

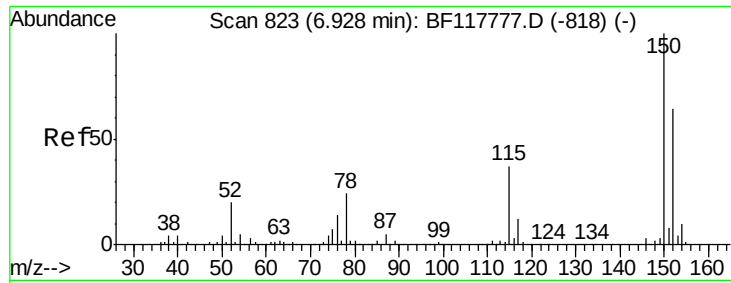
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112719\
 Data File : BF118046.D
 Acq On : 27 Nov 2019 17:42
 Operator : JU
 Sample : K5959-06 2X
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 28 00:15:18 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	6.88	152	145415	20.00	ng	-0.01
21) Naphthalene-d8	8.17	136	545393	20.00	ng	-0.01
39) Acenaphthene-d10	9.93	164	274015	20.00	ng	-0.01
64) Phenanthrene-d10	11.43	188	445363	20.00	ng	0.00
76) Chrysene-d12	14.08	240	317763	20.00	ng	0.00
87) Perylene-d12	15.58	264	352765	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	316245	38.50	ng	-0.01
7) Phenol-d6	6.50	99	415731	41.96	ng	-0.02
23) Nitrobenzene-d5	7.44	82	252968	27.57	ng	-0.02
42) 2,4,6-Tribromophenol	10.72	330	98493	33.95	ng	-0.02
45) 2-Fluorobiphenyl	9.25	172	540803	35.41	ng	-0.02
79) Terphenyl-d14	13.02	244	489548	28.16	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.50	77	887	Below Cal		Qvalue # 1
19) n-Nitroso-di-n-propylamine	7.44	70	33800	5.529 ng	#	77
25) Isophorone	7.44	82	252964	15.043 ng	#	62
50) Dimethylphthalate	9.64	163	85921	4.472 ng		99
51) 2,6-Dinitrotoluene	9.93	165	35278	8.400 ng	#	23
57) 2,4-Dinitrotoluene	9.93	165	35278	6.604 ng	#	25
71) Phenanthrene	11.45	178	49226	2.198 ng		98
75) Fluoranthene	12.65	202	91339	Below Cal		98
78) Pyrene	12.87	202	94801	3.692 ng		97
81) Benzo(a)anthracene	14.07	228	63887	3.042 ng	#	91
83) Chrysene	14.10	228	65454	3.217 ng		97
88) Benzo(b)fluoranthene	15.13	252	110339	4.814 ng	#	86
89) Benzo(k)fluoranthene	15.13	252	110339	5.109 ng	#	85
90) Benzo(a)pyrene	15.52	252	56792	2.818 ng	#	88

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

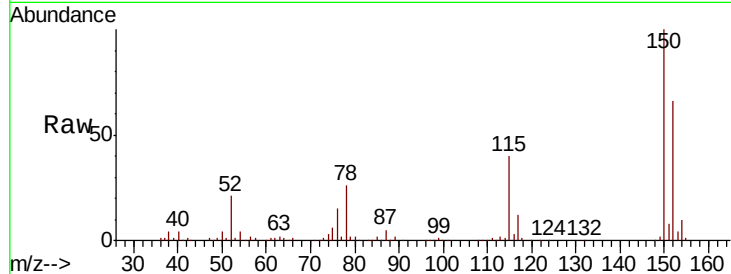


#1

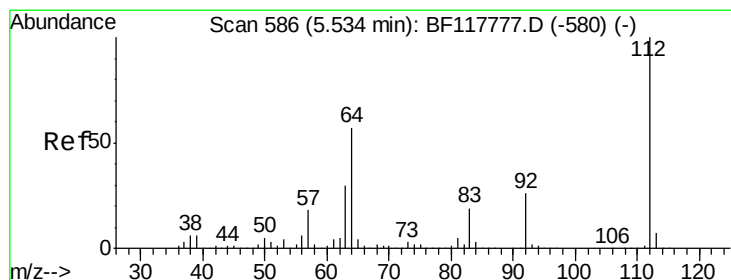
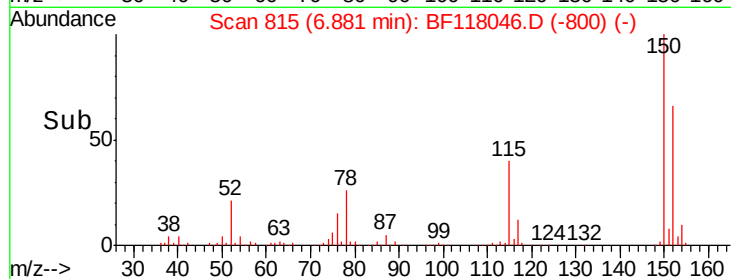
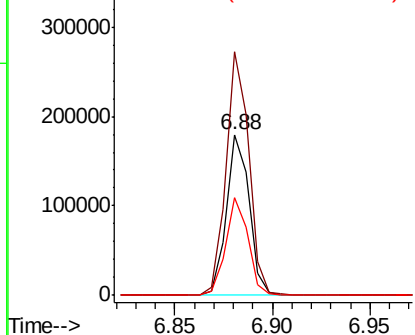
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.01 min
 Lab File: BF118046.D
 Acq: 27 Nov 2019 17:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	151.5	125.3	187.9
115	60.9	47.0	70.4



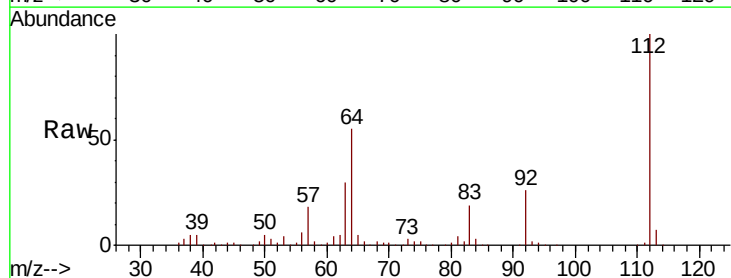
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



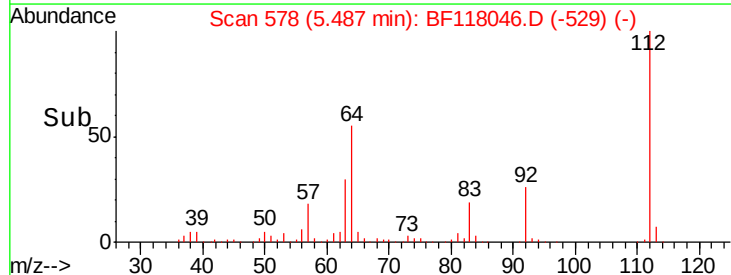
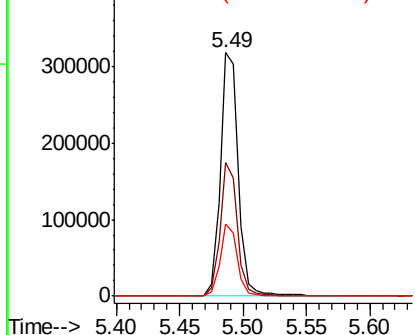
#5

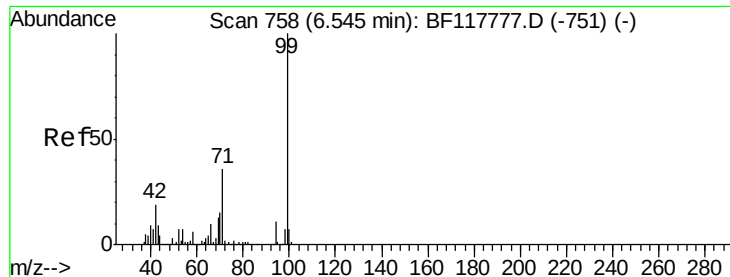
2-Fluorophenol
 Concen: 38.496 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF118046.D
 Acq: 27 Nov 2019 17:42

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.6	45.6	68.4
63	29.5	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: 41.956 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.02 min

Lab File: BF118046.D

Acq: 27 Nov 2019 17:42

Instrument :

BNA_F

ClientSampleId :

