

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118033.D
 Acq On : 27 Nov 2019 7:22
 Operator : JU
 Sample : K5940-01 5X
 Misc :
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 27 08:39:15 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF111319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 26 05:38:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	104218	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	375473	20.00	ng	0.00
39) Acenaphthene-d10	9.94	164	160596	20.00	ng	0.00
64) Phenanthrene-d10	11.43	188	255202	20.00	ng	0.00
76) Chrysene-d12	14.09	240	197720	20.00	ng	0.00
87) Perylene-d12	15.59	264	162854	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	112269	19.07	ng	0.00
7) Phenol-d6	6.51	99	158987	22.39	ng	-0.01
23) Nitrobenzene-d5	7.45	82	88579	14.02	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	14809	8.71	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	183121	20.46	ng	0.00
79) Terphenyl-d14	13.02	244	169428	15.66	ng	0.00

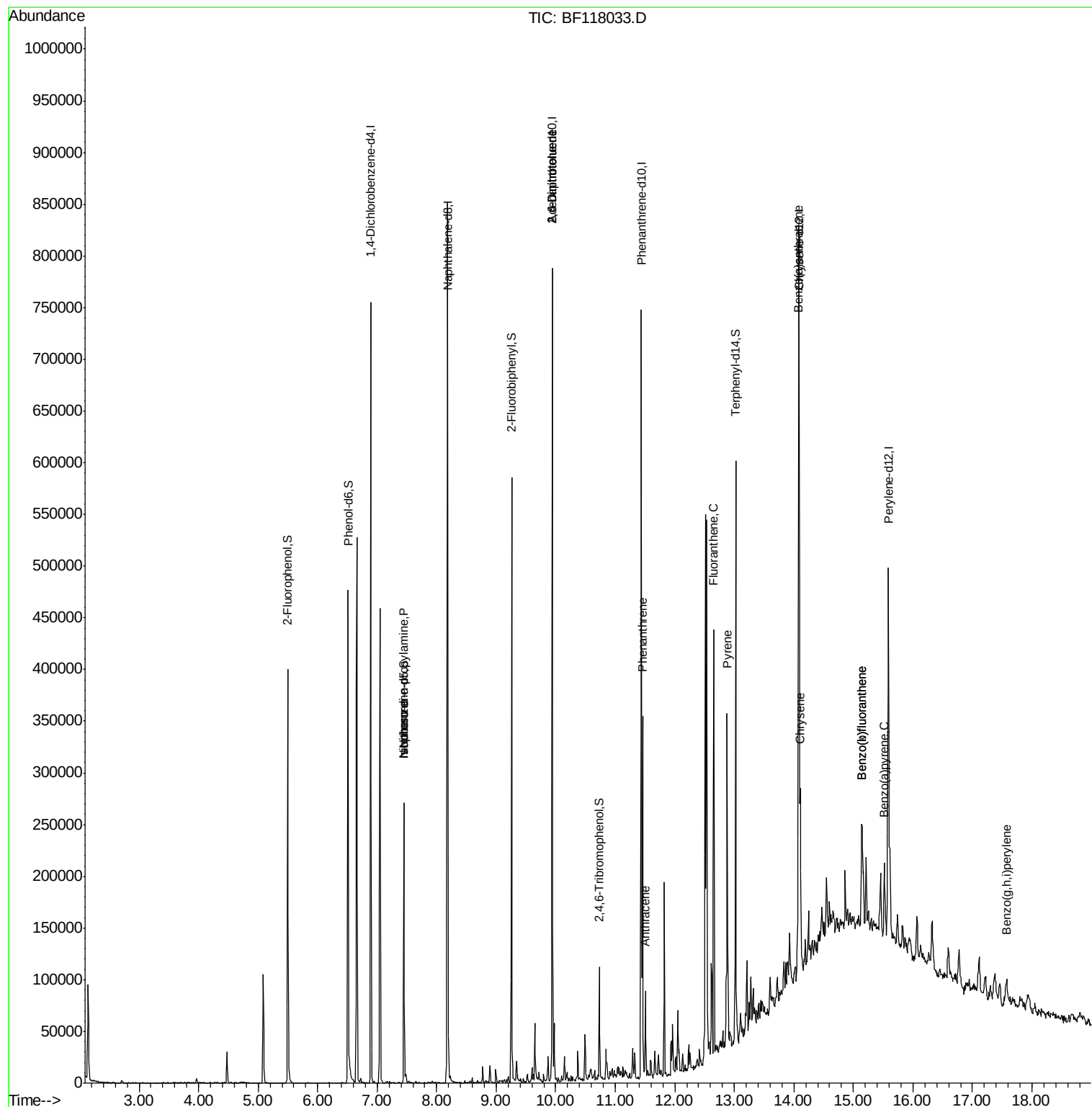
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.50	77	108	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.45	70	11971	2.732	ng	# 70
25) Isophorone	7.45	82	88578	7.651	ng	# 62
51) 2,6-Dinitrotoluene	9.94	165	20899	8.491	ng	# 23
57) 2,4-Dinitrotoluene	9.94	165	20899	6.675	ng	# 24
71) Phenanthrene	11.46	178	118051	9.201	ng	96
72) Anthracene	11.51	178	30229	2.376	ng	97
75) Fluoranthene	12.65	202	158782	7.283	ng	99
78) Pyrene	12.88	202	140787	8.811	ng	97
81) Benzo(a)anthracene	14.07	228	67484	5.165	ng	98
83) Chrysene	14.11	228	56558	4.467	ng	97
88) Benzo(b)fluoranthene	15.14	252	74463	7.038	ng	# 94
89) Benzo(k)fluoranthene	15.14	252	74463	7.469	ng	# 92
90) Benzo(a)pyrene	15.52	252	37596	4.041	ng	95
92) Benzo(a,h,i)perylene	17.57	276	19444	2.438	ng	98

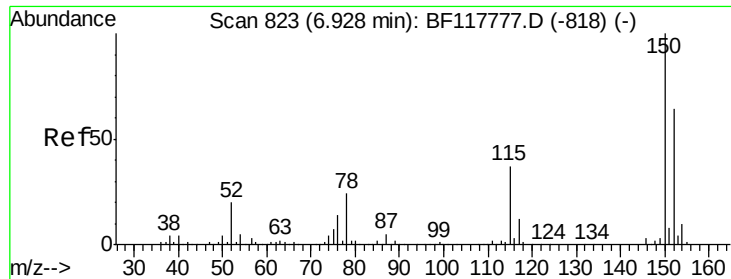
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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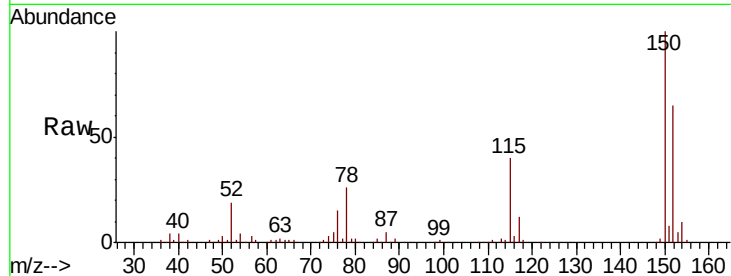




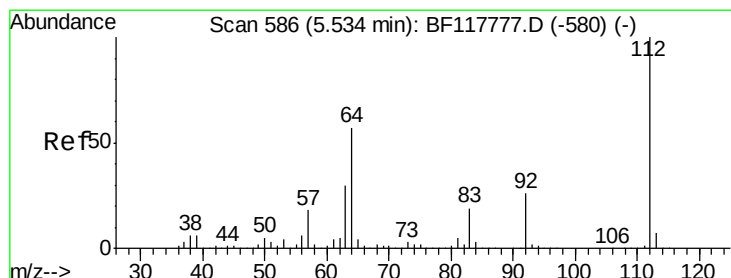
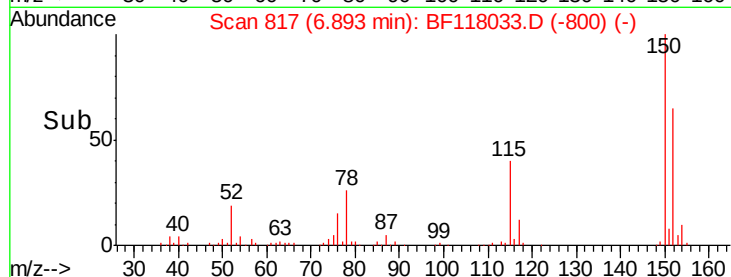
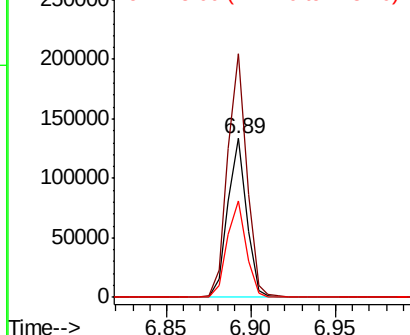
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.89 min Scan# 817
 Delta R.T. 0.00 min
 Lab File: BF118033.D
 Acq: 27 Nov 2019 7:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 104218
 Ion Ratio Lower Upper
 152 100
 150 153.6 125.3 187.9
 115 61.2 47.0 70.4

