

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120419\
 Data File : BF118091.D
 Acq On : 4 Dec 2019 17:32
 Operator : JU
 Sample : K6119-09
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 05 00:39:36 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	143638	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	632964	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	268788	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	488549	20.00	ng	0.00
76) Chrysene-d12	14.07	240	303475	20.00	ng	0.00
87) Perylene-d12	15.57	264	305701	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	920488	113.44	ng	0.01
7) Phenol-d6	6.50	99	1176458	120.20	ng	0.00
23) Nitrobenzene-d5	7.44	82	701534	65.89	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	302830	106.42	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1348723	90.02	ng	0.00
79) Terphenyl-d14	13.01	244	1107834	66.72	ng	0.00

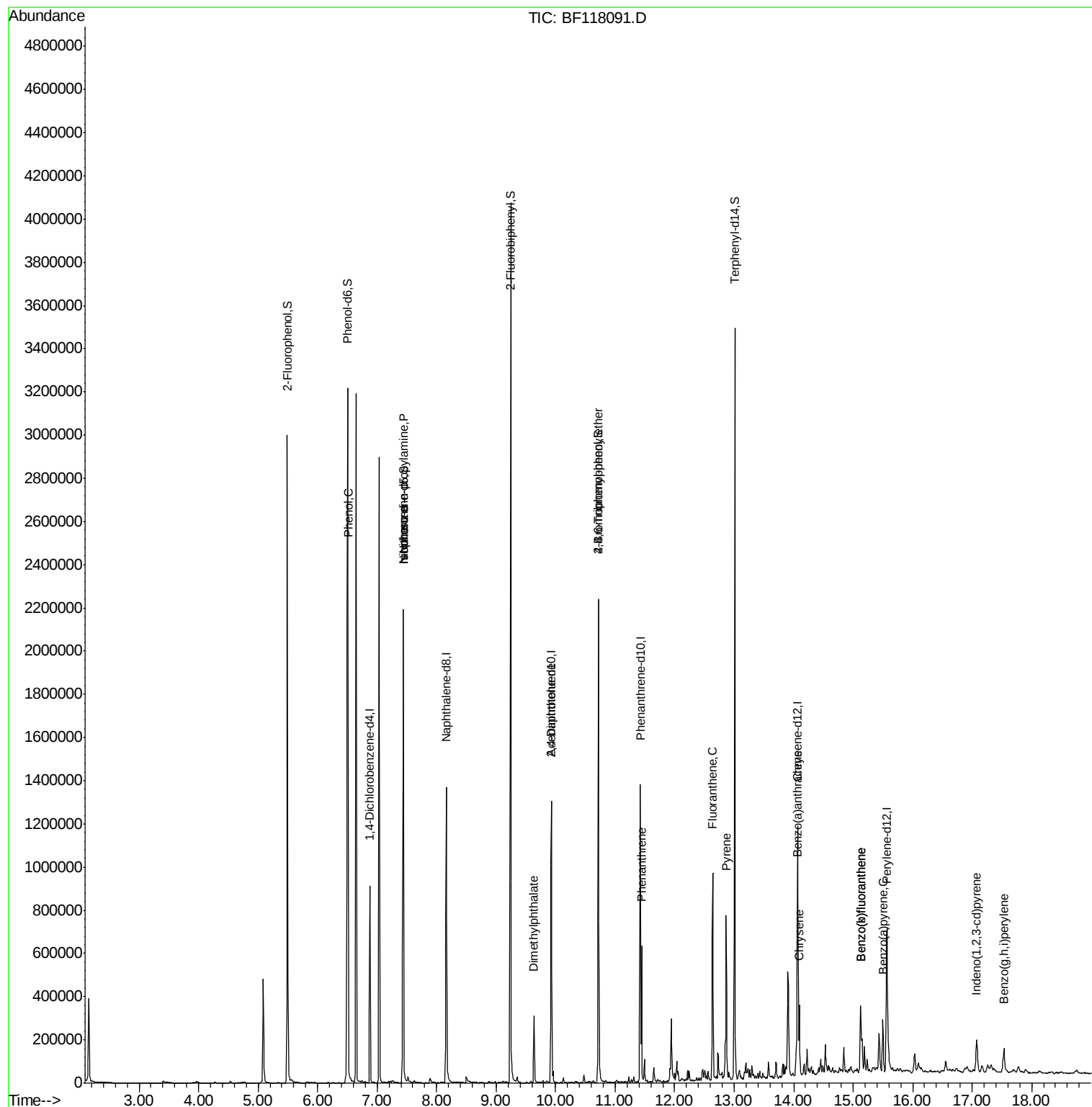
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	1967	Below Cal		# 1
10) Phenol	6.52	94	34855	3.427	ng	99
19) n-Nitroso-di-n-propylamine	7.44	70	94693	15.682	ng	# 71
25) Isophorone	7.44	82	701521	35.946	ng	# 63
50) Dimethylphthalate	9.63	163	142912	7.582	ng	100
57) 2,4-Dinitrotoluene	9.93	165	34573	6.598	ng	# 33
67) 4-Bromophenyl-phenylether	10.72	248	18666	3.541	ng	# 1
71) Phenanthrene	11.44	178	222112	9.043	ng	99
75) Fluoranthene	12.64	202	350917	9.803	ng	97
78) Pyrene	12.87	202	291337	11.879	ng	99
81) Benzo(a)anthracene	14.06	228	147292	7.345	ng	98
83) Chrysene	14.10	228	132437	6.815	ng	99
86) Indeno(1,2,3-cd)pyrene	17.07	276	96036	5.807	ng	97
88) Benzo(b)fluoranthene	15.13	252	231065	11.634	ng	98
89) Benzo(k)fluoranthene	15.13	252	231065	12.347	ng	98
90) Benzo(a)pyrene	15.50	252	121011	6.929	ng	99
92) Benzo(a,h,i)perylene	17.53	276	89382	5.970	ng	99

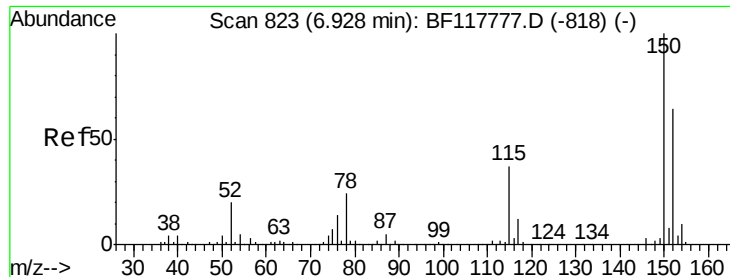
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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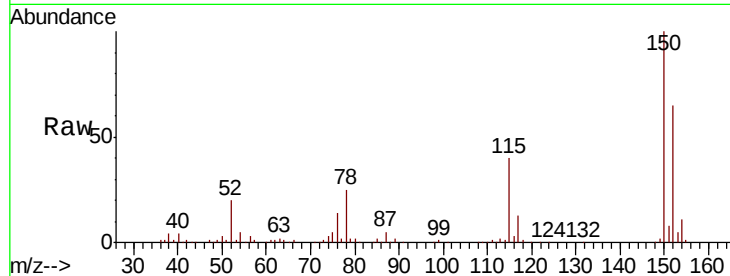


#1

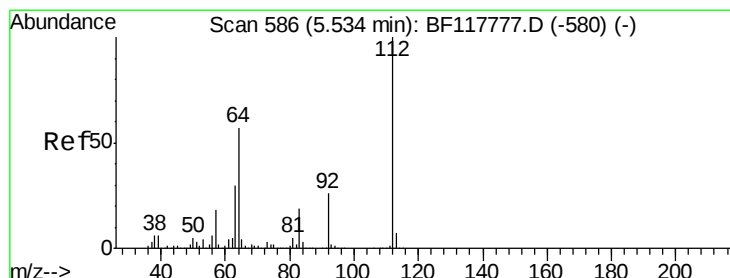
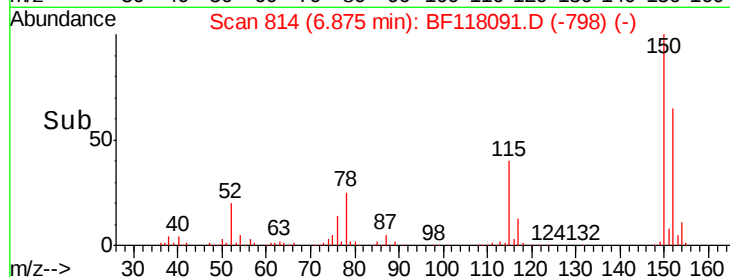
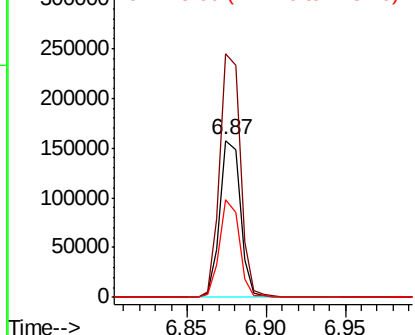
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 143638
Ion Ratio Lower Upper
152 100
150 154.9 121.4 182.2
115 62.2 48.8 73.2



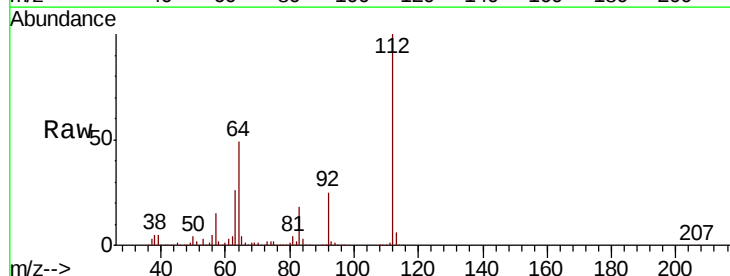
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



