

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF123019\
 Data File : BF118388.D
 Acq On : 30 Dec 2019 18:37
 Operator : JU
 Sample : K6441-07
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

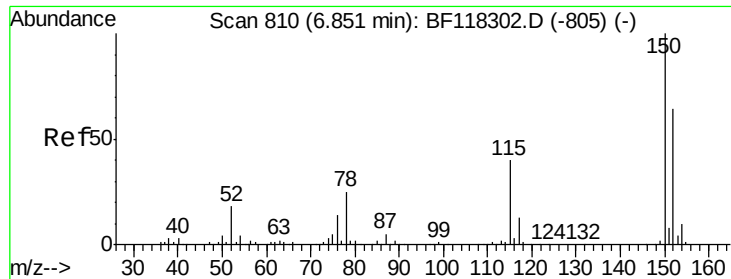
Quant Time: Dec 31 00:39:55 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF122419.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 24 15:58:52 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	131013	20.00	ng	0.00
21) Naphthalene-d8	8.14	136	528047	20.00	ng	0.00
39) Acenaphthene-d10	9.90	164	288630	20.00	ng	0.00
64) Phenanthrene-d10	11.39	188	535899	20.00	ng	0.00
76) Chrysene-d12	14.05	240	323643	20.00	ng	0.00
87) Perylene-d12	15.54	264	339997	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.47	112	701465	91.39	ng	0.00
7) Phenol-d6	6.49	99	891911	93.68	ng	0.00
23) Nitrobenzene-d5	7.42	82	539055	58.39	ng	0.00
42) 2,4,6-Tribromophenol	10.70	330	319604	89.67	ng	0.00
45) 2-Fluorobiphenyl	9.22	172	1135997	60.08	ng	0.00
79) Terphenyl-d14	12.99	244	1313073	67.31	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.42	70	70368	11.997	ng	# 78
25) Isophorone	7.42	82	539052	33.502	ng	# 62
32) Benzoic acid	7.95	122	107	5.694	ng	# 82
50) Dimethylphthalate	9.62	163	97465	4.499	ng	100
51) 2,6-Dinitrotoluene	9.90	165	38493	8.241	ng	# 26
56) 4-Nitrophenol	10.11	139	13087	3.867	ng	# 6
57) 2,4-Dinitrotoluene	9.90	165	38494	6.168	ng	# 29
67) 4-Bromophenyl-phenylether	10.69	248	19859	3.167	ng	# 1
71) Phenanthrene	11.42	178	749768	25.664	ng	99
72) Anthracene	11.47	178	195554	6.687	ng	98
75) Fluoranthene	12.62	202	1018395	34.541	ng	97
77) Benzidine	12.99	184	17800	2.007	ng	# 90
78) Pvrene	12.84	202	877353	33.197	ng	99
81) Benzo(a)anthracene	14.04	228	391697	17.290	ng	99
83) Chrysene	14.07	228	326625	15.058	ng	97
86) Indeno(1,2,3-cd)pyrene	17.05	276	193301	10.459	ng	94
88) Benzo(b)fluoranthene	15.10	252	545859	24.186	ng	99
89) Benzo(k)fluoranthene	15.10	252	545859	25.189	ng	99
90) Benzo(a)pvrene	15.48	252	296320	14.904	ng	98
92) Benzo(a,h,i)perylene	17.51	276	180673	10.841	ng	98

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

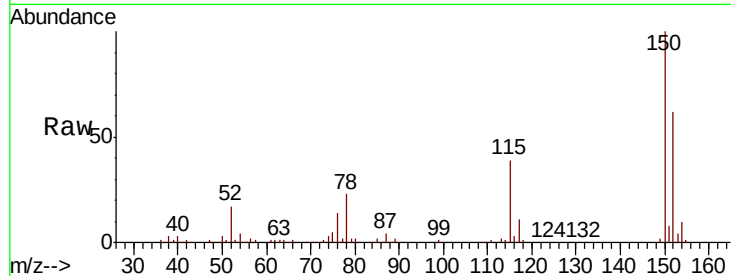


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 810
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.6	125.4	188.2
115	61.9	50.2	75.4

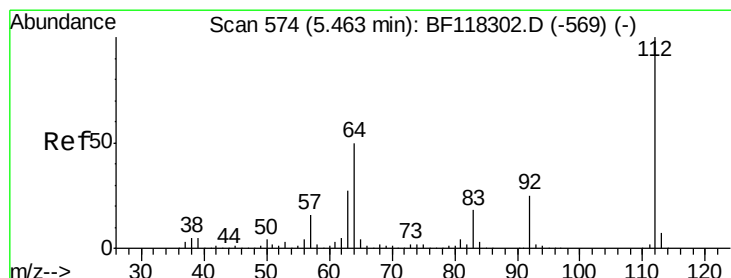
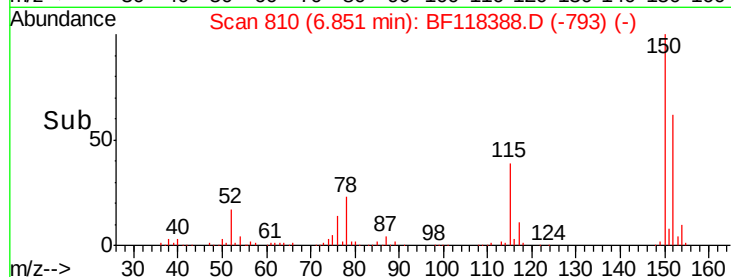
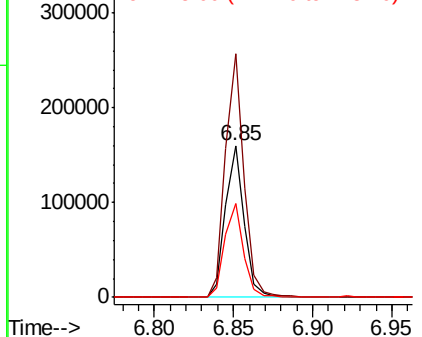


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

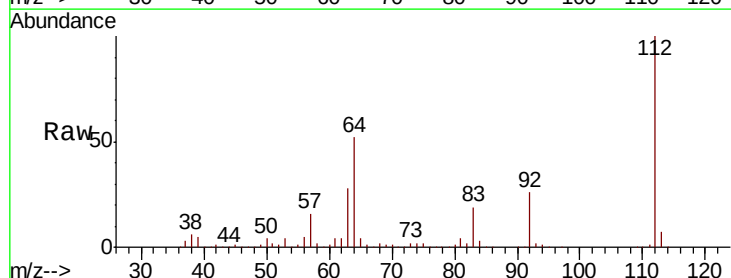
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 91.395 ng
RT: 5.47 min Scan# 575
Delta R.T. 0.01 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Tgt Ion	Ratio	Lower	Upper
112	100		
64	52.3	39.7	59.5
63	28.3	21.7	32.5

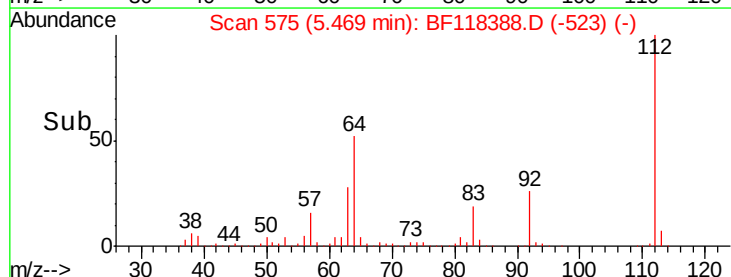
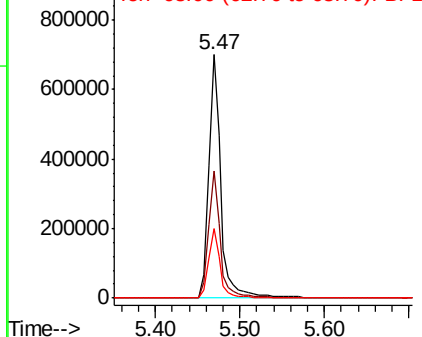


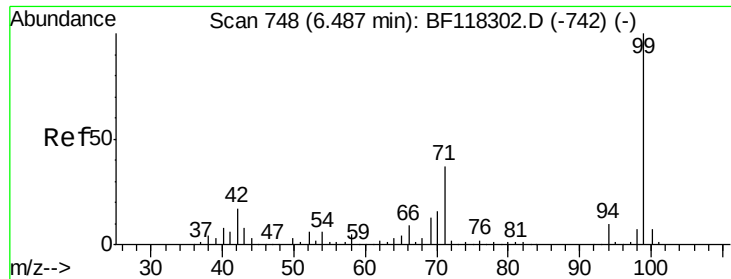
Abundance

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: 93.677 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.00 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

Instrument :

BNA_F

ClientSampleId :

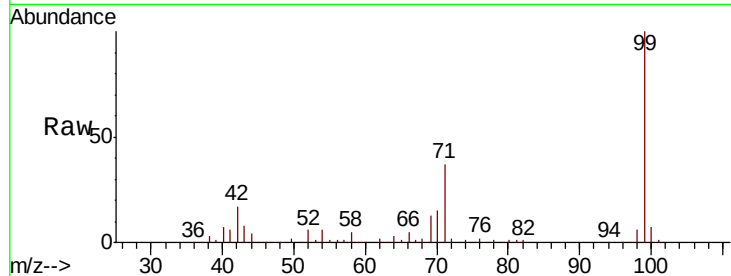
Tot Ion: 99 Resp: 891911

Ion Ratio Lower Upper

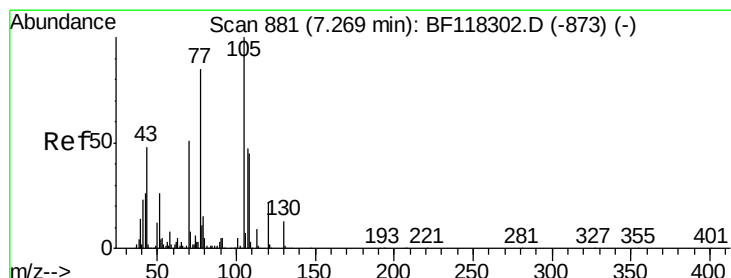
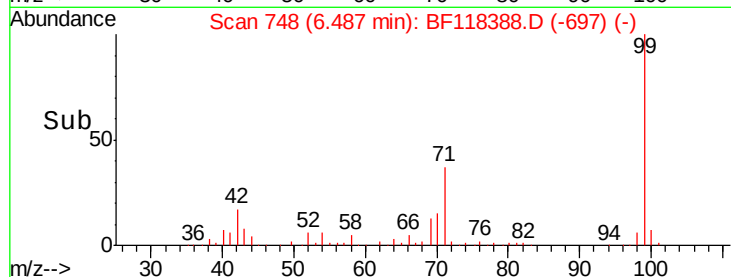
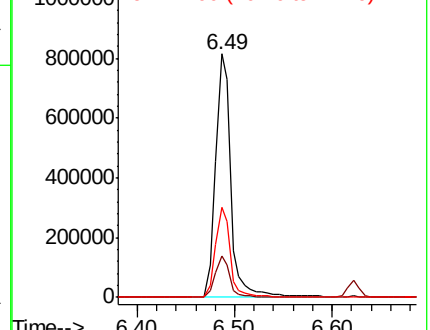
99 100

