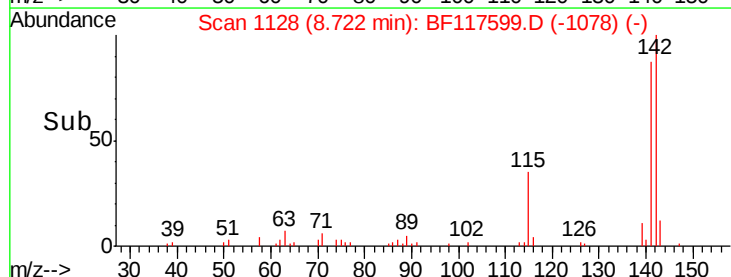
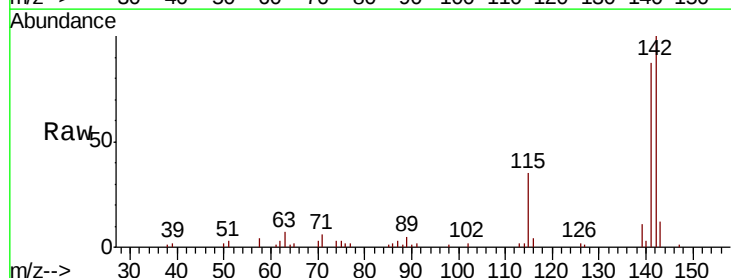
Instrument :
BNA_F
ClientSampleId :

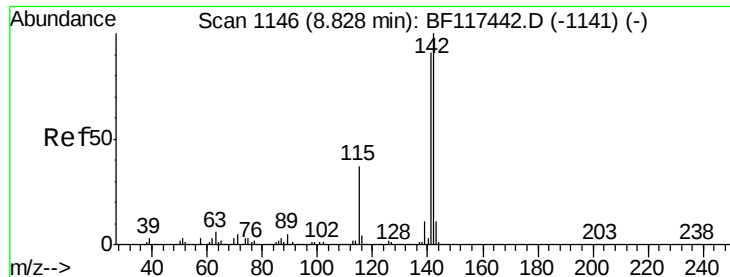
Tot Ion:127 Resp: 16836
Ion Ratio Lower Upper
127 100
129 86.0 24.8 37.2#
65 0.0 24.6 37.0#
92 0.0 16.5 24.7#



#37
2-Methylnaphthalene
Concen: 9.670 ng
RT: 8.72 min Scan# 1128
Delta R.T. -0.01 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

Tgt Ion:142 Resp: 50628
Ion Ratio Lower Upper
142 100
141 87.5 70.3 105.5
115 35.0 28.2 42.2

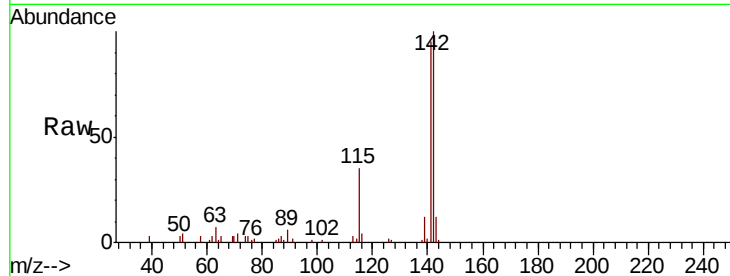




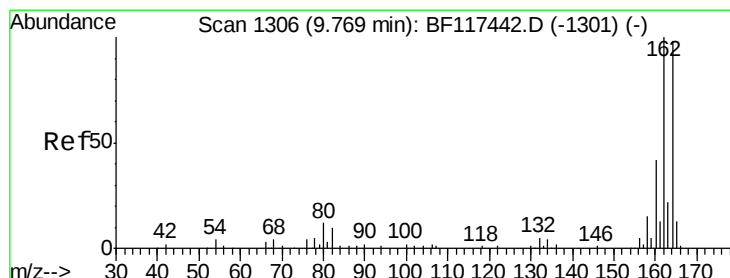
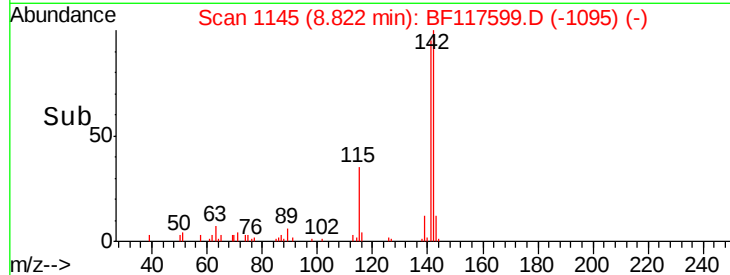
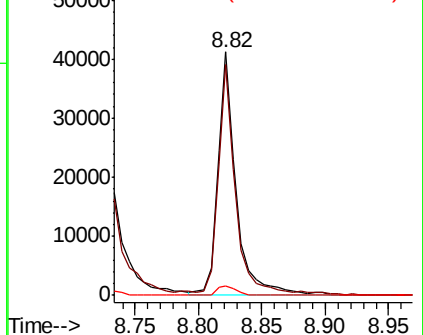
#38
1-Methylnaphthalene
Concen: 8.533 ng
RT: 8.82 min Scan# 1145
Delta R.T. -0.01 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

Instrument :
BNA_F
ClientSampled :

Tot Ion:142 Resp: 41983
Ion Ratio Lower Upper
142 100
141 94.6 73.3 109.9
116 3.9 3.1 4.7

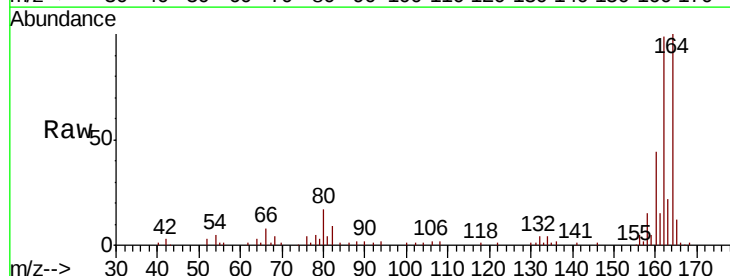


Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 116.00 (115.70 to 116.70): E

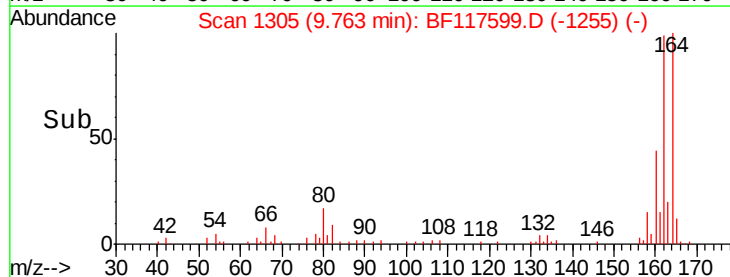
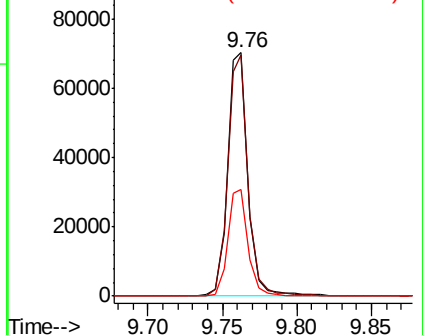


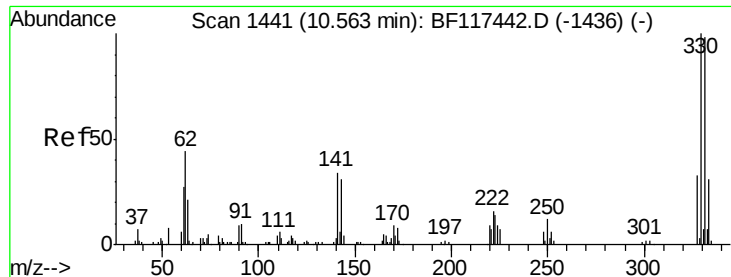
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.76 min Scan# 1305
Delta R.T. -0.01 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

Tgt Ion:164 Resp: 67640
Ion Ratio Lower Upper
164 100
162 99.2 81.8 122.6
160 43.7 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

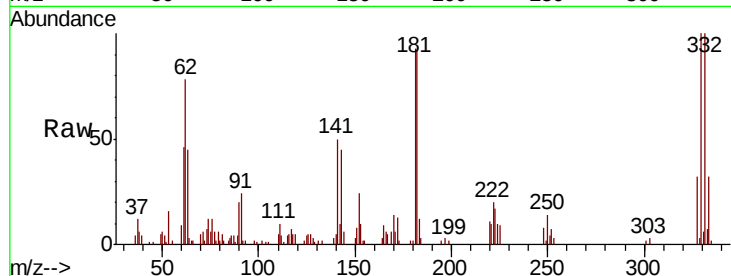




#42
 2,4,6-Tribromophenol
 Concen: 46.017 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: BF117599.D
 Acq: 29 Oct 2019 18:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.5	117.7
141	48.8	37.0	55.6

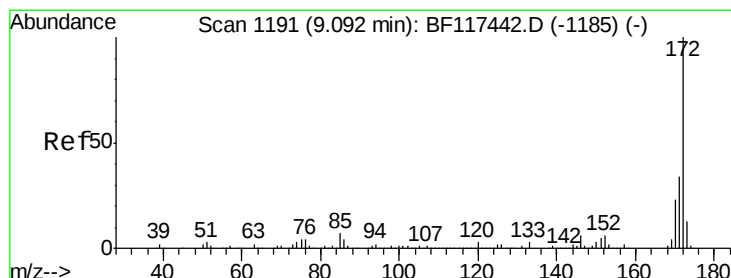
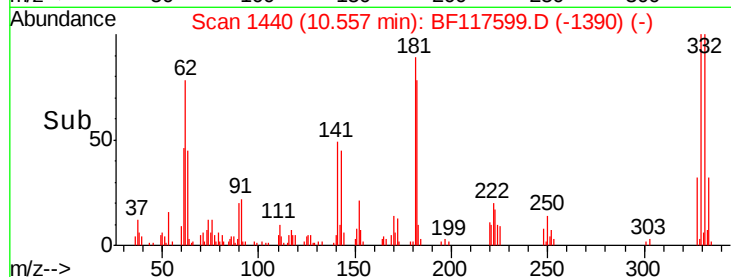
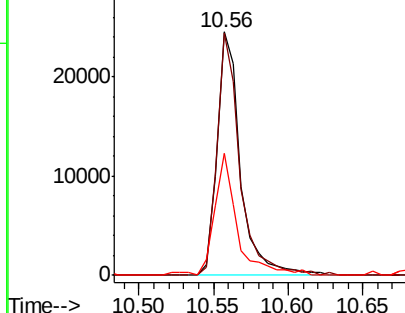


