

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118051.D
 Acq On : 27 Nov 2019 20:00
 Operator : JU
 Sample : K5977-06
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 00:16:31 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	124598	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	443834	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	195753	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	328220	20.00	ng	0.00
76) Chrysene-d12	14.08	240	322446	20.00	ng	0.00
87) Perylene-d12	15.59	264	287813	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.50	112	648521	92.13	ng	0.00
7) Phenol-d6	6.51	99	785011	92.46	ng	-0.01
23) Nitrobenzene-d5	7.45	82	471434	63.14	ng	-0.02
42) 2,4,6-Tribromophenol	10.73	330	182771	88.19	ng	-0.01
45) 2-Fluorobiphenyl	9.25	172	855719	78.42	ng	-0.01
79) Terphenyl-d14	13.02	244	938744	53.21	ng	0.00

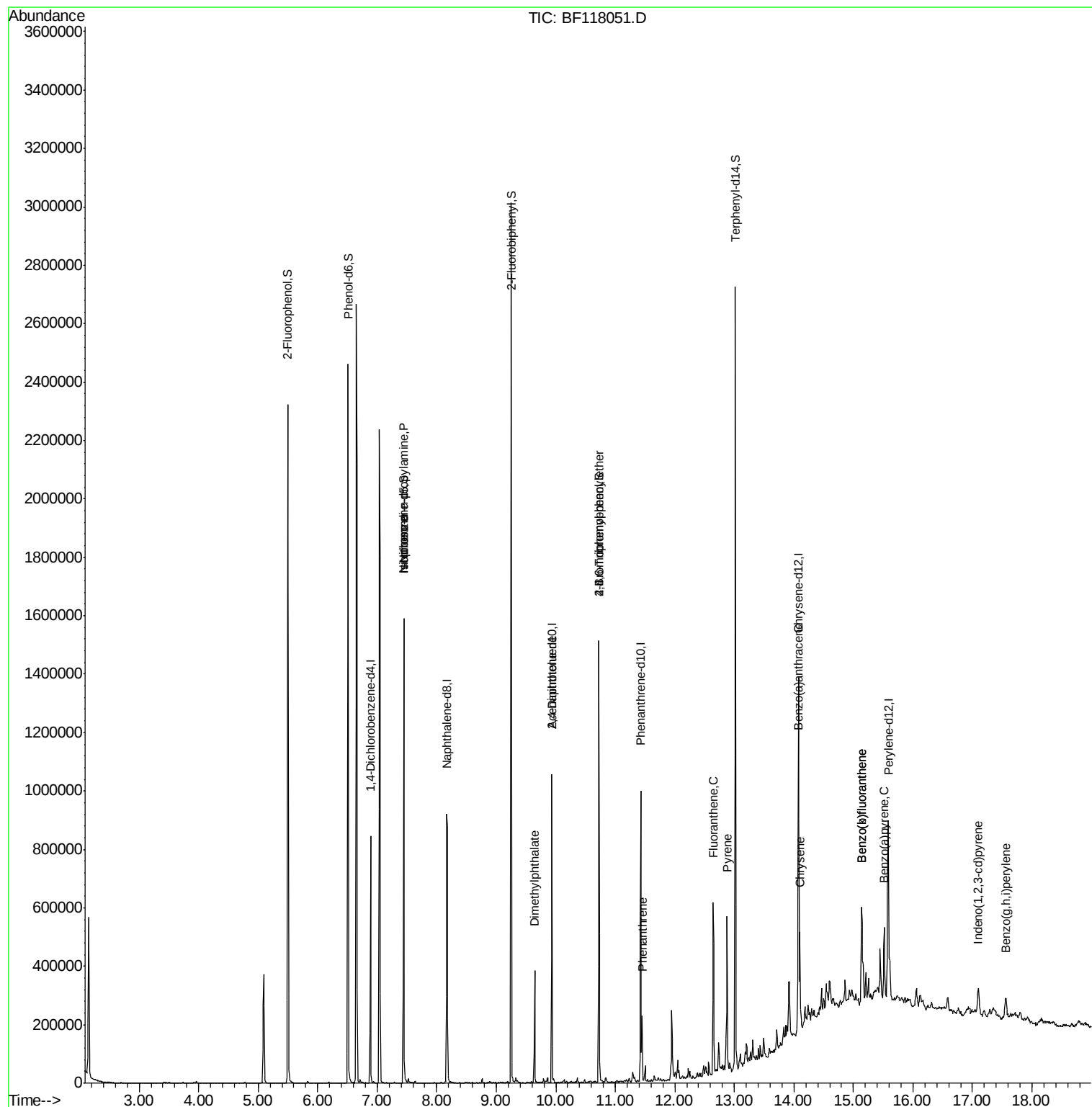
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.51	77	1293	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.45	70	62676	11.966	ng	# 74
25) Isophorone	7.45	82	471430	34.450	ng	# 62
50) Dimethylphthalate	9.65	163	158467	11.544	ng	97
57) 2,4-Dinitrotoluene	9.93	165	24820	6.504	ng	# 25
67) 4-Bromophenyl-phenylether	10.73	248	11498	3.247	ng	# 1
71) Phenanthrene	11.45	178	71857	4.354	ng	99
75) Fluoranthene	12.64	202	217078	8.311	ng	99
78) Pyrene	12.87	202	215636	8.275	ng	99
81) Benzo(a)anthracene	14.07	228	148926	6.989	ng	97
83) Chrysene	14.10	228	126892	6.146	ng	96
86) Indeno(1,2,3-cd)pyrene	17.10	276	56438	3.212	ng	# 94
88) Benzo(b)fluoranthene	15.14	252	238230	12.740	ng	99
89) Benzo(k)fluoranthene	15.14	252	238230	13.521	ng	98
90) Benzo(a)pyrene	15.52	252	119644	7.276	ng	99
92) Benzo(g,h,i)perylene	17.56	276	56522	4.010	ng	97

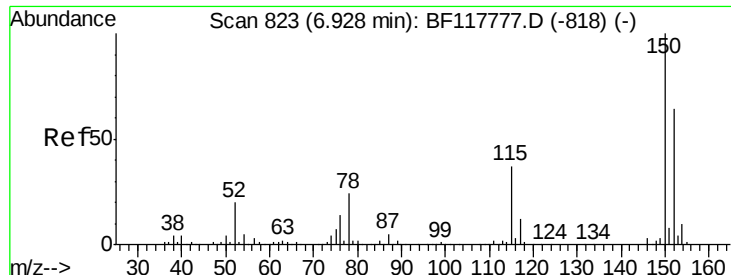
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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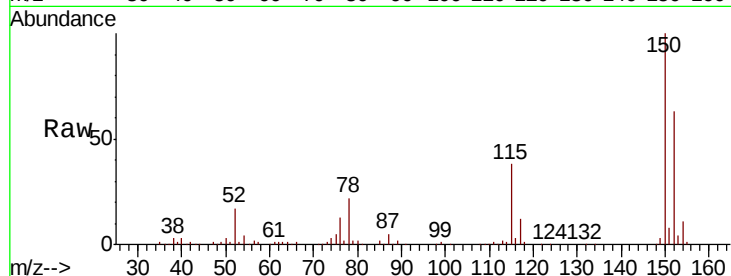


#1

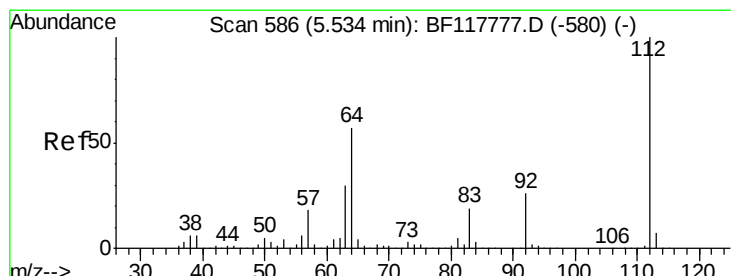
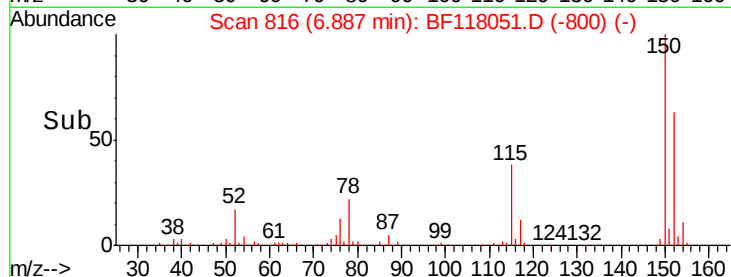
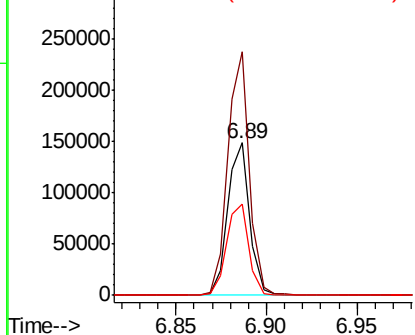
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 816
Delta R.T. -0.01 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.0	125.3	187.9
115	60.2	47.0	70.4



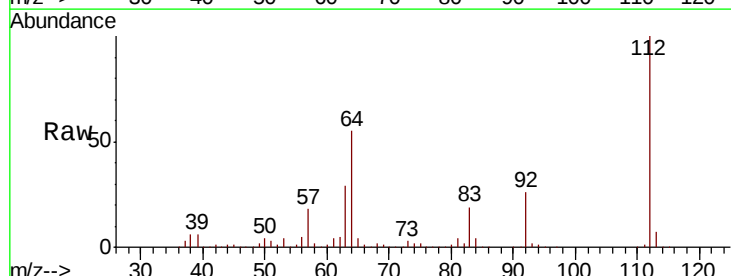
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