42 17.2 13.5 20.3

71 37.2 29.4 44.2



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.997 ng

RT: 7.42 min Scan# 906

Delta R.T. 0.15 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

Tgt Ion: 70 Resp: 70368

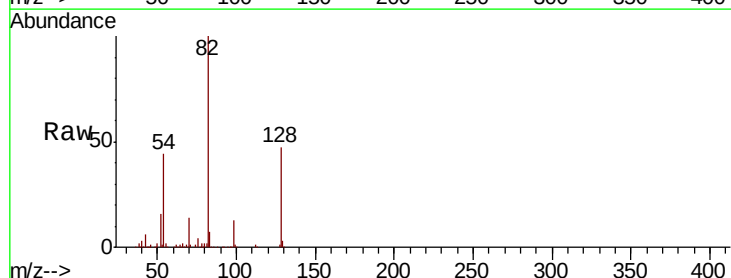
Ion Ratio Lower Upper

70 100

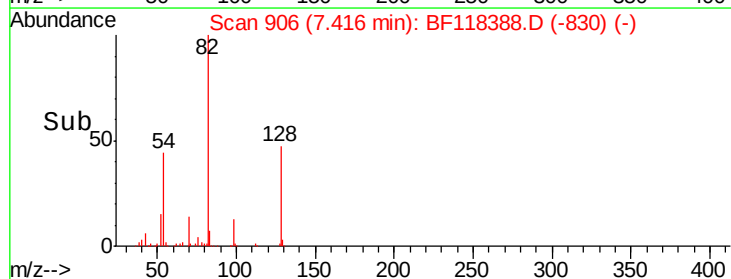
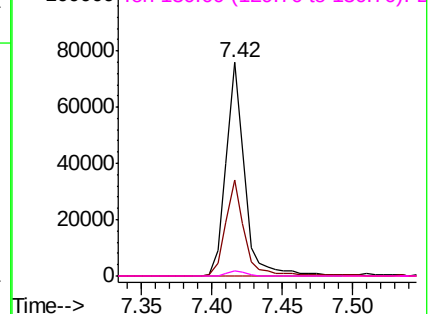
42 45.1 41.1 61.7

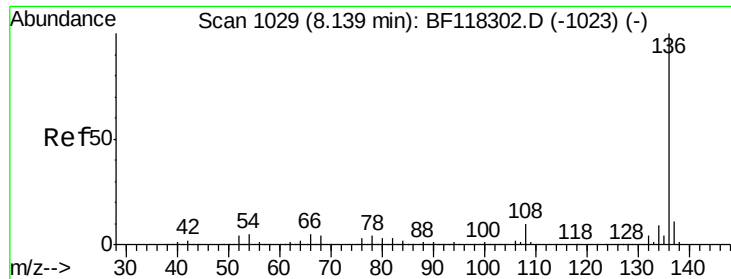
101 0.0 8.3 12.5#

130 2.3 20.1 30.1#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

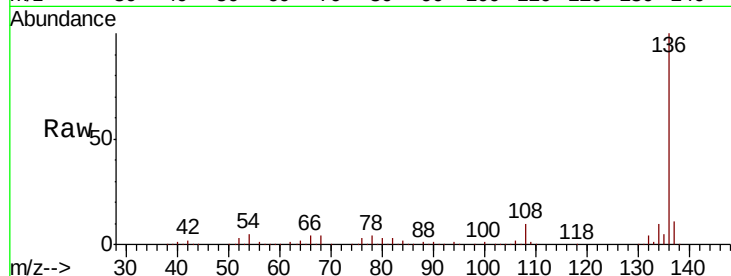




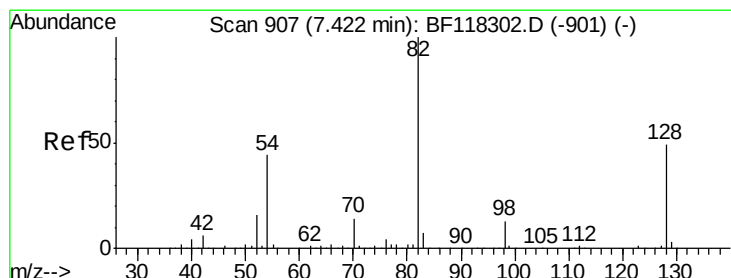
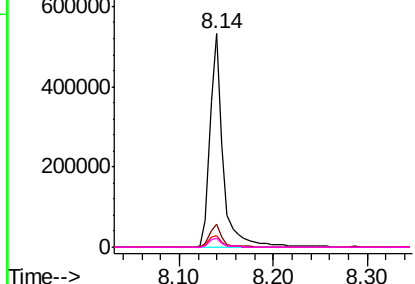
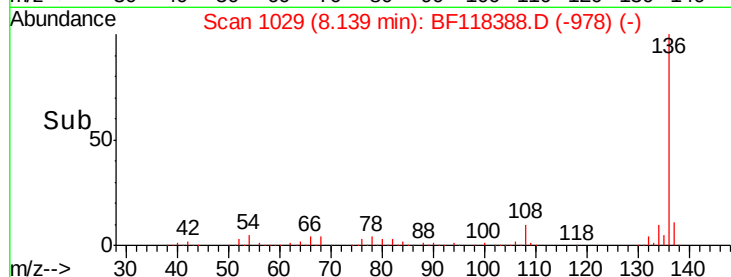
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.14 min Scan# 1029
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	528047
Ion Ratio	Lower	Upper
136	100	
137	10.9	8.9 13.3
54	5.2	4.2 6.4
68	4.2	3.5 5.3

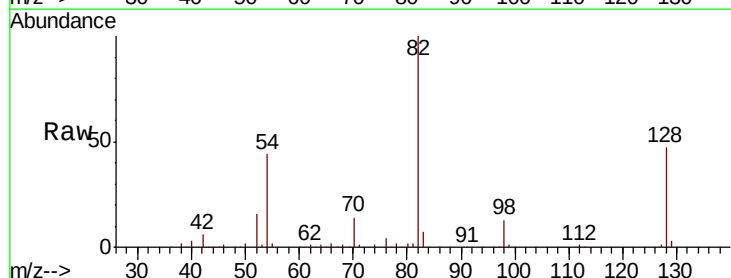


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

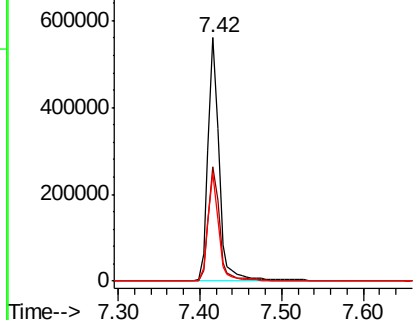
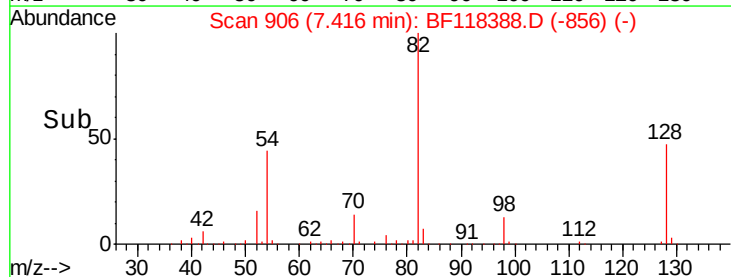


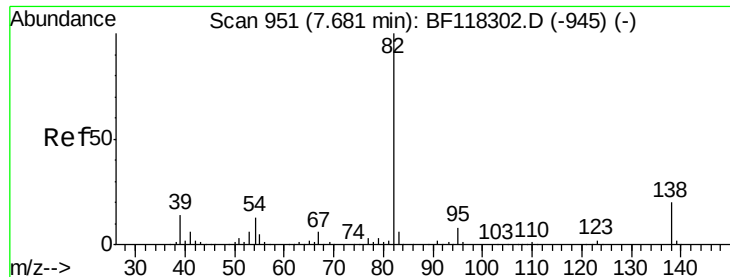
#23
Nitrobenzene-d5
Concen: 58.387 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.01 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Tgt Ion: 82	Resp:	539055
Ion Ratio	Lower	Upper
82	100	
128	46.9	39.6 59.4
54	44.4	34.9 52.3



Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 33.502 ng

RT: 7.42 min Scan# 906

Delta R.T. -0.26 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

Instrument :

BNA_F

ClientSampleId :

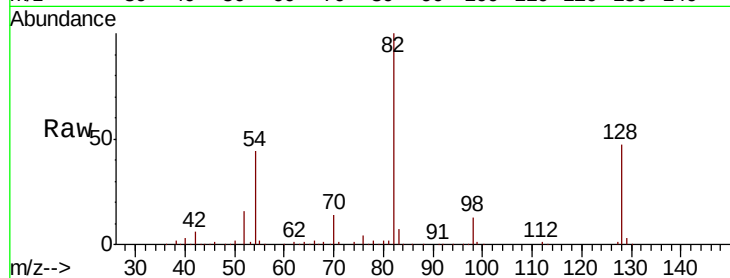
Tot Ion: 82 Resp: 539052

Ion Ratio Lower Upper

82 100

95 0.0 6.3 9.5#

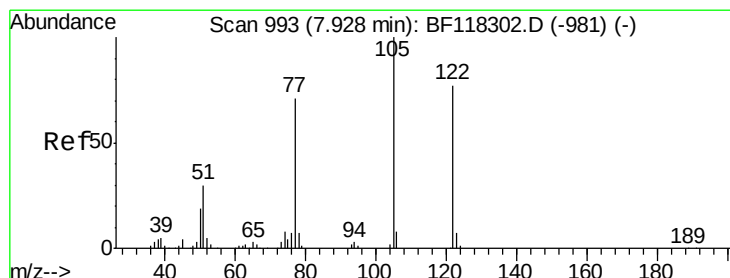
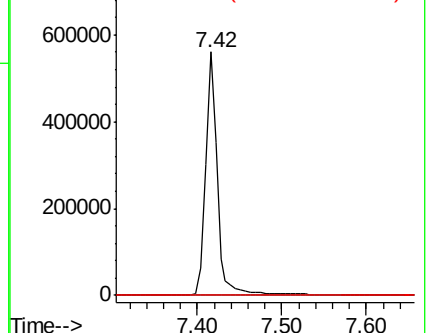
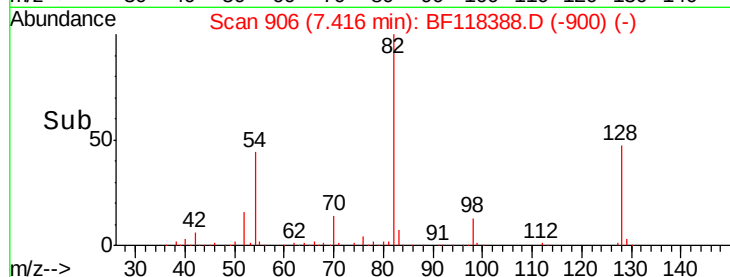
138 0.0 16.2 24.2#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#32

