

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
 Data File : BF118080.D
 Acq On : 3 Dec 2019 23:35
 Operator : JU
 Sample : K6069-03
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 04 00:37:34 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 03 15:16:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	135145	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	501091	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	240161	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	393486	20.00	ng	0.00
76) Chrysene-d12	14.08	240	293376	20.00	ng	0.00
87) Perylene-d12	15.59	264	283807	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	715104	93.66	ng	0.00
7) Phenol-d6	6.51	99	876955	95.23	ng	0.00
23) Nitrobenzene-d5	7.44	82	528707	62.72	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	246176	96.82	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1060486	79.22	ng	0.00
79) Terphenyl-d14	13.02	244	1036208	64.55	ng	0.00

Target Compounds

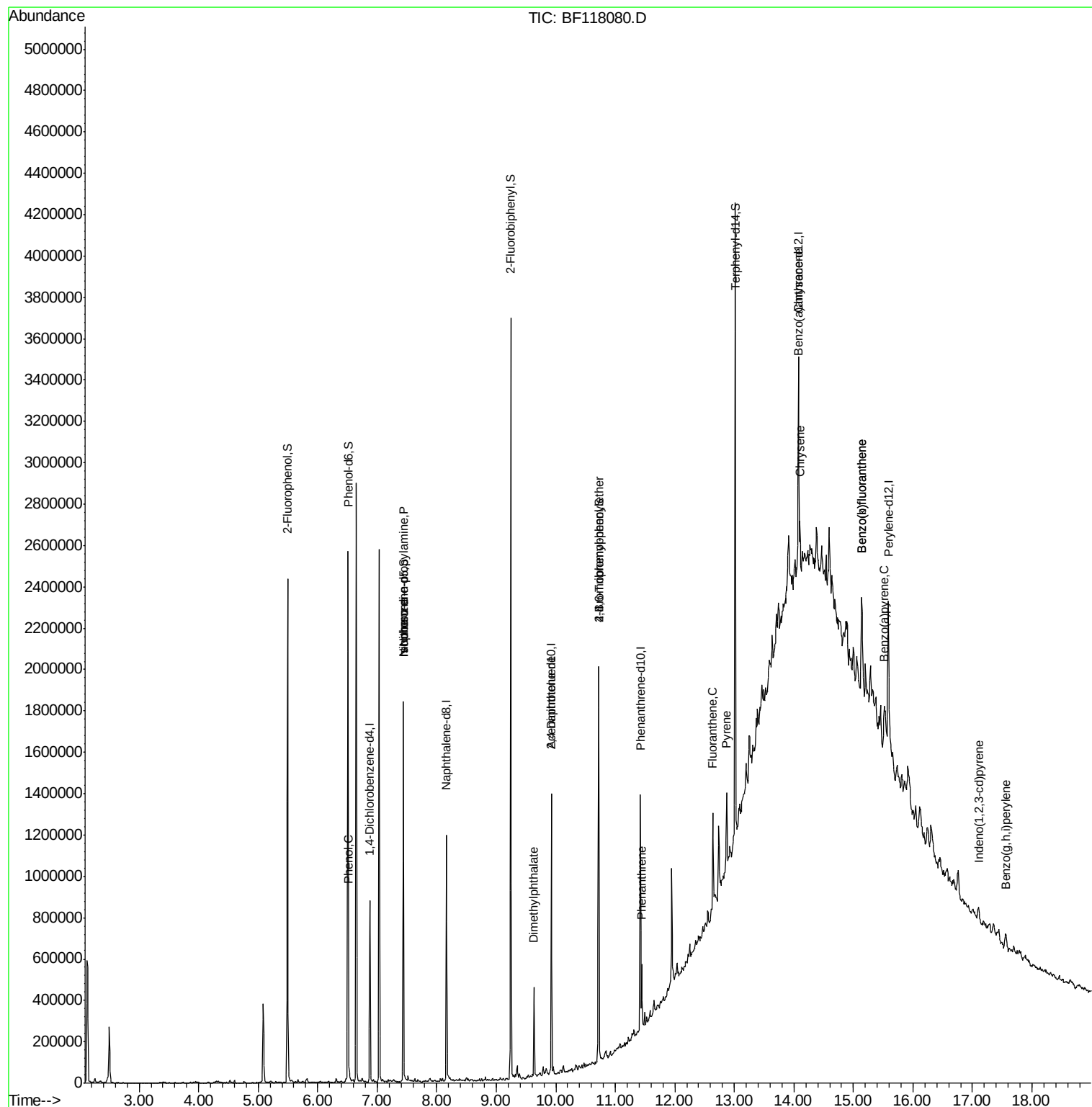
						Qvalue
9) Benzaldehyde	6.43	77	640	Below Cal	#	68
10) Phenol	6.52	94	23296	2.434 ng		94
19) n-Nitroso-di-n-propylamine	7.44	70	74413	13.098 ng	#	75
25) Isophorone	7.44	82	526131	34.054 ng	#	63
50) Dimethylphthalate	9.63	163	168268	9.992 ng		99
57) 2,4-Dinitrotoluene	9.93	165	32713	6.987 ng	#	33
67) 4-Bromophenyl-phenylether	10.72	248	15617	3.678 ng	#	1
71) Phenanthrene	11.45	178	108797	5.499 ng		98
75) Fluoranthene	12.64	202	179358	2.919 ng		97
78) Pyrene	12.87	202	171175	7.220 ng		97
81) Benzo(a)anthracene	14.07	228	100281	5.173 ng	#	95
83) Chrysene	14.10	228	88461	4.709 ng	#	94
86) Indeno(1,2,3-cd)pyrene	17.10	276	54400	3.402 ng		97
88) Benzo(b)fluoranthene	15.14	252	176697	9.583 ng	#	83
89) Benzo(k)fluoranthene	15.14	252	176697	10.170 ng	#	82
90) Benzo(a)pyrene	15.52	252	88414	5.453 ng	#	82
92) Benzo(a,h,i)perylene	17.56	276	52564	3.781 ng		91

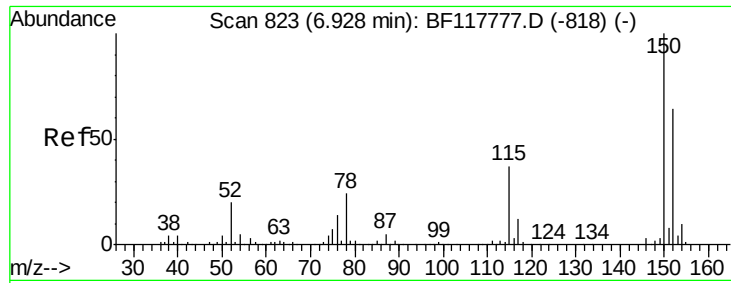
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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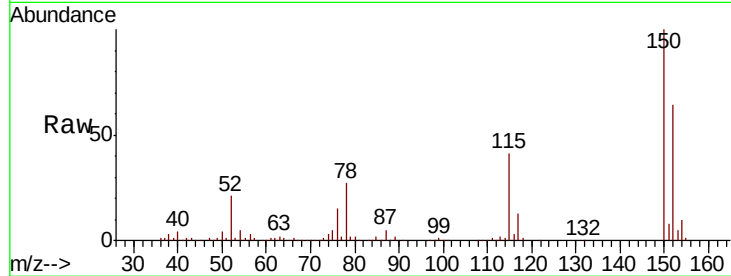


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.9	121.4	182.2
115	63.9	48.8	73.2

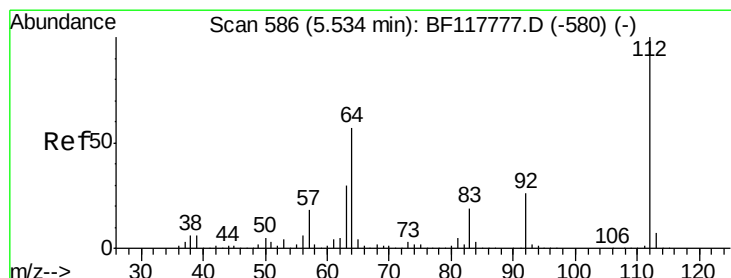
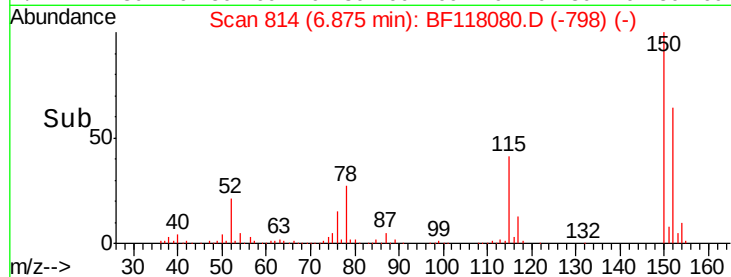
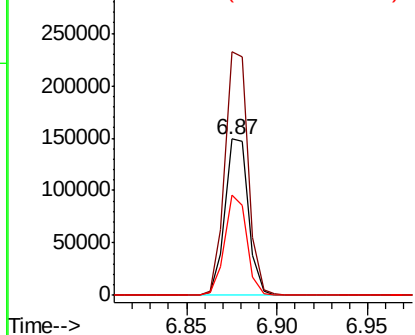


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

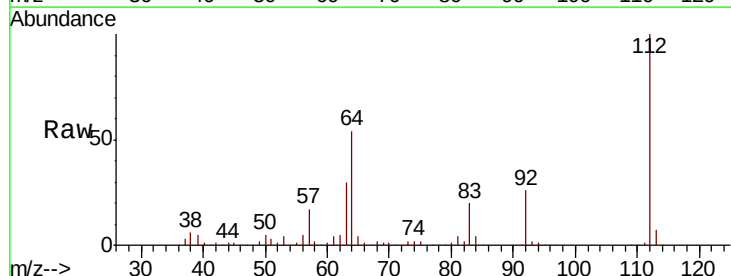
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 93.663 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.5	45.1	67.7
63	29.9	24.6	37.0