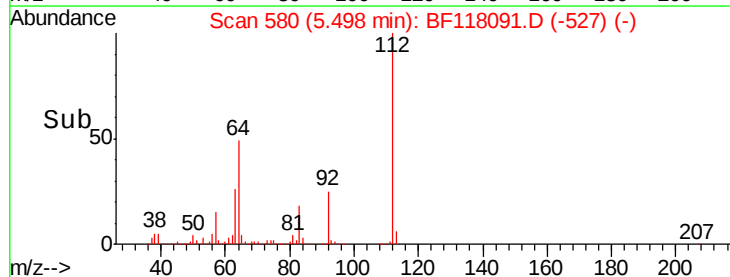
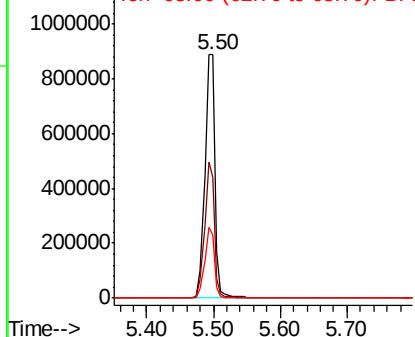
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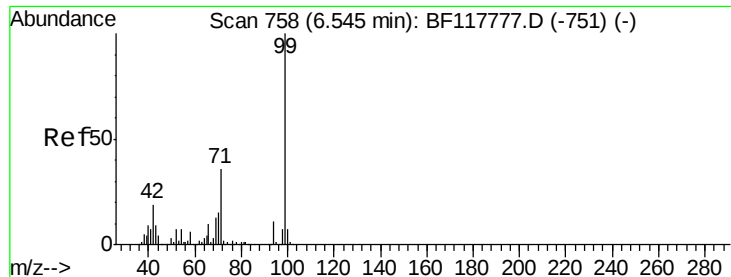
2-Fluorophenol
Concen: 113.435 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion:112 Resp: 920488
Ion Ratio Lower Upper
112 100
64 49.4 45.1 67.7
63 26.0 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: 120.199 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118091.D

Acq: 4 Dec 2019 17:32

Instrument :

BNA_F

ClientSampleId :

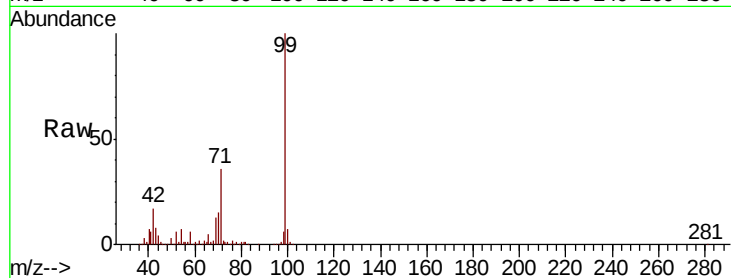
Tot Ion: 99 Resp: 1176458

Ion Ratio Lower Upper

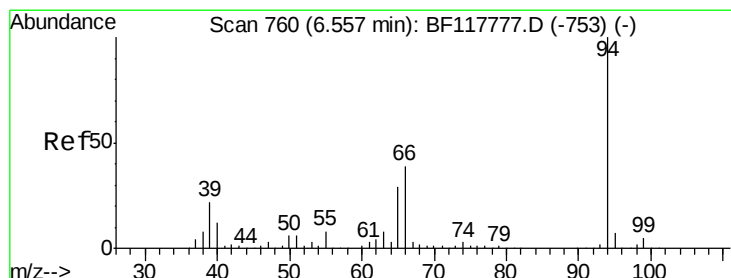
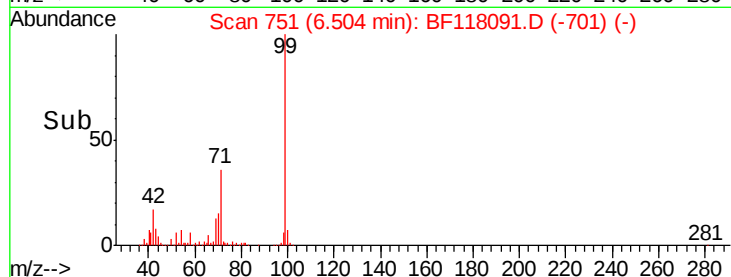
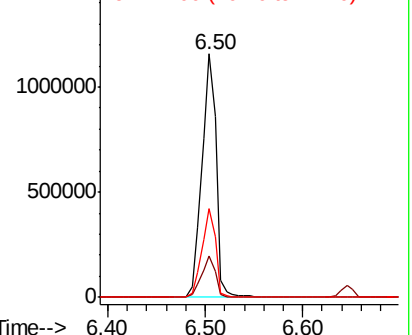
99 100

42 17.2 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: 3.427 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF118091.D

Acq: 4 Dec 2019 17:32

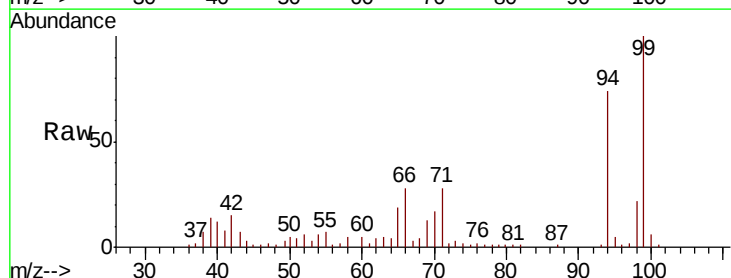
Tgt Ion: 94 Resp: 34855

Ion Ratio Lower Upper

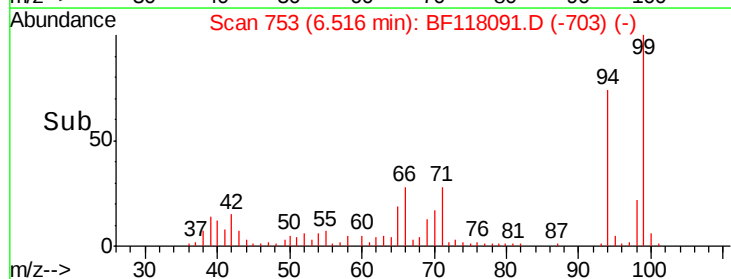
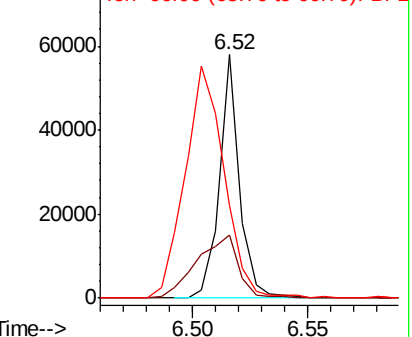
94 100

65 25.7 6.9 46.9

66 38.2 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

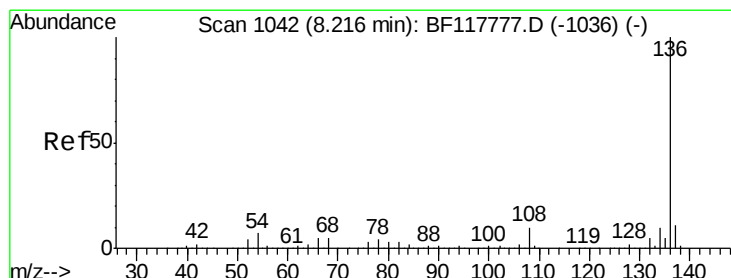
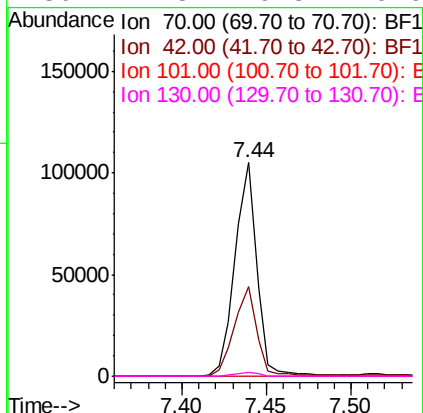
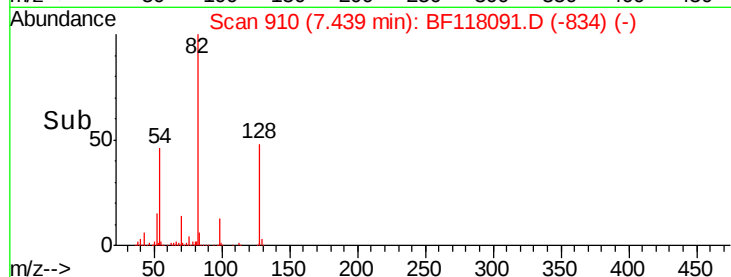
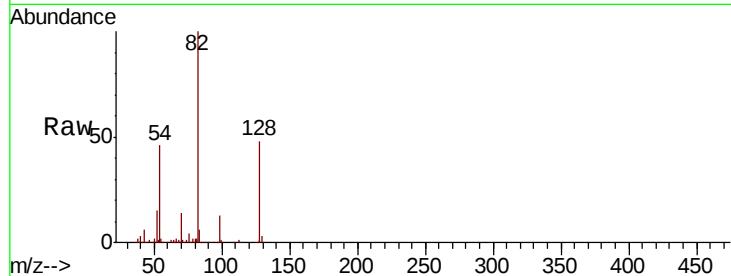




#19
n-Nitroso-di-n-propylamine
Concen: 15.682 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.15 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

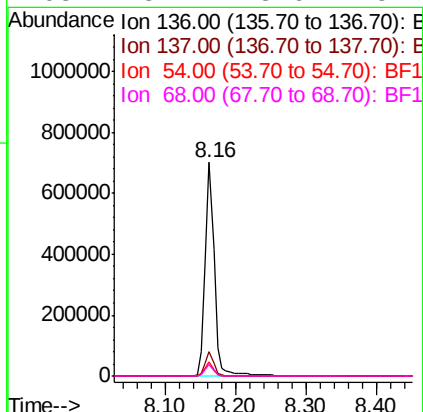
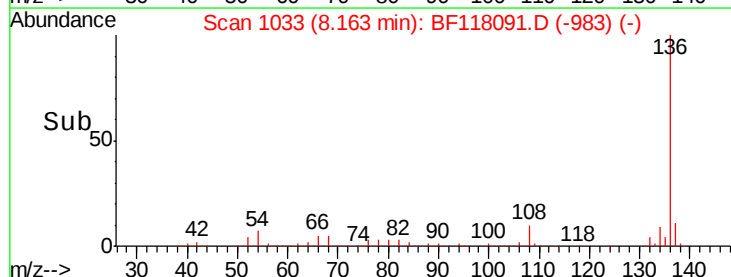
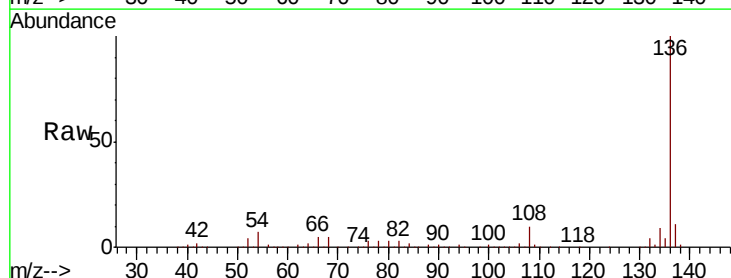
Instrument :
BNA_F
ClientSampleId :