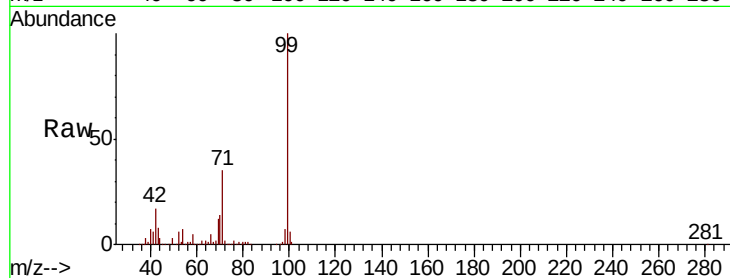
Tot Ion: 99 Resp: 415731

Ion Ratio Lower Upper

99 100

42 16.6 14.9 22.3

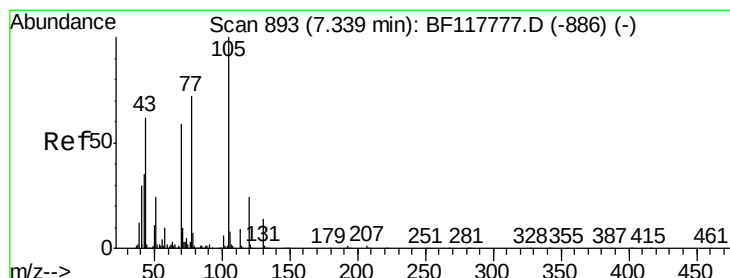
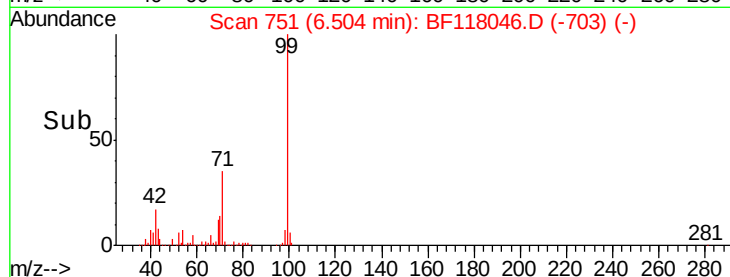
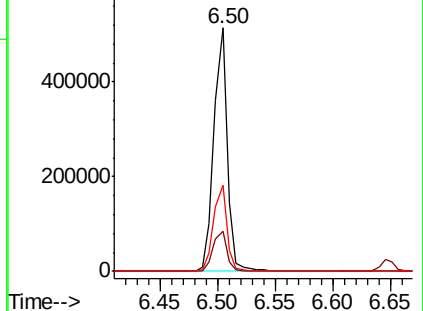
71 35.3 28.6 43.0



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: 5.529 ng

RT: 7.44 min Scan# 910

Delta R.T. 0.13 min

Lab File: BF118046.D

Acq: 27 Nov 2019 17:42

Tgt Ion: 70 Resp: 33800

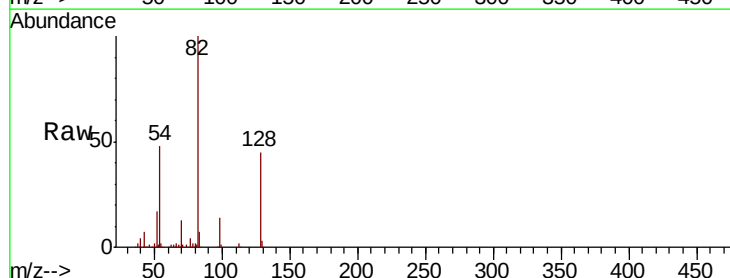
Ion Ratio Lower Upper

70 100

42 48.6 47.4 71.2

101 0.0 8.4 12.6#

130 2.2 18.8 28.2#

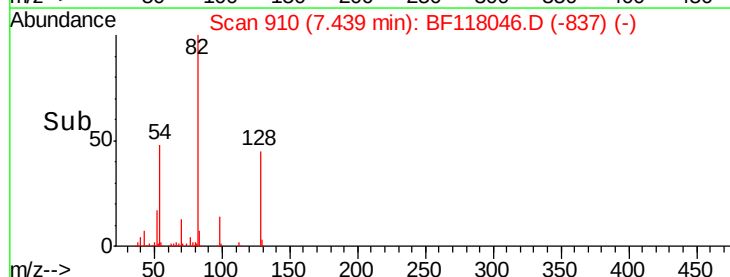
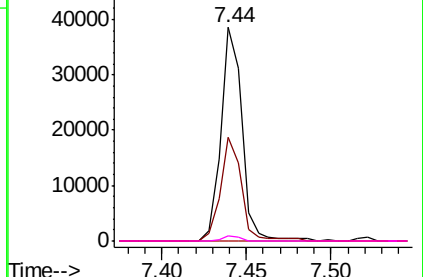


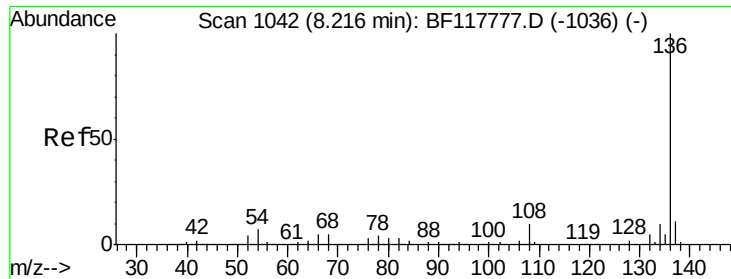
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

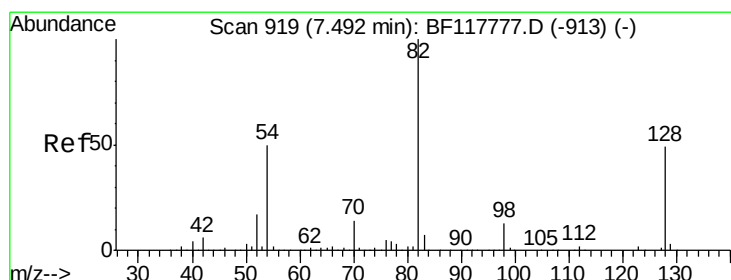
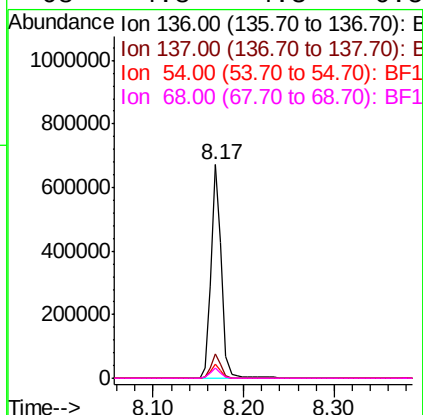
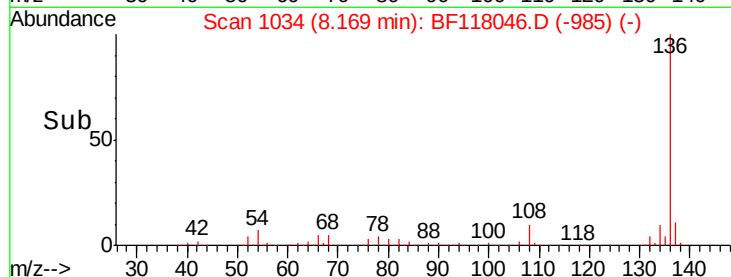
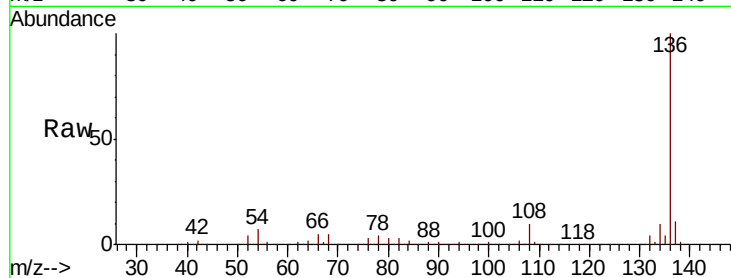




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1034
Delta R.T. -0.01 min
Lab File: BF118046.D
Acq: 27 Nov 2019 17:42

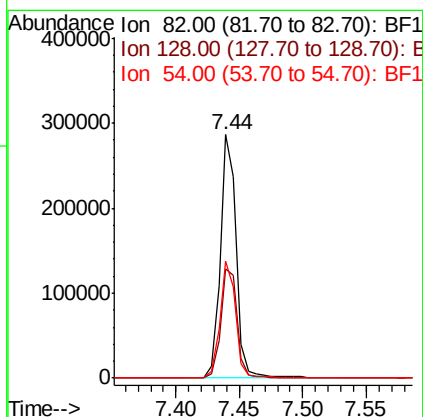
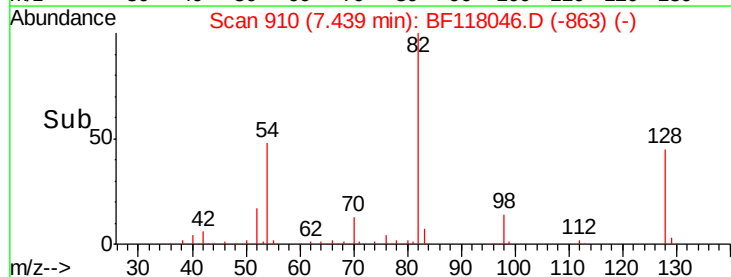
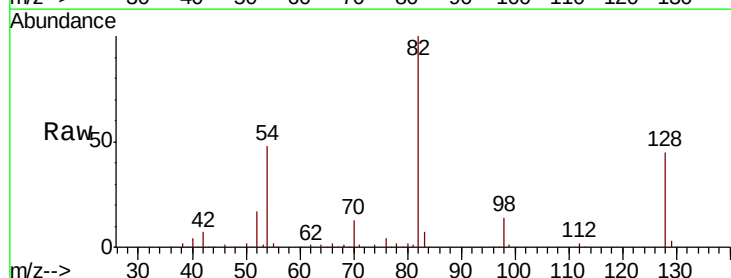
Instrument :
BNA_F
ClientSampled :