Benzoic acid

Concen: 5.694 ng

RT: 7.95 min Scan# 997

Delta R.T. 0.02 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

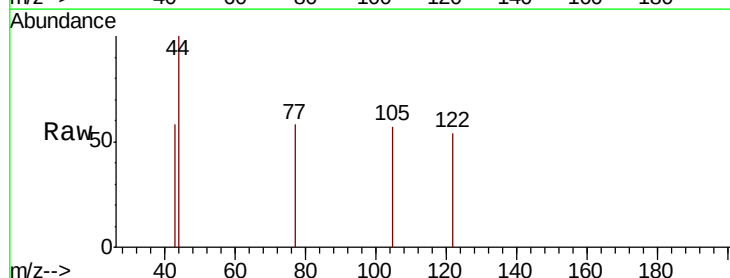
Tgt Ion: 122 Resp: 107

Ion Ratio Lower Upper

122 100

105 105.6 106.8 146.8#

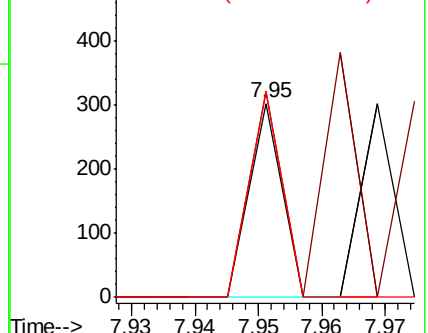
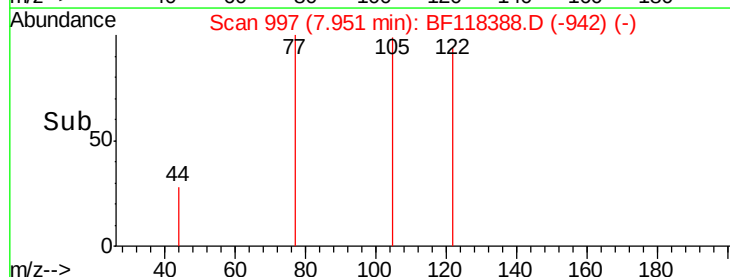
77 106.6 70.4 110.4

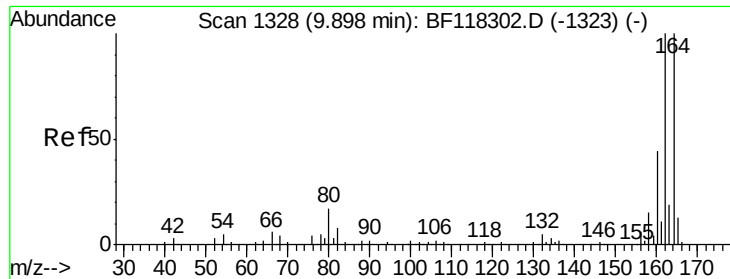


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 77.00 (76.70 to 77.70): BF1

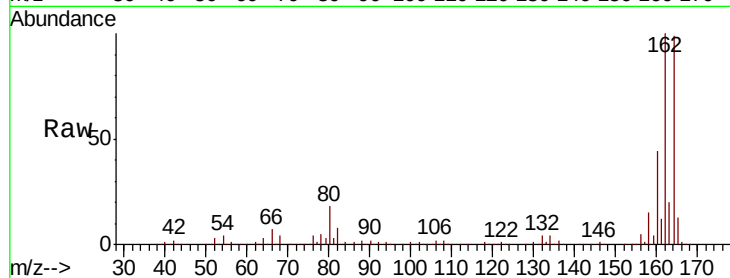




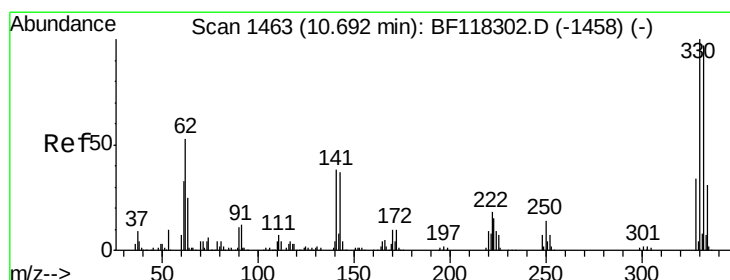
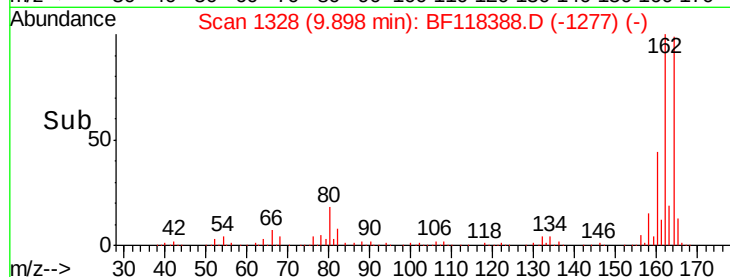
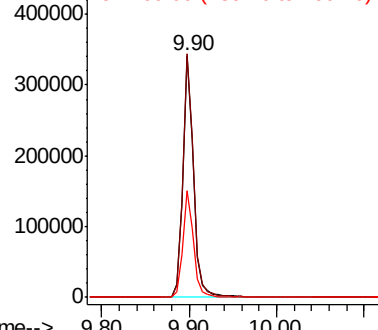
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 288630
Ion Ratio Lower Upper
164 100
162 101.0 80.0 120.0
160 44.3 34.8 52.2

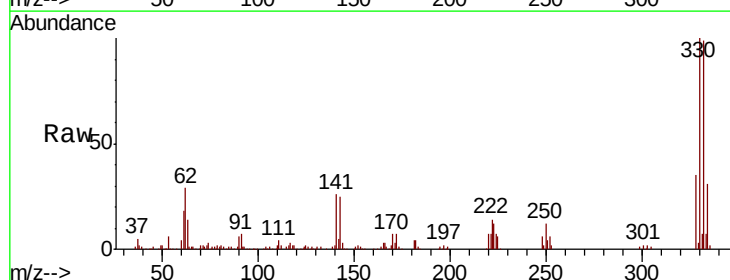


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

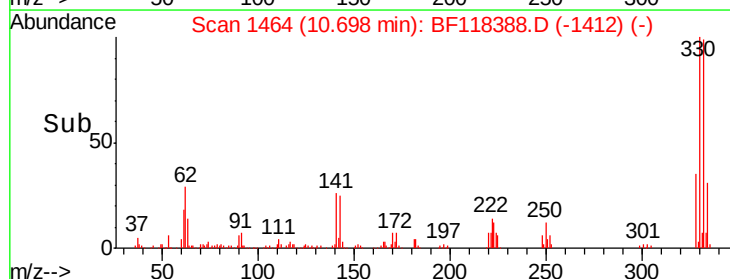
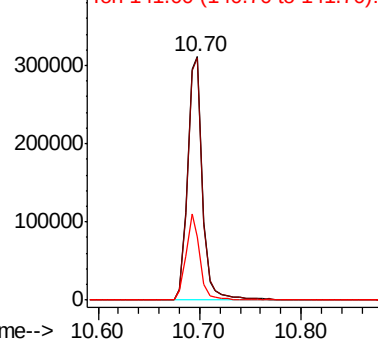


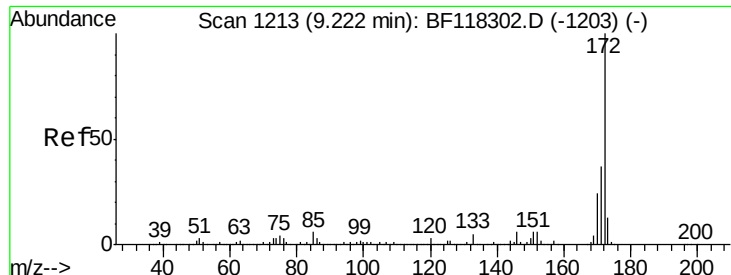
#42
2,4,6-Tribromophenol
Concen: 89.666 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.01 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Tgt Ion:330 Resp: 319604
Ion Ratio Lower Upper
330 100
332 98.9 76.6 114.8
141 33.1 26.0 39.0



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

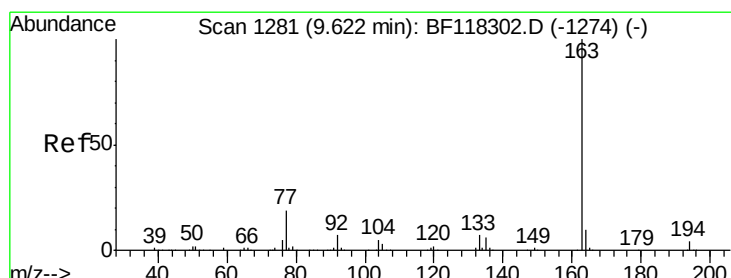
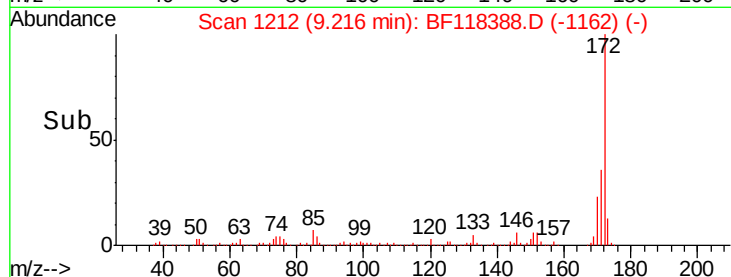
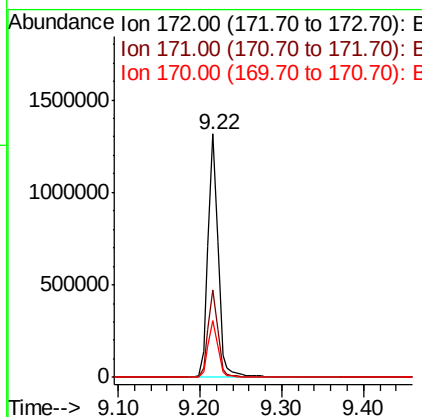
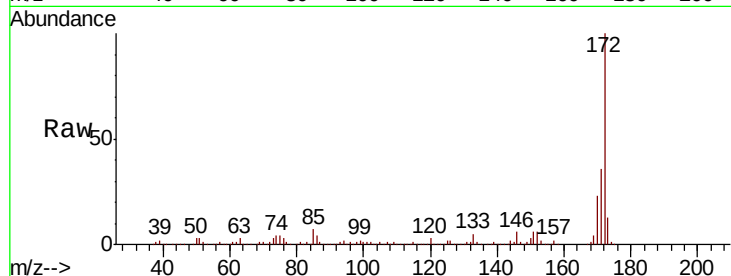




#45
2-Fluorobiphenyl
Concen: 60.079 ng
RT: 9.22 min Scan# 1212
Delta R.T. -0.01 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