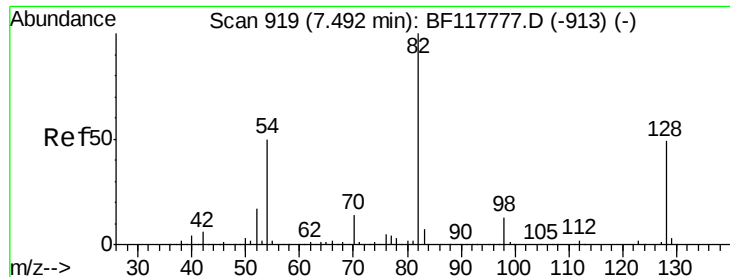
Tot Ion: 70 Resp: 94693
Ion Ratio Lower Upper
70 100
42 41.7 46.0 69.0#
101 0.0 8.8 13.2#
130 1.8 19.8 29.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion: 136 Resp: 632964
Ion Ratio Lower Upper
136 100
137 11.1 9.1 13.7
54 6.5 4.9 7.3
68 5.4 3.6 5.4#

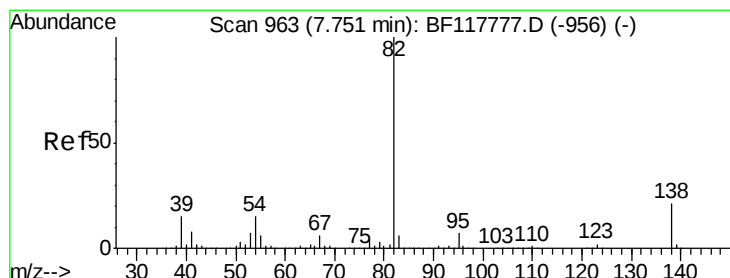
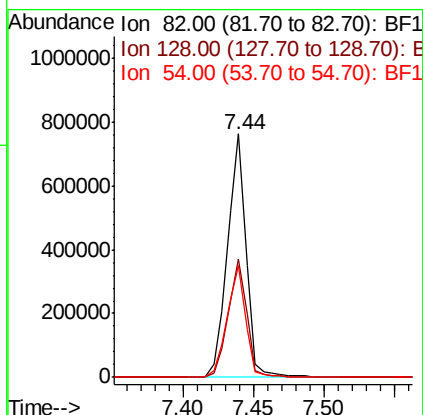
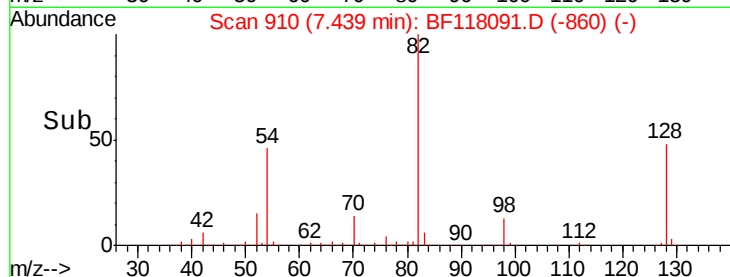
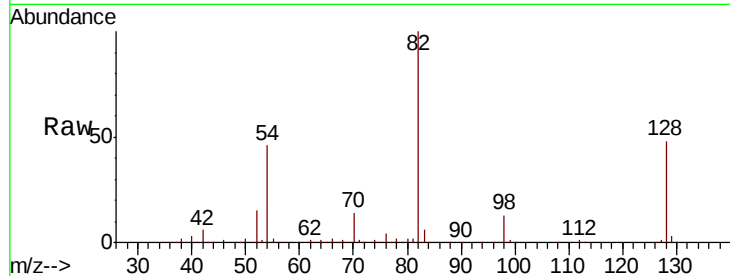




#23
Nitrobenzene-d5
Concen: 65.886 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

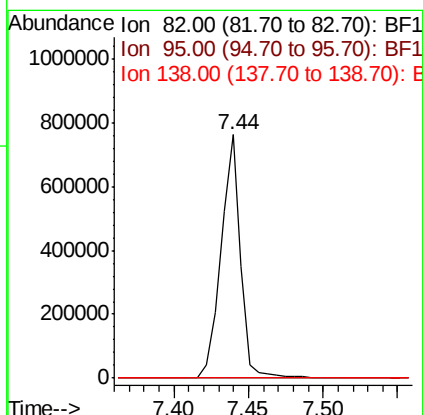
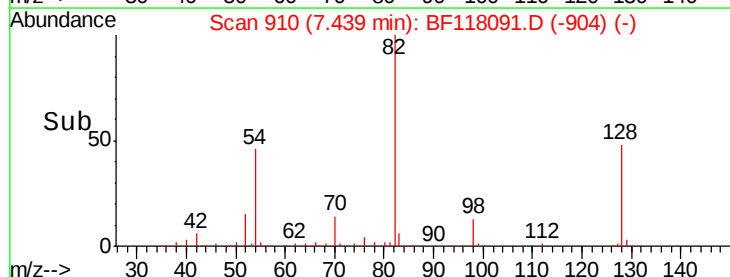
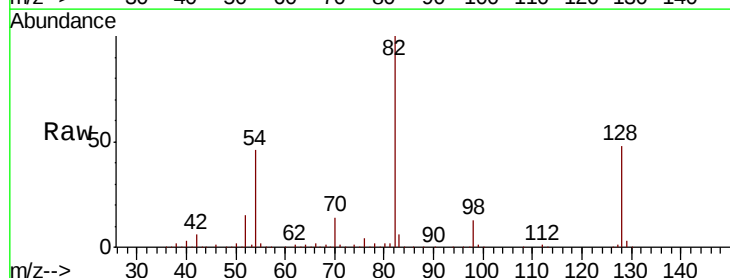
Instrument :
BNA_F
ClientSampleId :

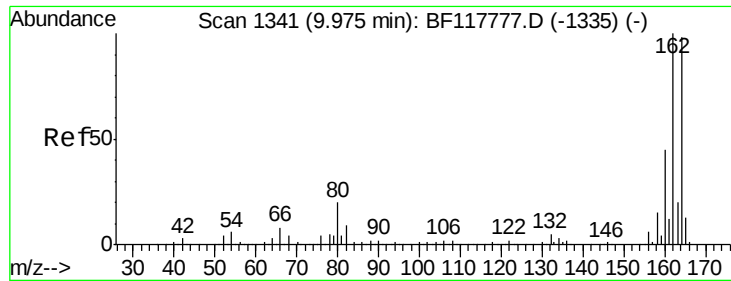
Tot Ion: 82 Resp: 701534
Ion Ratio Lower Upper
82 100
128 48.3 38.2 57.4
54 45.7 39.0 58.4



#25
Isophorone
Concen: 35.946 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion: 82 Resp: 701521
Ion Ratio Lower Upper
82 100
95 0.0 6.2 9.2#
138 0.0 15.9 23.9#

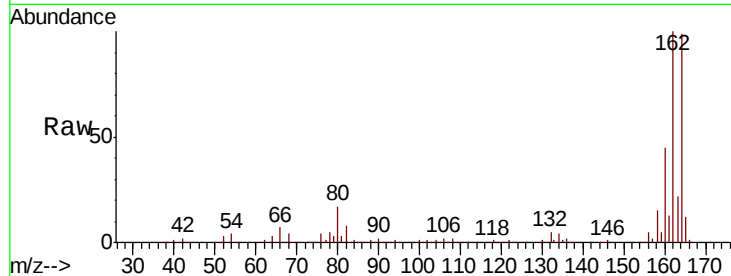




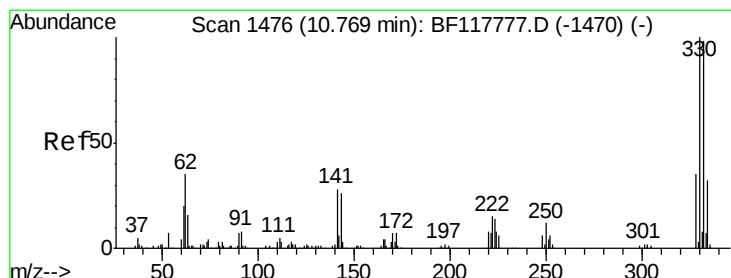
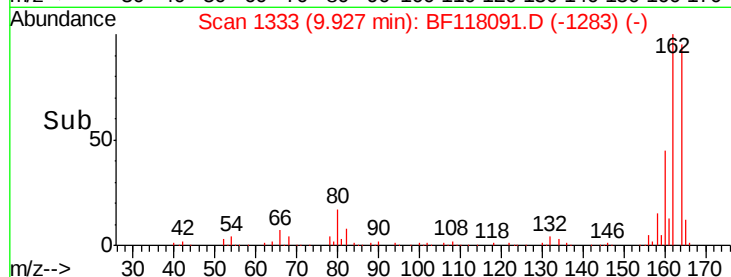
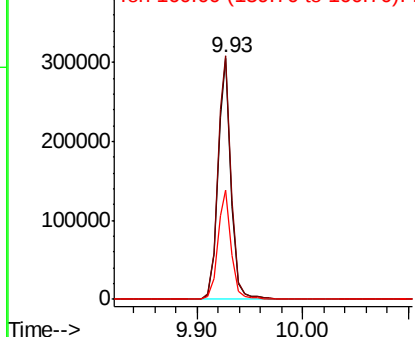
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.93 min Scan# 1333
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 268788
Ion Ratio Lower Upper
164 100
162 100.8 81.8 122.8
160 45.2 35.9 53.9