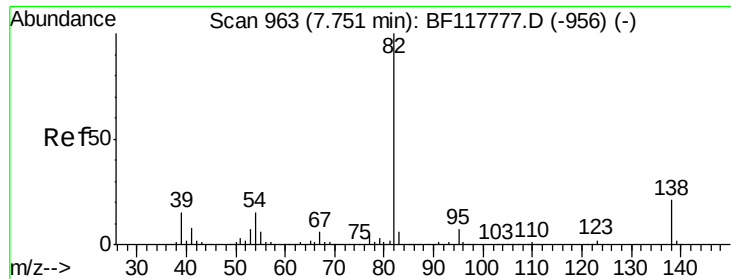
Tot Ion:136	Resp:	545393
Ion Ratio	Lower	Upper
136	100	
137	11.5	9.0 13.4
54	6.6	5.4 8.2
68	4.8	4.3 6.5



#23
Nitrobenzene-d5
Concen: 27.573 ng
RT: 7.44 min Scan# 910
Delta R.T. -0.02 min
Lab File: BF118046.D
Acq: 27 Nov 2019 17:42

Tgt Ion: 82	Resp:	252968
Ion Ratio	Lower	Upper
82	100	
128	45.0	38.9 58.3
54	48.1	39.8 59.6





#25

Isophorone

Concen: 15.043 ng

RT: 7.44 min Scan# 910

Delta R.T. -0.28 min

Lab File: BF118046.D

Acq: 27 Nov 2019 17:42

Instrument :

BNA_F

ClientSampleId :

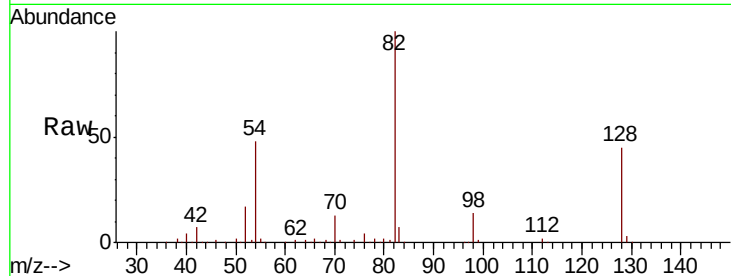
Tot Ion: 82 Resp: 252964

Ion Ratio Lower Upper

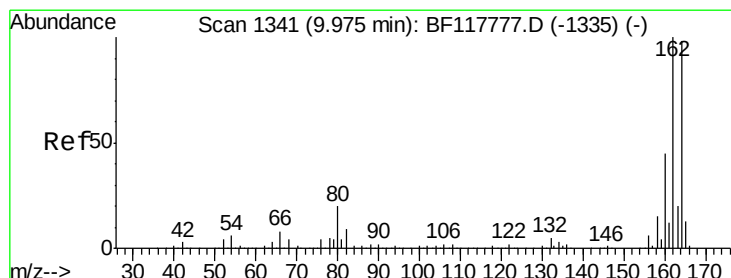
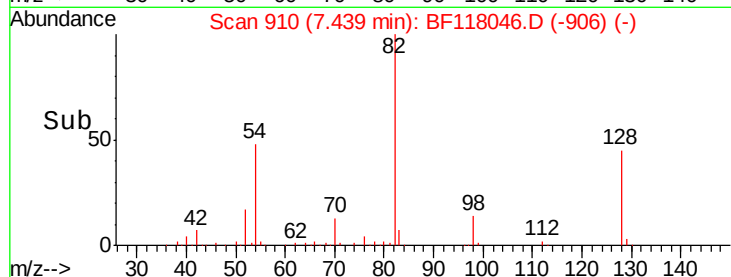
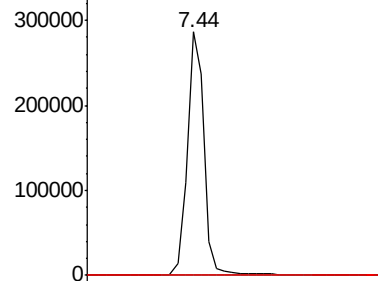
82 100

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: BF118046.D

Acq: 27 Nov 2019 17:42

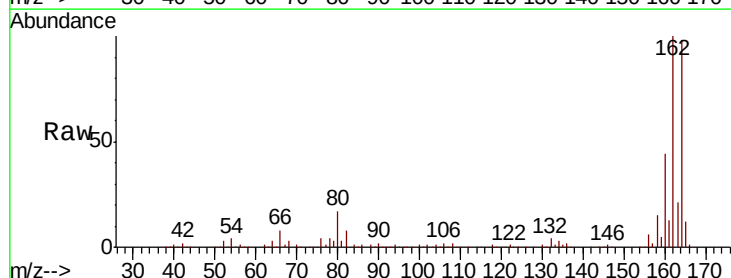
Tgt Ion: 164 Resp: 274015

Ion Ratio Lower Upper

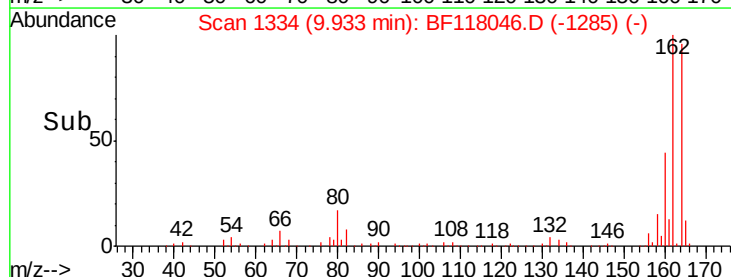
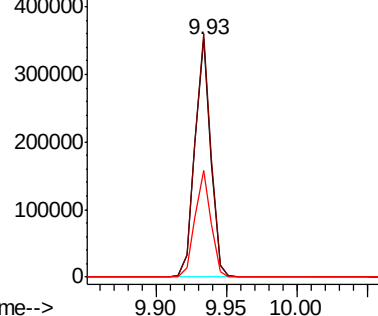
164 100

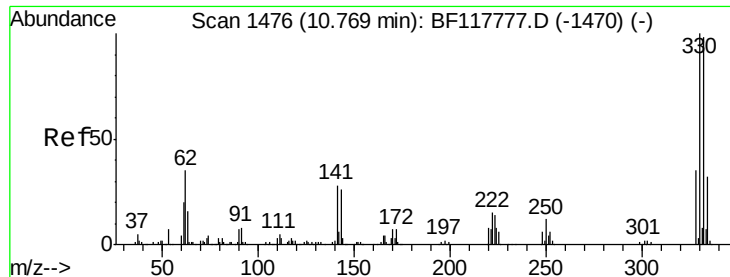
162 102.2 81.3 121.9

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

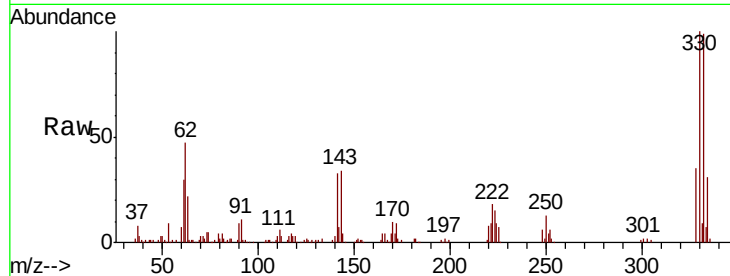




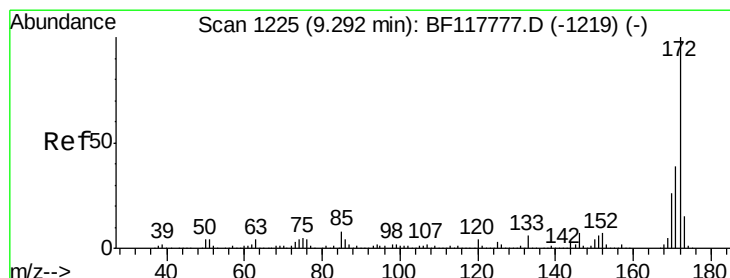
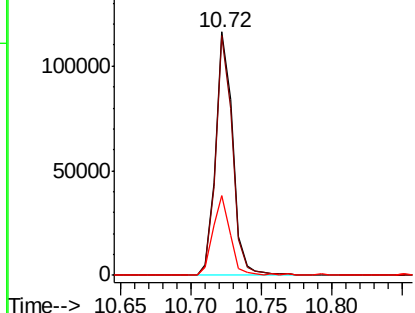
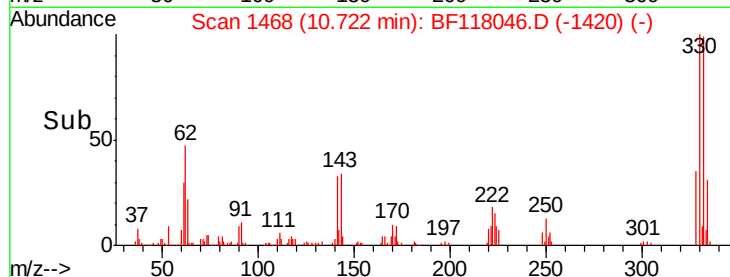
#42
 2,4,6-Tribromophenol
 Concen: 33.952 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.02 min
 Lab File: BF118046.D
 Acq: 27 Nov 2019 17:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 98493
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.7 115.1
 141 33.4 27.7 41.5