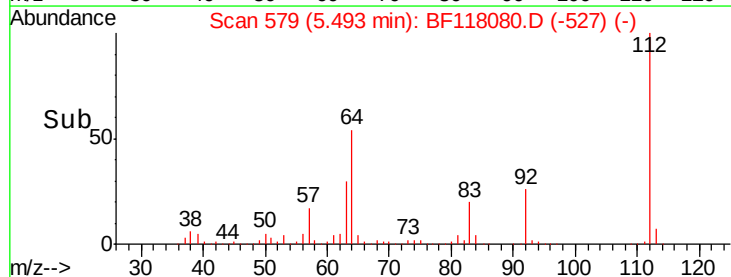
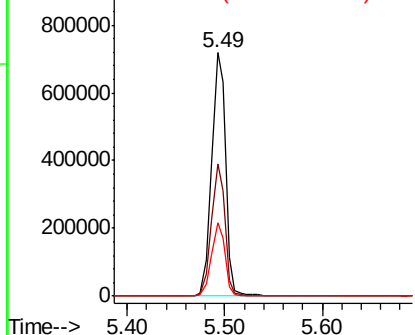


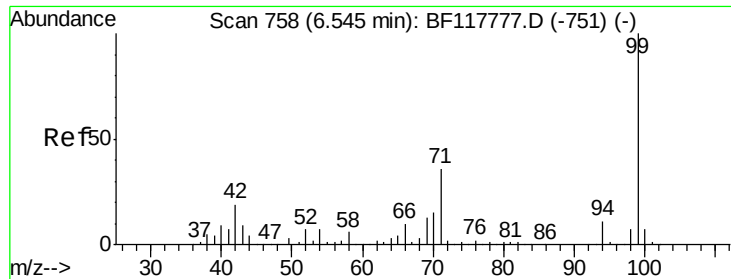
Abundance

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: 95.229 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF118080.D

Acq: 3 Dec 2019 23:35

Instrument :

BNA_F

ClientSampleId :

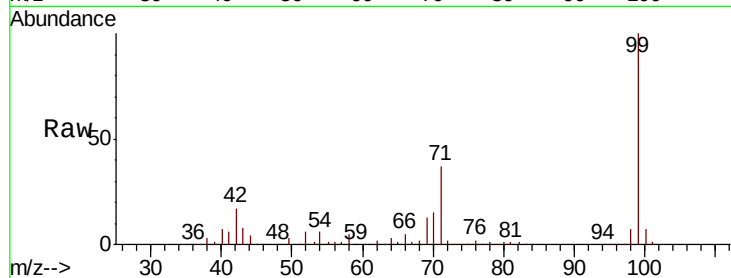
Tot Ion: 99 Resp: 876955

Ion Ratio Lower Upper

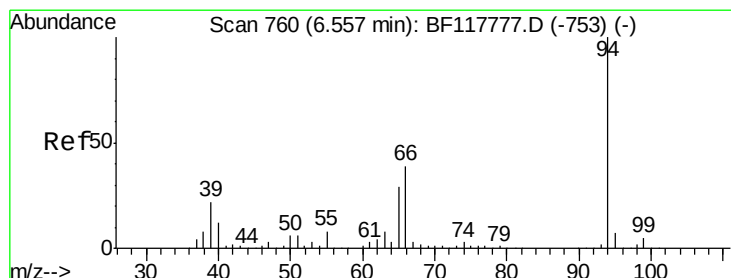
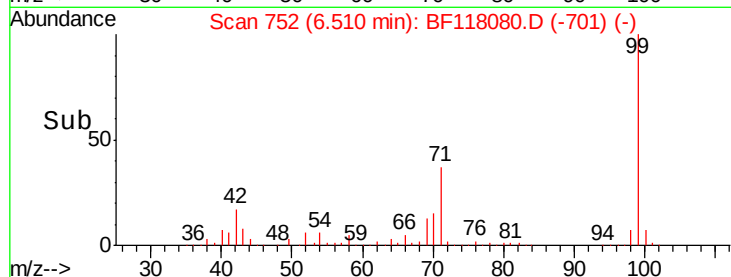
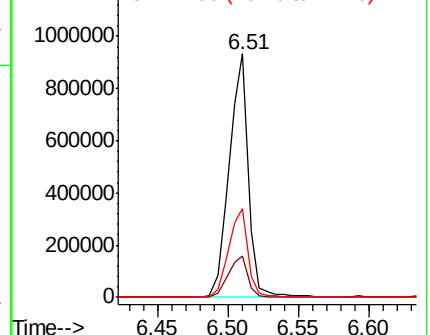
99 100

42 17.0 14.0 21.0

71 36.5 29.2 43.8



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



#10

Phenol

Concen: 2.434 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF118080.D

Acq: 3 Dec 2019 23:35

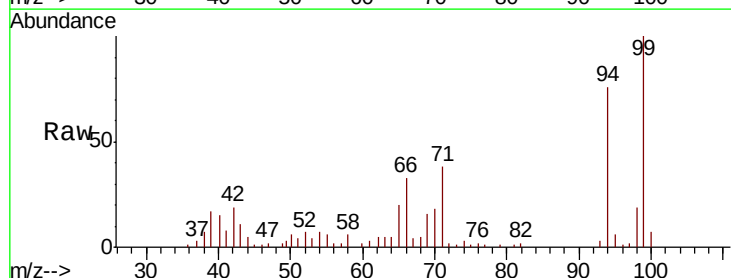
Tgt Ion: 94 Resp: 23296

Ion Ratio Lower Upper

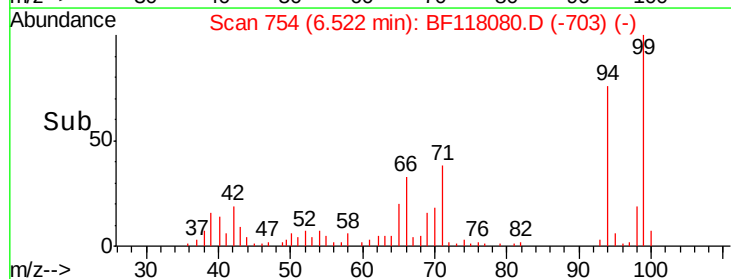
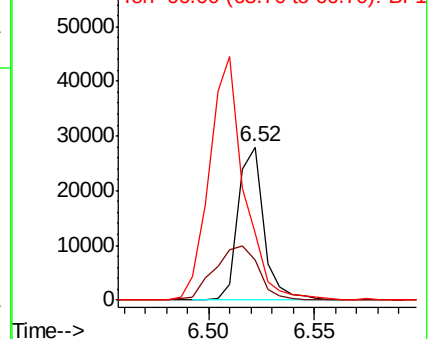
94 100

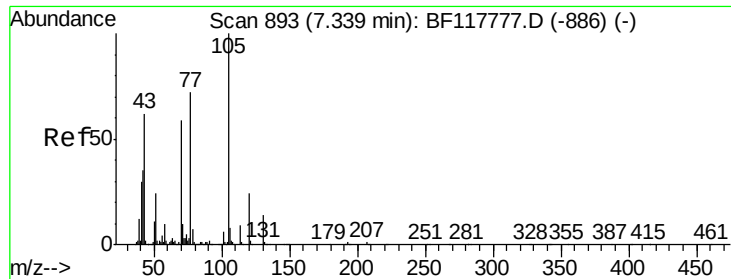
65 25.8 6.9 46.9

66 43.5 18.6 58.6



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

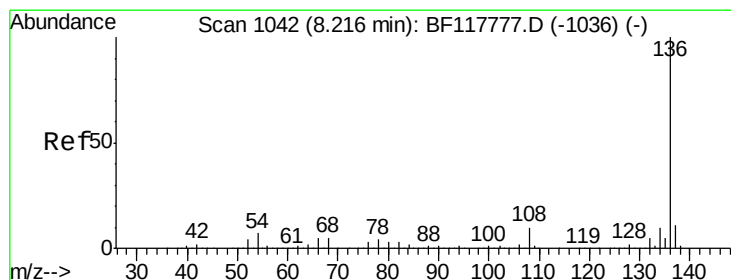
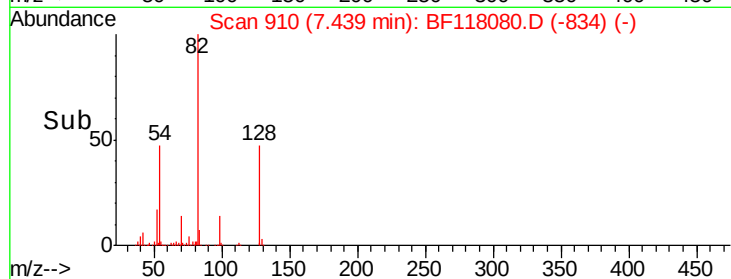
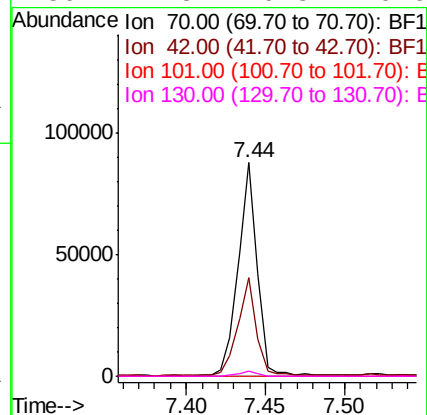
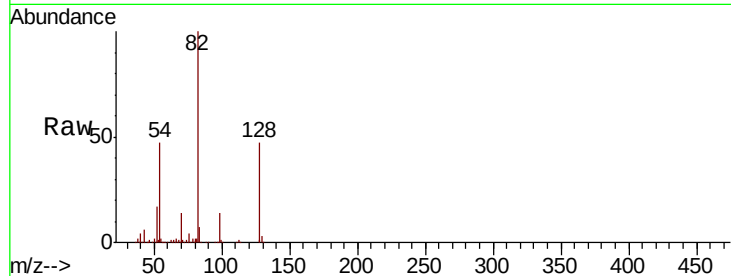




#19
n-Nitroso-di-n-propylamine
Concen: 13.098 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

