

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120319\
 Data File : BF118077.D
 Acq On : 3 Dec 2019 22:12
 Operator : JU
 Sample : K6076-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 04 00:36:56 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	141541	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	528986	20.00	ng	0.00
39) Acenaphthene-d10	9.92	164	263239	20.00	ng	-0.01
64) Phenanthrene-d10	11.42	188	451531	20.00	ng	0.00
76) Chrysene-d12	14.07	240	302806	20.00	ng	0.00
87) Perylene-d12	15.57	264	355516	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	850543	106.37	ng	0.00
7) Phenol-d6	6.50	99	1043656	108.21	ng	0.00
23) Nitrobenzene-d5	7.44	82	638745	71.78	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	306398	109.94	ng	0.00
45) 2-Fluorobiphenyl	9.24	172	1127130	76.82	ng	0.00
79) Terphenyl-d14	13.01	244	1015056	61.26	ng	0.00

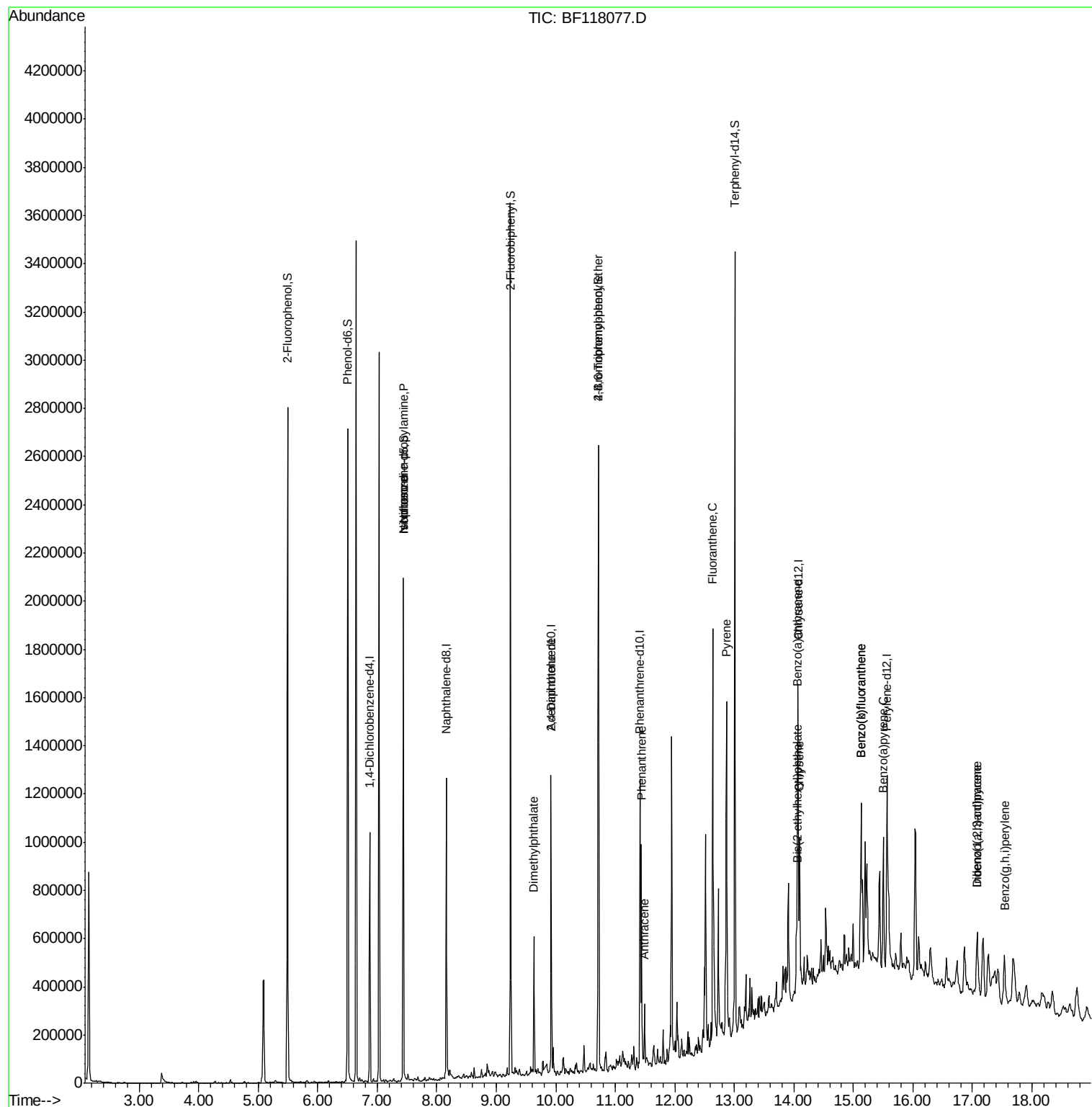
Target Compounds				Qvalue		
9) Benzaldehyde	6.43	77	795	Below Cal		91
19) n-Nitroso-di-n-propylamine	7.44	70	87930	14.778 ng	#	74
25) Isophorone	7.44	82	636735	39.040 ng	#	63
50) Dimethylphthalate	9.63	163	202547	10.973 ng		99
57) 2,4-Dinitrotoluene	9.92	165	34900	6.801 ng	#	33
67) 4-Bromophenyl-phenylether	10.72	248	19443	3.991 ng	#	1
71) Phenanthrene	11.44	178	321699	14.171 ng		100
72) Anthracene	11.49	178	91111	4.048 ng		99
75) Fluoranthene	12.64	202	603508	26.020 ng		98
78) Pyrene	12.87	202	522141	21.337 ng		100
81) Benzo(a)anthracene	14.06	228	269744	13.481 ng		98
83) Chrysene	14.09	228	257517	13.281 ng		96
84) Bis(2-ethylhexyl)phthalate	14.04	149	70673	5.546 ng		98
86) Indeno(1,2,3-cd)pyrene	17.07	276	160896	9.750 ng		95
88) Benzo(b)fluoranthene	15.13	252	507526	21.973 ng		99
89) Benzo(k)fluoranthene	15.13	252	507526	23.320 ng		98
90) Benzo(a)pyrene	15.50	252	263457	12.971 ng		98
91) Dibenzo(a,h)anthracene	17.09	278	42578	2.436 ng	#	79
92) Benzo(a,h,i)perylene	17.54	276	144783	8.315 ng		98

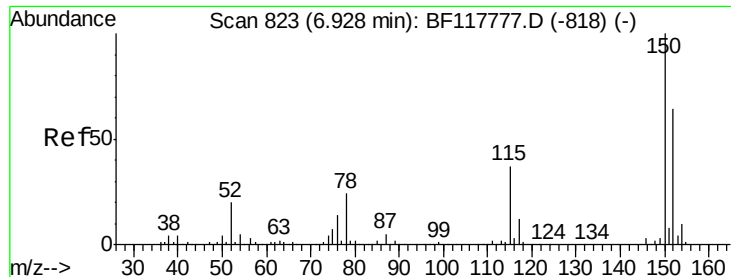
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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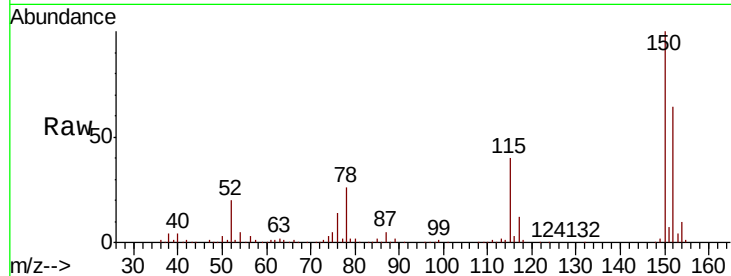


#1

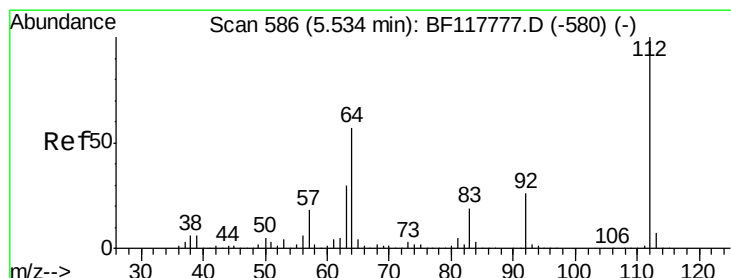
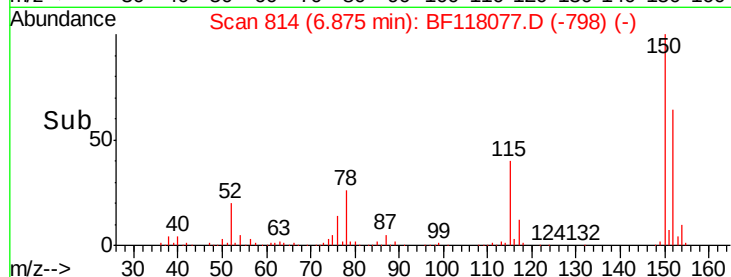
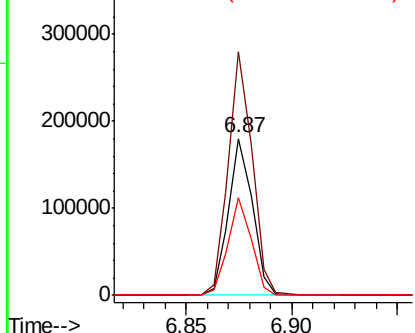
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.87 min Scan# 814
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 141541
Ion Ratio Lower Upper
152 100
150 155.2 121.4 182.2
115 61.9 48.8 73.2



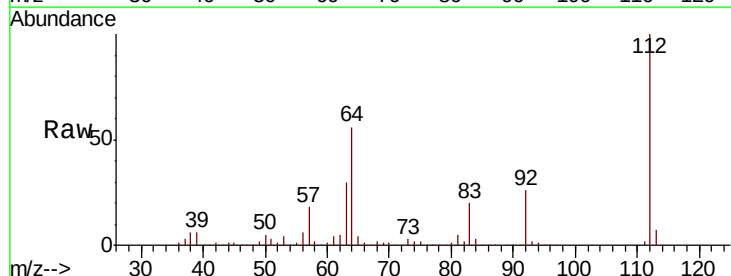
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



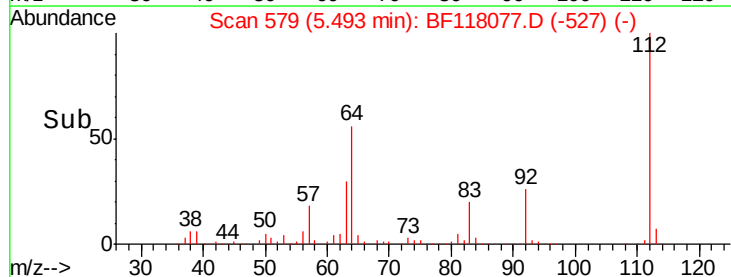
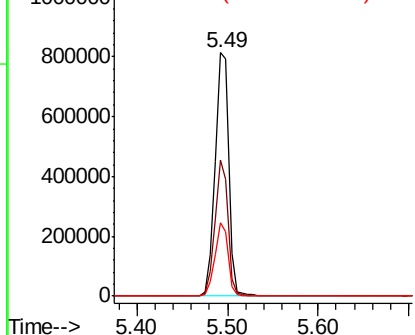
#5