Abundance

Ion 329.80 (329.50 to 330.50): E

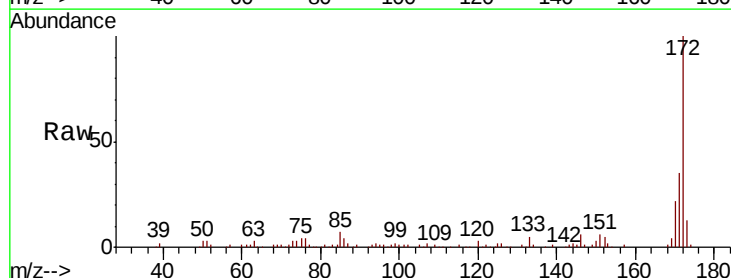
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 34.692 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. -0.01 min
 Lab File: BF117599.D
 Acq: 29 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	27.5	41.3
170	22.4	18.6	27.8

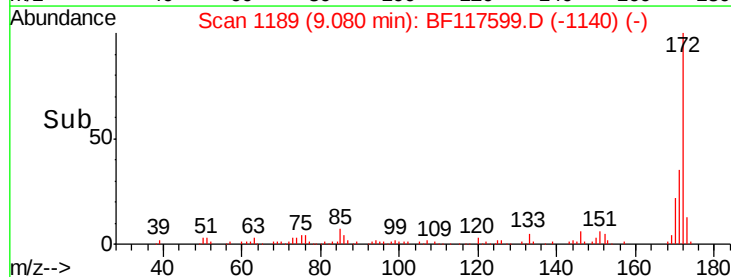
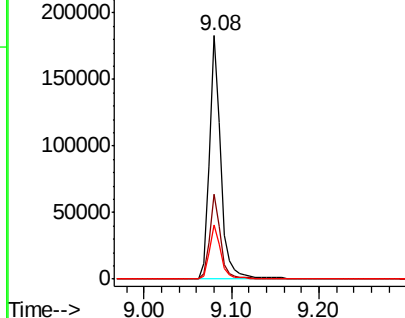


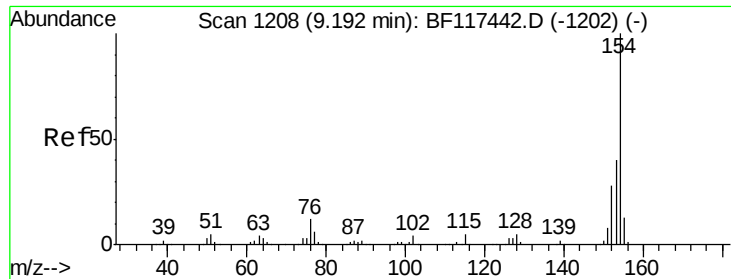
Abundance

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

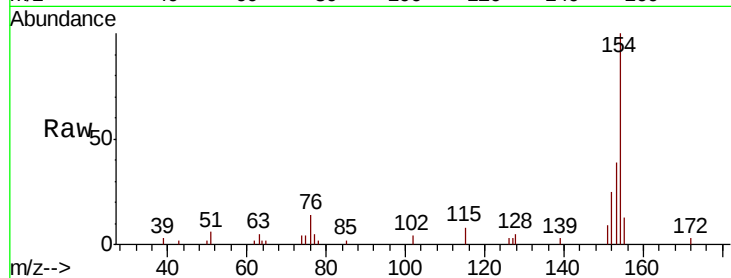




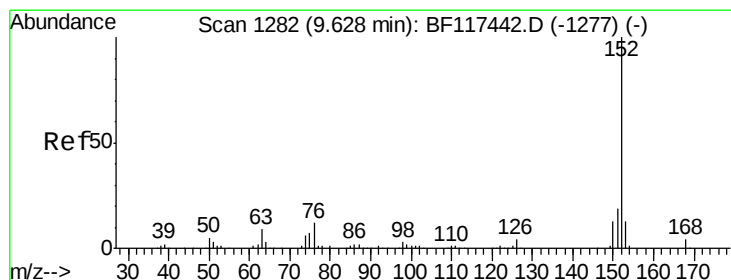
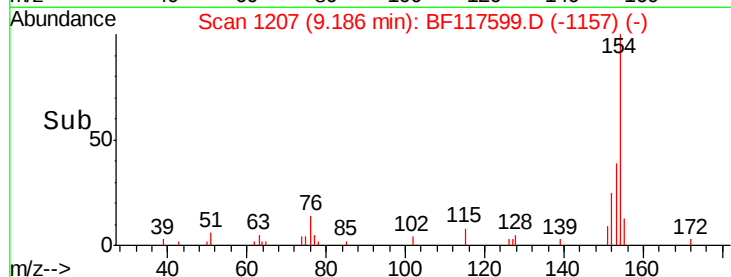
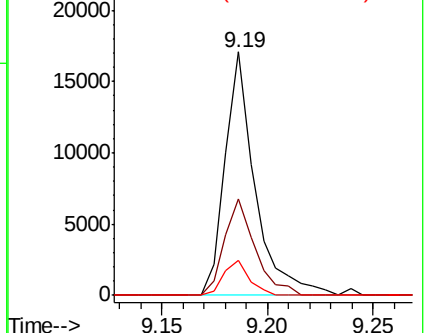
#46
 1,1'-Biphenyl
 Concen: 2.996 ng
 RT: 9.19 min Scan# 1207
 Delta R.T. -0.01 min
 Lab File: BF117599.D
 Acq: 29 Oct 2019 18:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
154	100		
153	39.4	20.2	60.2
76	14.2	0.0	32.1

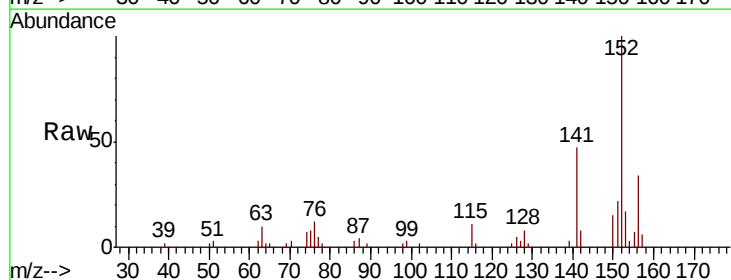


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

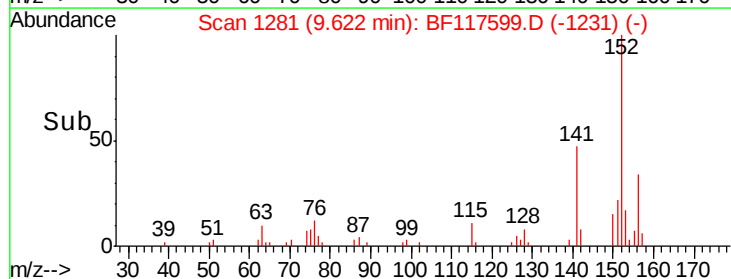
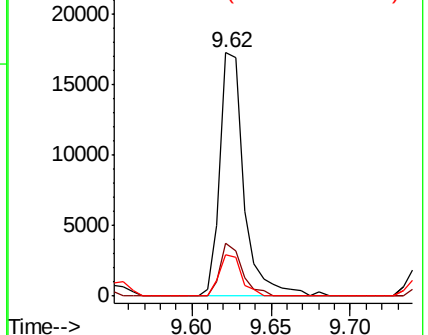


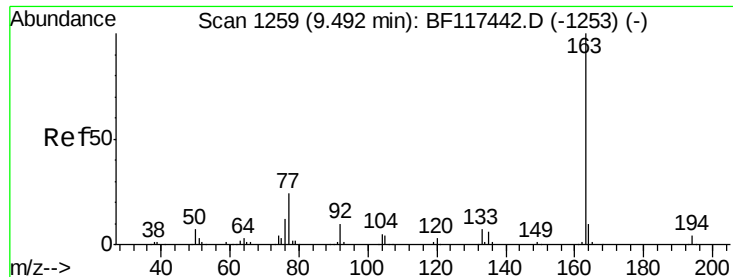
#49
 Acenaphthylene
 Concen: 2.944 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.01 min
 Lab File: BF117599.D
 Acq: 29 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
152	100		
151	21.8	15.4	23.0
153	16.8	10.3	15.5#



Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 151.00 (150.70 to 151.70): E
 Ion 153.00 (152.70 to 153.70): E