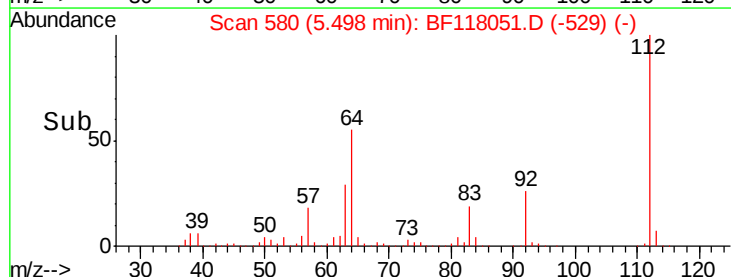
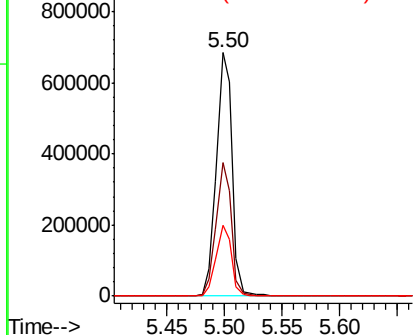
#5

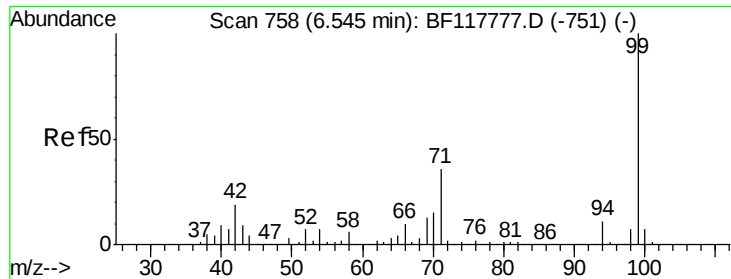
2-Fluorophenol
Concen: 92.132 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.00 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.8	45.6	68.4
63	29.2	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: 92.461 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118051.D

Acq: 27 Nov 2019 20:00

Instrument :

BNA_F

ClientSampled :

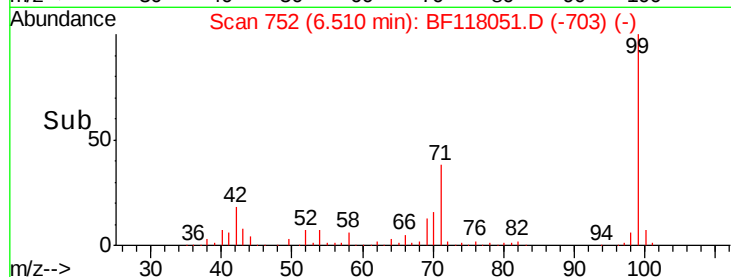
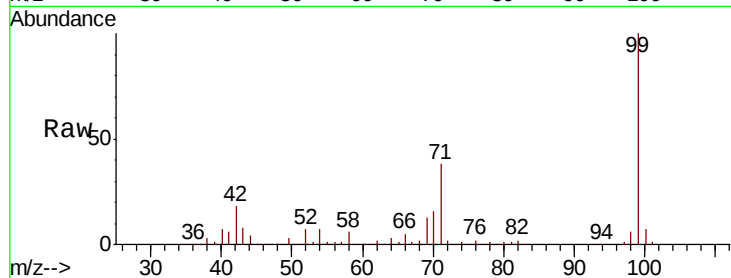
Tot Ion: 99 Resp: 785011

Ion Ratio Lower Upper

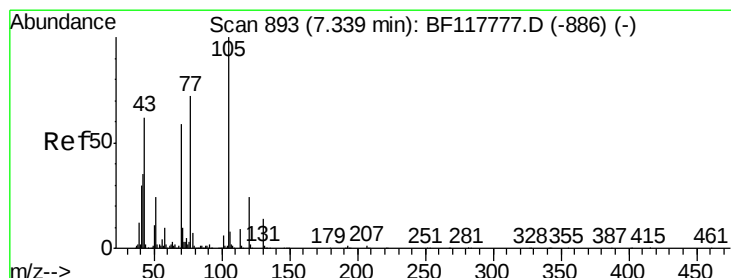
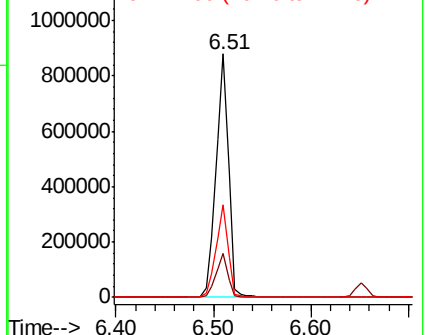
99 100

42 18.0 14.9 22.3

71 37.8 28.6 43.0



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: 11.966 ng

RT: 7.45 min Scan# 911

Delta R.T. 0.14 min

Lab File: BF118051.D

Acq: 27 Nov 2019 20:00

Tgt Ion: 70 Resp: 62676

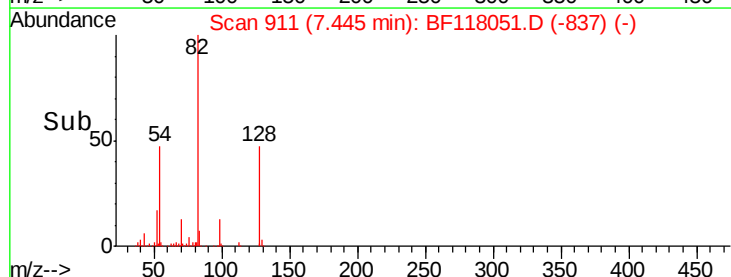
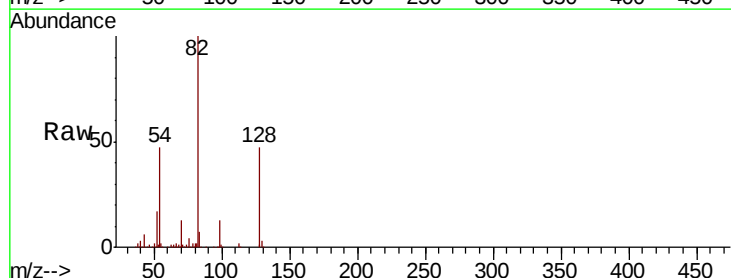
Ion Ratio Lower Upper

70 100

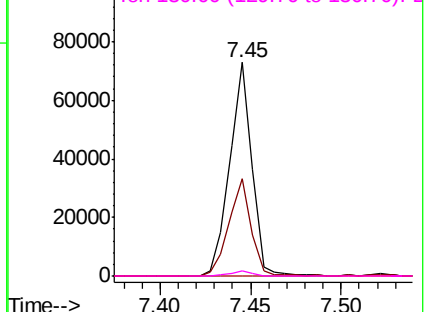
42 45.3 47.4 71.2#

101 0.0 8.4 12.6#

130 2.3 18.8 28.2#



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

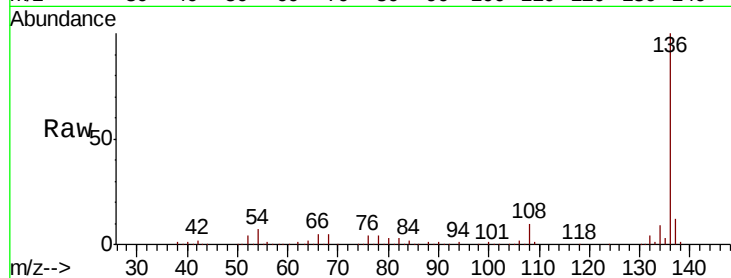




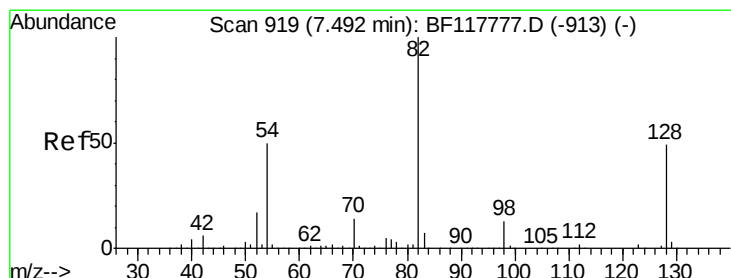
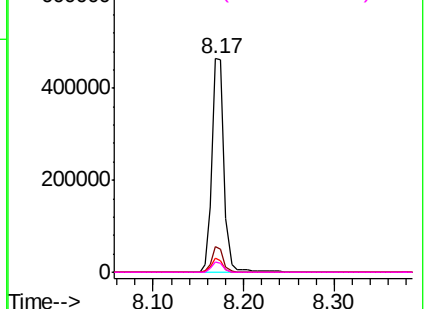
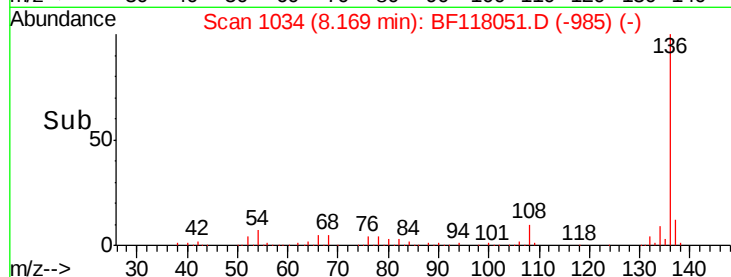
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	443834
Ion Ratio	Lower	Upper
136	100	
137	11.7	9.0 13.4
54	6.9	5.4 8.2
68	4.8	4.3 6.5