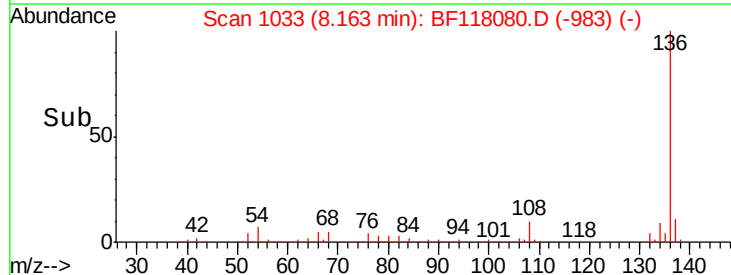
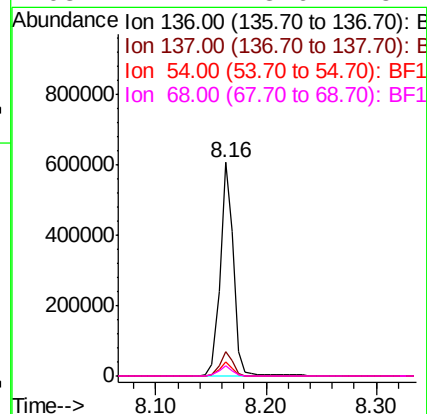
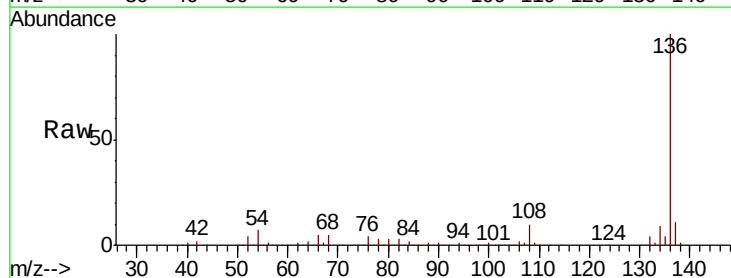
Instrument :
BNA_F
ClientSampleId :

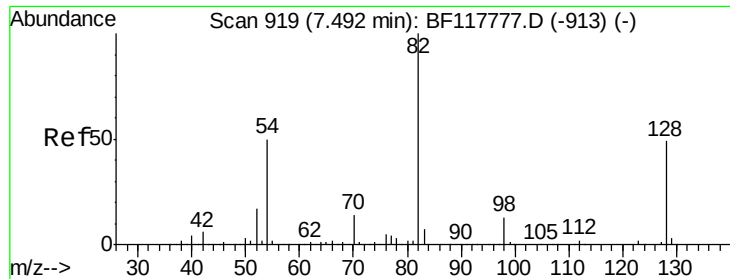
Tot Ion: 70 Resp: 74413
Ion Ratio Lower Upper
70 100
42 45.9 46.0 69.0#
101 0.0 8.8 13.2#
130 2.3 19.8 29.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

Tgt Ion:136 Resp: 501091
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 6.6 4.9 7.3
68 4.7 3.6 5.4

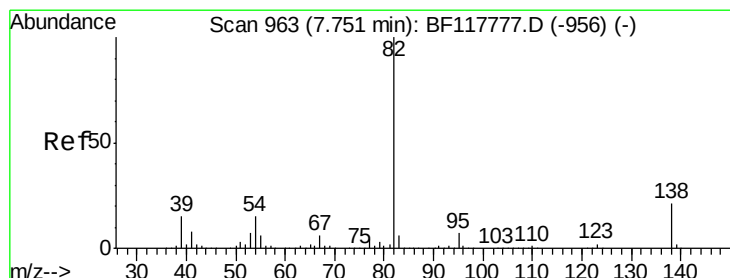
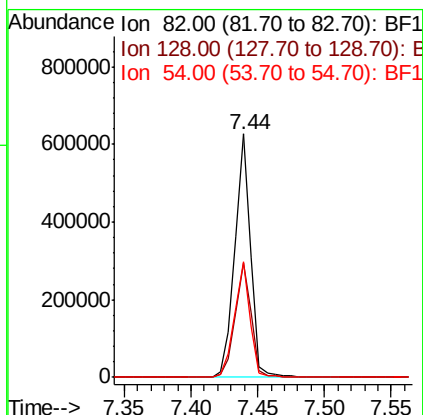
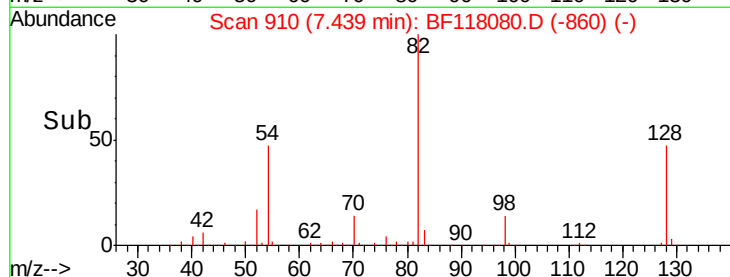
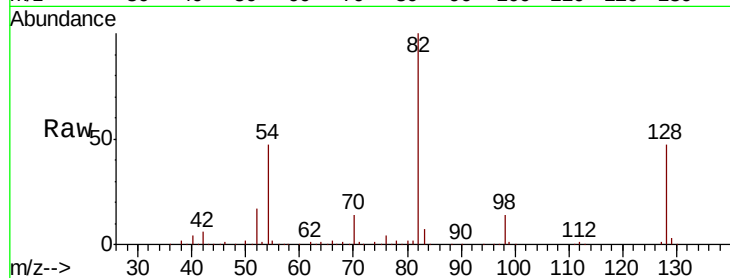




#23
Nitrobenzene-d5
Concen: 62.722 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

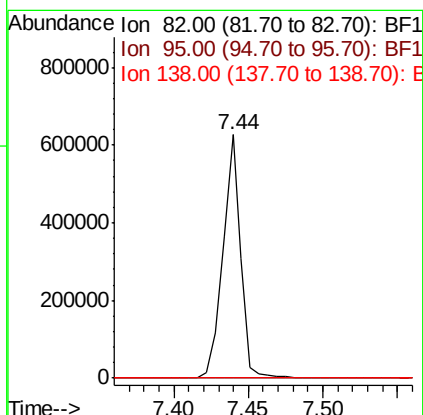
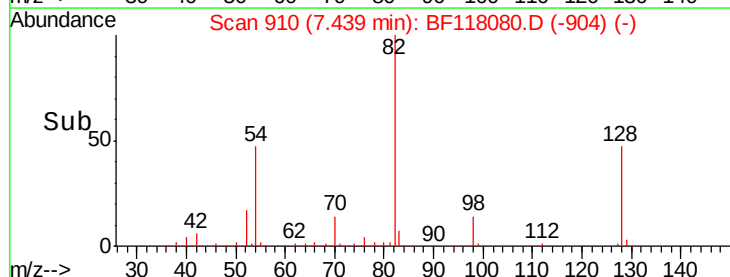
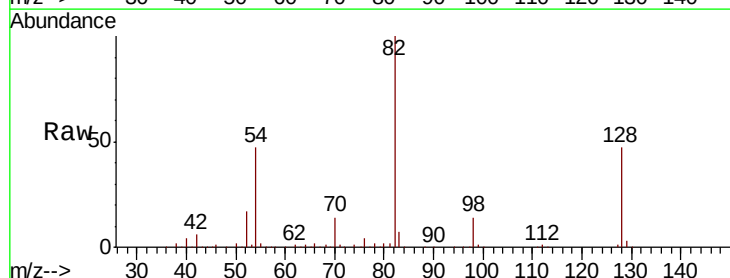
Instrument :
BNA_F
ClientSampled :

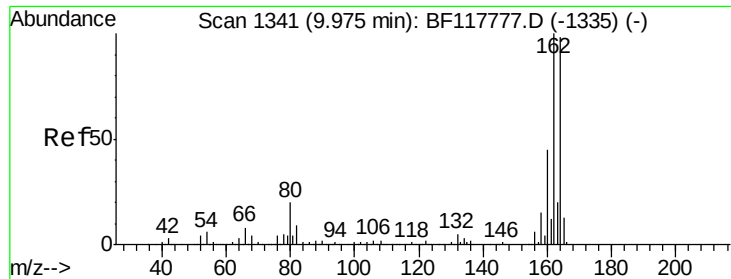
Tot Ion	82	Resp	528707
Ion Ratio	100	Lower	Upper
128	46.8	38.2	57.4
54	47.5	39.0	58.4



#25
Isophorone
Concen: 34.054 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

Tgt Ion	82	Resp	526131
Ion Ratio	100	Lower	Upper
95	0.0	6.2	9.2#
138	0.0	15.9	23.9#

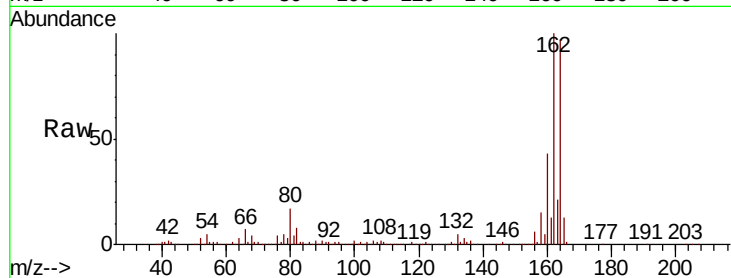




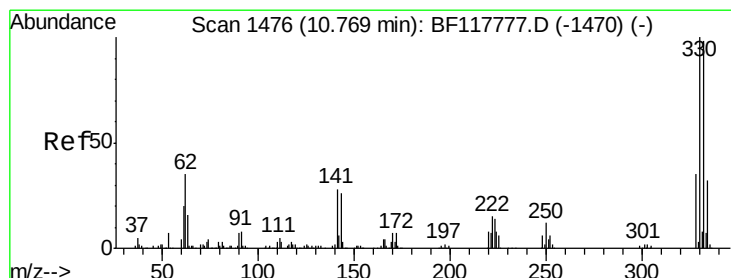
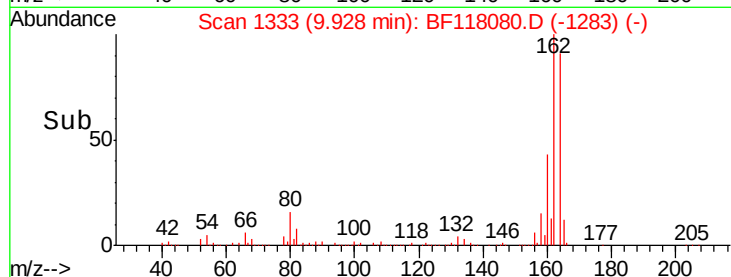
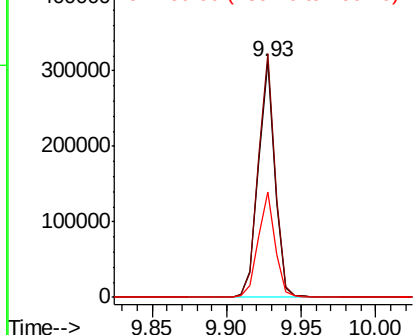
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.01 min
 Lab File: BF118080.D
 Acq: 3 Dec 2019 23:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 240161
 Ion Ratio Lower Upper
 164 100
 162 103.4 81.8 122.8
 160 45.0 35.9 53.9

