

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF091319\
 Data File : BF117041.D
 Acq On : 13 Sep 2019 23:45
 Operator : HP/JU
 Sample : K4837-01RE
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 14 00:20:52 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	70976	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	284594	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	142213	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	207815	20.00	ng	0.00
76) Chrysene-d12	13.96	240	130120	20.00	ng	-0.01
87) Perylene-d12	15.41	264	143366	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	444751	97.83	ng	0.00
7) Phenol-d6	6.46	99	624284	106.26	ng	0.00
23) Nitrobenzene-d5	7.38	82	394814	72.89	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	118738	99.90	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	636741	70.01	ng	0.00
79) Terphenyl-d14	12.91	244	433296	62.24	ng	0.00

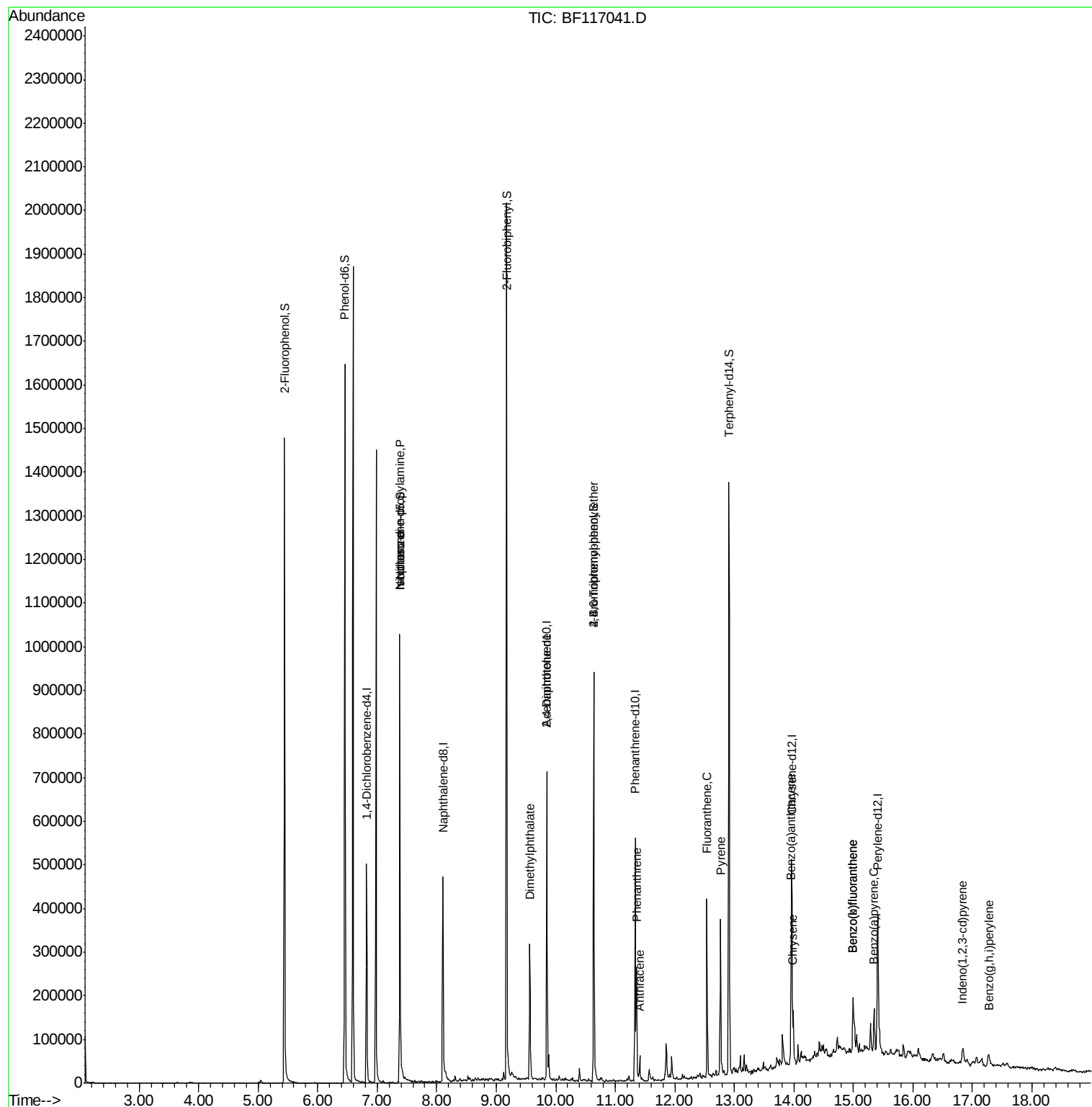
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.46	77	891	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.38	70	53122	14.849	ng	# 82
25) Isophorone	7.38	82	394811	41.168	ng	# 66
50) Dimethylphthalate	9.56	163	122968	12.212	ng	99
57) 2,4-Dinitrotoluene	9.85	165	18201	6.837	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	7712	3.634	ng	# 1
71) Phenanthrene	11.36	178	95185	8.064	ng	99
72) Anthracene	11.41	178	30188	2.505	ng	98
75) Fluoranthene	12.54	202	179080	14.765	ng	99
78) Pyrene	12.77	202	151087	13.838	ng	99
81) Benzo(a)anthracene	13.95	228	58203	6.695	ng	98
83) Chrysene	13.99	228	52787	6.226	ng	97
86) Indeno(1,2,3-cd)pyrene	16.84	276	24077	3.892	ng	95
88) Benzo(b)fluoranthene	14.99	252	87774	10.107	ng	97
89) Benzo(k)fluoranthene	14.99	252	87774	10.670	ng	97
90) Benzo(a)pyrene	15.34	252	47819	6.275	ng	# 93
92) Benzo(a,h,i)perylene	17.27	276	23825	3.938	ng	96

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

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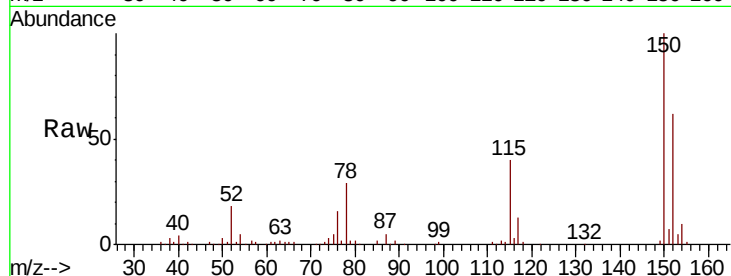


#1

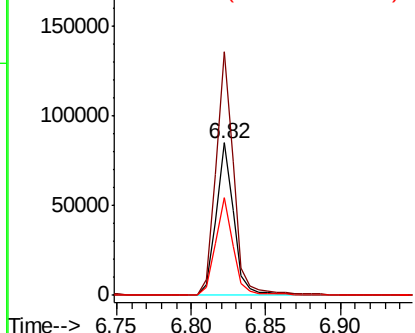
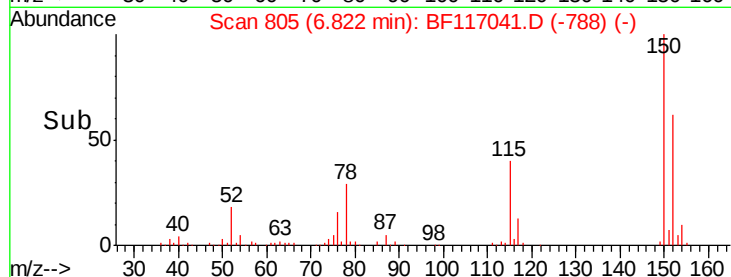
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 805
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 70976
Ion Ratio Lower Upper
152 100
150 160.0 127.5 191.3
115 64.5 55.0 82.4



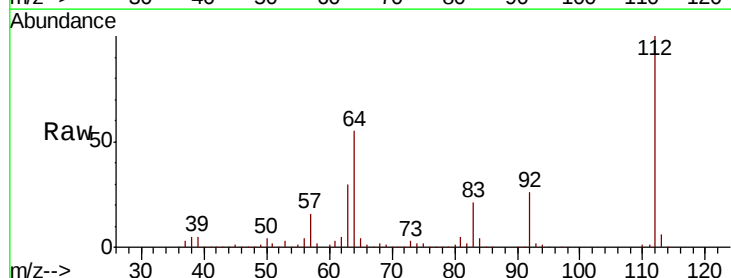
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



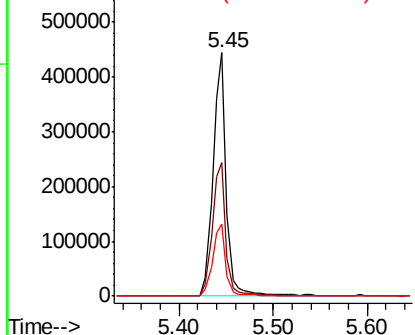
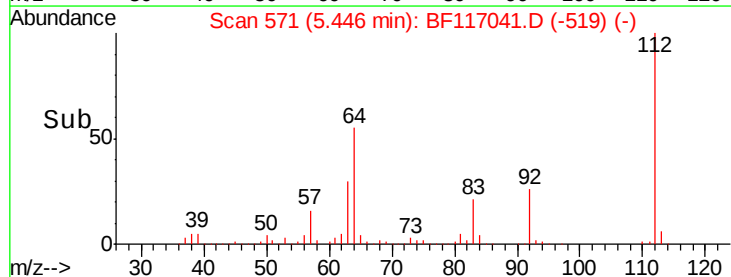
#5

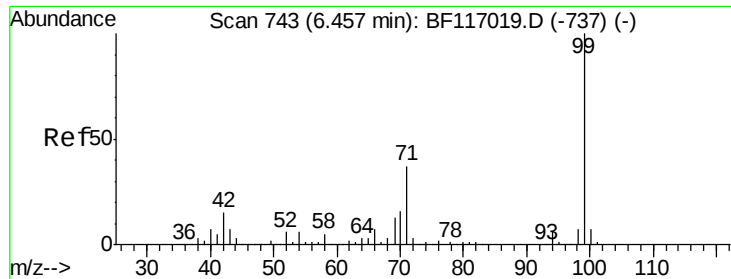
2-Fluorophenol
Concen: 97.831 ng
RT: 5.45 min Scan# 571
Delta R.T. 0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:112 Resp: 444751
Ion Ratio Lower Upper
112 100
64 54.9 45.7 68.5
63 29.8 24.9 37.3



