

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF112619\
 Data File : BF118009.D
 Acq On : 26 Nov 2019 16:10
 Operator : JU
 Sample : K5973-07DL 5X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Nov 26 16:39:59 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	114524	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	518275	20.00	ng	0.00
39) Acenaphthene-d10	9.95	164	212907	20.00	ng	0.00
64) Phenanthrene-d10	11.44	188	406711	20.00	ng	0.00
76) Chrysene-d12	14.09	240	198535	20.00	ng	0.00
87) Perylene-d12	15.60	264	189876	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.50	112	133386	20.62	ng	0.00
7) Phenol-d6	6.51	99	174973	22.42	ng	-0.01
23) Nitrobenzene-d5	7.45	82	115576	13.26	ng	-0.01
42) 2,4,6-Tribromophenol	10.73	330	43993	19.52	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	224499	18.92	ng	0.00
79) Terphenyl-d14	13.03	244	136311	12.55	ng	0.00

Target Compounds

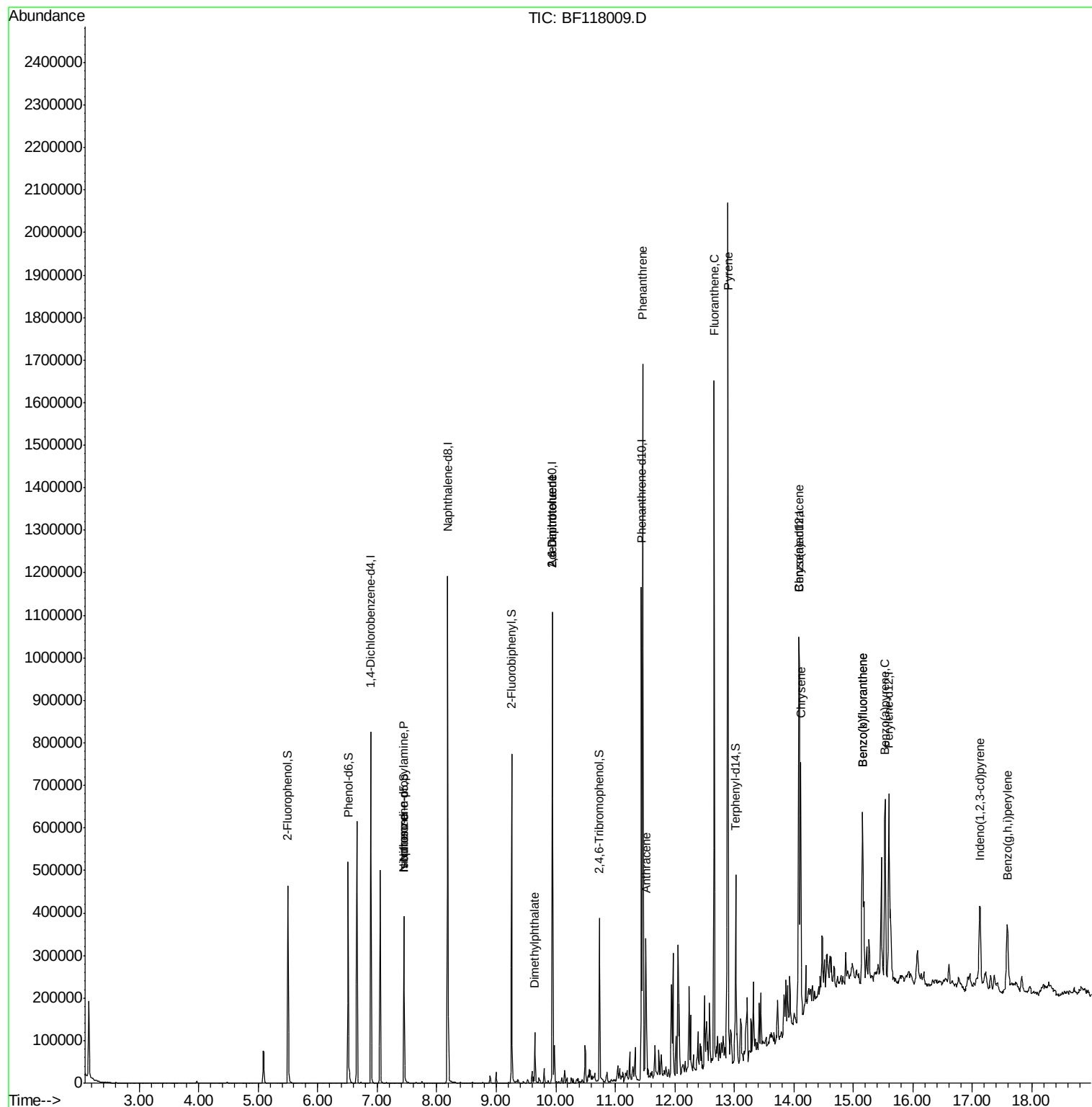
						Qvalue
9) Benzaldehyde	6.52	77	262	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.45	70	15061	3.128 ng	#	75
25) Isophorone	7.45	82	115575	7.233 ng	#	62
50) Dimethylphthalate	9.65	163	44753	2.998 ng		98
51) 2,6-Dinitrotoluene	9.95	165	27941	8.563 ng	#	24
57) 2,4-Dinitrotoluene	9.95	165	27941	6.732 ng	#	25
71) Phenanthrene	11.46	178	562432	27.505 ng		98
72) Anthracene	11.52	178	125072	6.169 ng		97
75) Fluoranthene	12.66	202	617580	30.790 ng		98
78) Pyrene	12.89	202	764664	47.658 ng		98
81) Benzo(a)anthracene	14.08	228	252860	19.274 ng		99
83) Chrysene	14.12	228	219278	17.249 ng		98
86) Indeno(1,2,3-cd)pyrene	17.13	276	120720	11.157 ng	#	93
88) Benzo(b)fluoranthene	15.15	252	315587	25.582 ng		99
89) Benzo(k)fluoranthene	15.15	252	315587	27.151 ng		98
90) Benzo(a)pyrene	15.53	252	202193	18.639 ng		99
92) Benzo(a,h,i)perylene	17.59	276	124715	13.410 ng		97

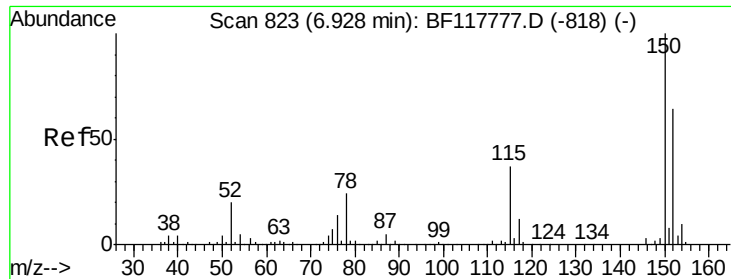
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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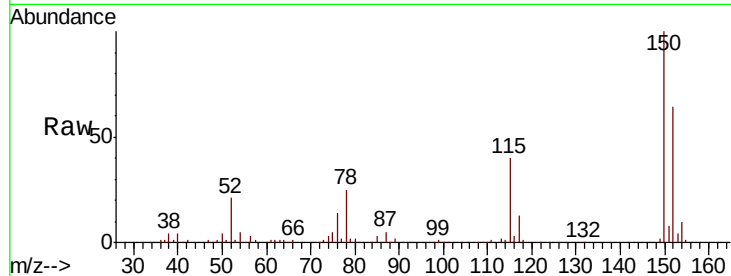


#1

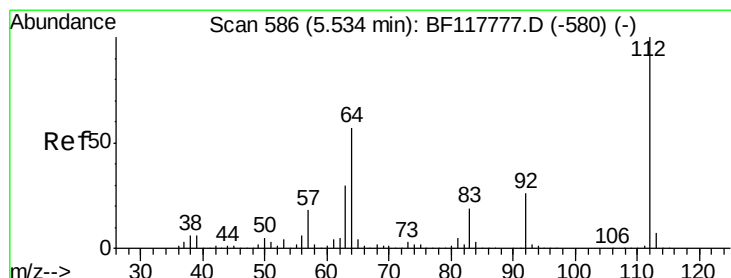
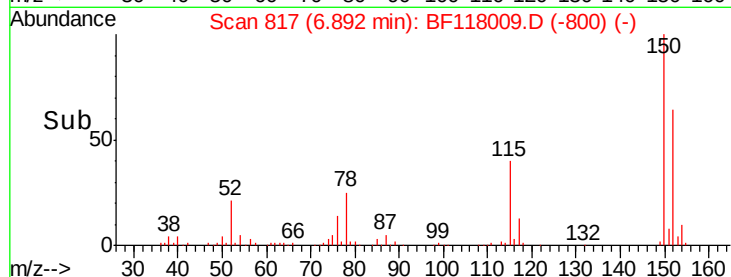
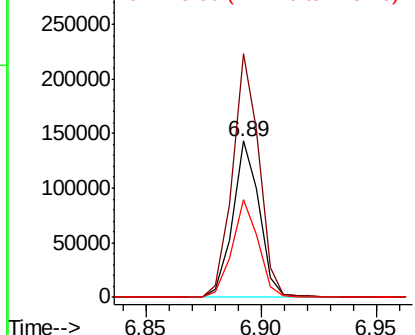
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 114524
Ion Ratio Lower Upper
152 100
150 155.7 125.3 187.9
115 62.5 47.0 70.4