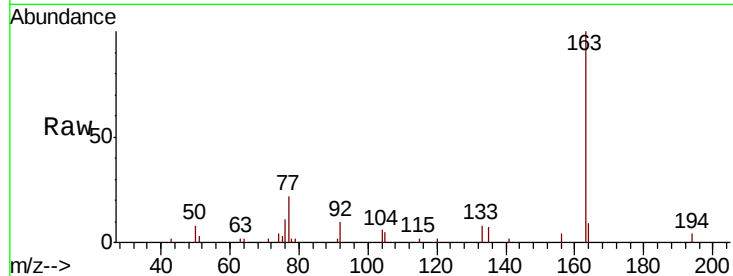




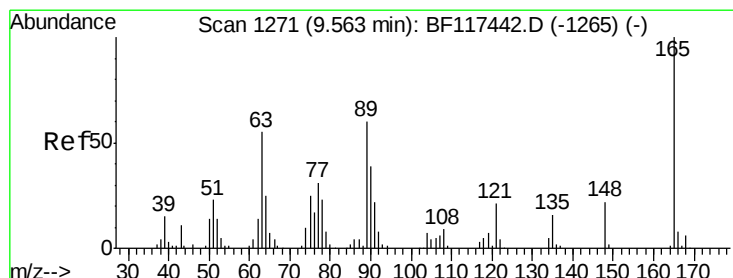
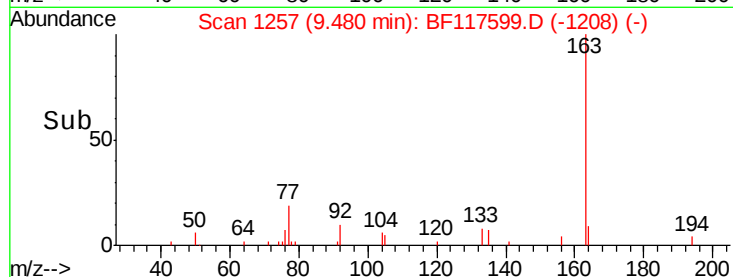
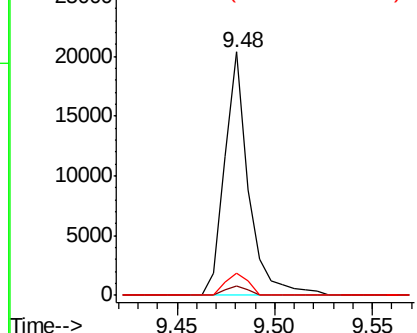
#50
Dimethylphthalate
Concen: 3.594 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 17332
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 8.9 8.2 12.2

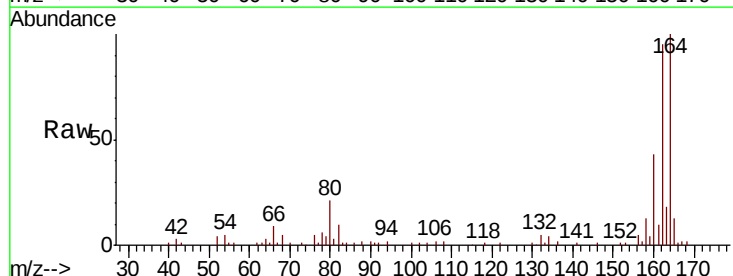


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

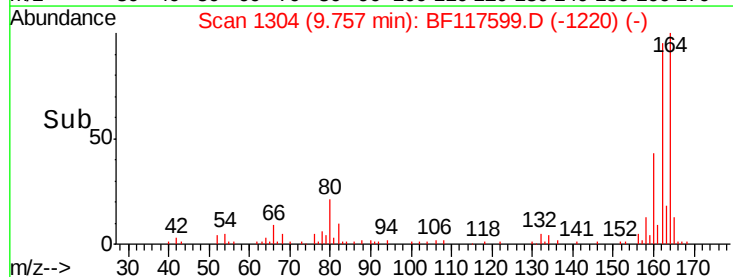
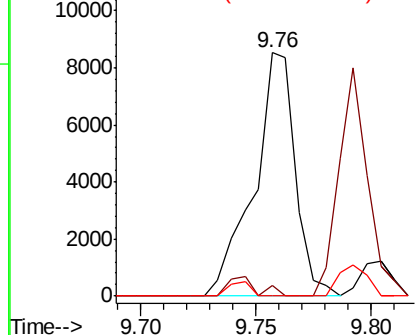


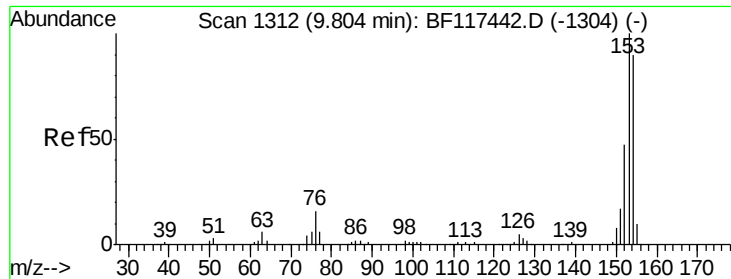
#51
2,6-Dinitrotoluene
Concen: 10.565 ng
RT: 9.76 min Scan# 1304
Delta R.T. 0.19 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

Tgt Ion:165 Resp: 10631
Ion Ratio Lower Upper
165 100
63 4.2 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: 22.263 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.01 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

Instrument :

BNA_F

ClientSampleId :

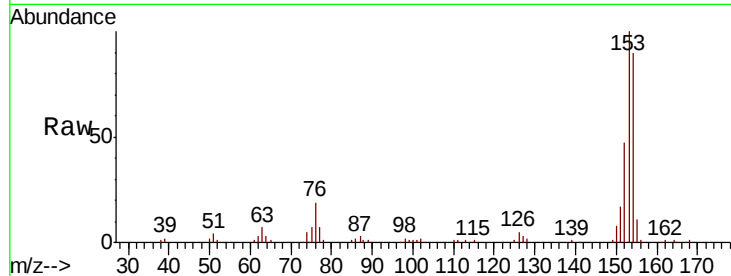
Tot Ion:154 Resp: 84705

Ion Ratio Lower Upper

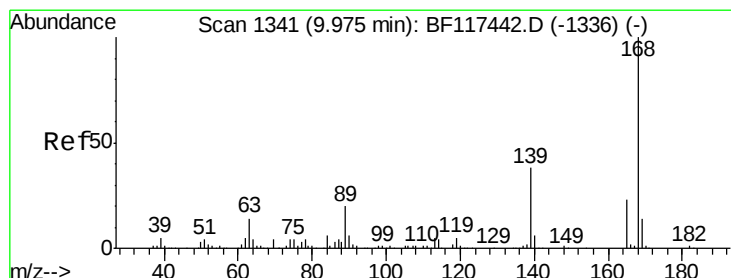
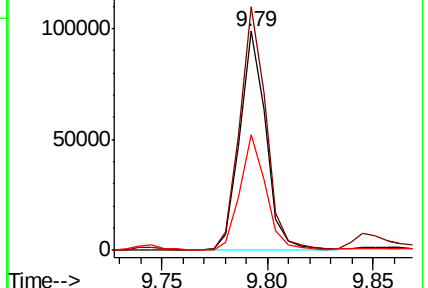
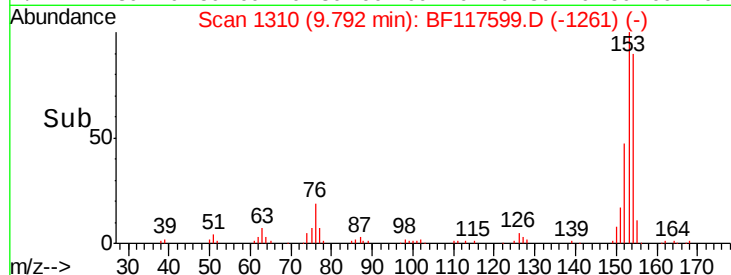
154 100

153 111.2 89.2 133.8

152 52.7 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: 21.651 ng

RT: 9.97 min Scan# 1340

Delta R.T. -0.01 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

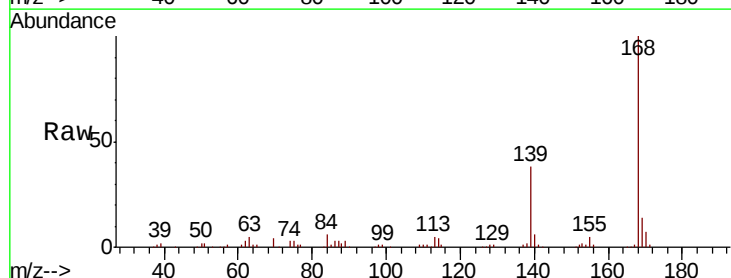
Tgt Ion:168 Resp: 119351

Ion Ratio Lower Upper

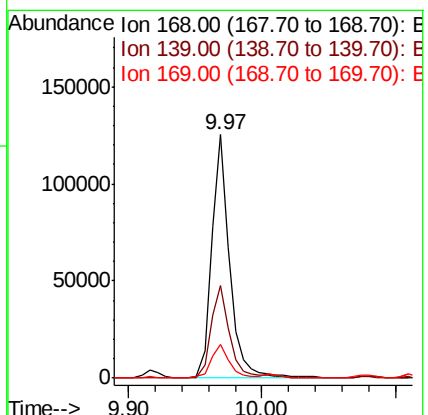
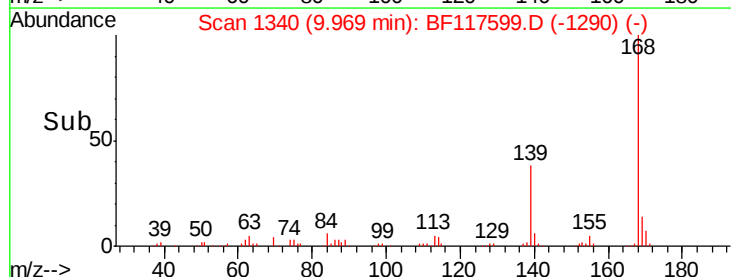
168 100

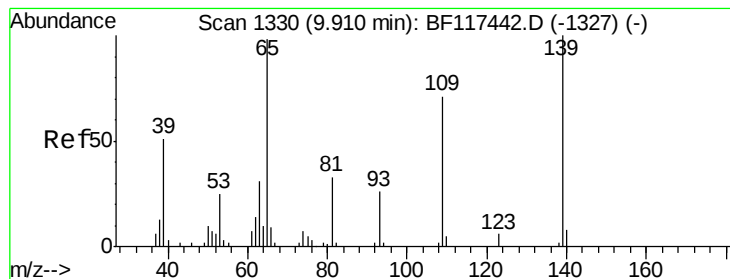
139 37.8 31.8 47.6

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: 84.572 ng

RT: 9.97 min Scan# 1340

Delta R.T. 0.06 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

Instrument :

BNA_F

ClientSampleId :

