

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF102919\
 Data File : BF117595.D
 Acq On : 29 Oct 2019 17:11
 Operator : JU
 Sample : K5540-13
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 30 03:31:42 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	41092	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	148326	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	64507	20.00	ng	0.00
64) Phenanthrene-d10	11.24	188	93366	20.00	ng	0.00
76) Chrysene-d12	13.89	240	73046	20.00	ng	0.00
87) Perylene-d12	15.33	264	58411	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.36	112	232405	84.14	ng	0.00
7) Phenol-d6	6.39	99	318422	85.83	ng	0.00
23) Nitrobenzene-d5	7.29	82	180679	60.14	ng	-0.01
42) 2,4,6-Tribromophenol	10.56	330	39461	70.70	ng	0.00
45) 2-Fluorobiphenyl	9.08	172	205913	44.98	ng	-0.01
79) Terphenyl-d14	12.83	244	154832	34.57	ng	0.00

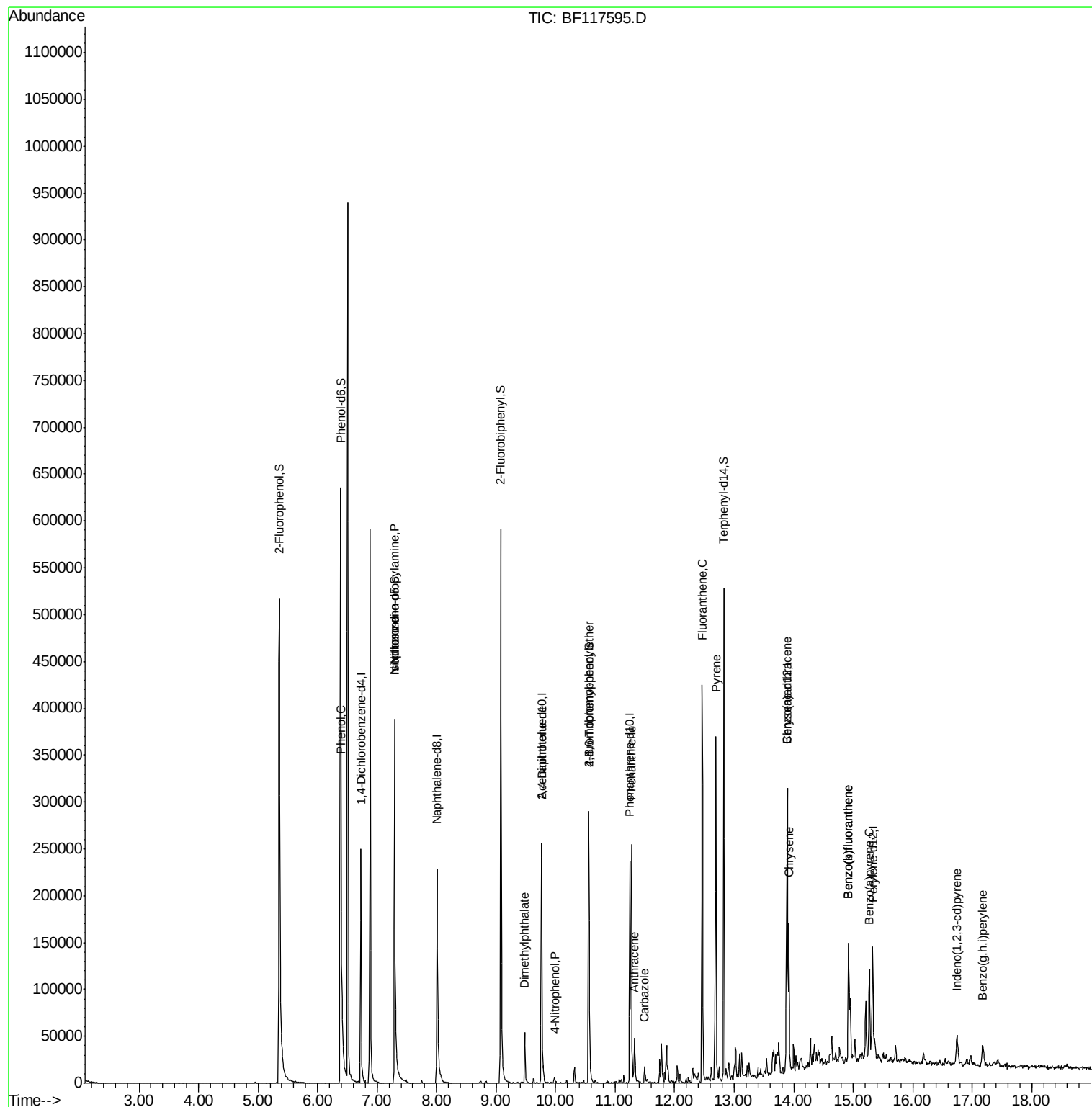
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.38	77	311	Below Cal		# 3
10) Phenol	6.40	94	12876	3.401	ng	95
19) n-Nitroso-di-n-propylamine	7.29	70	24534	10.829	ng	# 78
25) Isophorone	7.29	82	180677	34.762	ng	# 65
50) Dimethylphthalate	9.48	163	29421	6.398	ng	97
56) 4-Nitrophenol	9.98	139	1883	7.462	ng	# 6
57) 2,4-Dinitrotoluene	9.76	165	7790	6.106	ng	# 12
67) 4-Bromophenyl-phenylether	10.56	248	2493	2.479	ng	# 1
71) Phenanthrene	11.27	178	111410	20.550	ng	98
72) Anthracene	11.33	178	24105	4.333	ng	96
73) Carbazole	11.50	167	10606	2.086	ng	97
75) Fluoranthene	12.46	202	169593	31.248	ng	99
77) Benzidine	12.83	184	2202	Below Cal		# 84
78) Pyrene	12.69	202	146949	23.421	ng	99
81) Benzo(a)anthracene	13.89	228	70258	14.259	ng	99
83) Chrysene	13.92	228	62307	12.903	ng	97
86) Indeno(1,2,3-cd)pyrene	16.75	276	21960	6.091	ng	96
88) Benzo(b)fluoranthene	14.92	252	82369	23.880	ng	99
89) Benzo(k)fluoranthene	14.92	252	82369	23.299	ng	98
90) Benzo(a)pyrene	15.27	252	42873	13.671	ng	95
92) Benzo(a,h,i)perylene	17.18	276	19207	7.486	ng	93

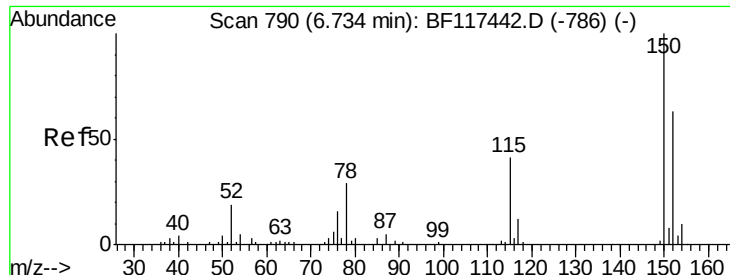
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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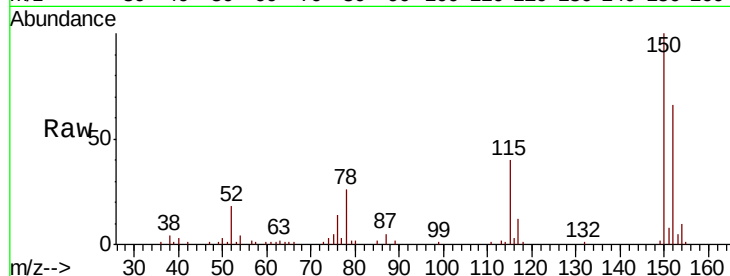


#1

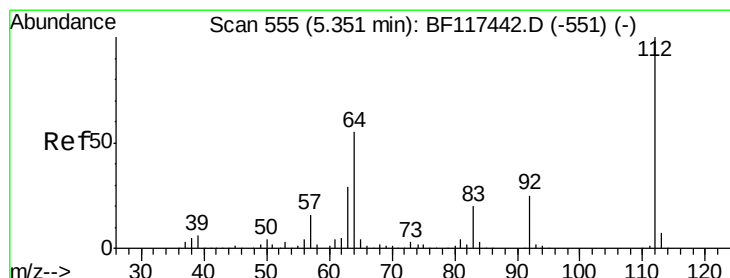
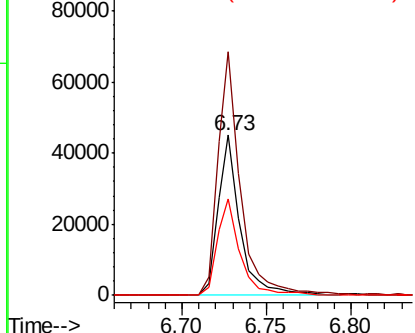
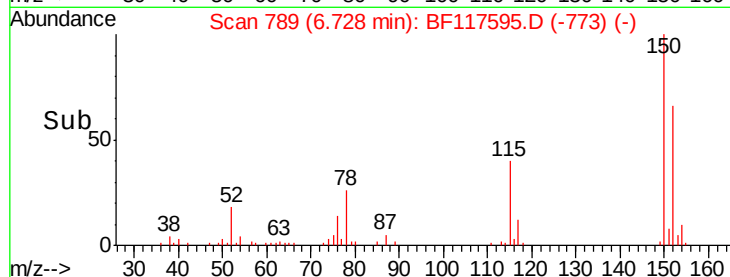
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.73 min Scan# 789
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 41092
Ion Ratio Lower Upper
152 100
150 151.8 126.8 190.2
115 60.4 51.6 77.4



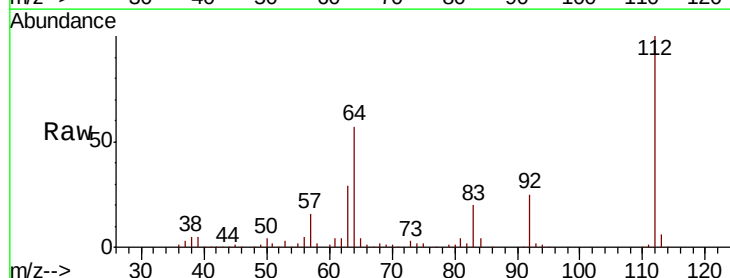
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



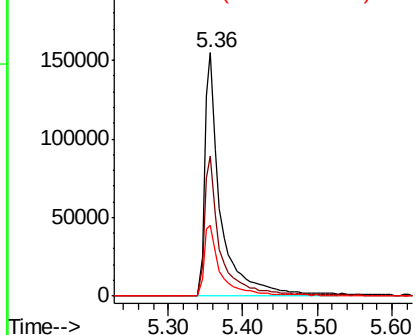
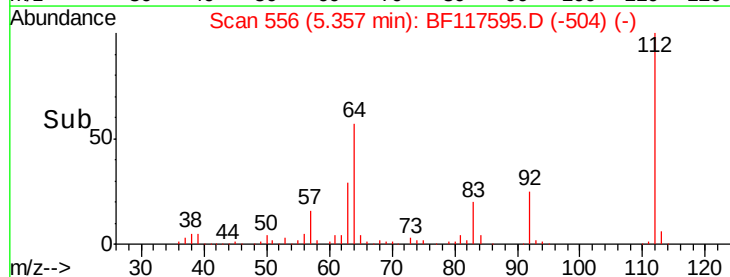
#5