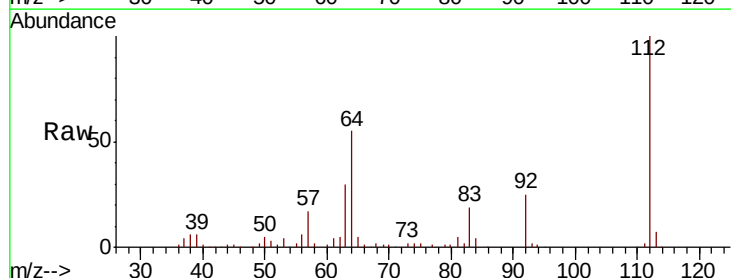
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



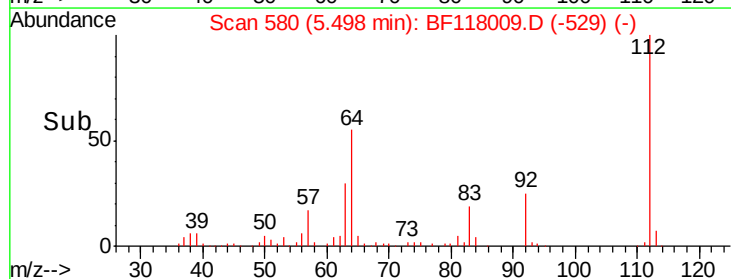
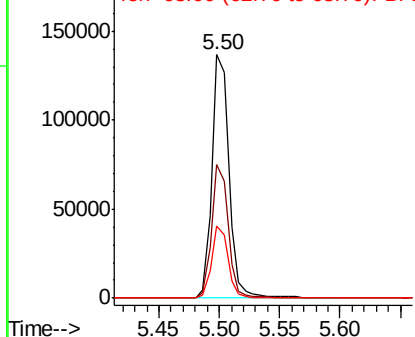
#5

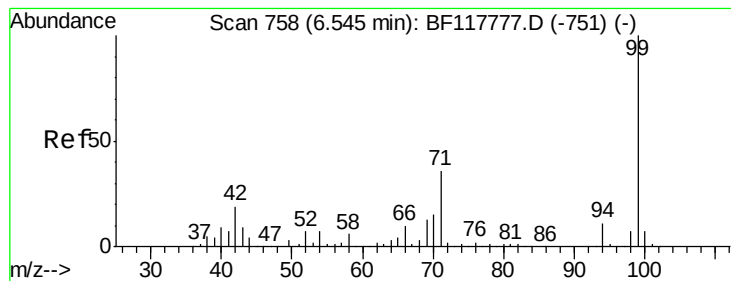
2-Fluorophenol
Concen: 20.616 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:112 Resp: 133386
Ion Ratio Lower Upper
112 100
64 54.8 45.6 68.4
63 29.6 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: 22.422 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

Instrument :

BNA_F

ClientSampled :

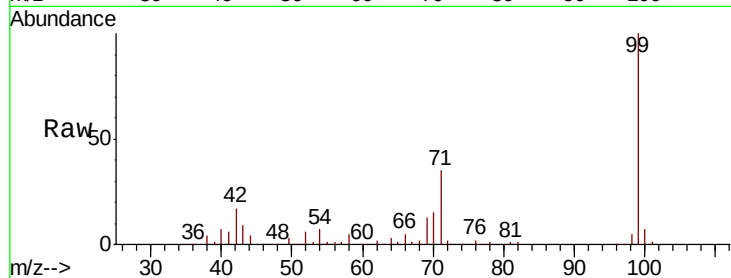
Tot Ion: 99 Resp: 174973

Ion Ratio Lower Upper

99 100

42 17.5 14.9 22.3

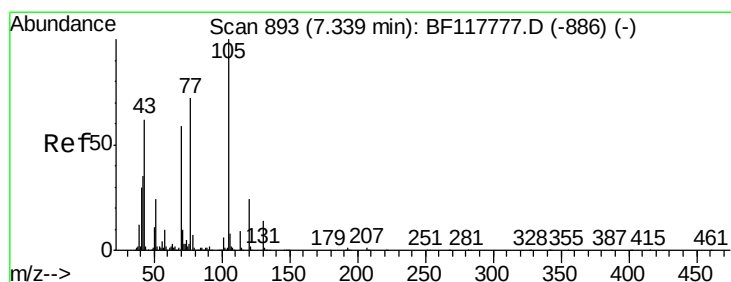
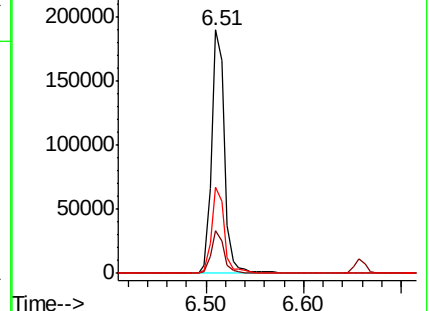
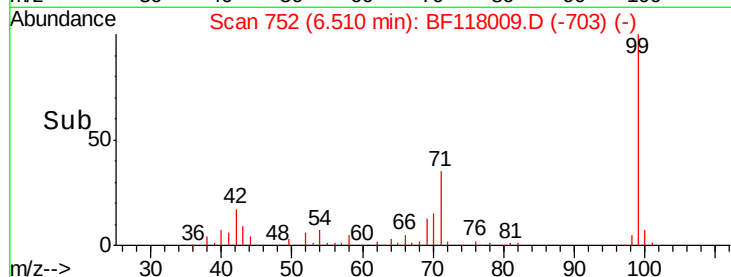
71 35.4 28.6 43.0



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: 3.128 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

Tgt Ion: 70 Resp: 15061

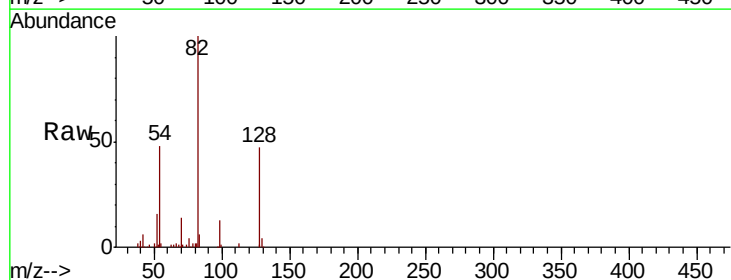
Ion Ratio Lower Upper

70 100

42 45.9 47.4 71.2#

101 0.0 8.4 12.6#

130 2.9 18.8 28.2#

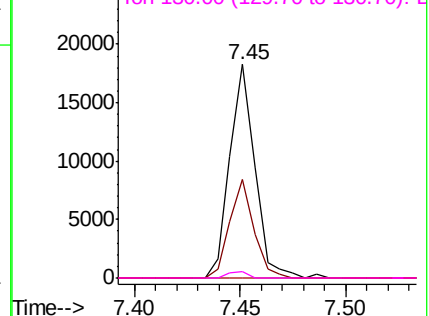
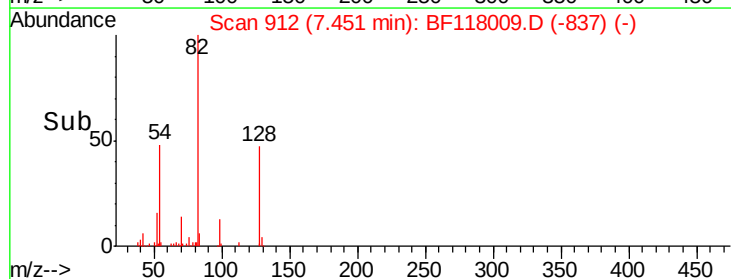


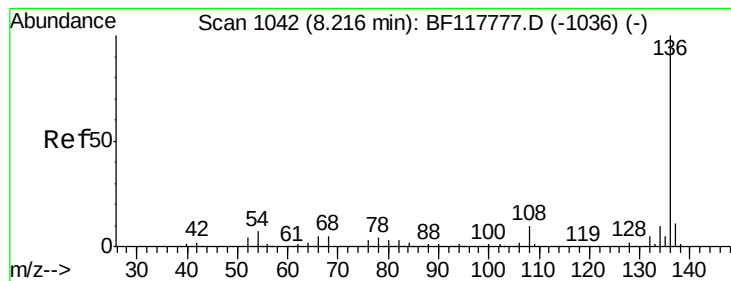
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.18 min Scan# 1036

Delta R.T. -0.00 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 518275

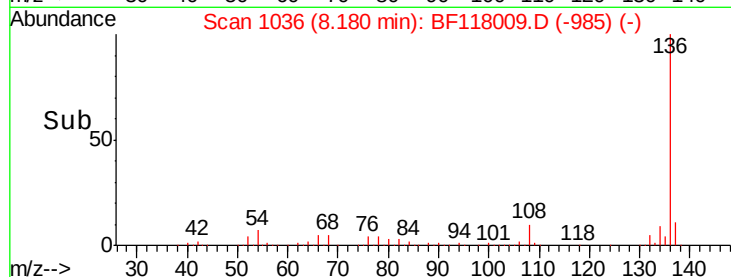
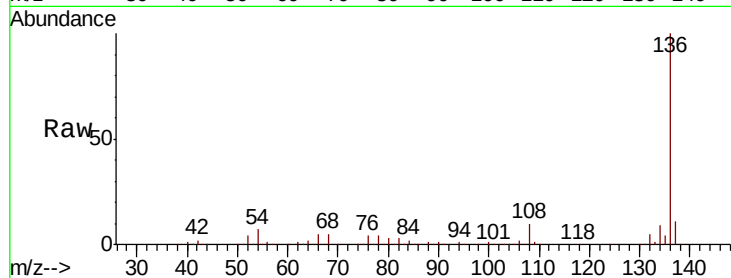
Ion Ratio Lower Upper