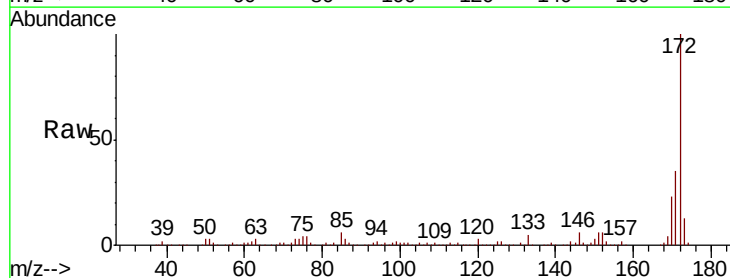


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

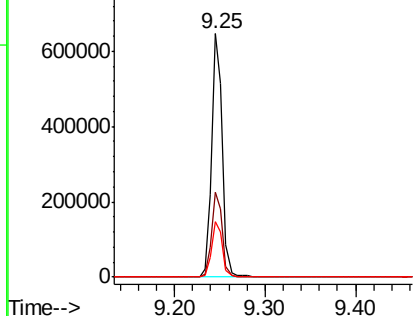
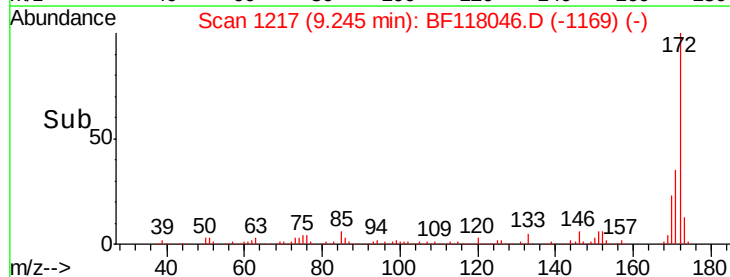


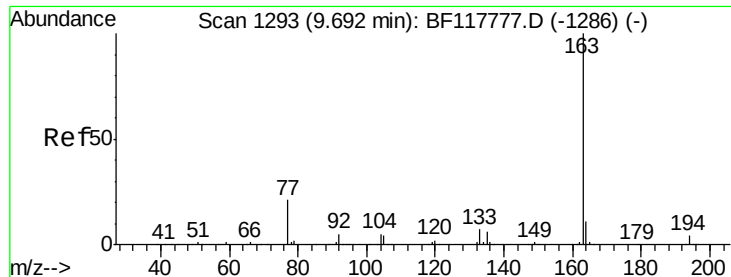
#45
 2-Fluorobiphenyl
 Concen: 35.408 ng
 RT: 9.25 min Scan# 1217
 Delta R.T. -0.02 min
 Lab File: BF118046.D
 Acq: 27 Nov 2019 17:42

Tgt Ion:172 Resp: 540803
 Ion Ratio Lower Upper
 172 100
 171 34.9 30.9 46.3
 170 22.8 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: 4.472 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.03 min

Lab File: BF118046.D

Acq: 27 Nov 2019 17:42

Instrument :

BNA_F

ClientSampleId :

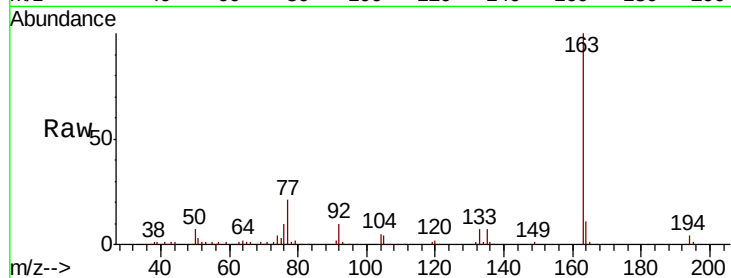
Tot Ion:163 Resp: 85921

Ion Ratio Lower Upper

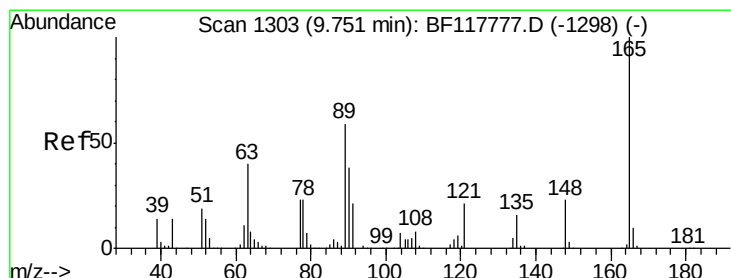
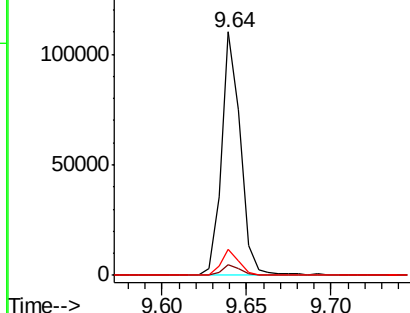
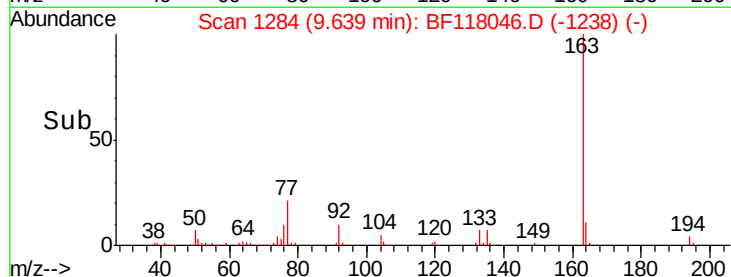
163 100

194 4.4 3.3 4.9

164 10.6 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



#51

2,6-Dinitrotoluene

Concen: 8.400 ng

RT: 9.93 min Scan# 1334

Delta R.T. 0.21 min

Lab File: BF118046.D

Acq: 27 Nov 2019 17:42

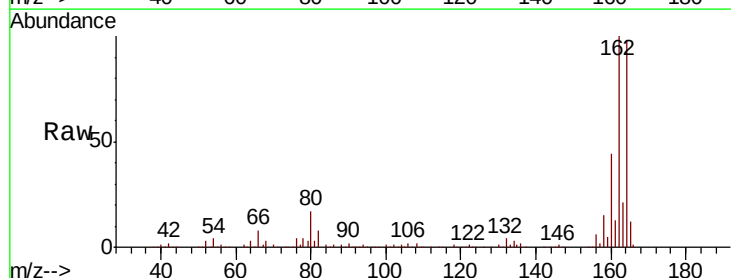
Tgt Ion:165 Resp: 35278

Ion Ratio Lower Upper

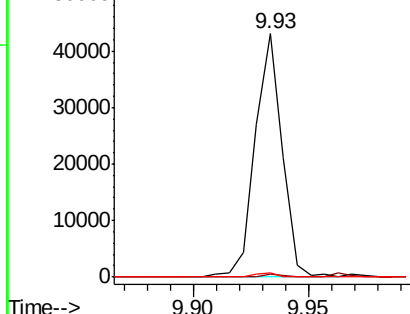
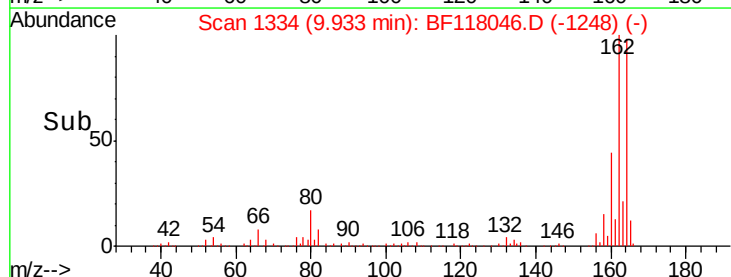
165 100