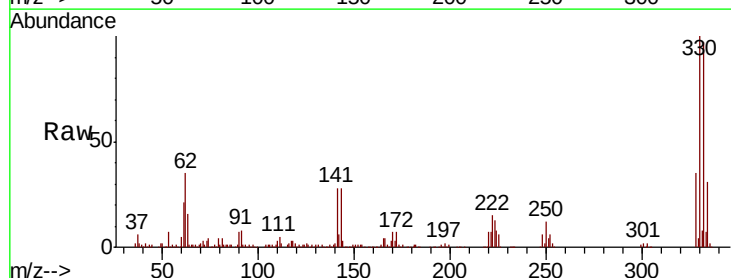


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

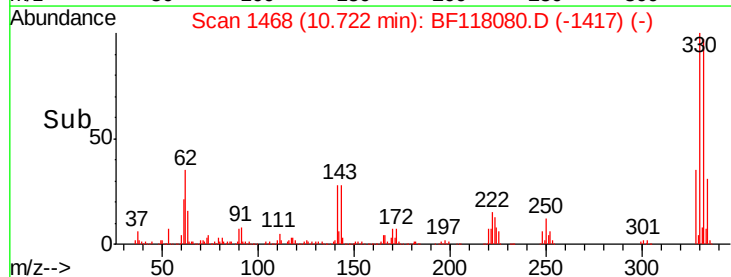
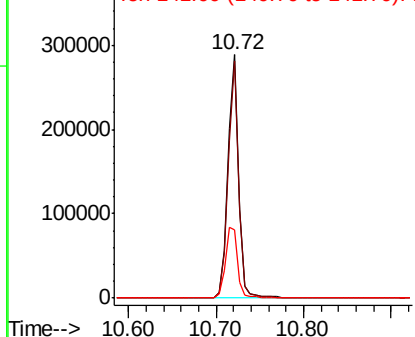


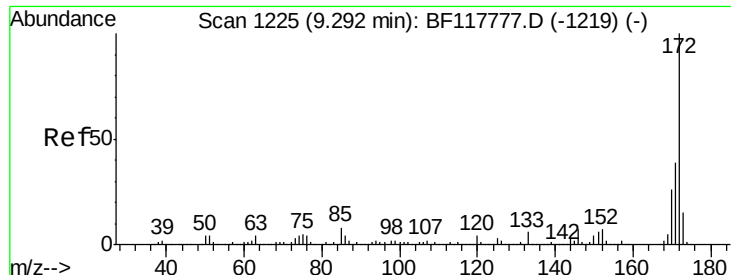
#42
 2,4,6-Tribromophenol
 Concen: 96.822 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.00 min
 Lab File: BF118080.D
 Acq: 3 Dec 2019 23:35

Tgt Ion:330 Resp: 246176
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.3 117.5
 141 33.0 26.4 39.6



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

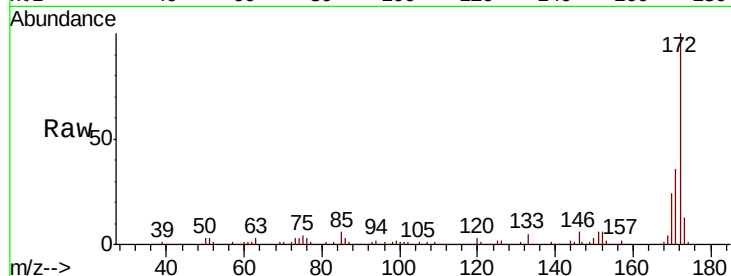




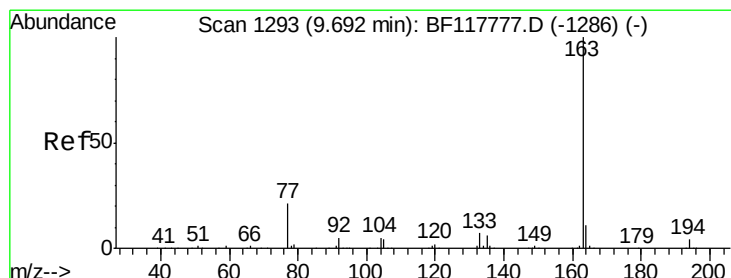
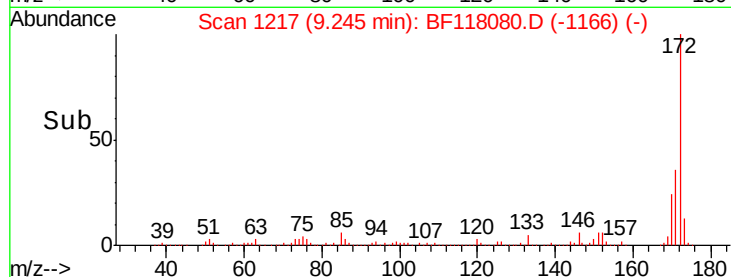
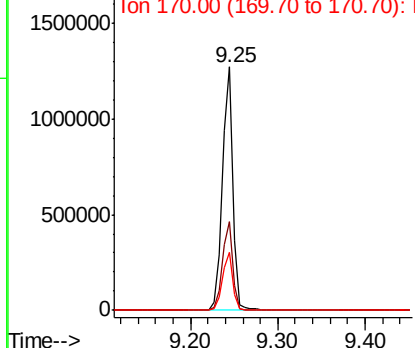
#45
2-Fluorobiphenyl
Concen: 79.220 ng
RT: 9.25 min Scan# 1217
Delta R.T. 0.00 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1060486
Ion Ratio Lower Upper
172 100
171 36.4 29.2 43.8
170 23.8 19.3 28.9

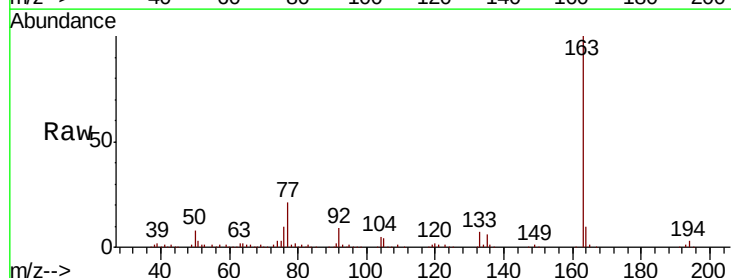


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

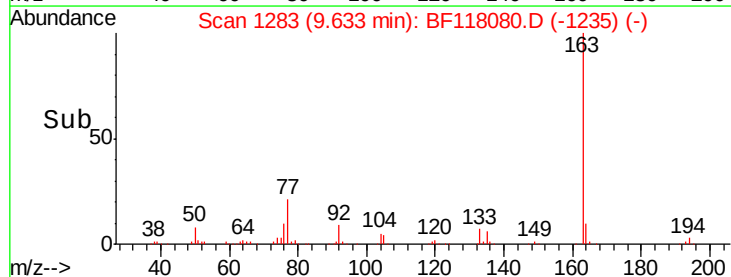
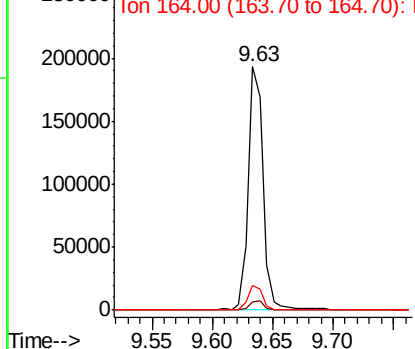


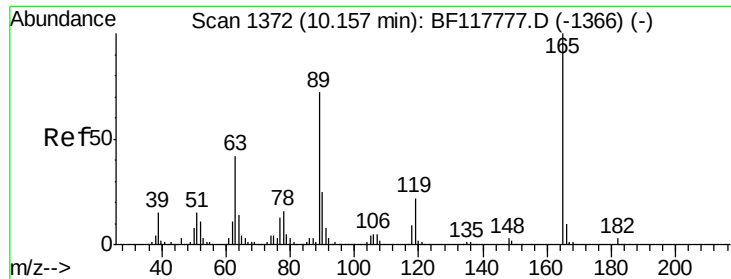
#50
Dimethylphthalate
Concen: 9.992 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

Tgt Ion:163 Resp: 168268
Ion Ratio Lower Upper
163 100
194 3.5 3.1 4.7
164 10.2 7.9 11.9



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

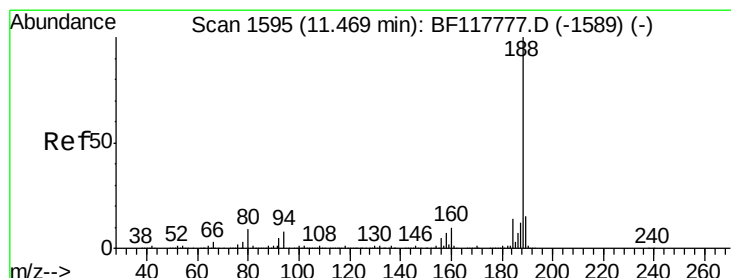
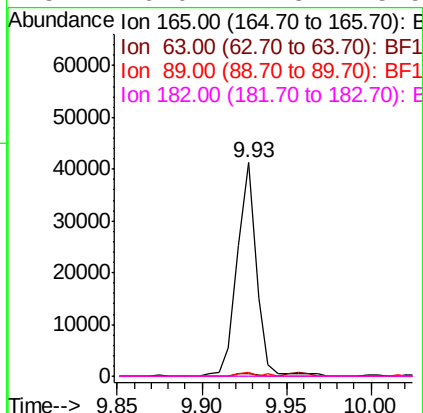
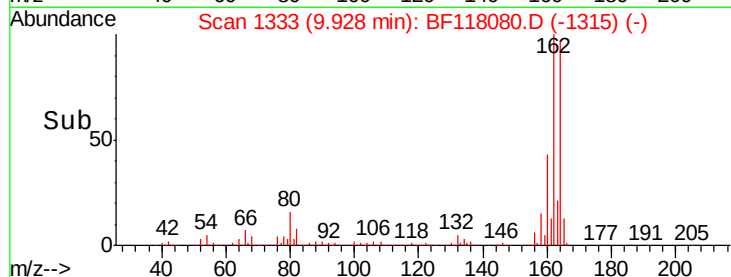
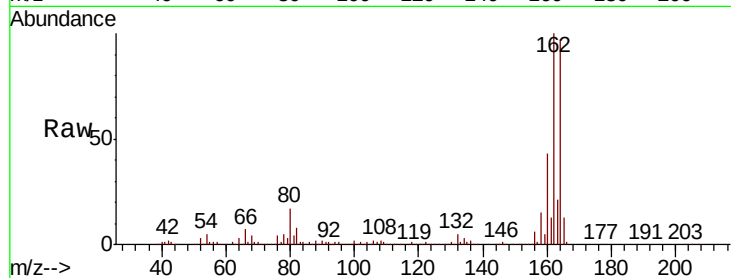