136 100

137 11.3 9.0 13.4

54 7.0 5.4 8.2

68 5.1 4.3 6.5

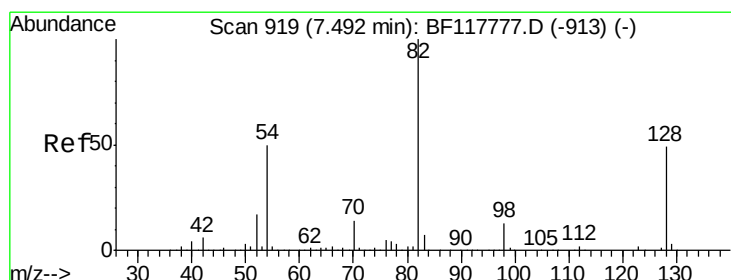
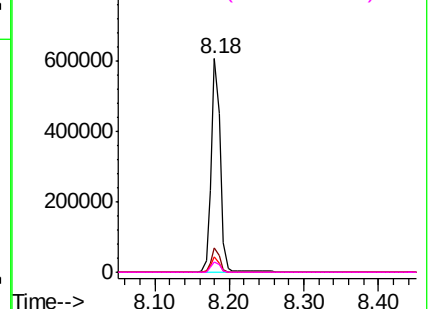


Abundance Ion 136.00 (135.70 to 136.70): E

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: 13.257 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

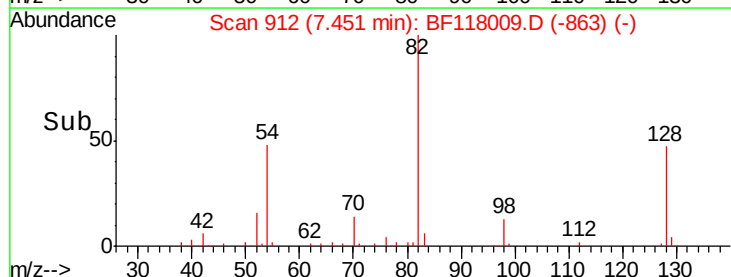
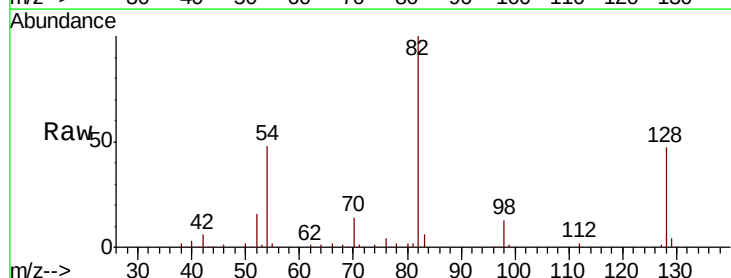
Tgt Ion: 82 Resp: 115576

Ion Ratio Lower Upper

82 100

128 47.3 38.9 58.3

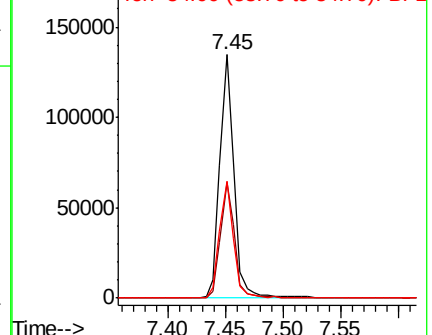
54 47.8 39.8 59.6

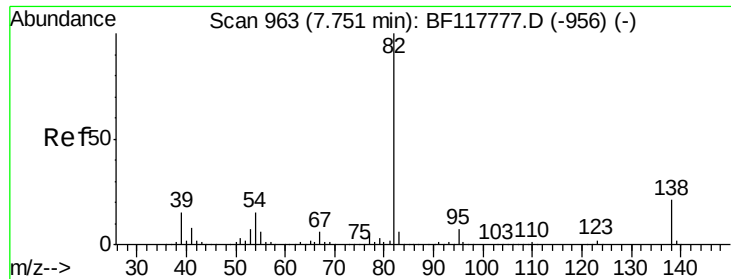


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 7.233 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

Instrument :

BNA_F

ClientSampleId :

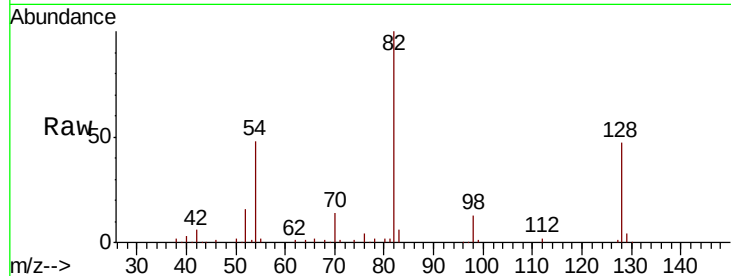
Tot Ion: 82 Resp: 115575

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.8#

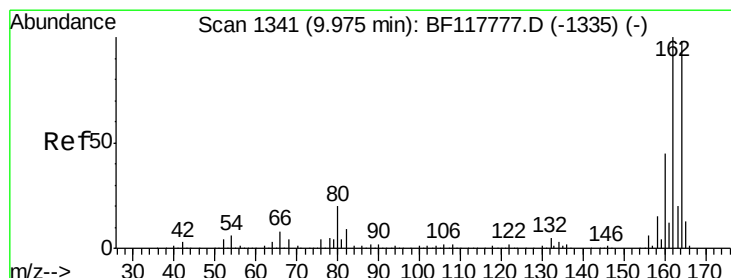
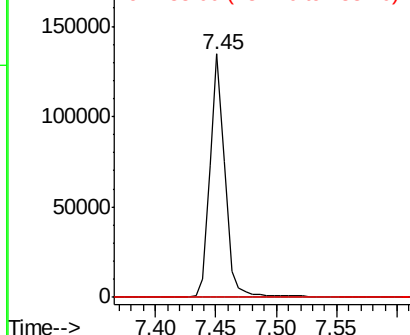
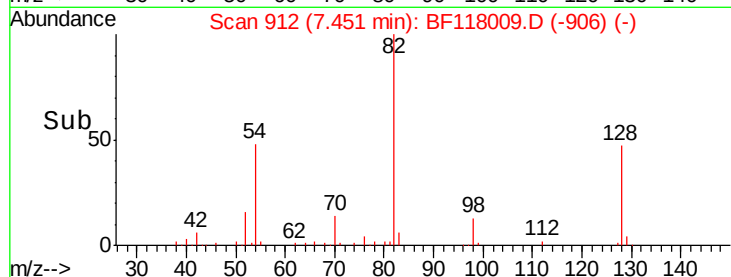
138 0.0 16.5 24.7#



Abundance Ion 82.00 (81.70 to 82.70): BF118009.D (-906) (-)

Ion 95.00 (94.70 to 95.70): BF118009.D (-906) (-)

Ion 138.00 (137.70 to 138.70): BF118009.D (-906) (-)



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.95 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

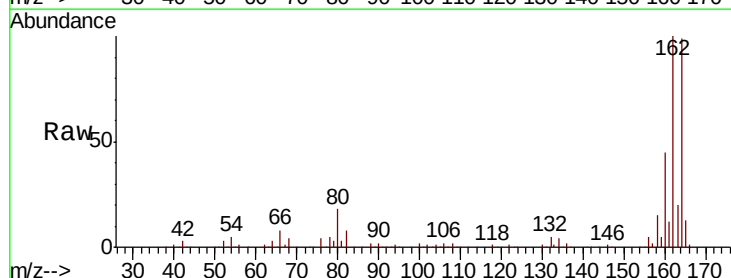
Tgt Ion: 164 Resp: 212907

Ion Ratio Lower Upper

164 100

162 101.4 81.3 121.9

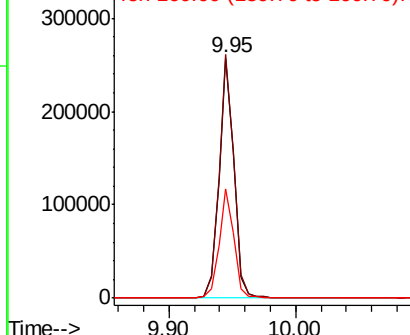
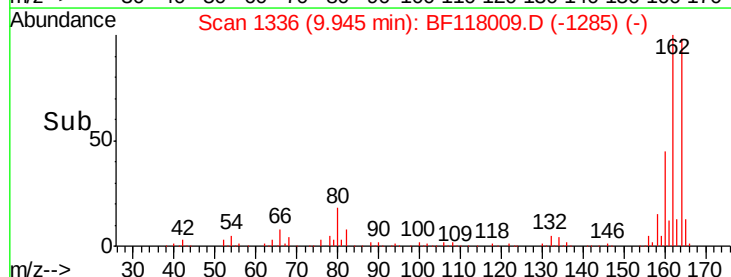
160 45.2 36.6 55.0