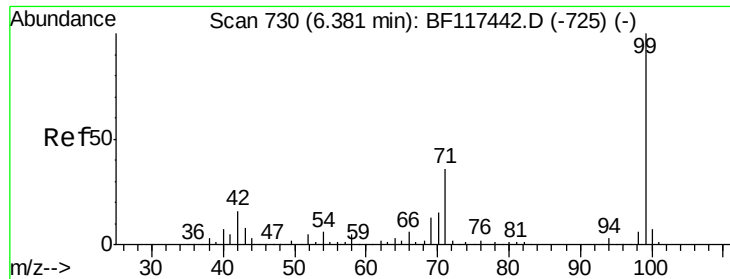
2-Fluorophenol
Concen: 84.140 ng
RT: 5.36 min Scan# 556
Delta R.T. 0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion:112 Resp: 232405
Ion Ratio Lower Upper
112 100
64 57.4 44.1 66.1
63 29.2 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: 85.832 ng

RT: 6.39 min Scan# 731

Delta R.T. 0.01 min

Lab File: BF117595.D

Acq: 29 Oct 2019 17:11

Instrument :

BNA_F

ClientSampleId :

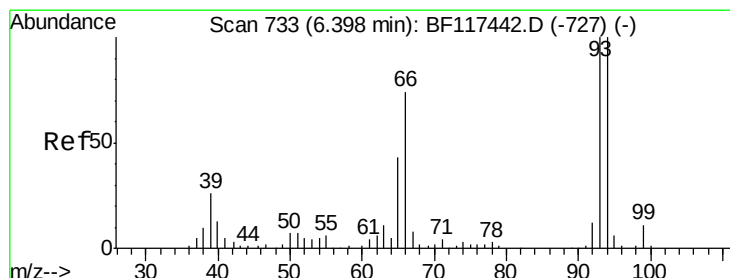
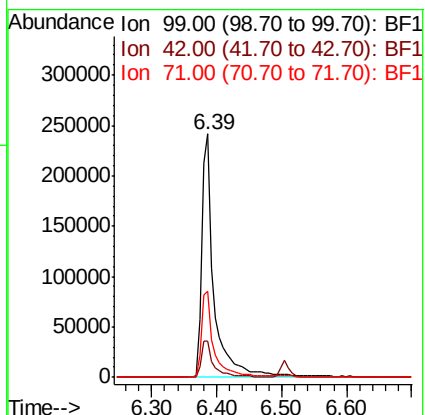
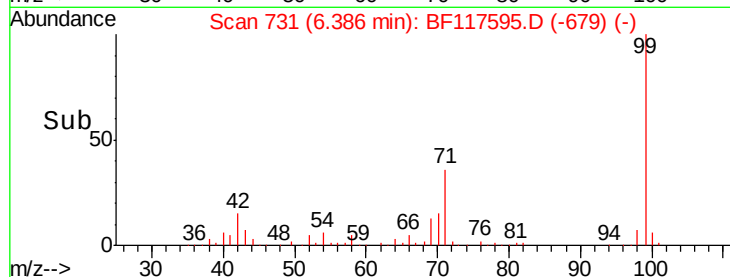
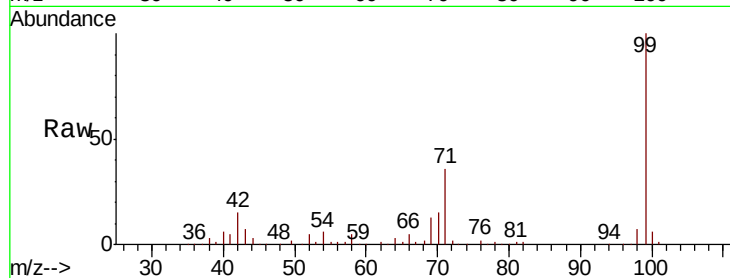
Tot Ion: 99 Resp: 318422

Ion Ratio Lower Upper

99 100

42 15.1 12.8 19.2

71 35.6 28.6 43.0



#10

Phenol

Concen: 3.401 ng

RT: 6.40 min Scan# 733

Delta R.T. -0.00 min

Lab File: BF117595.D

Acq: 29 Oct 2019 17:11

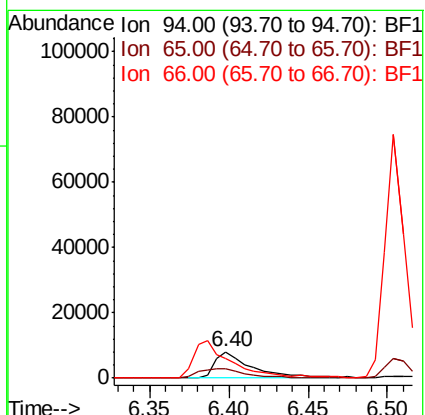
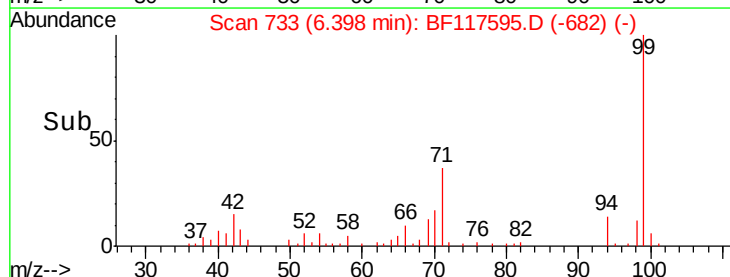
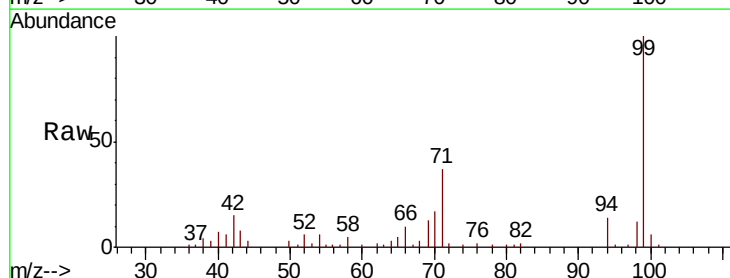
Tgt Ion: 94 Resp: 12876

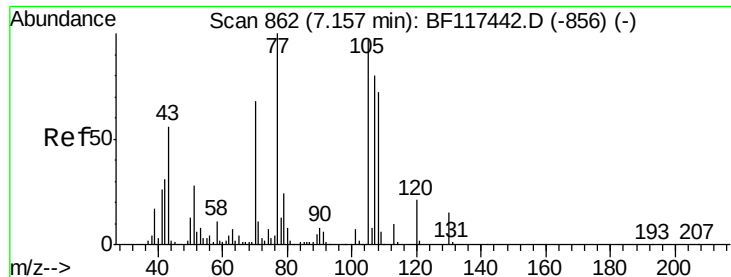
Ion Ratio Lower Upper

94 100

65 34.2 23.4 63.4

66 74.7 54.7 94.7

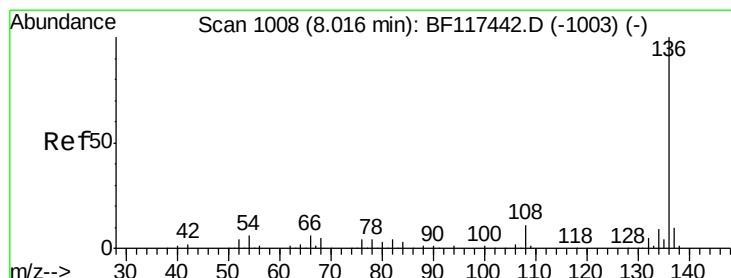
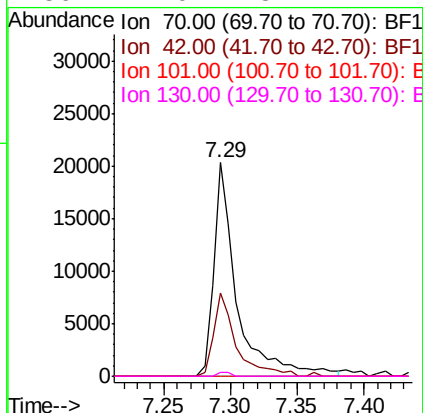
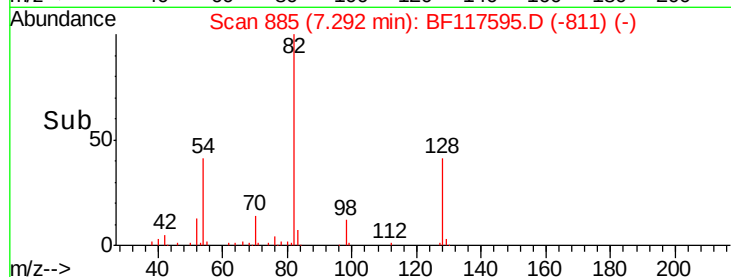
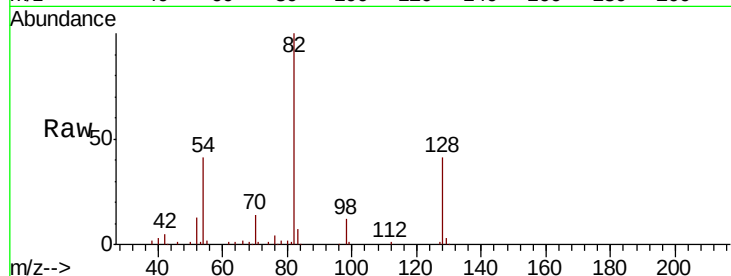




#19
n-Nitroso-di-n-propylamine
Concen: 10.829 ng
RT: 7.29 min Scan# 885
Delta R.T. 0.14 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

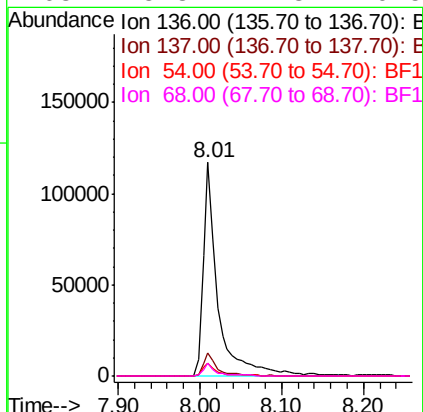
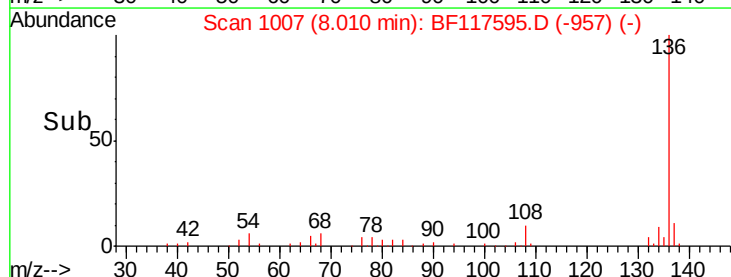
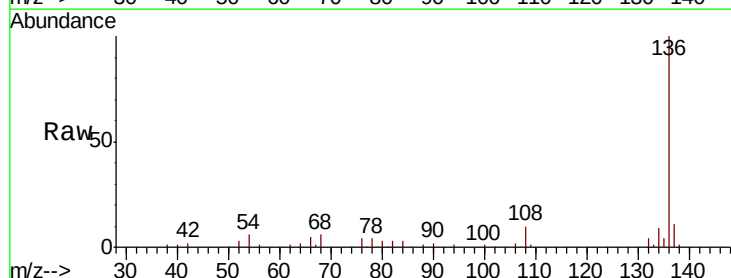
Instrument :
BNA_F
ClientSampleId :