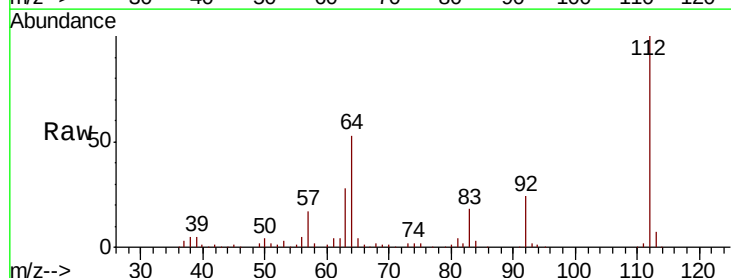


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

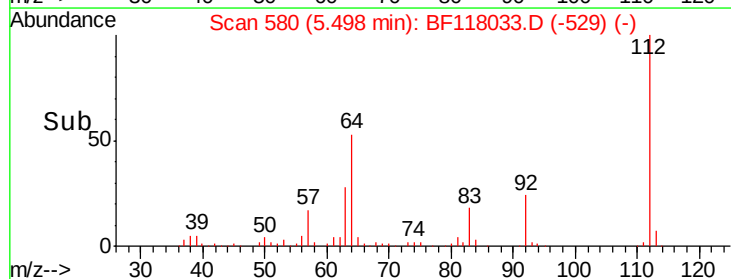
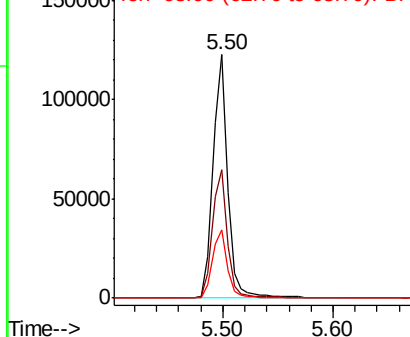


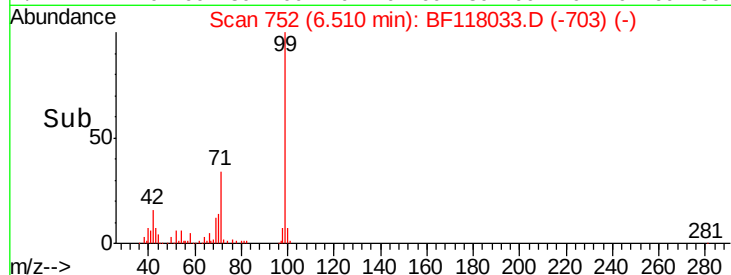
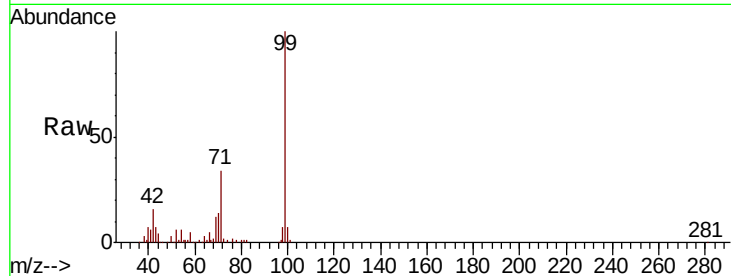
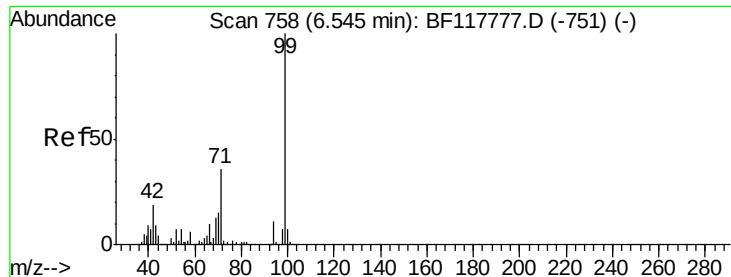
#5
 2-Fluorophenol
 Concen: 19.068 ng
 RT: 5.50 min Scan# 580
 Delta R.T. 0.00 min
 Lab File: BF118033.D
 Acq: 27 Nov 2019 7:22

Tgt Ion:112 Resp: 112269
 Ion Ratio Lower Upper
 112 100
 64 52.7 45.6 68.4
 63 28.2 24.1 36.1



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: 22.388 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118033.D

Acq: 27 Nov 2019 7:22

Instrument :

BNA_F

ClientSampleId :

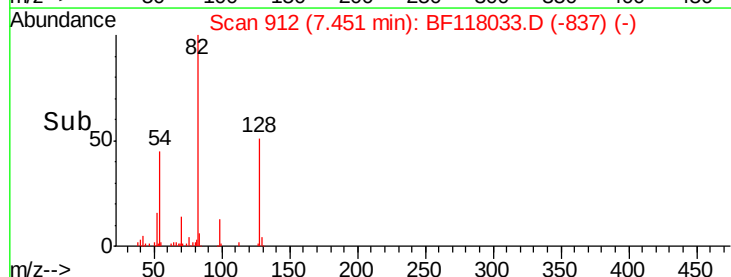
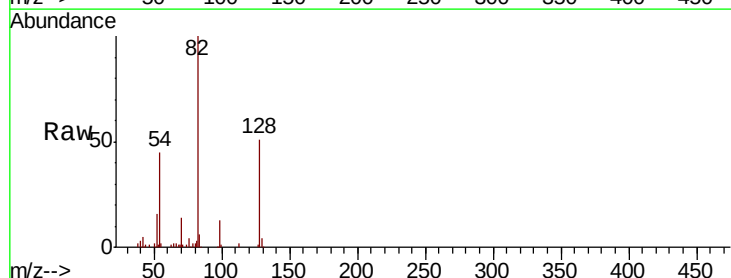
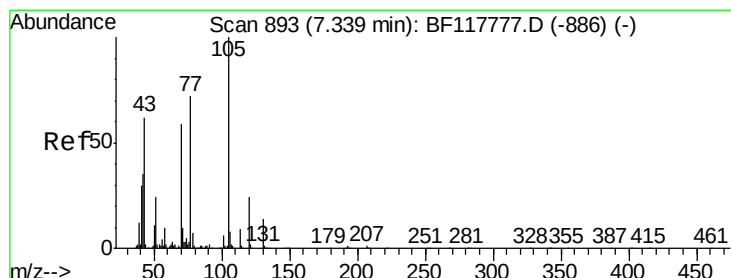
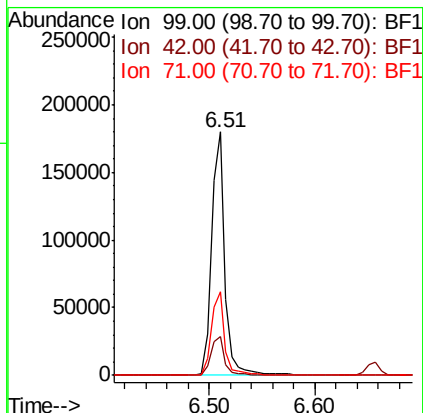
Tot Ion: 99 Resp: 158987

Ion Ratio Lower Upper

99 100

42 15.8 14.9 22.3

71 34.2 28.6 43.0



#19

n-Nitroso-di-n-propylamine

Concen: 2.732 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF118033.D

Acq: 27 Nov 2019 7:22

Tgt Ion: 70 Resp: 11971

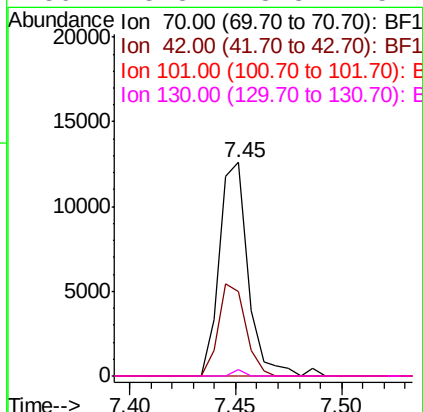
Ion Ratio Lower Upper

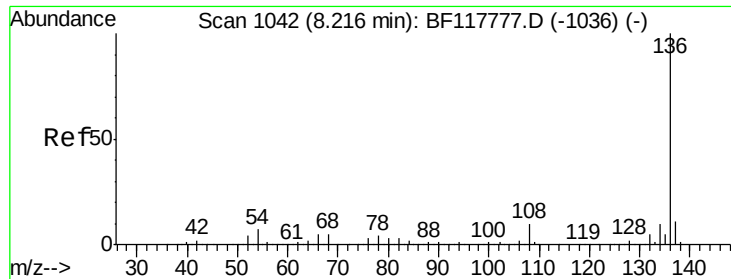
70 100

42 39.6 47.4 71.2#

101 0.0 8.4 12.6#

130 3.3 18.8 28.2#

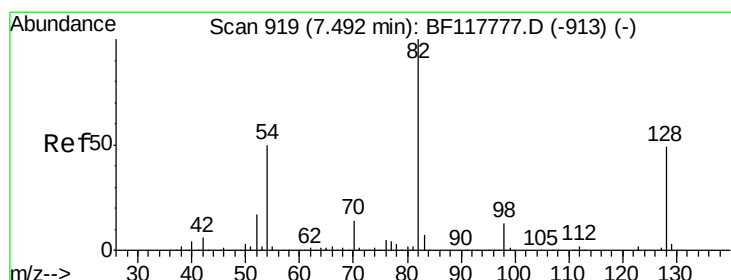
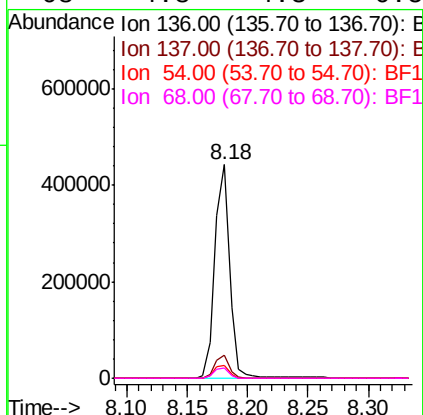
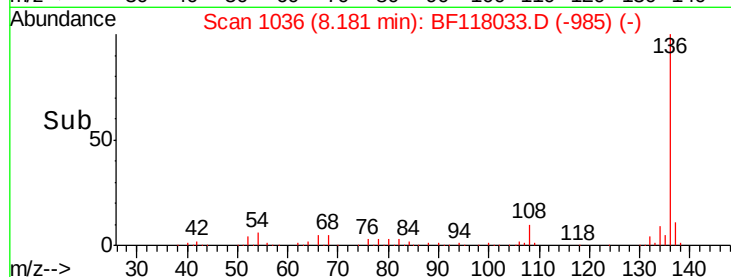
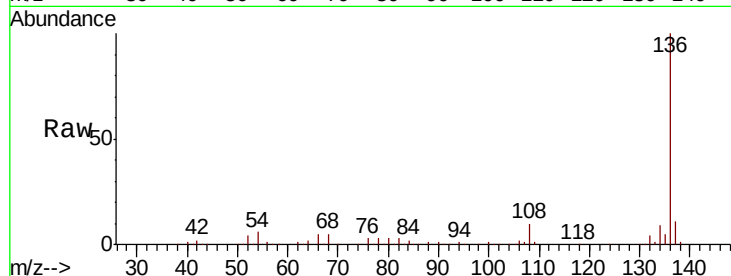