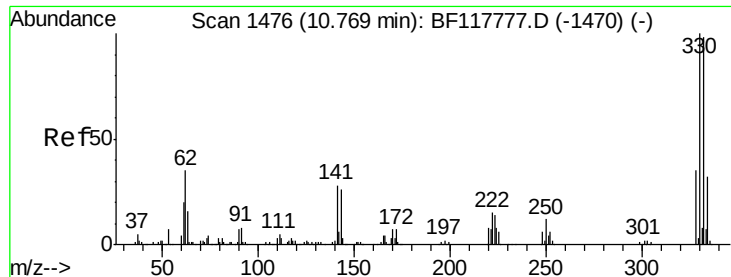


Abundance Ion 164.00 (163.70 to 164.70): BF118009.D (-1285) (-)

Ion 162.00 (161.70 to 162.70): BF118009.D (-1285) (-)

Ion 160.00 (159.70 to 160.70): BF118009.D (-1285) (-)

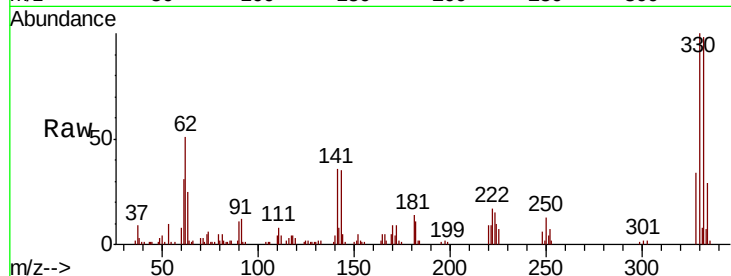




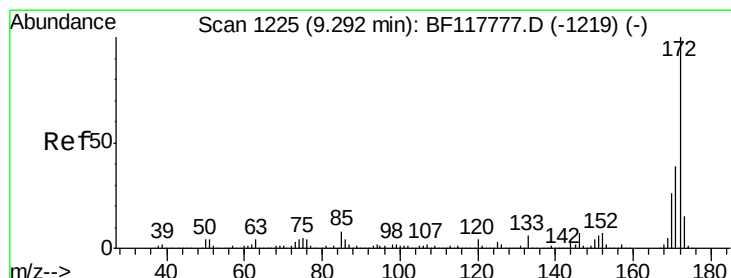
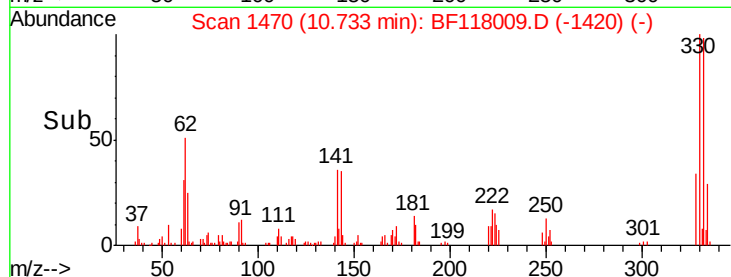
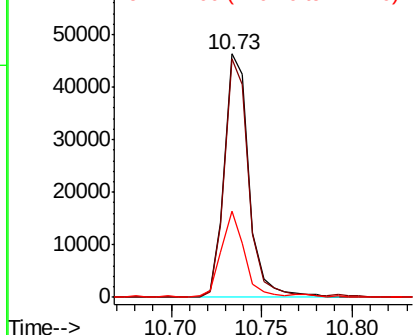
#42
 2,4,6-Tribromophenol
 Concen: 19.518 ng
 RT: 10.73 min Scan# 1470
 Delta R.T. -0.01 min
 Lab File: BF118009.D
 Acq: 26 Nov 2019 16:10

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 43993
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.7 115.1
 141 34.7 27.7 41.5

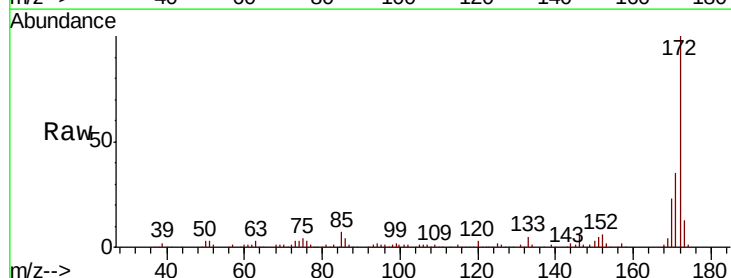


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

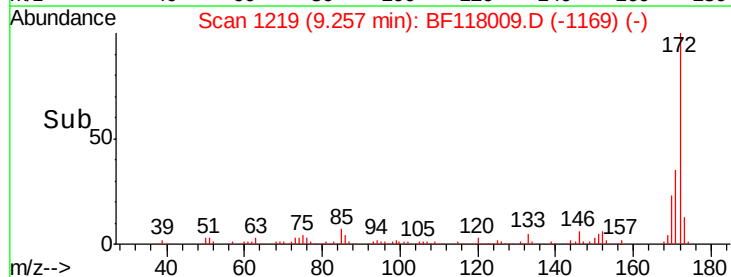
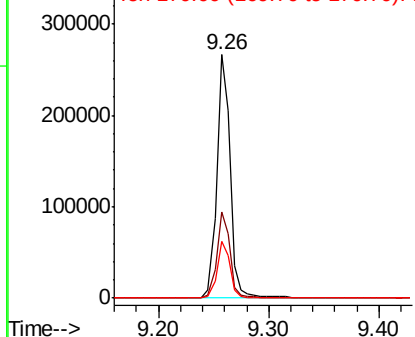


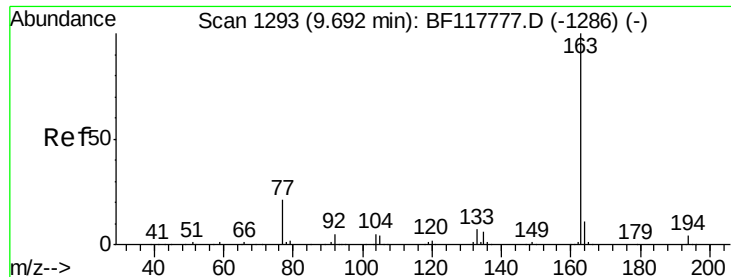
#45
 2-Fluorobiphenyl
 Concen: 18.917 ng
 RT: 9.26 min Scan# 1219
 Delta R.T. -0.01 min
 Lab File: BF118009.D
 Acq: 26 Nov 2019 16:10

Tgt Ion:172 Resp: 224499
 Ion Ratio Lower Upper
 172 100
 171 35.3 30.9 46.3
 170 23.1 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: 2.998 ng

RT: 9.65 min Scan# 1286

Delta R.T. -0.02 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

Instrument :

BNA_F

ClientSampleId :

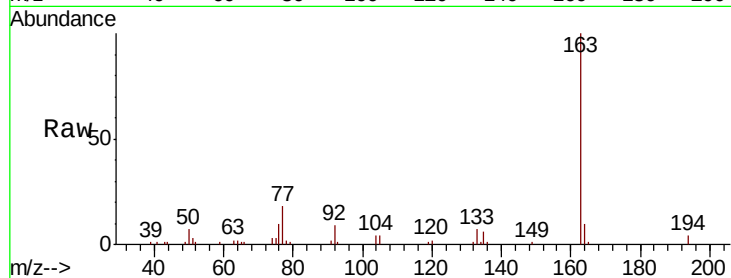
Tot Ion:163 Resp: 44753

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

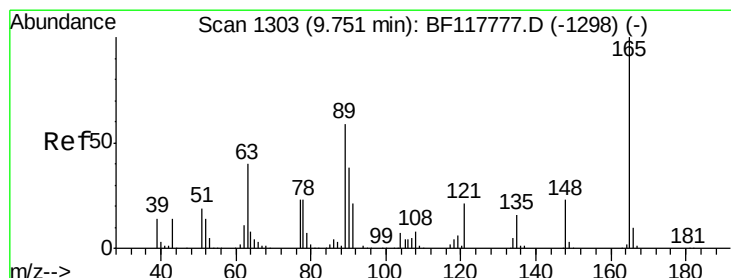
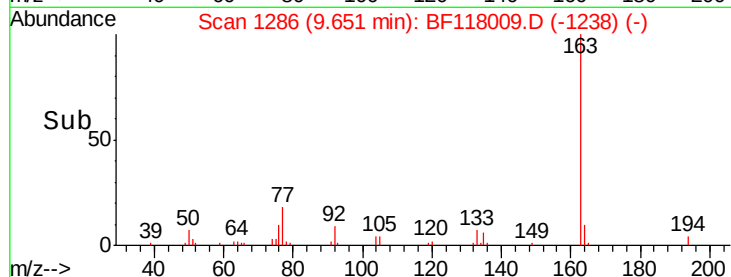
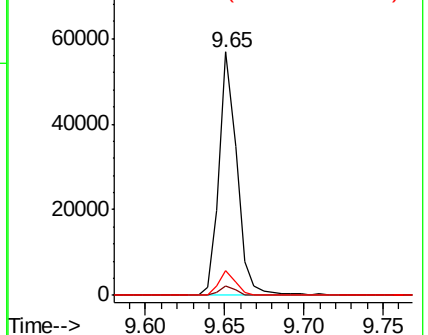
164 10.0 8.7 13.1