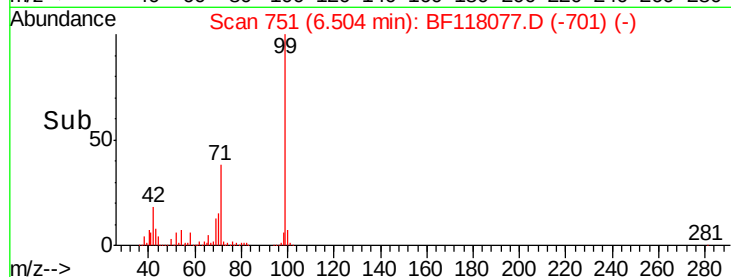
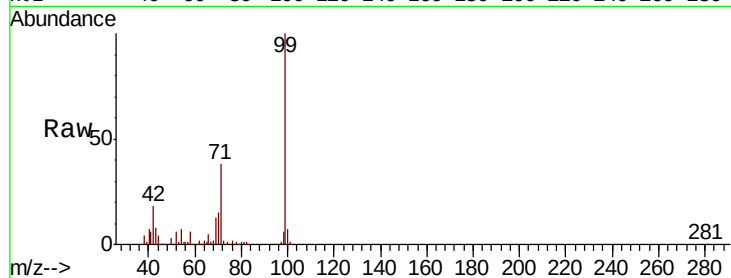
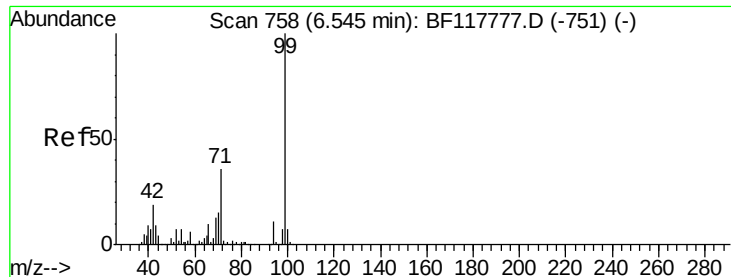
2-Fluorophenol
Concen: 106.369 ng
RT: 5.49 min Scan# 579
Delta R.T. 0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Tgt Ion:112 Resp: 850543
Ion Ratio Lower Upper
112 100
64 56.0 45.1 67.7
63 30.3 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: 108.210 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

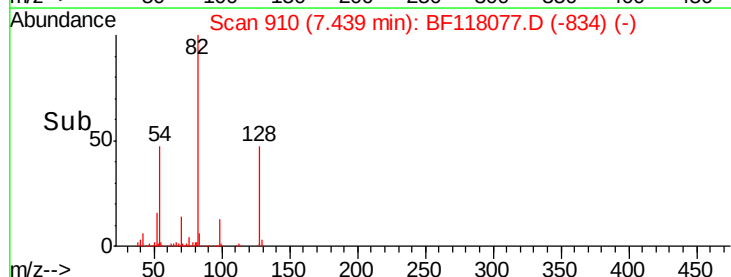
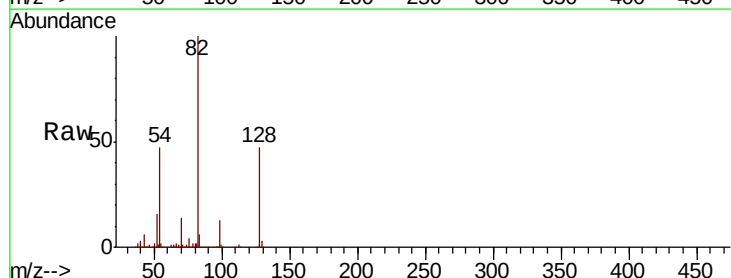
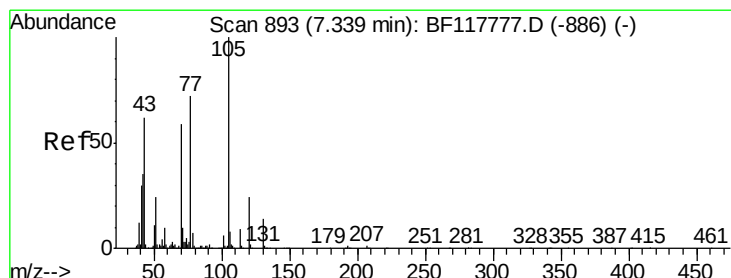
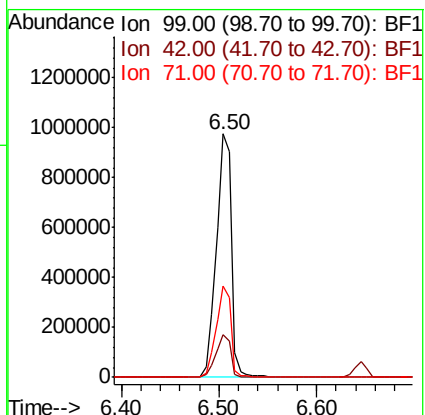
Tot Ion: 99 Resp: 1043656

Ion Ratio Lower Upper

99 100

42 17.7 14.0 21.0

71 37.5 29.2 43.8



#19

n-Nitroso-di-n-propylamine

Concen: 14.778 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.15 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Tgt Ion: 70 Resp: 87930

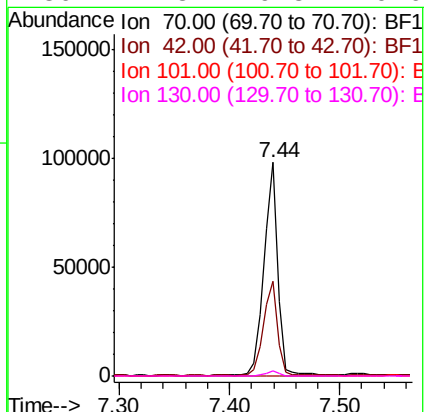
Ion Ratio Lower Upper

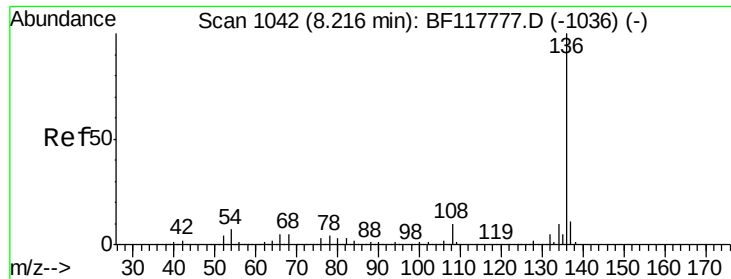
70 100

42 44.6 46.0 69.0#

101 0.0 8.8 13.2#

130 2.3 19.8 29.6#

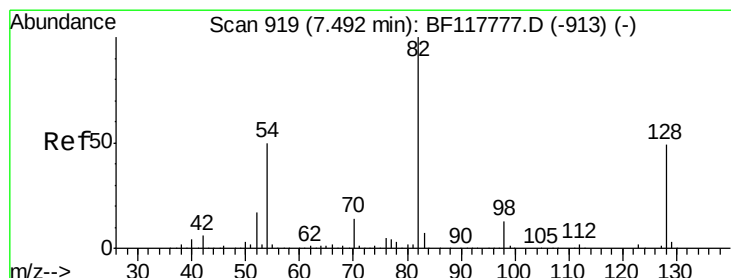
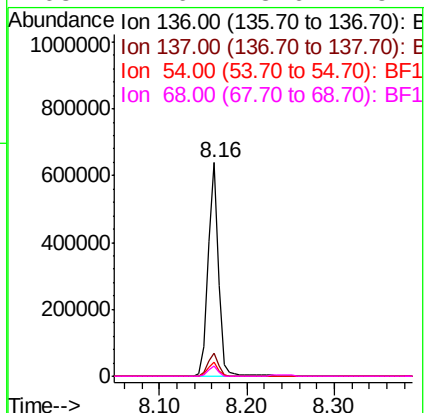
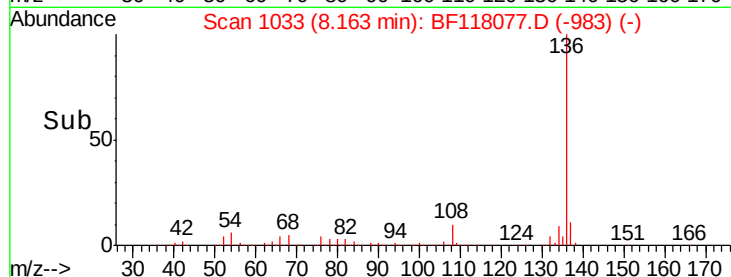
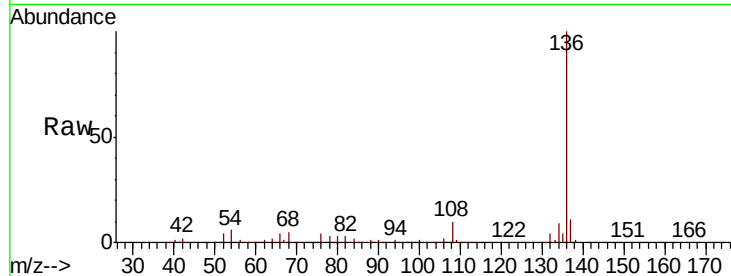




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

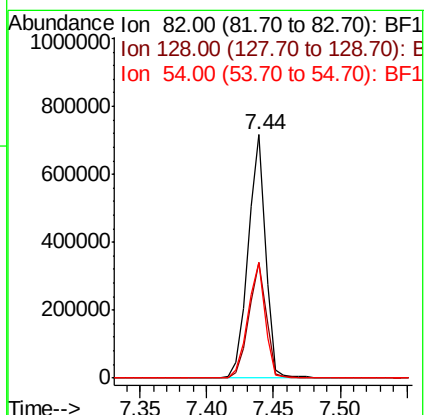
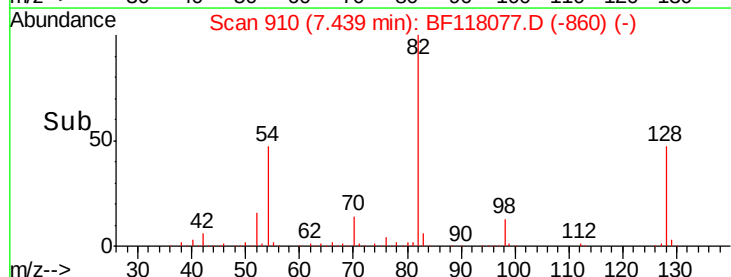
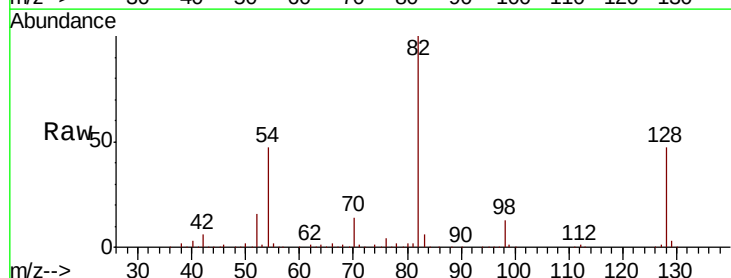
Instrument :
BNA_F
ClientSampled :