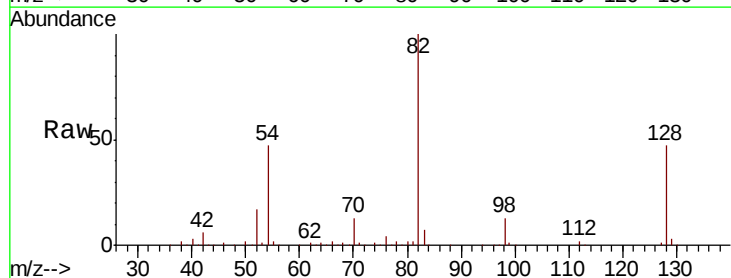


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

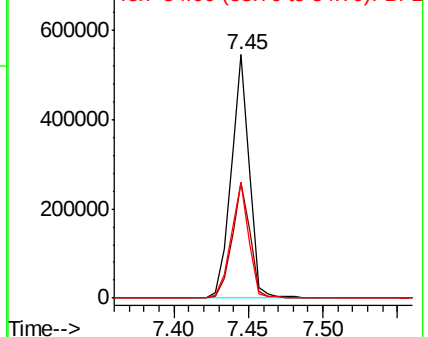
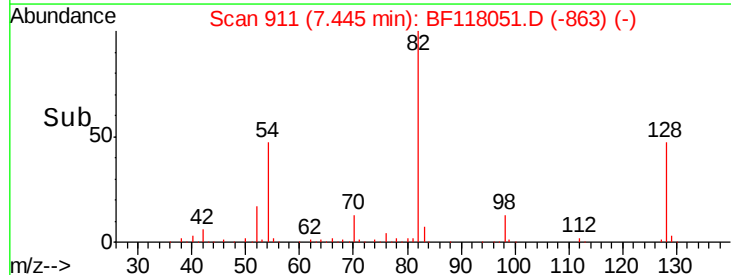


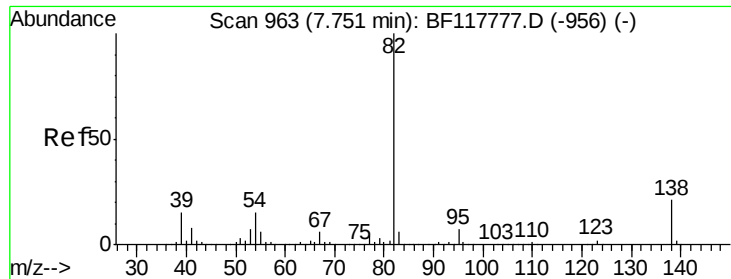
#23
Nitrobenzene-d5
Concen: 63.143 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.02 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

Tgt Ion: 82	Resp:	471434
Ion Ratio	Lower	Upper
82	100	
128	47.3	38.9 58.3
54	47.4	39.8 59.6



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: 34.450 ng

RT: 7.45 min Scan# 911

Delta R.T. -0.27 min

Lab File: BF118051.D

Acq: 27 Nov 2019 20:00

Instrument :

BNA_F

ClientSampleId :

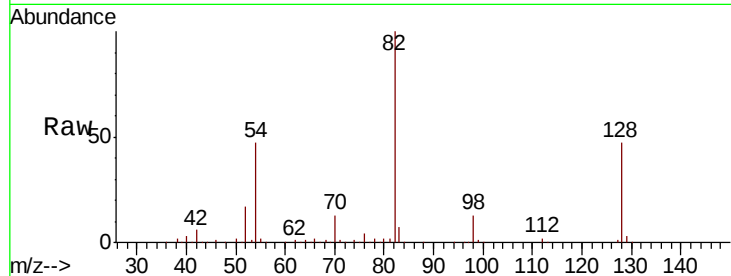
Tot Ion: 82 Resp: 471430

Ion Ratio Lower Upper

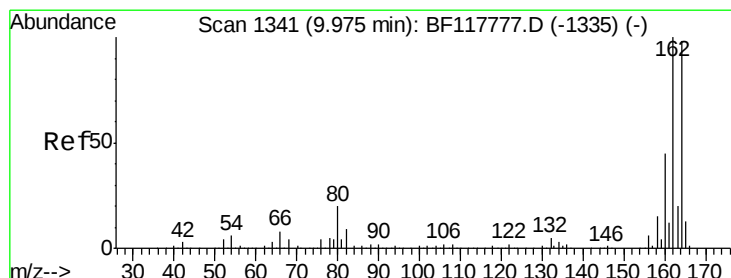
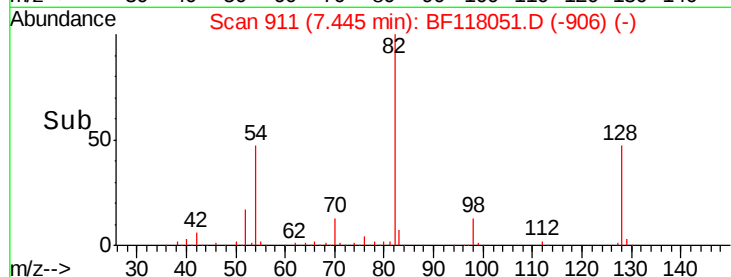
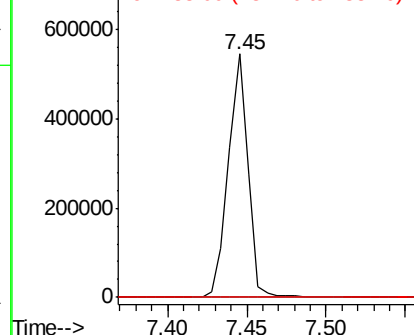
82 100

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): E



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.01 min

Lab File: BF118051.D

Acq: 27 Nov 2019 20:00

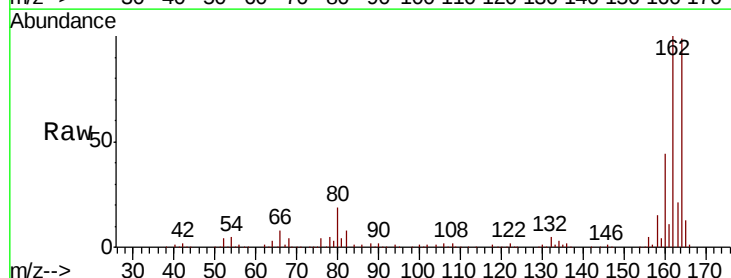
Tgt Ion:164 Resp: 195753

Ion Ratio Lower Upper

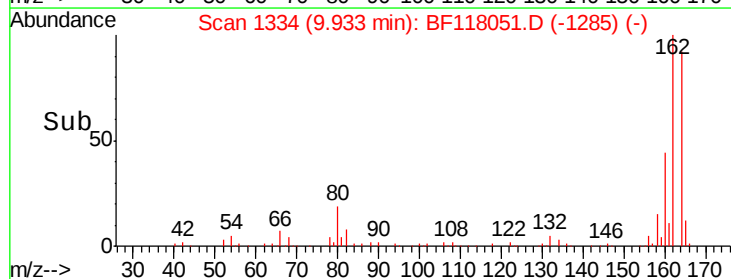
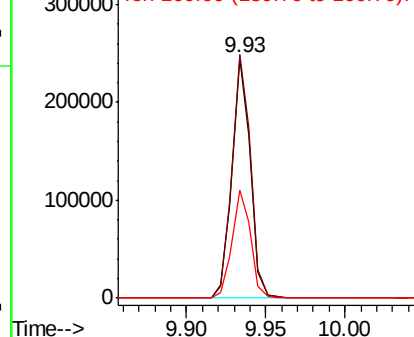
164 100

162 101.3 81.3 121.9

160 45.0 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: 88.192 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.01 min

Lab File: BF118051.D

Acq: 27 Nov 2019 20:00

Instrument :

BNA_F

ClientSampleId :

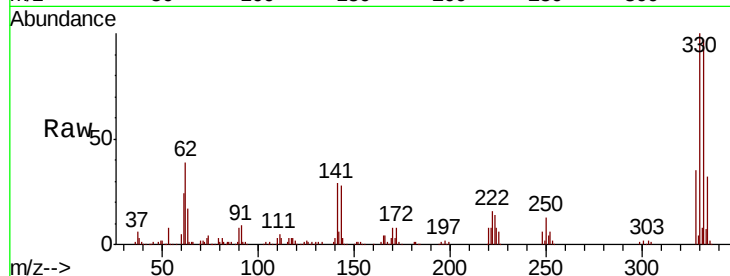
Tot Ion:330 Resp: 182771

Ion Ratio Lower Upper

330 100

332 96.9 76.7 115.1

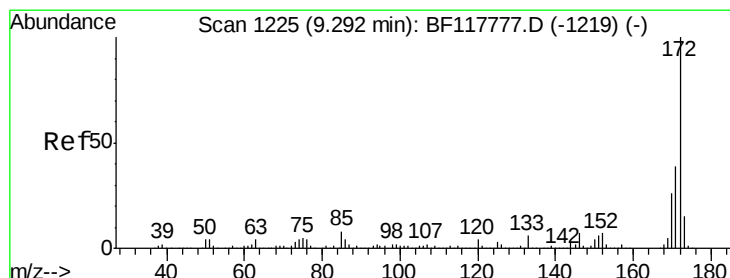
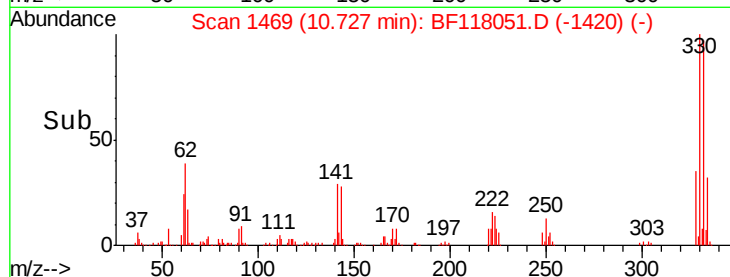
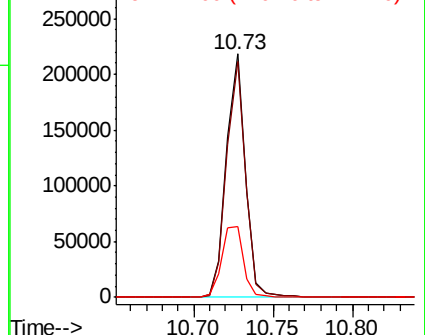
141 33.2 27.7 41.5