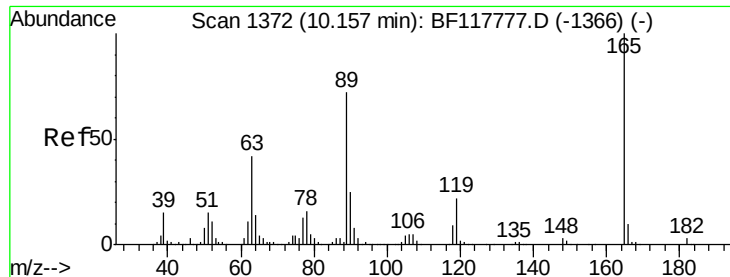
63 1.1 46.0 69.0#

89 1.5 47.7 71.5#



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

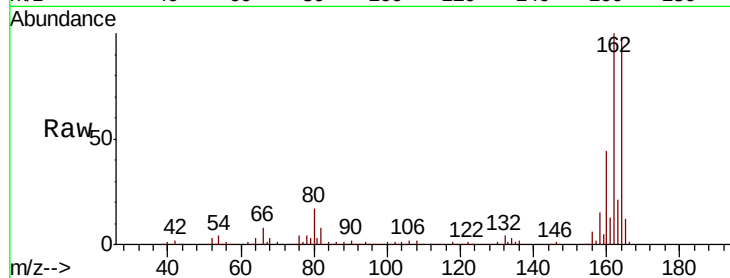




#57
 2,4-Dinitrotoluene
 Concen: 6.604 ng
 RT: 9.93 min Scan# 1334
 Delta R.T. -0.20 min
 Lab File: BF118046.D
 Acq: 27 Nov 2019 17:42

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
165	100		
63	1.1	33.7	50.5#
89	1.5	57.3	85.9#
182	0.0	2.3	3.5#

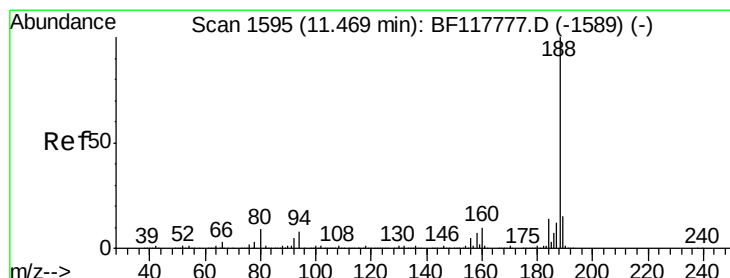
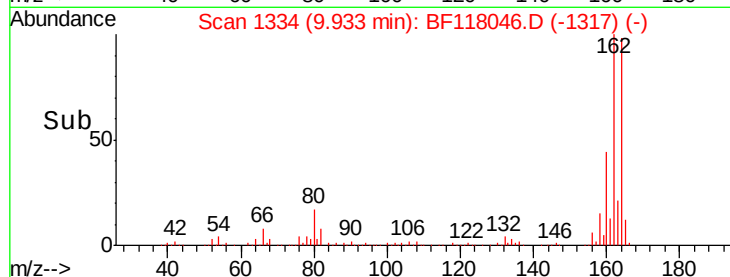
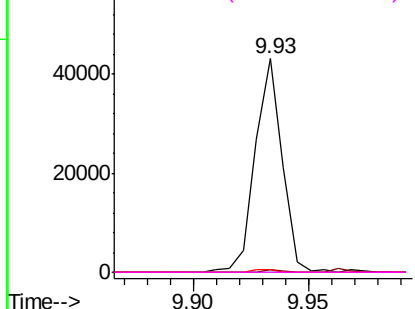


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

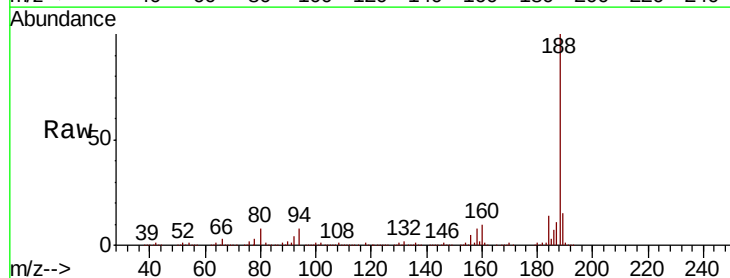
Ion 89.00 (88.70 to 89.70): BF1

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: BF118046.D
 Acq: 27 Nov 2019 17:42

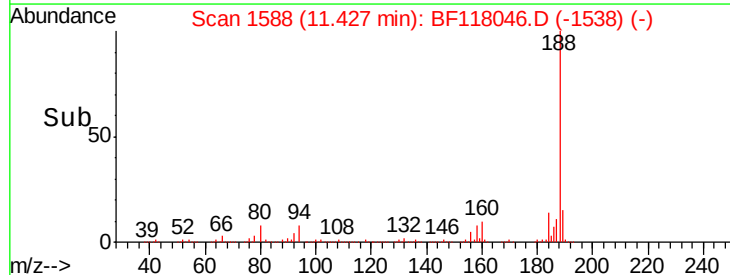
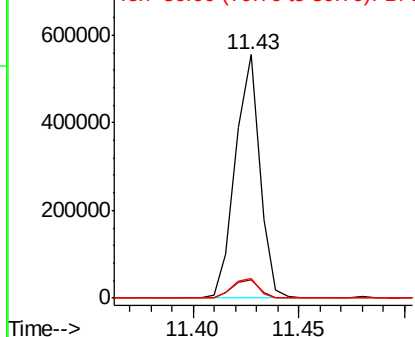
Tgt Ion	Ratio	Lower	Upper
188	100		
94	7.6	6.6	10.0
80	8.3	7.2	10.8

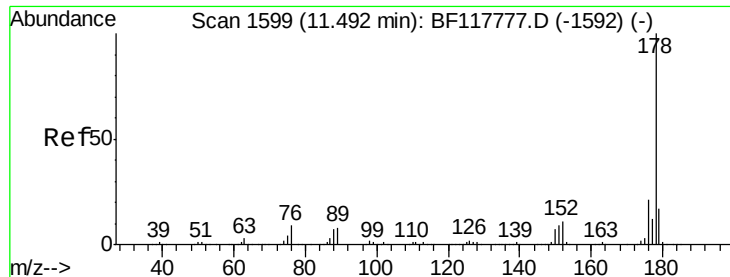


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

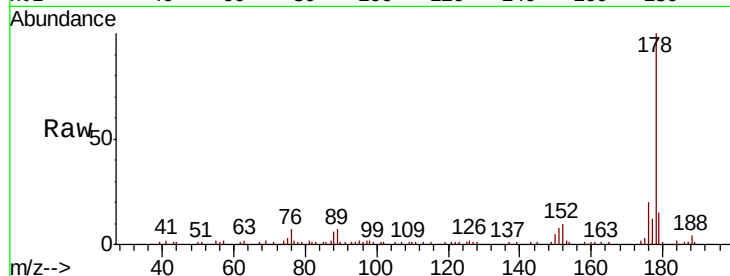




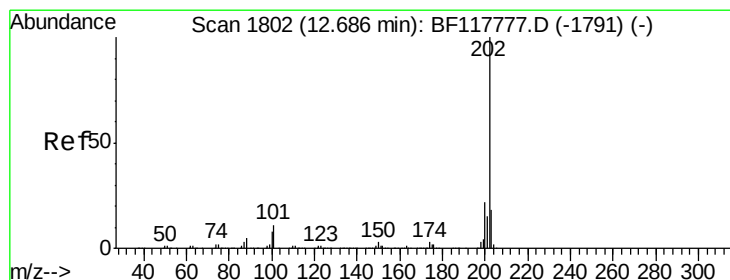
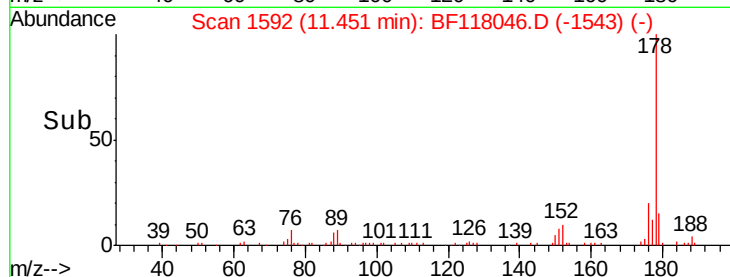
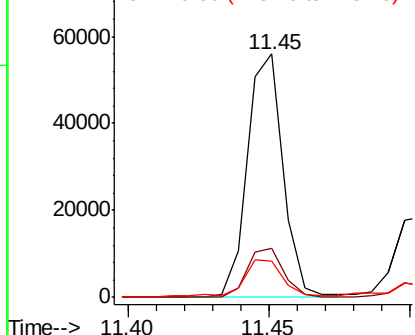
#71
Phenanthrene
Concen: 2.198 ng
RT: 11.45 min Scan# 1592
Delta R.T. -0.01 min
Lab File: BF118046.D
Acq: 27 Nov 2019 17:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 49226
Ion Ratio Lower Upper
178 100
176 20.3 16.6 25.0
179 14.9 13.2 19.8