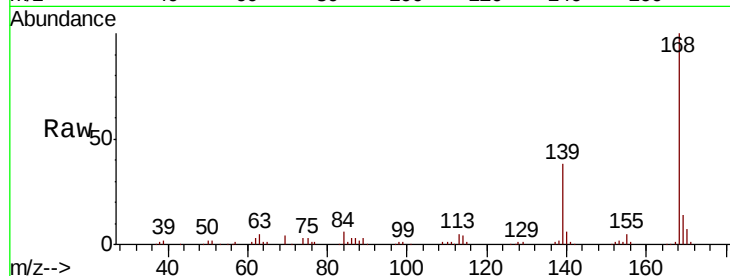
Tot Ion:139 Resp: 47669

Ion Ratio Lower Upper

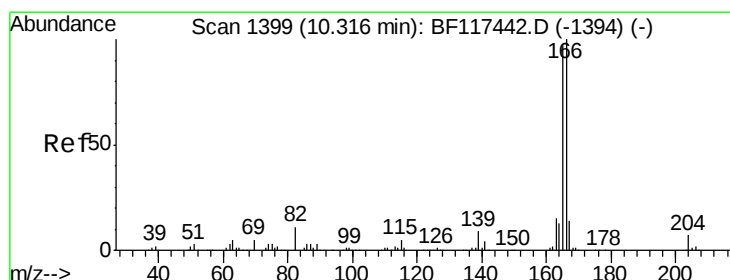
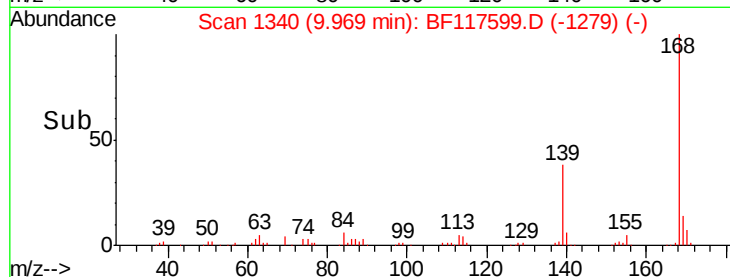
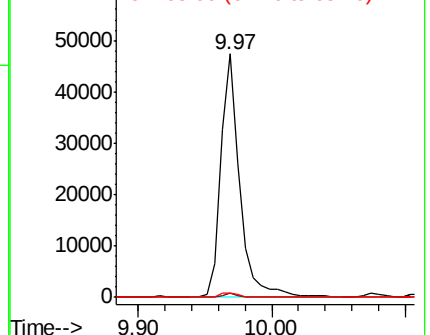
139 100

109 1.6 51.4 91.4#

65 1.8 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



#58

Fluorene

Concen: 27.164 ng

RT: 10.31 min Scan# 1398

Delta R.T. -0.01 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

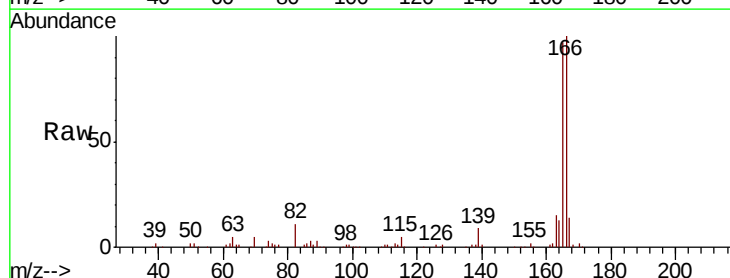
Tgt Ion:166 Resp: 123828

Ion Ratio Lower Upper

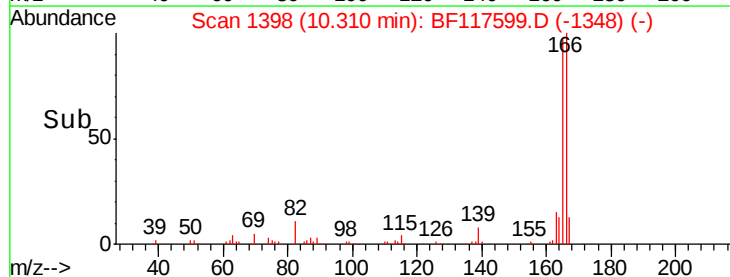
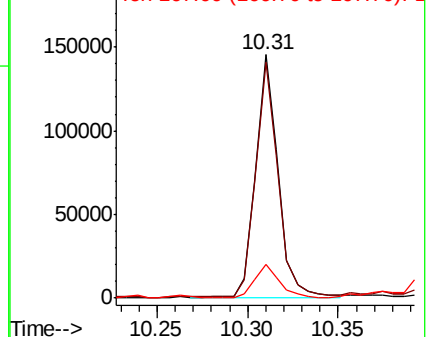
166 100

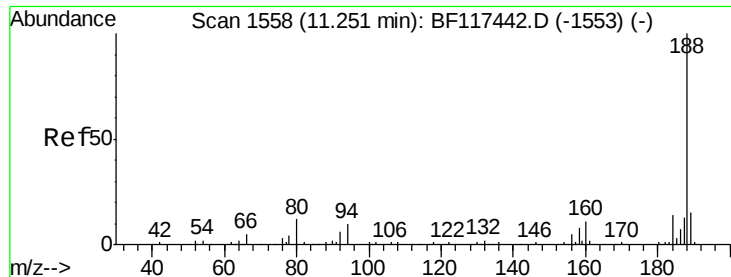
165 97.1 77.6 116.4

167 13.6 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

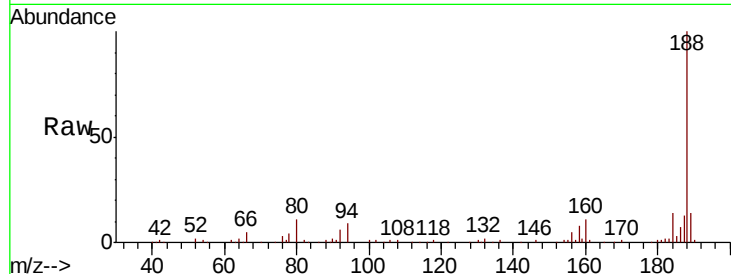




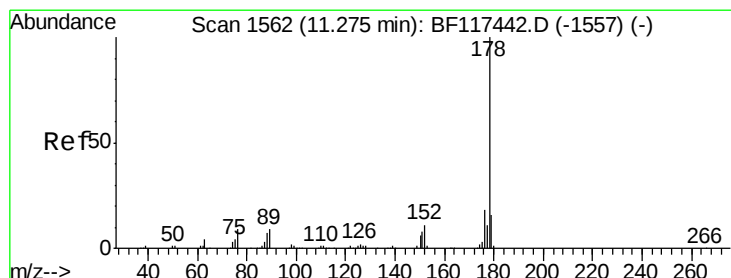
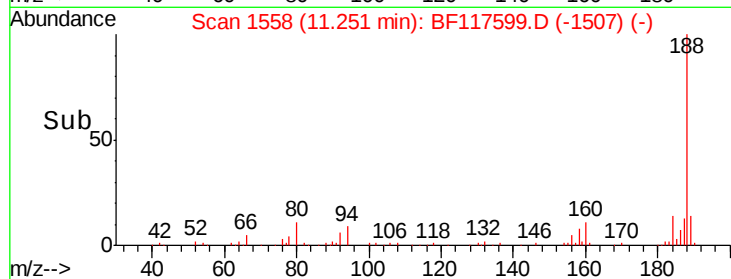
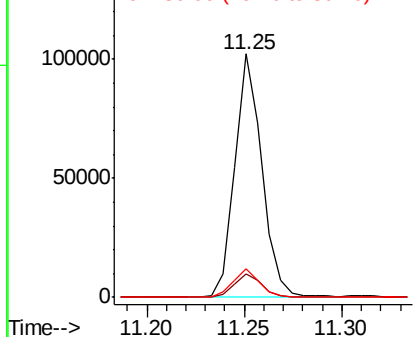
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.25 min Scan# 1558
Delta R.T. -0.00 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 98241
Ion Ratio Lower Upper
188 100
94 9.4 8.0 12.0
80 11.5 9.5 14.3

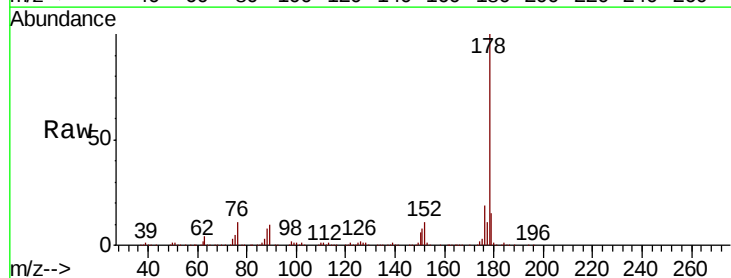


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

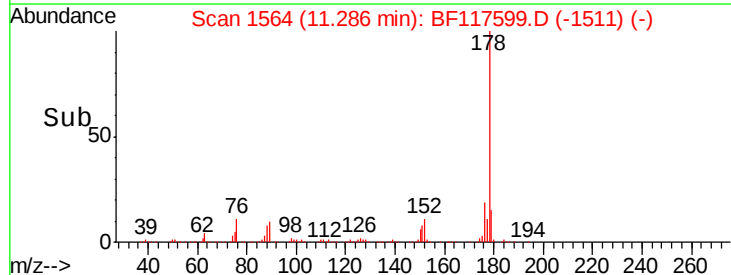
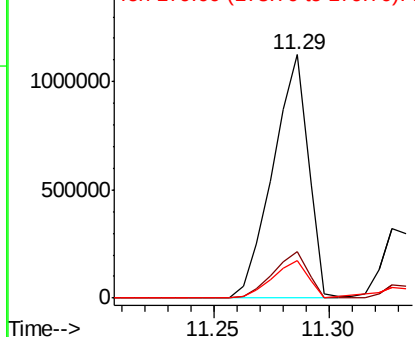