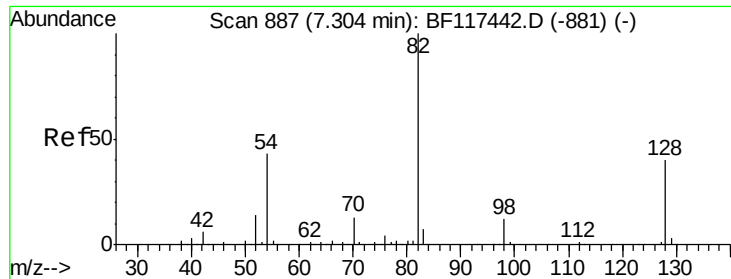
Tot Ion: 70 Resp: 24534
Ion Ratio Lower Upper
70 100
42 38.7 36.7 55.1
101 0.0 8.3 12.5#
130 2.0 18.1 27.1#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion:136 Resp: 148326
Ion Ratio Lower Upper
136 100
137 11.0 8.2 12.4
54 6.1 4.5 6.7
68 5.8 4.3 6.5

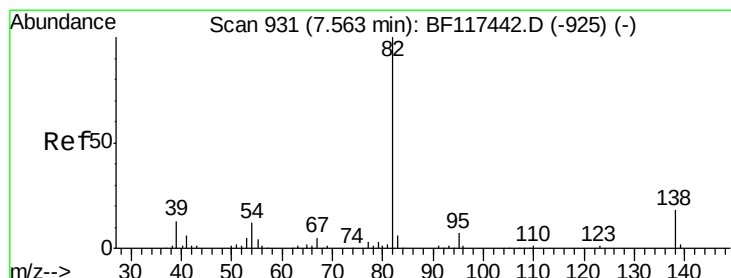
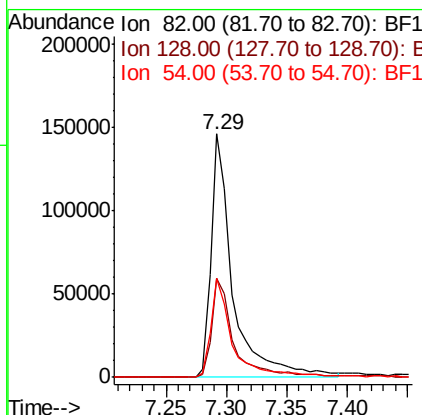
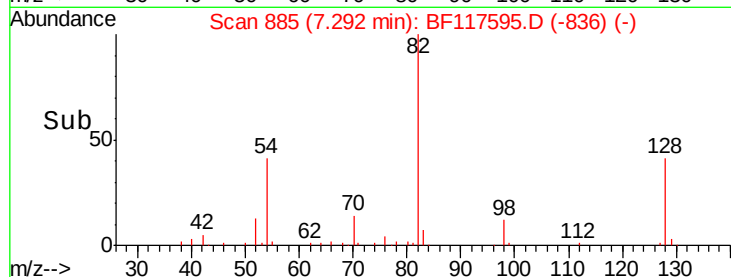
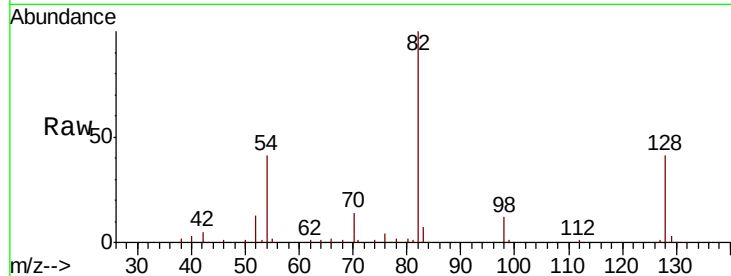




#23
 Nitrobenzene-d5
 Concen: 60.136 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.01 min
 Lab File: BF117595.D
 Acq: 29 Oct 2019 17:11

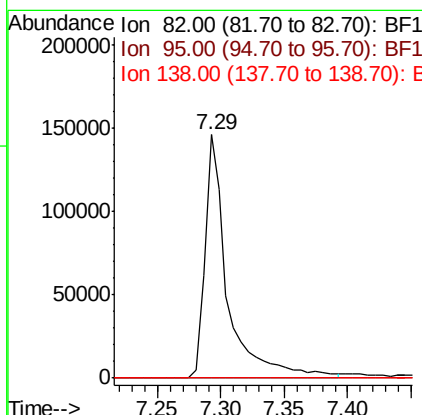
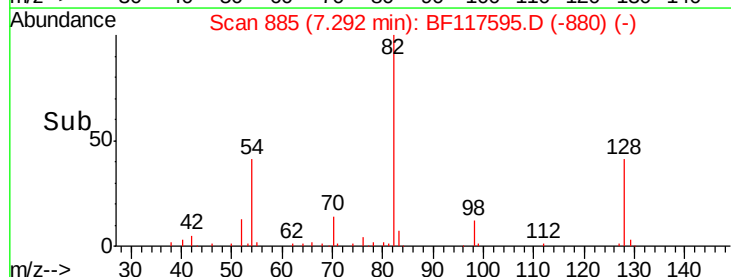
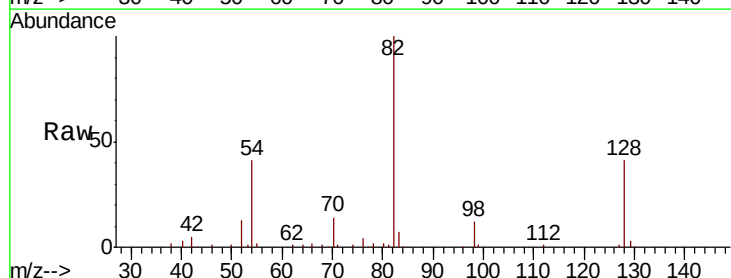
Instrument :
 BNA_F
 ClientSampleId :

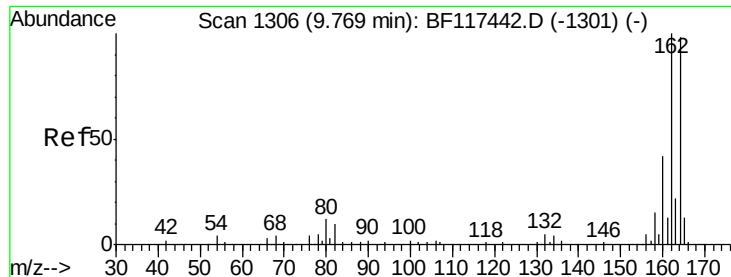
Tot Ion	82	Resp	180679
Ion Ratio	Lower	Upper	
82	100		
128	40.7	32.2	48.2
54	40.9	34.2	51.2



#25
 Isophorone
 Concen: 34.762 ng
 RT: 7.29 min Scan# 885
 Delta R.T. -0.27 min
 Lab File: BF117595.D
 Acq: 29 Oct 2019 17:11

Tgt Ion	82	Resp	180677
Ion Ratio	Lower	Upper	
82	100		
95	0.0	5.4	8.0#
138	0.0	14.2	21.2#





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF117595.D

Acq: 29 Oct 2019 17:11

Instrument :

BNA_F

ClientSampleId :

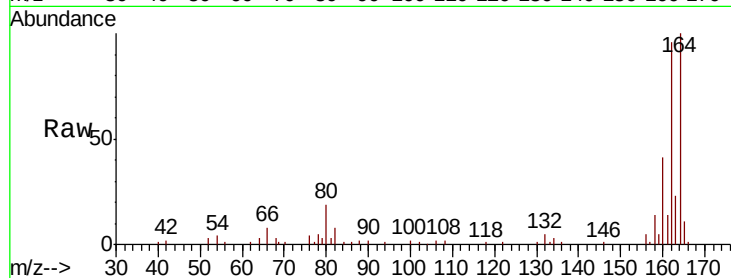
Tot Ion:164 Resp: 64507

Ion Ratio Lower Upper

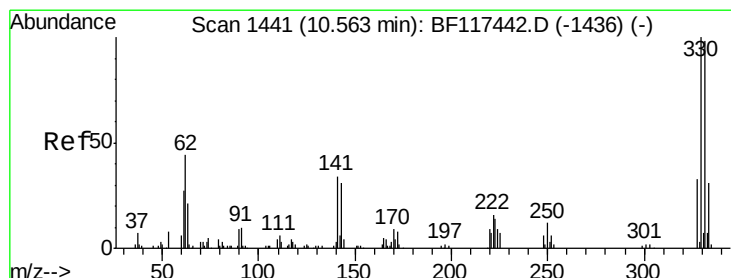
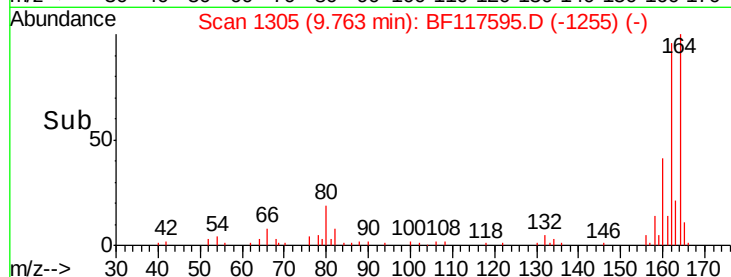
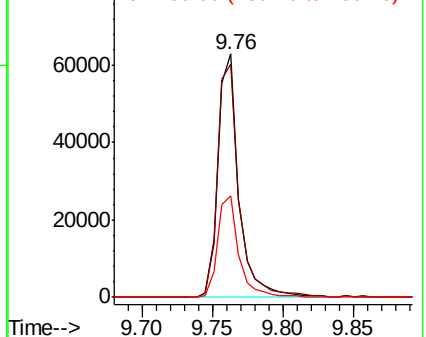
164 100

162 96.1 81.8 122.6

160 41.5 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: 70.699 ng

RT: 10.56 min Scan# 1440

Delta R.T. -0.01 min

Lab File: BF117595.D

Acq: 29 Oct 2019 17:11

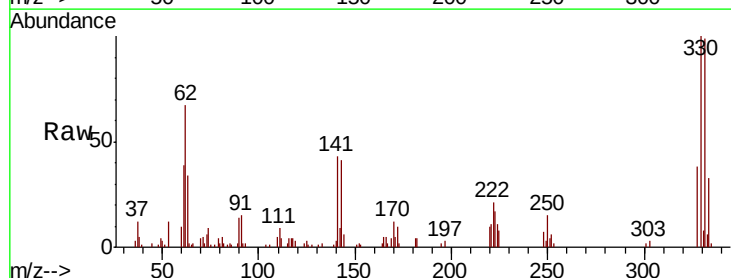
Tgt Ion:330 Resp: 39461

Ion Ratio Lower Upper

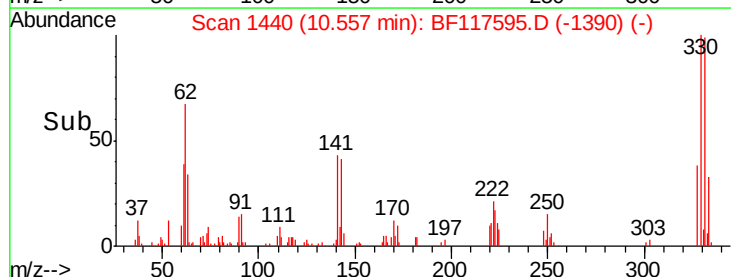
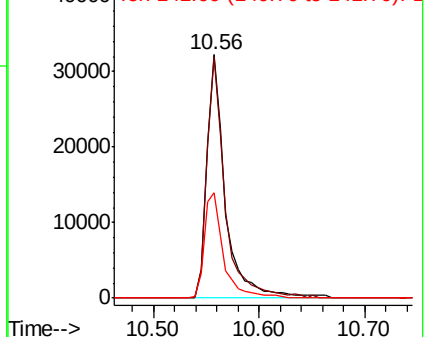
330 100