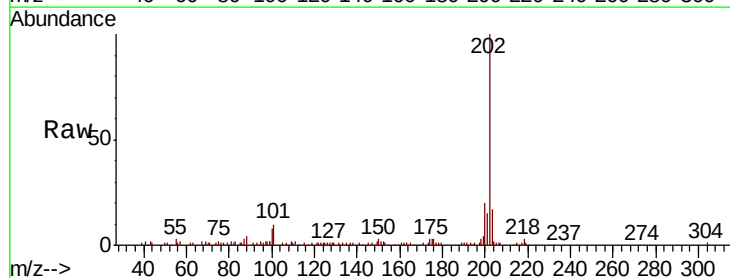


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

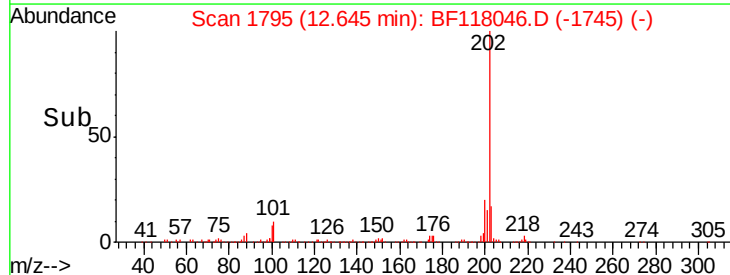
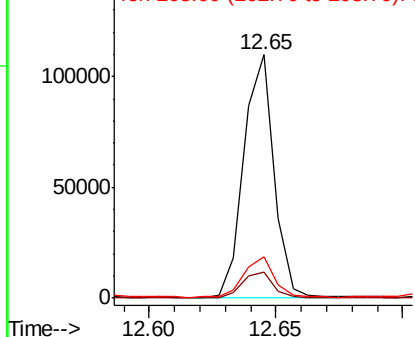


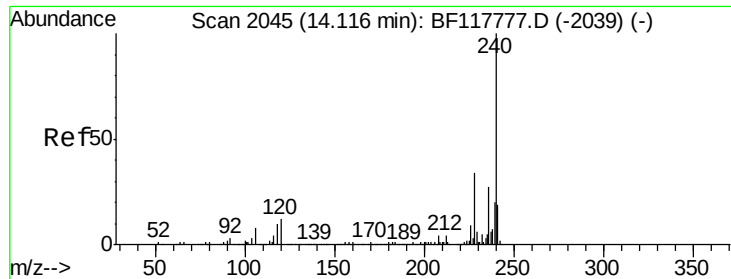
#75
Fluoranthene
Concen: Below Cal
RT: 12.65 min Scan# 1795
Delta R.T. -0.01 min
Lab File: BF118046.D
Acq: 27 Nov 2019 17:42

Tgt Ion:202 Resp: 91339
Ion Ratio Lower Upper
202 100
101 10.5 0.0 31.1
203 17.0 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

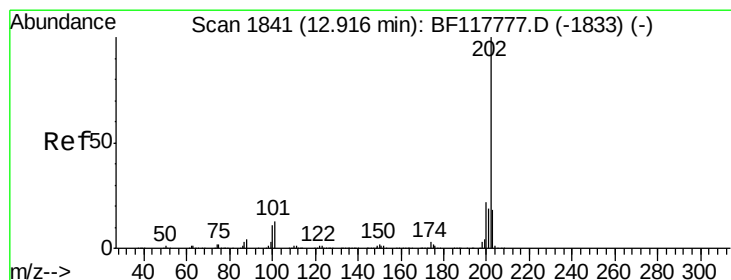
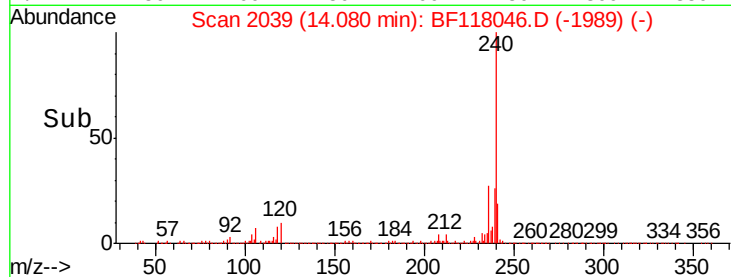
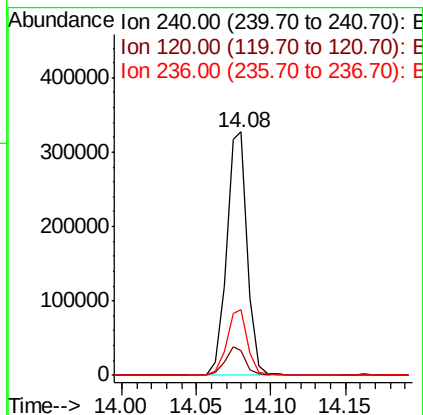
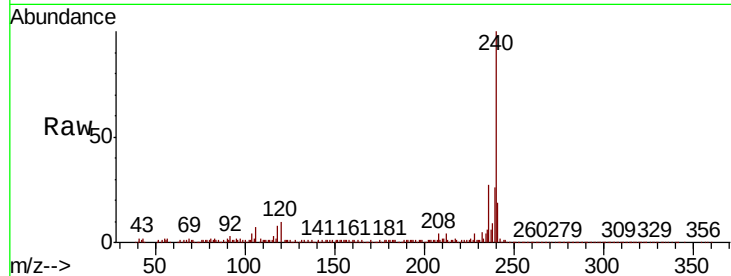




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.08 min Scan# 2039
Delta R.T. -0.01 min
Lab File: BF118046.D
Acq: 27 Nov 2019 17:42

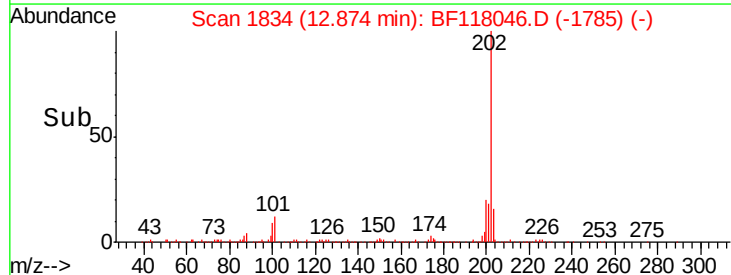
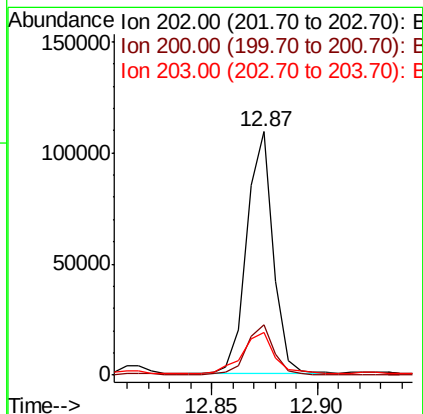
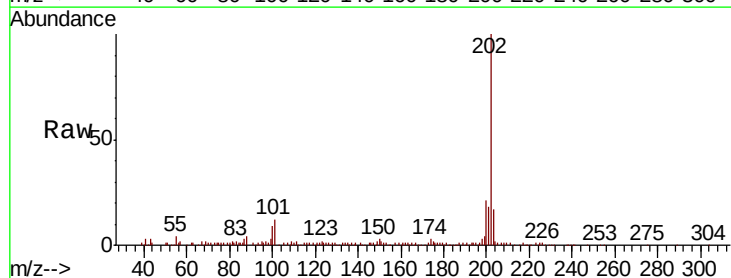
Instrument :
BNA_F
ClientSampleId :

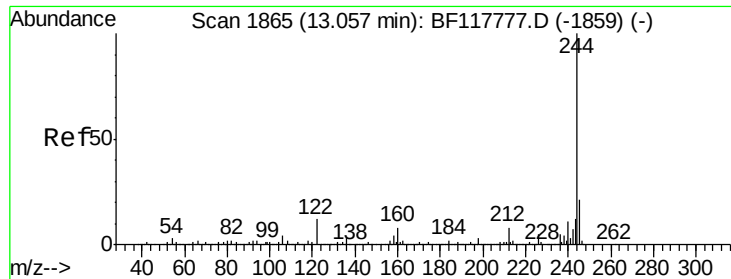
Tot Ion:240 Resp: 317763
Ion Ratio Lower Upper
240 100
120 9.9 9.5 14.3
236 27.2 21.3 31.9



#78
Pyrene
Concen: 3.692 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.01 min
Lab File: BF118046.D
Acq: 27 Nov 2019 17:42

Tgt Ion:202 Resp: 94801
Ion Ratio Lower Upper
202 100
200 20.6 17.8 26.8
203 17.3 14.6 22.0