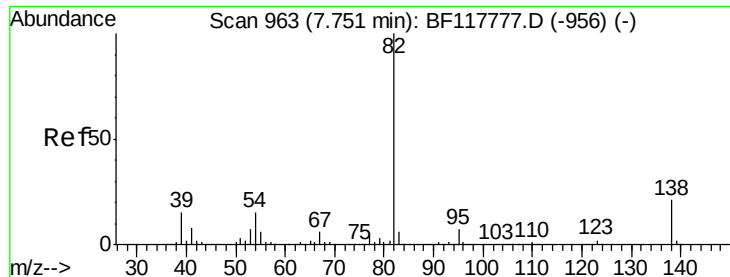
Tot Ion:136	Resp:	528986
Ion	Ratio	Lower Upper
136	100	
137	11.0	9.1 13.7
54	6.4	4.9 7.3
68	4.6	3.6 5.4



#23
Nitrobenzene-d5
Concen: 71.780 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Tgt Ion: 82	Resp:	638745
Ion	Ratio	Lower Upper
82	100	
128	47.4	38.2 57.4
54	47.3	39.0 58.4

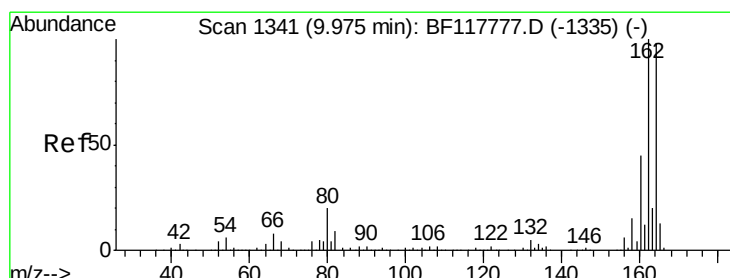
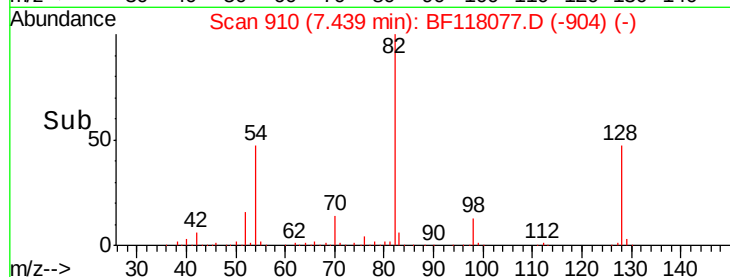
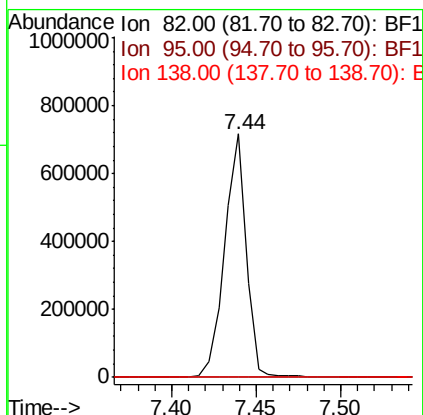
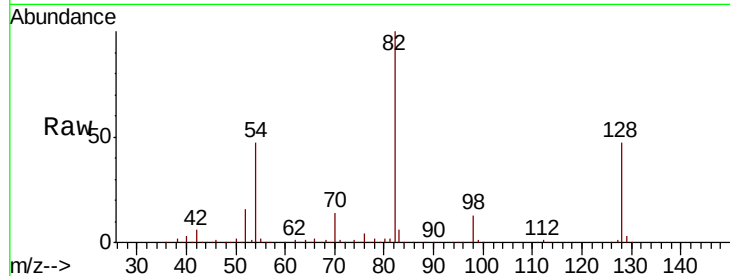




#25
Isophorone
Concen: 39.040 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.26 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

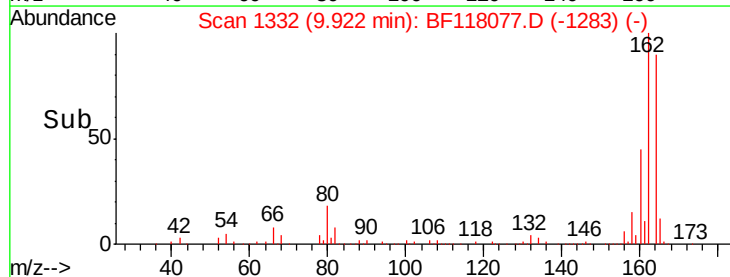
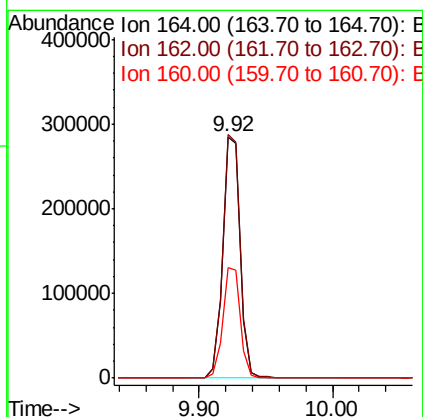
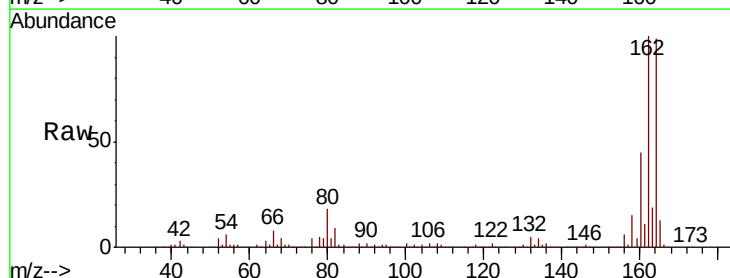
Instrument :
BNA_F
ClientSampleId :

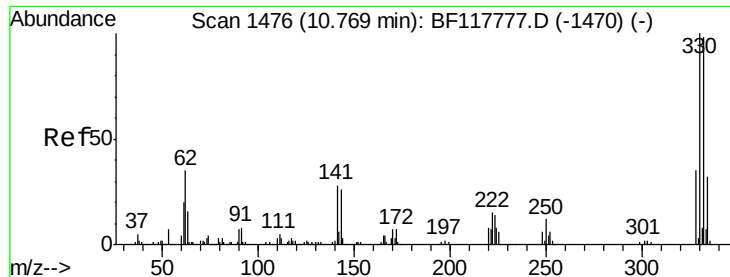
Tot Ion: 82 Resp: 636735
Ion Ratio Lower Upper
82 100
95 0.1 6.2 9.2#
138 0.0 15.9 23.9#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Tgt Ion: 164 Resp: 263239
Ion Ratio Lower Upper
164 100
162 101.0 81.8 122.8
160 45.7 35.9 53.9

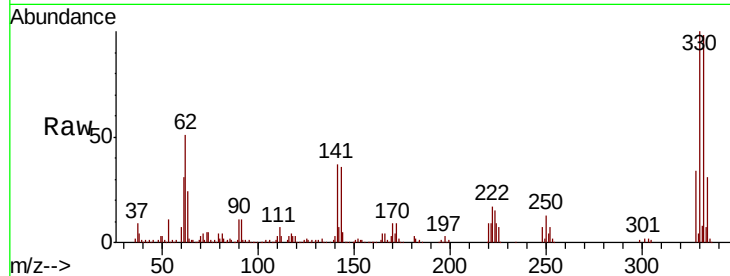




#42
 2,4,6-Tribromophenol
 Concen: 109.943 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: BF118077.D
 Acq: 3 Dec 2019 22:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.3	78.3	117.5
141	33.5	26.4	39.6

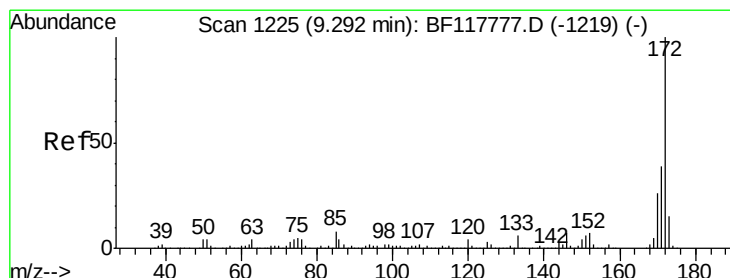
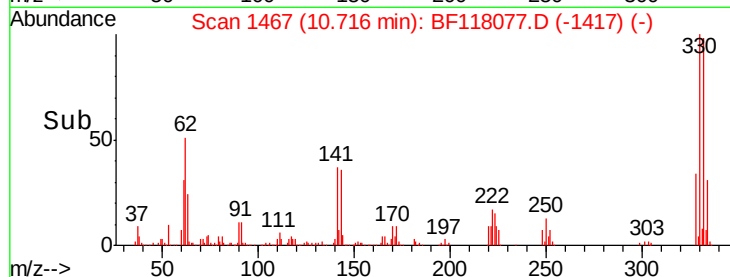
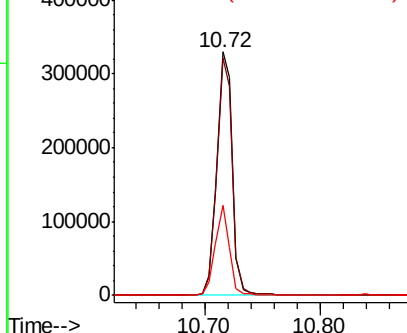


Abundance

Ion 329.80 (329.50 to 330.50): E

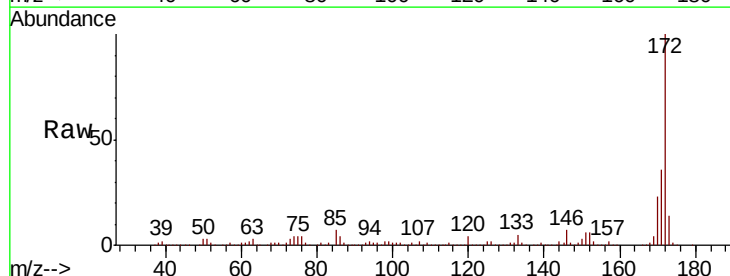
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 76.817 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. -0.01 min
 Lab File: BF118077.D
 Acq: 3 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.3	29.2	43.8
170	23.4	19.3	28.9