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: 106.257 ng

RT: 6.46 min Scan# 743

Delta R.T. 0.00 min

Lab File: BF117041.D

Acq: 13 Sep 2019 23:45

Instrument :

BNA_F

ClientSampleId :

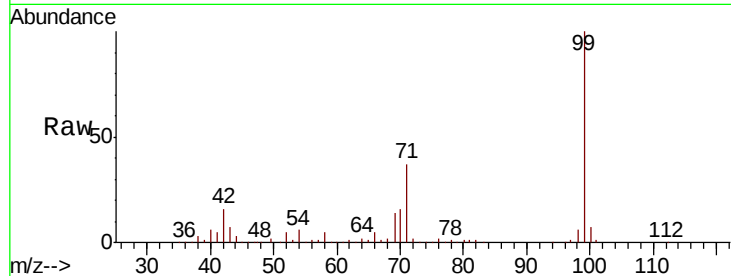
Tot Ion: 99 Resp: 624284

Ion Ratio Lower Upper

99 100

42 15.5 12.2 18.2

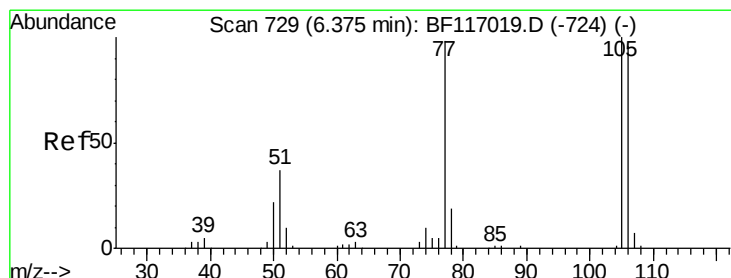
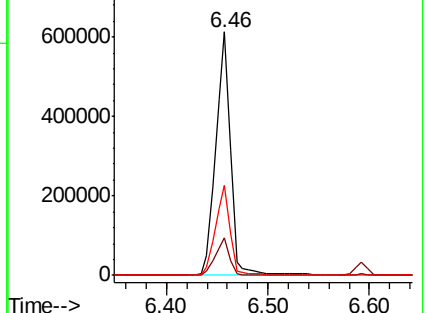
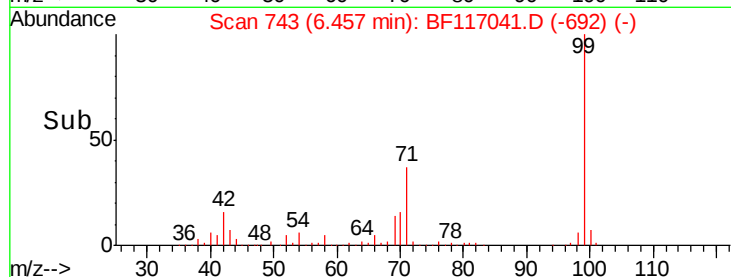
71 37.2 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.46 min Scan# 743

Delta R.T. 0.08 min

Lab File: BF117041.D

Acq: 13 Sep 2019 23:45

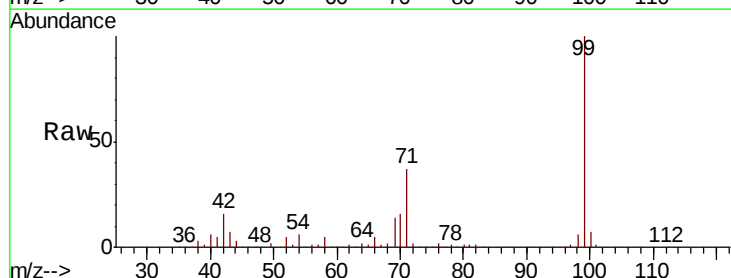
Tgt Ion: 77 Resp: 891

Ion Ratio Lower Upper

77 100

105 0.0 81.8 121.8#

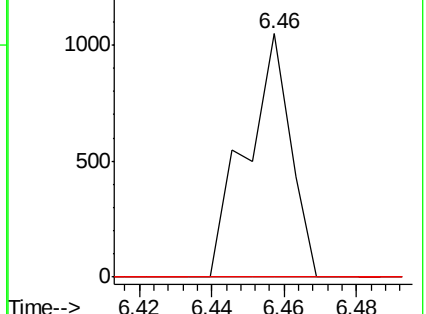
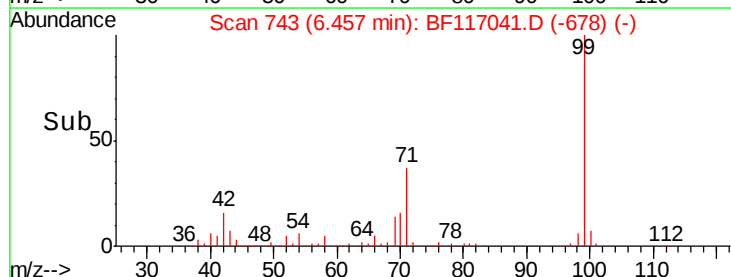
106 0.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E

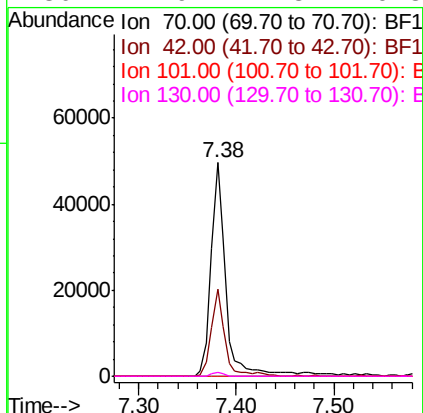
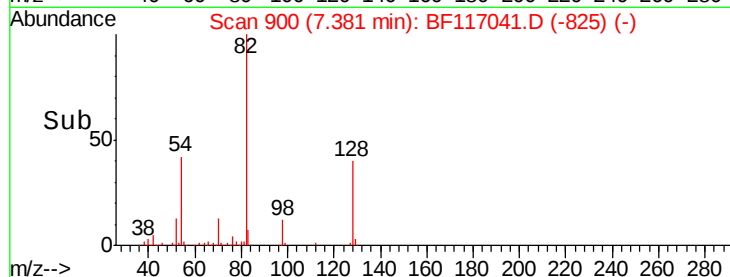
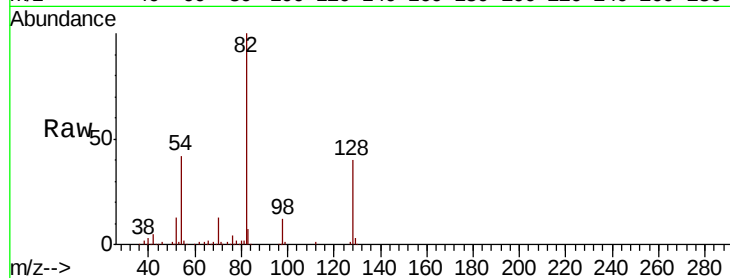




#19
n-Nitroso-di-n-propylamine
Concen: 14.849 ng
RT: 7.38 min Scan# 900
Delta R.T. 0.14 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

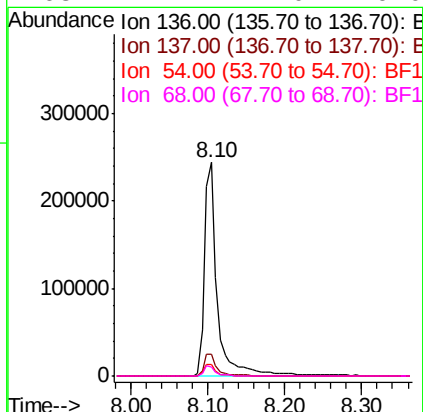
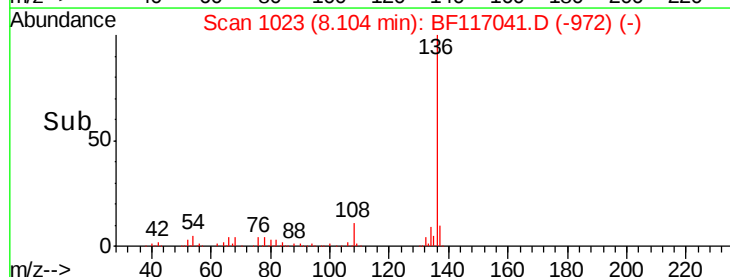
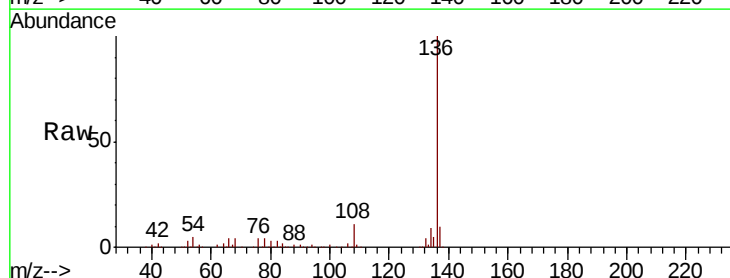
Instrument :
BNA_F
ClientSampleId :

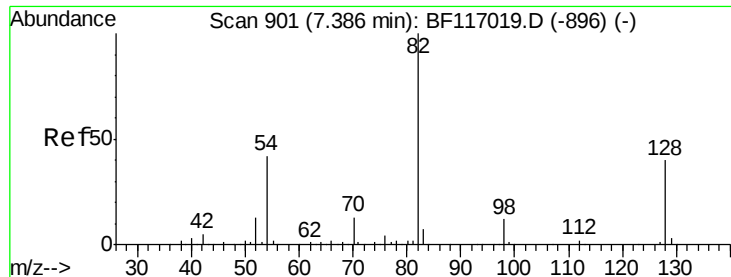
Tot Ion: 70 Resp: 53122
Ion Ratio Lower Upper
70 100
42 40.8 34.0 51.0
101 0.0 7.8 11.6#
130 1.9 17.8 26.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1023
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion: 136 Resp: 284594
Ion Ratio Lower Upper
136 100
137 10.5 9.0 13.4
54 5.2 4.5 6.7
68 4.1 4.0 6.0