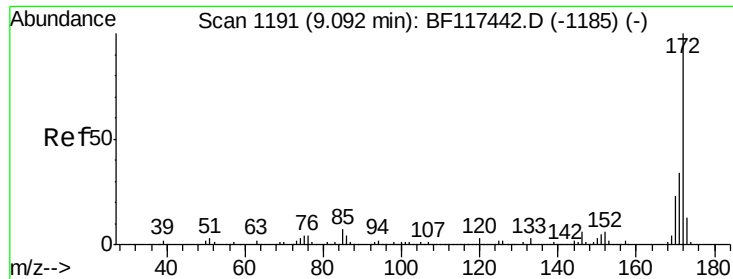
332 97.1 78.5 117.7

141 44.1 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

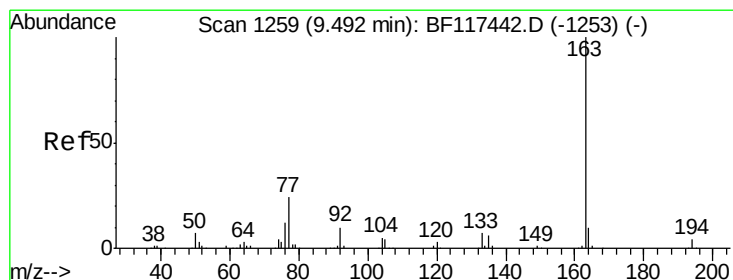
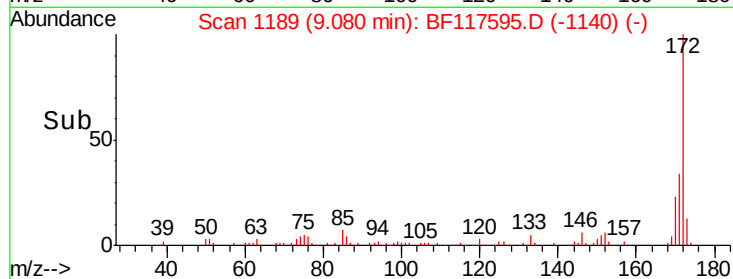
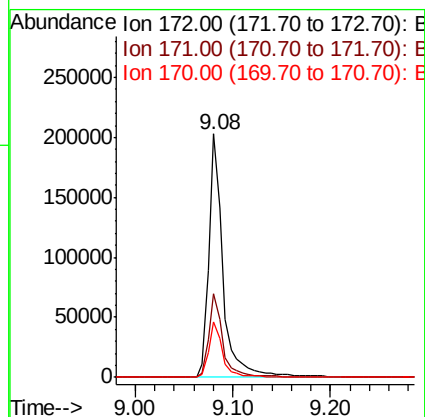
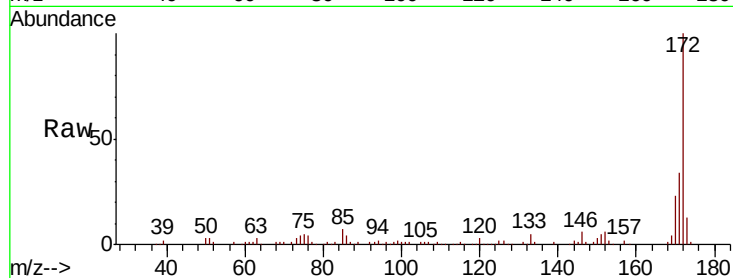




#45
2-Fluorobiphenyl
Concen: 44.976 ng
RT: 9.08 min Scan# 1189
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

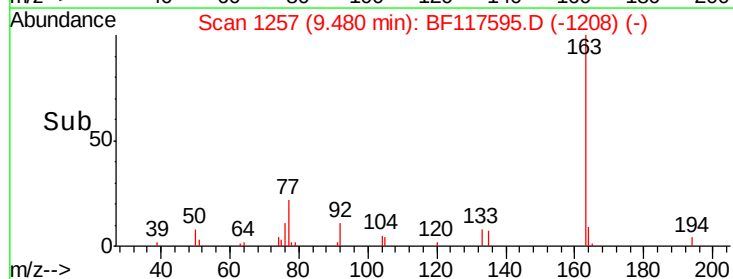
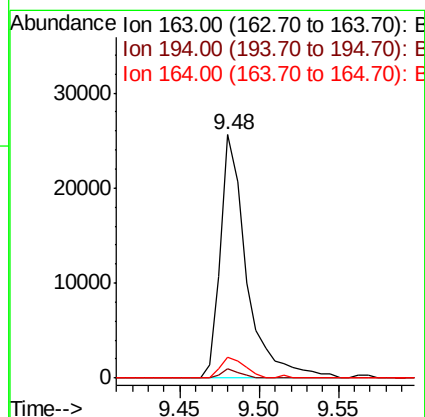
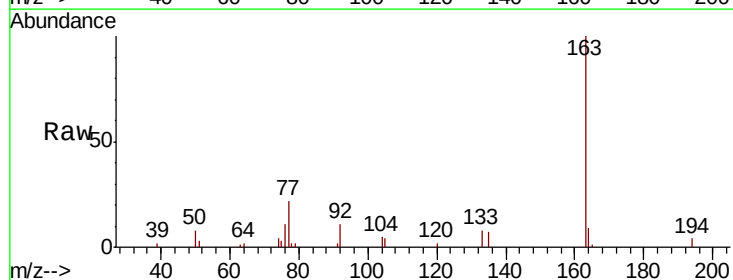
Instrument :
BNA_F
ClientSampleId :

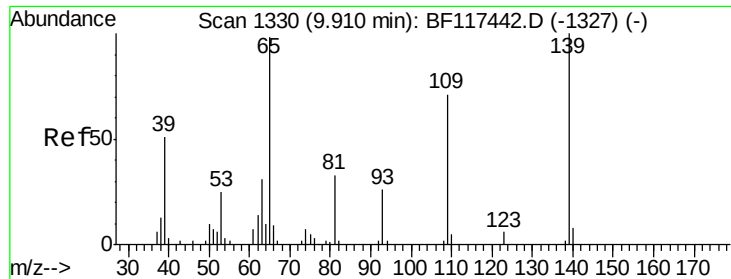
Tot Ion:172 Resp: 205913
Ion Ratio Lower Upper
172 100
171 34.1 27.5 41.3
170 22.5 18.6 27.8



#50
Dimethylphthalate
Concen: 6.398 ng
RT: 9.48 min Scan# 1257
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion:163 Resp: 29421
Ion Ratio Lower Upper
163 100
194 3.7 2.9 4.3
164 8.8 8.2 12.2

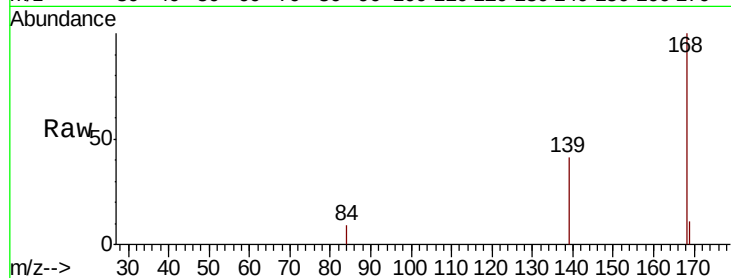




#56
4-Nitrophenol
Concen: 7.462 ng
RT: 9.98 min Scan# 1342
Delta R.T. 0.07 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

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#

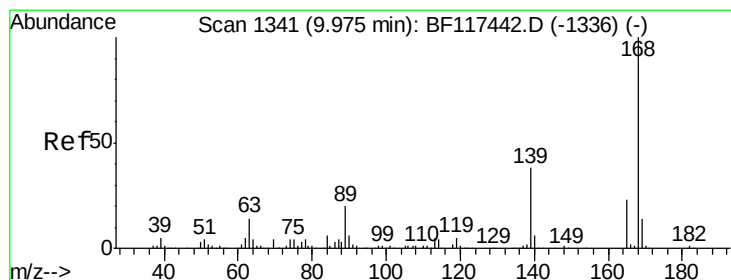
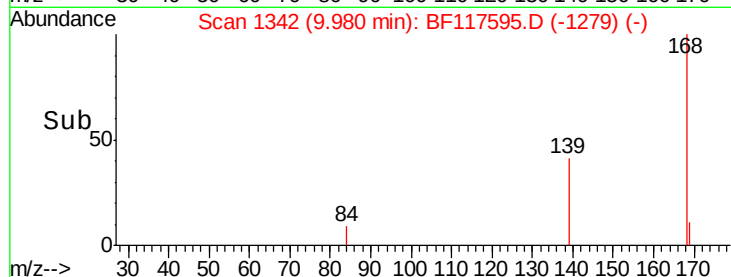
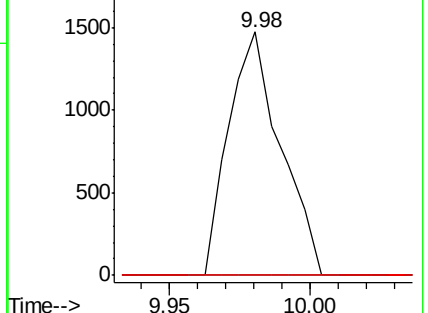


Abundance

Ion 139.00 (138.70 to 139.70): E

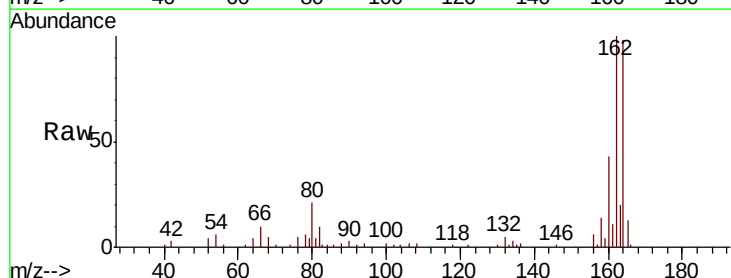
Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1



#57
2,4-Dinitrotoluene
Concen: 6.106 ng
RT: 9.76 min Scan# 1304
Delta R.T. -0.22 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

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#



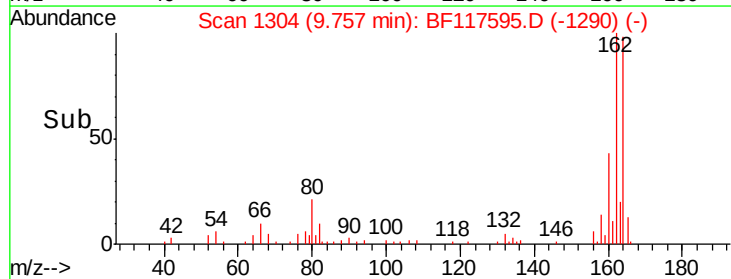
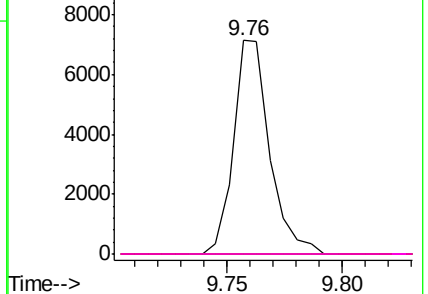
Abundance