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. 0.00 min
Lab File: BF118033.D
Acq: 27 Nov 2019 7:22

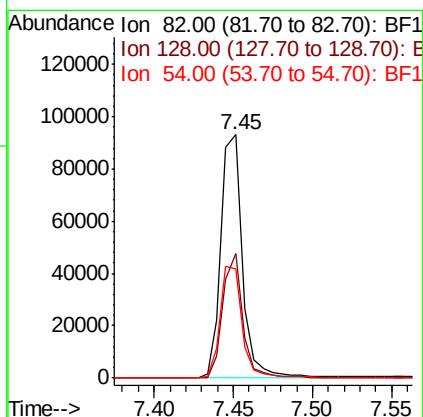
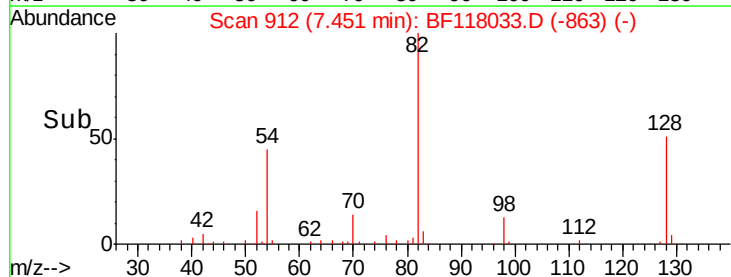
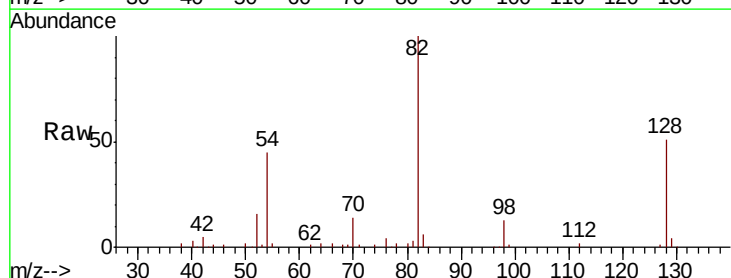
Instrument :
BNA_F
ClientSampleId :

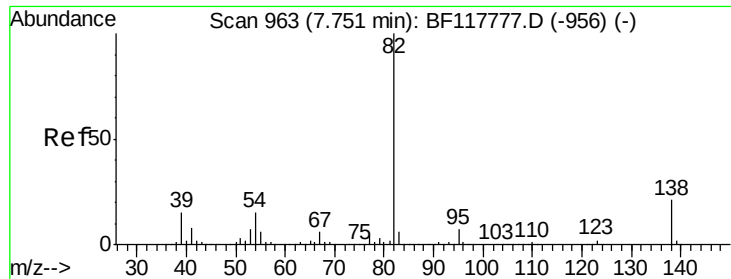
Tot Ion:136	Resp:	375473
Ion Ratio	Lower	Upper
136	100	
137	10.6	9.0 13.4
54	6.1	5.4 8.2
68	4.8	4.3 6.5



#23
Nitrobenzene-d5
Concen: 14.024 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF118033.D
Acq: 27 Nov 2019 7:22

Tgt Ion: 82	Resp:	88579
Ion Ratio	Lower	Upper
82	100	
128	51.0	38.9 58.3
54	44.8	39.8 59.6





#25

Isophorone

Concen: 7.651 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF118033.D

Acq: 27 Nov 2019 7:22

Instrument :

BNA_F

ClientSampleId :

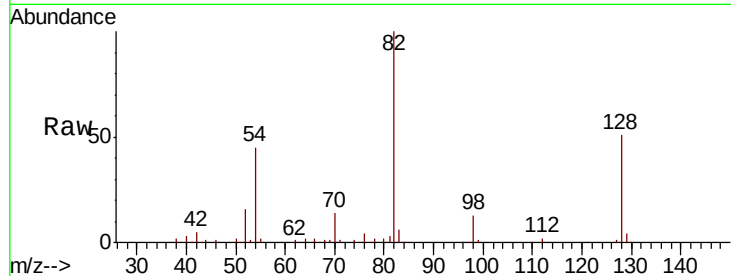
Tot Ion: 82 Resp: 88578

Ion Ratio Lower Upper

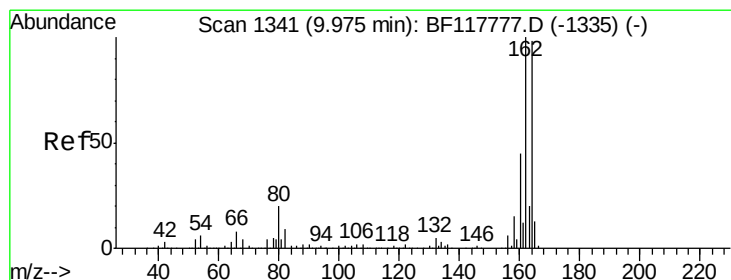
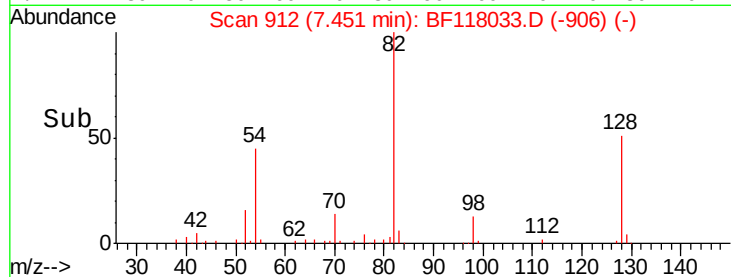
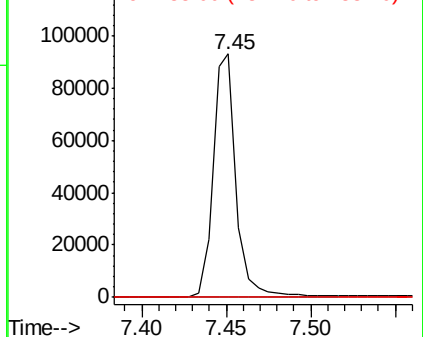
82 100

95 0.0 5.8 8.8#

138 0.0 16.5 24.7#



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



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.94 min Scan# 1335

Delta R.T. -0.01 min

Lab File: BF118033.D

Acq: 27 Nov 2019 7:22

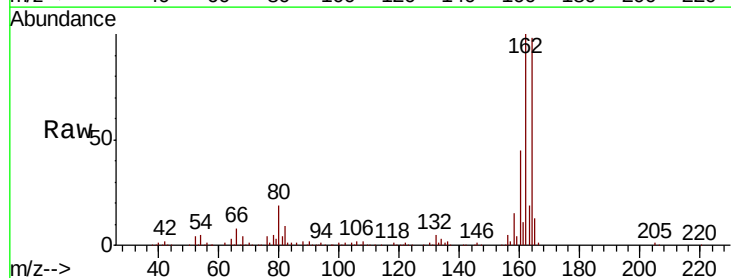
Tgt Ion: 164 Resp: 160596

Ion Ratio Lower Upper

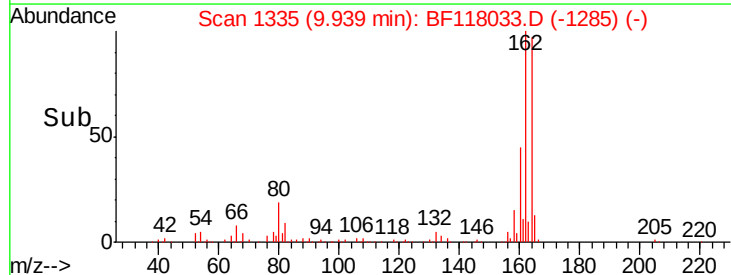
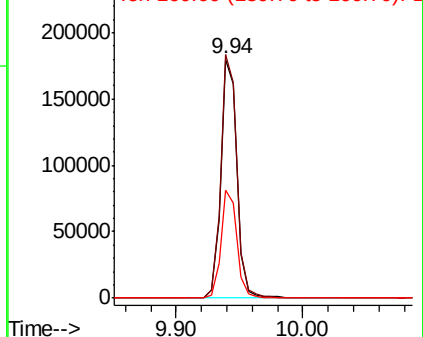
164 100

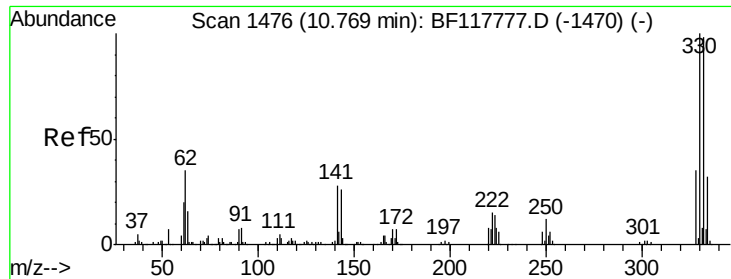
162 102.0 81.3 121.9

160 45.4 36.6 55.0



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: 8.710 ng

RT: 10.73 min Scan# 1470

Delta R.T. -0.01 min

Lab File: BF118033.D

Acq: 27 Nov 2019 7:22

Instrument :