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: 78.425 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF118051.D

Acq: 27 Nov 2019 20:00

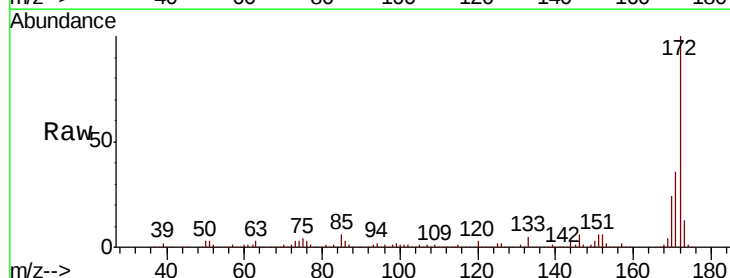
Tgt Ion:172 Resp: 855719

Ion Ratio Lower Upper

172 100

171 36.0 30.9 46.3

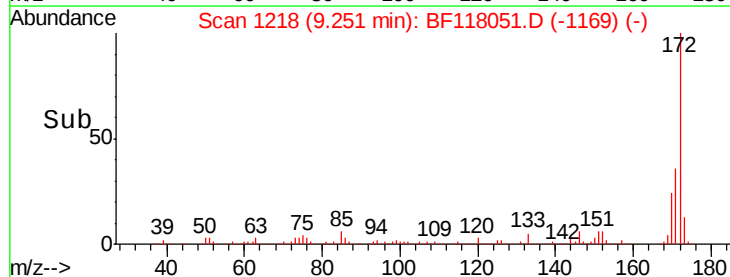
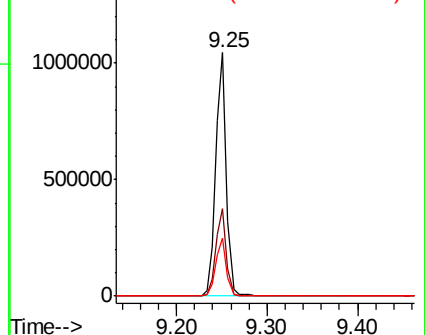
170 24.0 21.0 31.4

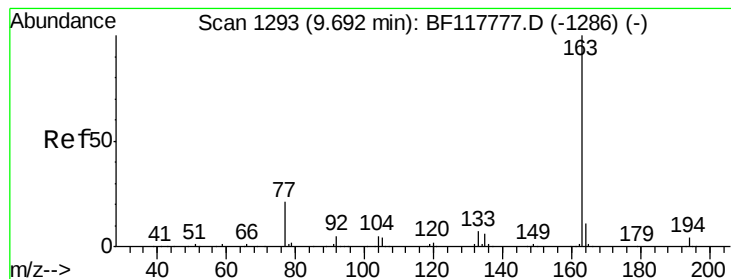


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 11.544 ng

RT: 9.65 min Scan# 1285

Delta R.T. -0.02 min

Lab File: BF118051.D

Acq: 27 Nov 2019 20:00

Instrument :

BNA_F

ClientSampleId :

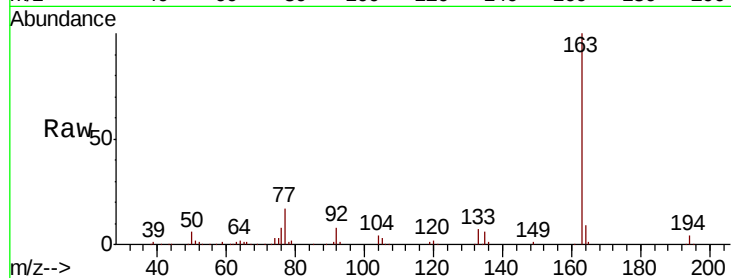
Tot Ion:163 Resp: 158467

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

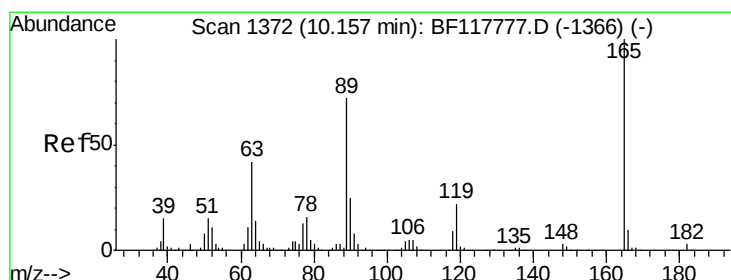
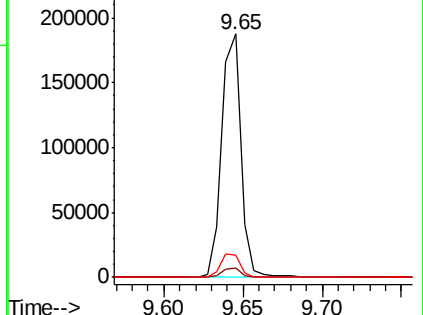
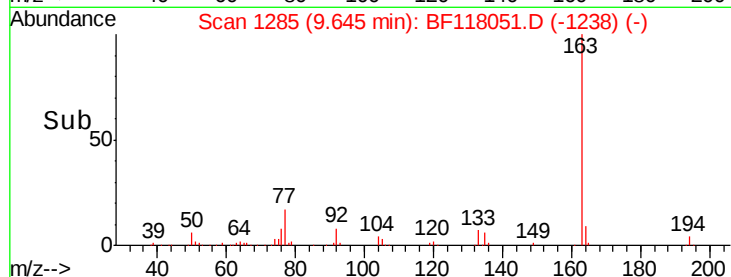
164 9.3 8.7 13.1



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: 6.504 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.20 min

Lab File: BF118051.D

Acq: 27 Nov 2019 20:00

Tgt Ion:165 Resp: 24820

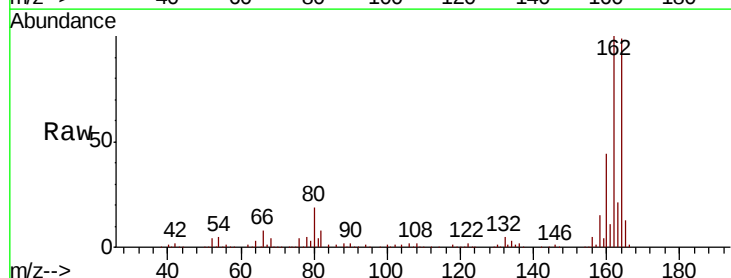
Ion Ratio Lower Upper

165 100

63 1.2 33.7 50.5#

89 1.5 57.3 85.9#

182 0.0 2.3 3.5#

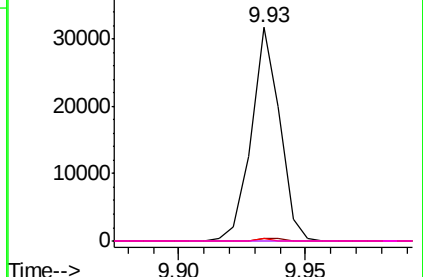
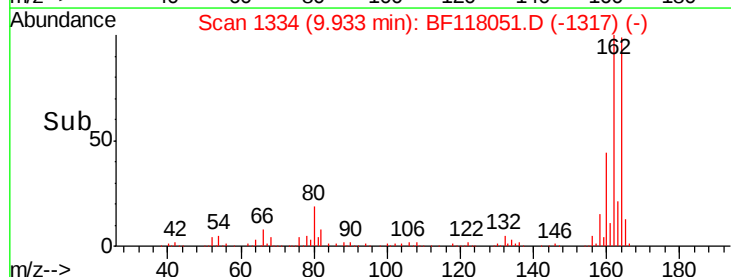


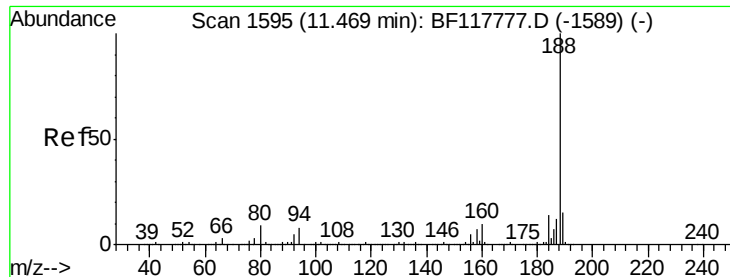
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.43 min Scan# 1588

Delta R.T. -0.01 min

Lab File: BF118051.D

Acq: 27 Nov 2019 20:00

Instrument :

BNA_F

ClientSampled :

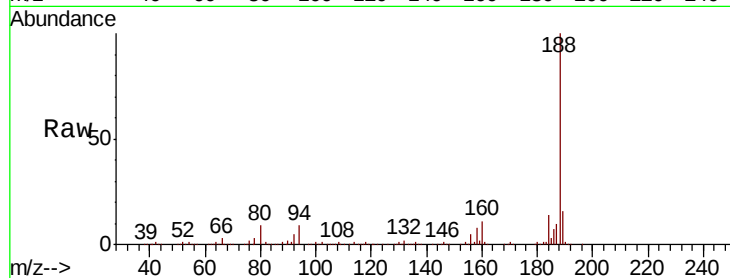
Tot Ion:188 Resp: 328220

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

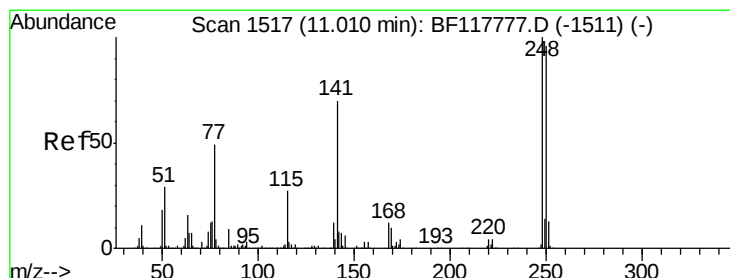
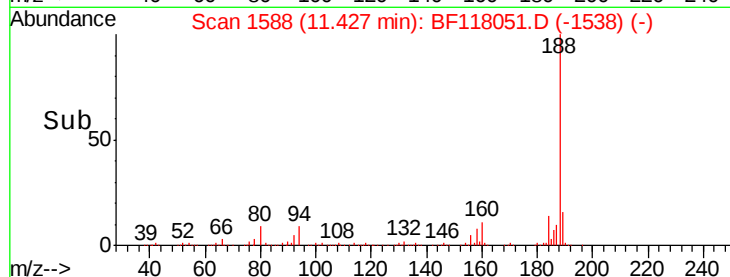
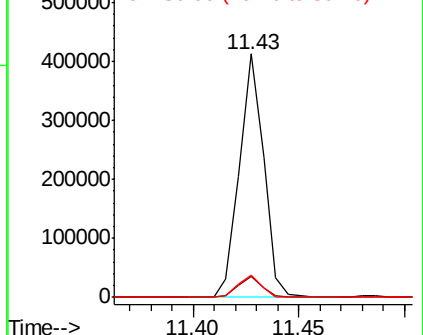
80 9.0 7.2 10.8