#79

Terphenyl-d14

Concen: 28.156 ng

RT: 13.02 min Scan# 1858

Delta R.T. -0.01 min

Lab File: BF118046.D

Acq: 27 Nov 2019 17:42

Instrument :

BNA_F

ClientSampleId :

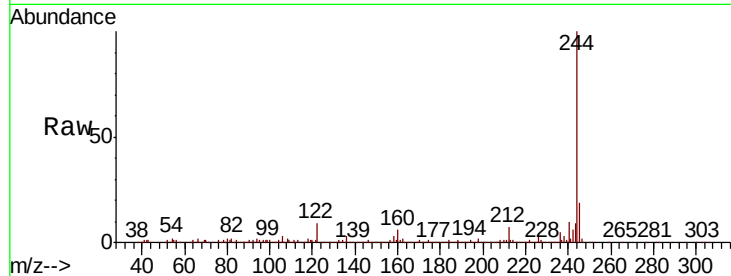
Tot Ion:244 Resp: 489548

Ion Ratio Lower Upper

244 100

212 6.5 6.3 9.5

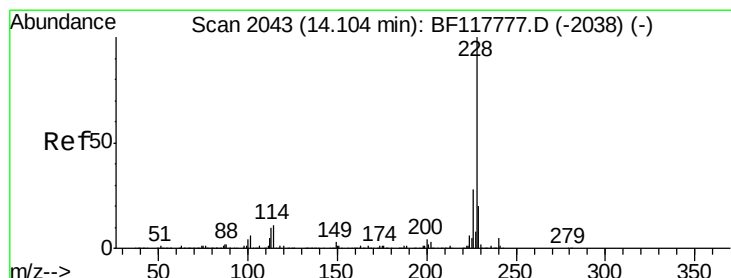
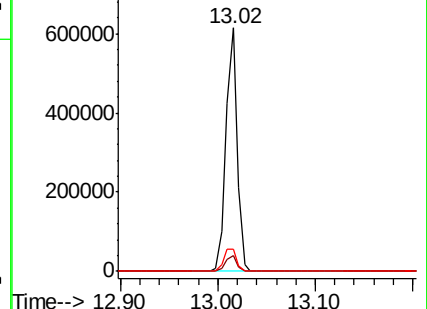
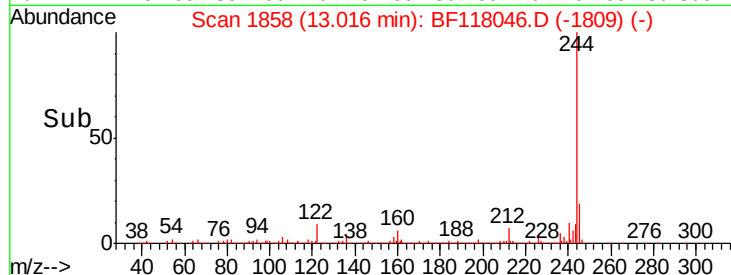
122 9.4 9.4 14.2#



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: 3.042 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF118046.D

Acq: 27 Nov 2019 17:42

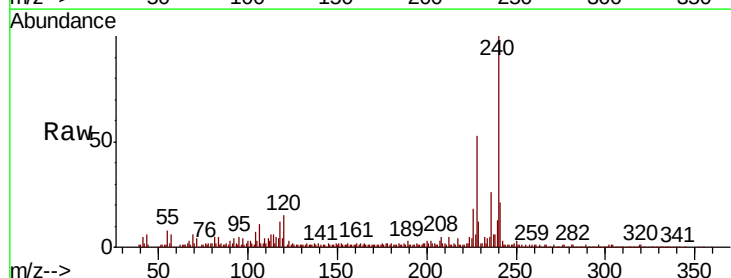
Tgt Ion:228 Resp: 63887

Ion Ratio Lower Upper

228 100

226 34.2 22.2 33.2#

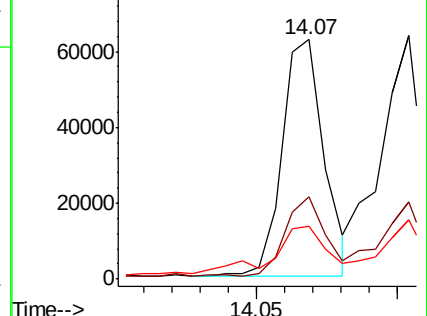
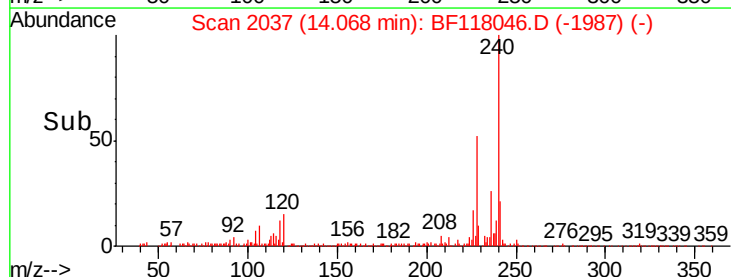
229 21.9 15.9 23.9

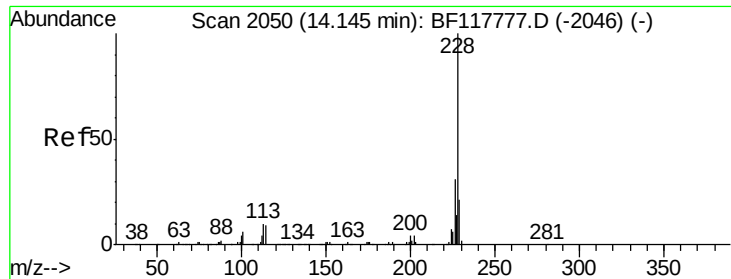


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

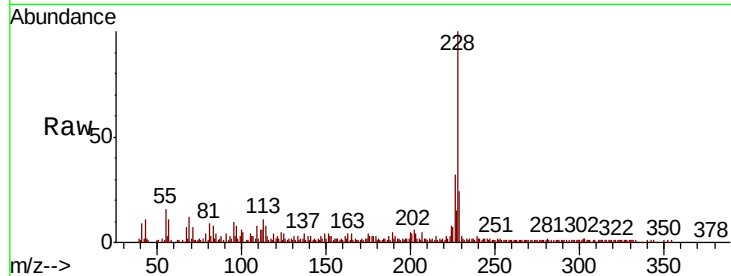




#83
Chrysene
Concen: 3.217 ng
RT: 14.10 min Scan# 2043
Delta R.T. -0.01 min
Lab File: BF118046.D
Acq: 27 Nov 2019 17:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	25.0	37.4
229	24.1	16.6	25.0

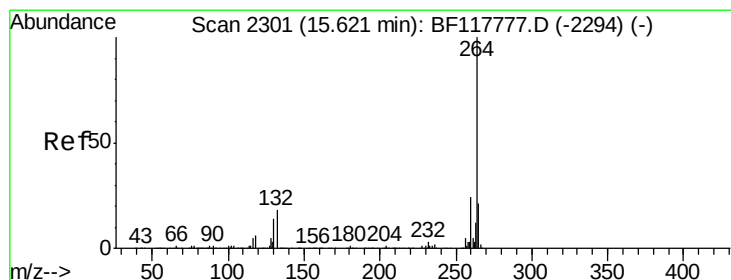
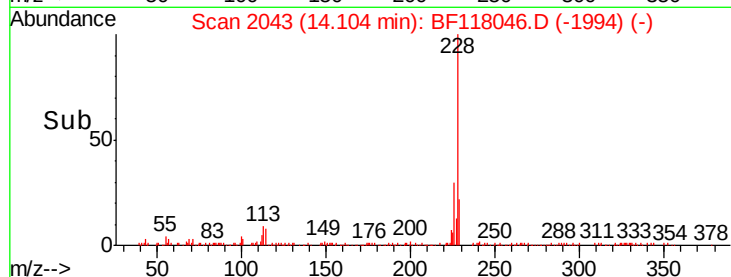
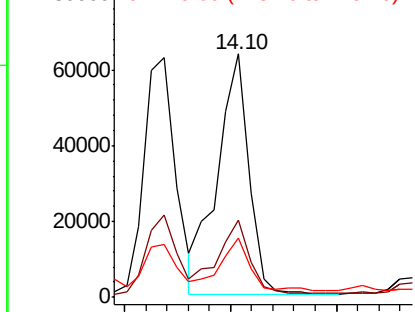


Abundance

Ion 228.00 (227.70 to 228.70): E

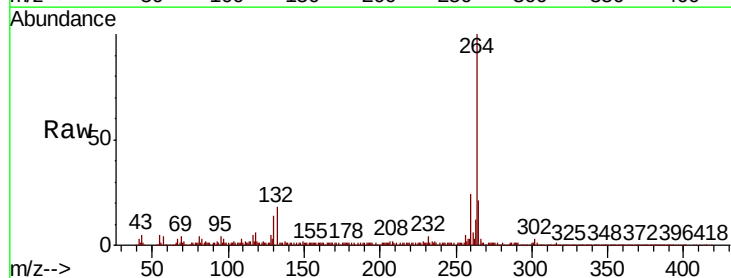
Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.58 min Scan# 2294
Delta R.T. 0.00 min
Lab File: BF118046.D
Acq: 27 Nov 2019 17:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.4	29.0
265	21.5	17.1	25.7