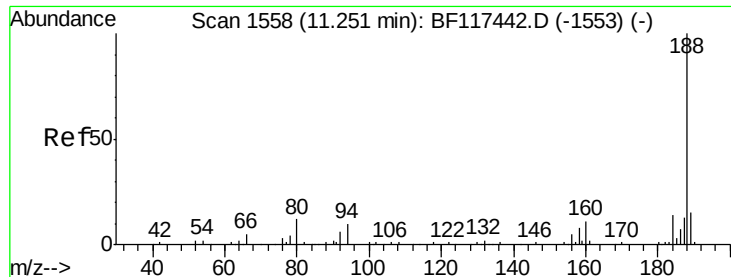
Ion 165.00 (164.70 to 165.70): E

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

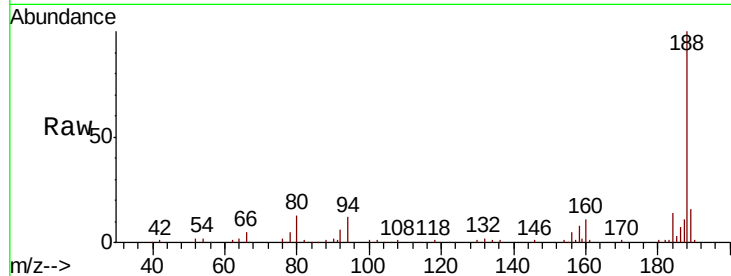




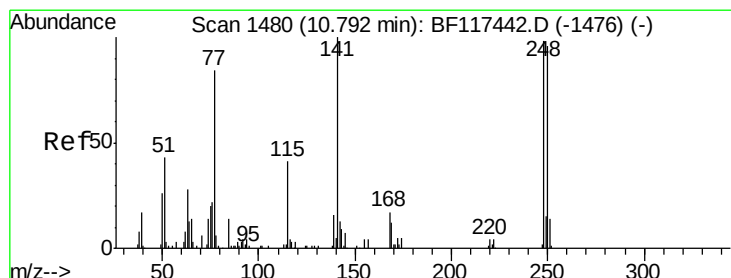
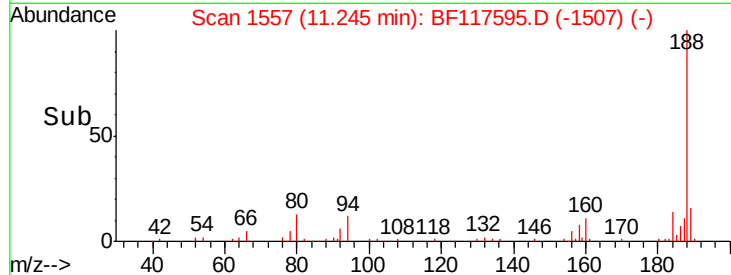
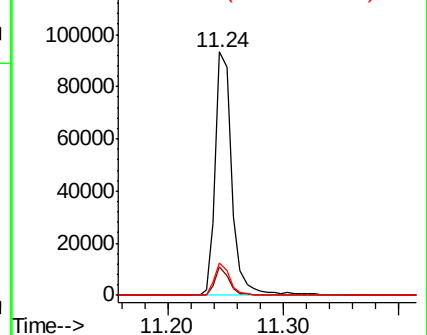
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.24 min Scan# 1557
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 93366
Ion Ratio Lower Upper
188 100
94 11.8 8.0 12.0
80 13.1 9.5 14.3

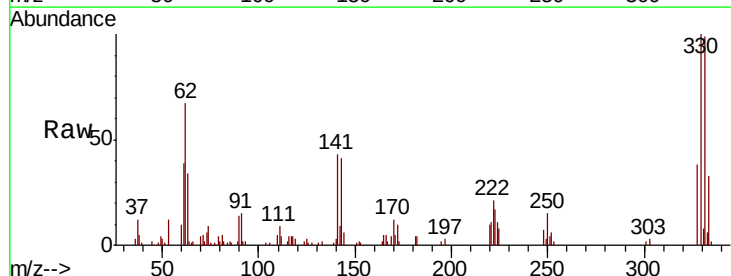


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

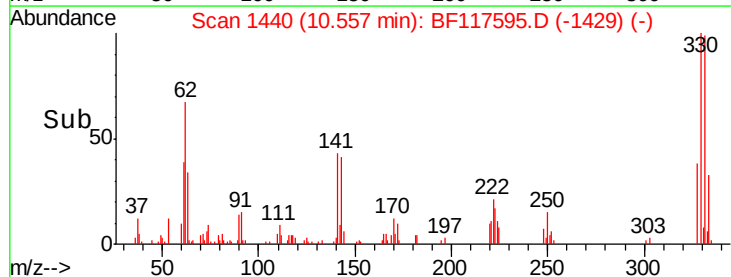
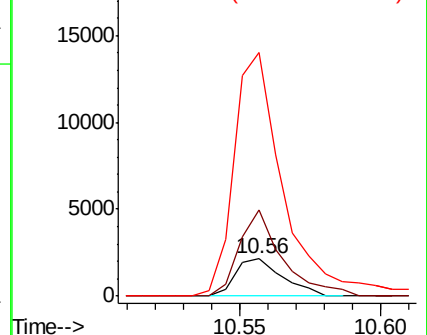


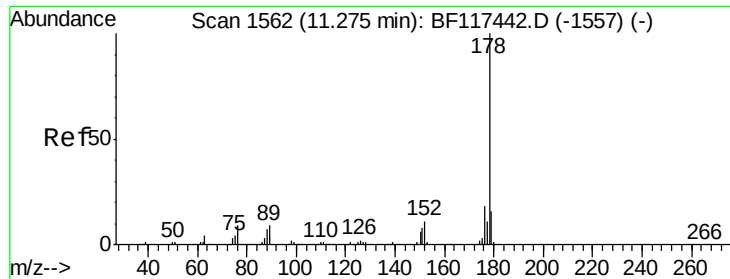
#67
4-Bromophenyl-phenylether
Concen: 2.479 ng
RT: 10.56 min Scan# 1440
Delta R.T. -0.24 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion:248 Resp: 2493
Ion Ratio Lower Upper
248 100
250 232.9 78.0 117.0#
141 657.1 81.7 122.5#



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





#71

Phenanthrene

Concen: 20.550 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.00 min

Lab File: BF117595.D

Acq: 29 Oct 2019 17:11

Instrument :

BNA_F

ClientSampleId :

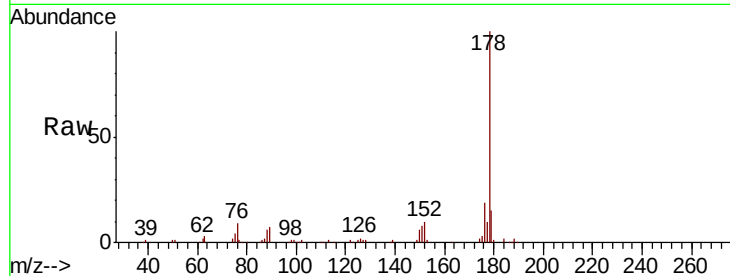
Tot Ion:178 Resp: 111410

Ion Ratio Lower Upper

178 100

176 18.6 14.6 22.0

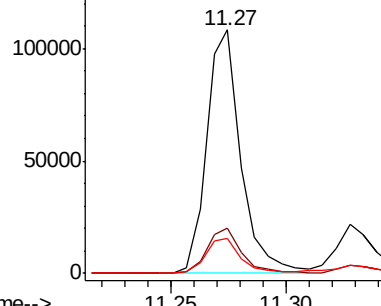
179 14.6 12.6 19.0



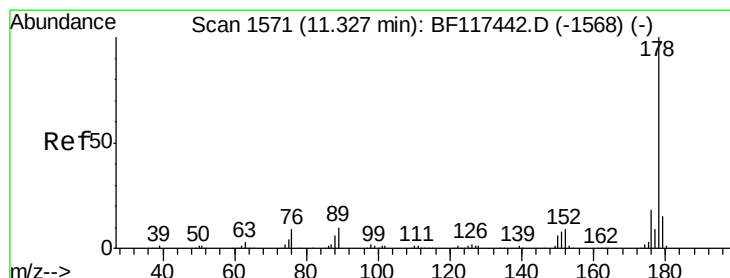
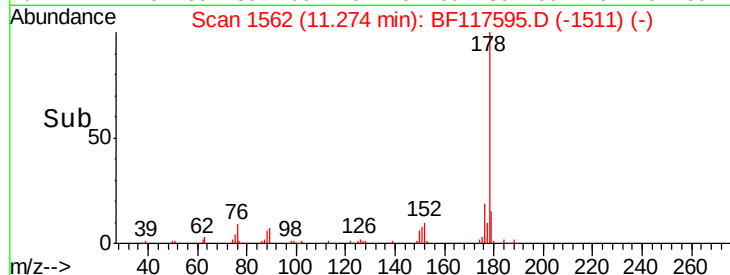
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->



#72

Anthracene

Concen: 4.333 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.00 min

Lab File: BF117595.D

Acq: 29 Oct 2019 17:11

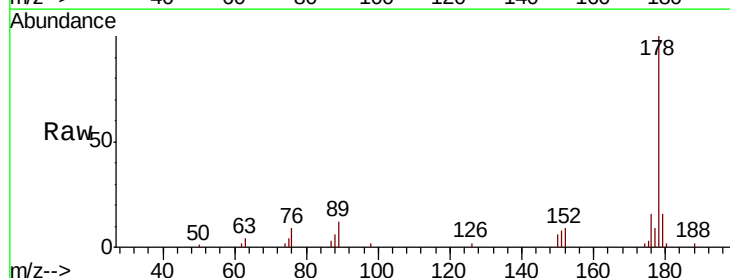
Tgt Ion:178 Resp: 24105

Ion Ratio Lower Upper

178 100

176 16.0 14.7 22.1

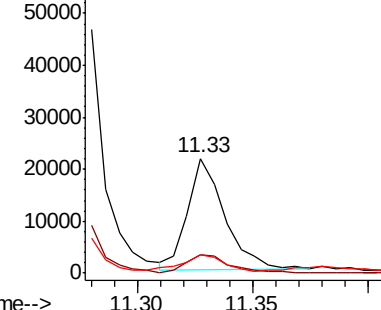
179 16.3 12.2 18.2



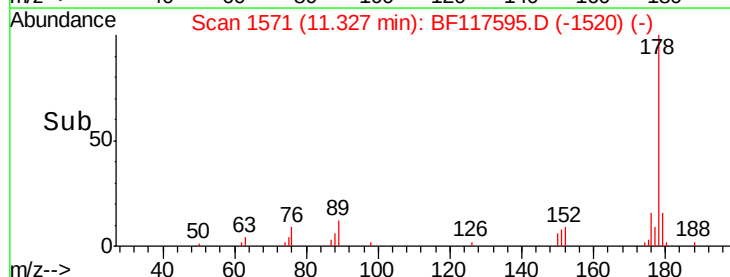
Abundance Ion 178.00 (177.70 to 178.70): E

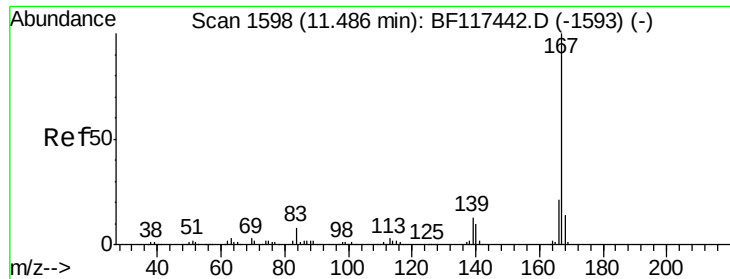
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time-->