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



#67

4-Bromophenyl-phenylether

Concen: 3.247 ng

RT: 10.73 min Scan# 1469

Delta R.T. -0.25 min

Lab File: BF118051.D

Acq: 27 Nov 2019 20:00

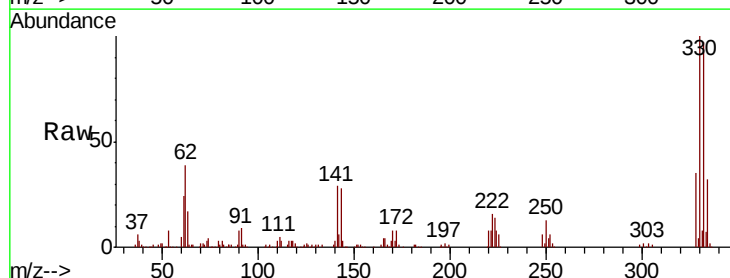
Tgt Ion:248 Resp: 11498

Ion Ratio Lower Upper

248 100

250 204.8 76.6 115.0#

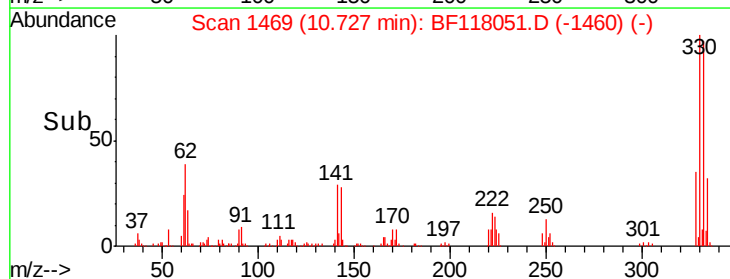
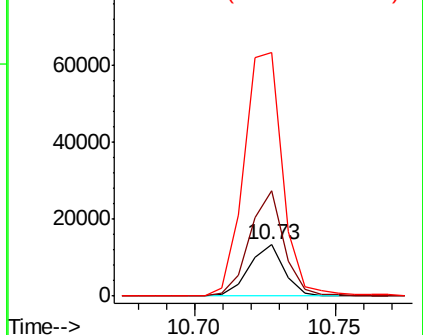
141 474.1 55.9 83.9#

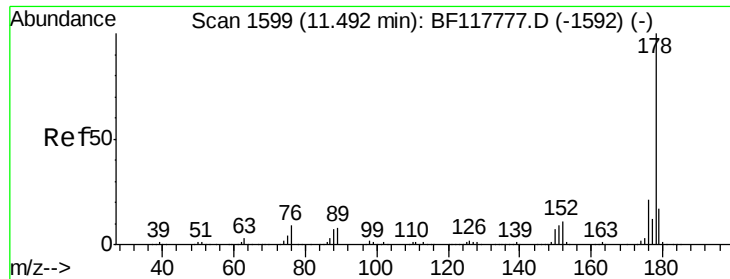


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

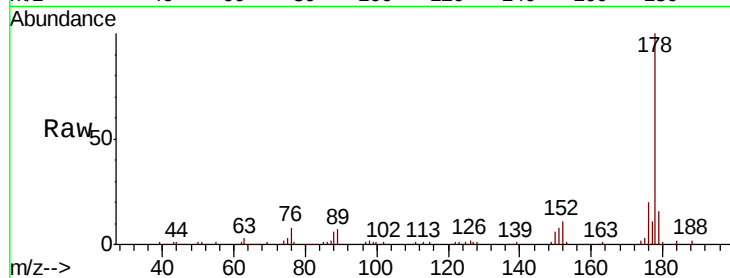




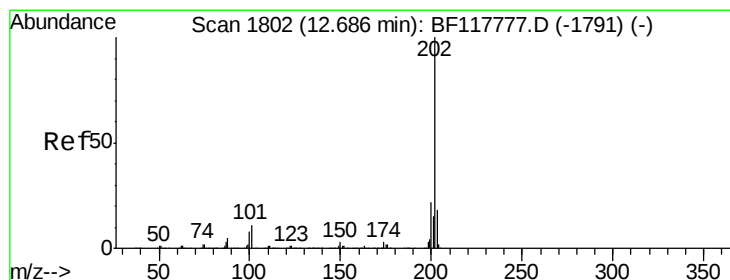
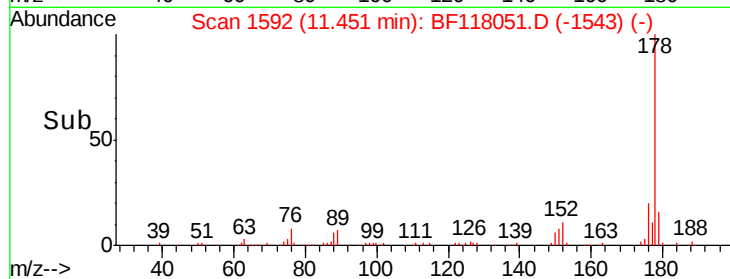
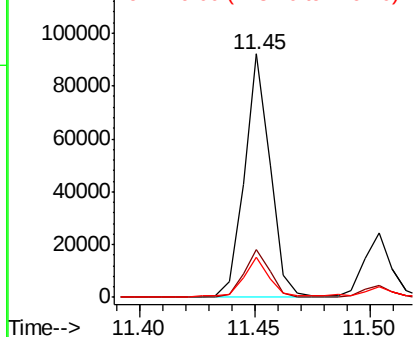
#71
Phenanthrene
Concen: 4.354 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 71857
Ion Ratio Lower Upper
178 100
176 19.7 16.6 25.0
179 16.4 13.2 19.8

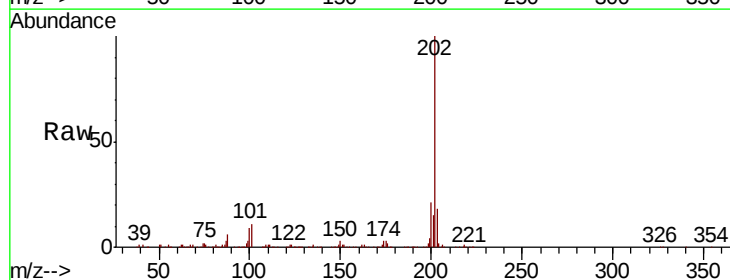


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

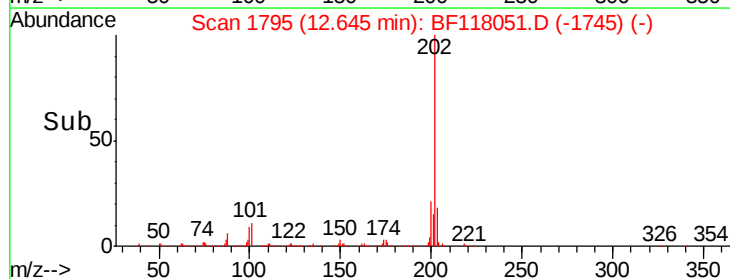
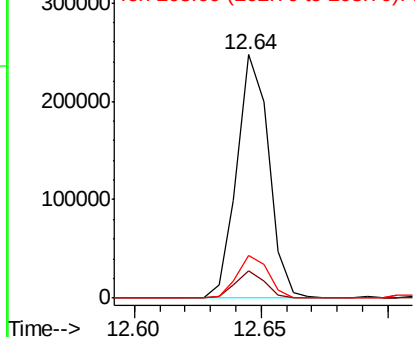


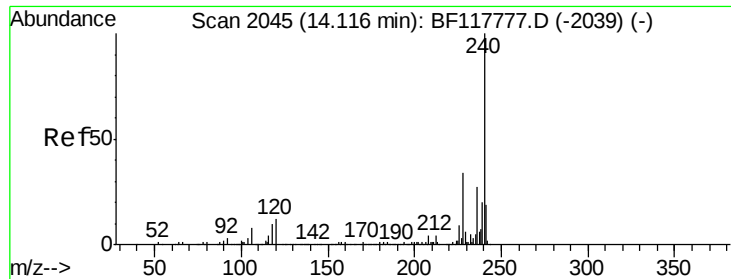
#75
Fluoranthene
Concen: 8.311 ng
RT: 12.64 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

Tgt Ion:202 Resp: 217078
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.1
203 17.5 0.0 38.2



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 101.00 (100.70 to 101.70): E
Ion 203.00 (202.70 to 203.70): E