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: 8.563 ng

RT: 9.95 min Scan# 1336

Delta R.T. 0.22 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

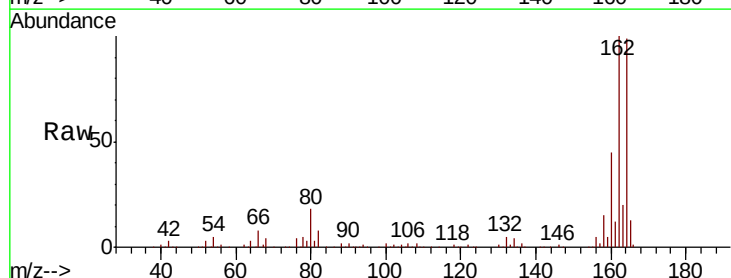
Tgt Ion:165 Resp: 27941

Ion Ratio Lower Upper

165 100

63 1.3 46.0 69.0#

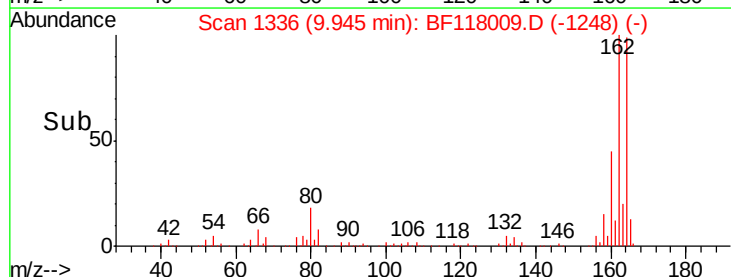
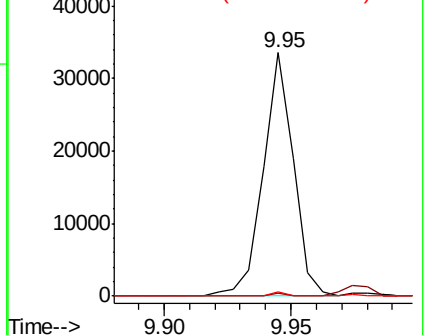
89 1.7 47.7 71.5#

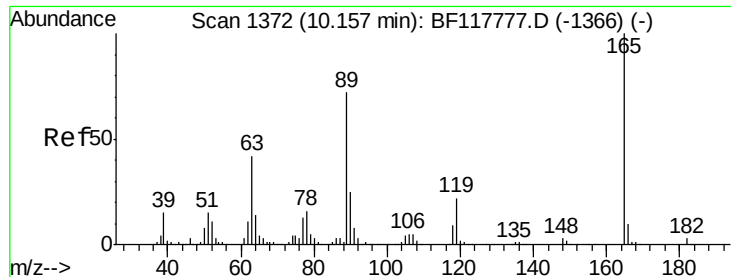


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

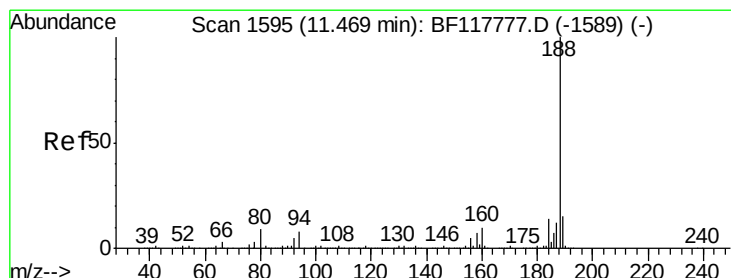
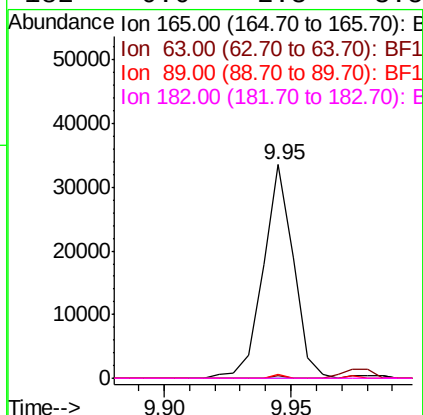
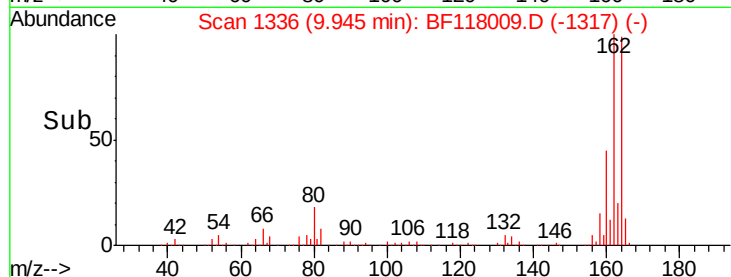
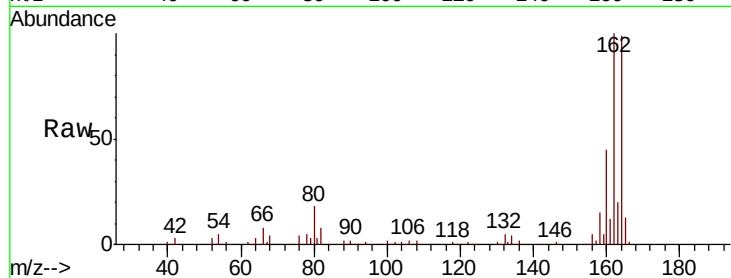




#57
 2,4-Dinitrotoluene
 Concen: 6.732 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.19 min
 Lab File: BF118009.D
 Acq: 26 Nov 2019 16:10

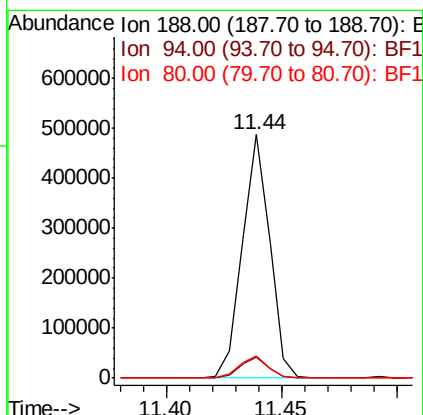
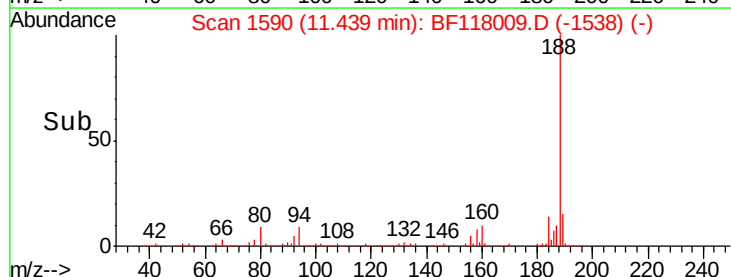
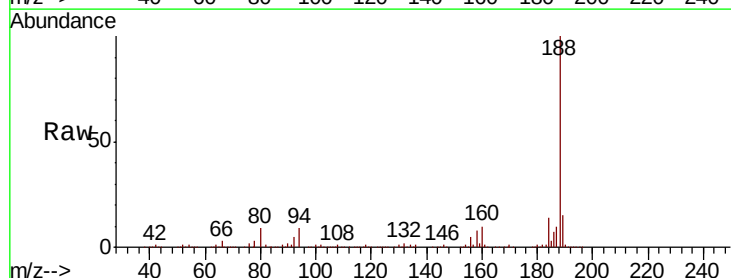
Instrument :
 BNA_F
 ClientSampled :

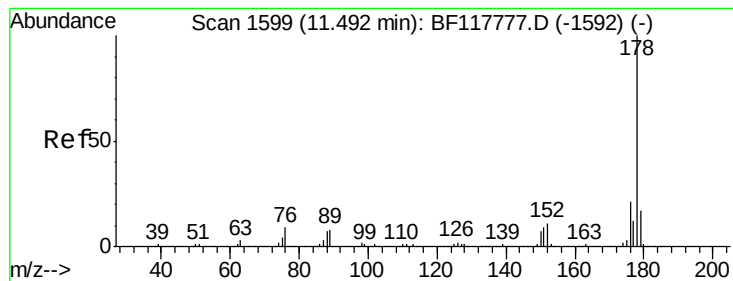
Tot Ion	Ratio	Lower	Upper
165	100		
63	1.3	33.7	50.5#
89	1.7	57.3	85.9#
182	0.0	2.3	3.5#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.44 min Scan# 1590
 Delta R.T. 0.01 min
 Lab File: BF118009.D
 Acq: 26 Nov 2019 16:10

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.7	6.6	10.0
80	9.2	7.2	10.8





#71

Phenanthrene

Concen: 27.505 ng

RT: 11.46 min Scan# 1594

Delta R.T. -0.00 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

Instrument :

BNA_F

ClientSampled :