#57
 2,4-Dinitrotoluene
 Concen: 6.987 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF118080.D
 Acq: 3 Dec 2019 23:35

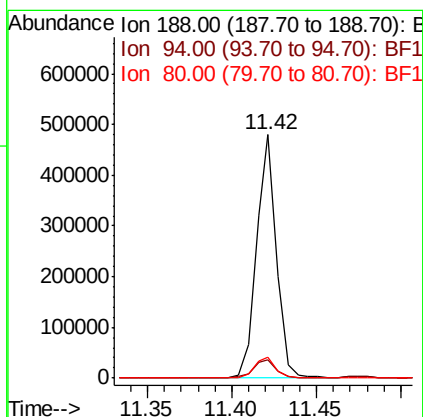
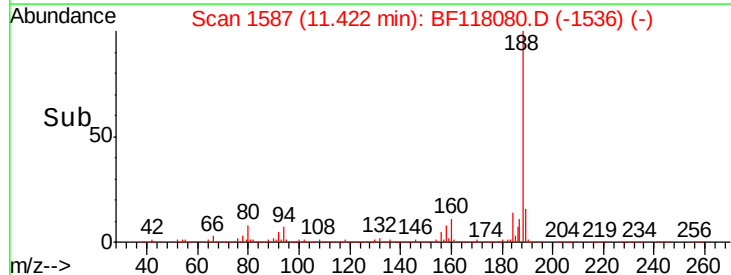
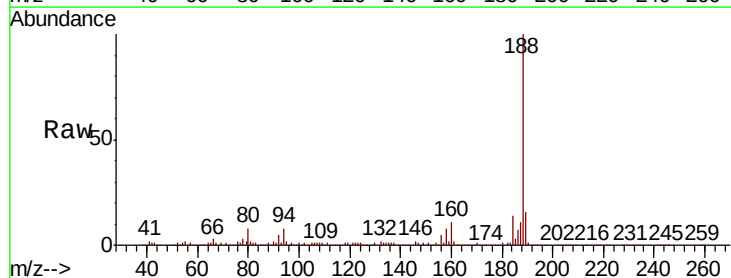
Instrument :
 BNA_F
 ClientSampleId :

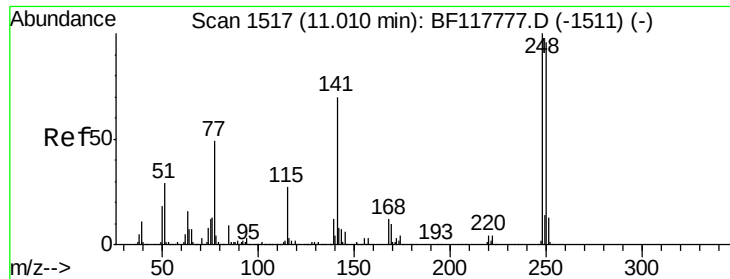
Tot Ion:165 Resp: 32713
 Ion Ratio Lower Upper
 165 100
 63 1.2 26.5 39.7#
 89 1.9 47.2 70.8#
 182 0.0 2.3 3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: BF118080.D
 Acq: 3 Dec 2019 23:35

Tgt Ion:188 Resp: 393486
 Ion Ratio Lower Upper
 188 100
 94 7.6 7.0 10.6
 80 8.5 7.2 10.8

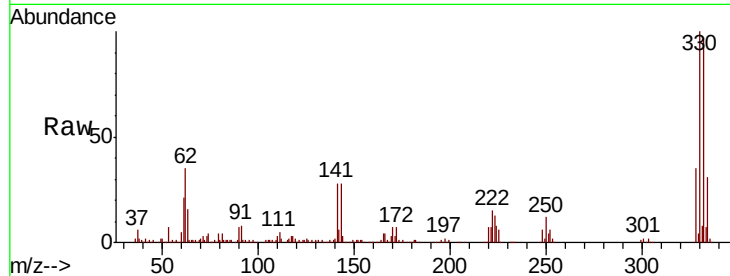




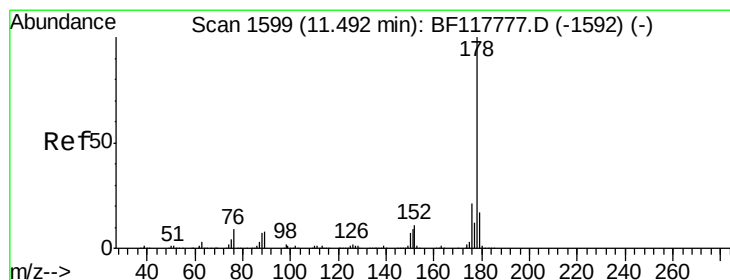
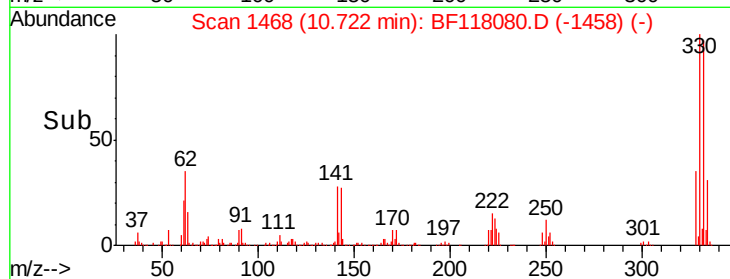
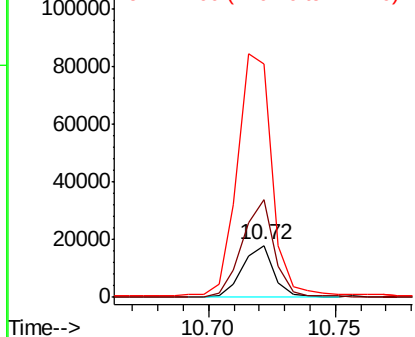
#67
 4-Bromophenyl-phenylether
 Concen: 3.678 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.24 min
 Lab File: BF118080.D
 Acq: 3 Dec 2019 23:35

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:248 Resp: 15617
 Ion Ratio Lower Upper
 248 100
 250 189.2 78.0 117.0#
 141 451.9 64.0 96.0#

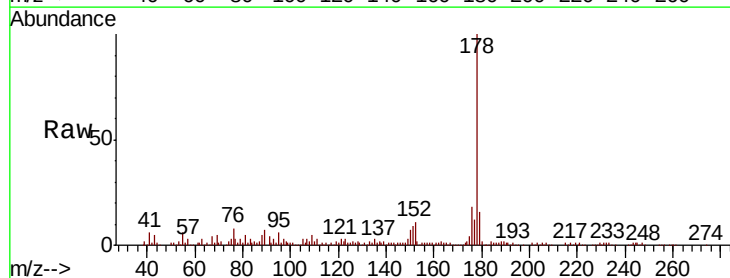


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

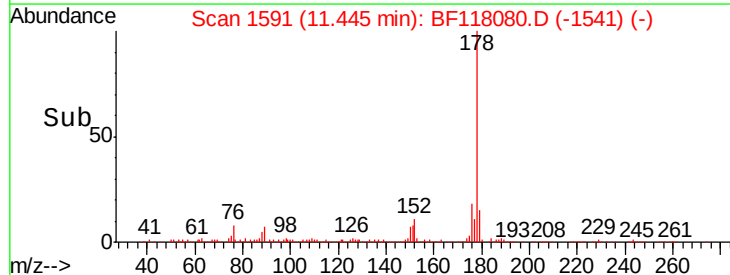
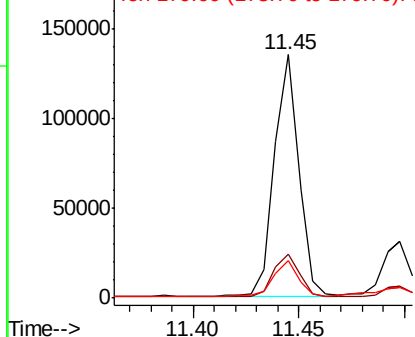


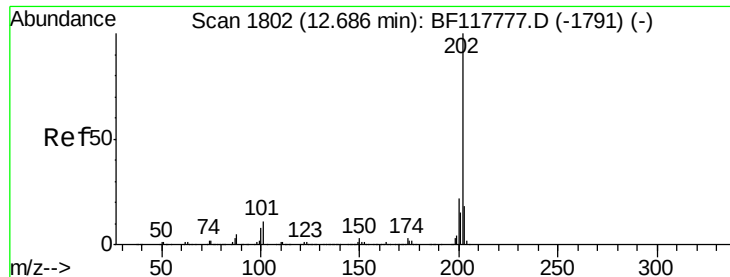
#71
 Phenanthrene
 Concen: 5.499 ng
 RT: 11.45 min Scan# 1591
 Delta R.T. -0.01 min
 Lab File: BF118080.D
 Acq: 3 Dec 2019 23:35

Tgt Ion:178 Resp: 108797
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.4 23.0
 179 15.7 12.3 18.5



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





#75

Fluoranthene

Concen: 2.919 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF118080.D

Acq: 3 Dec 2019 23:35

Instrument :

BNA_F

ClientSampled :