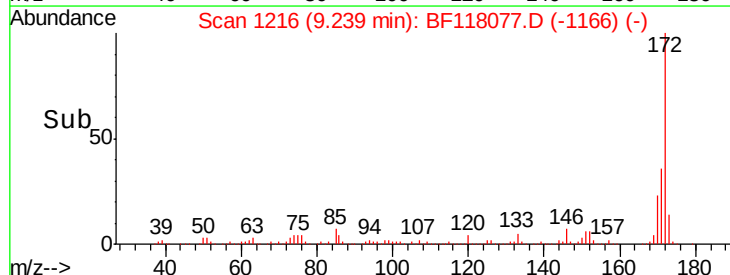
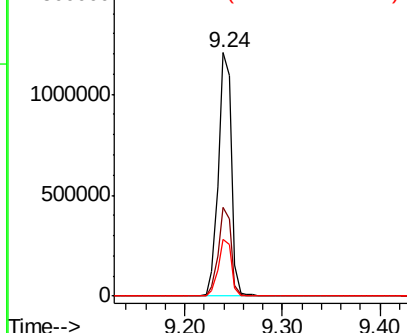


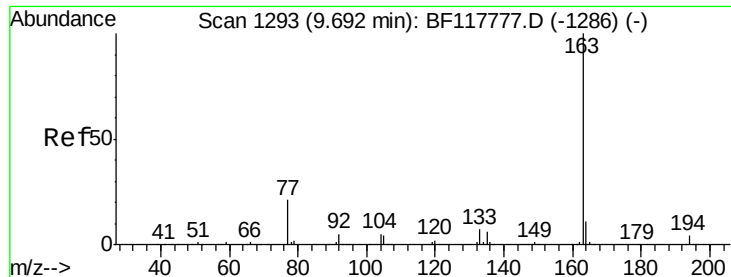
Abundance

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

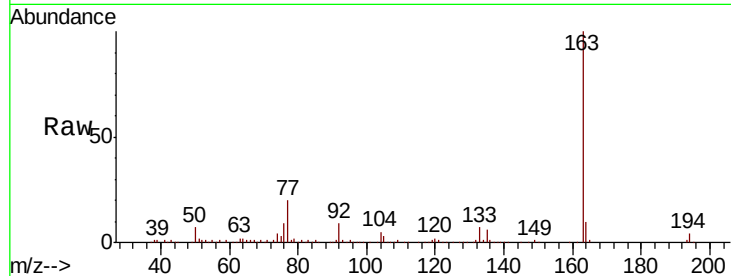




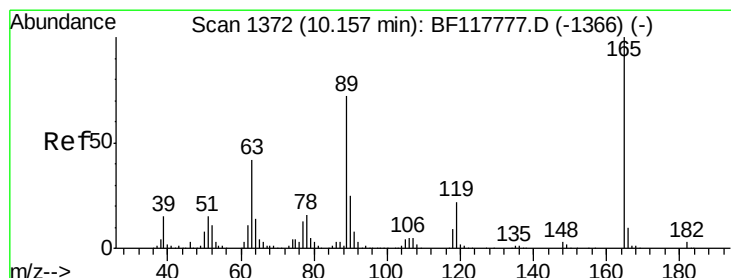
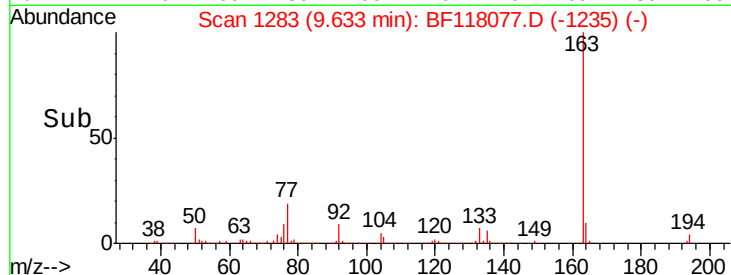
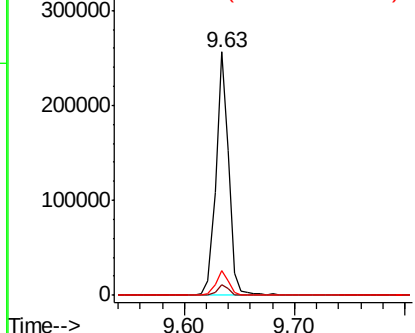
#50
Dimethylphthalate
Concen: 10.973 ng
RT: 9.63 min Scan# 1283
Delta R.T. -0.02 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:163 Resp: 202547
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.3 7.9 11.9

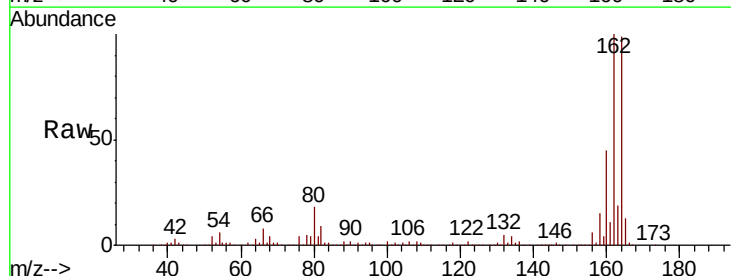


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

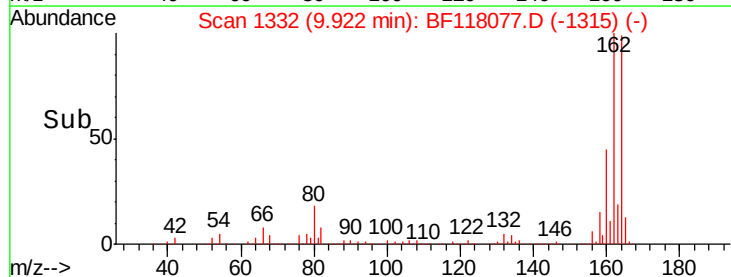
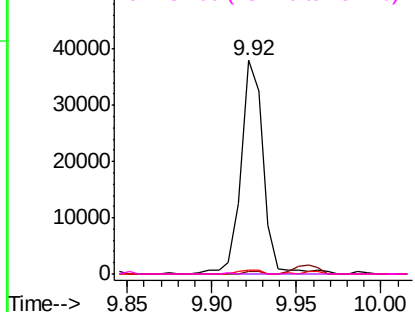


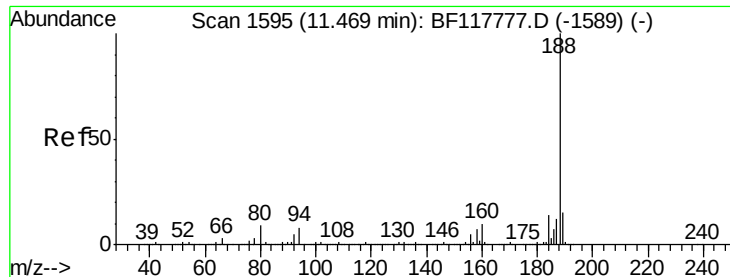
#57
2,4-Dinitrotoluene
Concen: 6.801 ng
RT: 9.92 min Scan# 1332
Delta R.T. -0.20 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Tgt Ion:165 Resp: 34900
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#



Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1
Ion 182.00 (181.70 to 182.70): E

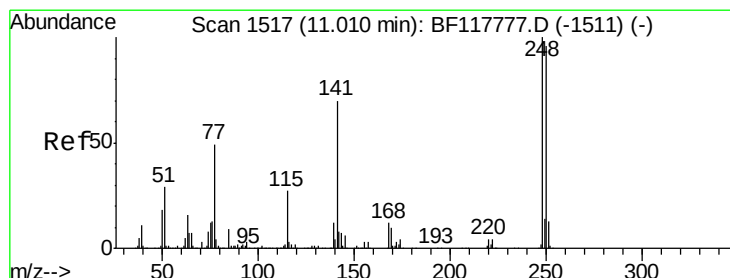
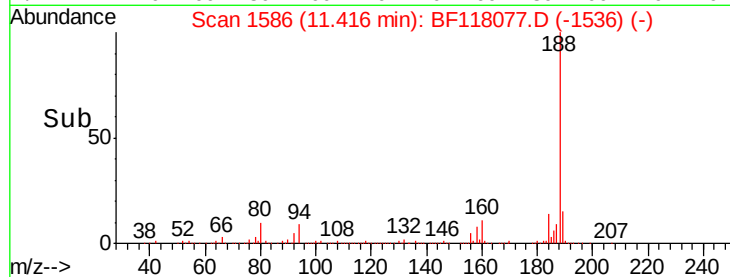
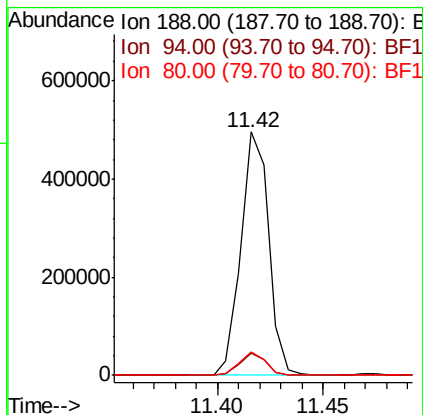
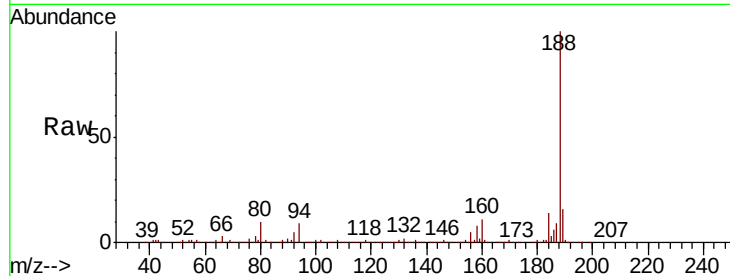




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.42 min Scan# 1586
 Delta R.T. -0.01 min
 Lab File: BF118077.D
 Acq: 3 Dec 2019 22:12