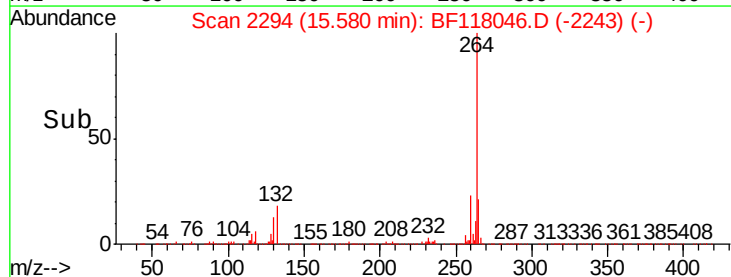
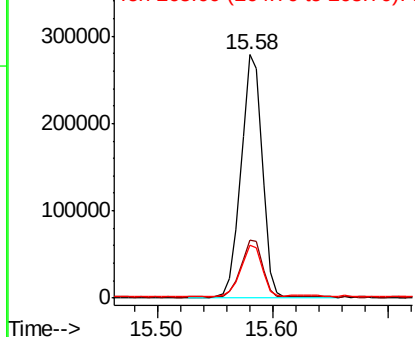


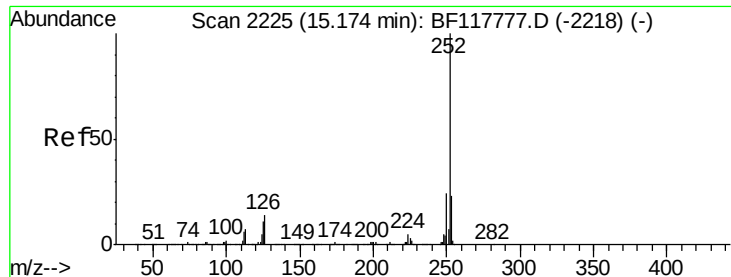
Abundance

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

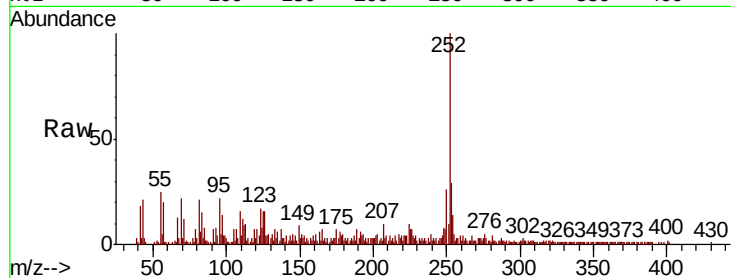




#88
Benzo(b)fluoranthene
Concen: 4.814 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.01 min
Lab File: BF118046.D
Acq: 27 Nov 2019 17:42

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	28.9	18.0	27.0#
125	16.0	8.6	13.0#

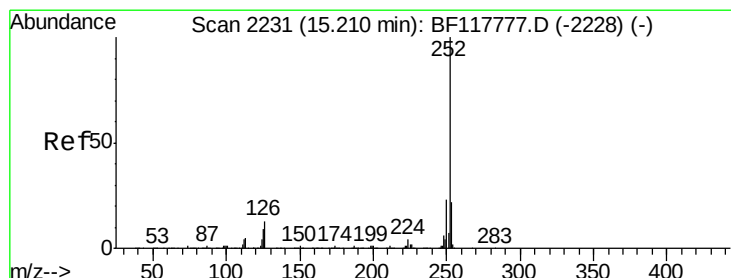
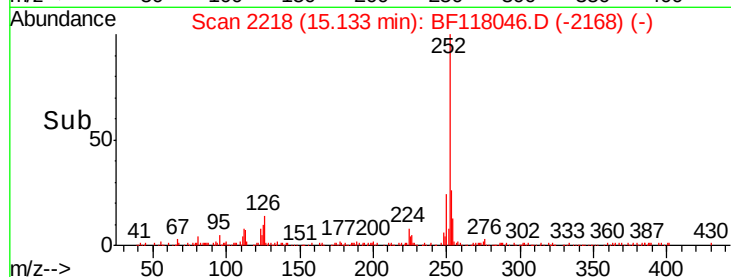
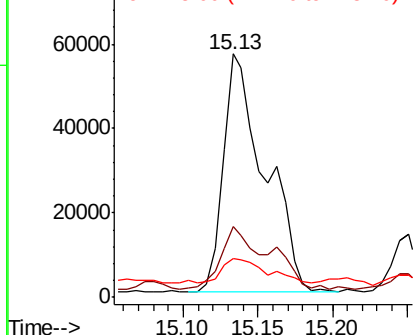


Abundance

Ion 252.00 (251.70 to 252.70): E

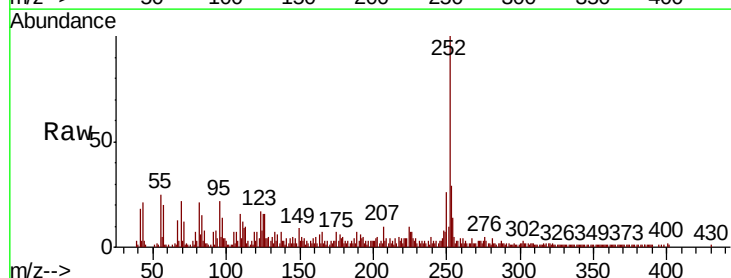
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 5.109 ng
RT: 15.13 min Scan# 2218
Delta R.T. -0.04 min
Lab File: BF118046.D
Acq: 27 Nov 2019 17:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	28.9	17.5	26.3#
125	16.0	7.9	11.9#

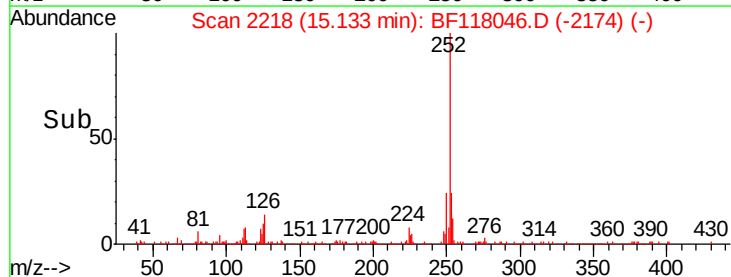
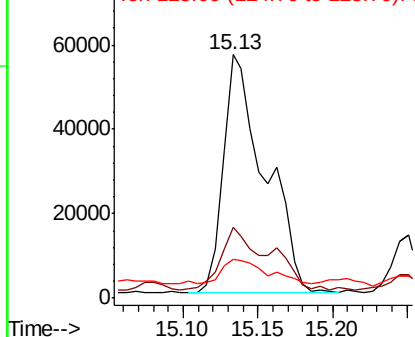


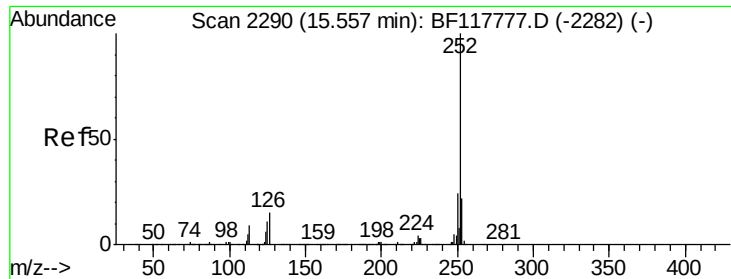
Abundance

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: 2.818 ng

RT: 15.52 min Scan# 2283

Delta R.T. -0.01 min

Lab File: BF118046.D

Acq: 27 Nov 2019 17:42

Instrument :

BNA_F

ClientSampleId :

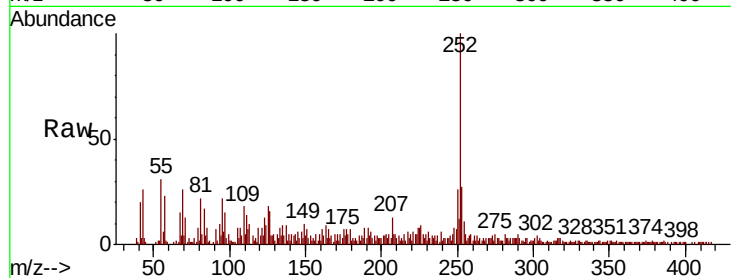
Tot Ion:252 Resp: 56792

Ion Ratio Lower Upper

252 100

253 26.7 17.8 26.6#

125 17.5 9.2 13.8#



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