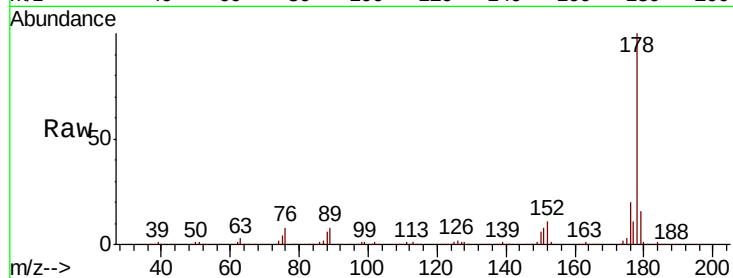
Tot Ion:178 Resp: 562432

Ion Ratio Lower Upper

178 100

176 19.5 16.6 25.0

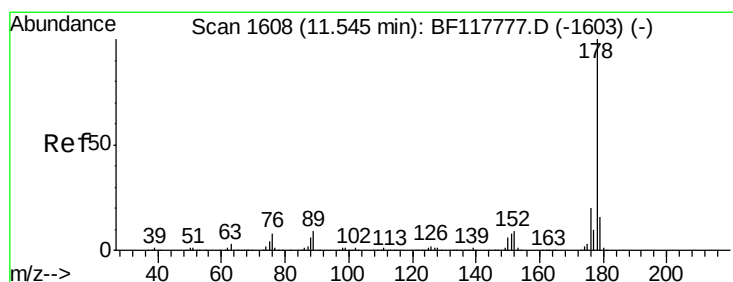
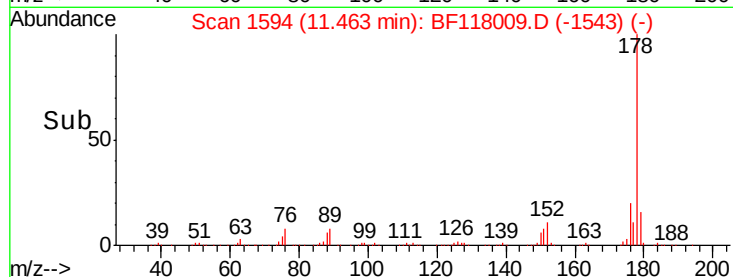
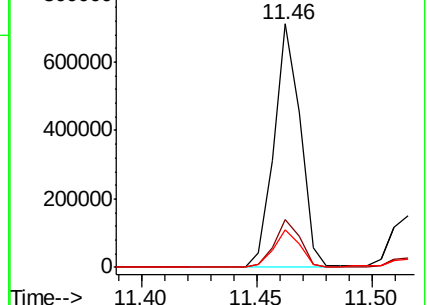
179 15.6 13.2 19.8



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: 6.169 ng

RT: 11.52 min Scan# 1603

Delta R.T. -0.00 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

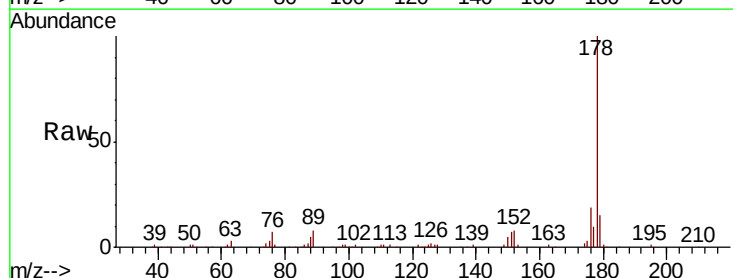
Tgt Ion:178 Resp: 125072

Ion Ratio Lower Upper

178 100

176 18.8 16.1 24.1

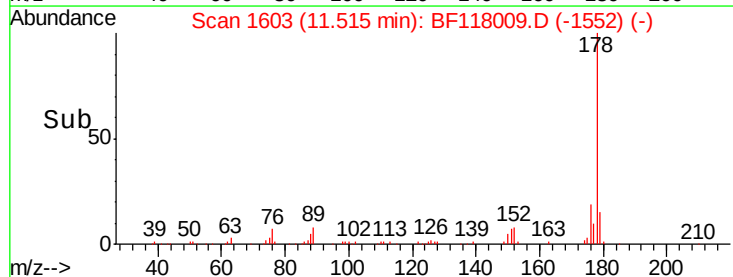
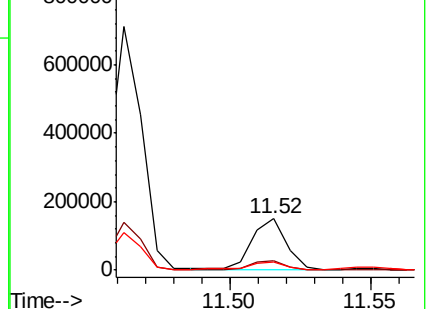
179 15.1 13.0 19.4

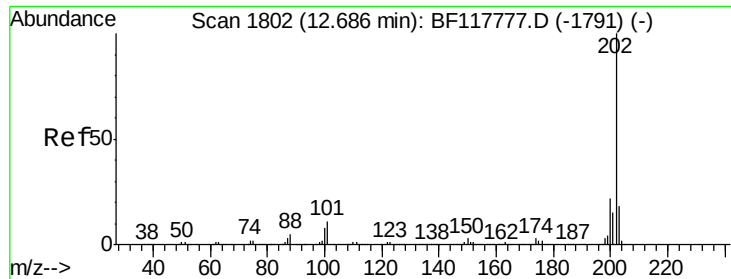


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 30.790 ng

RT: 12.66 min Scan# 1798

Delta R.T. 0.01 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

Instrument :

BNA_F

ClientSampleId :

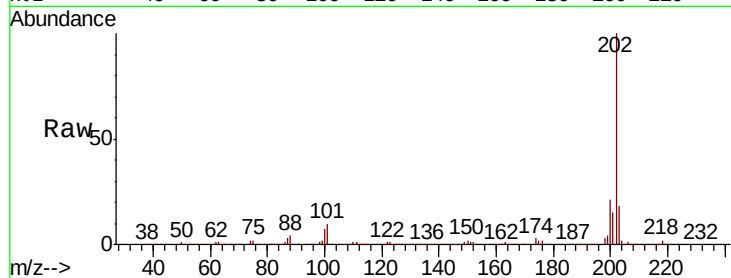
Tot Ion:202 Resp: 617580

Ion	Ratio	Lower	Upper
202	100		
101	9.5	0.0	31.1
203	17.7	0.0	38.2

202 100

101 9.5 0.0 31.1

203 17.7 0.0 38.2

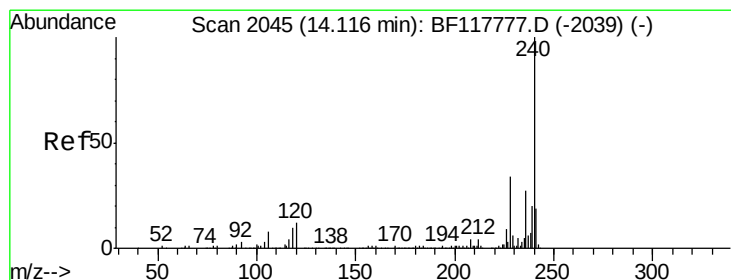
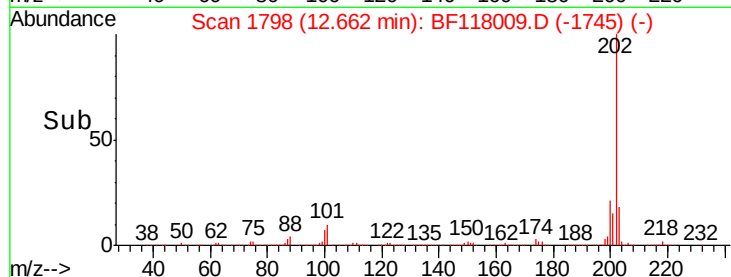
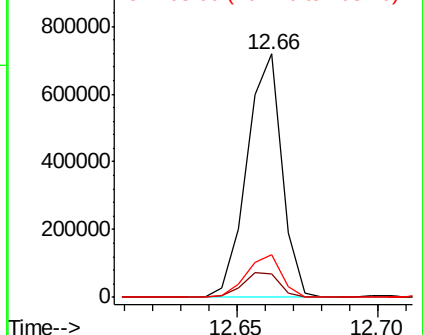


Abundance

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: 14.09 min Scan# 2041

Delta R.T. 0.01 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

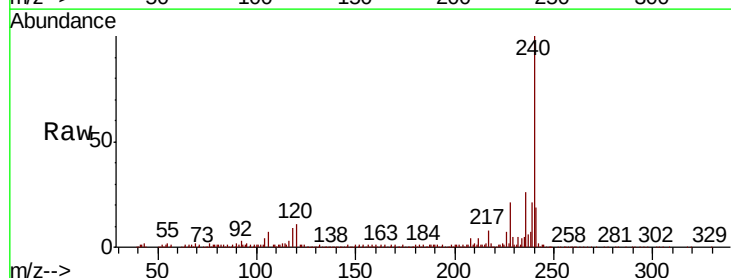
Tgt Ion:240 Resp: 198535

Ion	Ratio	Lower	Upper
240	100		
120	10.6	9.5	14.3
236	26.4	21.3	31.9

240 100

120 10.6 9.5 14.3

236 26.4 21.3 31.9

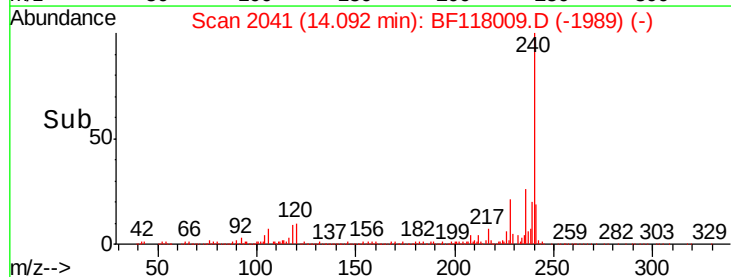
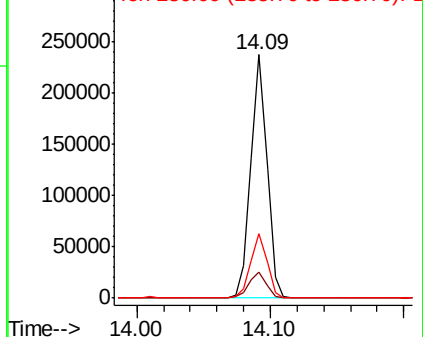