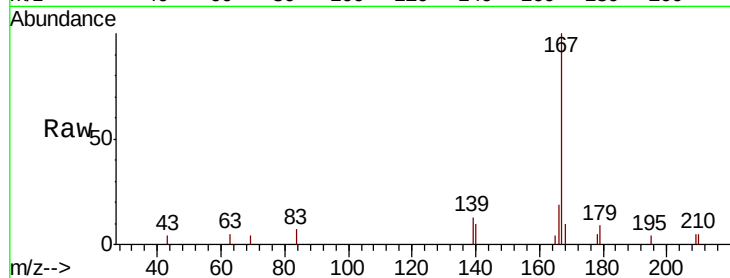




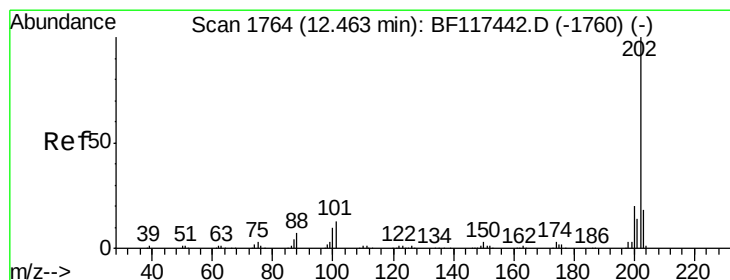
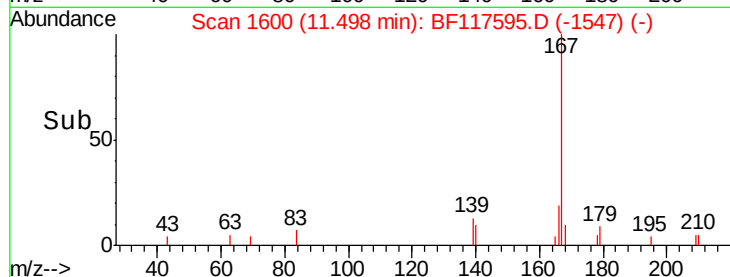
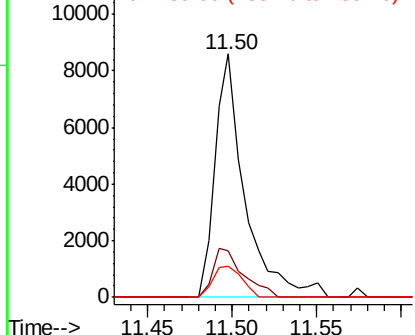
#73
 Carbazole
 Concen: 2.086 ng
 RT: 11.50 min Scan# 1600
 Delta R.T. 0.01 min
 Lab File: BF117595.D
 Acq: 29 Oct 2019 17:11

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:167 Resp: 10606
 Ion Ratio Lower Upper
 167 100
 166 19.0 17.0 25.6
 139 12.9 10.6 16.0

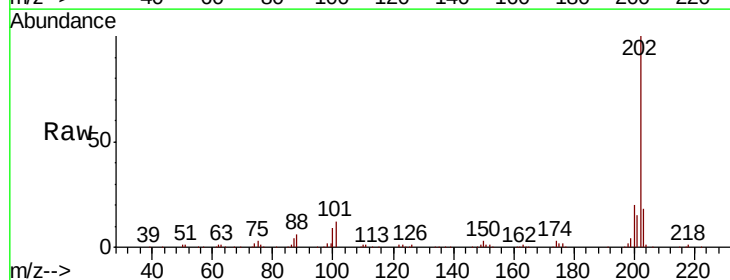


Abundance Ion 167.00 (166.70 to 167.70): E
 Ion 166.00 (165.70 to 166.70): E
 Ion 139.00 (138.70 to 139.70): E

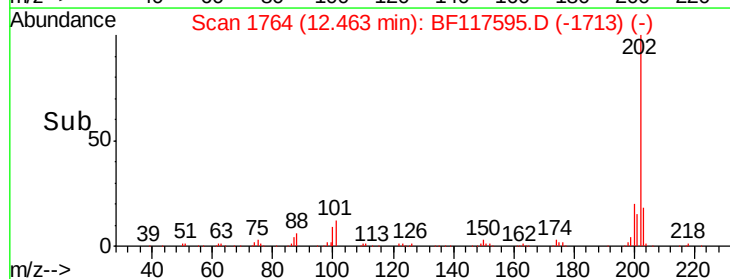
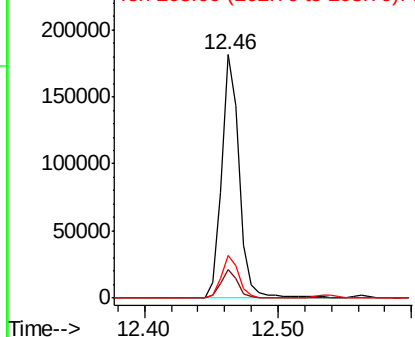


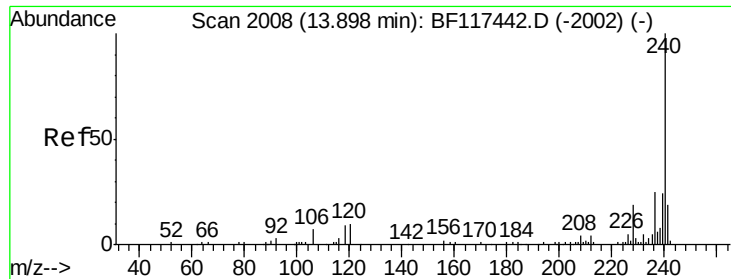
#75
 Fluoranthene
 Concen: 31.248 ng
 RT: 12.46 min Scan# 1764
 Delta R.T. -0.00 min
 Lab File: BF117595.D
 Acq: 29 Oct 2019 17:11

Tgt Ion:202 Resp: 169593
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 32.7
 203 17.6 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

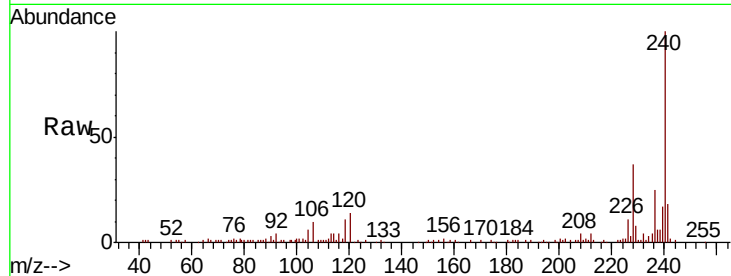




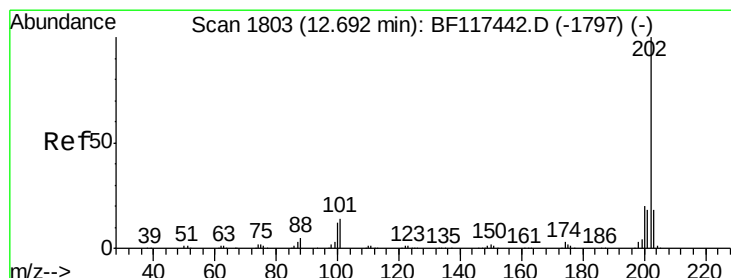
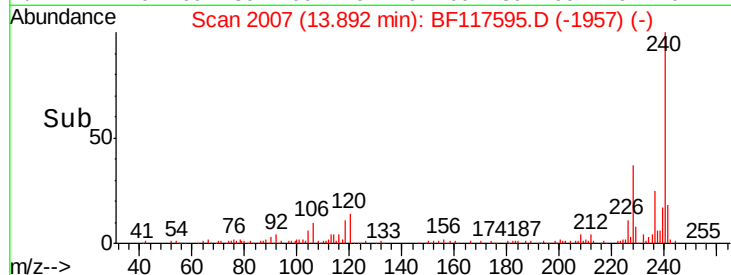
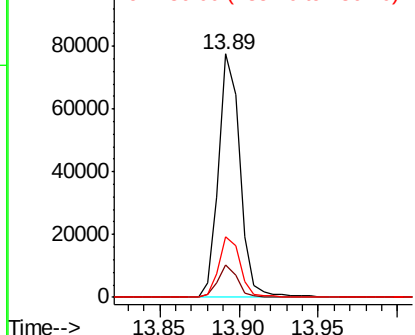
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.89 min Scan# 2007
Delta R.T. -0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 73046
Ion Ratio Lower Upper
240 100
120 13.6 8.4 12.6#
236 24.7 20.0 30.0

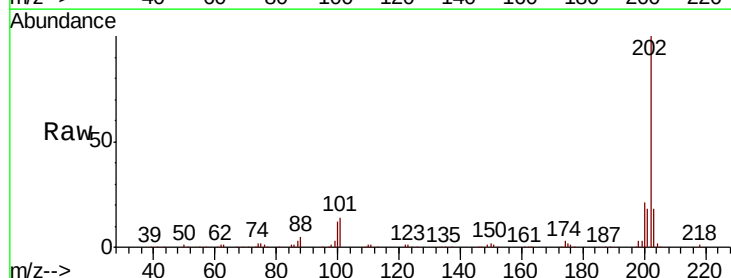


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

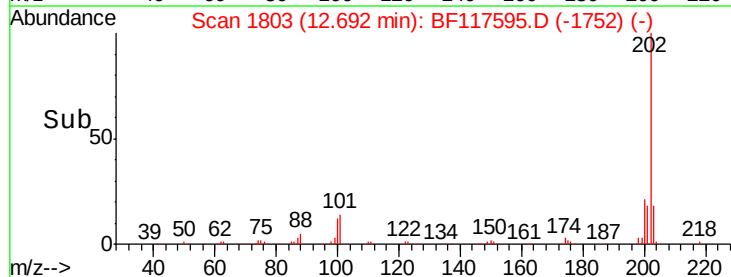
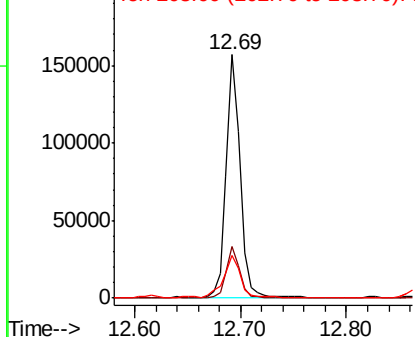


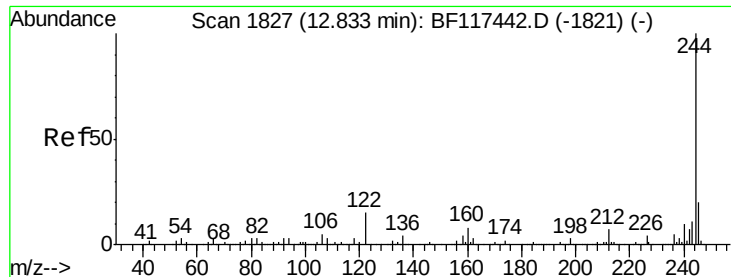
#78
Pyrene
Concen: 23.421 ng
RT: 12.69 min Scan# 1803
Delta R.T. -0.00 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion:202 Resp: 146949
Ion Ratio Lower Upper
202 100
200 21.1 16.2 24.2
203 17.7 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