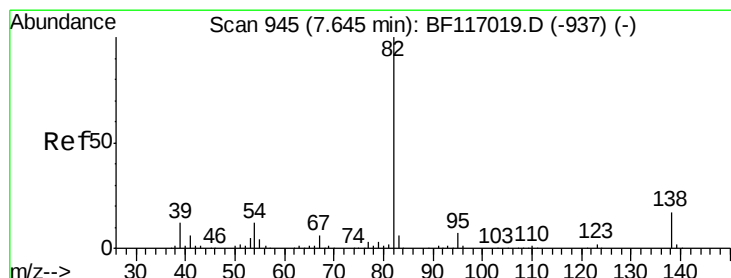
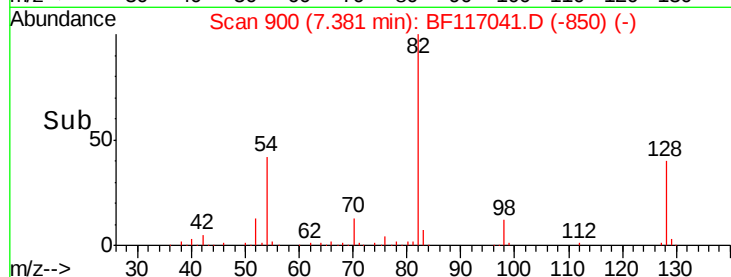
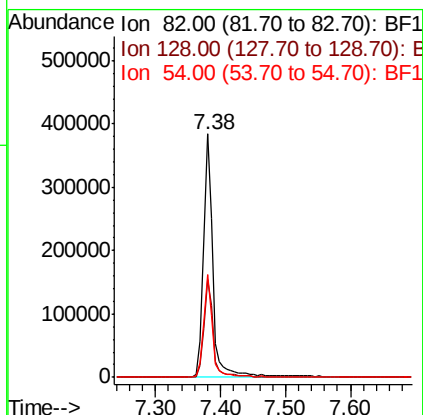
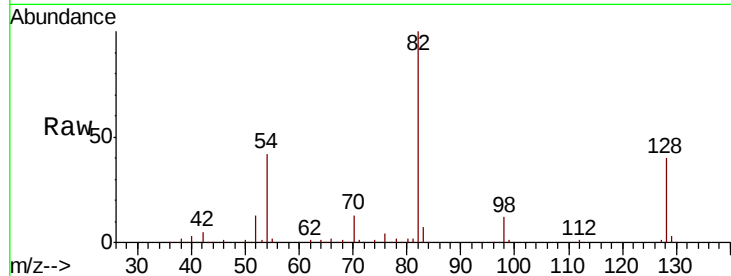




#23
 Nitrobenzene-d5
 Concen: 72.892 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: BF117041.D
 Acq: 13 Sep 2019 23:45

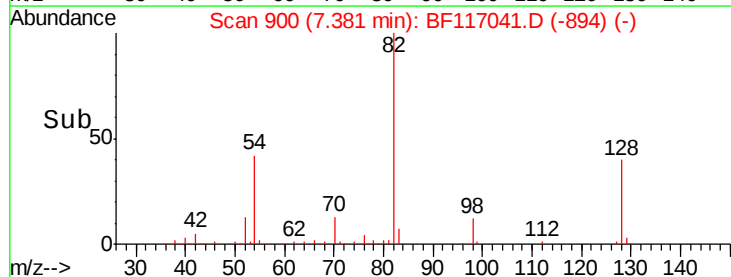
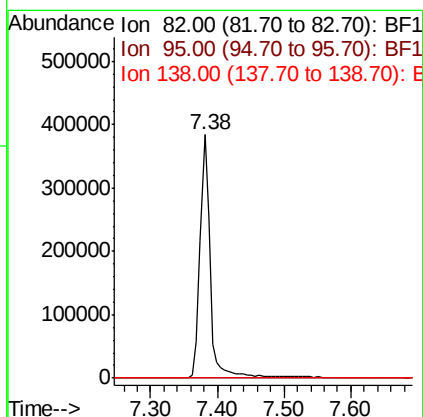
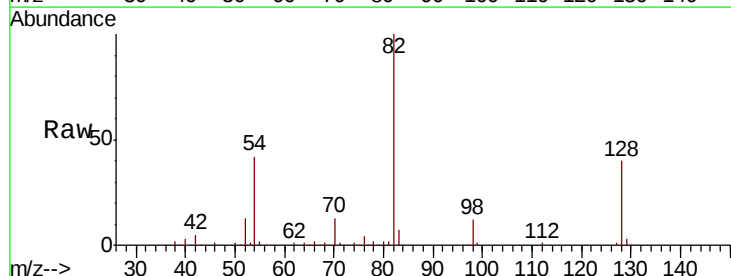
Instrument :
 BNA_F
 ClientSampled :

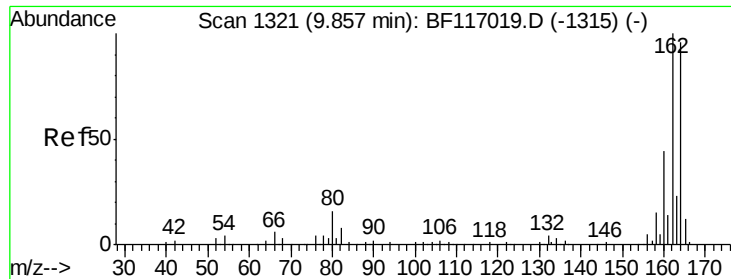
Tot Ion	82	Resp	394814
Ion Ratio	100	Lower	Upper
128	40.0	32.3	48.5
54	42.1	33.3	49.9



#25
 Isophorone
 Concen: 41.168 ng
 RT: 7.38 min Scan# 900
 Delta R.T. -0.26 min
 Lab File: BF117041.D
 Acq: 13 Sep 2019 23:45

Tgt Ion	82	Resp	394811
Ion Ratio	100	Lower	Upper
95	0.0	5.8	8.6#
138	0.0	13.5	20.3#

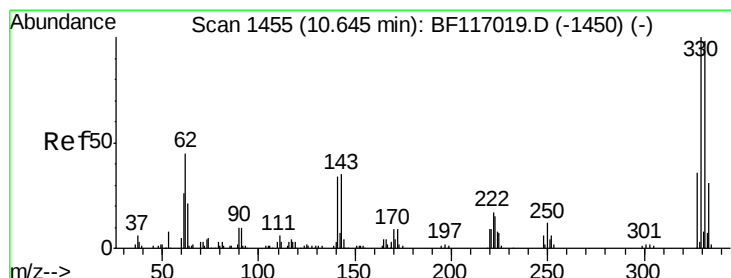
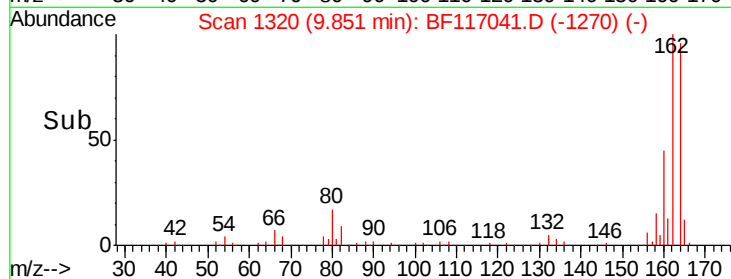
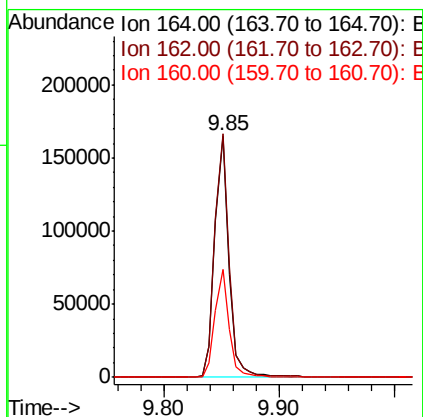
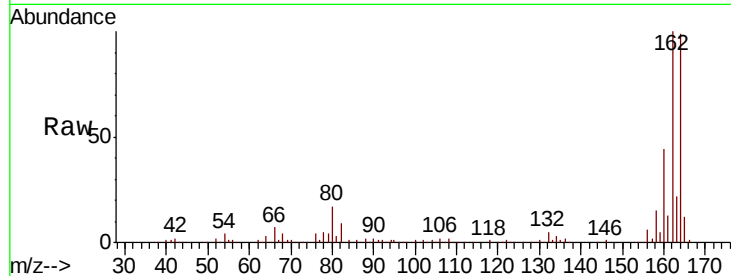




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

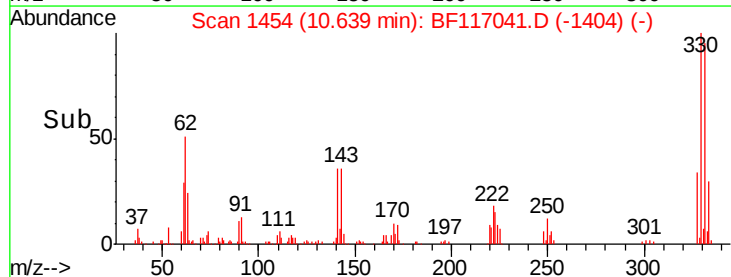
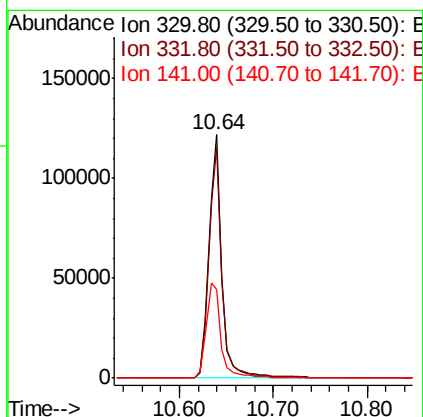
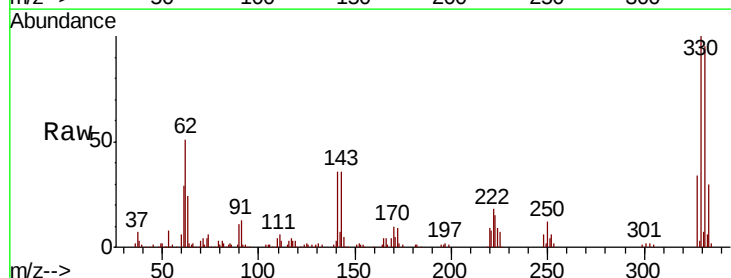
Instrument :
BNA_F
ClientSampleId :