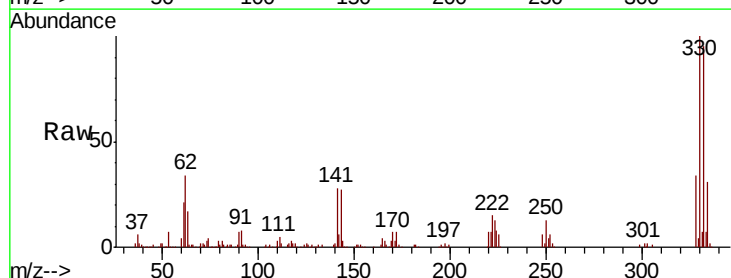


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

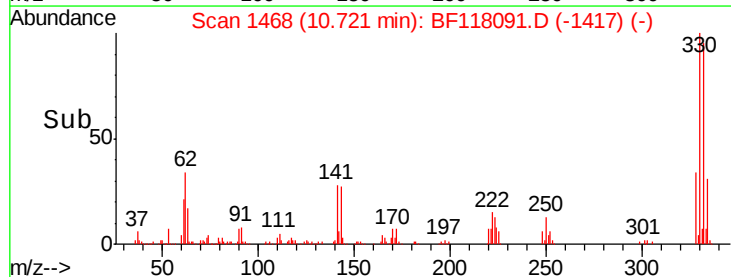
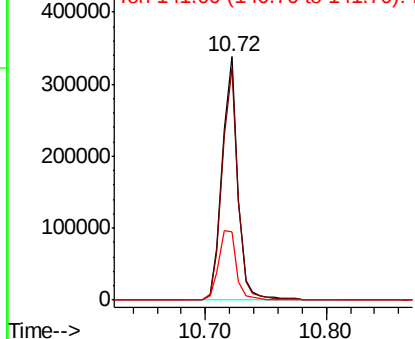


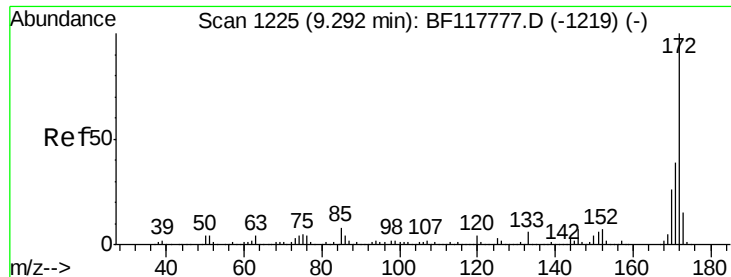
#42
2,4,6-Tribromophenol
Concen: 106.419 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.00 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion:330 Resp: 302830
Ion Ratio Lower Upper
330 100
332 96.4 78.3 117.5
141 32.4 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

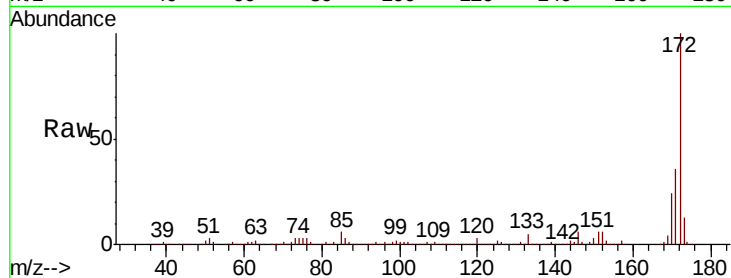




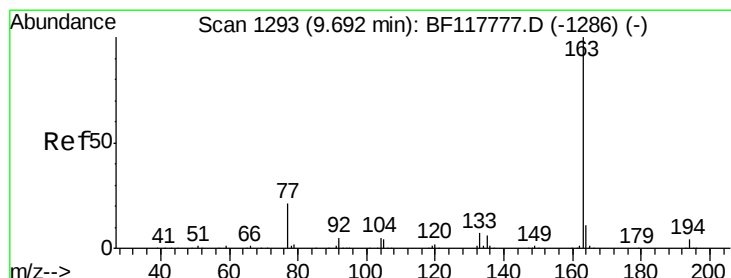
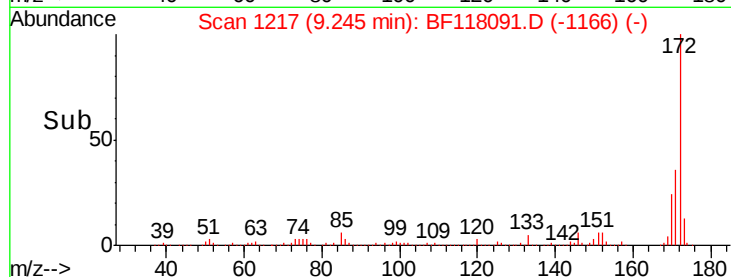
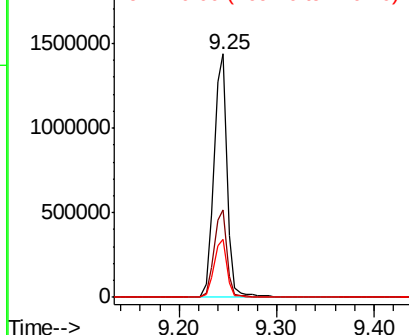
#45
2-Fluorobiphenyl
Concen: 90.021 ng
RT: 9.25 min Scan# 1217
Delta R.T. -0.00 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 1348723
Ion Ratio Lower Upper
172 100
171 36.0 29.2 43.8
170 24.0 19.3 28.9

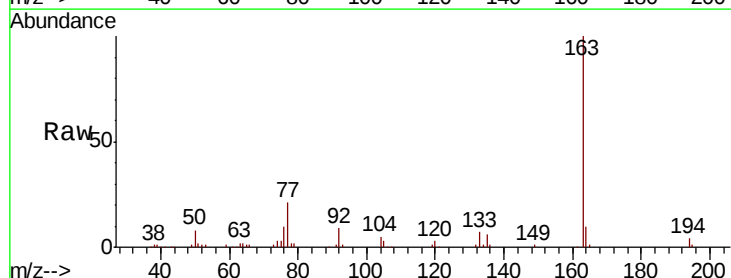


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

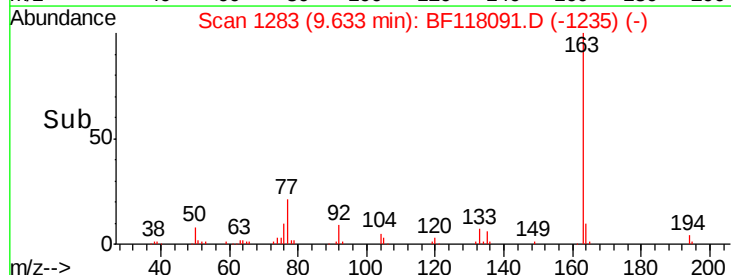
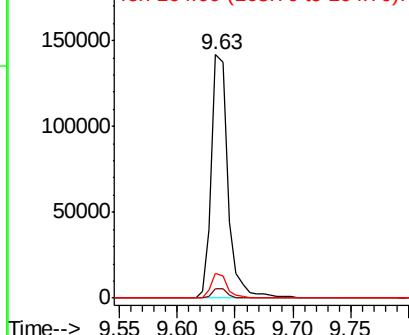


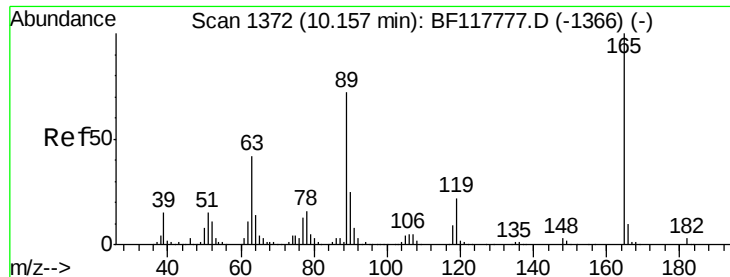
#50
Dimethylphthalate
Concen: 7.582 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion:163 Resp: 142912
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.1 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

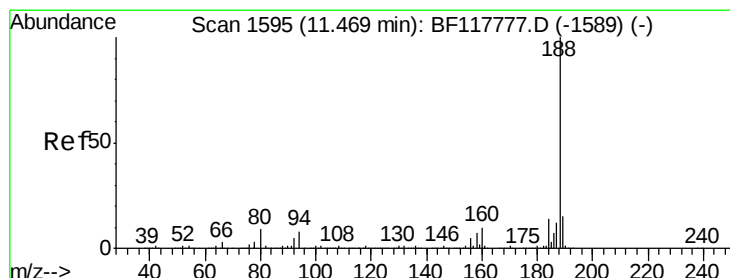
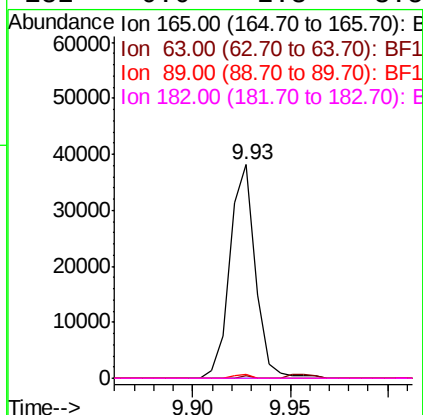
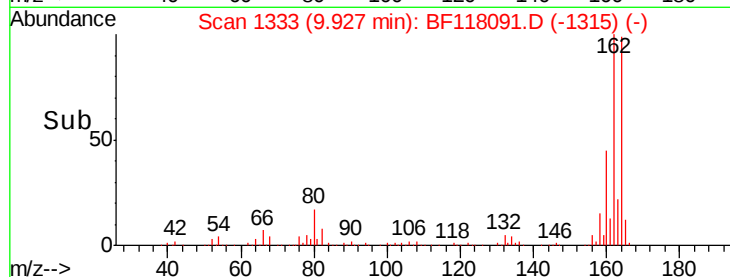
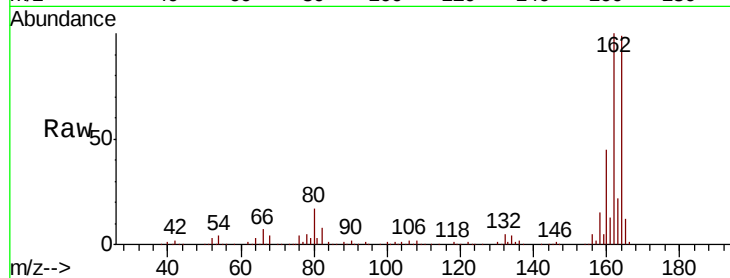