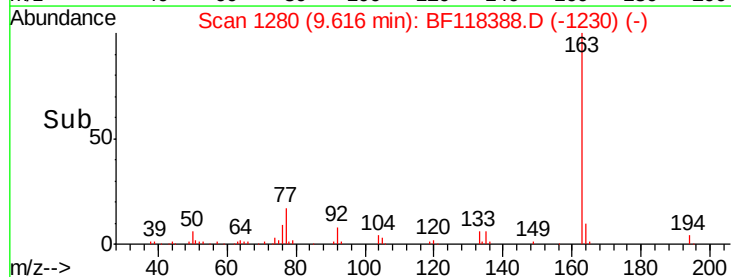
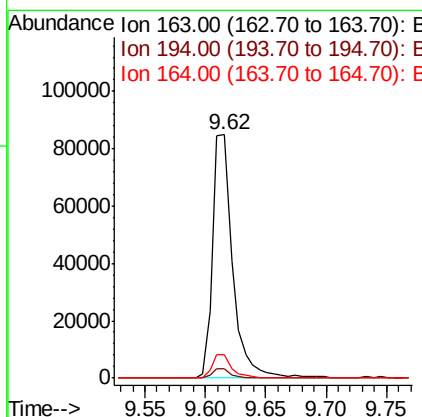
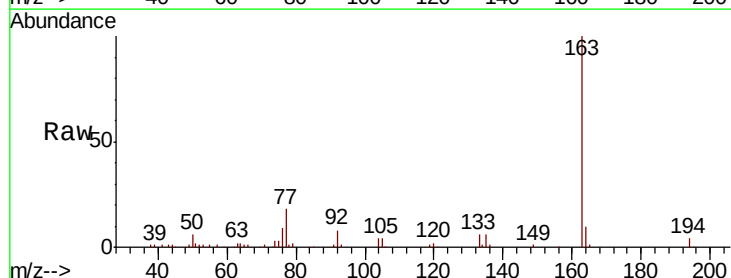
Instrument :
BNA_F
ClientSampleId :

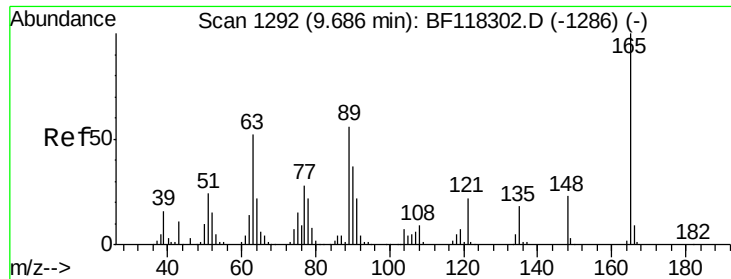
Tot Ion:172 Resp: 1135997
Ion Ratio Lower Upper
172 100
171 35.8 29.3 43.9
170 23.2 19.2 28.8



#50
Dimethylphthalate
Concen: 4.499 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.01 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Tgt Ion:163 Resp: 97465
Ion Ratio Lower Upper
163 100
194 3.9 3.2 4.8
164 9.8 7.9 11.9

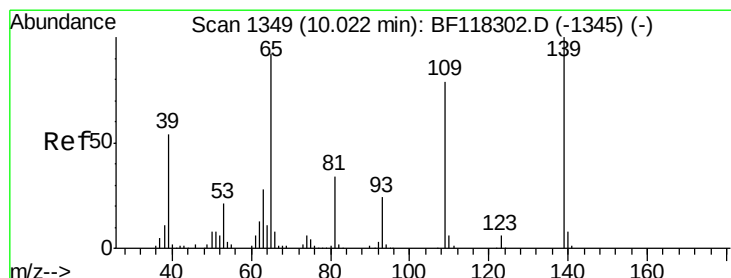
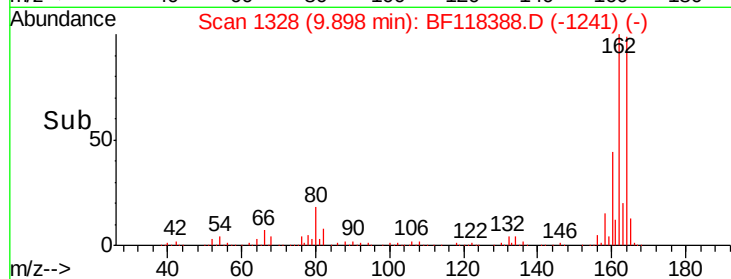
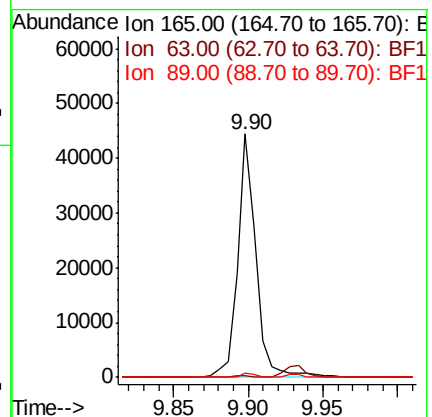
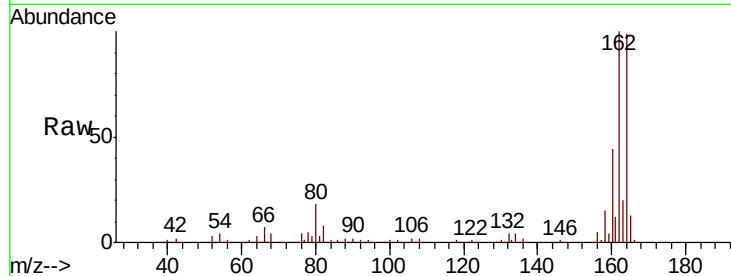




#51
 2,6-Dinitrotoluene
 Concen: 8.241 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. 0.21 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

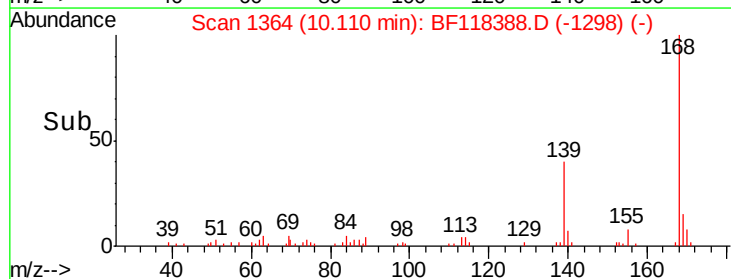
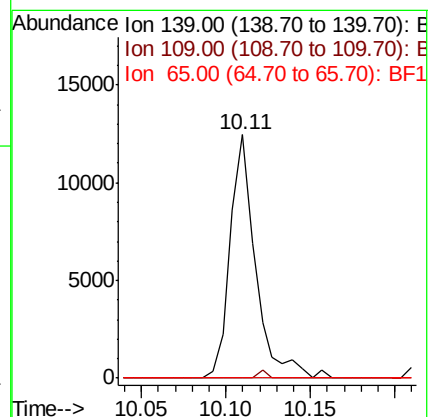
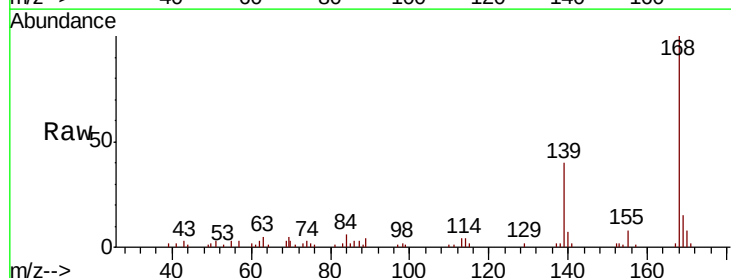
Instrument :
 BNA_F
 ClientSampleId :

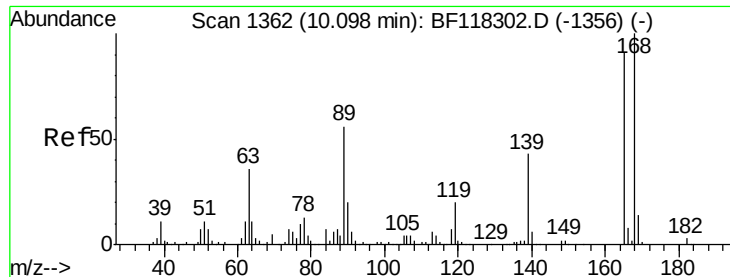
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	42.2	63.4#
89	1.7	44.4	66.6#



#56
 4-Nitrophenol
 Concen: 3.867 ng
 RT: 10.11 min Scan# 1364
 Delta R.T. 0.09 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	59.3	99.3#
65	0.0	72.4	112.4#

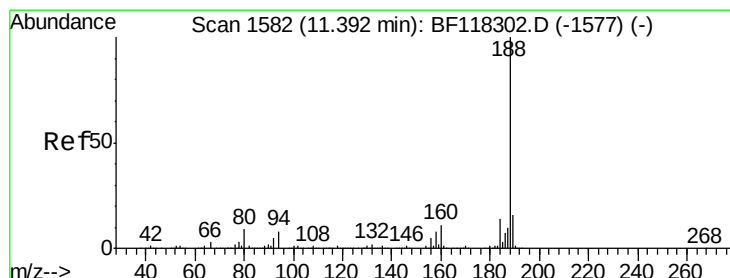
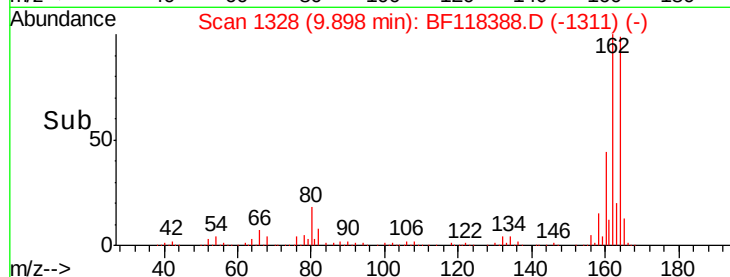
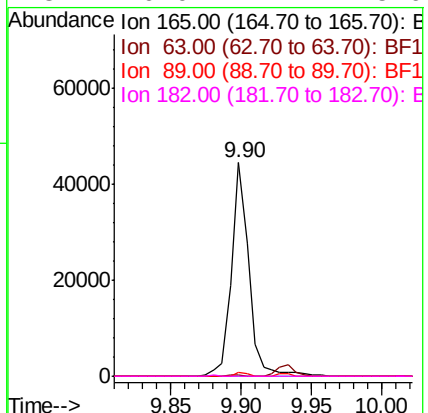
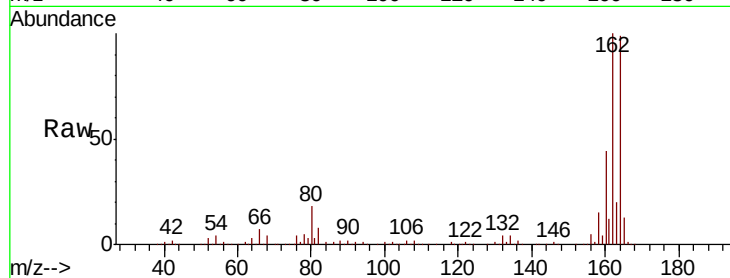




#57
 2,4-Dinitrotoluene
 Concen: 6.168 ng
 RT: 9.90 min Scan# 1328
 Delta R.T. -0.20 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