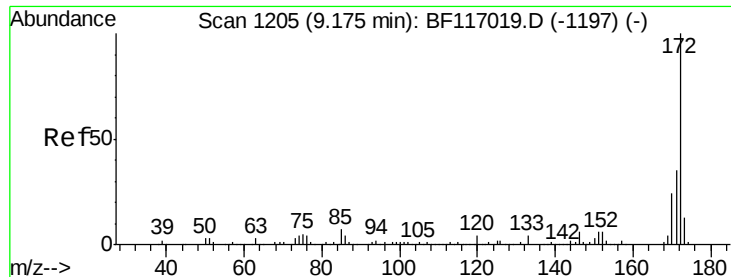
Tot Ion:164 Resp: 142213
Ion Ratio Lower Upper
164 100
162 100.7 83.4 125.2
160 44.6 36.4 54.6



#42
2,4,6-Tribromophenol
Concen: 99.899 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:330 Resp: 118738
Ion Ratio Lower Upper
330 100
332 95.4 78.0 117.0
141 43.9 35.8 53.6

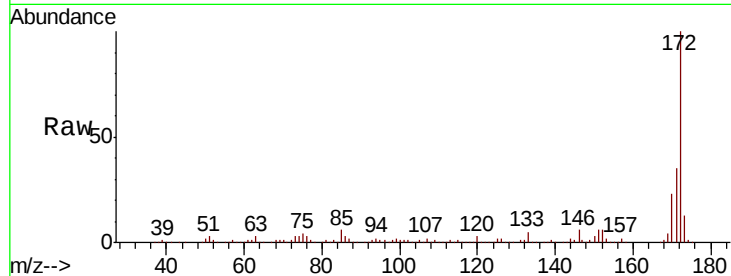




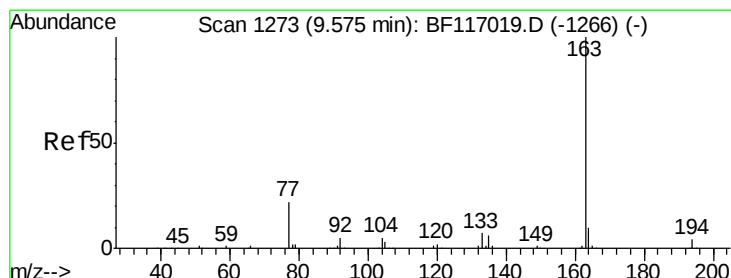
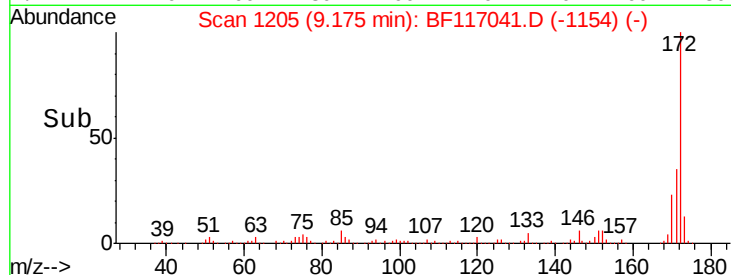
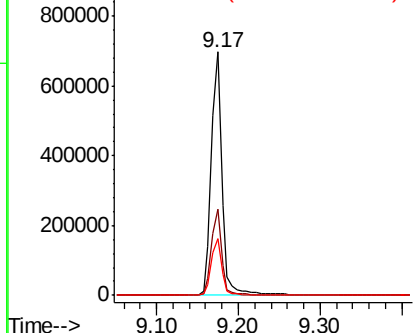
#45
2-Fluorobiphenyl
Concen: 70.007 ng
RT: 9.17 min Scan# 1205
Delta R.T. 0.00 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 636741
Ion Ratio Lower Upper
172 100
171 35.1 28.2 42.2
170 23.2 18.9 28.3

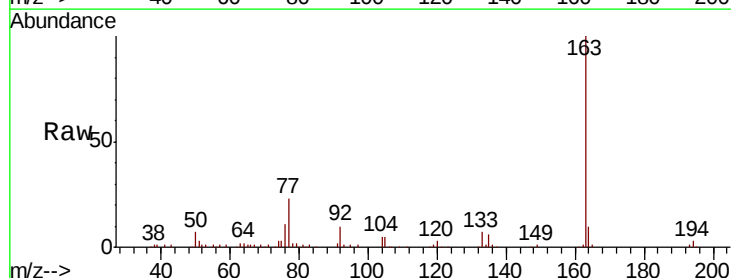


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

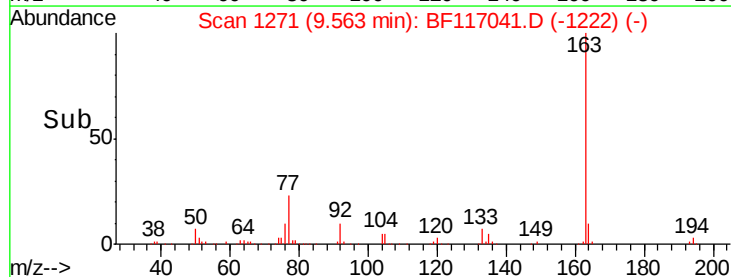
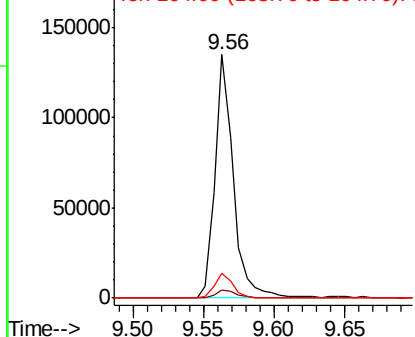


#50
Dimethylphthalate
Concen: 12.212 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:163 Resp: 122968
Ion Ratio Lower Upper
163 100
194 3.2 2.9 4.3
164 10.2 8.2 12.4



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

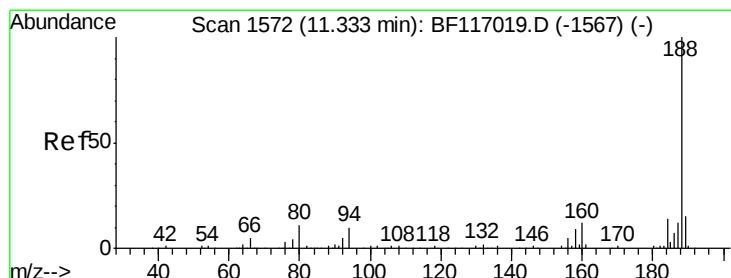
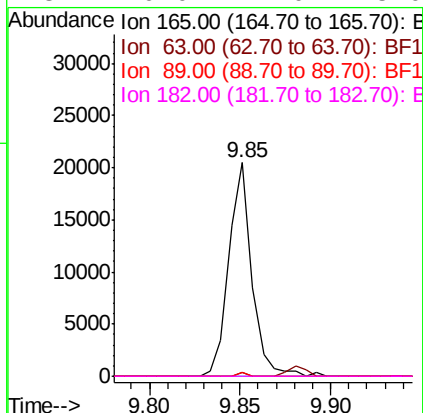
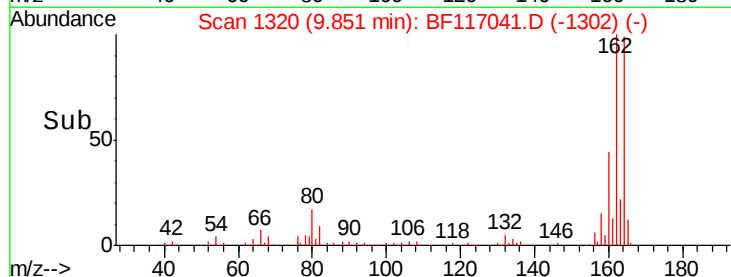
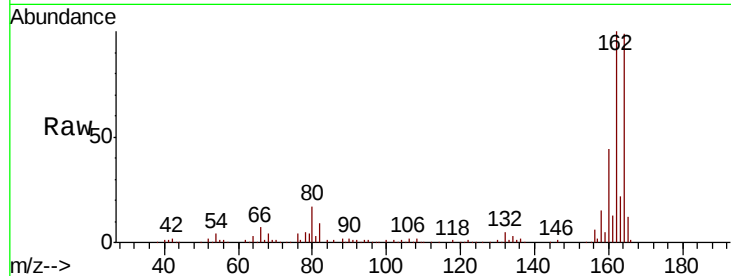




#57
 2,4-Dinitrotoluene
 Concen: 6.837 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF117041.D
 Acq: 13 Sep 2019 23:45

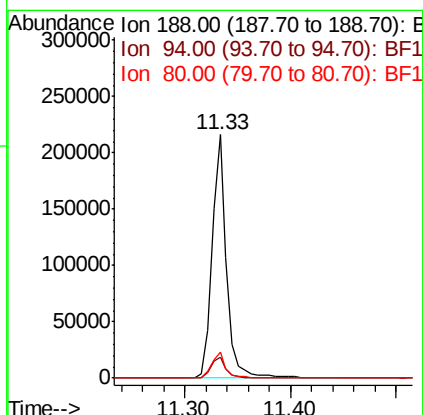
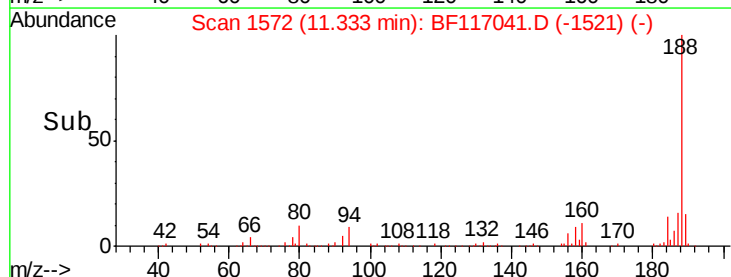
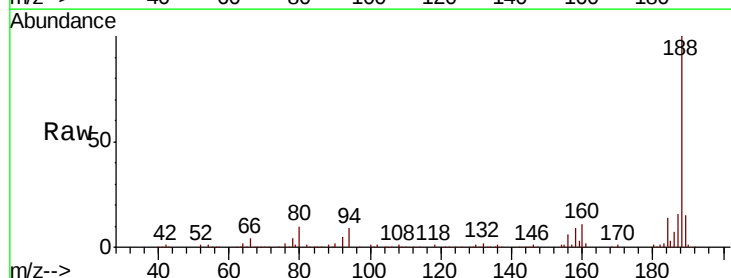
Instrument :
 BNA_F
 ClientSampleId :