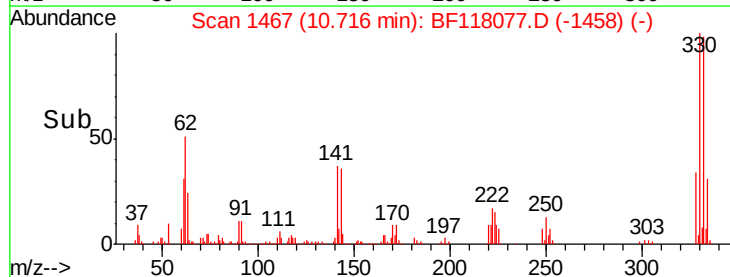
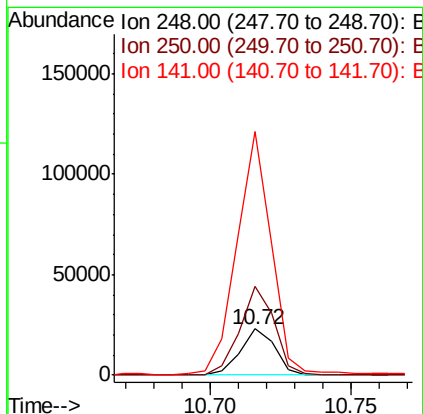
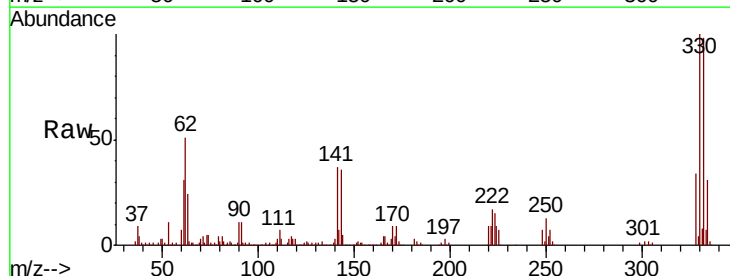
Instrument :
 BNA_F
 ClientSampleId :

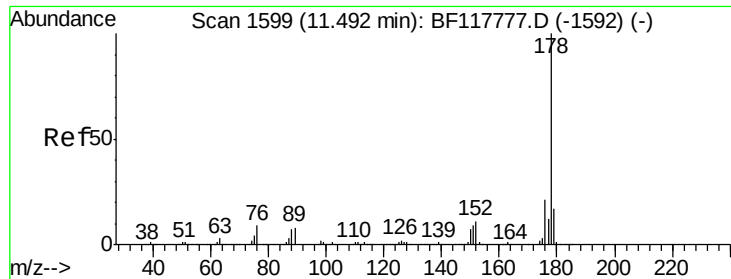
Tot Ion:188 Resp: 451531
 Ion Ratio Lower Upper
 188 100
 94 9.1 7.0 10.6
 80 9.7 7.2 10.8



#67
 4-Bromophenyl-phenylether
 Concen: 3.991 ng
 RT: 10.72 min Scan# 1467
 Delta R.T. -0.25 min
 Lab File: BF118077.D
 Acq: 3 Dec 2019 22:12

Tgt Ion:248 Resp: 19443
 Ion Ratio Lower Upper
 248 100
 250 193.4 78.0 117.0#
 141 528.7 64.0 96.0#

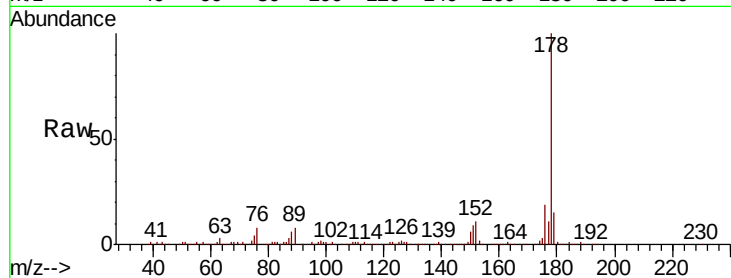




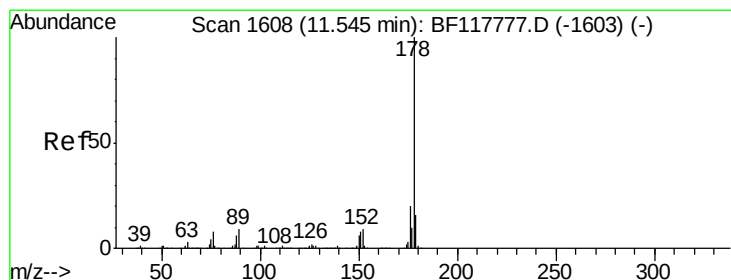
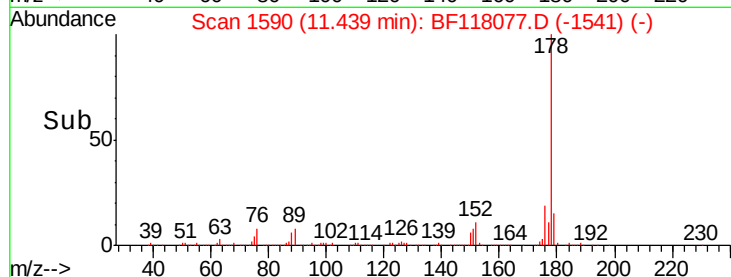
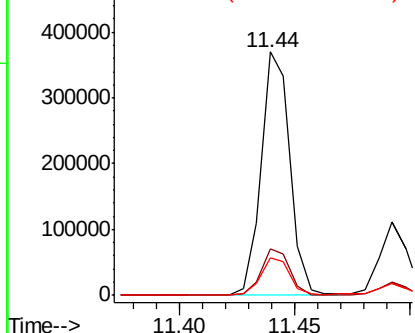
#71
Phenanthrene
Concen: 14.171 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 321699
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 15.5 12.3 18.5

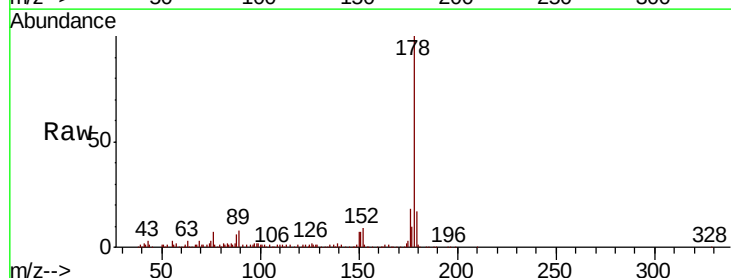


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

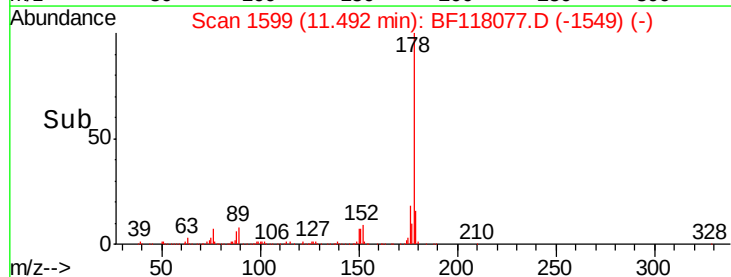
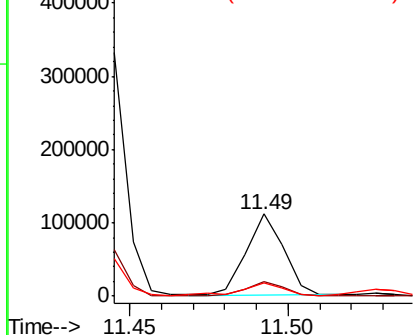


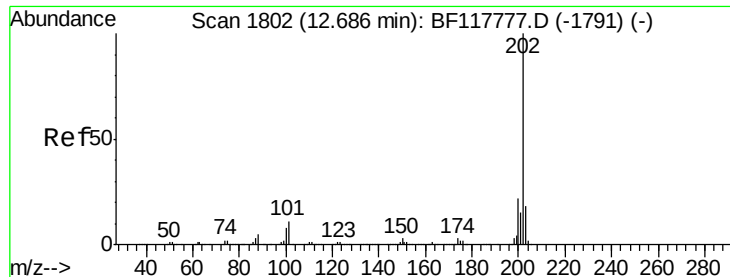
#72
Anthracene
Concen: 4.048 ng
RT: 11.49 min Scan# 1599
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Tgt Ion:178 Resp: 91111
Ion Ratio Lower Upper
178 100
176 18.1 15.0 22.6
179 16.6 12.8 19.2



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





#75

Fluoranthene

Concen: 26.020 ng

RT: 12.64 min Scan# 1794

Delta R.T. 0.00 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Instrument :

BNA_F

ClientSampled :

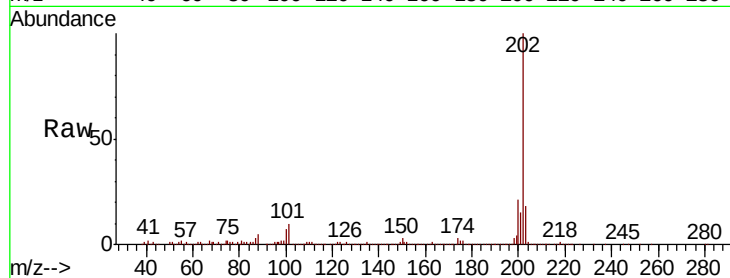
Tot Ion:202 Resp: 603508

Ion Ratio Lower Upper

202 100

101 10.0 0.0 31.5

203 17.9 0.0 37.6



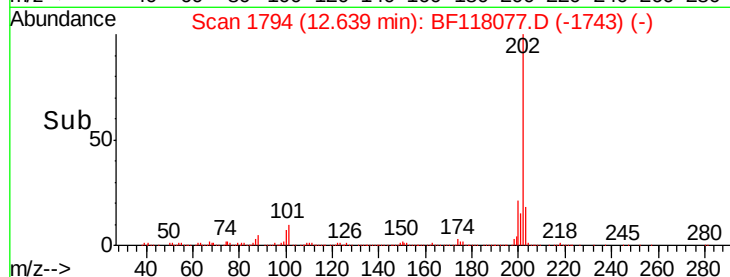
Abundance

Ion 202.00 (201.70 to 202.70): E

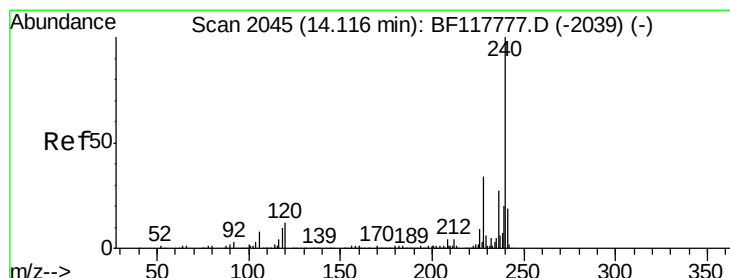
Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