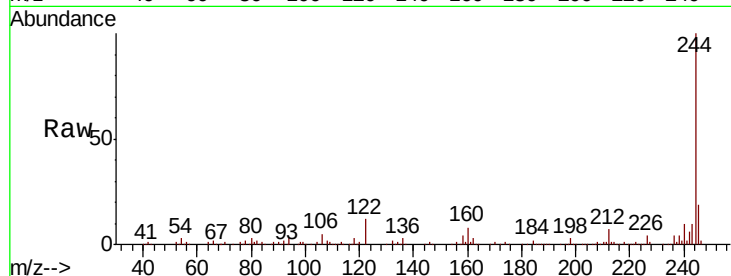




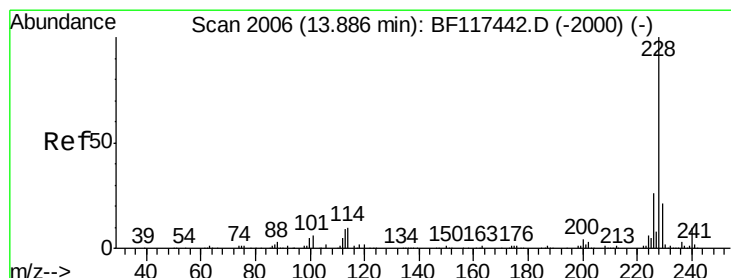
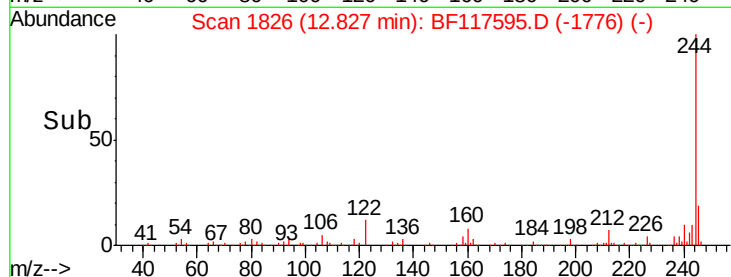
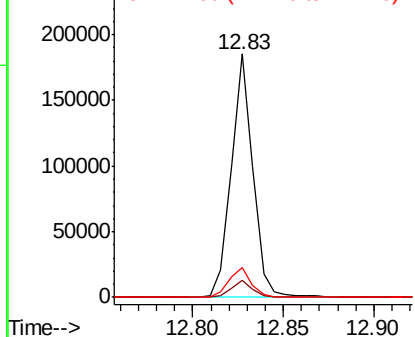
#79
 Terphenyl-d14
 Concen: 34.574 ng
 RT: 12.83 min Scan# 1826
 Delta R.T. -0.01 min
 Lab File: BF117595.D
 Acq: 29 Oct 2019 17:11

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:244 Resp: 154832
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.8 8.6
 122 12.1 11.8 17.8

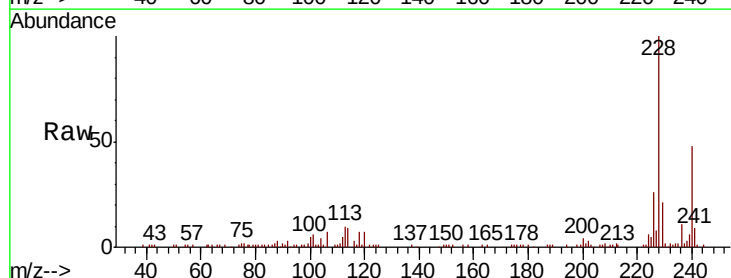


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

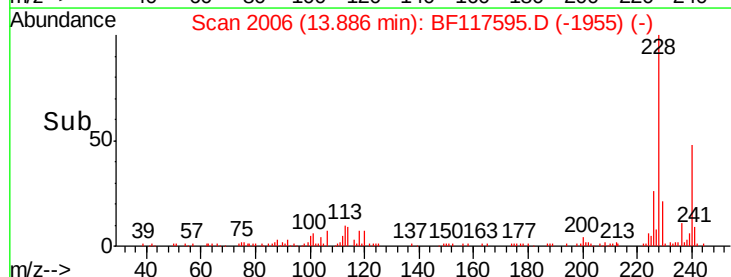
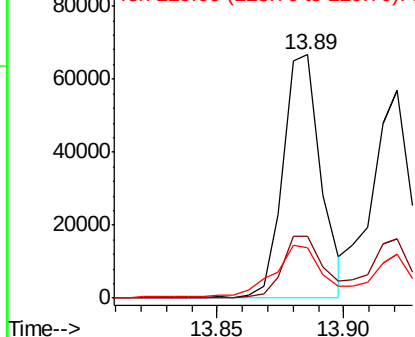


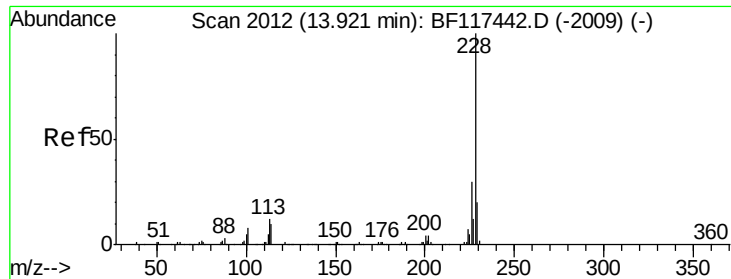
#81
 Benzo(a)anthracene
 Concen: 14.259 ng
 RT: 13.89 min Scan# 2006
 Delta R.T. -0.00 min
 Lab File: BF117595.D
 Acq: 29 Oct 2019 17:11

Tgt Ion:228 Resp: 70258
 Ion Ratio Lower Upper
 228 100
 226 25.6 21.0 31.4
 229 20.7 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

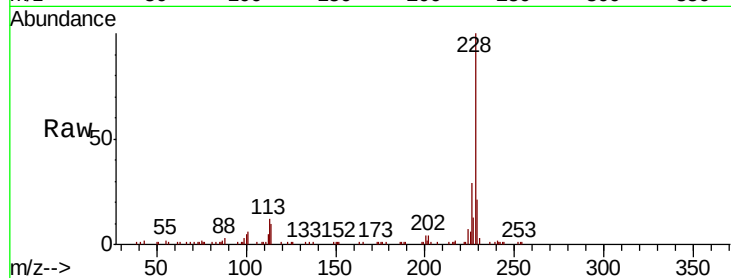




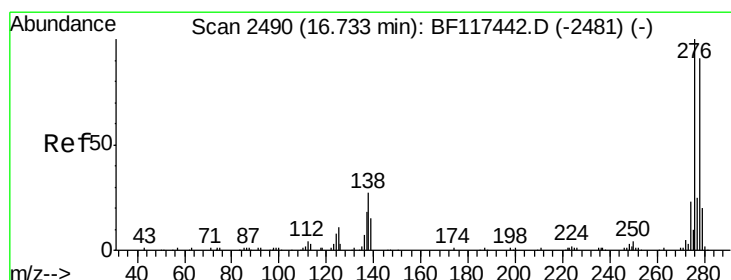
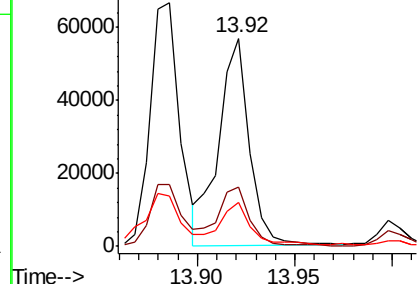
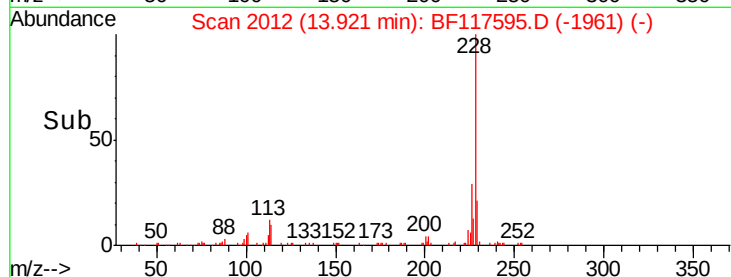
#83
Chrysene
Concen: 12.903 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.00 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 62307
Ion Ratio Lower Upper
228 100
226 28.5 23.9 35.9
229 21.0 15.8 23.6

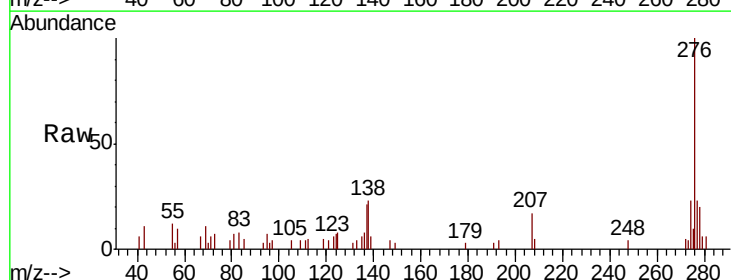


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

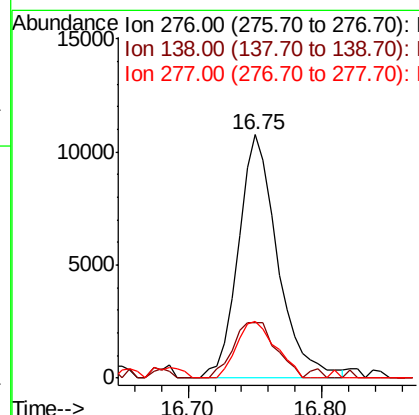
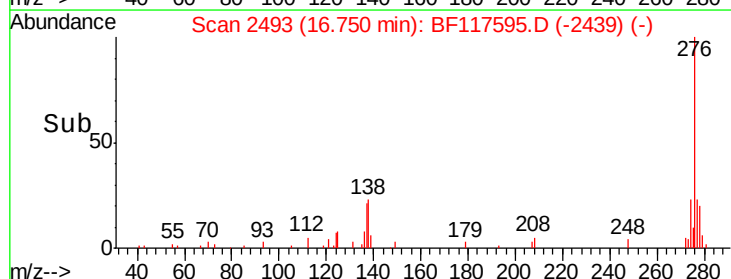


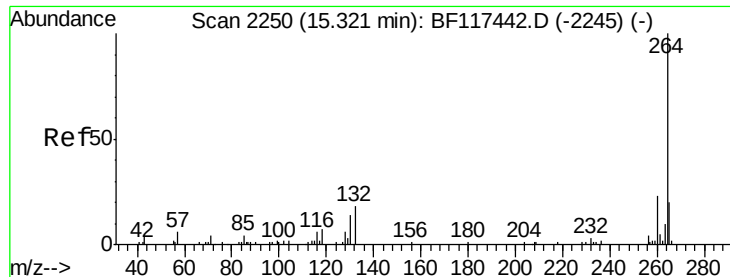
#86
Indeno(1,2,3-cd)pyrene
Concen: 6.091 ng
RT: 16.75 min Scan# 2493
Delta R.T. 0.02 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion:276 Resp: 21960
Ion Ratio Lower Upper
276 100
138 24.9 21.8 32.8
277 23.2 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