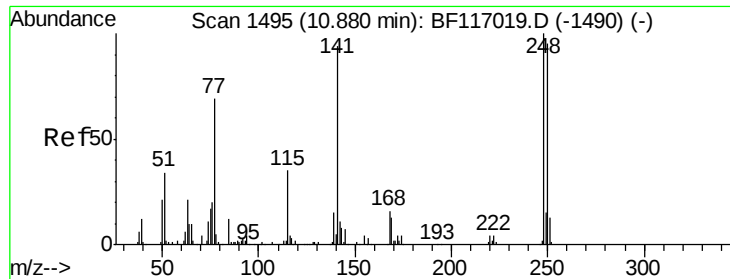
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.7	35.0	52.4#
89	1.9	66.1	99.1#
182	0.0	2.0	3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117041.D
 Acq: 13 Sep 2019 23:45

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.8	8.2	12.2
80	10.5	9.0	13.6

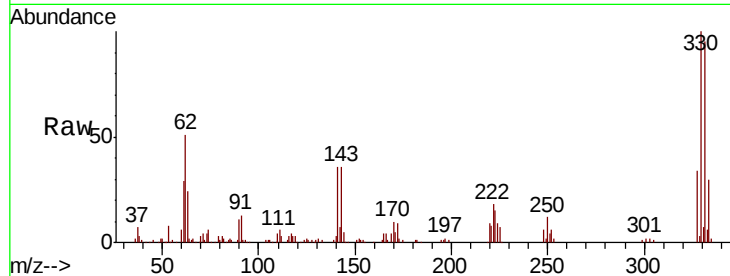




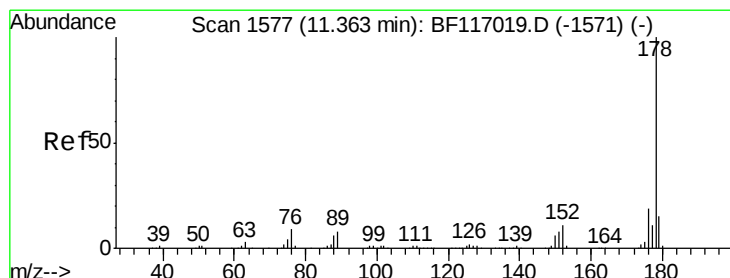
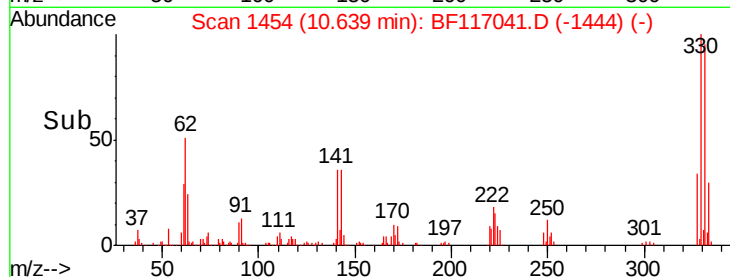
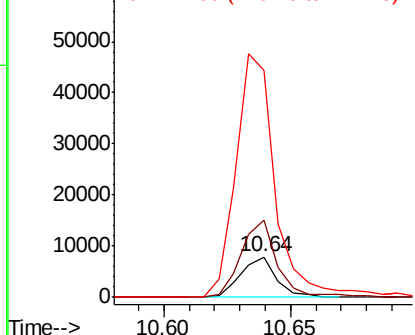
#67
4-Bromophenyl-phenylether
Concen: 3.634 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.24 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 7712
Ion Ratio Lower Upper
248 100
250 189.3 76.2 114.4#
141 560.0 75.0 112.4#

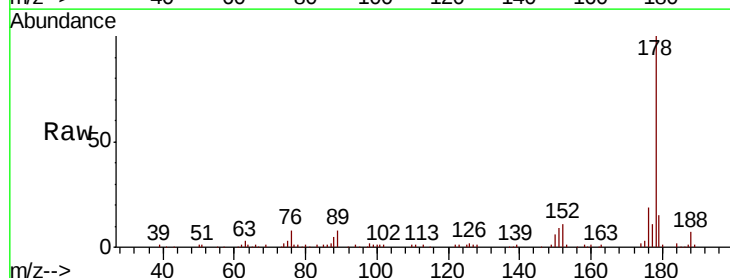


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

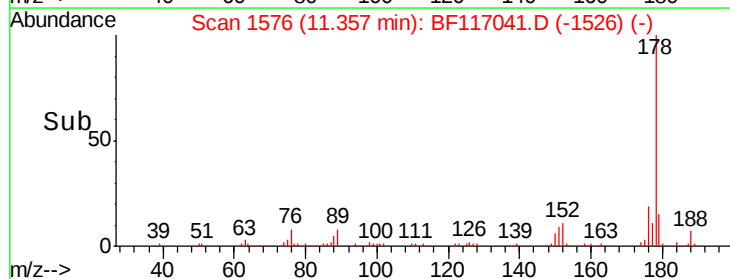
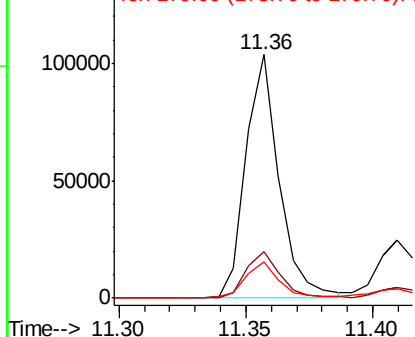


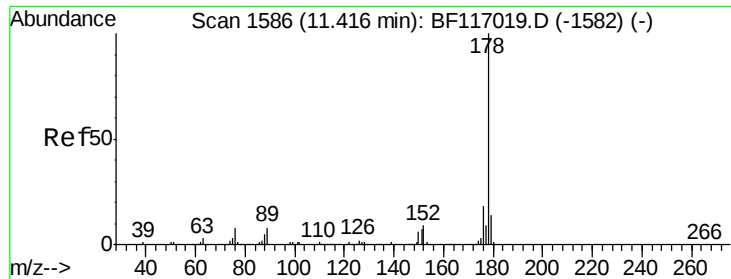
#71
Phenanthrene
Concen: 8.064 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:178 Resp: 95185
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.2
179 15.0 12.4 18.6



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

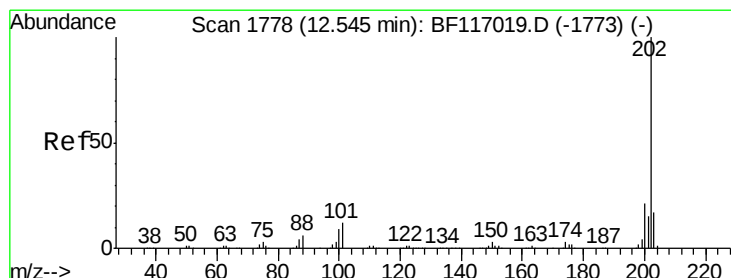
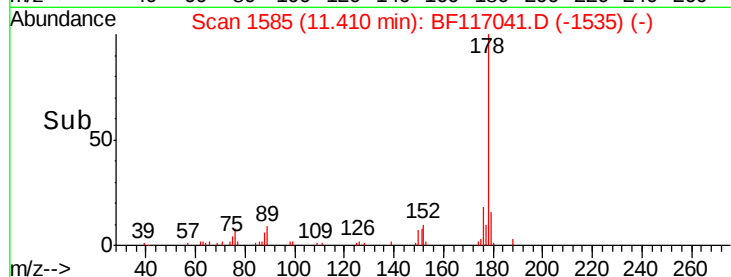
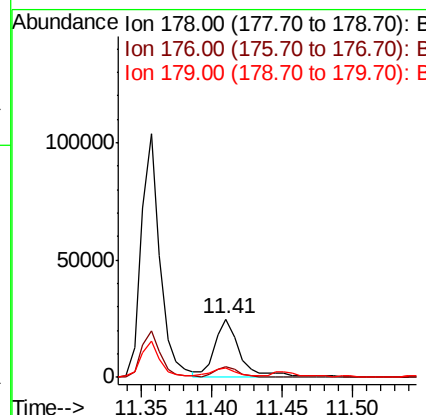
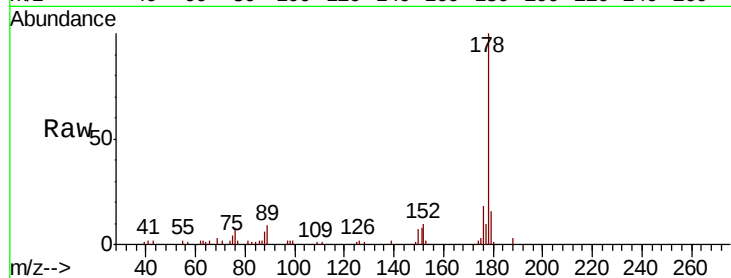




#72
 Anthracene
 Concen: 2.505 ng
 RT: 11.41 min Scan# 1585
 Delta R.T. -0.01 min
 Lab File: BF117041.D
 Acq: 13 Sep 2019 23:45