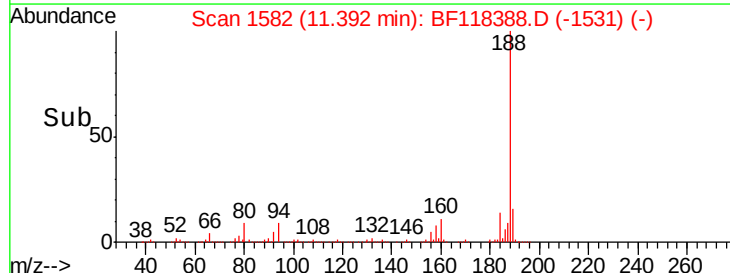
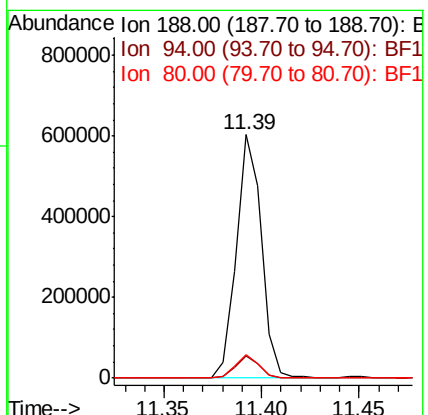
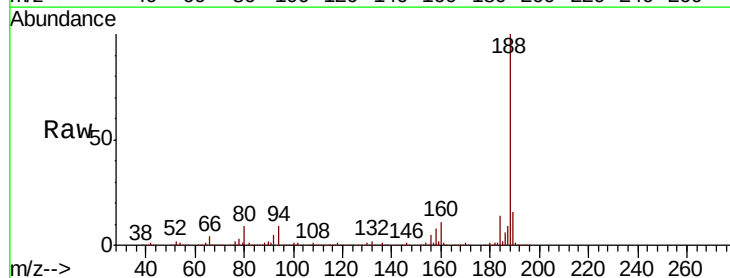
Instrument :
 BNA_F
 ClientSampleId :

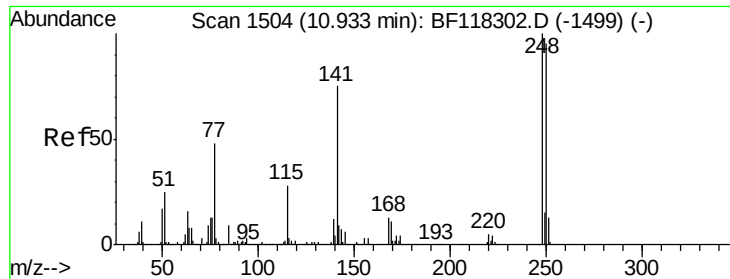
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.8	32.0	48.0#
89	1.7	49.3	73.9#
182	0.0	2.4	3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.0	6.7	10.1
80	9.5	7.2	10.8

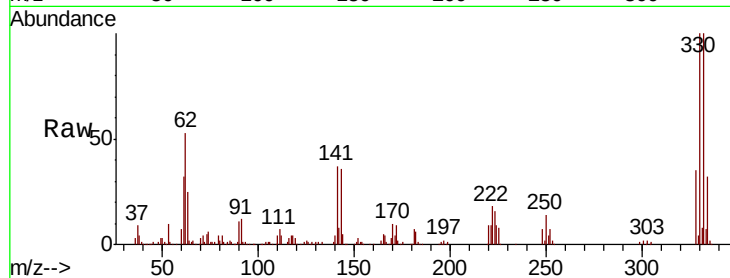




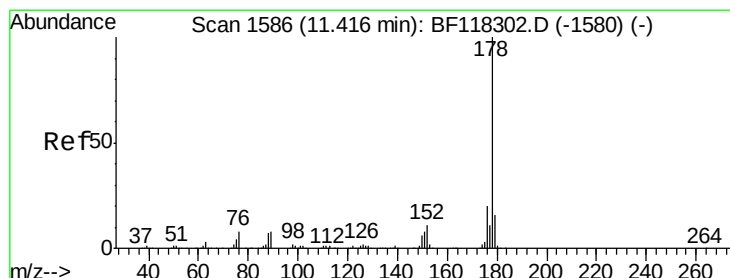
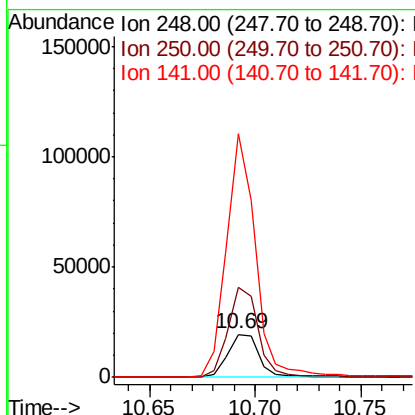
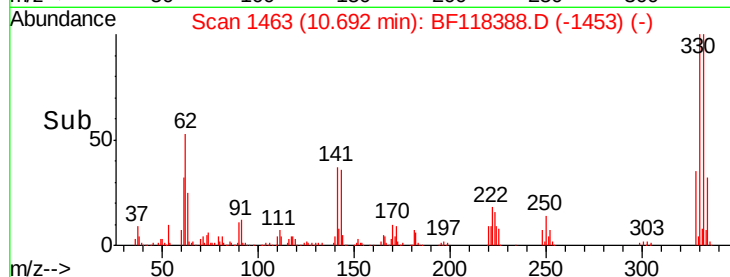
#67
4-Bromophenyl-phenylether
Concen: 3.167 ng
RT: 10.69 min Scan# 1463
Delta R.T. -0.24 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Instrument :
BNA_F
ClientSampled :

Tot Ion:248 Resp: 19859
Ion Ratio Lower Upper
248 100
250 210.0 76.4 114.6#
141 569.3 60.2 90.2#

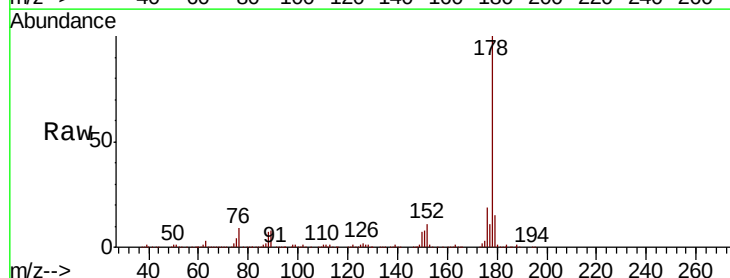


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

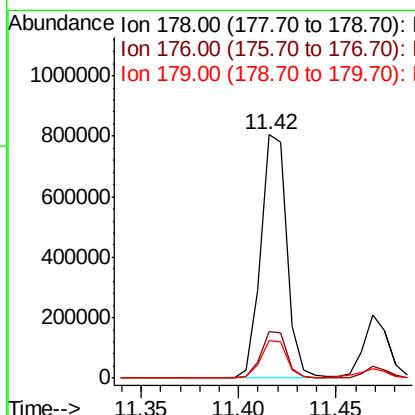
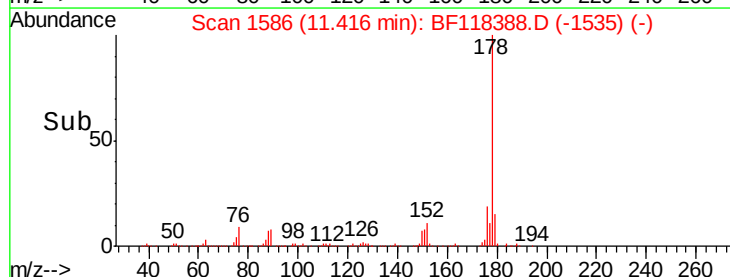


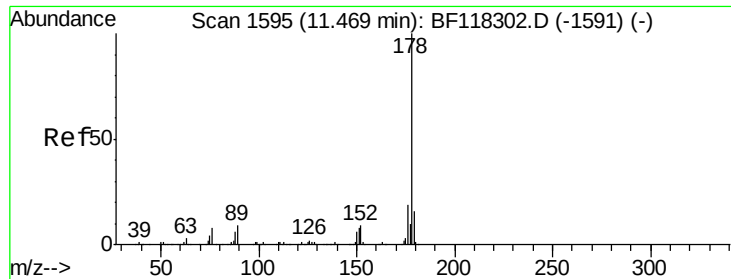
#71
Phenanthrene
Concen: 25.664 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Tgt Ion:178 Resp: 749768
Ion Ratio Lower Upper
178 100
176 19.1 15.6 23.4
179 15.5 12.6 19.0



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

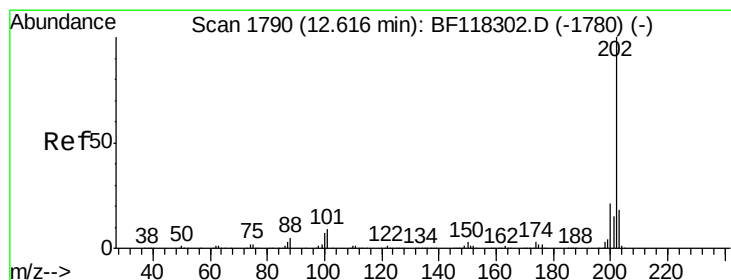
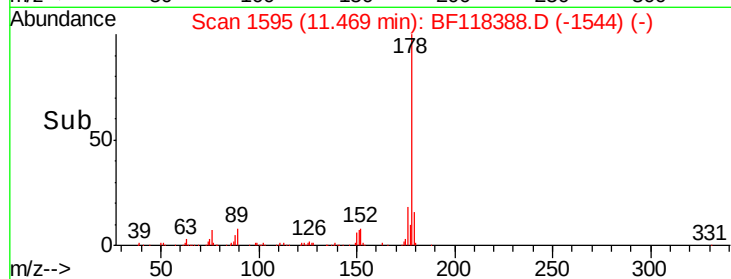
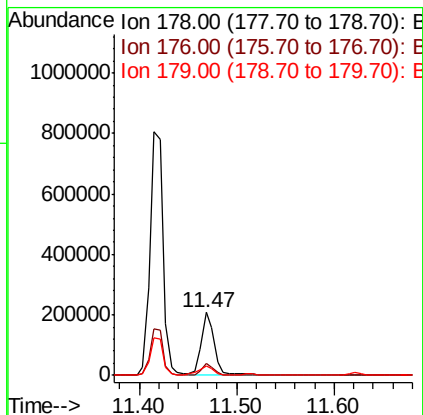
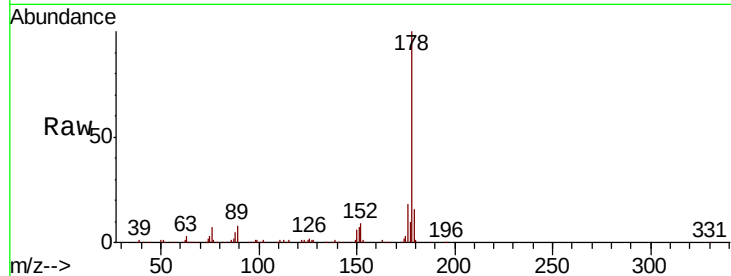




#72
 Anthracene
 Concen: 6.687 ng
 RT: 11.47 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