BNA_F

ClientSampleId :

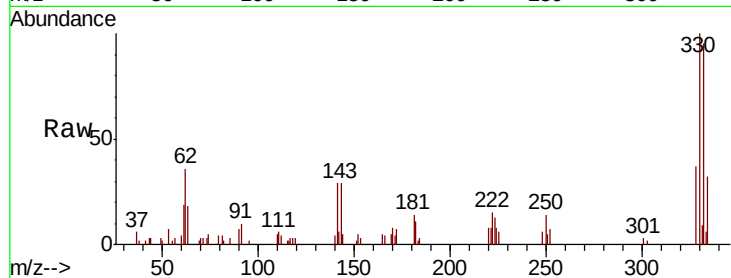
Tot Ion:330 Resp: 14809

Ion Ratio Lower Upper

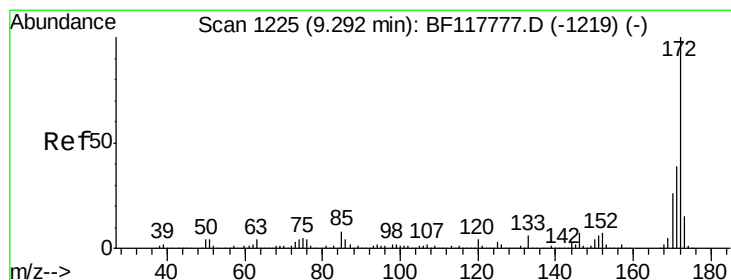
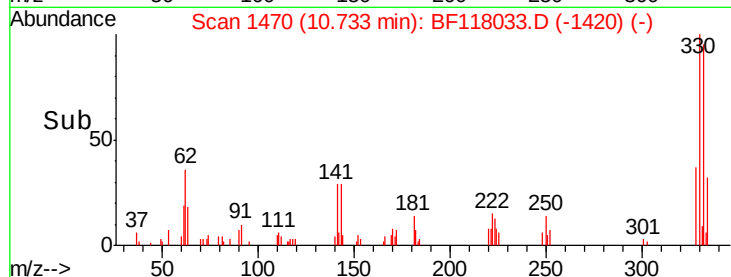
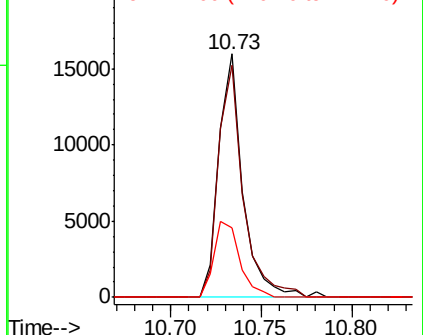
330 100

332 97.5 76.7 115.1

141 33.3 27.7 41.5



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: 20.457 ng

RT: 9.26 min Scan# 1219

Delta R.T. -0.01 min

Lab File: BF118033.D

Acq: 27 Nov 2019 7:22

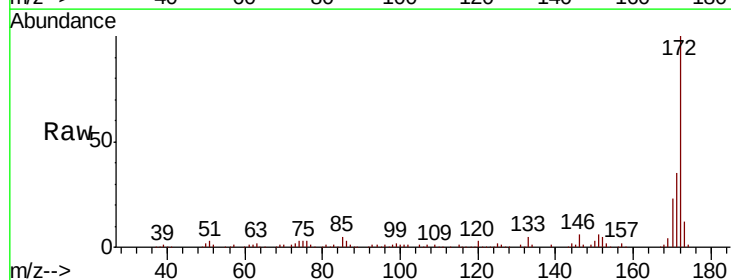
Tgt Ion:172 Resp: 183121

Ion Ratio Lower Upper

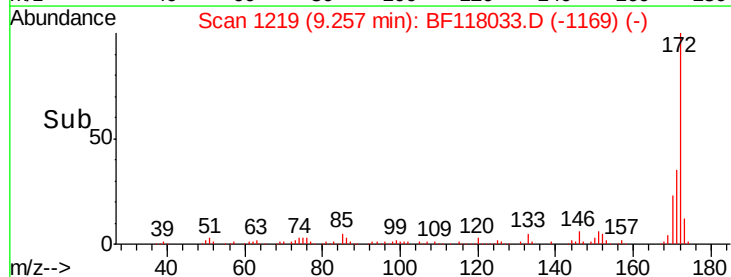
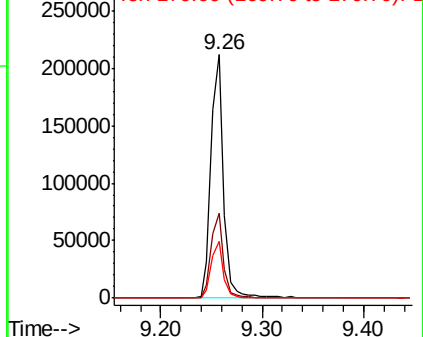
172 100

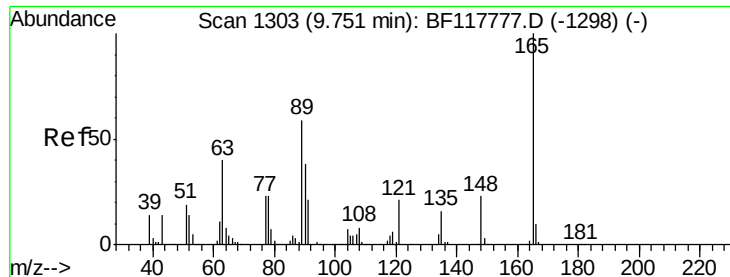
171 34.9 30.9 46.3

170 23.2 21.0 31.4



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

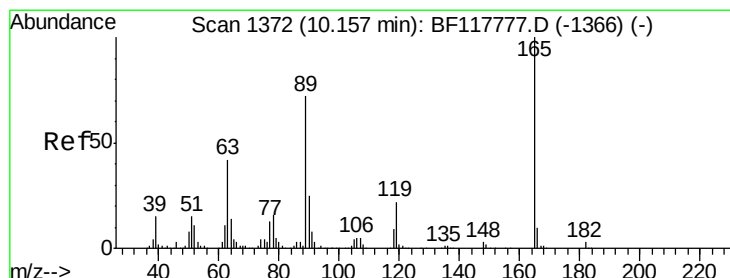
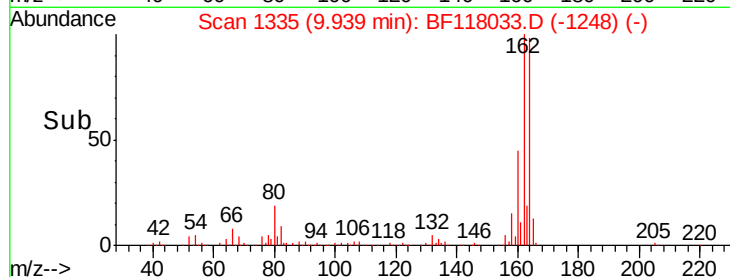
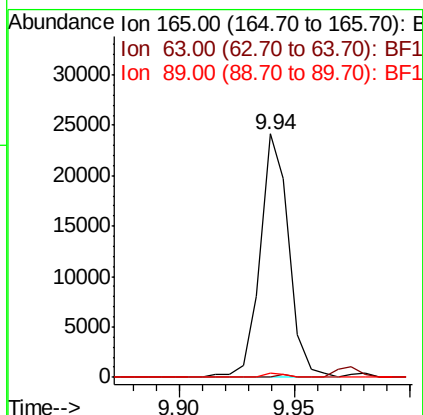
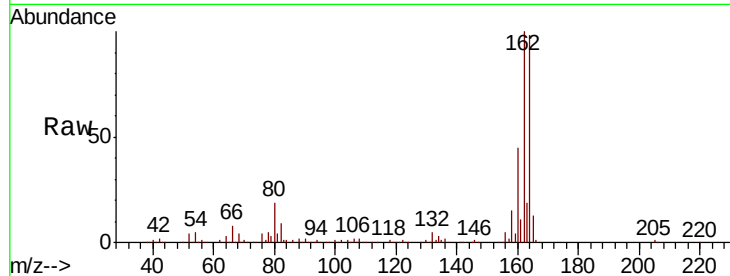




#51
 2,6-Dinitrotoluene
 Concen: 8.491 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. 0.21 min
 Lab File: BF118033.D
 Acq: 27 Nov 2019 7:22

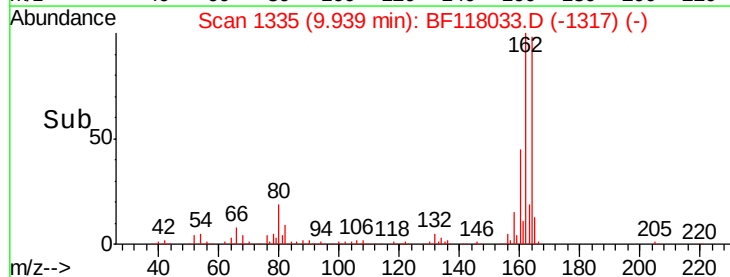
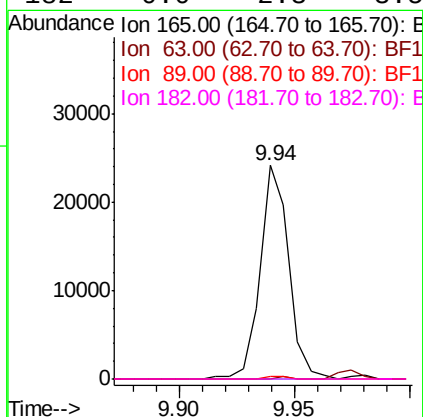
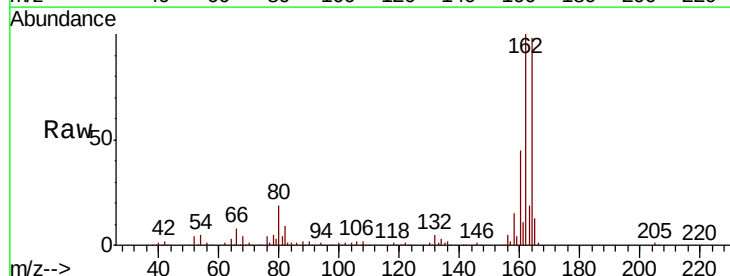
Instrument :
 BNA_F
 ClientSampleId :