#57
 2,4-Dinitrotoluene
 Concen: 6.598 ng
 RT: 9.93 min Scan# 1333
 Delta R.T. -0.19 min
 Lab File: BF118091.D
 Acq: 4 Dec 2019 17:32

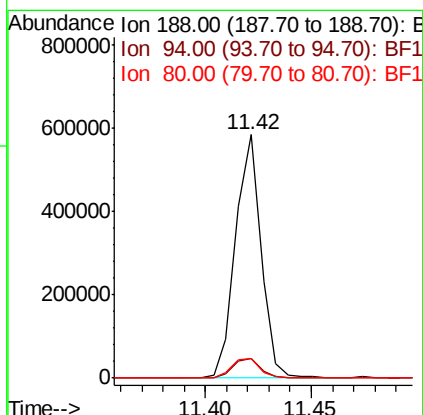
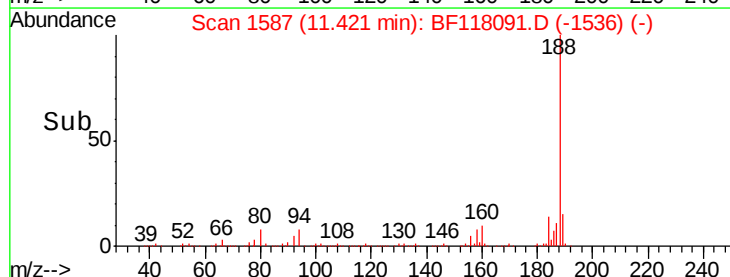
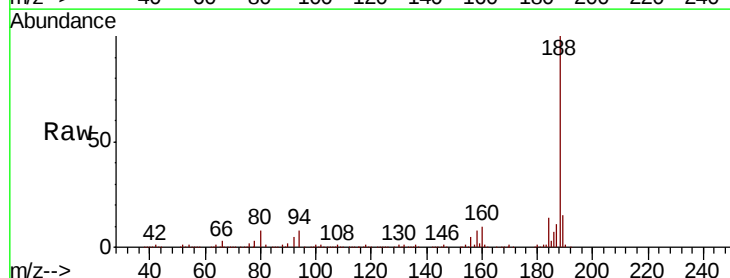
Instrument :
 BNA_F
 ClientSampleId :

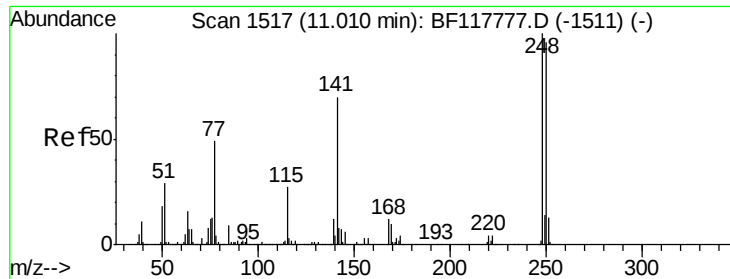
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	26.5	39.7#
89	1.5	47.2	70.8#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: BF118091.D
 Acq: 4 Dec 2019 17:32

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.3	7.0	10.6
80	8.2	7.2	10.8

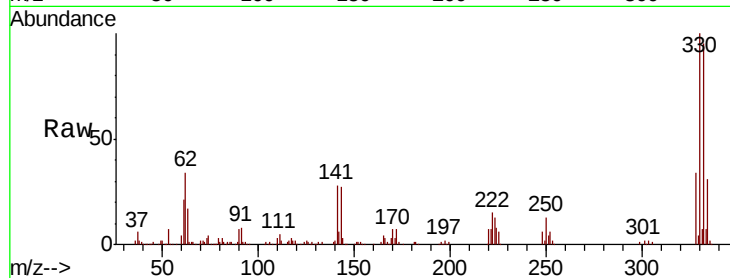




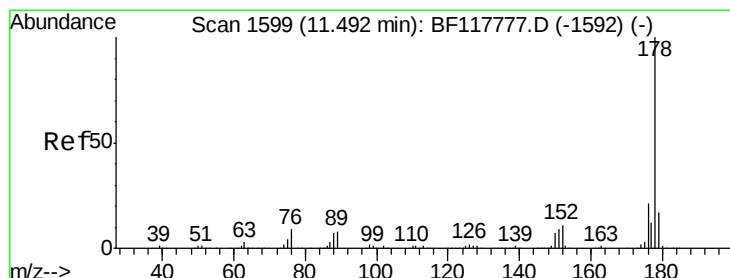
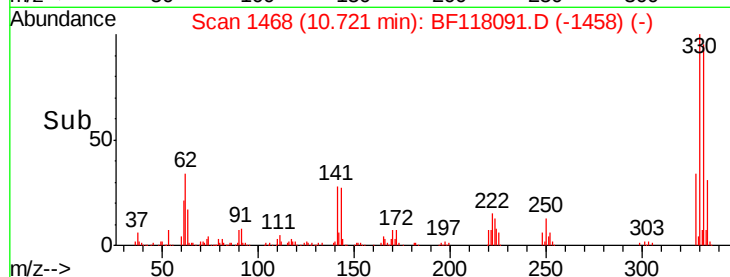
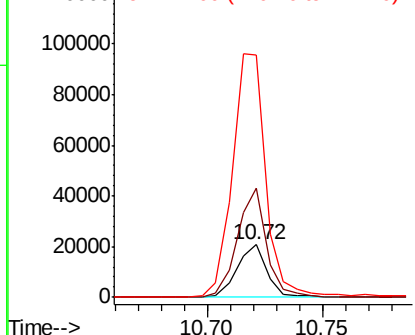
#67
4-Bromophenyl-phenylether
Concen: 3.541 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 18666
Ion Ratio Lower Upper
248 100
250 207.0 78.0 117.0#
141 461.4 64.0 96.0#

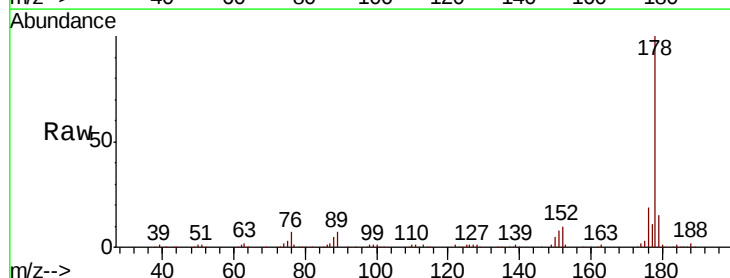


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

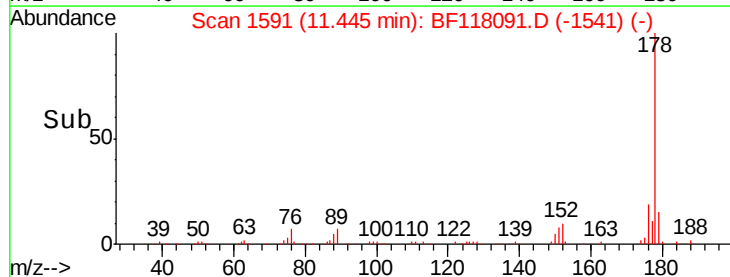
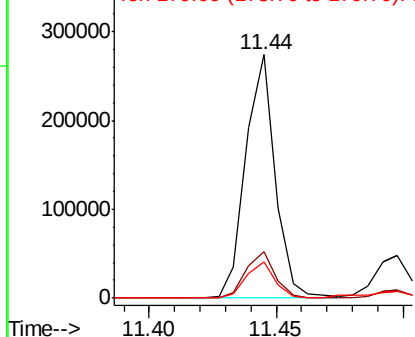


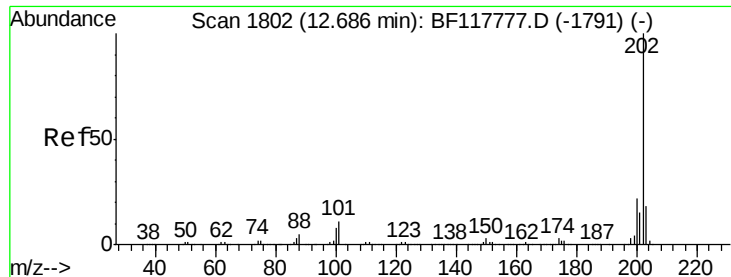
#71
Phenanthrene
Concen: 9.043 ng
RT: 11.44 min Scan# 1591
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion:178 Resp: 222112
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 14.9 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: 9.803 ng

RT: 12.64 min Scan# 1794

Delta R.T. -0.00 min

Lab File: BF118091.D

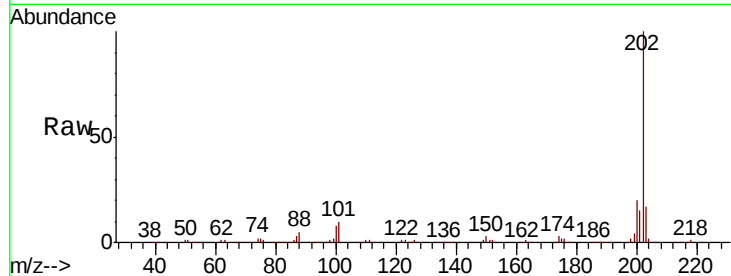
Acq: 4 Dec 2019 17:32

Instrument :

BNA_F

ClientSampleId :