12.64



Time-->



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

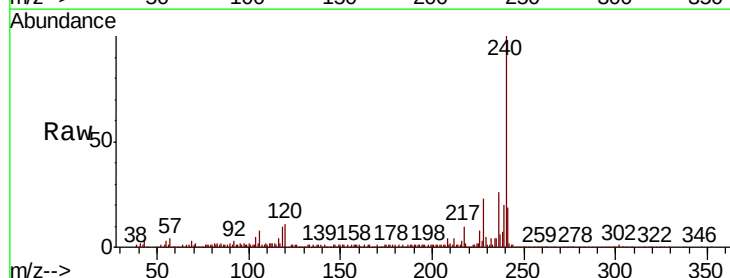
Tgt Ion:240 Resp: 302806

Ion Ratio Lower Upper

240 100

120 10.9 8.4 12.6

236 26.3 20.6 31.0



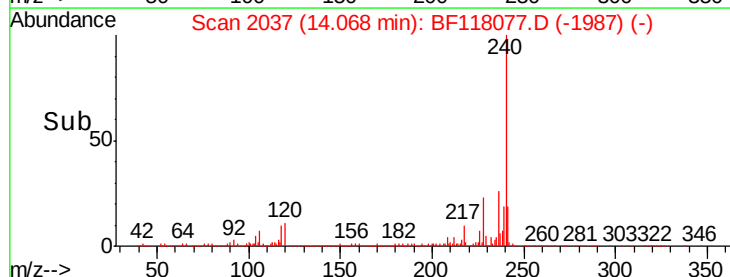
Abundance

Ion 240.00 (239.70 to 240.70): E

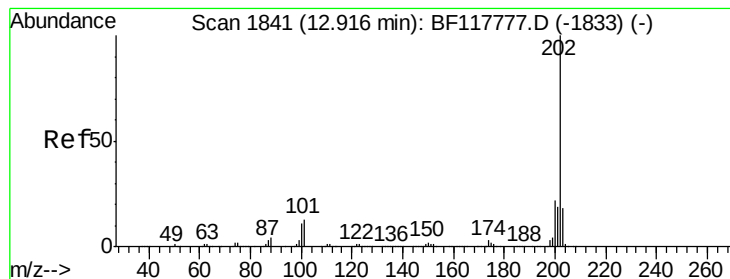
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

14.07



Time-->



#78

Pvrene

Concen: 21.337 ng

RT: 12.87 min Scan# 1833

Delta R.T. -0.01 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Instrument :

BNA_F

ClientSampleId :

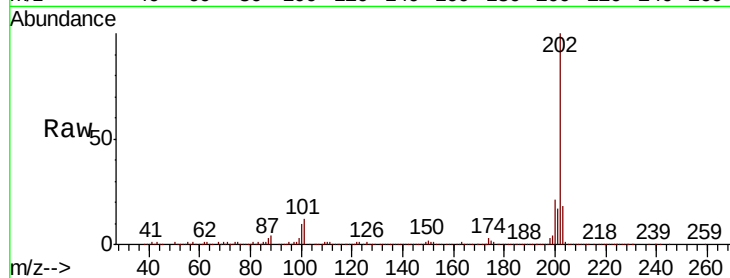
Tot Ion:202 Resp: 522141

Ion Ratio Lower Upper

202 100

200 21.4 17.0 25.6

203 17.8 14.2 21.4

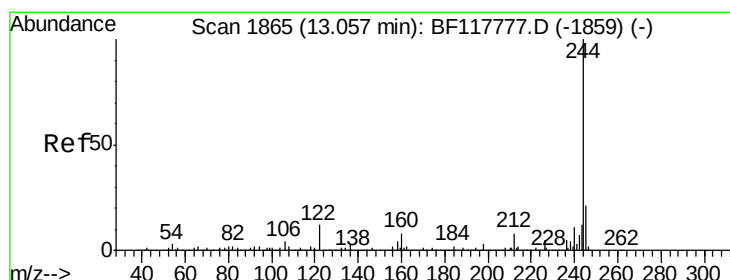
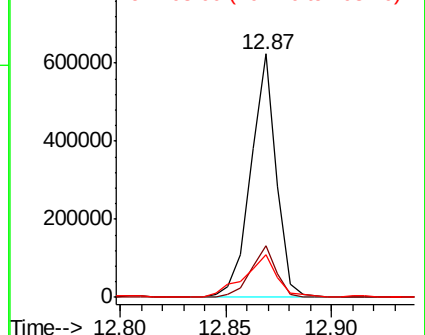
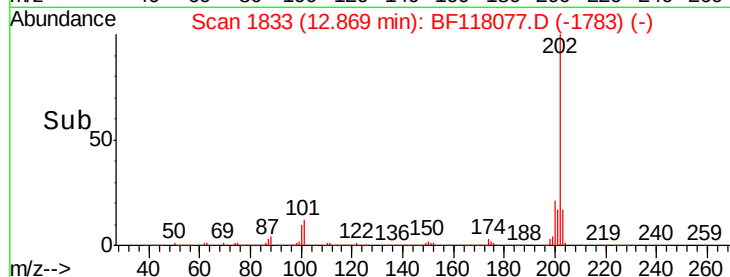


Abundance

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: 61.265 ng

RT: 13.01 min Scan# 1857

Delta R.T. -0.01 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

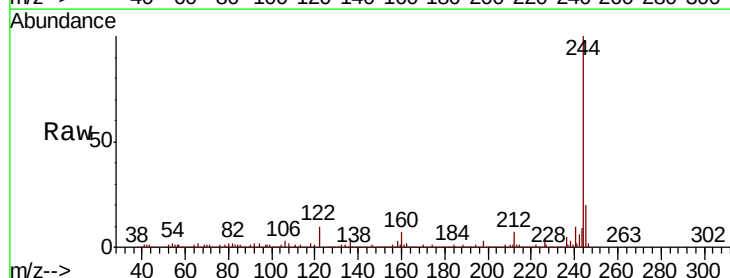
Tgt Ion:244 Resp: 1015056

Ion Ratio Lower Upper

244 100

212 6.9 5.2 7.8

122 10.4 7.2 10.8

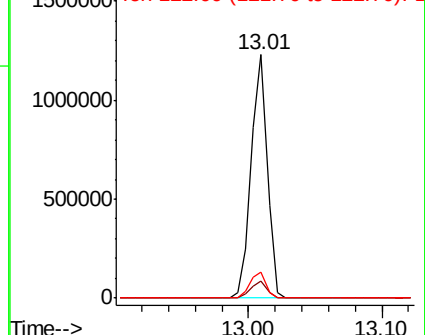
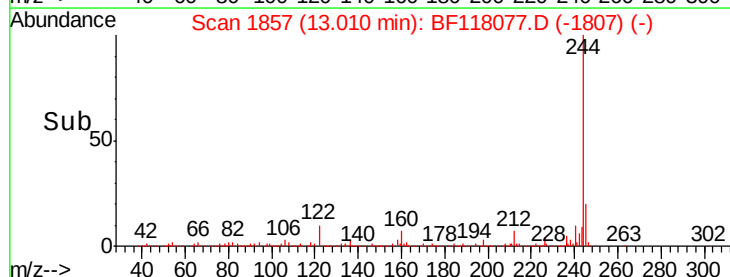


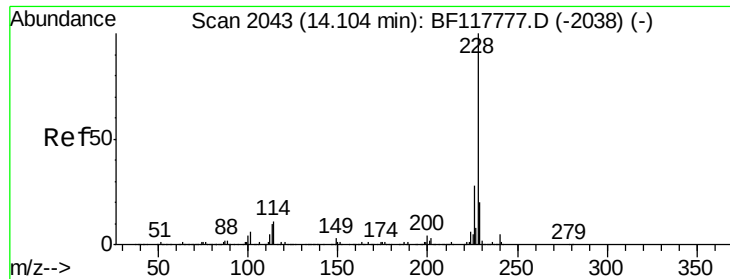
Abundance

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: 13.481 ng

RT: 14.06 min Scan# 2035

Delta R.T. -0.01 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Instrument :

BNA_F

ClientSampleId :

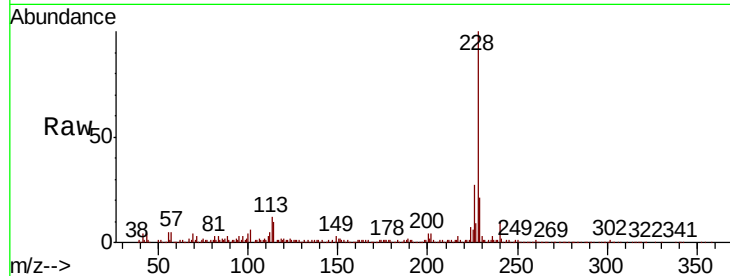
Tot Ion:228 Resp: 269744

Ion Ratio Lower Upper

228 100

226 27.1 21.9 32.9

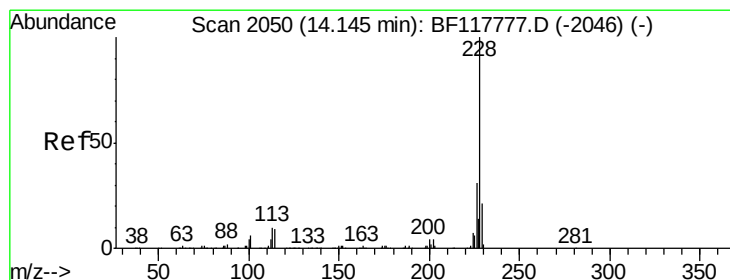
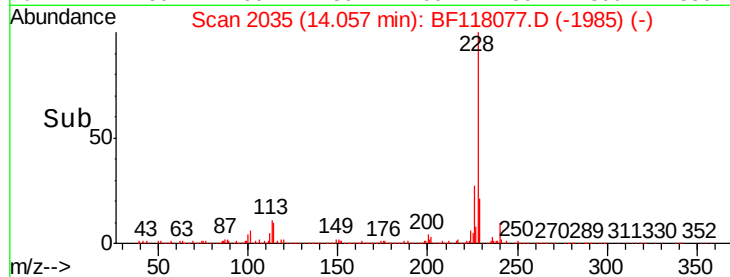
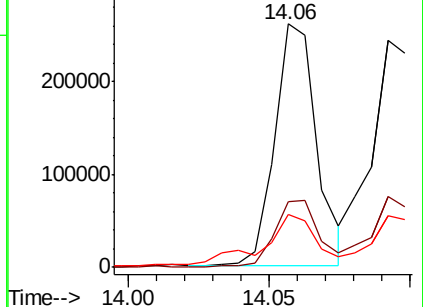
229 21.5 16.2 24.2