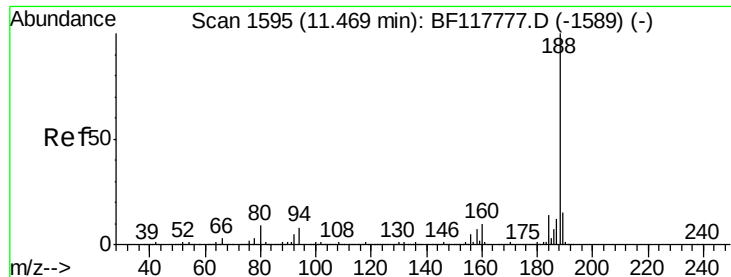
Tot Ion	Ratio	Lower	Upper
165	100		
63	0.0	46.0	69.0#
89	1.5	47.7	71.5#



#57
 2,4-Dinitrotoluene
 Concen: 6.675 ng
 RT: 9.94 min Scan# 1335
 Delta R.T. -0.19 min
 Lab File: BF118033.D
 Acq: 27 Nov 2019 7:22

Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	33.7	50.5#
89	1.5	57.3	85.9#
182	0.0	2.3	3.5#

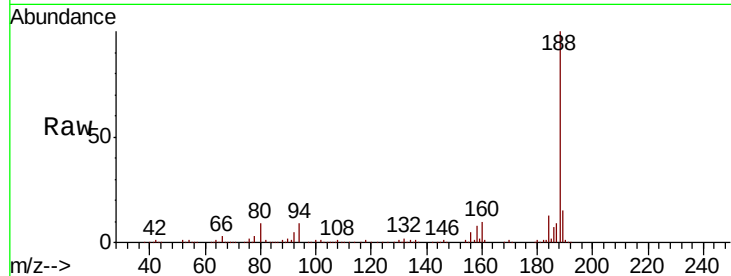




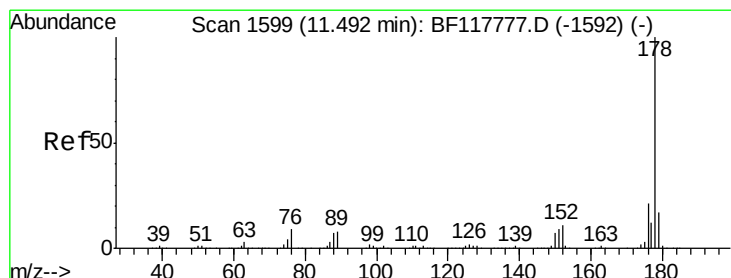
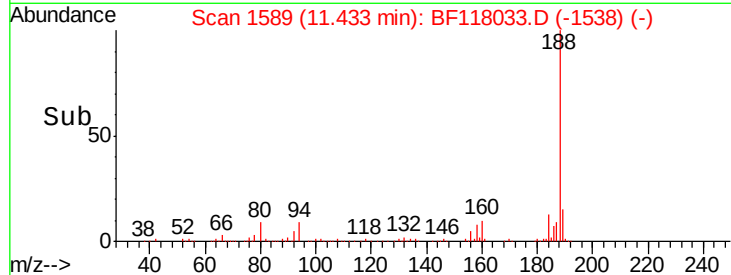
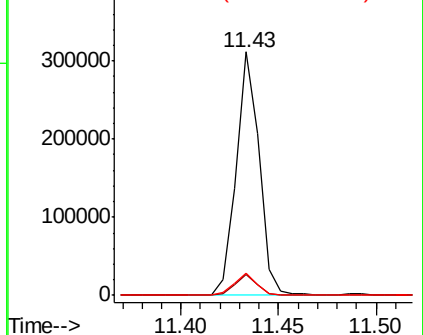
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.43 min Scan# 1589
Delta R.T. 0.00 min
Lab File: BF118033.D
Acq: 27 Nov 2019 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 255202
Ion Ratio Lower Upper
188 100
94 8.8 6.6 10.0
80 9.2 7.2 10.8

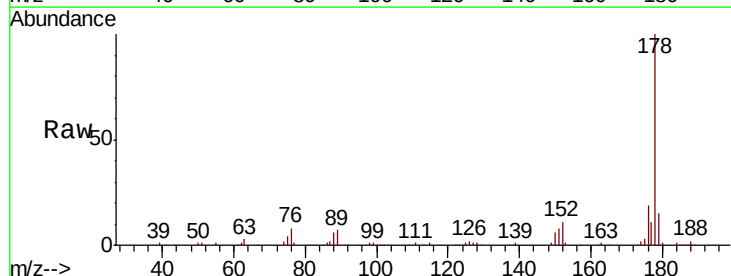


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

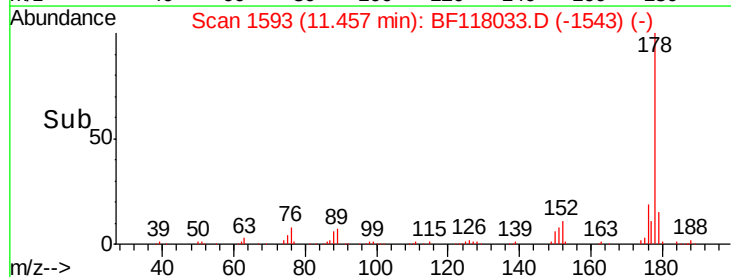
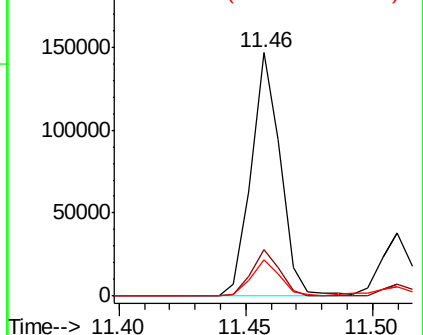


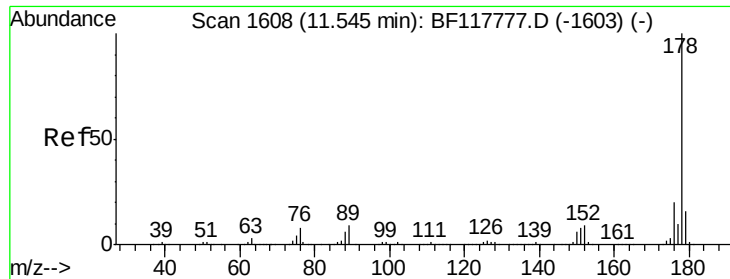
#71
Phenanthrene
Concen: 9.201 ng
RT: 11.46 min Scan# 1593
Delta R.T. -0.01 min
Lab File: BF118033.D
Acq: 27 Nov 2019 7:22

Tgt Ion:178 Resp: 118051
Ion Ratio Lower Upper
178 100
176 18.9 16.6 25.0
179 15.0 13.2 19.8



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

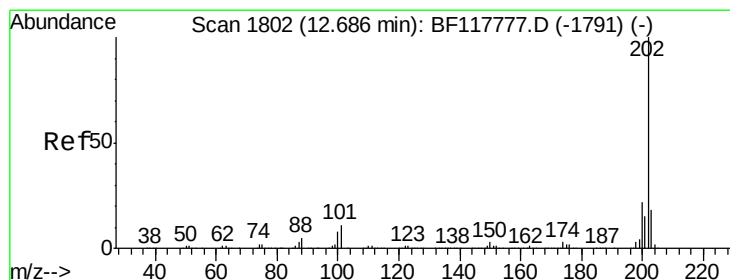
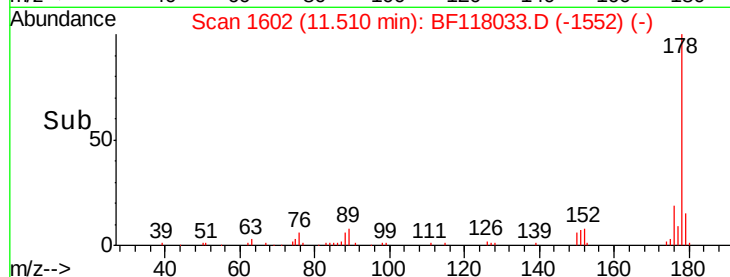
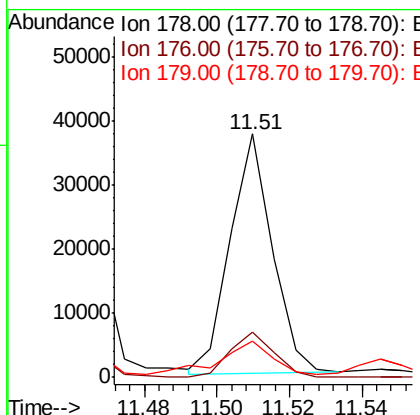
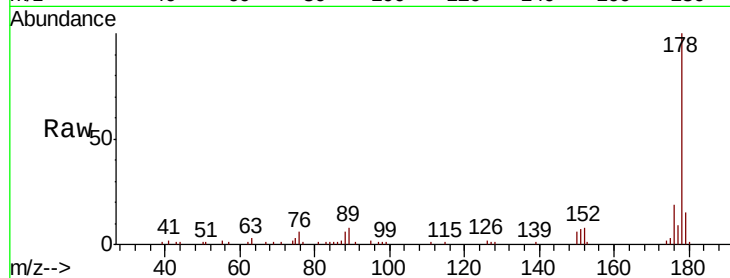