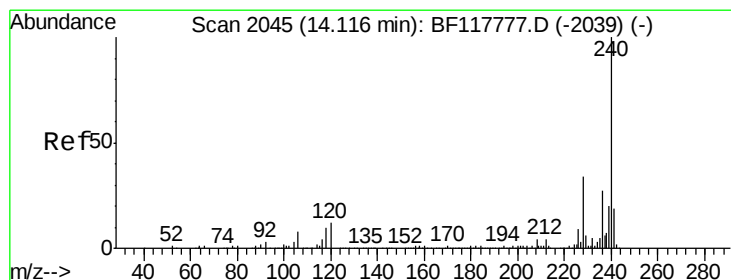
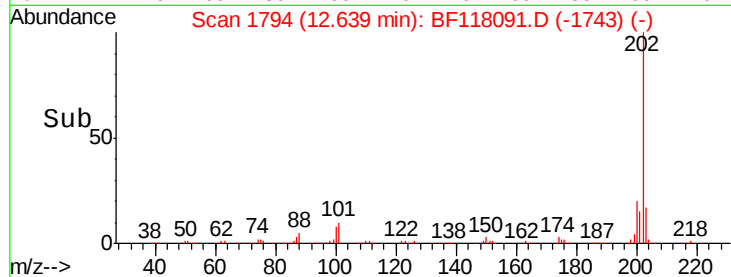
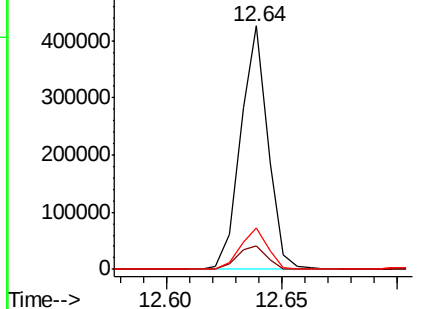
Tot Ion:	202	Resp:	350917
Ion Ratio	Lower	Upper	
202	100		
101	9.9	0.0	31.5
203	17.0	0.0	37.6



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

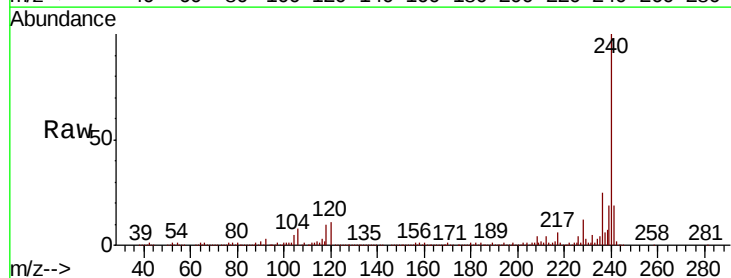
RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118091.D

Acq: 4 Dec 2019 17:32

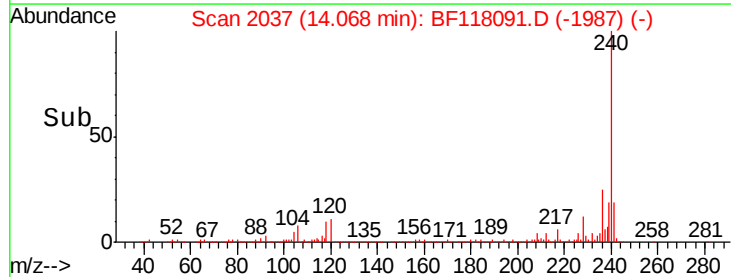
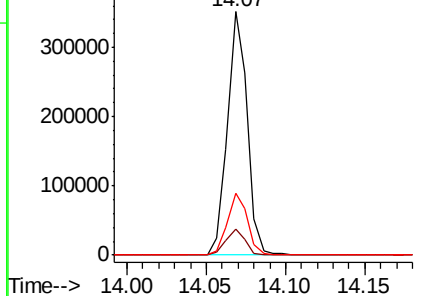
Tgt Ion:	240	Resp:	303475
Ion Ratio	Lower	Upper	
240	100		
120	10.9	8.4	12.6
236	25.4	20.6	31.0

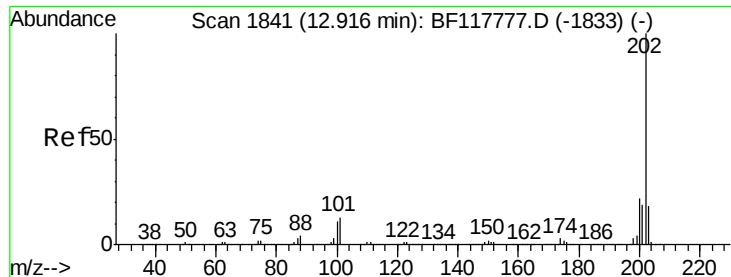


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

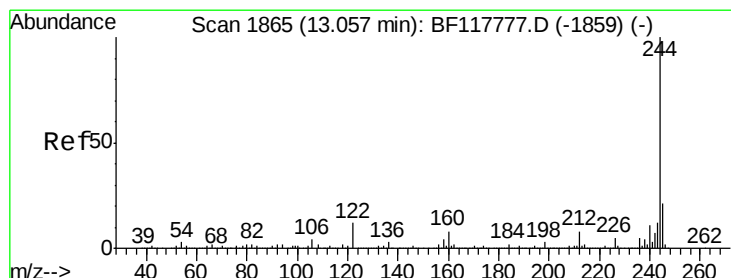
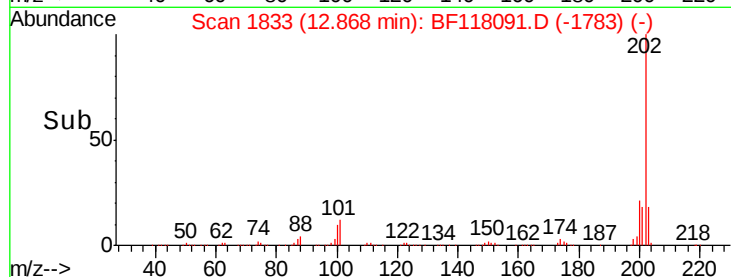
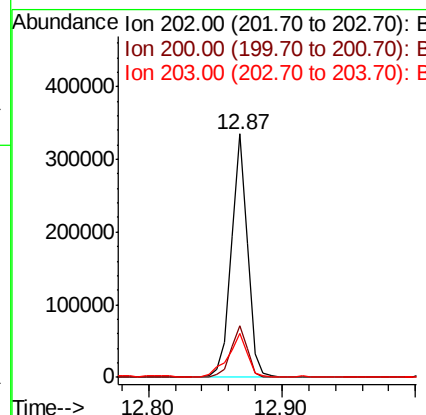
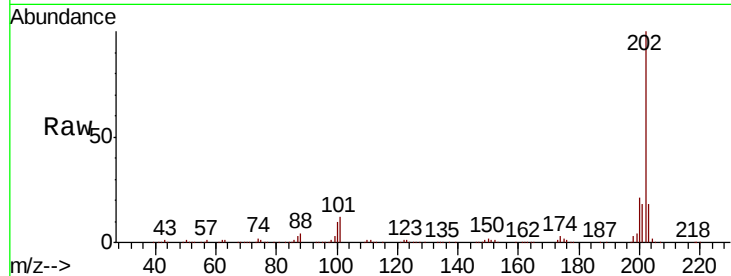




#78
Pvrene
Concen: 11.879 ng
RT: 12.87 min Scan# 1833
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

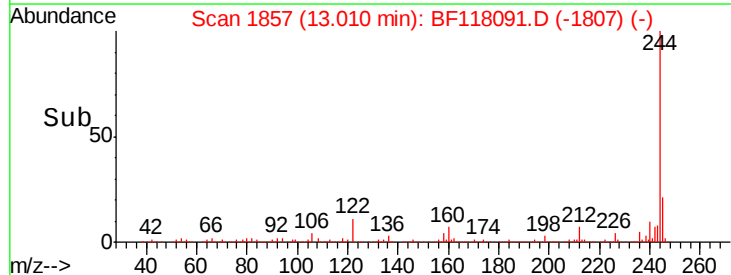
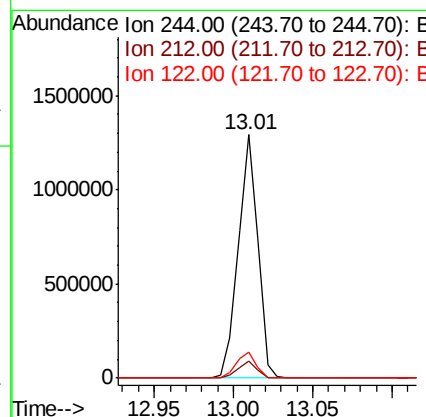
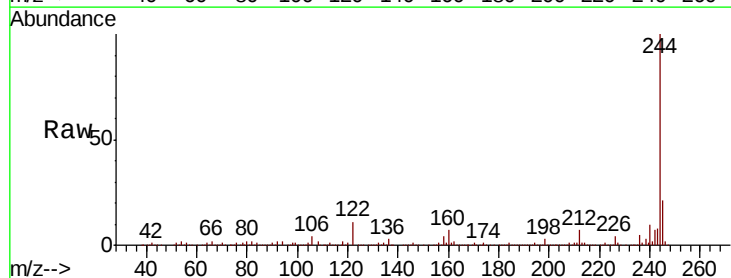
Instrument :
BNA_F
ClientSampleId :

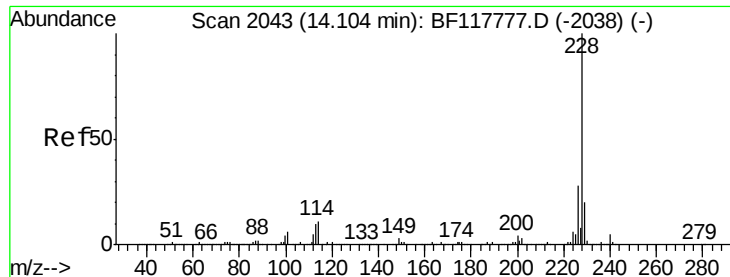
Tot Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.6
203	17.9	14.2	21.4



#79
Terphenyl-d14
Concen: 66.717 ng
RT: 13.01 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.2	7.8
122	10.9	7.2	10.8





#81

Benzo(a)anthracene

Concen: 7.345 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118091.D

Acq: 4 Dec 2019 17:32

Instrument :

BNA_F

ClientSampleId :