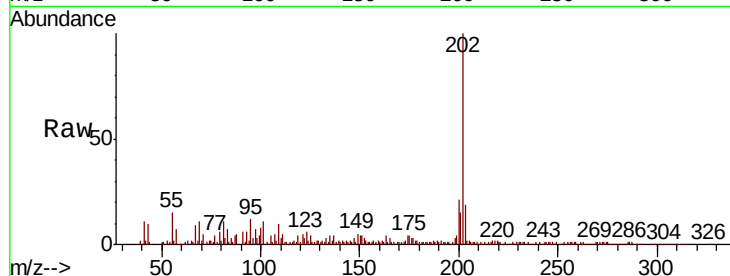
Tot Ion:202 Resp: 179358

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.5

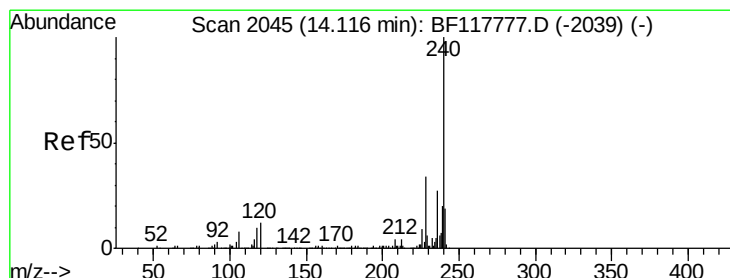
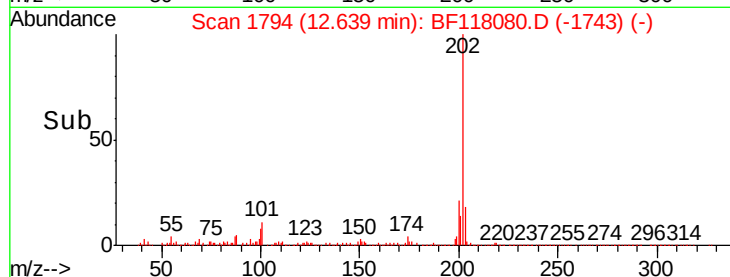
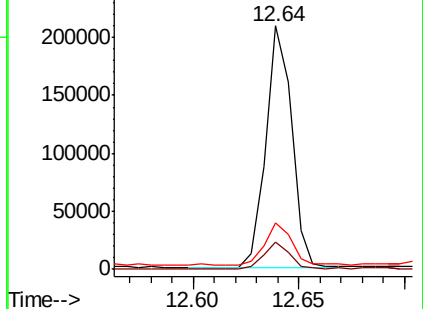
203 19.1 0.0 37.6



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: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF118080.D

Acq: 3 Dec 2019 23:35

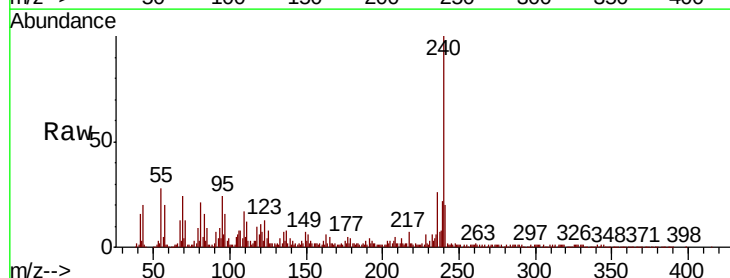
Tgt Ion:240 Resp: 293376

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

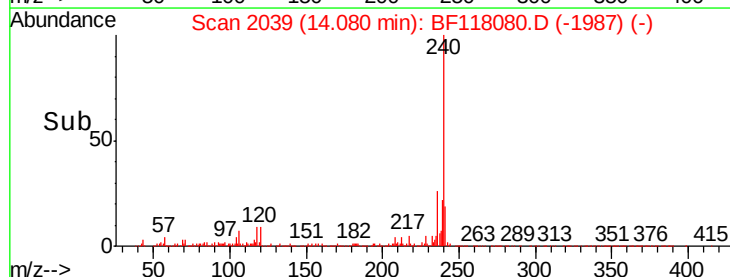
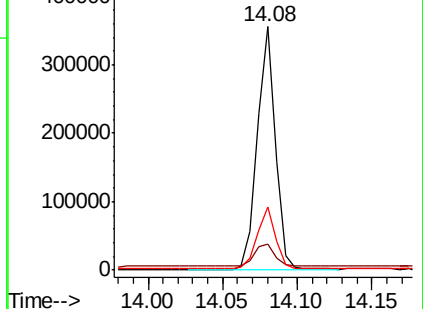
236 26.0 20.6 31.0

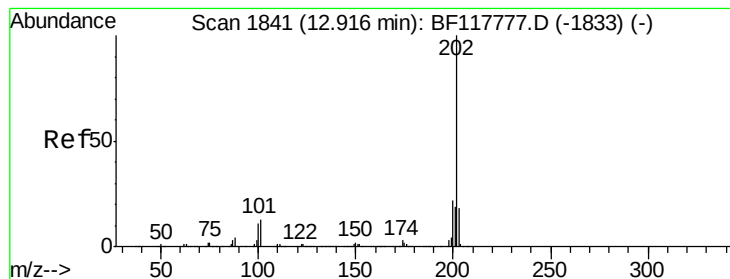


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pvrene

Concen: 7.220 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF118080.D

Acq: 3 Dec 2019 23:35

Instrument :

BNA_F

ClientSampleId :

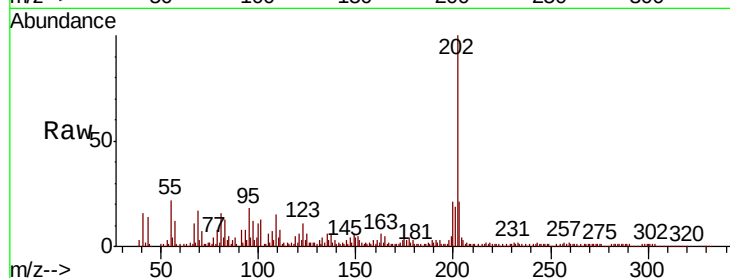
Tot Ion:202 Resp: 171175

Ion Ratio Lower Upper

202 100

200 21.1 17.0 25.6

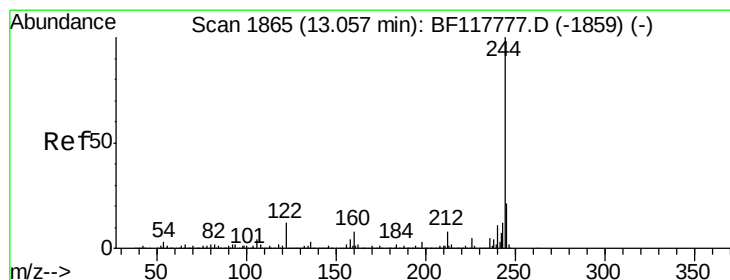
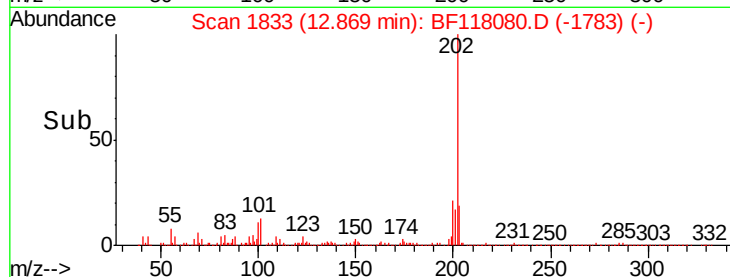
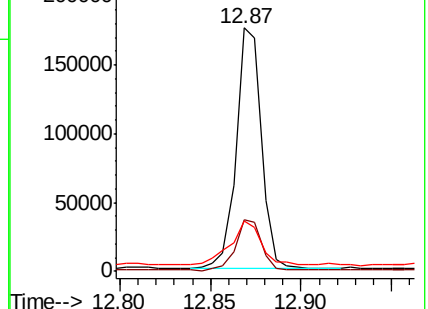
203 20.9 14.2 21.4



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: 64.551 ng

RT: 13.02 min Scan# 1858

Delta R.T. 0.00 min

Lab File: BF118080.D

Acq: 3 Dec 2019 23:35

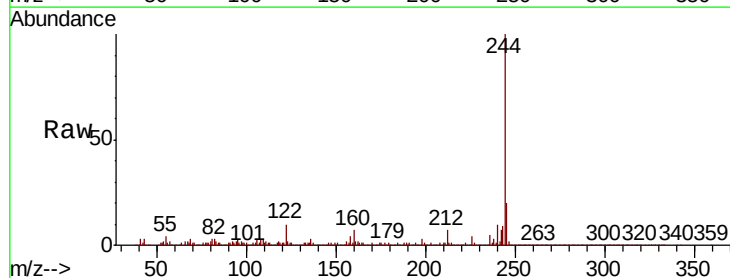
Tgt Ion:244 Resp: 1036208

Ion Ratio Lower Upper

244 100

212 7.2 5.2 7.8

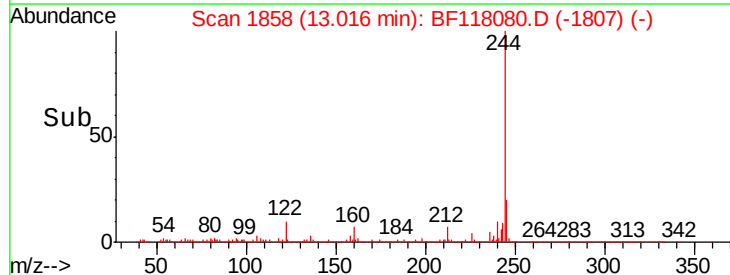
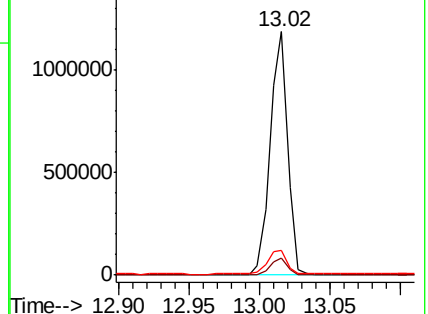
122 10.3 7.2 10.8