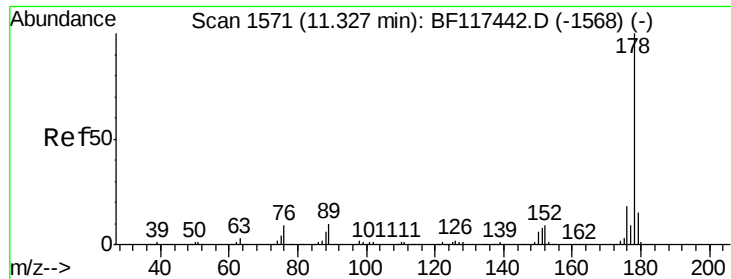
#71
Phenanthrene
Concen: 209.721 ng
RT: 11.29 min Scan# 1564
Delta R.T. 0.01 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

Tgt Ion:178 Resp: 1196352
Ion Ratio Lower Upper
178 100
176 19.2 14.6 22.0
179 15.3 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

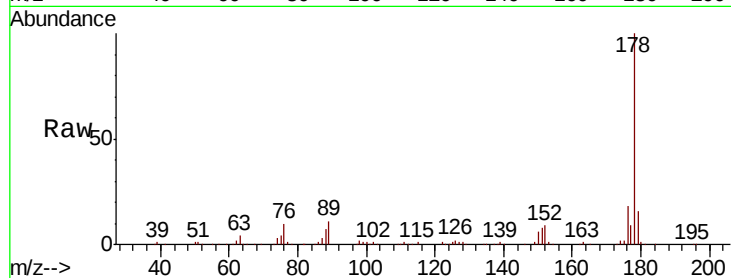




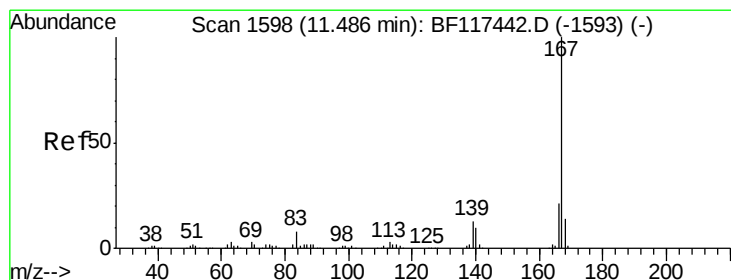
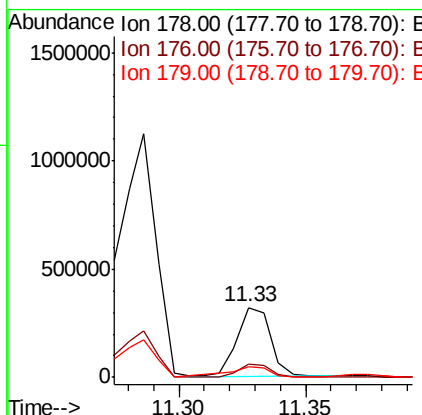
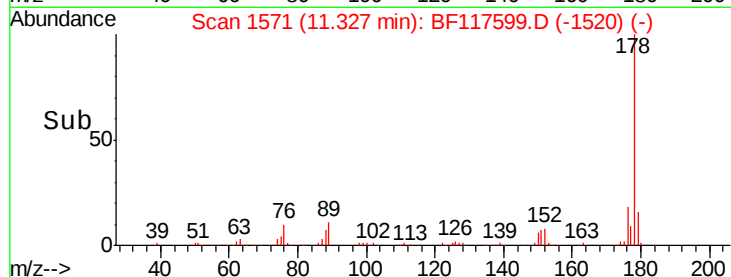
#72
 Anthracene
 Concen: 50.898 ng
 RT: 11.33 min Scan# 1571
 Delta R.T. -0.00 min
 Lab File: BF117599.D
 Acq: 29 Oct 2019 18:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:178 Resp: 297913
 Ion Ratio Lower Upper
 178 100
 176 18.0 14.7 22.1
 179 16.1 12.2 18.2

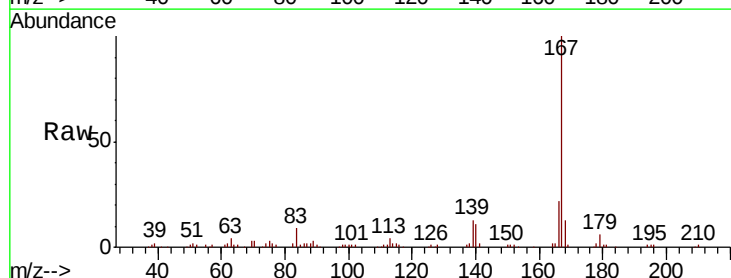


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

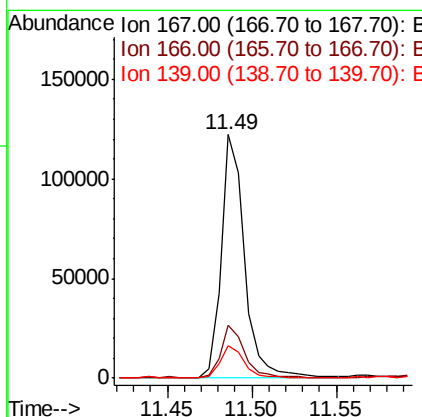
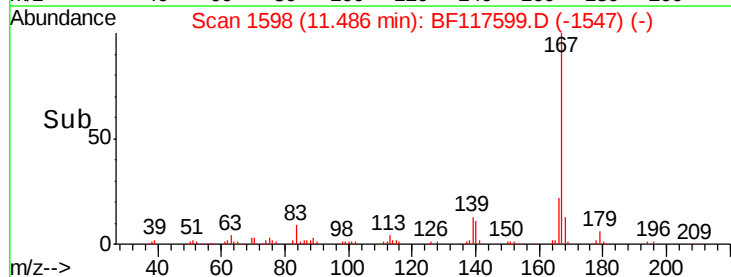


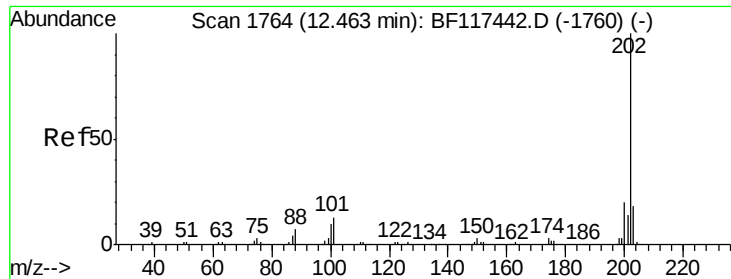
#73
 Carbazole
 Concen: 22.066 ng
 RT: 11.49 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: BF117599.D
 Acq: 29 Oct 2019 18:58

Tgt Ion:167 Resp: 118031
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.0 25.6
 139 13.1 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: 194.647 ng

RT: 12.48 min Scan# 1767

Delta R.T. 0.02 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

Instrument :

BNA_F

ClientSampleId :

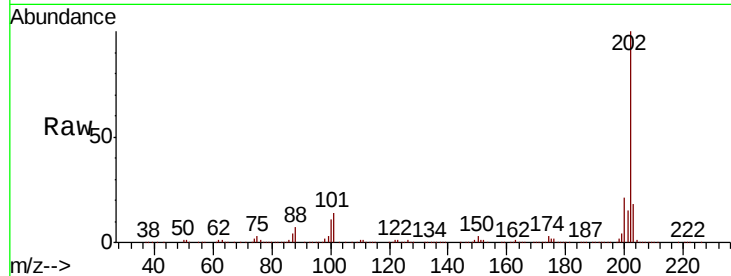
Tot Ion:202 Resp: 1111561

Ion Ratio Lower Upper

202 100

101 13.9 0.0 32.7

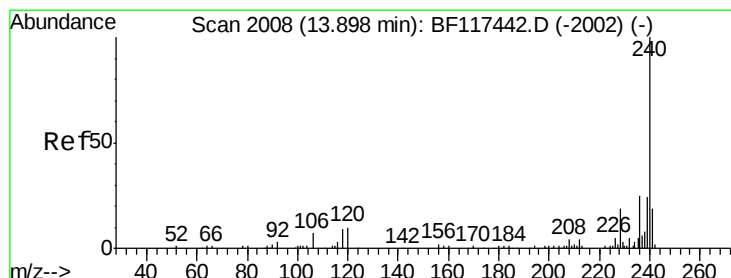
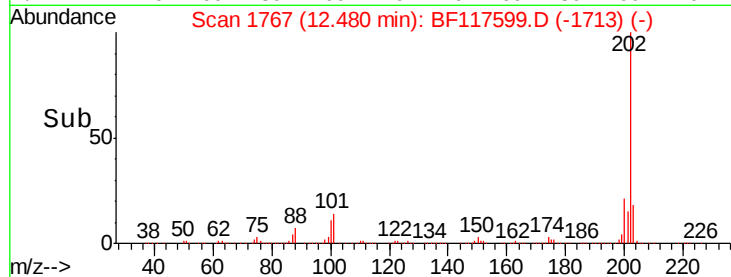
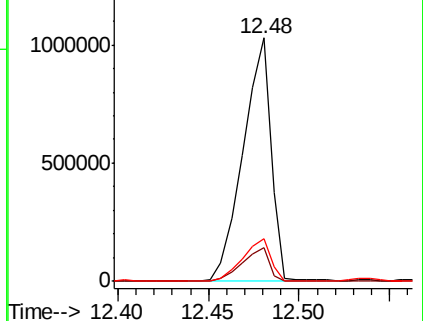
203 17.5 0.0 37.6