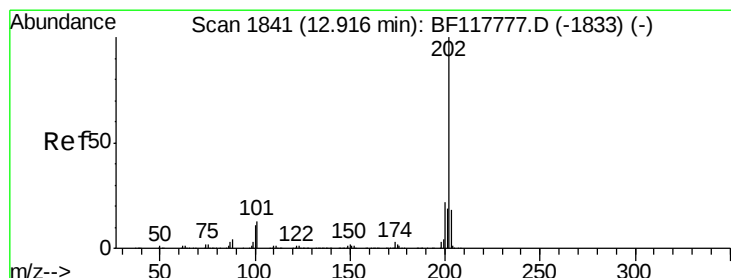
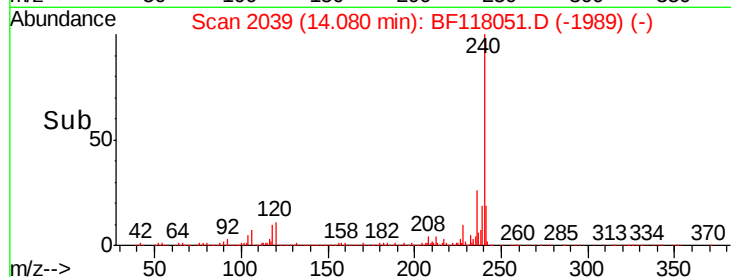
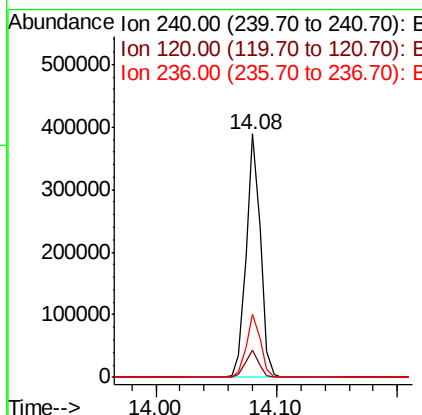
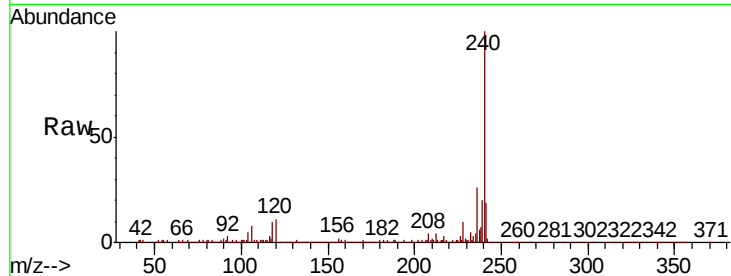




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

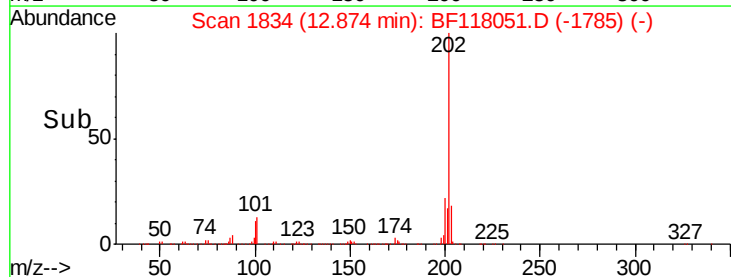
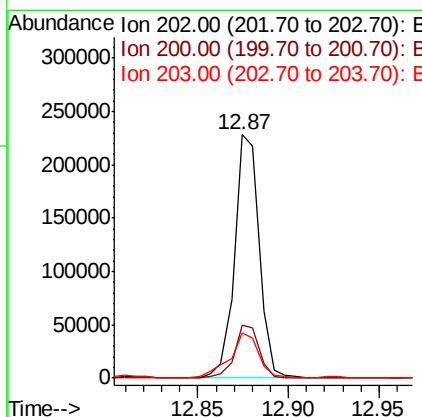
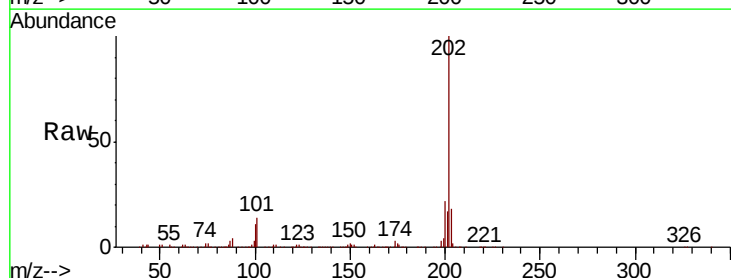
Instrument :
BNA_F
ClientSampleId :

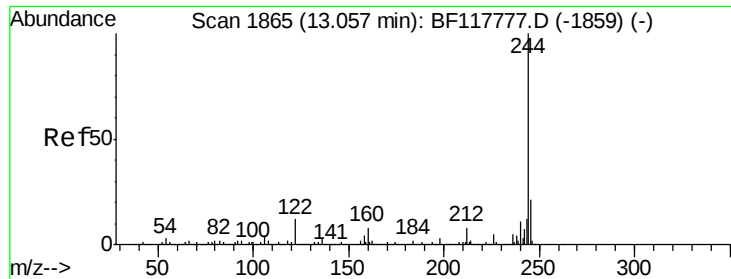
Tot Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.5	14.3
236	25.8	21.3	31.9



#78
Pyrene
Concen: 8.275 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.8	26.8
203	18.5	14.6	22.0

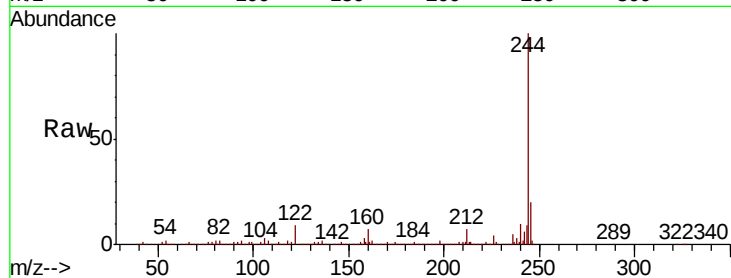




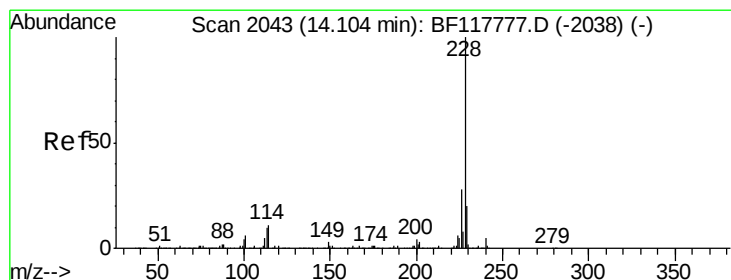
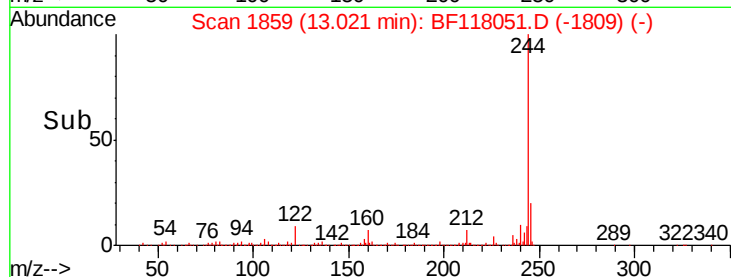
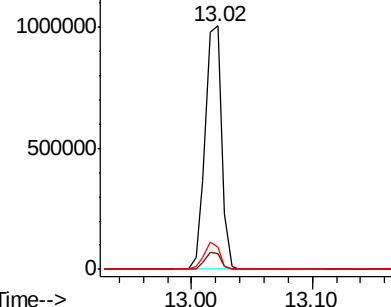
#79
 Terphenyl-d14
 Concen: 53.208 ng
 RT: 13.02 min Scan# 1859
 Delta R.T. -0.01 min
 Lab File: BF118051.D
 Acq: 27 Nov 2019 20:00

Instrument :
 BNA_F
 ClientSampleID :

Tot Ion:244 Resp: 938744
 Ion Ratio Lower Upper
 244 100
 212 6.6 6.3 9.5
 122 9.3 9.4 14.2#

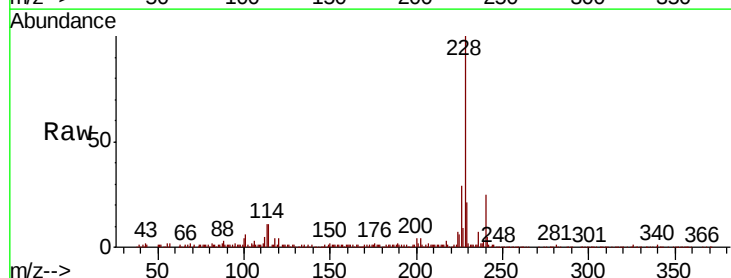


Abundance Ion 244.00 (243.70 to 244.70): E
 Ion 212.00 (211.70 to 212.70): E
 Ion 122.00 (121.70 to 122.70): E

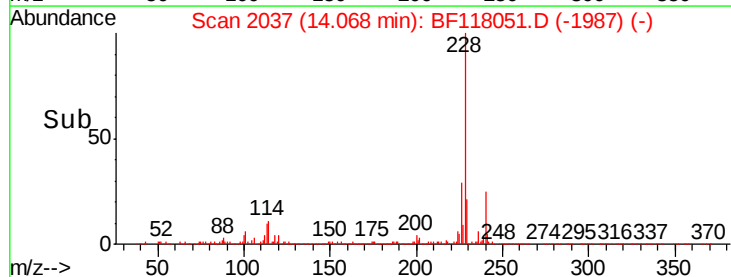
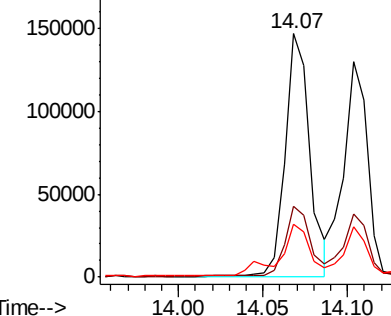