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: 13.281 ng

RT: 14.09 min Scan# 2041

Delta R.T. -0.01 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

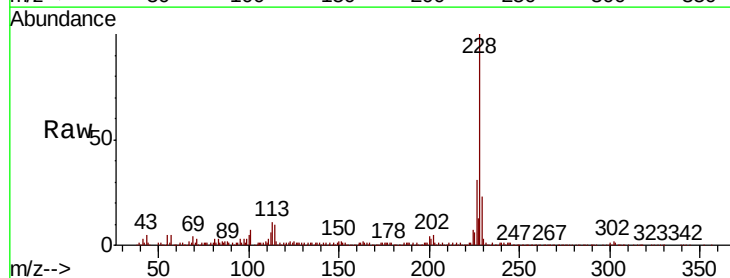
Tgt Ion:228 Resp: 257517

Ion Ratio Lower Upper

228 100

226 31.0 23.6 35.4

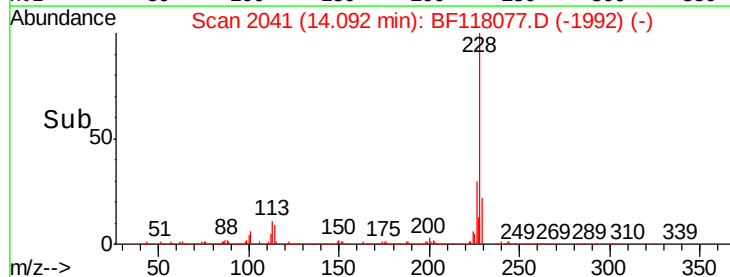
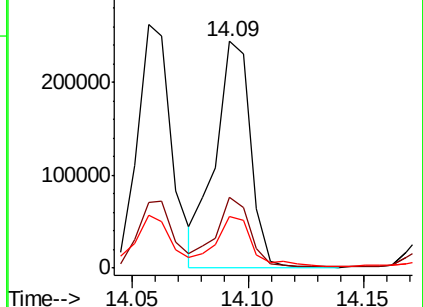
229 22.8 16.2 24.2

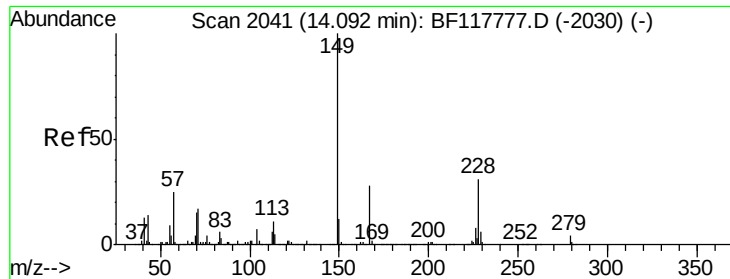


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

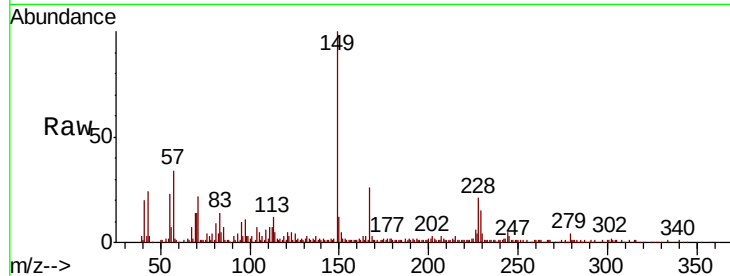




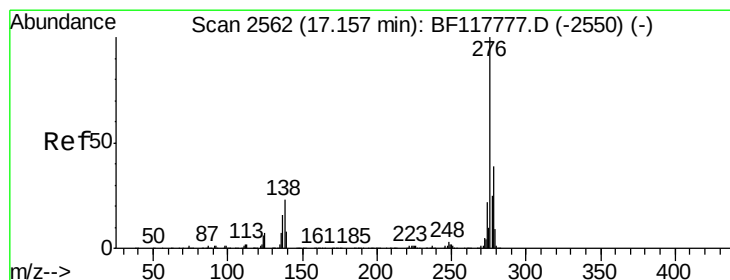
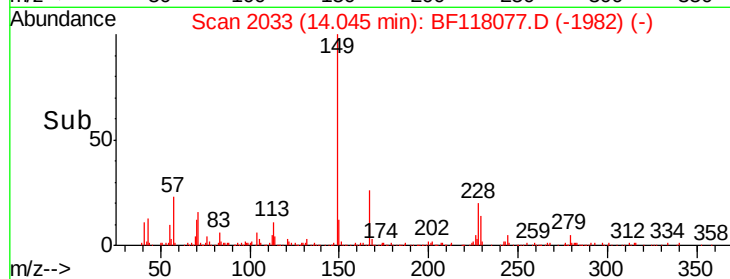
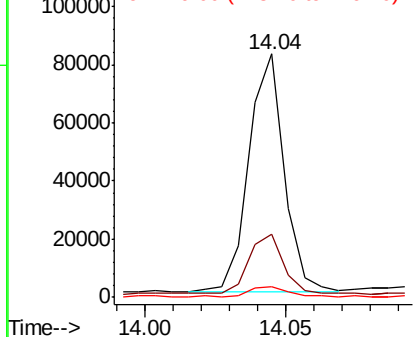
#84
 Bis(2-ethylhexyl)phthalate
 Concen: 5.546 ng
 RT: 14.04 min Scan# 2033
 Delta R.T. 0.00 min
 Lab File: BF118077.D
 Acq: 3 Dec 2019 22:12

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:149 Resp: 70673
 Ion Ratio Lower Upper
 149 100
 167 26.0 21.8 32.8
 279 4.4 3.4 5.0

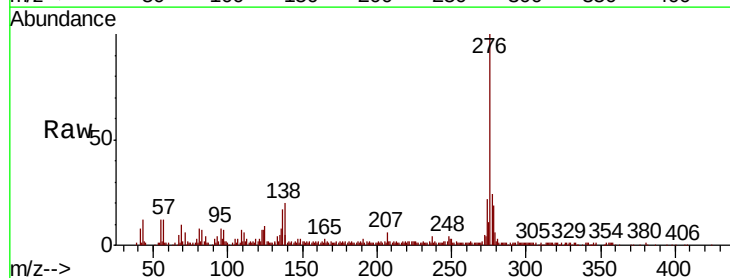


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

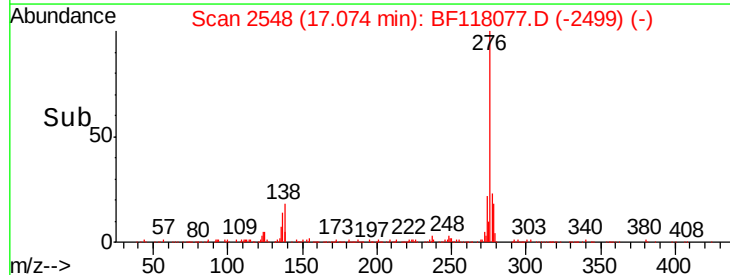
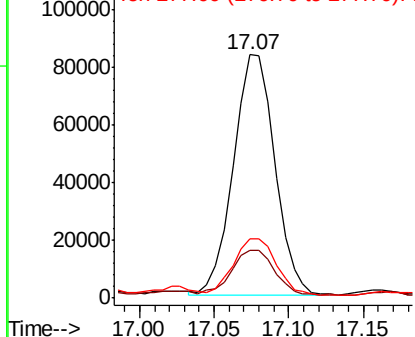


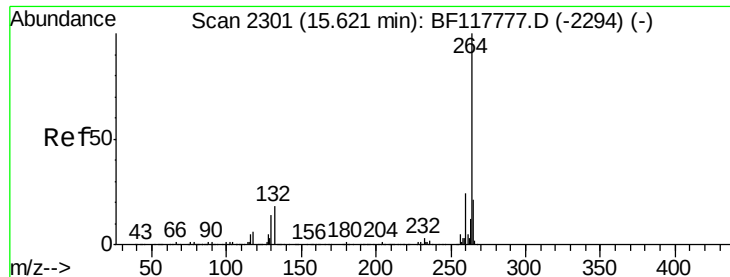
#86
 Indeno(1,2,3-cd)pyrene
 Concen: 9.750 ng
 RT: 17.07 min Scan# 2548
 Delta R.T. -0.01 min
 Lab File: BF118077.D
 Acq: 3 Dec 2019 22:12

Tgt Ion:276 Resp: 160896
 Ion Ratio Lower Upper
 276 100
 138 19.6 19.0 28.6
 277 24.7 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

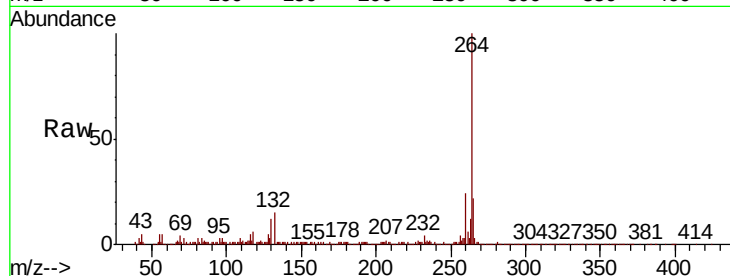




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.57 min Scan# 2292
Delta R.T. 0.00 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.9	19.0	28.6
265	22.4	16.4	24.6

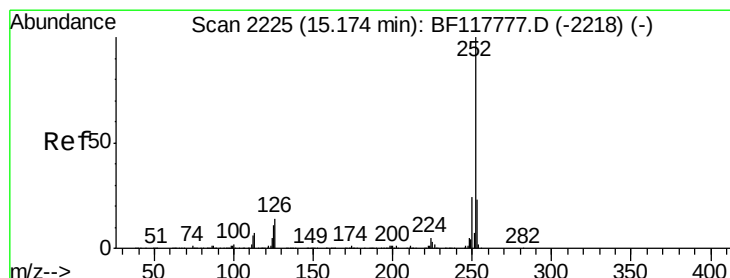
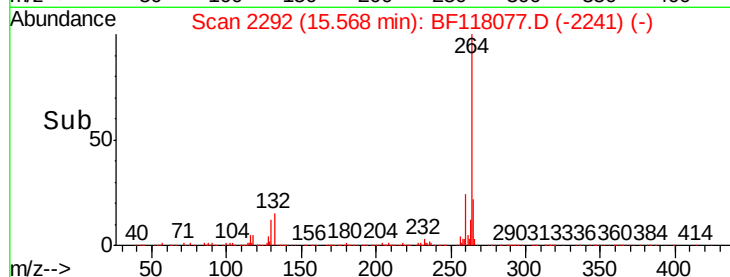
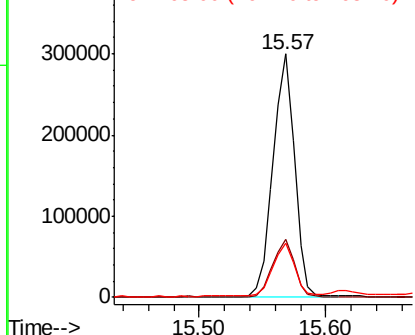


Abundance

Ion 264.00 (263.70 to 264.70): E

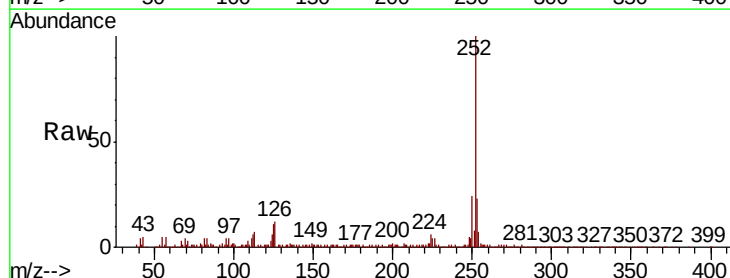
Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88
Benzo(b)fluoranthene
Concen: 21.973 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.00 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	11.2	7.7	11.5