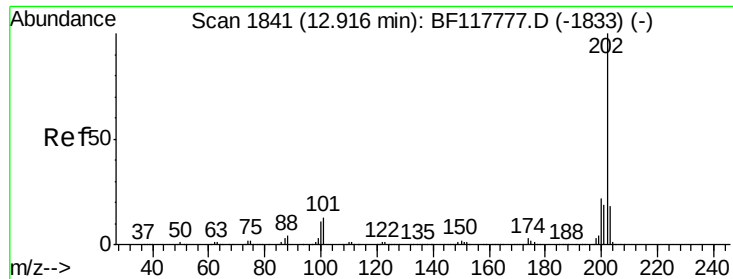
Abundance

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

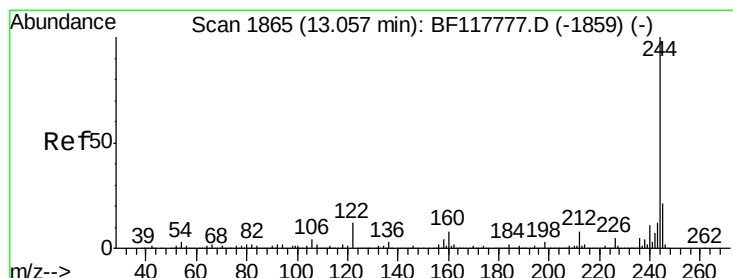
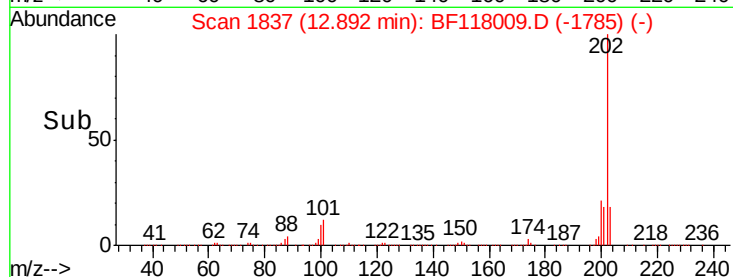
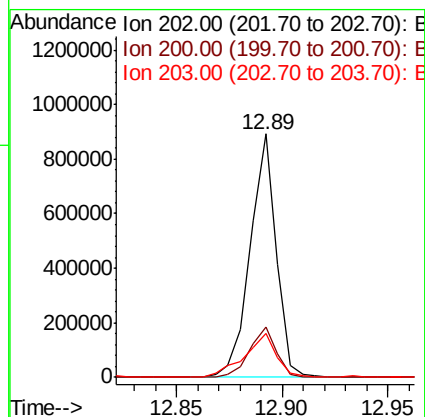
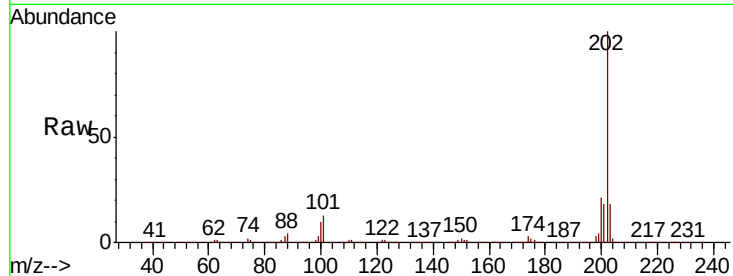




#78
Pvrene
Concen: 47.658 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

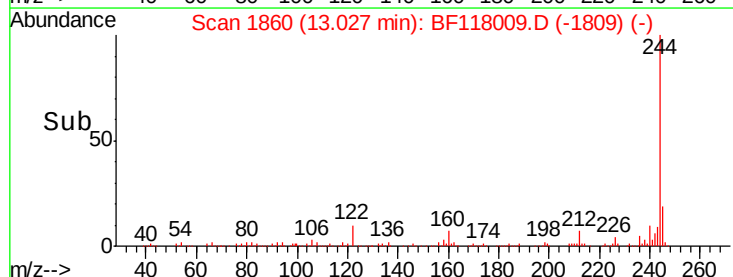
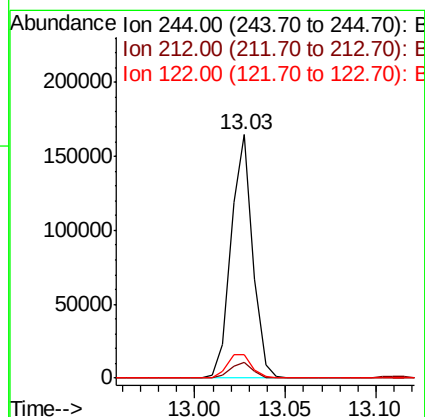
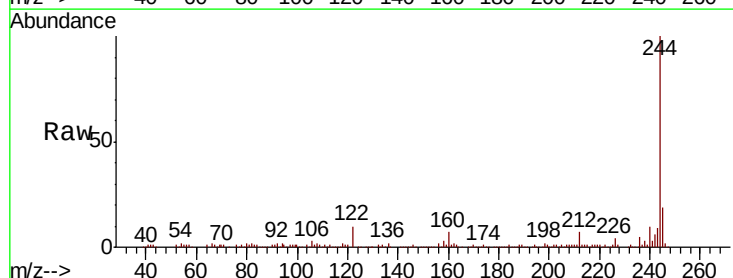
Instrument :
BNA_F
ClientSampled :

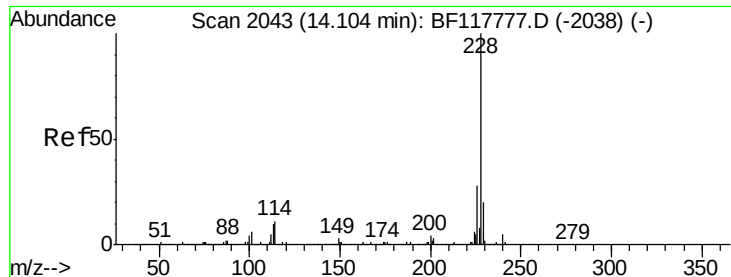
Tot Ion:202 Resp: 764664
Ion Ratio Lower Upper
202 100
200 20.9 17.8 26.8
203 17.9 14.6 22.0



#79
Terphenyl-d14
Concen: 12.548 ng
RT: 13.03 min Scan# 1860
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion:244 Resp: 136311
Ion Ratio Lower Upper
244 100
212 6.6 6.3 9.5
122 9.6 9.4 14.2





#81

Benzo(a)anthracene

Concen: 19.274 ng

RT: 14.08 min Scan# 2039

Delta R.T. 0.01 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

Instrument :

BNA_F

ClientSampleId :

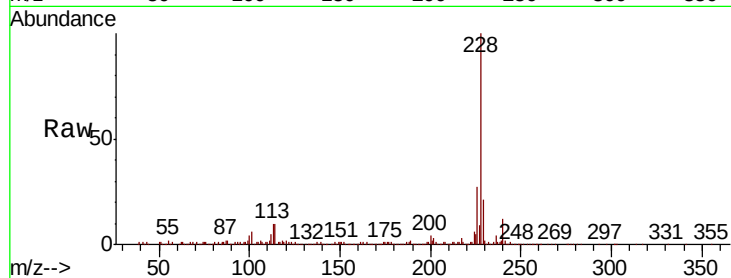
Tot Ion:228 Resp: 252860

Ion Ratio Lower Upper

228 100

226 27.4 22.2 33.2

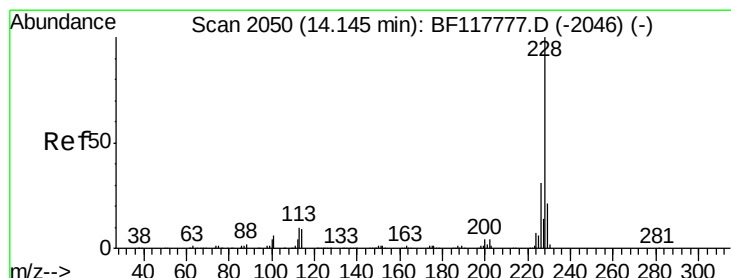
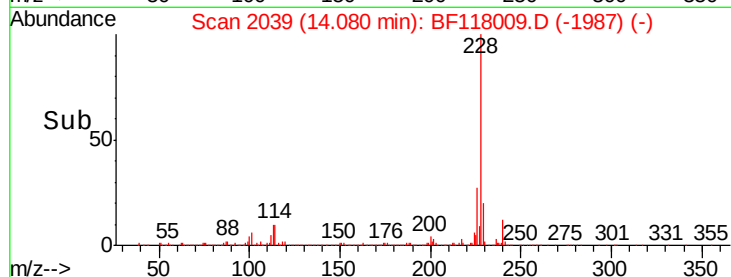
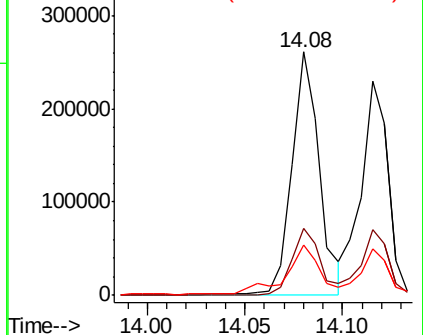
229 20.7 15.9 23.9