#72
 Anthracene
 Concen: 2.376 ng
 RT: 11.51 min Scan# 1602
 Delta R.T. -0.01 min
 Lab File: BF118033.D
 Acq: 27 Nov 2019 7:22

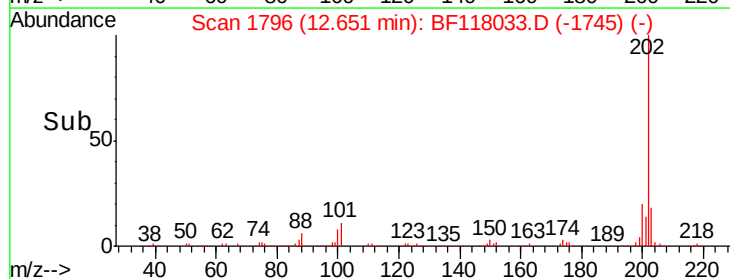
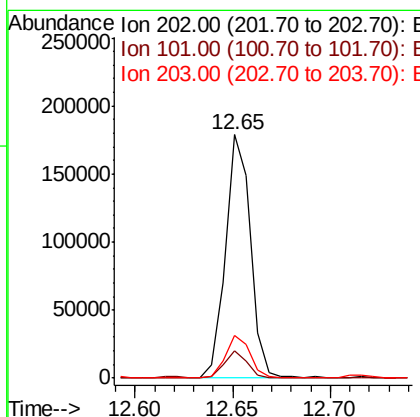
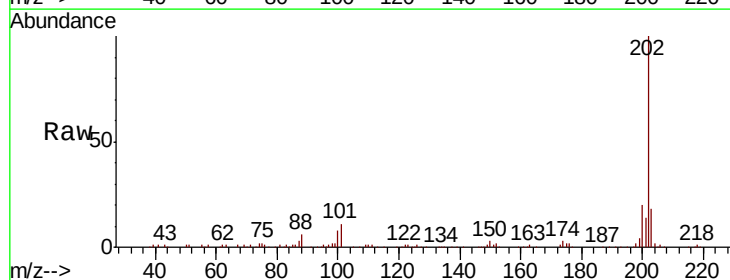
Instrument :
 BNA_F
 ClientSampleId :

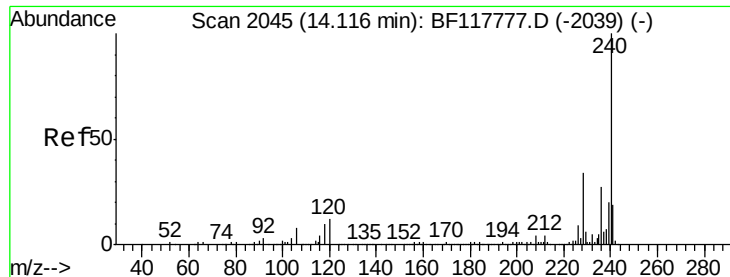
Tot Ion	Ratio	Lower	Upper
178	100		
176	18.6	16.1	24.1
179	14.8	13.0	19.4



#75
 Fluoranthene
 Concen: 7.283 ng
 RT: 12.65 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: BF118033.D
 Acq: 27 Nov 2019 7:22

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.0	0.0	31.1
203	17.7	0.0	38.2

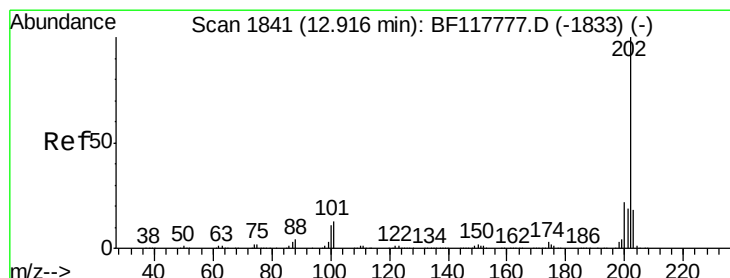
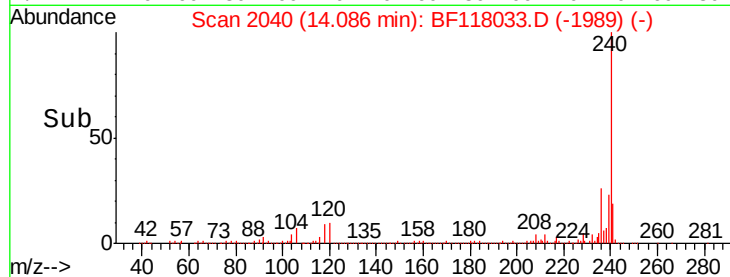
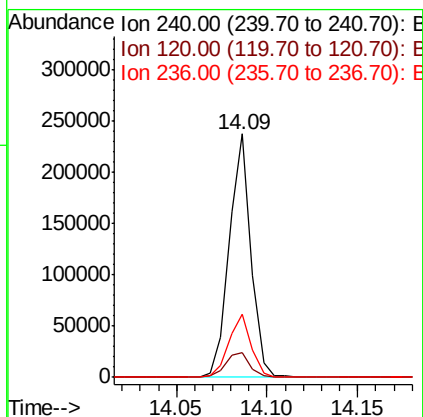
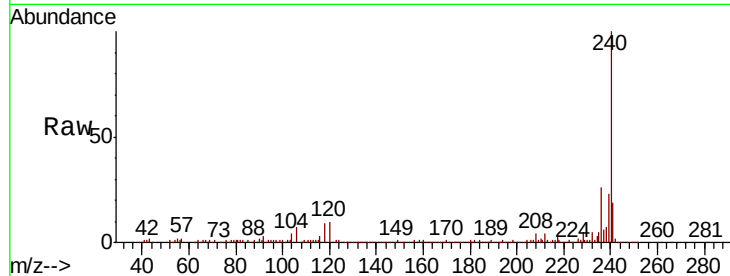




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 14.09 min Scan# 2040
 Delta R.T. 0.00 min
 Lab File: BF118033.D
 Acq: 27 Nov 2019 7:22

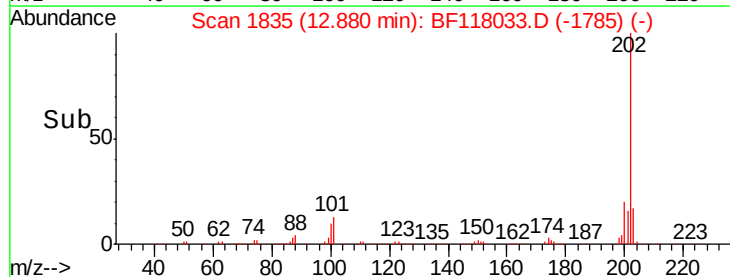
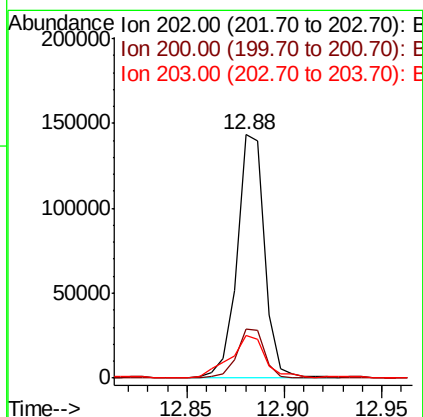
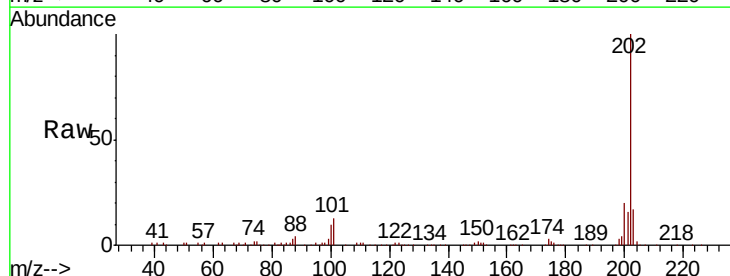
Instrument :
 BNA_F
 ClientSampleId :

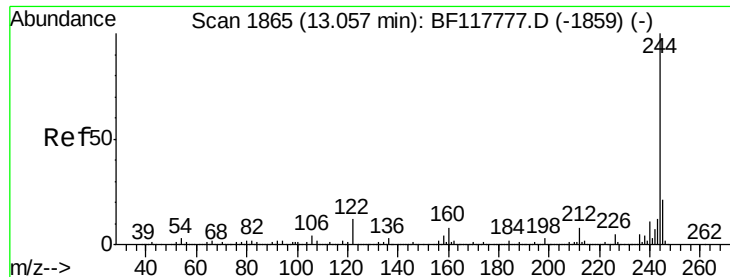
Tot Ion:240 Resp: 197720
 Ion Ratio Lower Upper
 240 100
 120 10.2 9.5 14.3
 236 26.2 21.3 31.9



#78
 Pyrene
 Concen: 8.811 ng
 RT: 12.88 min Scan# 1835
 Delta R.T. -0.01 min
 Lab File: BF118033.D
 Acq: 27 Nov 2019 7:22

Tgt Ion:202 Resp: 140787
 Ion Ratio Lower Upper
 202 100
 200 20.2 17.8 26.8
 203 17.3 14.6 22.0