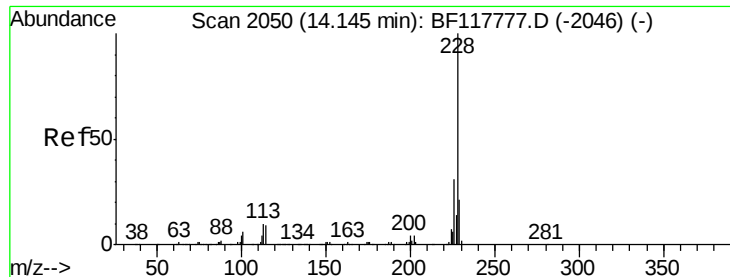
#81
 Benzo(a)anthracene
 Concen: 6.989 ng
 RT: 14.07 min Scan# 2037
 Delta R.T. -0.01 min
 Lab File: BF118051.D
 Acq: 27 Nov 2019 20:00

Tgt Ion:228 Resp: 148926
 Ion Ratio Lower Upper
 228 100
 226 29.2 22.2 33.2
 229 21.5 15.9 23.9



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

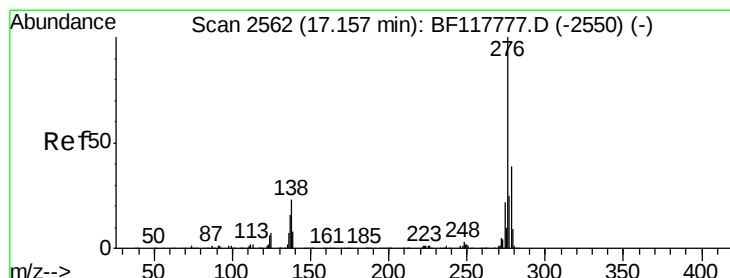
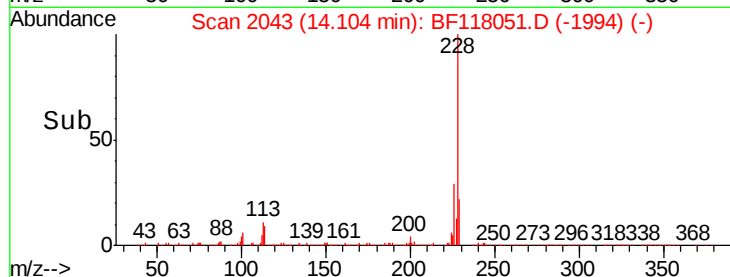
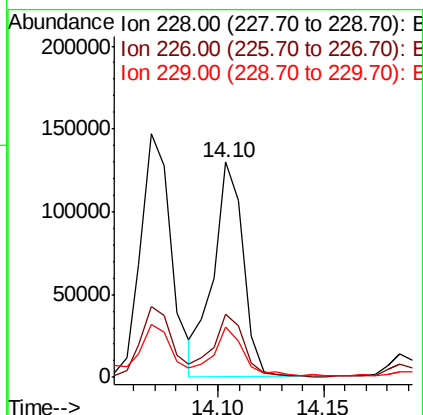
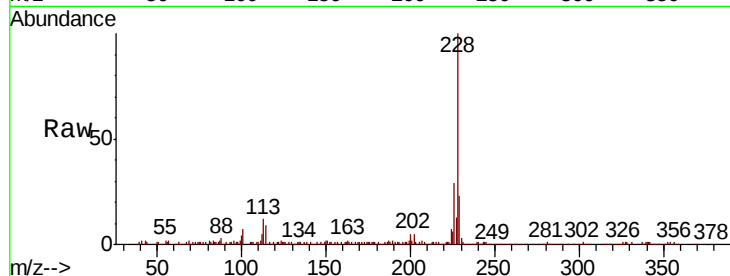




#83
Chrysene
Concen: 6.146 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

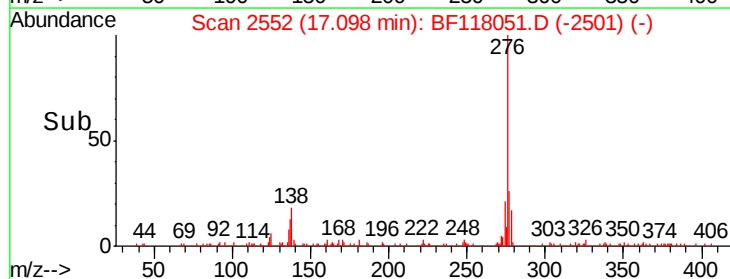
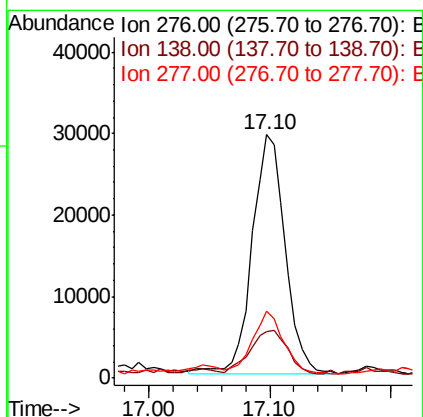
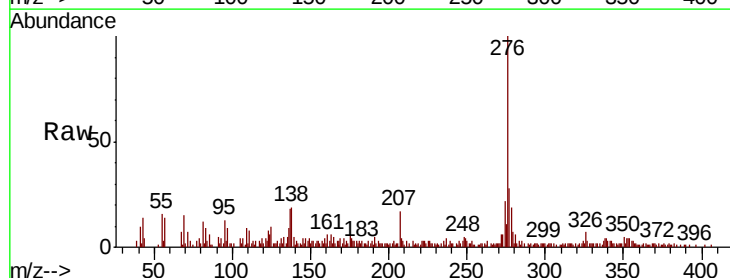
Instrument :
BNA_F
ClientSampleId :

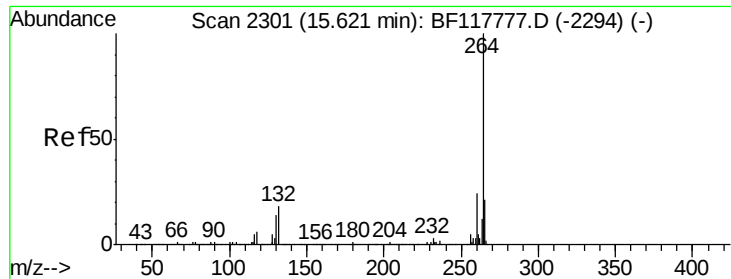
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.4	25.0	37.4
229	23.4	16.6	25.0



#86
Indeno(1,2,3-cd)pyrene
Concen: 3.212 ng
RT: 17.10 min Scan# 2552
Delta R.T. 0.00 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.7	20.9	31.3#
277	24.4	20.3	30.5

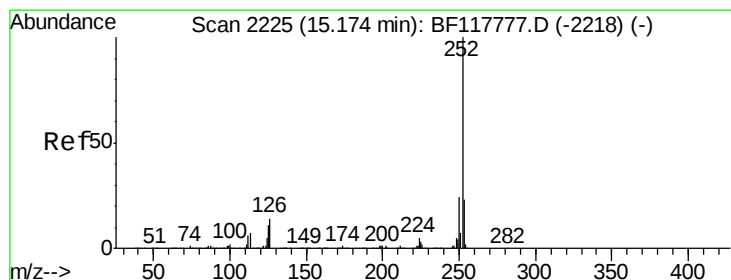
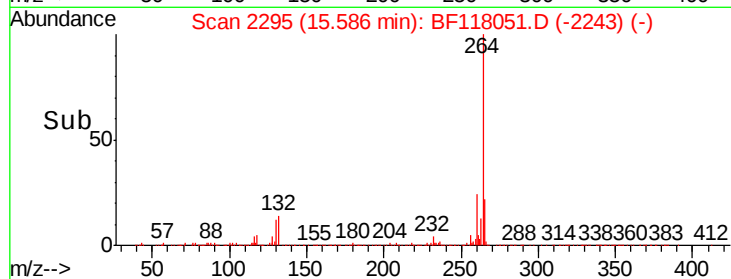
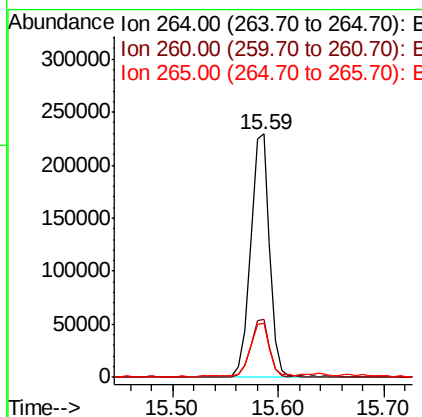
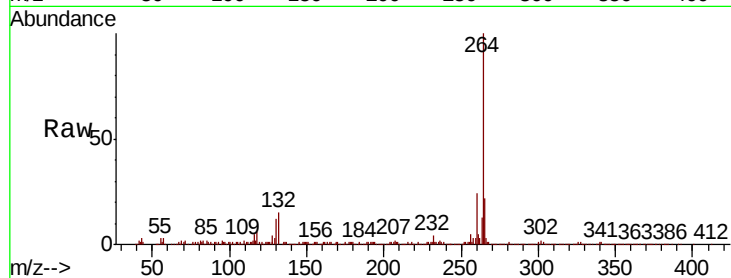




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.59 min Scan# 2295
Delta R.T. 0.01 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