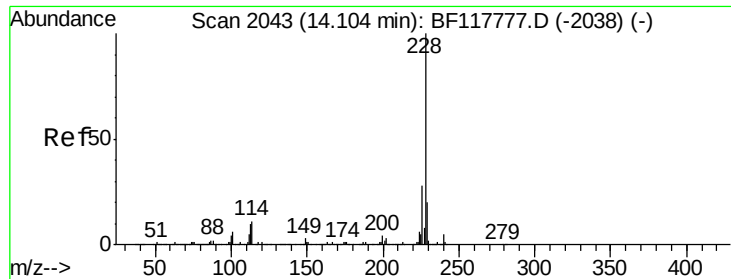


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

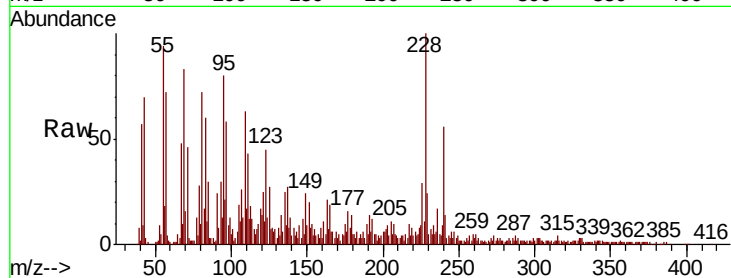




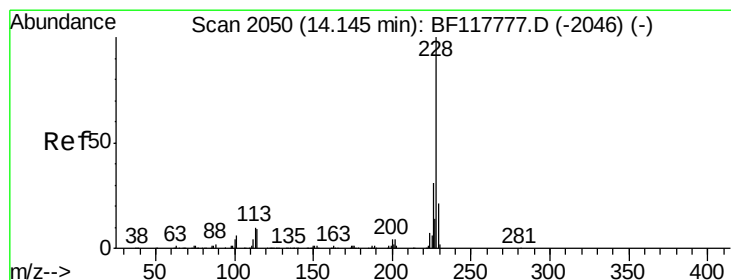
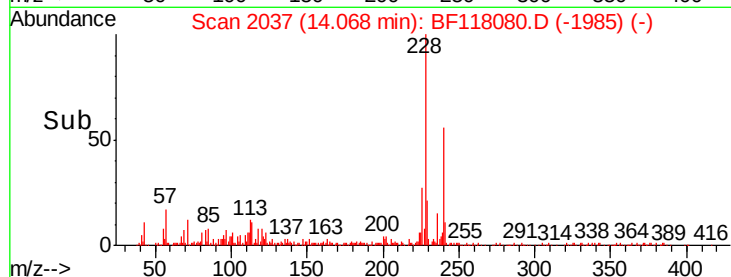
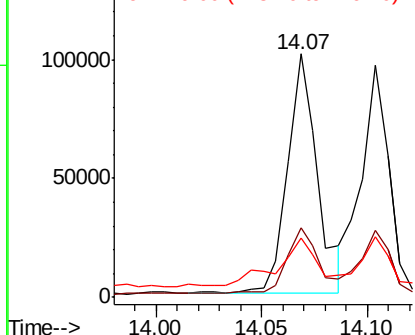
#81
Benzo(a)anthracene
Concen: 5.173 ng
RT: 14.07 min Scan# 2037
Delta R.T. 0.01 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 100281
Ion Ratio Lower Upper
228 100
226 28.5 21.9 32.9
229 24.3 16.2 24.2#

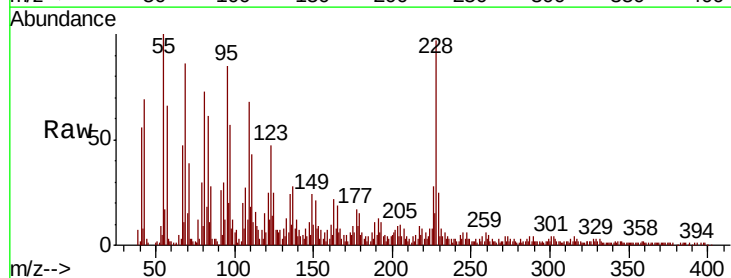


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

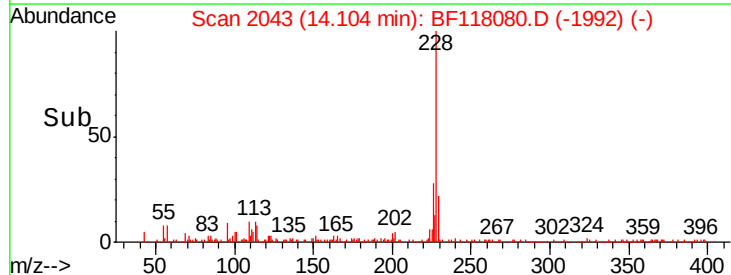
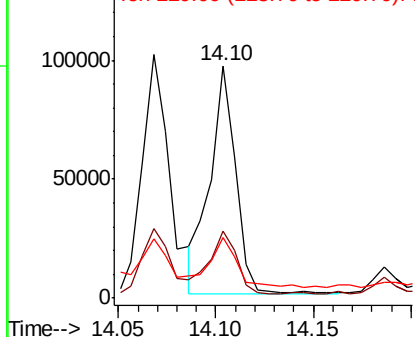


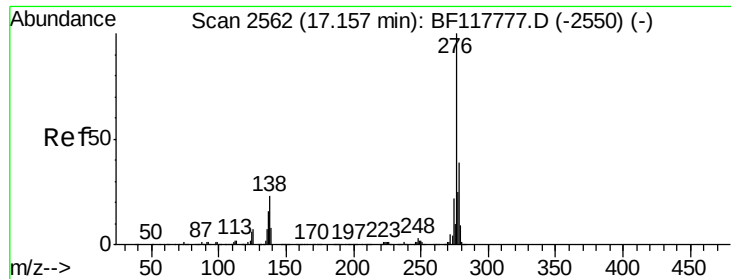
#83
Chrysene
Concen: 4.709 ng
RT: 14.10 min Scan# 2043
Delta R.T. 0.00 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

Tgt Ion:228 Resp: 88461
Ion Ratio Lower Upper
228 100
226 29.0 23.6 35.4
229 26.0 16.2 24.2#



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

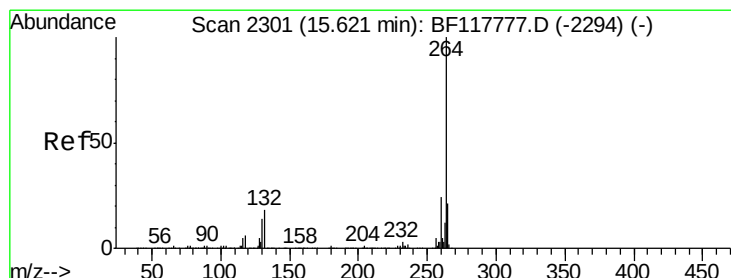
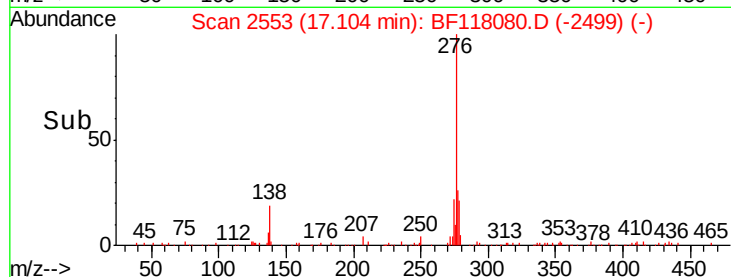
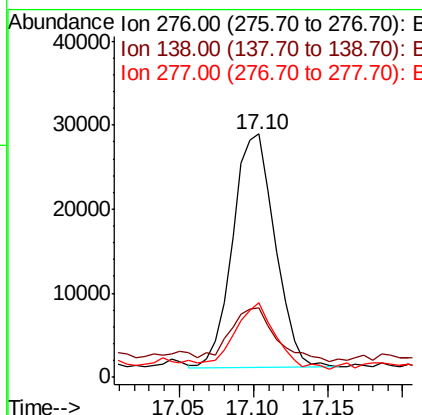
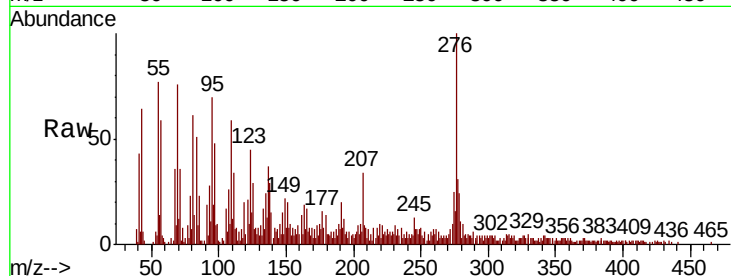




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.402 ng
 RT: 17.10 min Scan# 2553
 Delta R.T. 0.02 min
 Lab File: BF118080.D
 Acq: 3 Dec 2019 23:35

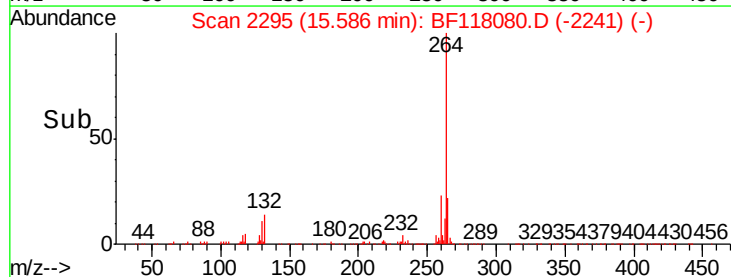
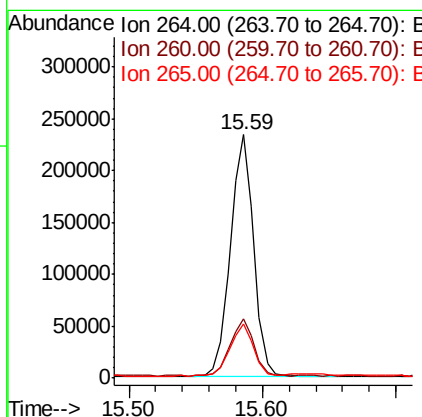
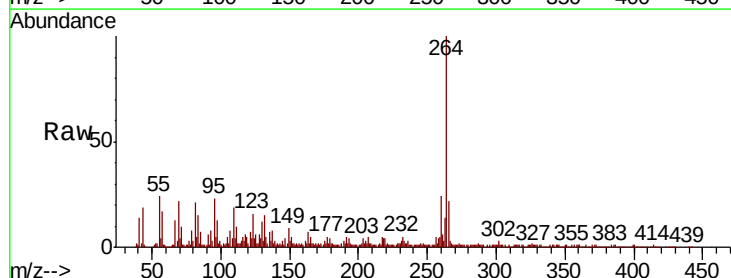
Instrument :
 BNA_F
 ClientSampleId :