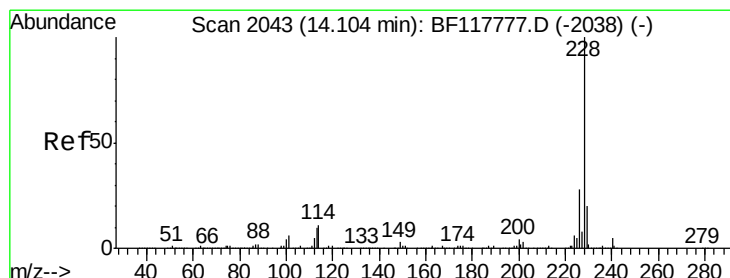
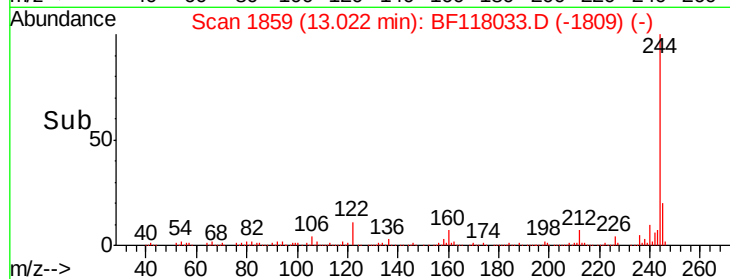
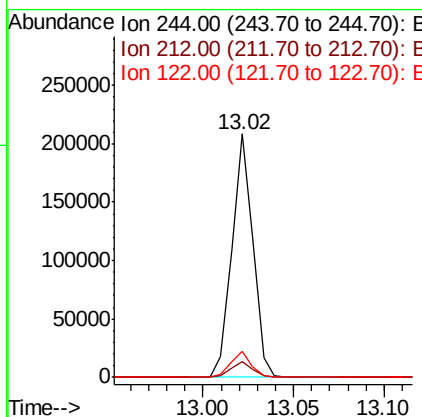
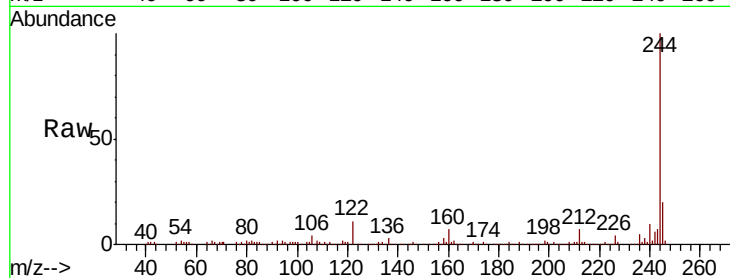




#79
 Terphenyl-d14
 Concen: 15.661 ng
 RT: 13.02 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: BF118033.D
 Acq: 27 Nov 2019 7:22

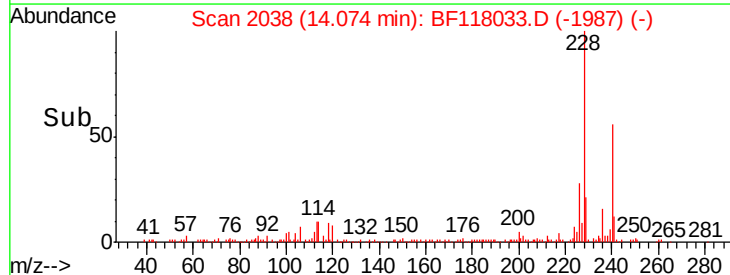
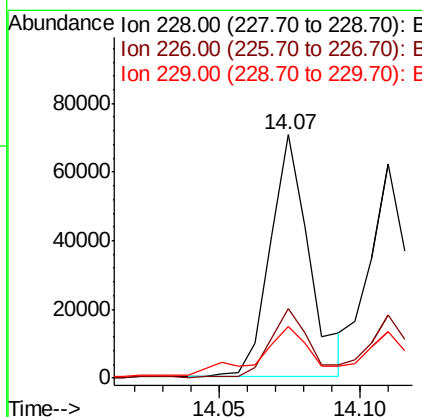
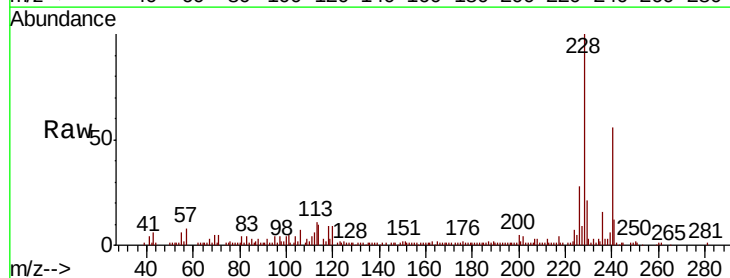
Instrument :
 BNA_F
 ClientSampled :

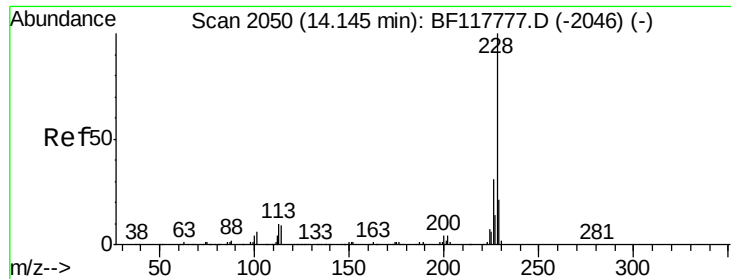
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.7	6.3	9.5
122	10.7	9.4	14.2



#81
 Benzo(a)anthracene
 Concen: 5.165 ng
 RT: 14.07 min Scan# 2038
 Delta R.T. 0.00 min
 Lab File: BF118033.D
 Acq: 27 Nov 2019 7:22

Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.4	22.2	33.2
229	21.4	15.9	23.9

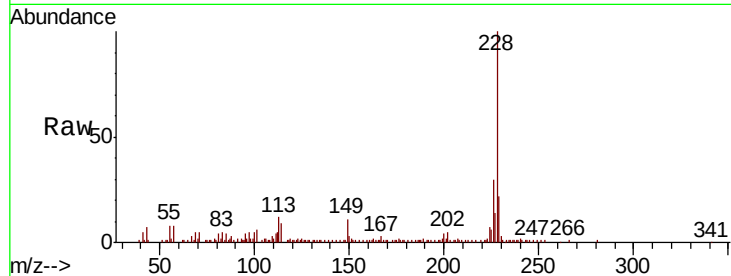




#83
Chrysene
Concen: 4.467 ng
RT: 14.11 min Scan# 2044
Delta R.T. -0.01 min
Lab File: BF118033.D
Acq: 27 Nov 2019 7:22

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.0	37.4
229	21.9	16.6	25.0

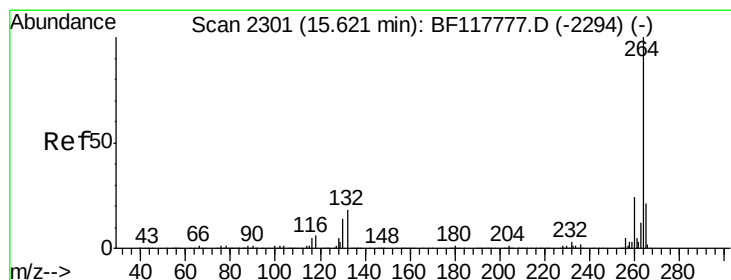
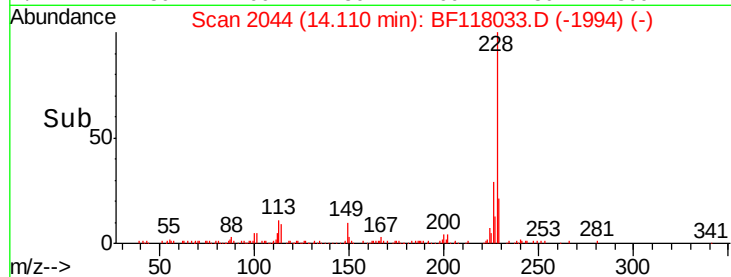
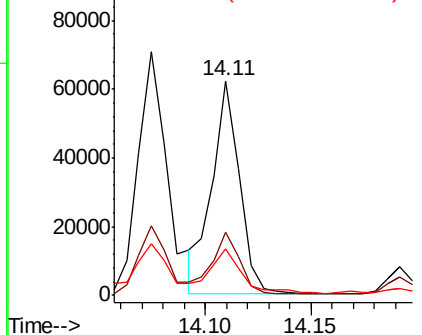


Abundance

Ion 228.00 (227.70 to 228.70): E

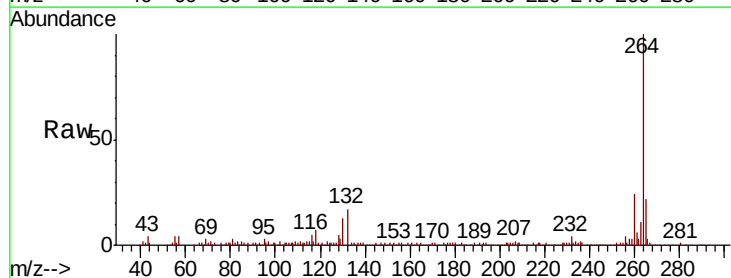
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF118033.D
Acq: 27 Nov 2019 7:22

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.6	19.4	29.0
265	21.6	17.1	25.7

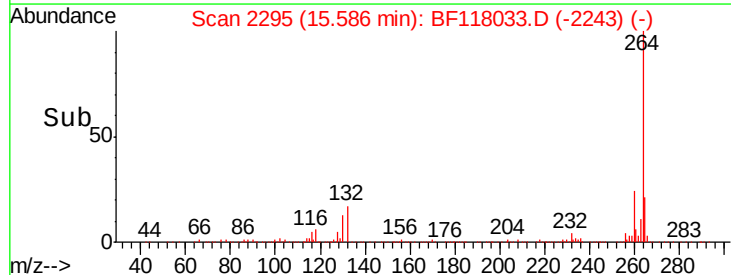
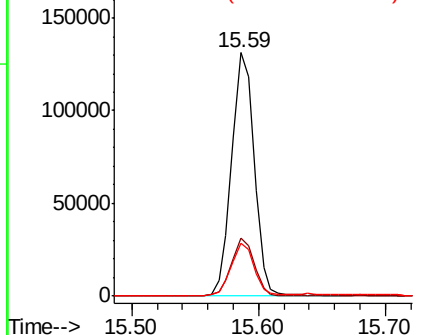