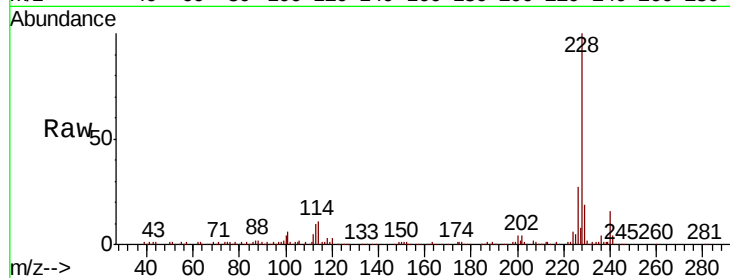
Tot Ion:228 Resp: 147292

Ion Ratio Lower Upper

228 100

226 26.8 21.9 32.9

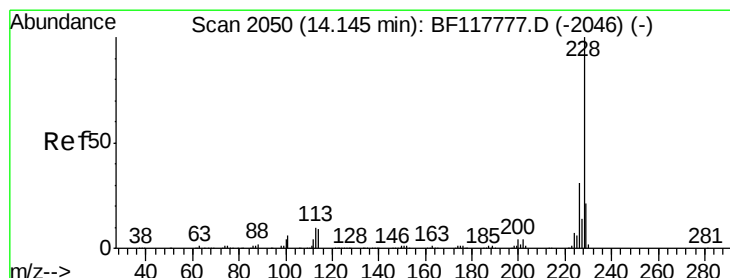
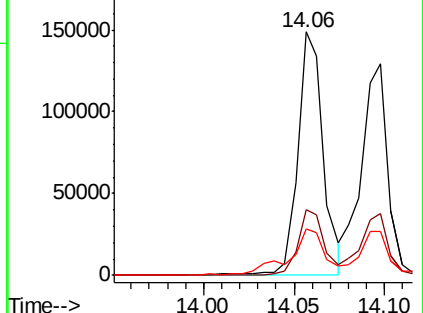
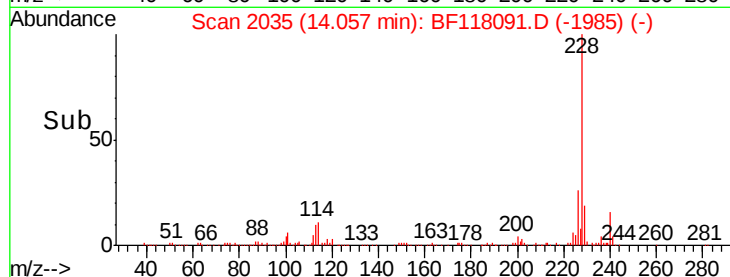
229 19.2 16.2 24.2



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: 6.815 ng

RT: 14.10 min Scan# 2042

Delta R.T. -0.01 min

Lab File: BF118091.D

Acq: 4 Dec 2019 17:32

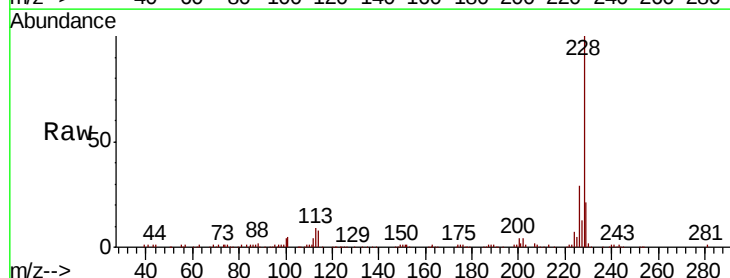
Tgt Ion:228 Resp: 132437

Ion Ratio Lower Upper

228 100

226 29.0 23.6 35.4

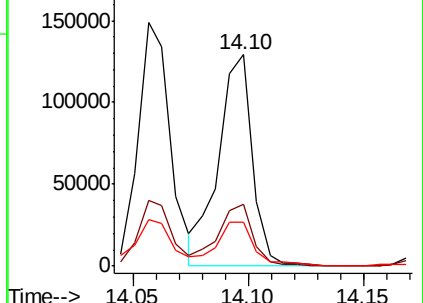
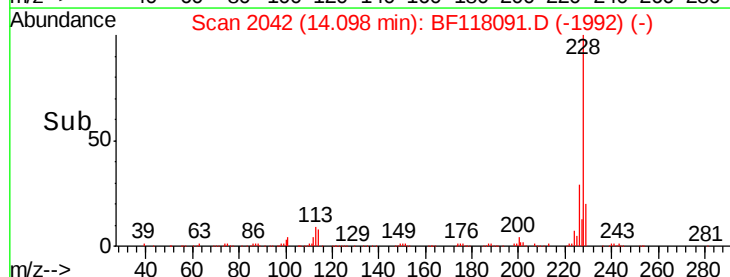
229 20.8 16.2 24.2

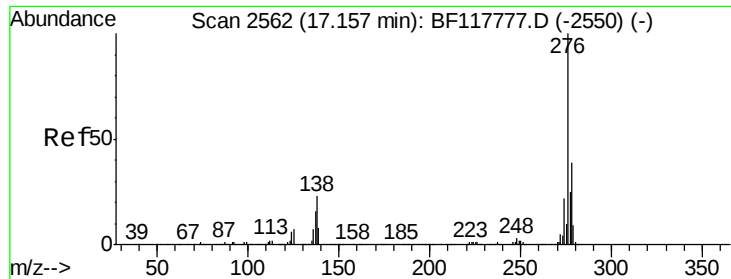


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

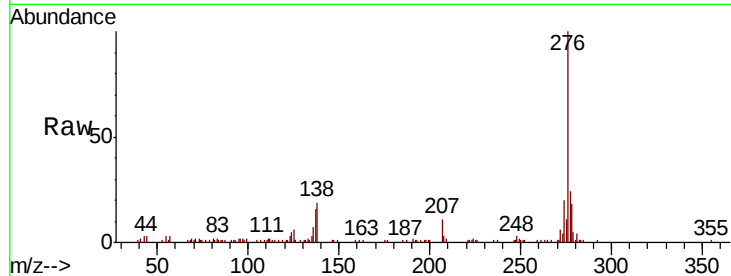




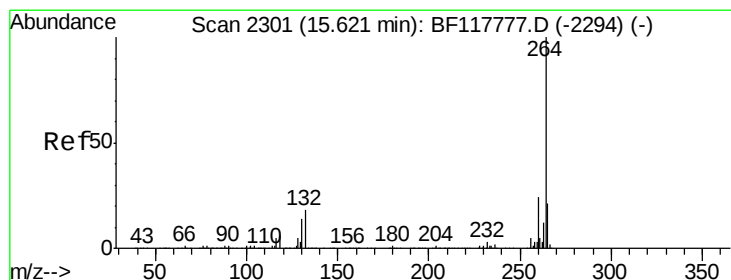
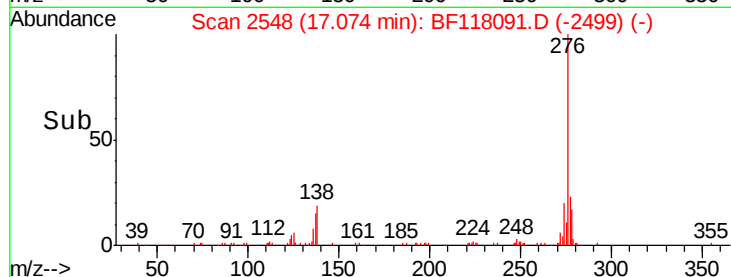
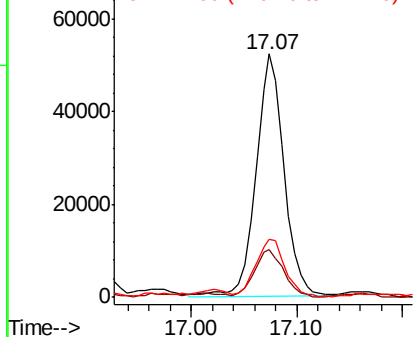
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 5.807 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF118091.D
 Acq: 4 Dec 2019 17:32

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:276 Resp: 96036
 Ion Ratio Lower Upper
 276 100
 138 20.8 19.0 28.6
 277 25.5 20.7 31.1

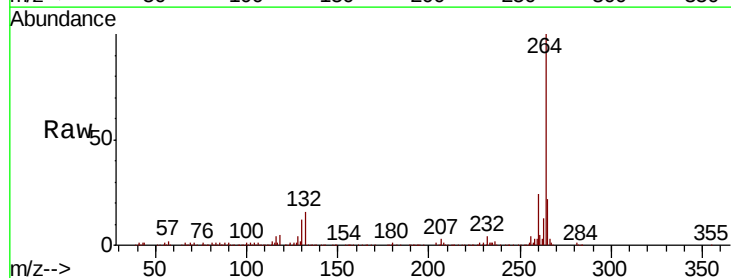


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

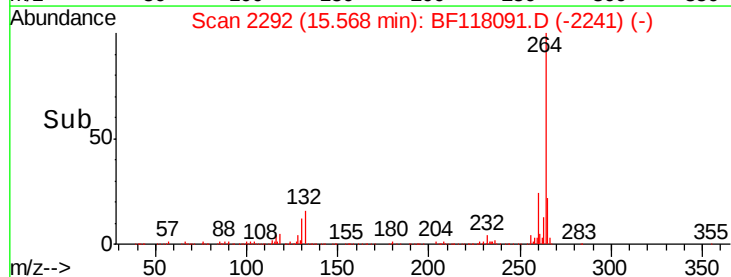
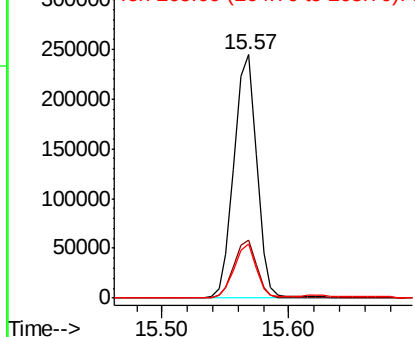