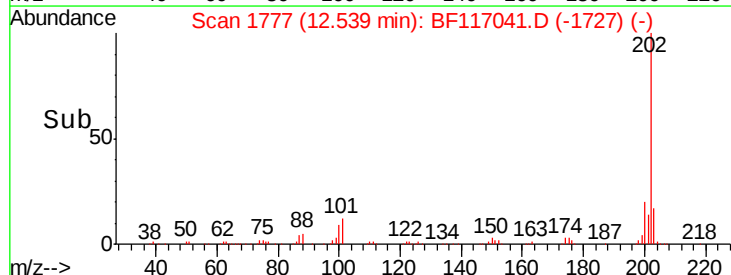
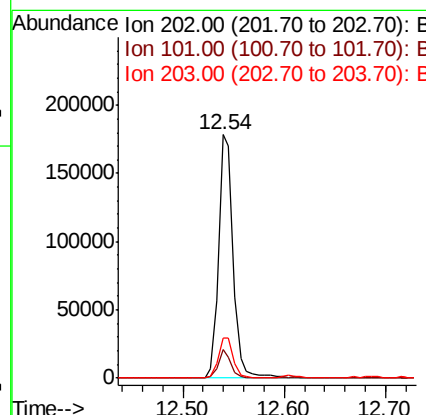
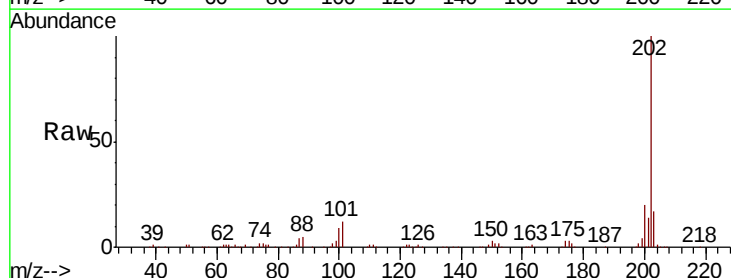
Instrument :
 BNA_F
 ClientSampled :

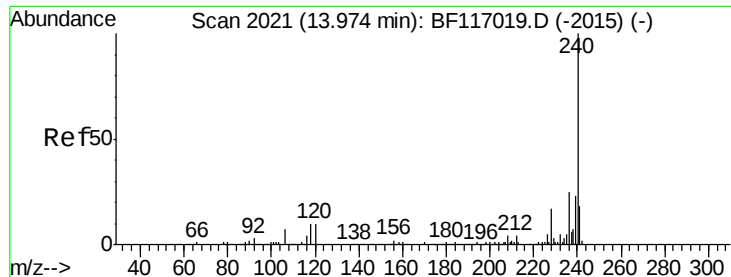
Tot Ion:178 Resp: 30188
 Ion Ratio Lower Upper
 178 100
 176 17.8 14.6 21.8
 179 16.3 11.6 17.4



#75
 Fluoranthene
 Concen: 14.765 ng
 RT: 12.54 min Scan# 1777
 Delta R.T. -0.01 min
 Lab File: BF117041.D
 Acq: 13 Sep 2019 23:45

Tgt Ion:202 Resp: 179080
 Ion Ratio Lower Upper
 202 100
 101 11.9 0.0 32.3
 203 16.6 0.0 37.1

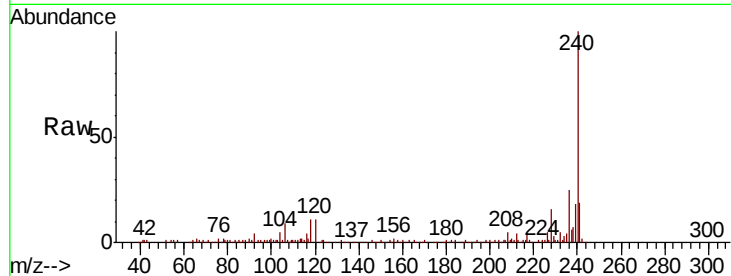




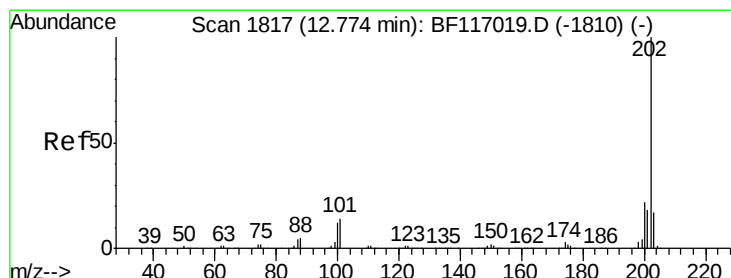
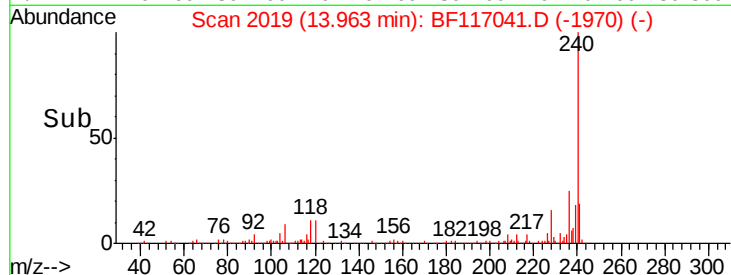
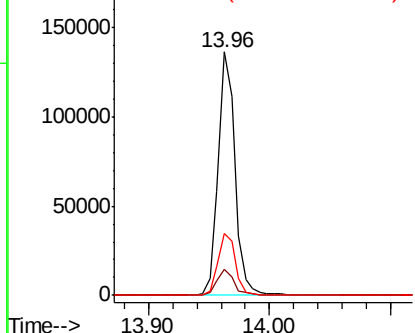
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.3	12.5
236	25.2	20.3	30.5

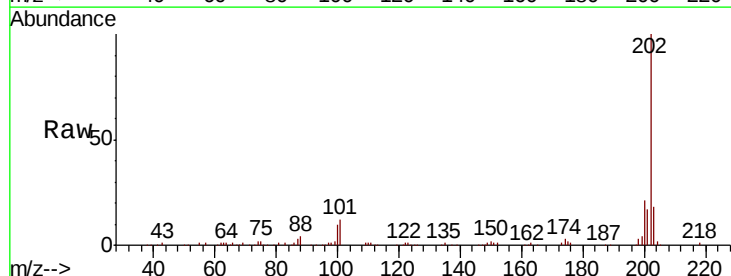


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

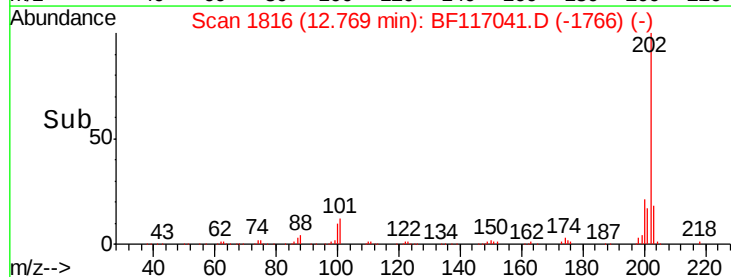
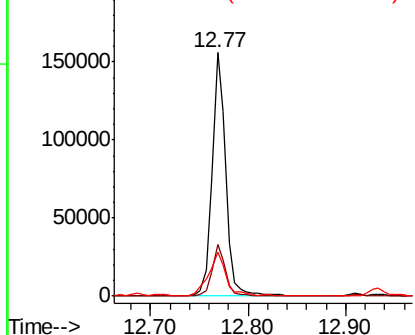


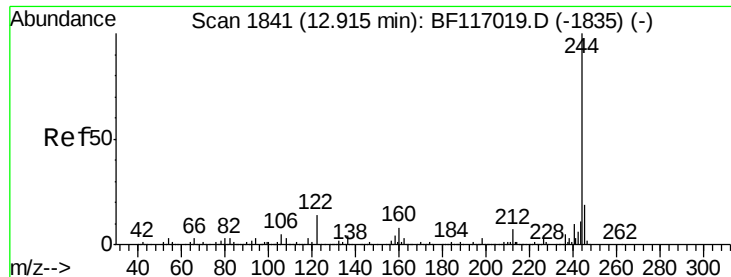
#78
Pyrene
Concen: 13.838 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.2	25.8
203	18.0	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: 62.245 ng

RT: 12.91 min Scan# 1840

Delta R.T. -0.01 min

Lab File: BF117041.D

Acq: 13 Sep 2019 23:45

Instrument :

BNA_F

ClientSampleId :

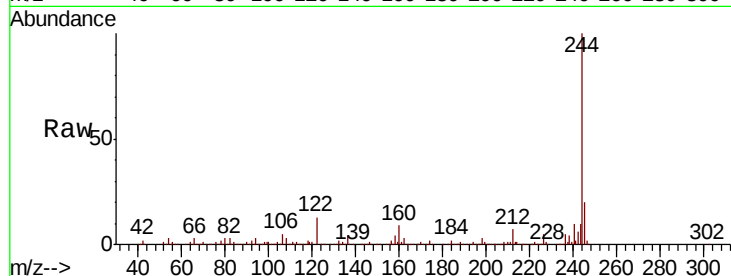
Tot Ion:244 Resp: 433296

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

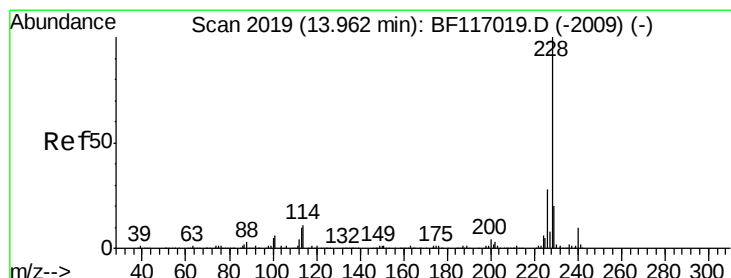
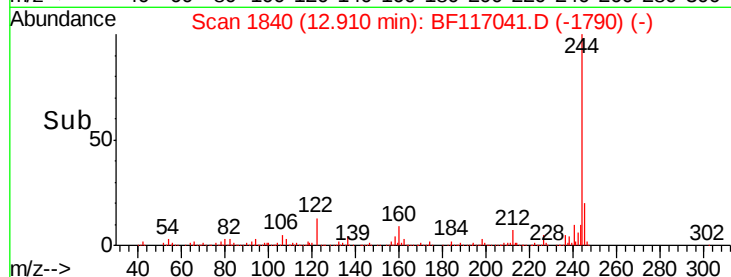
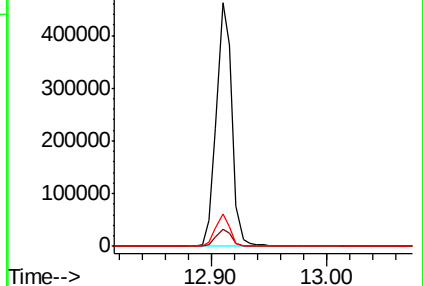
122 13.4 11.3 16.9