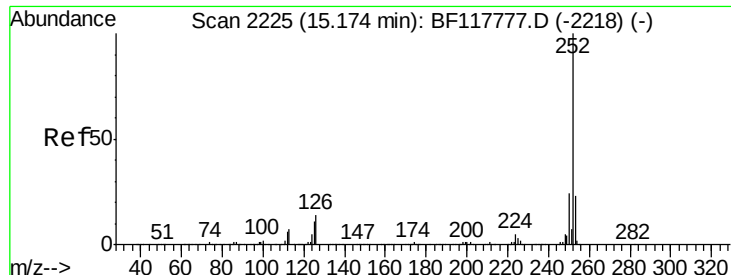
Abundance

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

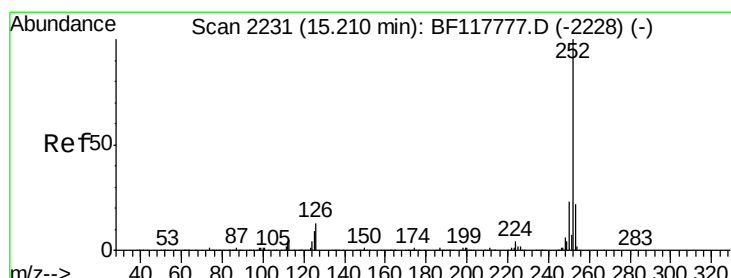
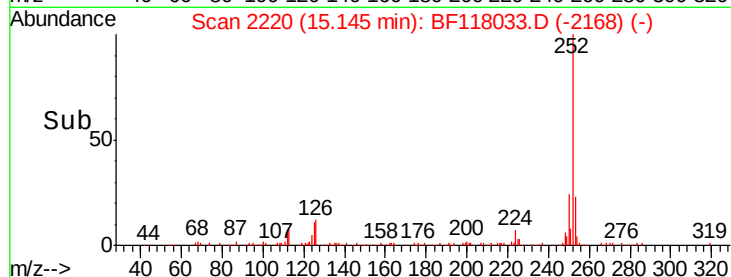
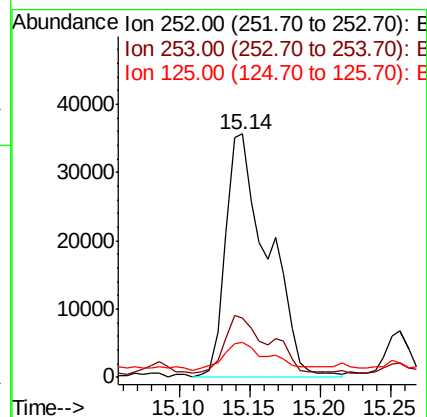
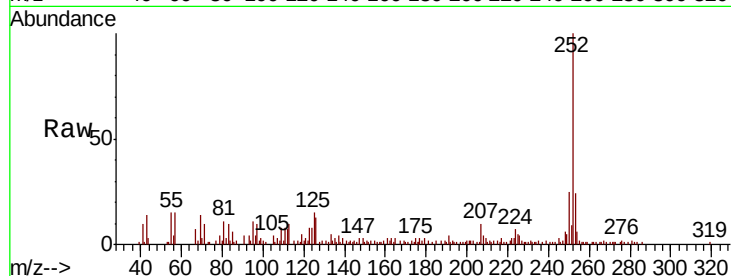




#88
Benzo(b)fluoranthene
Concen: 7.038 ng
RT: 15.14 min Scan# 2220
Delta R.T. 0.01 min
Lab File: BF118033.D
Acq: 27 Nov 2019 7:22

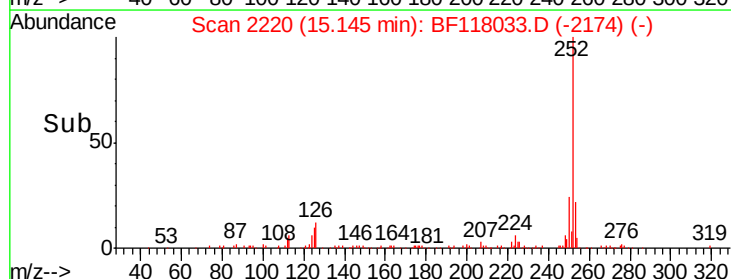
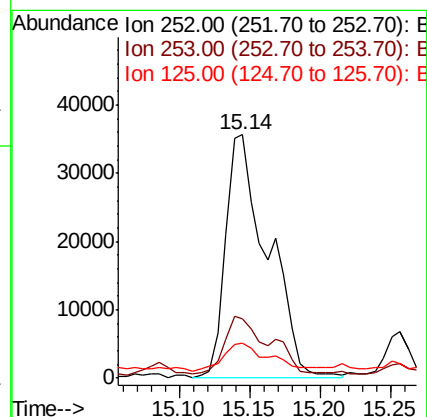
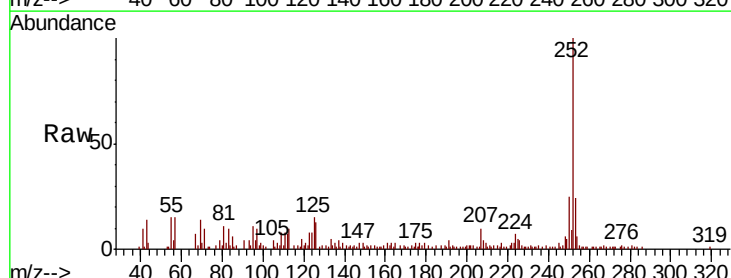
Instrument :
BNA_F
ClientSampled :

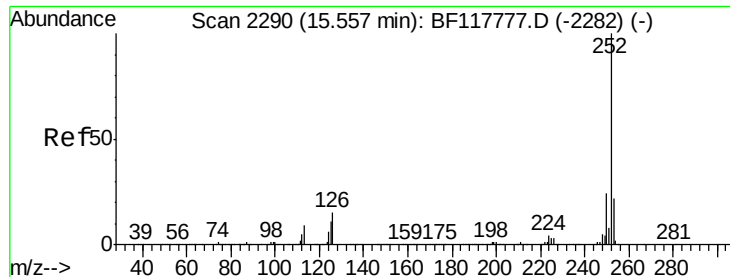
Tot Ion:252 Resp: 74463
Ion Ratio Lower Upper
252 100
253 24.4 18.0 27.0
125 14.6 8.6 13.0#



#89
Benzo(k)fluoranthene
Concen: 7.469 ng
RT: 15.14 min Scan# 2220
Delta R.T. -0.03 min
Lab File: BF118033.D
Acq: 27 Nov 2019 7:22

Tgt Ion:252 Resp: 74463
Ion Ratio Lower Upper
252 100
253 24.4 17.5 26.3
125 14.6 7.9 11.9#

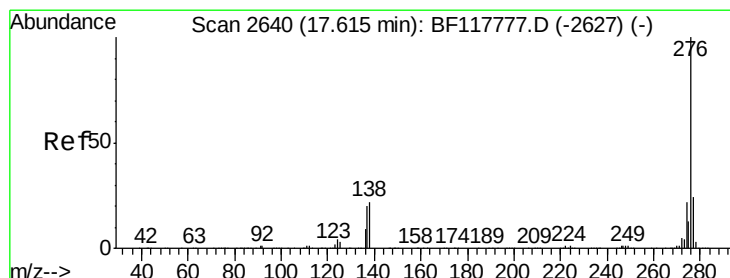
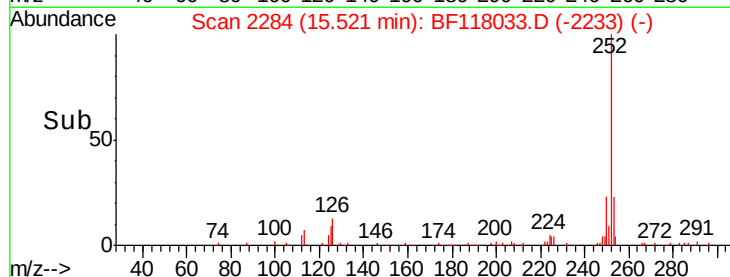
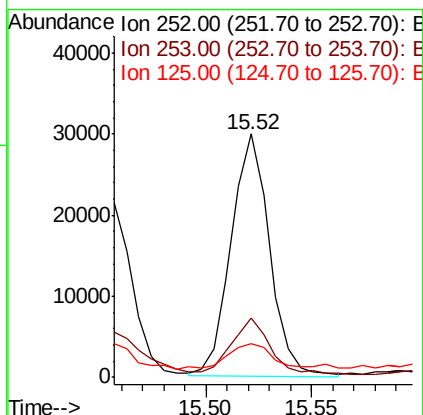
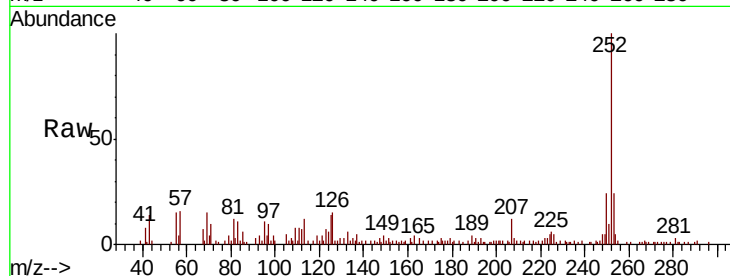




#90
Benzo(a)pyrene
Concen: 4.041 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.00 min
Lab File: BF118033.D
Acq: 27 Nov 2019 7:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.8	26.6
125	13.6	9.2	13.8



#92
Benzo(g,h,i)perylene
Concen: 2.438 ng
RT: 17.57 min Scan# 2632
Delta R.T. 0.01 min
Lab File: BF118033.D
Acq: 27 Nov 2019 7:22

Tgt Ion	Ratio	Lower	Upper
276	100		
277	25.7	18.9	28.3
138	22.0	17.4	26.2