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# 2009

Delta R.T. 0.01 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

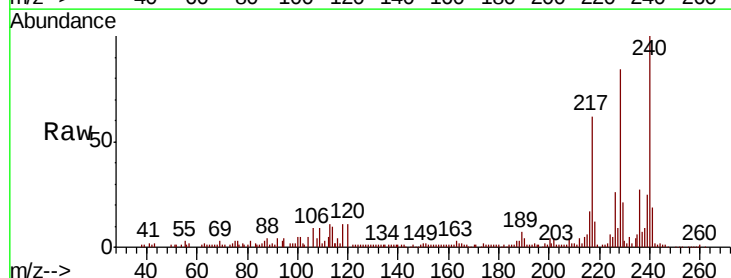
Tgt Ion:240 Resp: 75064

Ion Ratio Lower Upper

240 100

120 11.1 8.4 12.6

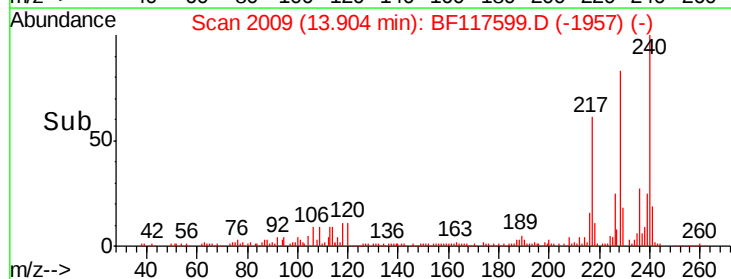
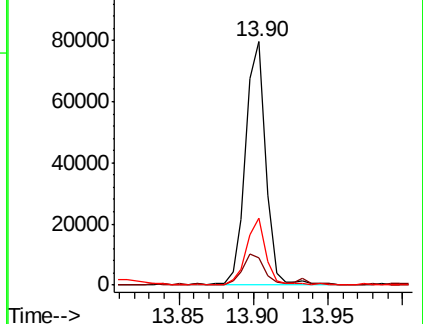
236 27.5 20.0 30.0

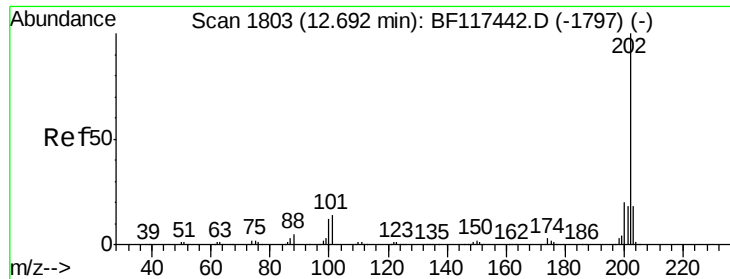


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

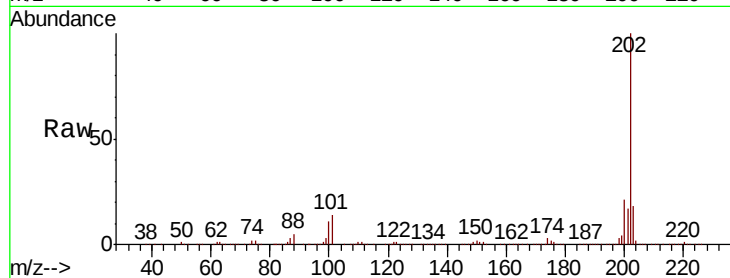




#78
Pvrene
Concen: 144.595 ng
RT: 12.71 min Scan# 1806
Delta R.T. 0.02 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.2	24.2
203	17.8	14.0	21.0

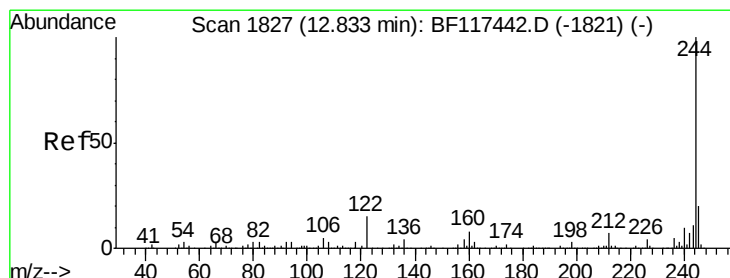
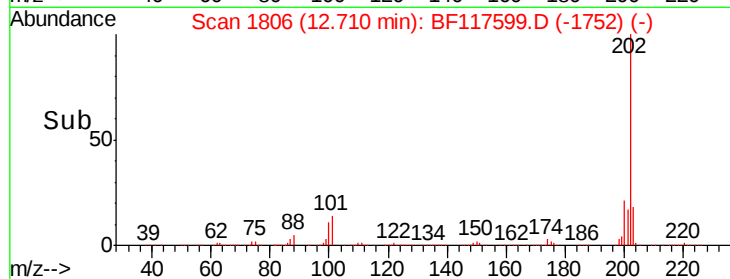
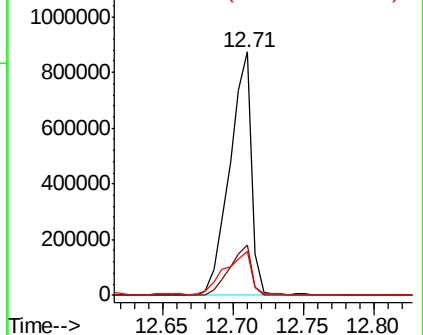


Abundance

Ion 202.00 (201.70 to 202.70): E

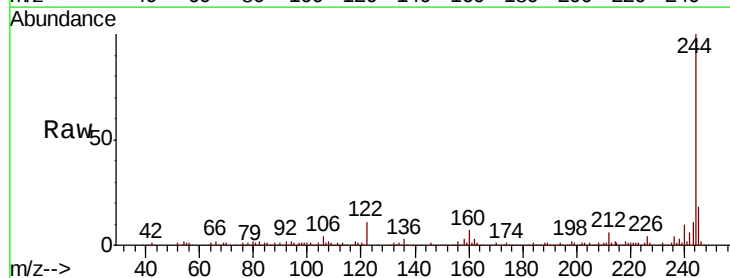
Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#79
Terphenyl-d14
Concen: 36.721 ng
RT: 12.83 min Scan# 1827
Delta R.T. -0.00 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.8	8.6
122	11.0	11.8	17.8#

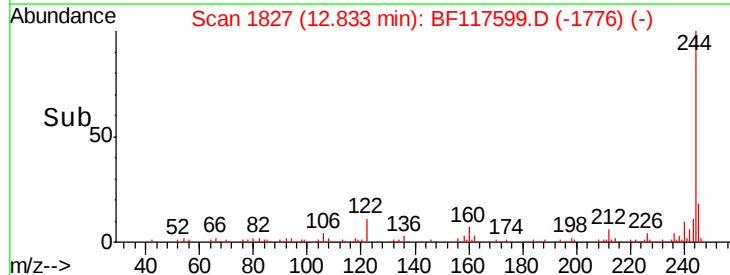
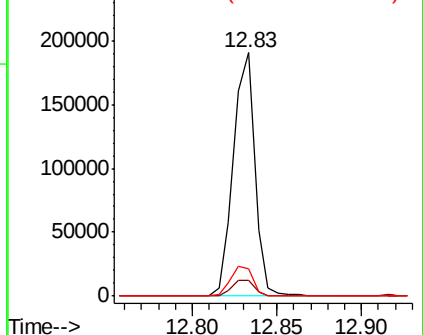


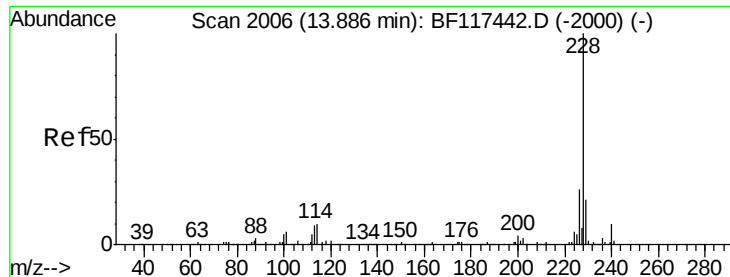
Abundance

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: 87.903 ng

RT: 13.89 min Scan# 2007

Delta R.T. 0.01 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

Instrument :

BNA_F

ClientSampled :

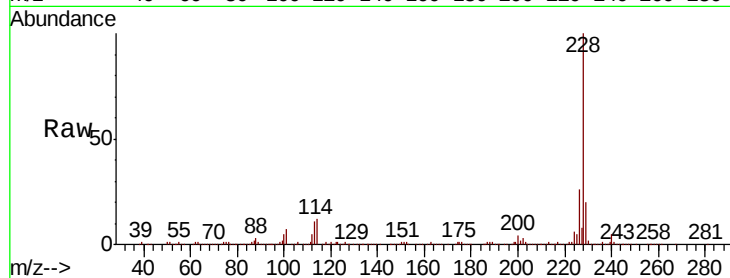
Tot Ion:228 Resp: 445083

Ion Ratio Lower Upper

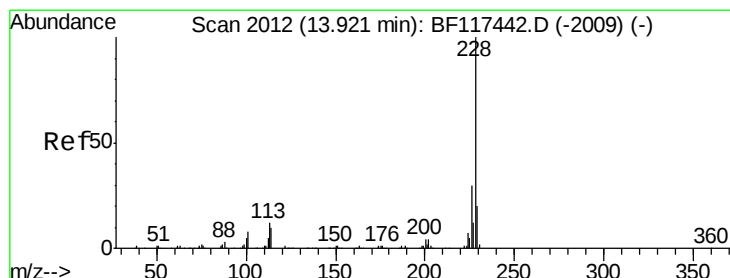
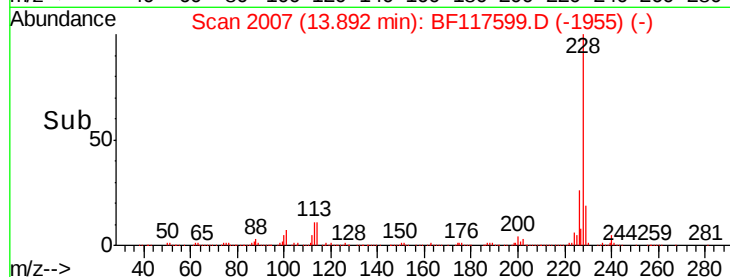
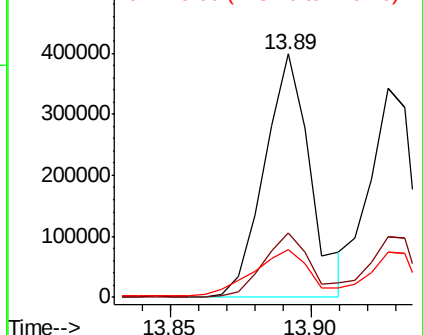
228 100