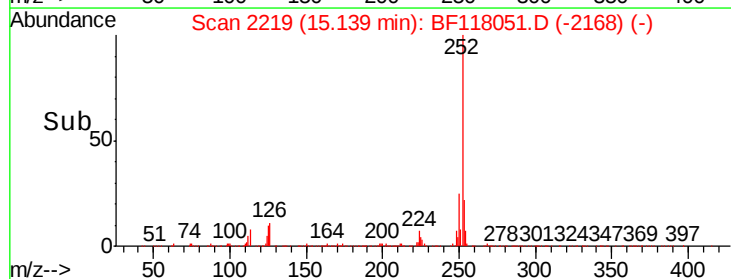
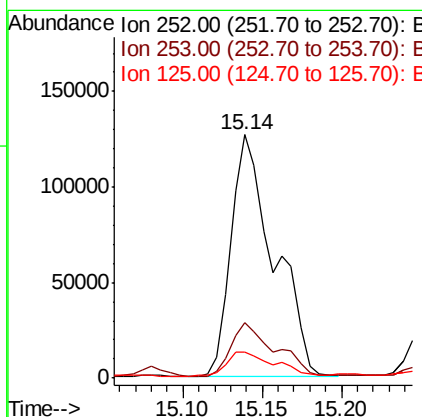
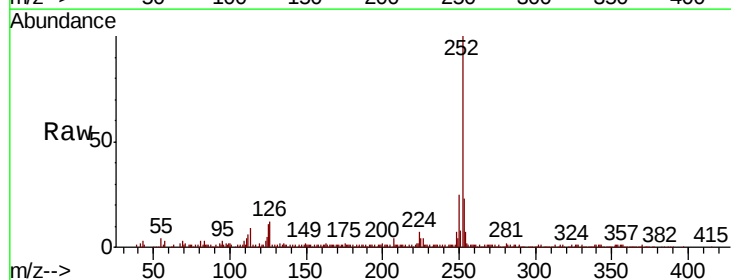
Instrument :
BNA_F
ClientSampleId :

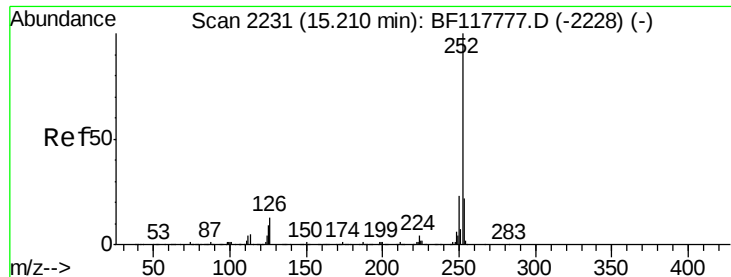
Tot Ion:264 Resp: 287813
Ion Ratio Lower Upper
264 100
260 23.7 19.4 29.0
265 22.2 17.1 25.7



#88
Benzo(b)fluoranthene
Concen: 12.740 ng
RT: 15.14 min Scan# 2219
Delta R.T. 0.00 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

Tgt Ion:252 Resp: 238230
Ion Ratio Lower Upper
252 100
253 23.0 18.0 27.0
125 10.9 8.6 13.0

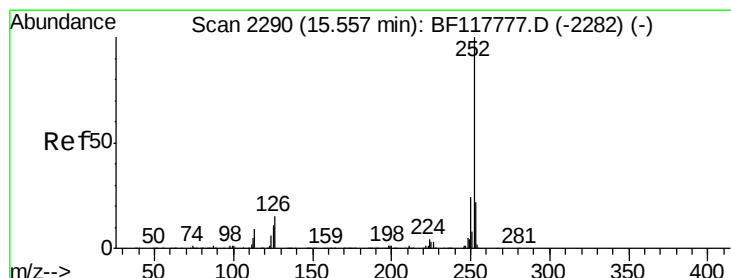
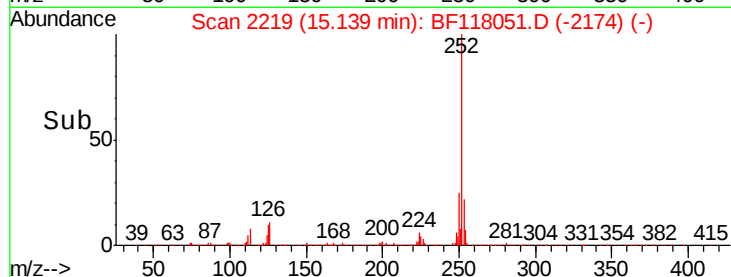
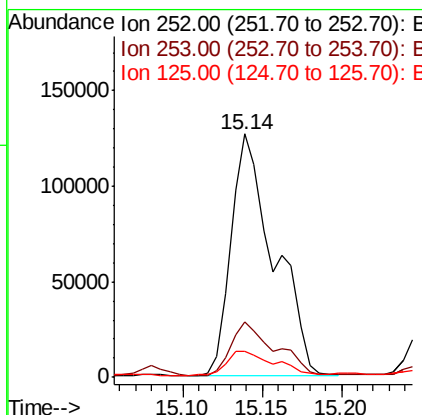
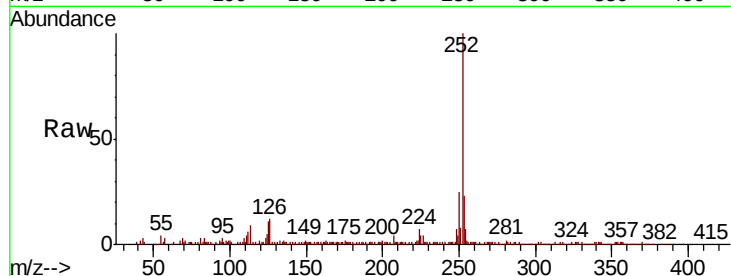




#89
Benzo(k)fluoranthene
Concen: 13.521 ng
RT: 15.14 min Scan# 2219
Delta R.T. -0.04 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

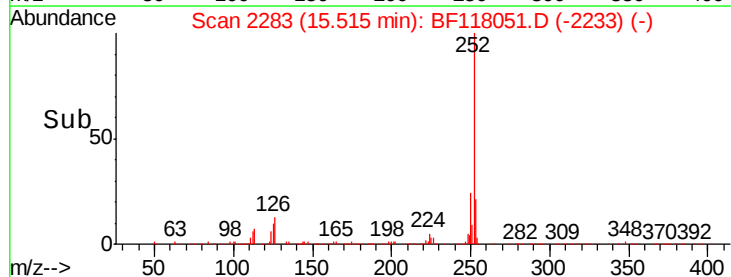
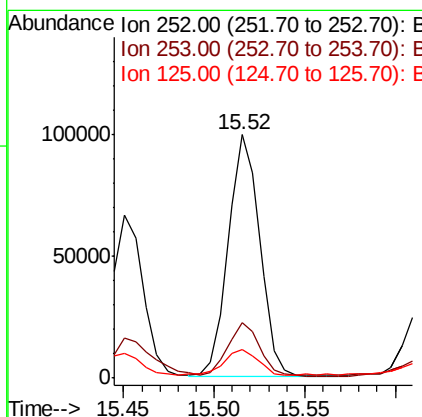
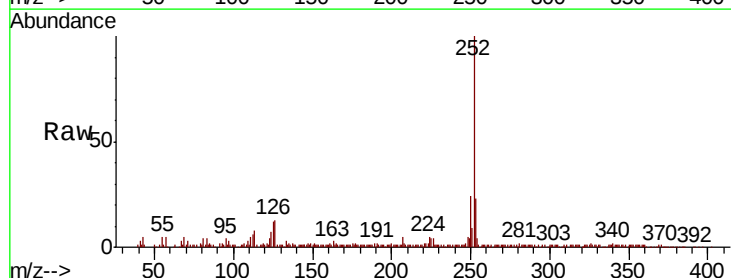
Instrument :
BNA_F
ClientSampleId :

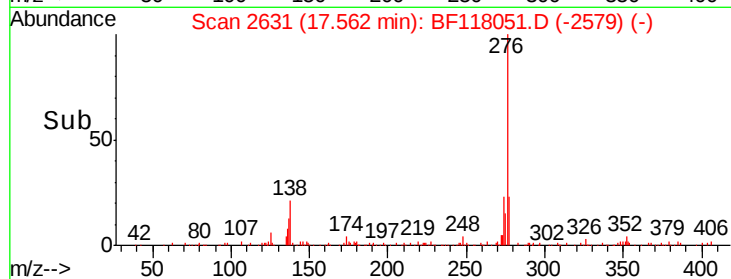
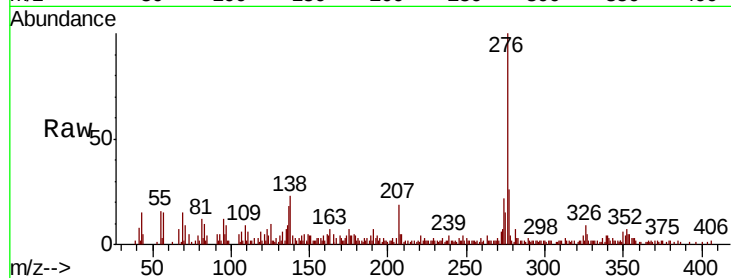
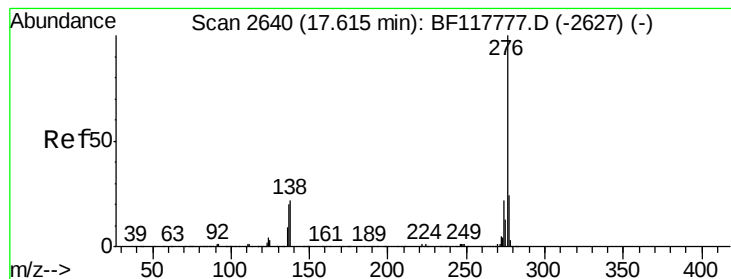
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.0	17.5	26.3
125	10.9	7.9	11.9



#90
Benzo(a)pyrene
Concen: 7.276 ng
RT: 15.52 min Scan# 2283
Delta R.T. -0.01 min
Lab File: BF118051.D
Acq: 27 Nov 2019 20:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.6
125	11.8	9.2	13.8





#92

Benzo(a,h,i)perylene

Concen: 4.010 ng

RT: 17.56 min Scan# 2631

Delta R.T. 0.01 min

Lab File: BF118051.D

Acq: 27 Nov 2019 20:00

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 276 Resp: 56522

Ion Ratio Lower Upper

276 100

277 25.8 18.9 28.3

138 22.9 17.4 26.2