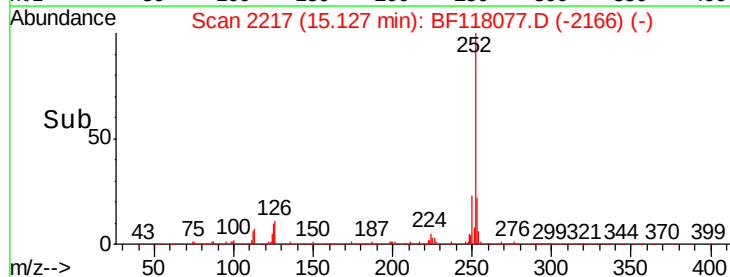
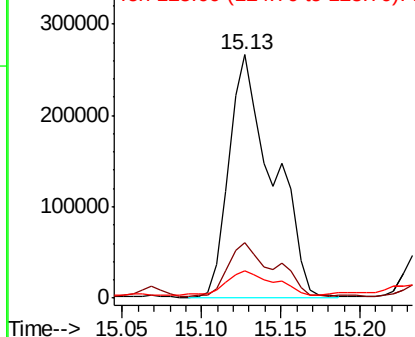


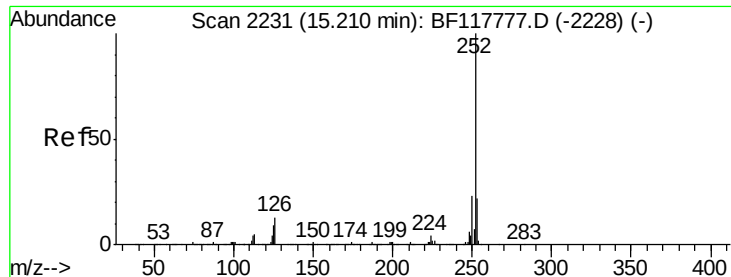
Abundance

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: 23.320 ng

RT: 15.13 min Scan# 2217

Delta R.T. -0.03 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

Instrument :

BNA_F

ClientSampleId :

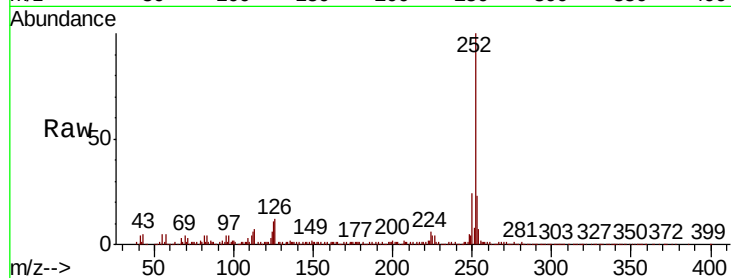
Tot Ion:252 Resp: 507526

Ion Ratio Lower Upper

252 100

253 22.5 17.3 25.9

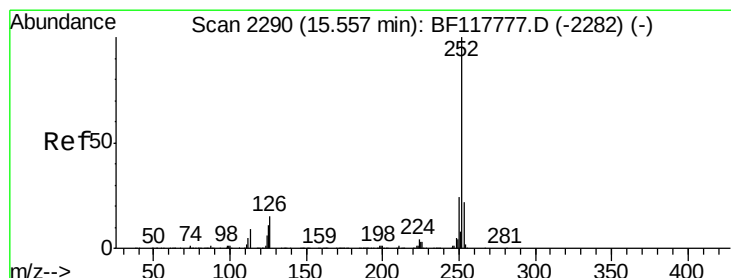
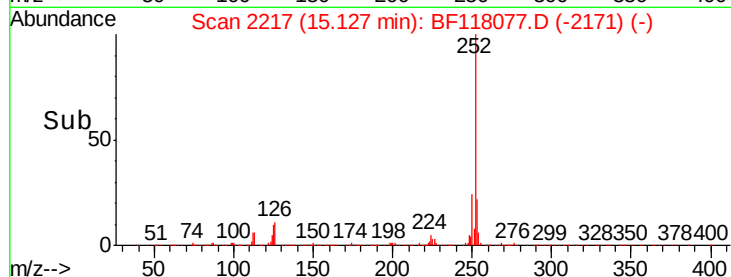
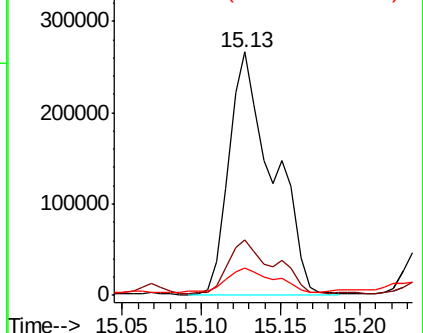
125 11.2 8.5 12.7



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: 12.971 ng

RT: 15.50 min Scan# 2281

Delta R.T. 0.00 min

Lab File: BF118077.D

Acq: 3 Dec 2019 22:12

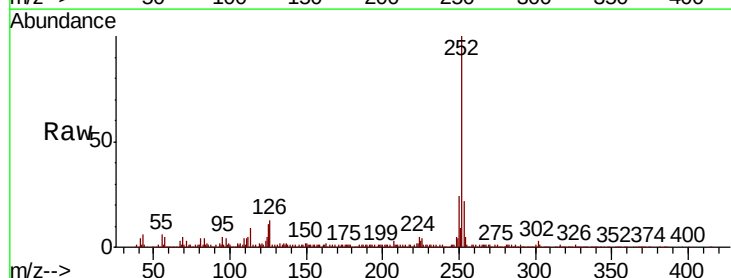
Tgt Ion:252 Resp: 263457

Ion Ratio Lower Upper

252 100

253 22.3 17.1 25.7

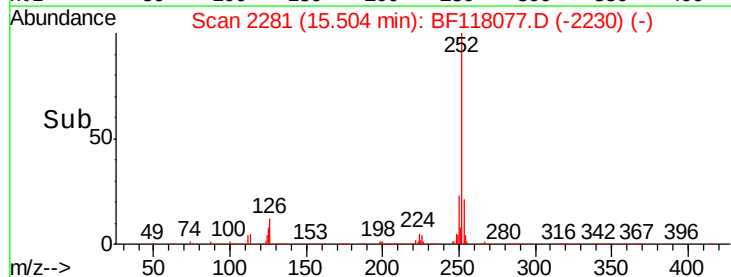
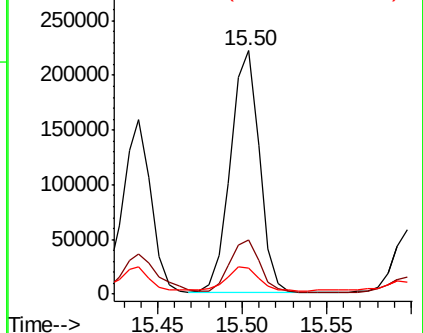
125 10.6 8.9 13.3

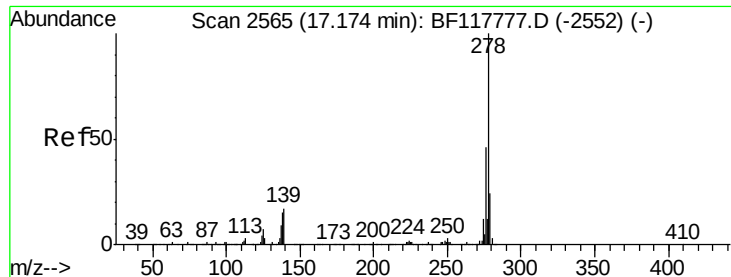


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

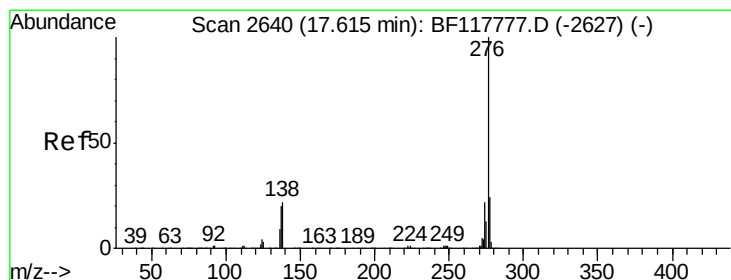
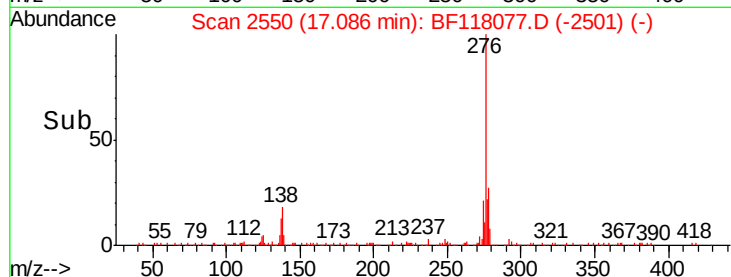
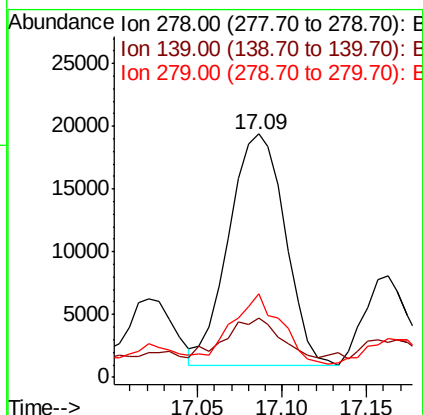
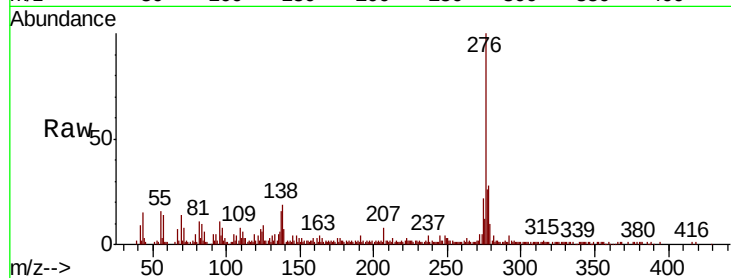




#91
Dibenzo(a,h)anthracene
Concen: 2.436 ng
RT: 17.09 min Scan# 2550
Delta R.T. -0.01 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Instrument :
BNA_F
ClientSampled :

Tot Ion:278 Resp: 42578
Ion Ratio Lower Upper
278 100
139 24.3 12.2 18.4#
279 34.2 19.0 28.6#



#92
Benzo(g,h,i)perylene
Concen: 8.315 ng
RT: 17.54 min Scan# 2627
Delta R.T. 0.00 min
Lab File: BF118077.D
Acq: 3 Dec 2019 22:12

Tgt Ion:276 Resp: 144783
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.4
138 19.0 16.6 25.0