226 26.4 21.0 31.4

229 19.7 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: 71.163 ng

RT: 13.93 min Scan# 2013

Delta R.T. 0.01 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

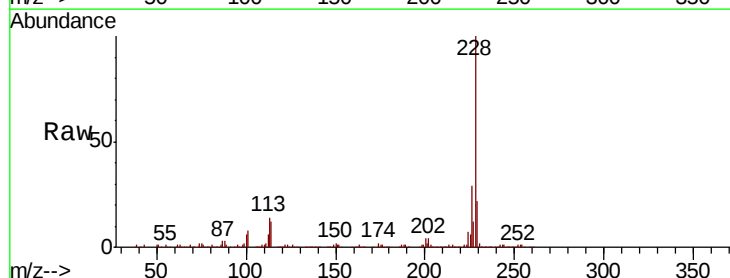
Tgt Ion:228 Resp: 353141

Ion Ratio Lower Upper

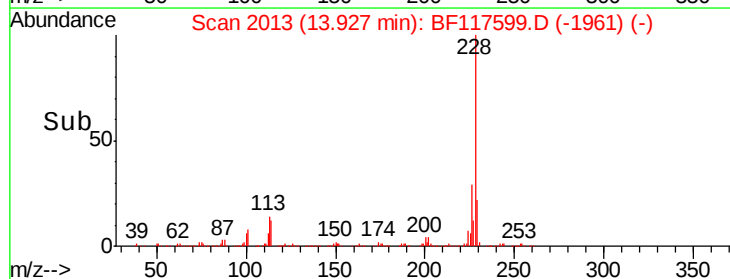
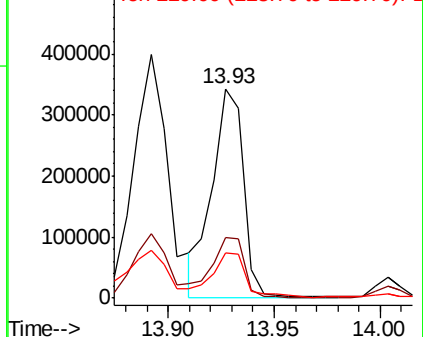
228 100

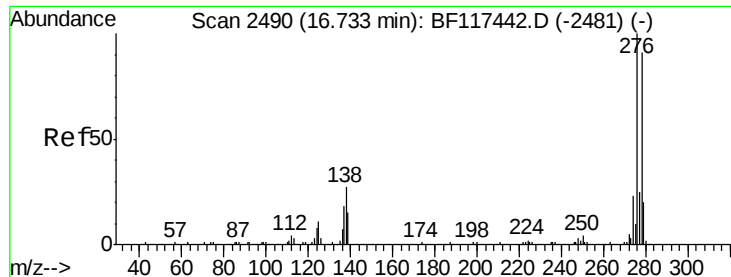
226 28.7 23.9 35.9

229 21.9 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: 26.912 ng

RT: 16.75 min Scan# 2493

Delta R.T. 0.02 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

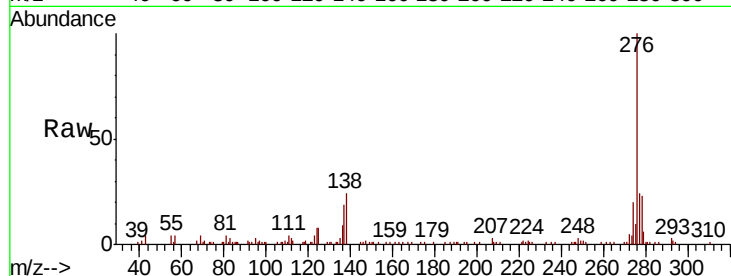
Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 99710

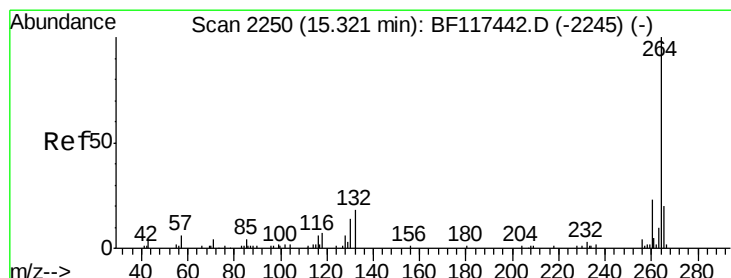
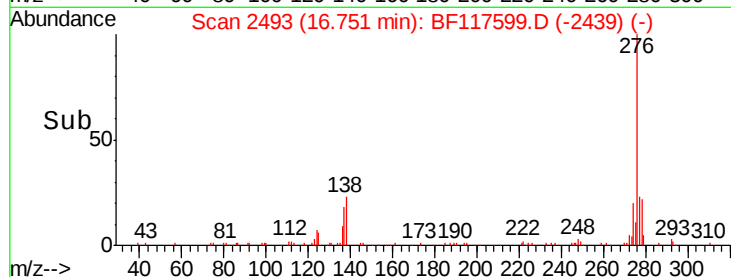
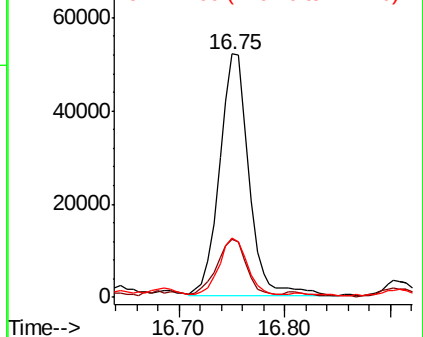
Ion	Ratio	Lower	Upper
276	100		
138	23.4	21.8	32.8
277	22.9	20.0	30.0



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: 15.33 min Scan# 2252

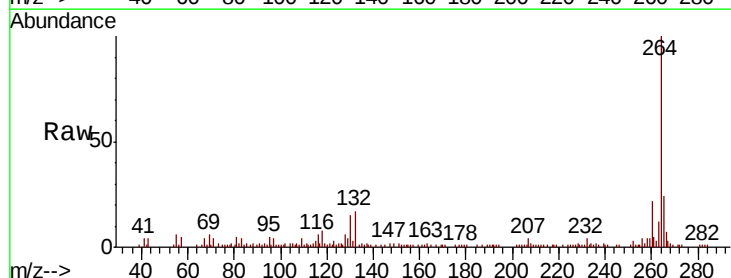
Delta R.T. 0.01 min

Lab File: BF117599.D

Acq: 29 Oct 2019 18:58

Tgt Ion:264 Resp: 58394

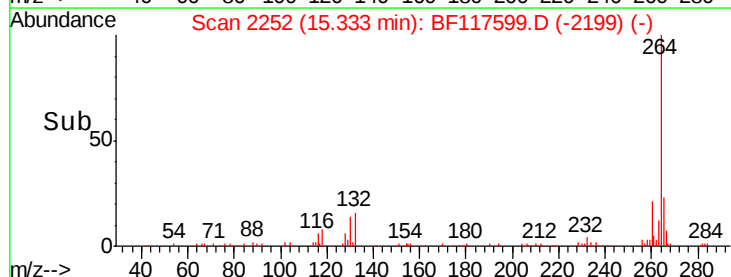
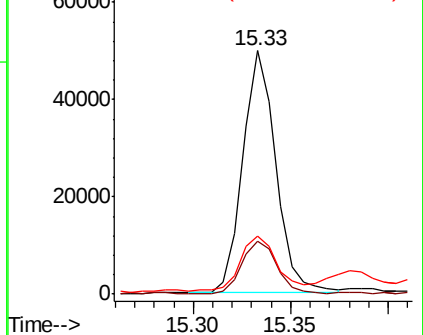
Ion	Ratio	Lower	Upper
264	100		
260	21.9	18.4	27.6
265	23.9	16.1	24.1

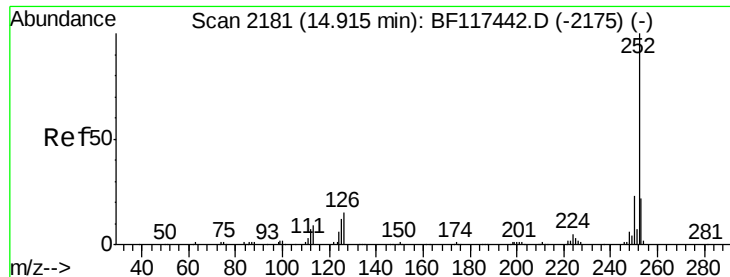


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

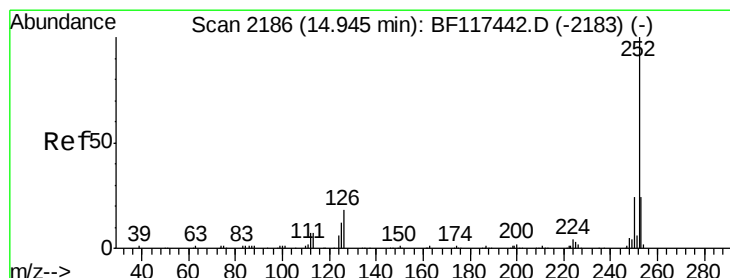
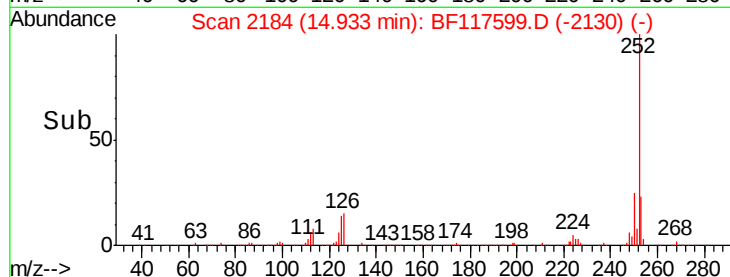
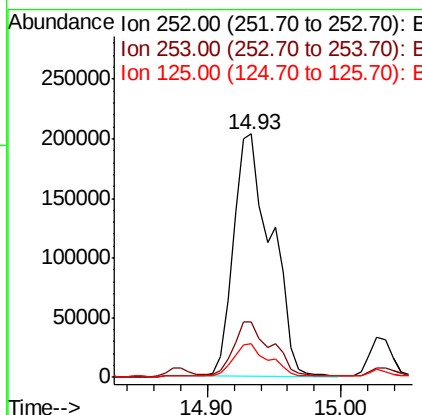
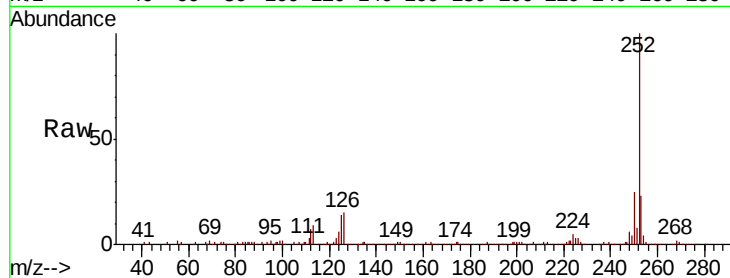