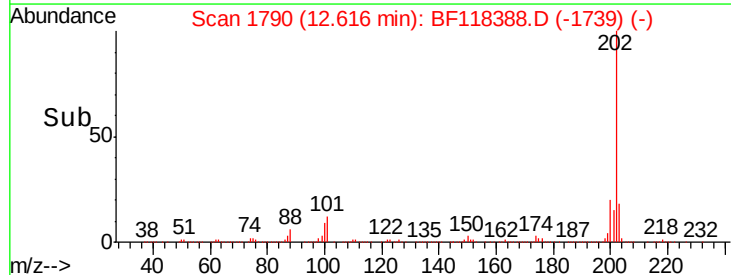
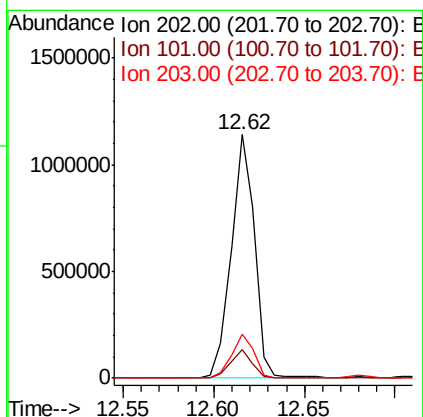
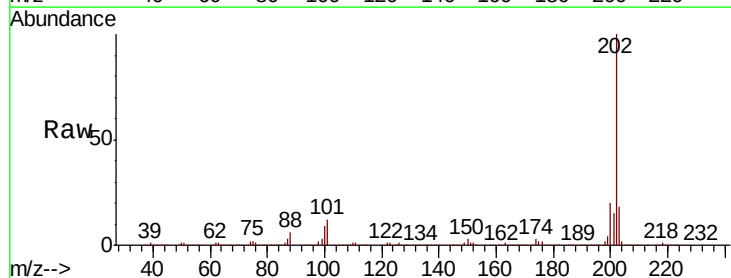
Instrument :
 BNA_F
 ClientSampleId :

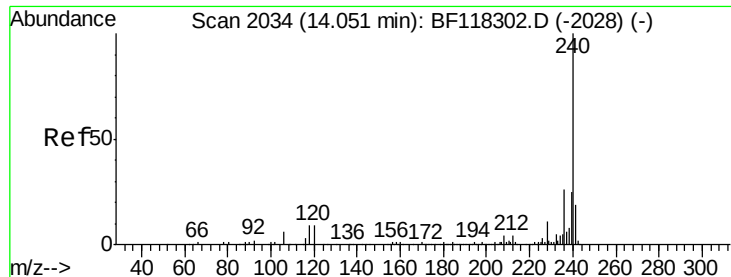
Tot Ion:178 Resp: 195554
 Ion Ratio Lower Upper
 178 100
 176 18.2 15.2 22.8
 179 15.5 12.9 19.3



#75
 Fluoranthene
 Concen: 34.541 ng
 RT: 12.62 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

Tgt Ion:202 Resp: 1018395
 Ion Ratio Lower Upper
 202 100
 101 11.8 0.0 29.5
 203 17.9 0.0 37.6

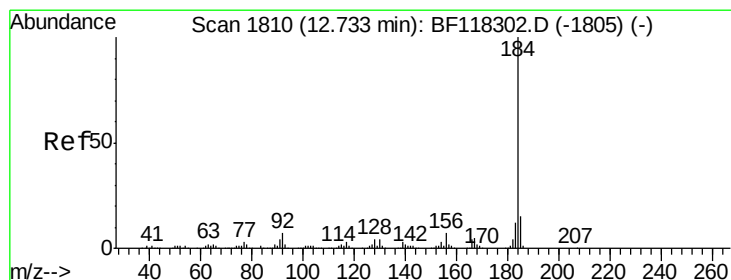
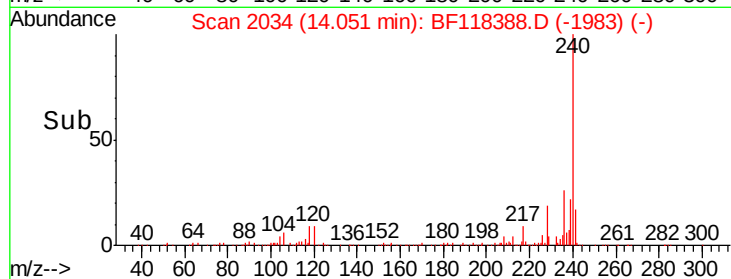
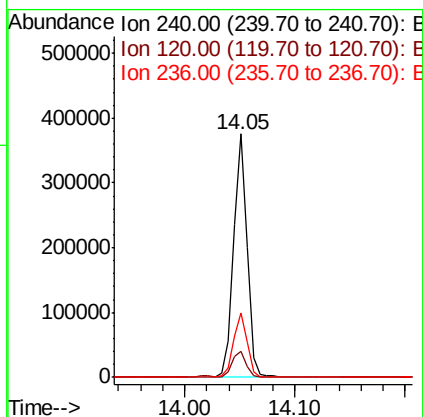
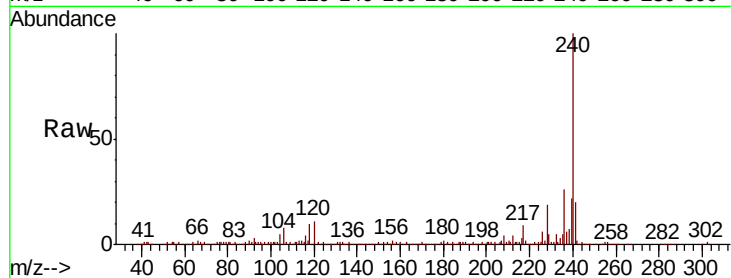




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.05 min Scan# 2034
 Delta R.T. -0.00 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

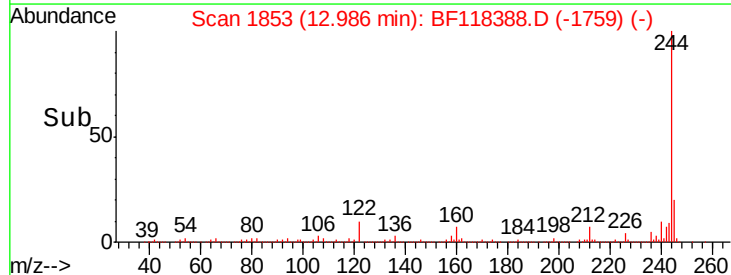
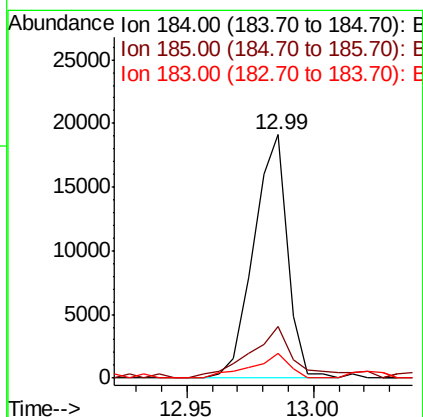
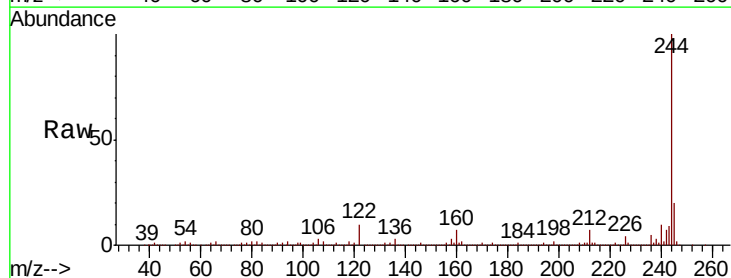
Instrument :
 BNA_F
 ClientSampleId :

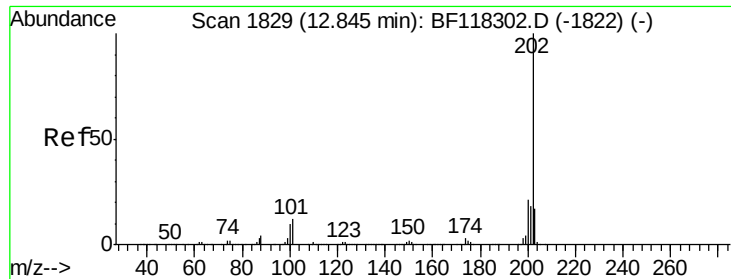
Tot Ion:240 Resp: 323643
 Ion Ratio Lower Upper
 240 100
 120 10.8 7.1 10.7#
 236 26.2 21.0 31.6



#77
 Benzidine
 Concen: 2.007 ng
 RT: 12.99 min Scan# 1853
 Delta R.T. 0.25 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

Tgt Ion:184 Resp: 17800
 Ion Ratio Lower Upper
 184 100
 185 21.1 12.3 18.5#
 183 10.2 9.4 14.2

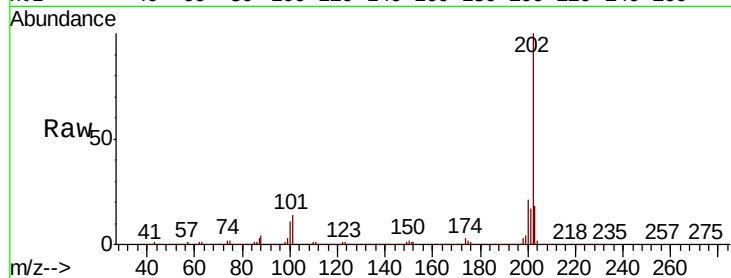




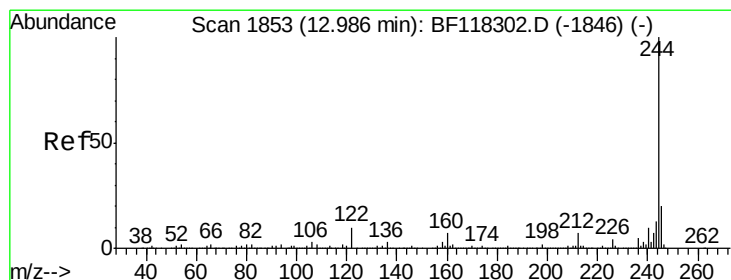
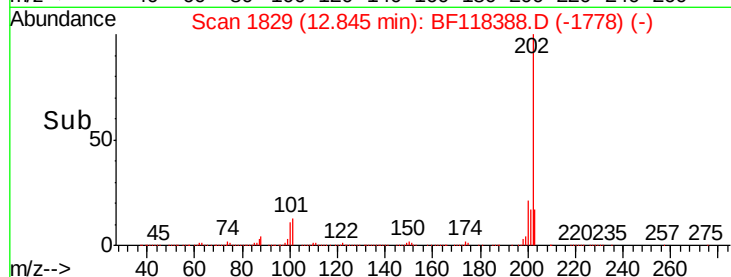
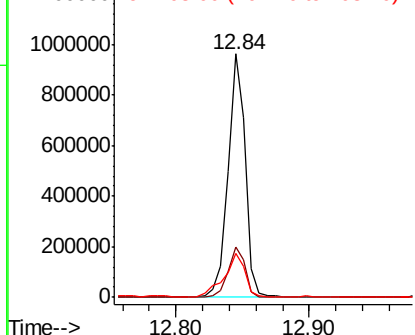
#78
Pvrene
Concen: 33.197 ng
RT: 12.84 min Scan# 1829
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:202 Resp: 877353
Ion Ratio Lower Upper
202 100
200 20.6 16.8 25.2
203 17.8 13.9 20.9