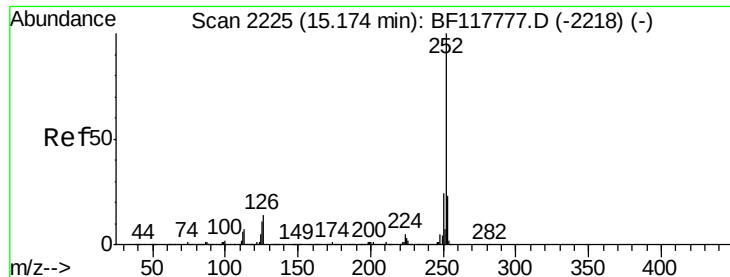
Tot Ion	Ratio	Lower	Upper
276	100		
138	24.8	19.0	28.6
277	27.5	20.7	31.1



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.59 min Scan# 2295
 Delta R.T. 0.02 min
 Lab File: BF118080.D
 Acq: 3 Dec 2019 23:35

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.0	28.6
265	22.4	16.4	24.6

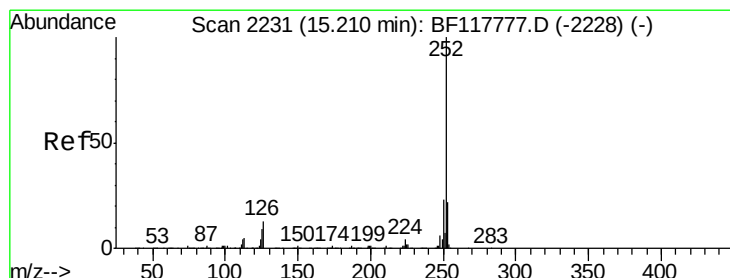
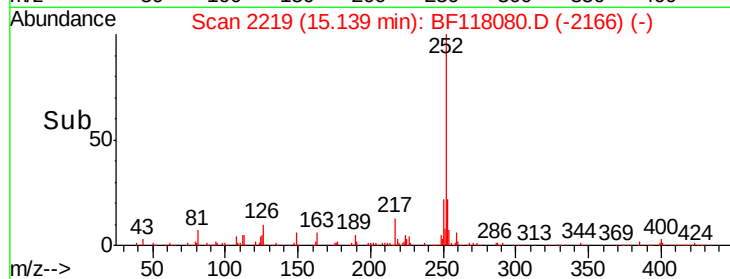
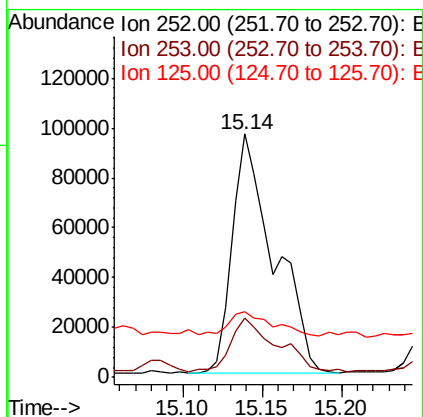
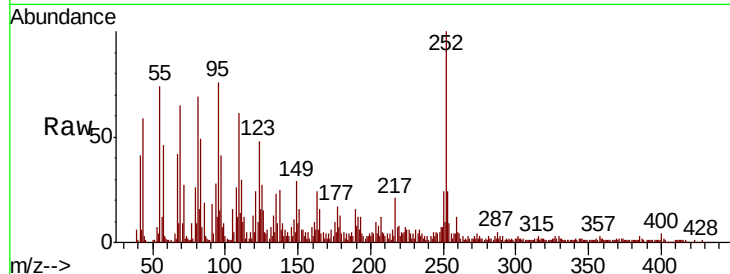




#88
Benzo(b)fluoranthene
Concen: 9.583 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.01 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

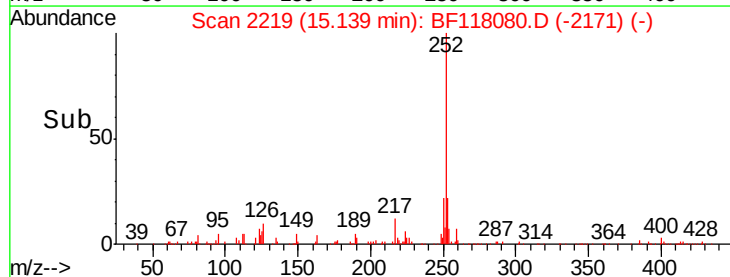
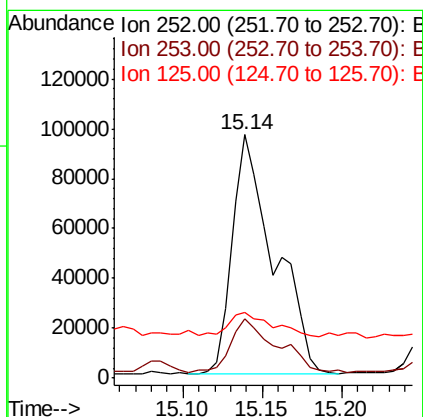
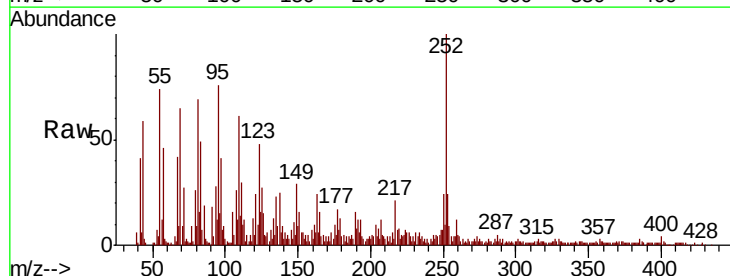
Instrument :
BNA_F
ClientSampleId :

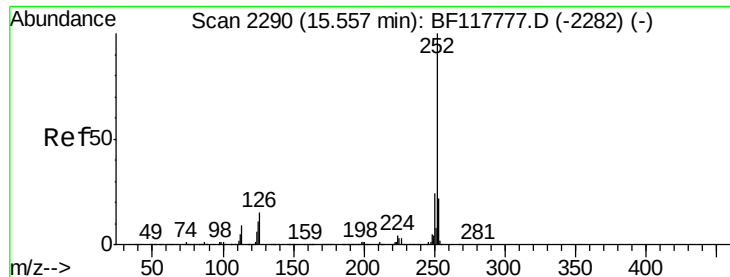
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.1	27.1
125	26.9	7.7	11.5#



#89
Benzo(k)fluoranthene
Concen: 10.170 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.02 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.3	25.9
125	26.9	8.5	12.7#

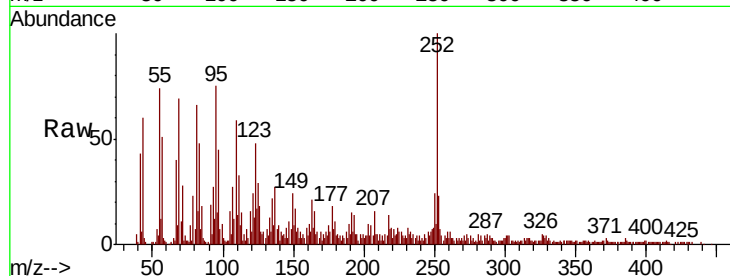




#90
Benzo(a)pyrene
Concen: 5.453 ng
RT: 15.52 min Scan# 2283
Delta R.T. 0.01 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.1	25.7
125	29.0	8.9	13.3

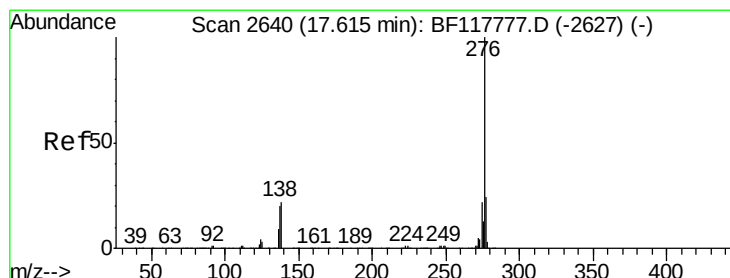
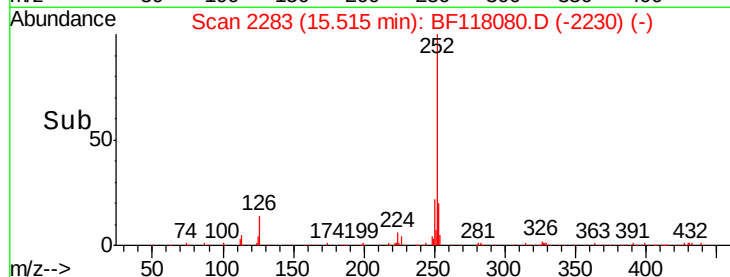
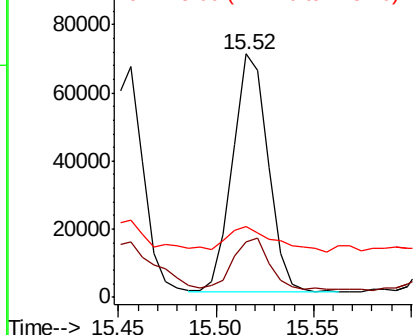


Abundance

Ion 252.00 (251.70 to 252.70): E

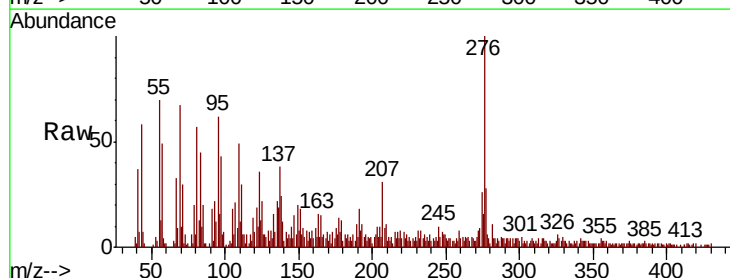
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 3.781 ng
RT: 17.56 min Scan# 2630
Delta R.T. 0.02 min
Lab File: BF118080.D
Acq: 3 Dec 2019 23:35

Tgt Ion	Ratio	Lower	Upper
276	100		
277	28.3	19.0	28.4
138	24.4	16.6	25.0



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