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: 6.695 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF117041.D

Acq: 13 Sep 2019 23:45

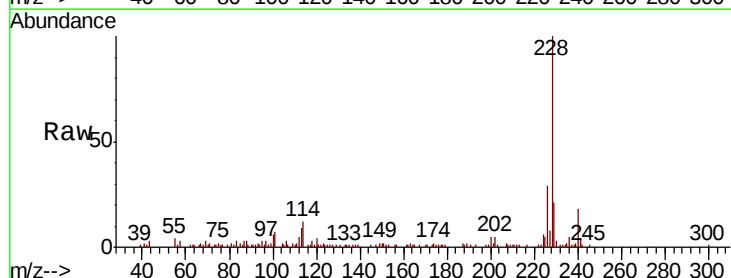
Tgt Ion:228 Resp: 58203

Ion Ratio Lower Upper

228 100

226 29.0 22.3 33.5

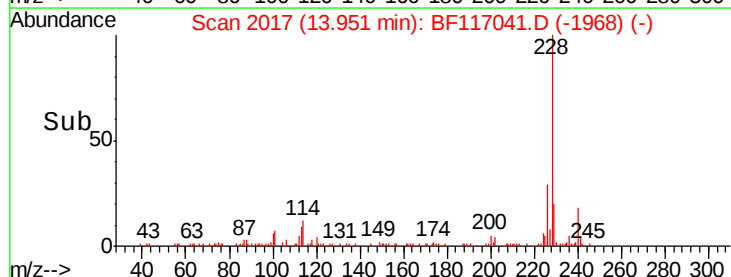
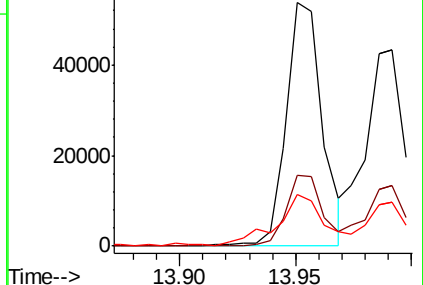
229 20.9 15.9 23.9

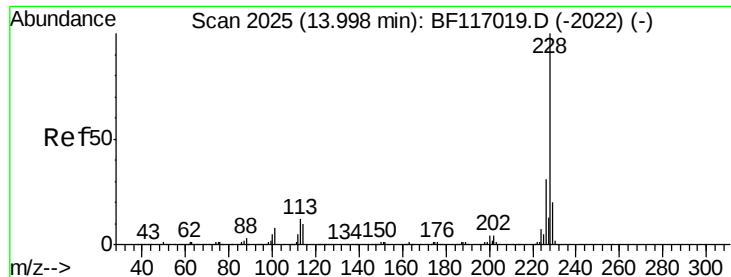


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

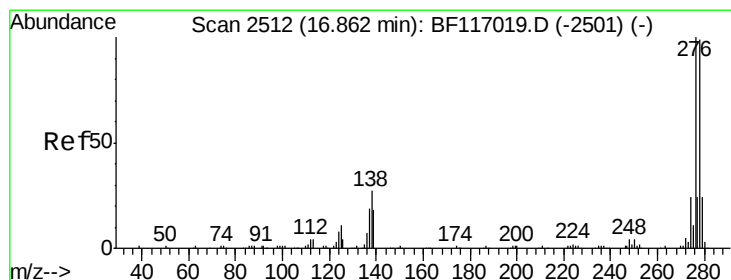
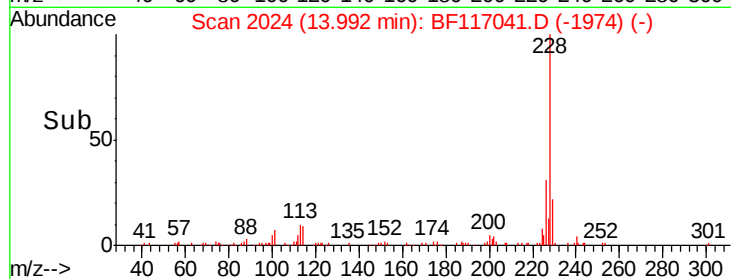
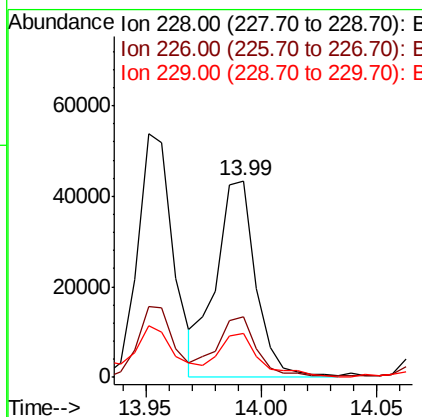
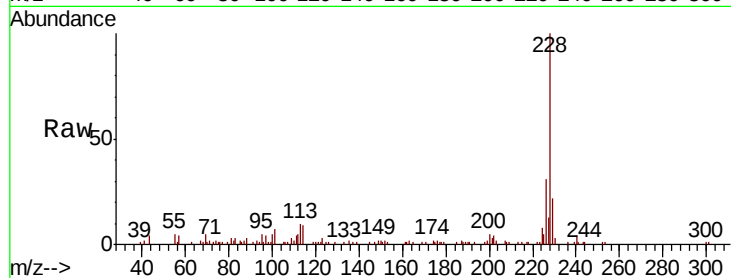




#83
Chrysene
Concen: 6.226 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

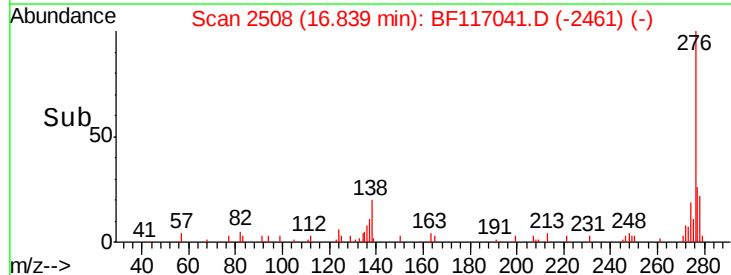
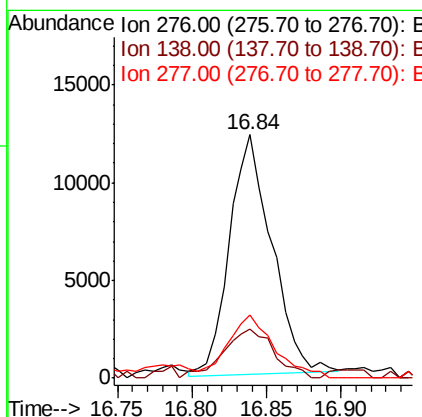
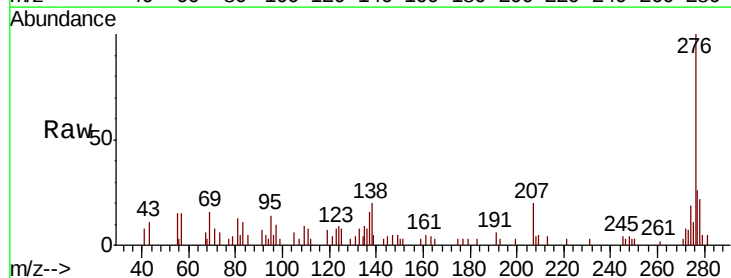
Instrument :
BNA_F
ClientSampleId :

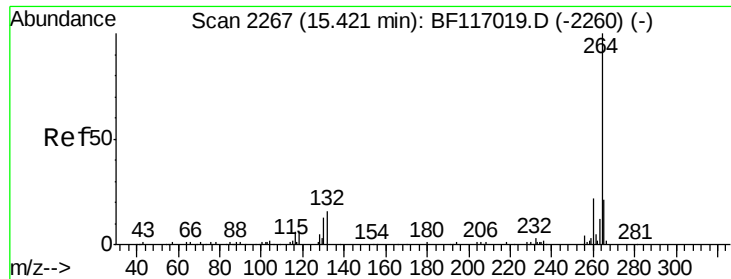
Tot Ion:228 Resp: 52787
Ion Ratio Lower Upper
228 100
226 30.5 24.8 37.2
229 22.4 15.8 23.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.892 ng
RT: 16.84 min Scan# 2508
Delta R.T. -0.02 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:276 Resp: 24077
Ion Ratio Lower Upper
276 100
138 24.8 20.7 31.1
277 29.1 19.8 29.8





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.01 min

Lab File: BF117041.D

Acq: 13 Sep 2019 23:45

Instrument :

BNA_F

ClientSampleId :

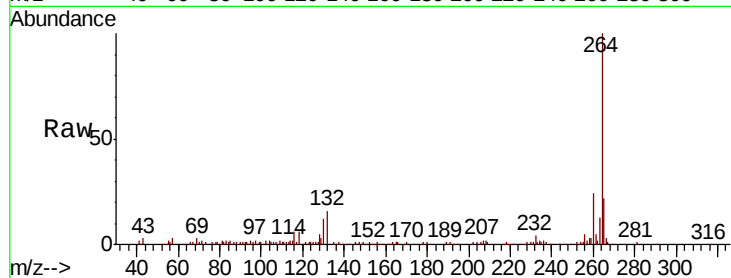
Tot Ion:264 Resp: 143366

Ion Ratio Lower Upper

264 100

260 24.4 17.6 26.4

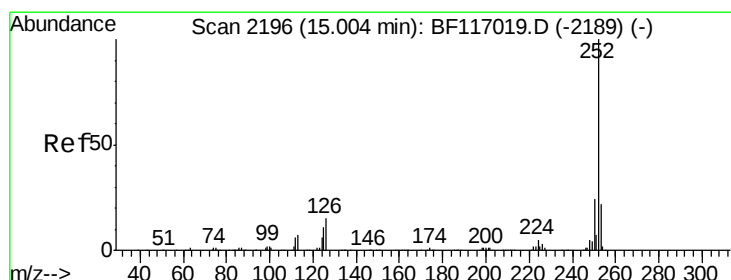
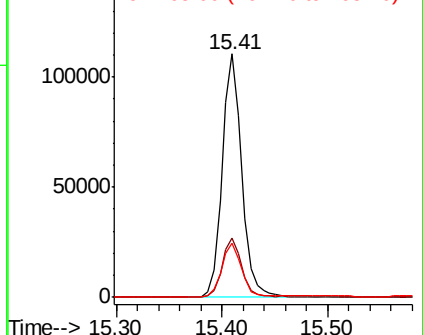
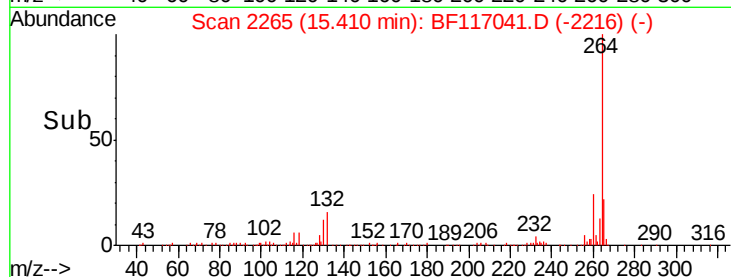
265 22.5 16.6 24.8