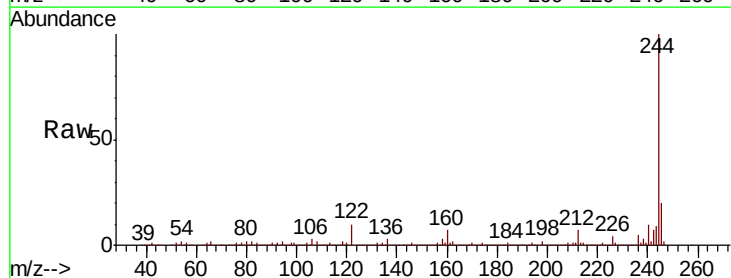


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

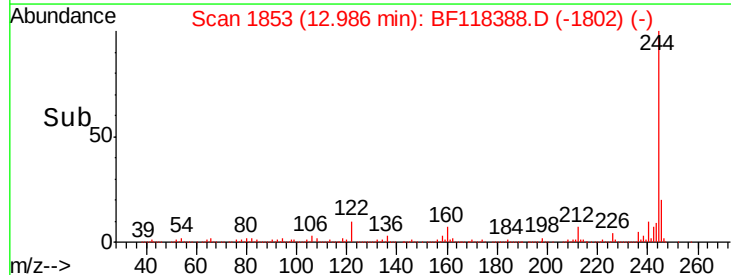
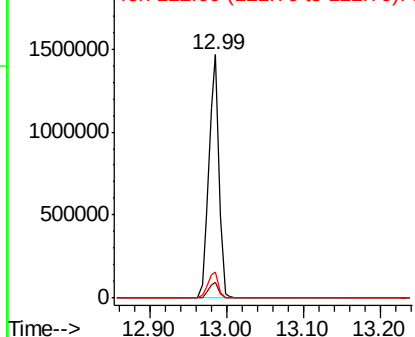


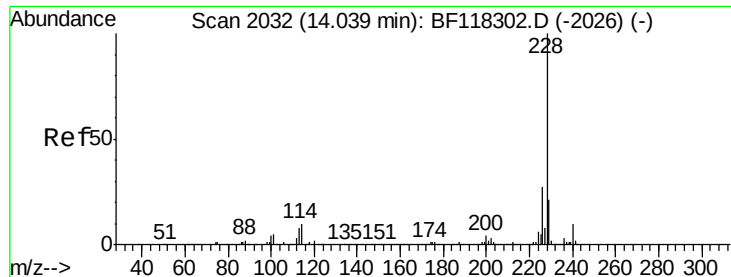
#79
Terphenyl-d14
Concen: 67.310 ng
RT: 12.99 min Scan# 1853
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Tgt Ion:244 Resp: 1313073
Ion Ratio Lower Upper
244 100
212 6.6 5.4 8.2
122 10.5 7.8 11.8



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

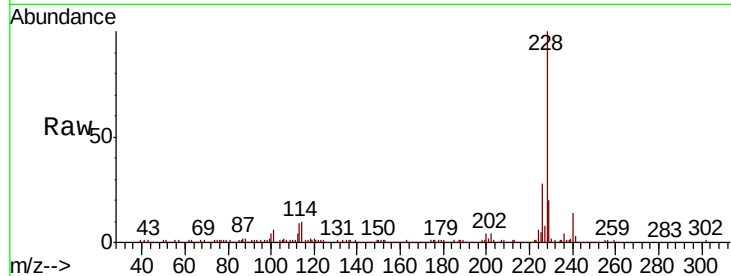




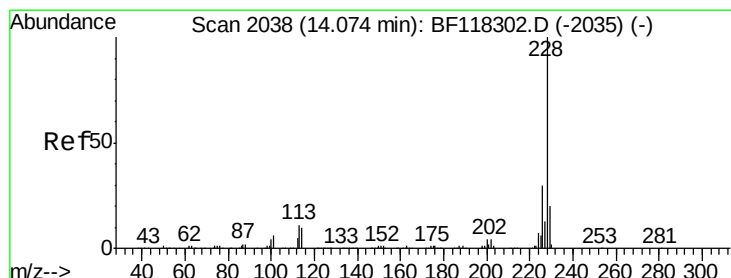
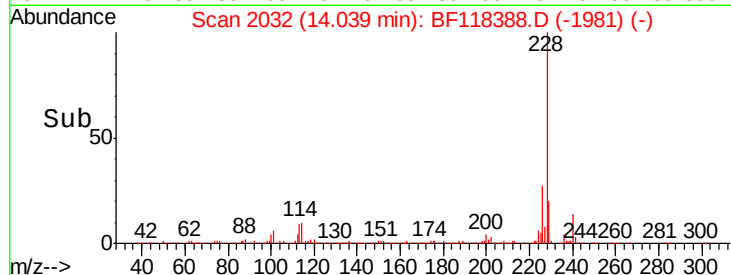
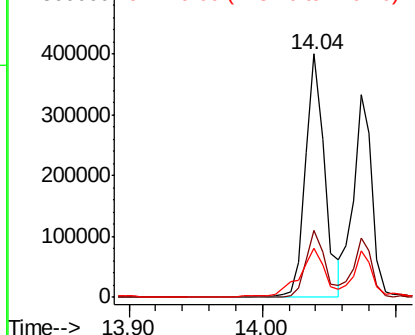
#81
Benzo(a)anthracene
Concen: 17.290 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 391697
Ion Ratio Lower Upper
228 100
226 27.6 22.0 33.0
229 20.1 16.6 24.8

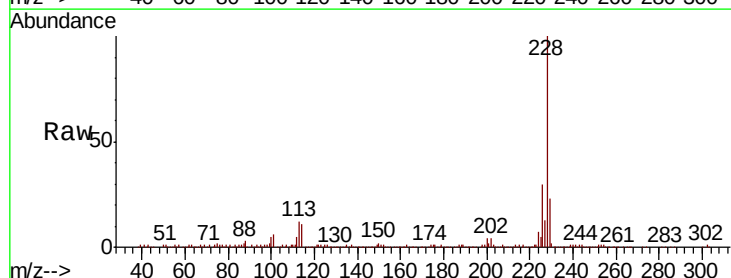


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

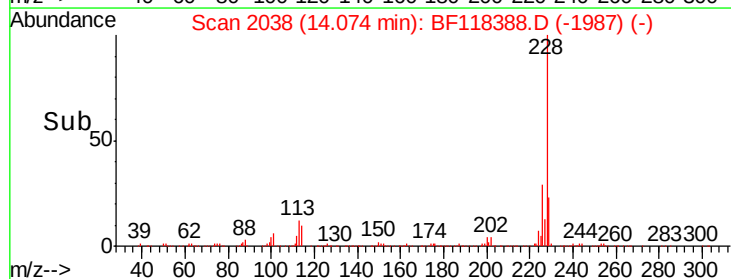
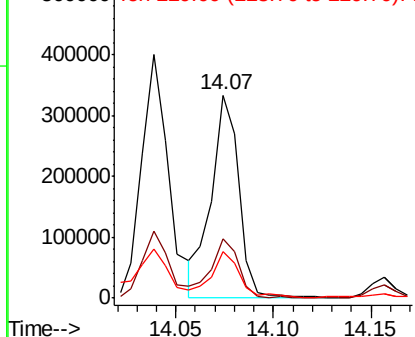


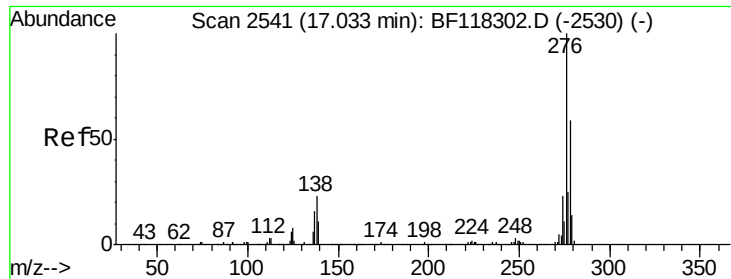
#83
Chrysene
Concen: 15.058 ng
RT: 14.07 min Scan# 2038
Delta R.T. -0.00 min
Lab File: BF118388.D
Acq: 30 Dec 2019 18:37

Tgt Ion:228 Resp: 326625
Ion Ratio Lower Upper
228 100
226 29.5 23.9 35.9
229 22.9 16.1 24.1



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

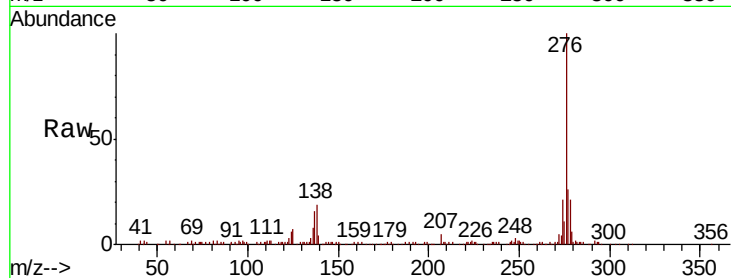




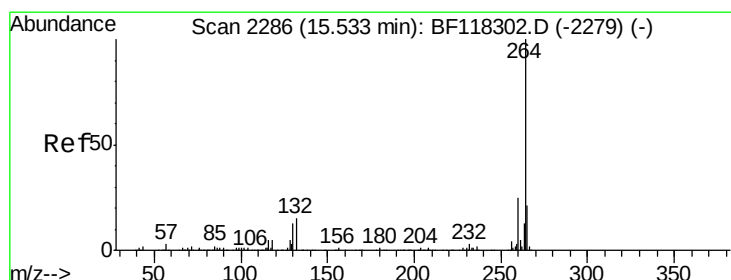
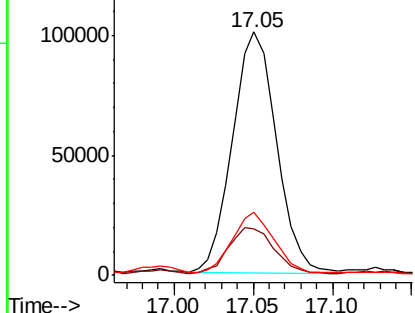
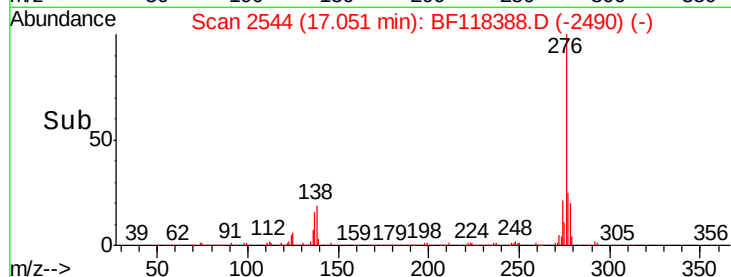
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 10.459 ng
 RT: 17.05 min Scan# 2544
 Delta R.T. 0.02 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:276 Resp: 193301
 Ion Ratio Lower Upper
 276 100
 138 20.5 19.5 29.3
 277 23.6 20.6 30.8