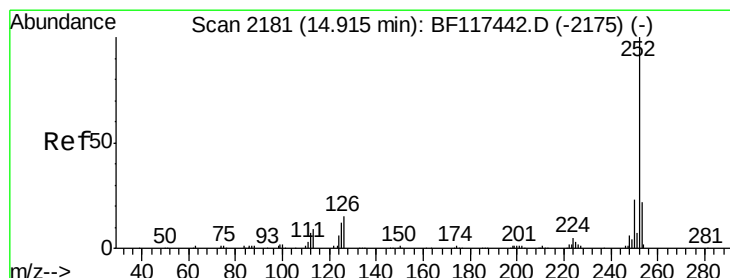
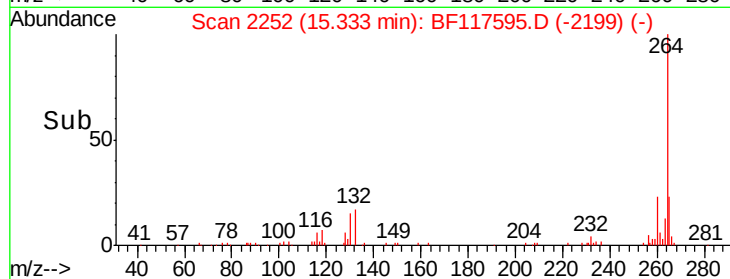
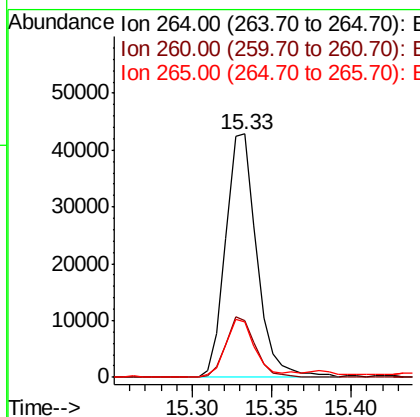
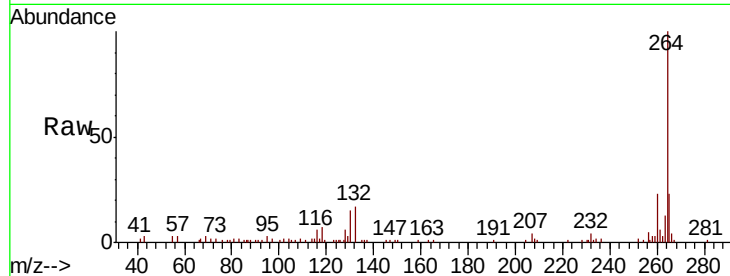




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.33 min Scan# 2252
Delta R.T. 0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

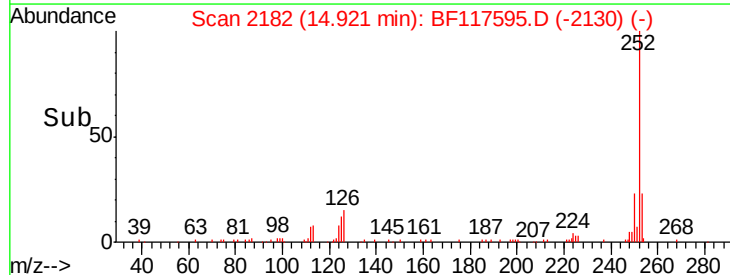
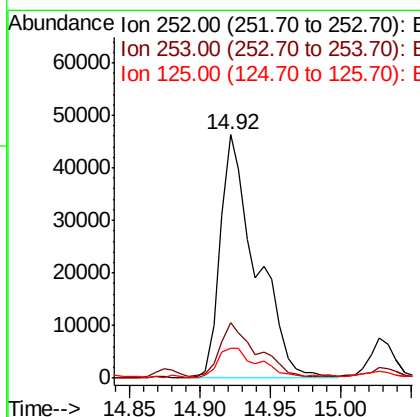
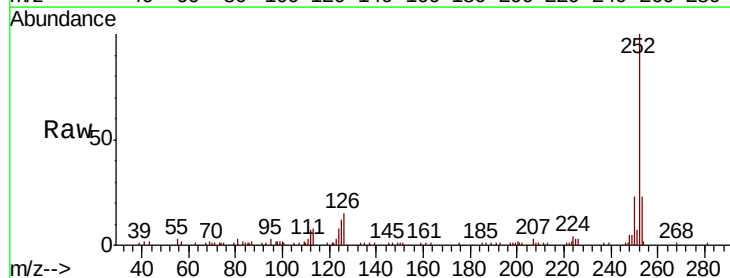
Instrument :
BNA_F
ClientSampleId :

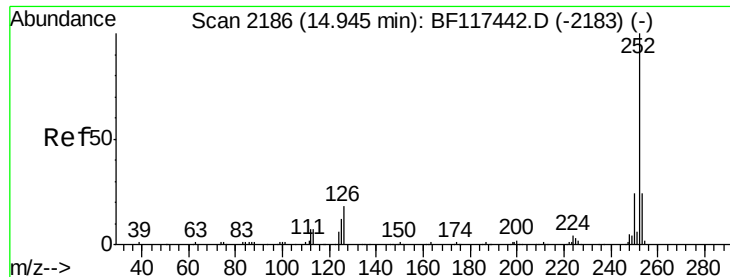
Tot Ion:264 Resp: 58411
Ion Ratio Lower Upper
264 100
260 23.3 18.4 27.6
265 22.5 16.1 24.1



#88
Benzo(b)fluoranthene
Concen: 23.880 ng
RT: 14.92 min Scan# 2182
Delta R.T. 0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion:252 Resp: 82369
Ion Ratio Lower Upper
252 100
253 23.0 17.8 26.6
125 12.5 9.9 14.9

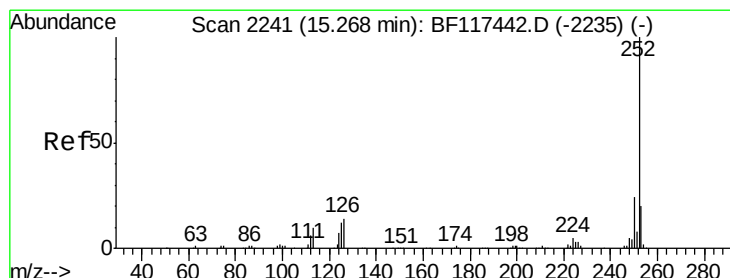
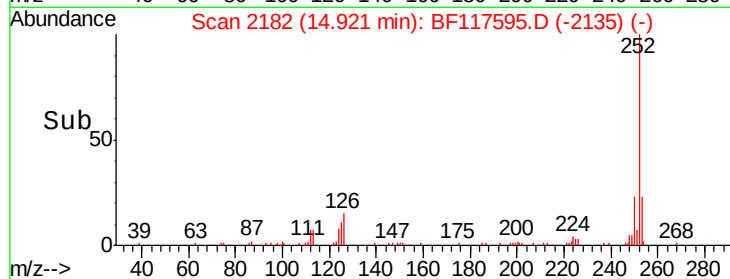
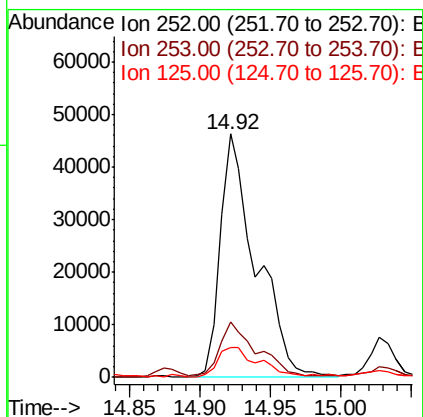
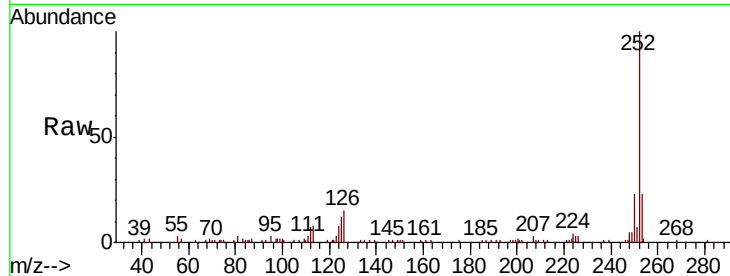




#89
Benzo(k)fluoranthene
Concen: 23.299 ng
RT: 14.92 min Scan# 2182
Delta R.T. -0.02 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

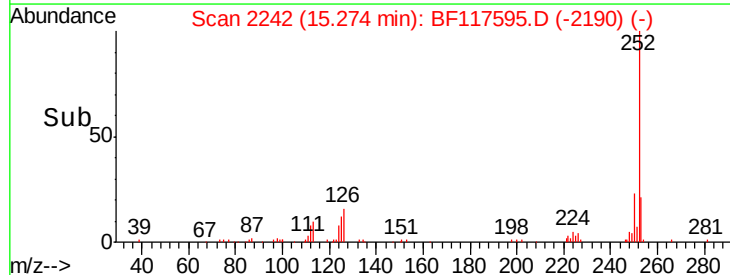
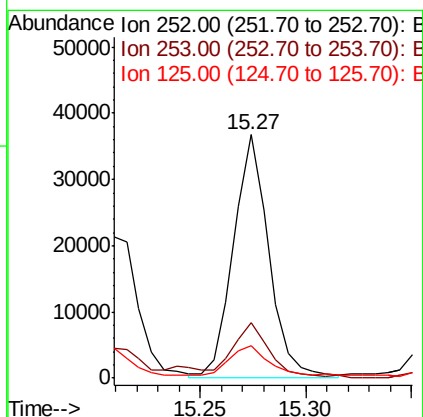
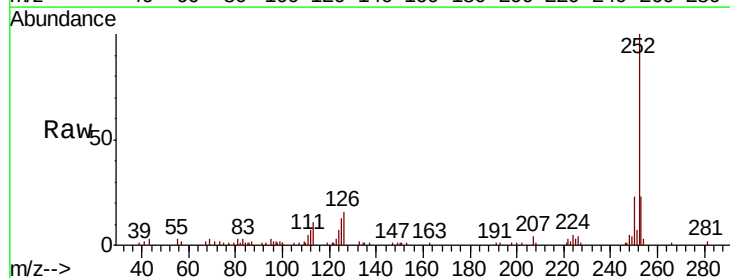
Instrument :
BNA_F
ClientSampleId :

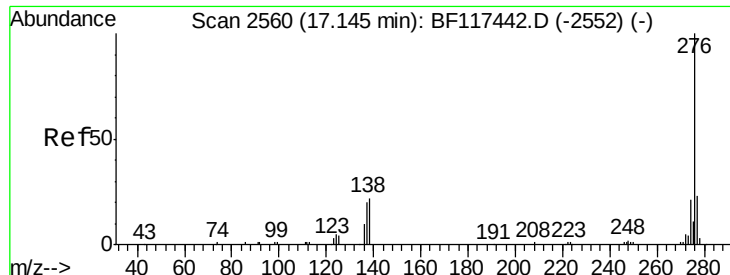
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	18.0	27.0
125	12.5	8.9	13.3



#90
Benzo(a)pyrene
Concen: 13.671 ng
RT: 15.27 min Scan# 2242
Delta R.T. 0.01 min
Lab File: BF117595.D
Acq: 29 Oct 2019 17:11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	16.3	24.5
125	13.1	9.2	13.8





#92

Benzo(a,h,i)perylene

Concen: 7.486 ng

RT: 17.18 min Scan# 2566

Delta R.T. 0.04 min

Lab File: BF117595.D

Acq: 29 Oct 2019 17:11

Instrument :

BNA_F

ClientSampleId :

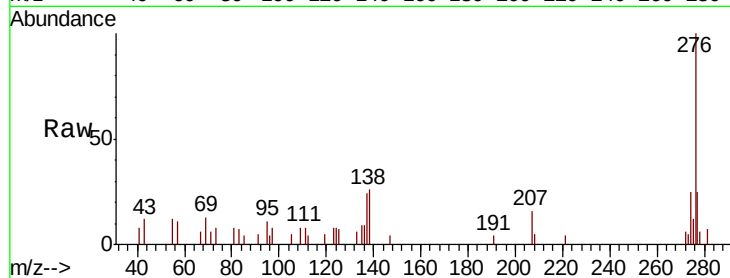
Tot Ion: 276 Resp: 19207

Ion Ratio Lower Upper

276 100

277 25.3 18.4 27.6

138 26.4 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