#88
Benzo(b)fluoranthene
Concen: 115.354 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.02 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

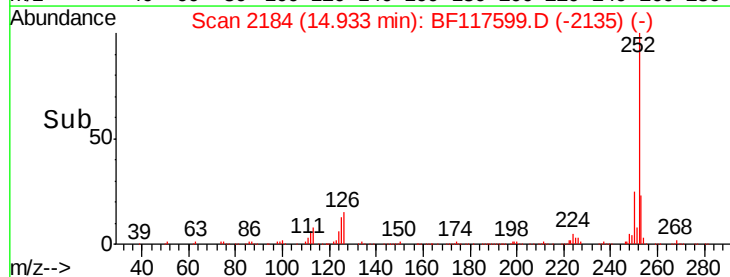
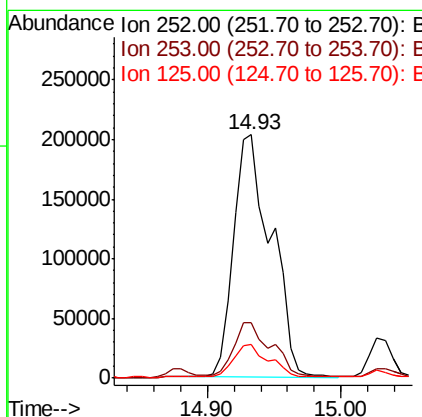
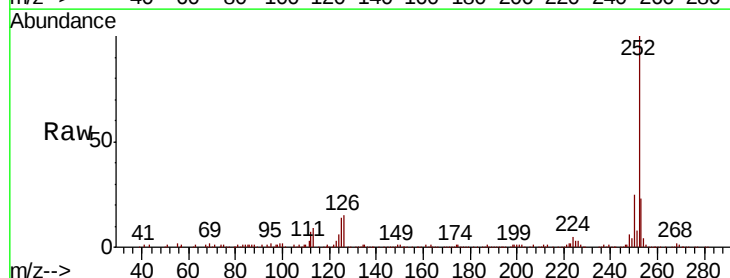
Instrument :
BNA_F
ClientSampleId :

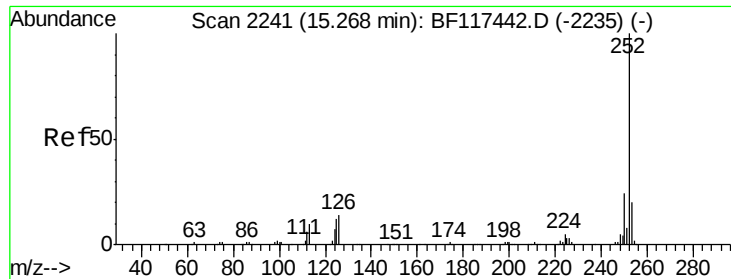
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.8	26.6
125	14.0	9.9	14.9



#89
Benzo(k)fluoranthene
Concen: 112.547 ng
RT: 14.93 min Scan# 2184
Delta R.T. -0.01 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	14.0	8.9	13.3

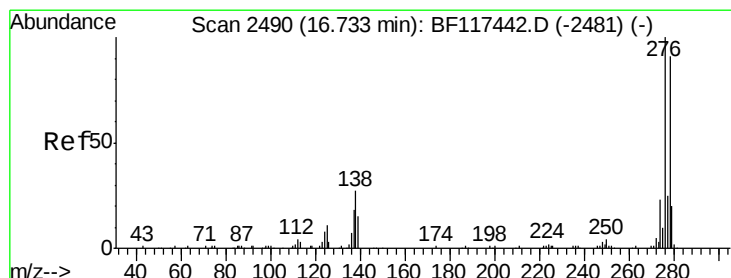
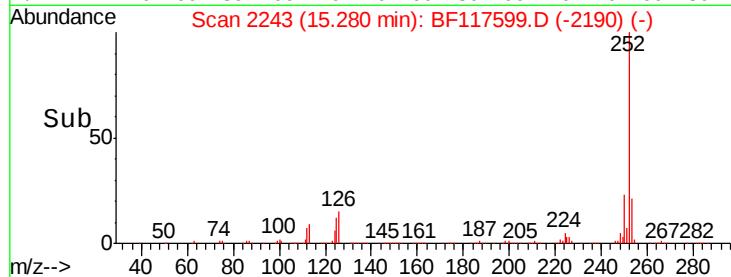
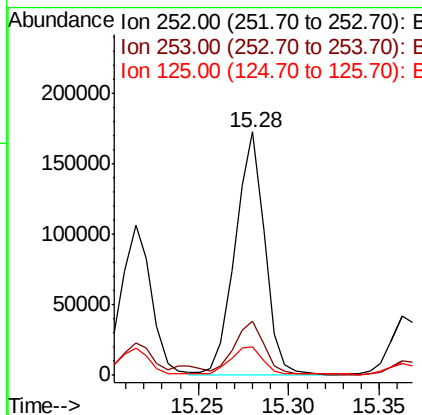
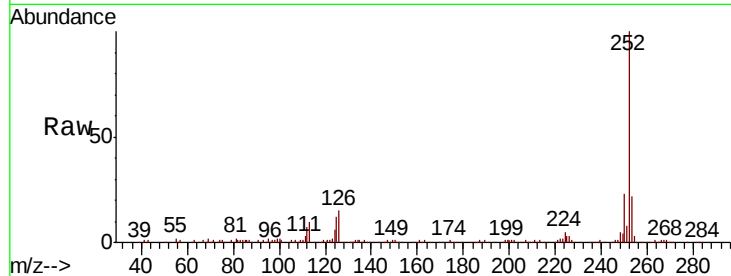




#90
Benzo(a)pyrene
Concen: 62.079 ng
RT: 15.28 min Scan# 2243
Delta R.T. 0.01 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

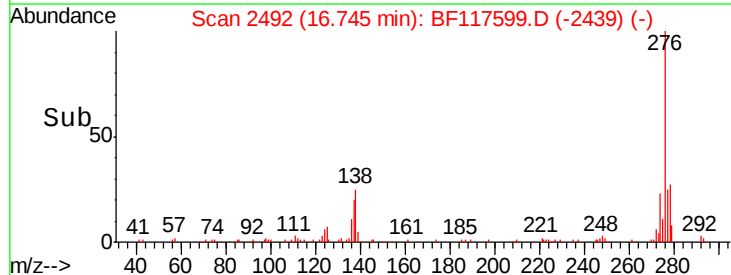
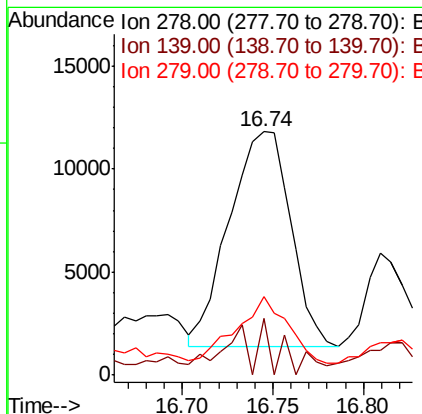
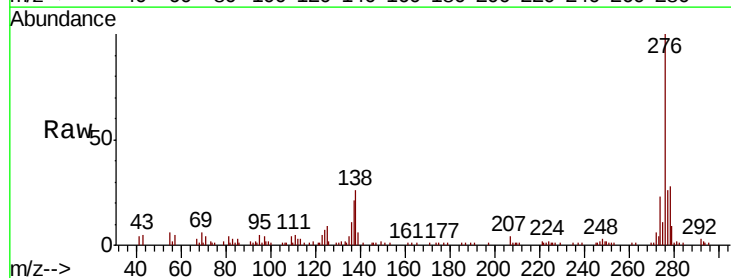
Instrument :
BNA_F
ClientSampled :

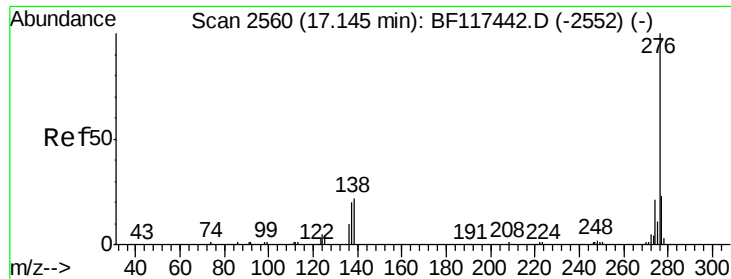
Tot Ion:252 Resp: 194626
Ion Ratio Lower Upper
252 100
253 22.4 16.3 24.5
125 12.0 9.2 13.8



#91
Dibenzo(a,h)anthracene
Concen: 9.111 ng
RT: 16.74 min Scan# 2492
Delta R.T. 0.01 min
Lab File: BF117599.D
Acq: 29 Oct 2019 18:58

Tgt Ion:278 Resp: 24700
Ion Ratio Lower Upper
278 100
139 23.1 13.4 20.0#
279 32.2 17.8 26.6#





#92
 Benzo(a,h,i)perylene
 Concen: 34.439 ng
 RT: 17.18 min Scan# 2566
 Delta R.T. 0.04 min
 Lab File: BF117599.D
 Acq: 29 Oct 2019 18:58

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	24.1	18.4	27.6
138	23.8	17.8	26.6