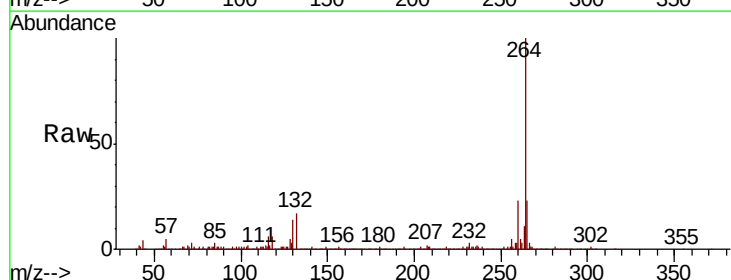


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

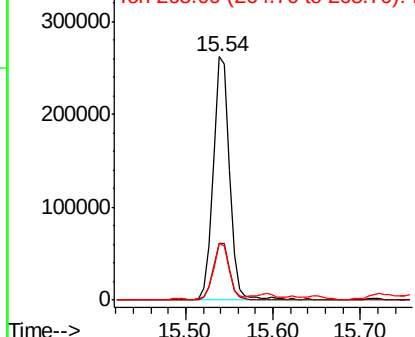
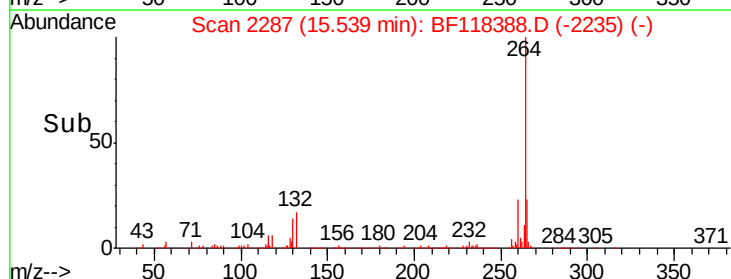


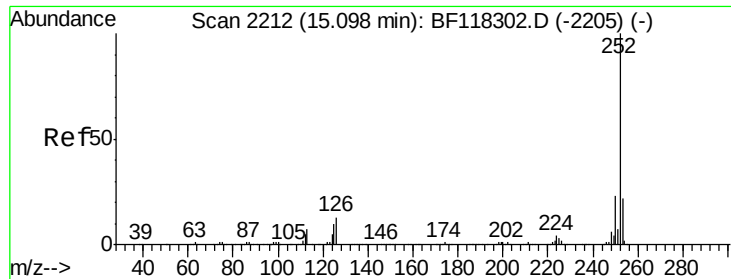
#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.01 min
 Lab File: BF118388.D
 Acq: 30 Dec 2019 18:37

Tgt Ion:264 Resp: 339997
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.8 29.6
 265 23.1 17.0 25.4



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: 24.186 ng

RT: 15.10 min Scan# 2213

Delta R.T. 0.01 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

Instrument :

BNA_F

ClientSampleId :

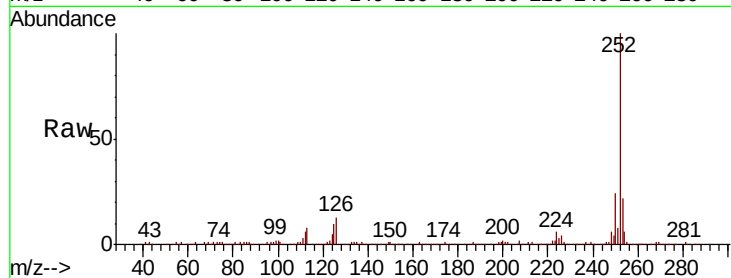
Tot Ion:252 Resp: 545859

Ion Ratio Lower Upper

252 100

253 22.3 17.5 26.3

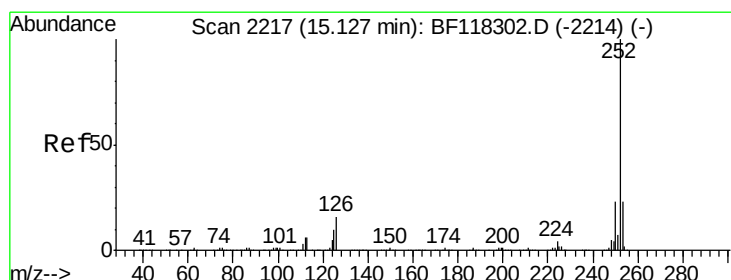
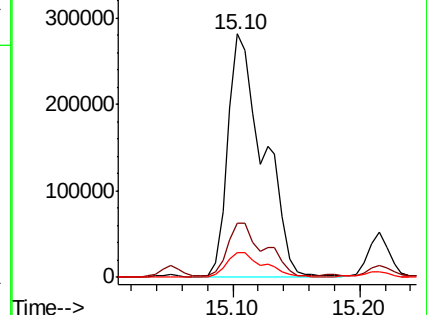
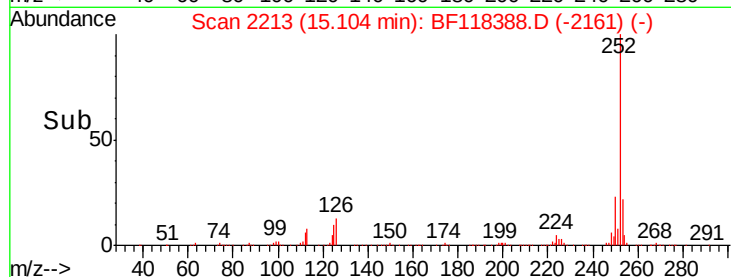
125 10.2 7.7 11.5



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: 25.189 ng

RT: 15.10 min Scan# 2213

Delta R.T. -0.02 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

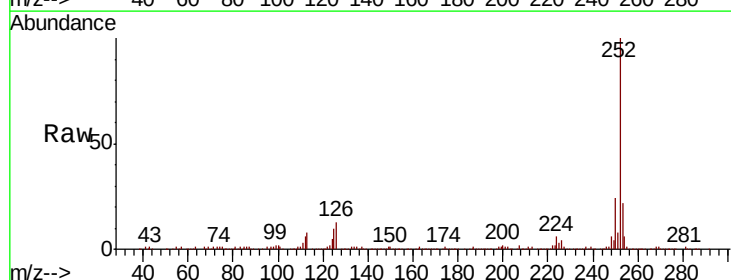
Tgt Ion:252 Resp: 545859

Ion Ratio Lower Upper

252 100

253 22.3 18.0 27.0

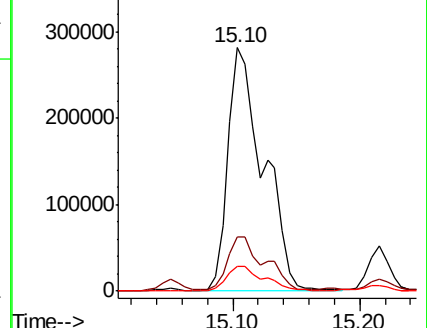
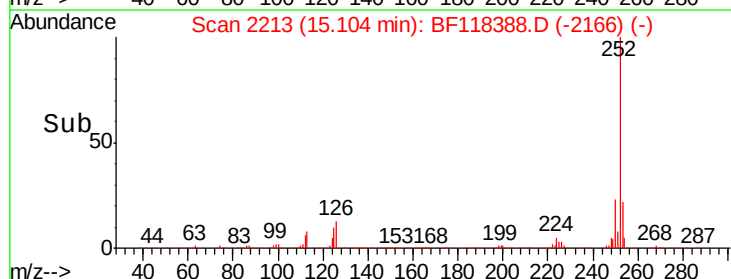
125 10.2 8.0 12.0

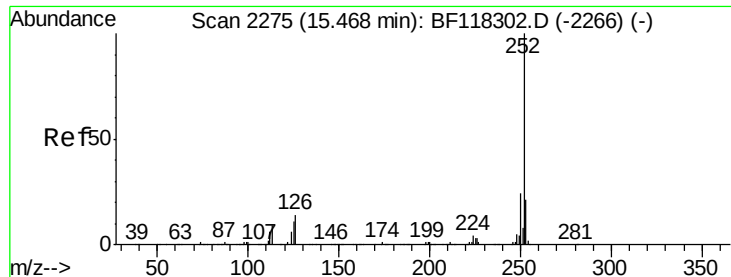


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 14.904 ng

RT: 15.48 min Scan# 2277

Delta R.T. 0.01 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

Instrument :

BNA_F

ClientSampleId :

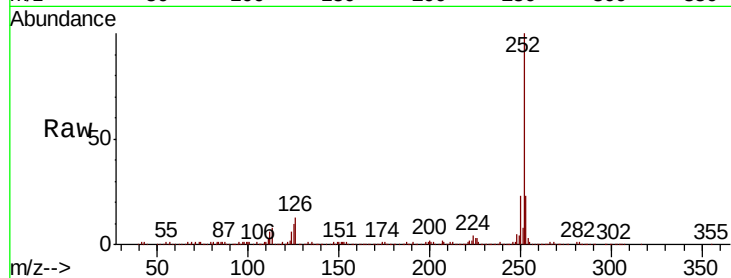
Tot Ion:252 Resp: 296320

Ion Ratio Lower Upper

252 100

253 22.5 17.0 25.6

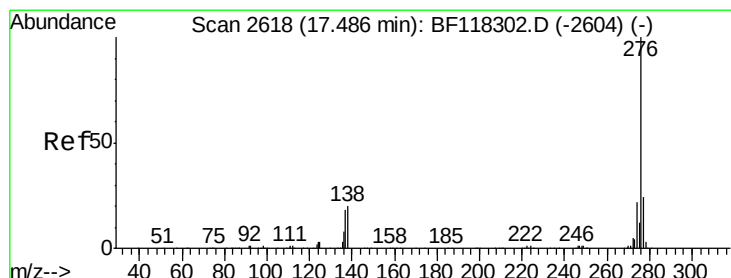
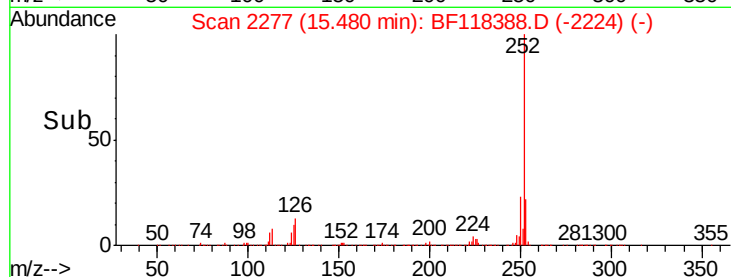
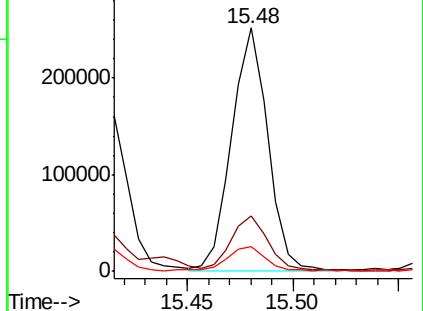
125 10.3 9.0 13.4



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: 10.841 ng

RT: 17.51 min Scan# 2622

Delta R.T. 0.02 min

Lab File: BF118388.D

Acq: 30 Dec 2019 18:37

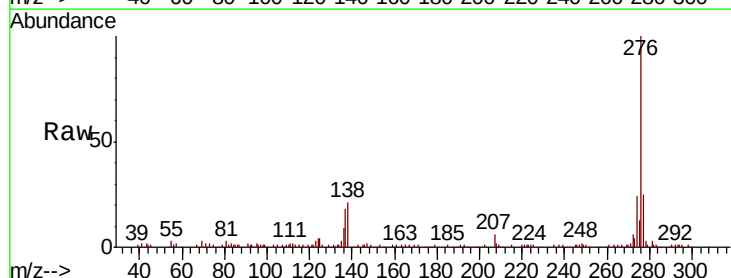
Tgt Ion:276 Resp: 180673

Ion Ratio Lower Upper

276 100

277 24.6 19.1 28.7

138 21.3 16.1 24.1



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