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: 10.107 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.01 min

Lab File: BF117041.D

Acq: 13 Sep 2019 23:45

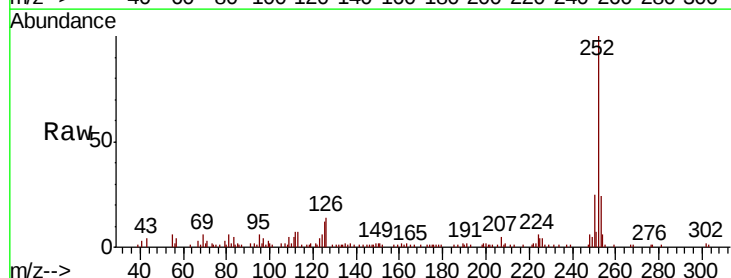
Tgt Ion:252 Resp: 87774

Ion Ratio Lower Upper

252 100

253 23.7 17.6 26.4

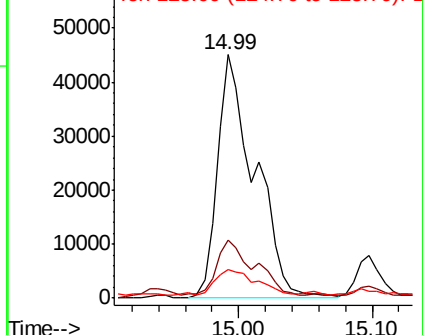
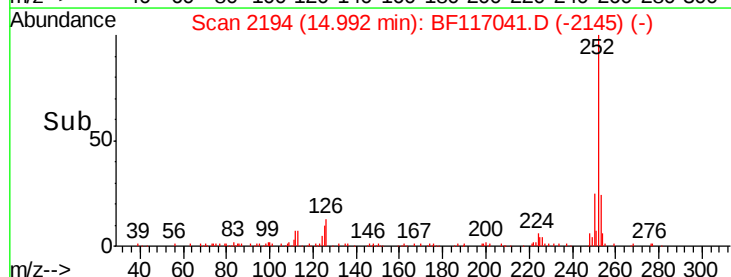
125 11.5 8.6 12.8

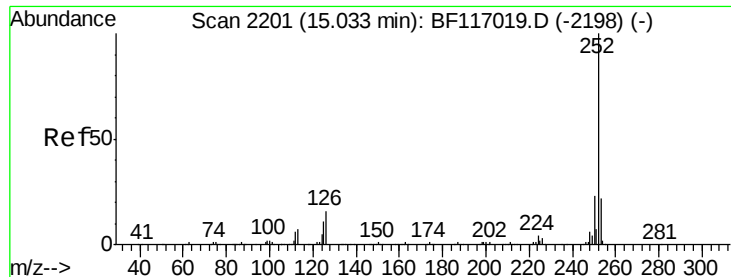


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

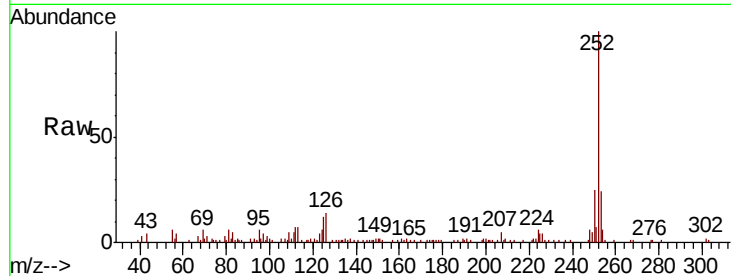




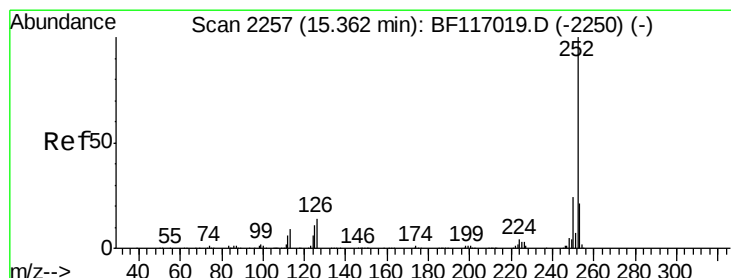
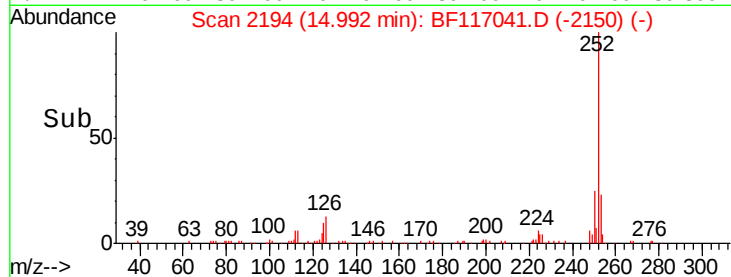
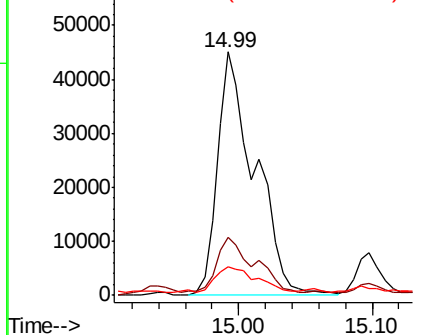
#89
Benzo(k)fluoranthene
Concen: 10.670 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 87774
Ion Ratio Lower Upper
252 100
253 23.7 17.4 26.2
125 11.5 8.8 13.2

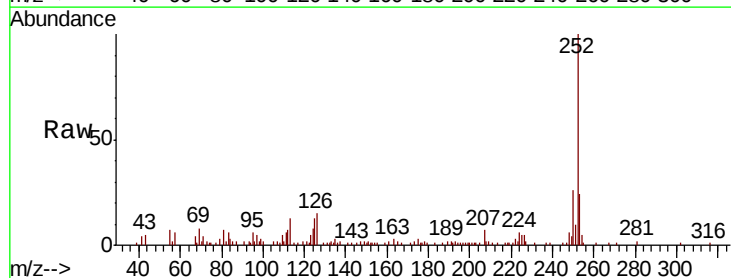


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

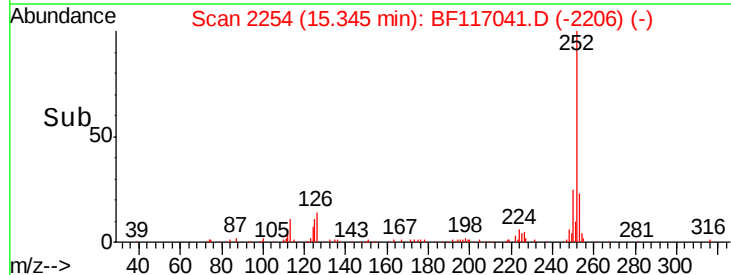
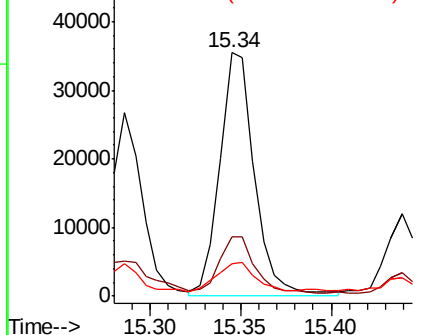


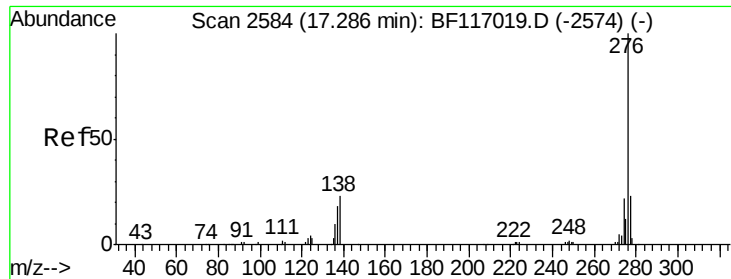
#90
Benzo(a)pyrene
Concen: 6.275 ng
RT: 15.34 min Scan# 2254
Delta R.T. -0.02 min
Lab File: BF117041.D
Acq: 13 Sep 2019 23:45

Tgt Ion:252 Resp: 47819
Ion Ratio Lower Upper
252 100
253 24.4 16.6 25.0
125 13.4 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

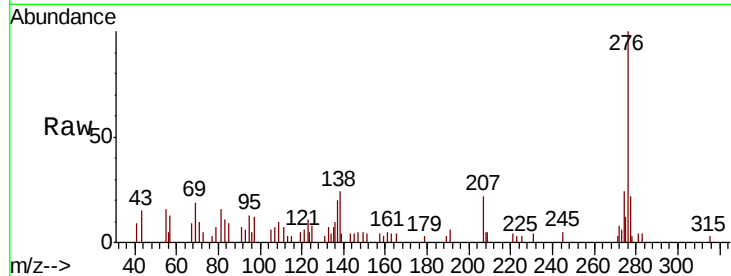




#92
 Benzo(a,h,i)perylene
 Concen: 3.938 ng
 RT: 17.27 min Scan# 2581
 Delta R.T. -0.02 min
 Lab File: BF117041.D
 Acq: 13 Sep 2019 23:45

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	21.6	18.6	27.8
138	24.5	18.0	27.0



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