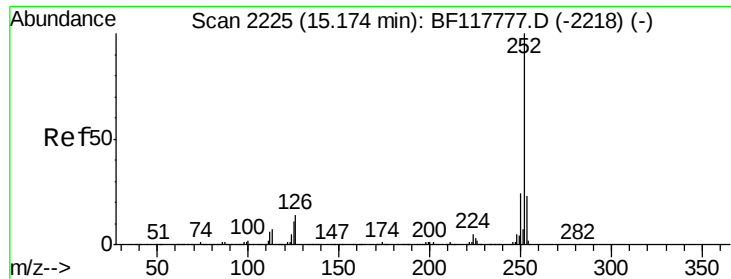
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.57 min Scan# 2292
 Delta R.T. -0.00 min
 Lab File: BF118091.D
 Acq: 4 Dec 2019 17:32

Tgt Ion:264 Resp: 305701
 Ion Ratio Lower Upper
 264 100
 260 24.1 19.0 28.6
 265 22.1 16.4 24.6



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

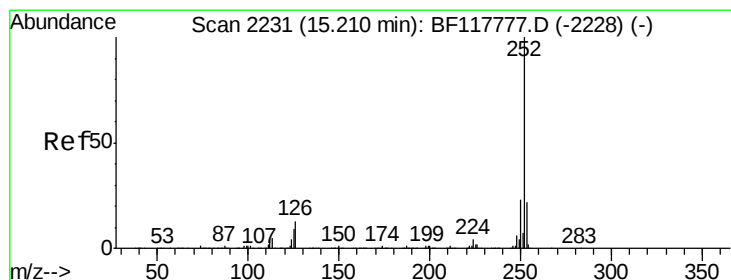
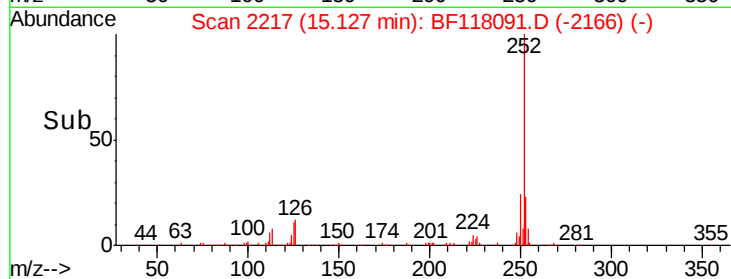
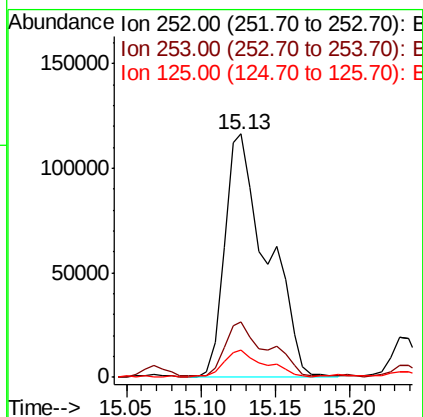
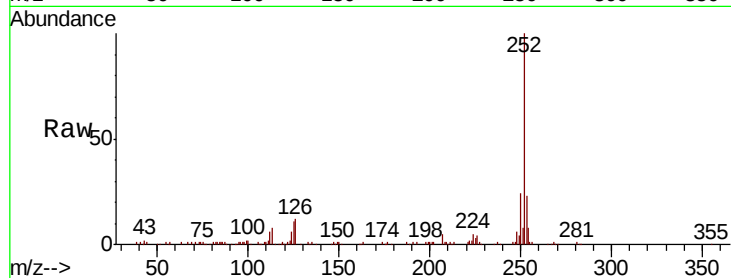




#88
Benzo(b)fluoranthene
Concen: 11.634 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.00 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

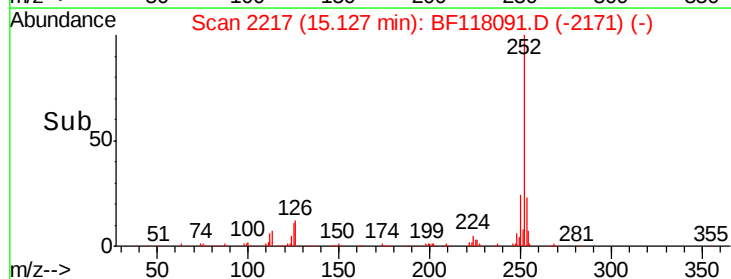
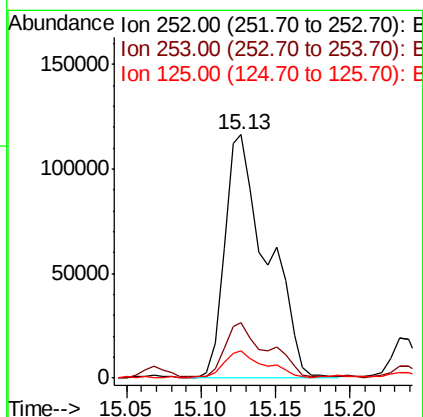
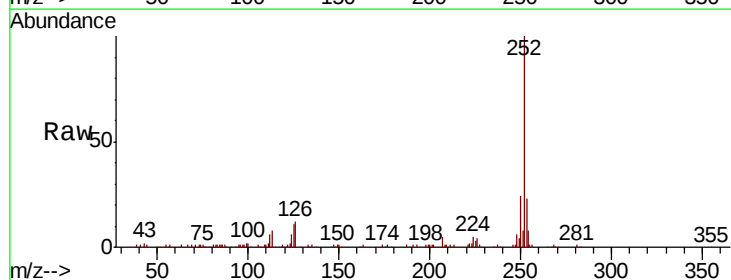
Instrument :
BNA_F
ClientSampleId :

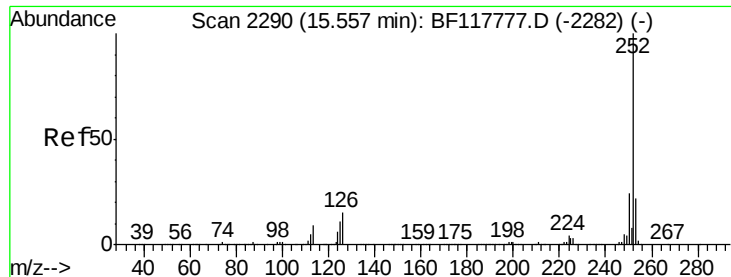
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.9	18.1	27.1
125	11.2	7.7	11.5



#89
Benzo(k)fluoranthene
Concen: 12.347 ng
RT: 15.13 min Scan# 2217
Delta R.T. -0.03 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.3	25.9
125	11.2	8.5	12.7

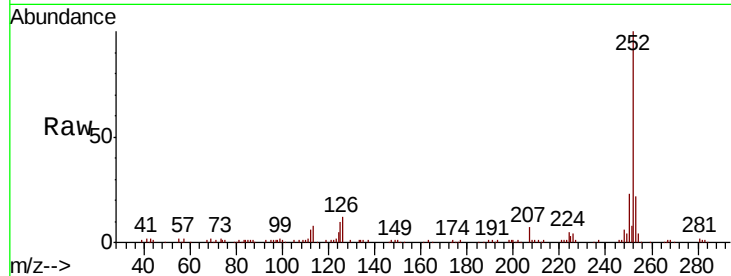




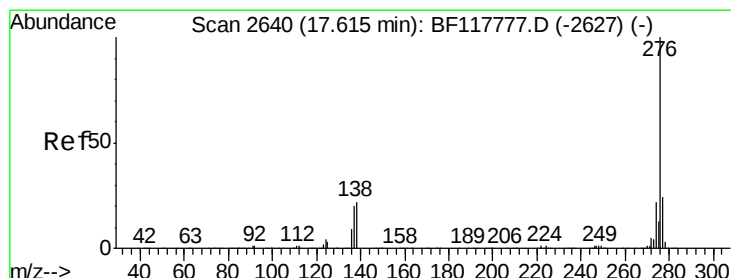
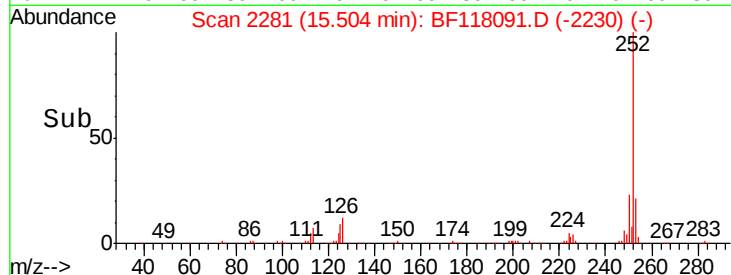
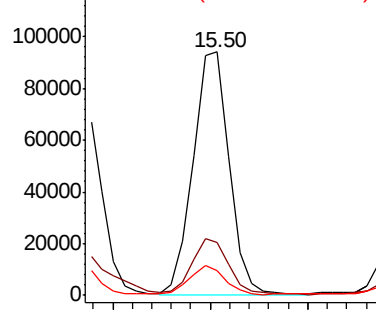
#90
Benzo(a)pyrene
Concen: 6.929 ng
RT: 15.50 min Scan# 2281
Delta R.T. -0.00 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Instrument :
BNA_F
ClientSampleId :

Tot Ion:252 Resp: 121011
Ion Ratio Lower Upper
252 100
253 21.6 17.1 25.7
125 10.1 8.9 13.3

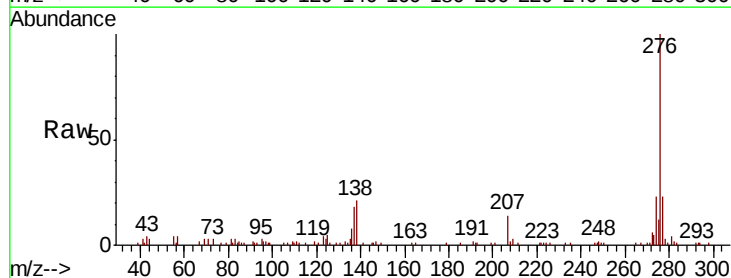


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#92
Benzo(g,h,i)perylene
Concen: 5.970 ng
RT: 17.53 min Scan# 2626
Delta R.T. -0.01 min
Lab File: BF118091.D
Acq: 4 Dec 2019 17:32

Tgt Ion:276 Resp: 89382
Ion Ratio Lower Upper
276 100
277 22.9 19.0 28.4
138 20.6 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