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: 17.249 ng

RT: 14.12 min Scan# 2045

Delta R.T. -0.00 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

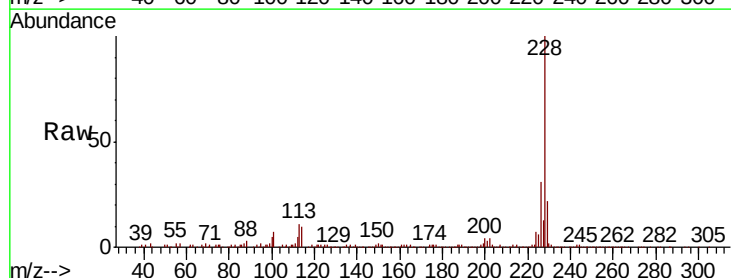
Tgt Ion:228 Resp: 219278

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.4

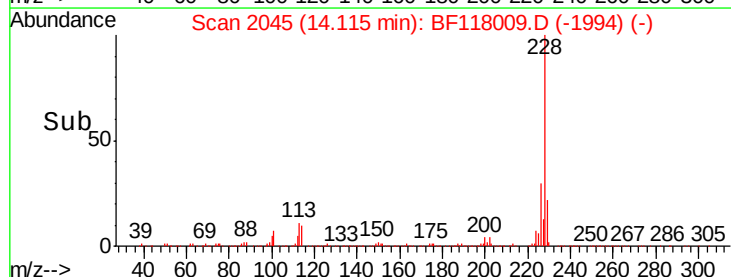
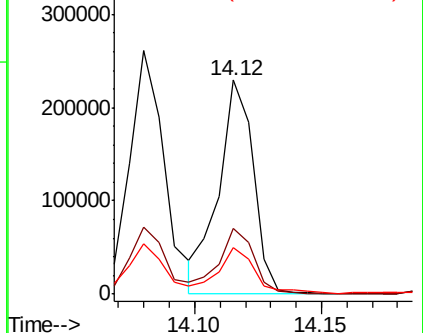
229 22.0 16.6 25.0

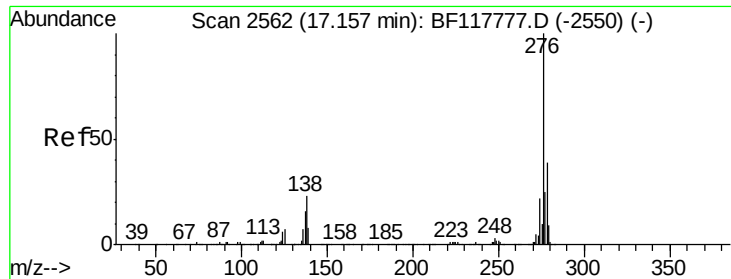


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

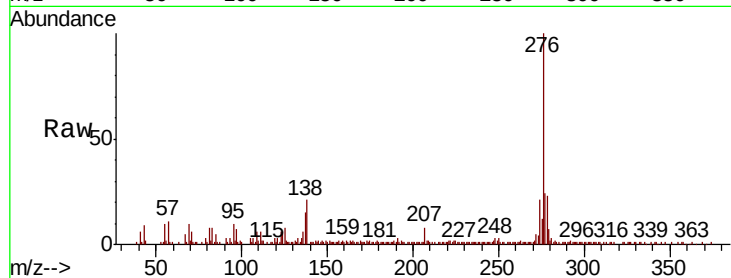




#86
Indeno(1,2,3-cd)pyrene
Concen: 11.157 ng
RT: 17.13 min Scan# 2557
Delta R.T. 0.03 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	19.7	20.9	31.3#
277	24.3	20.3	30.5

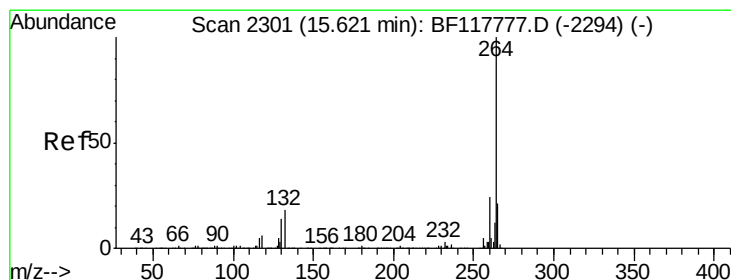
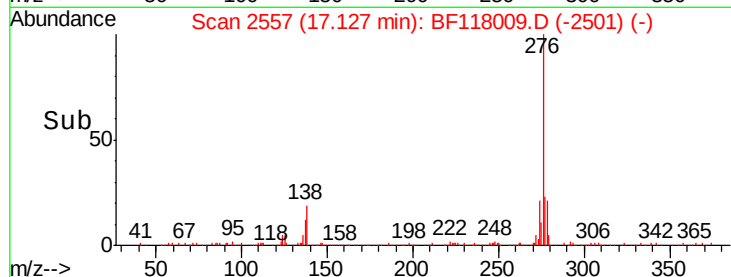
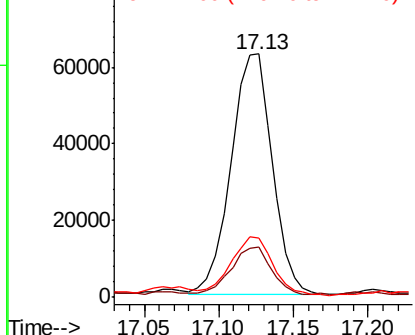


Abundance

Ion 276.00 (275.70 to 276.70): E

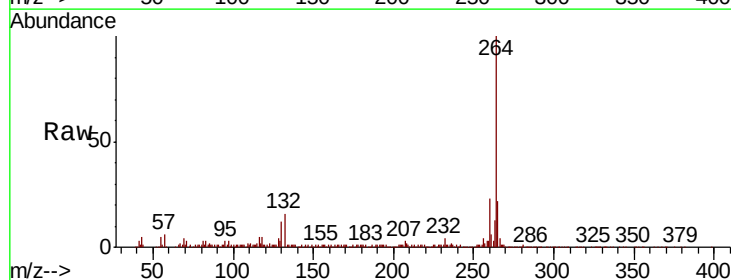
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.60 min Scan# 2297
Delta R.T. 0.02 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.2	19.4	29.0
265	22.0	17.1	25.7

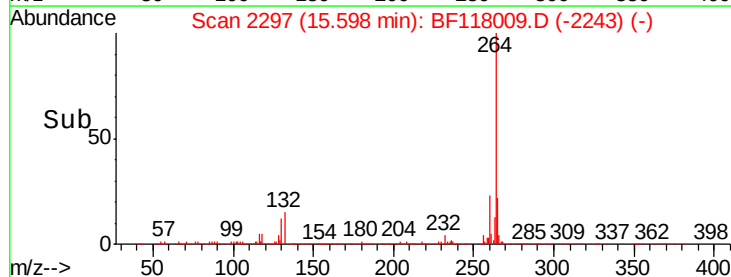
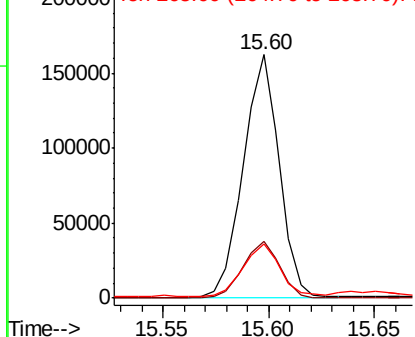


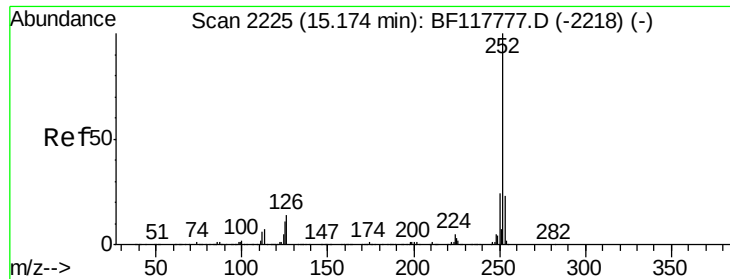
Abundance

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

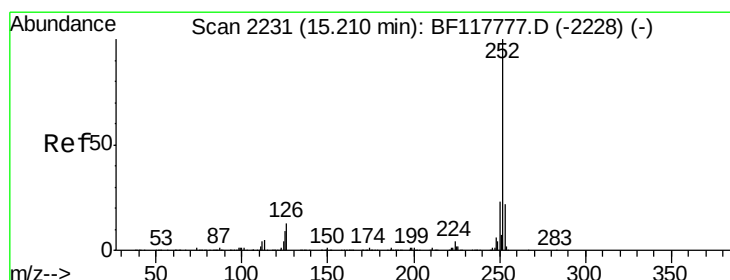
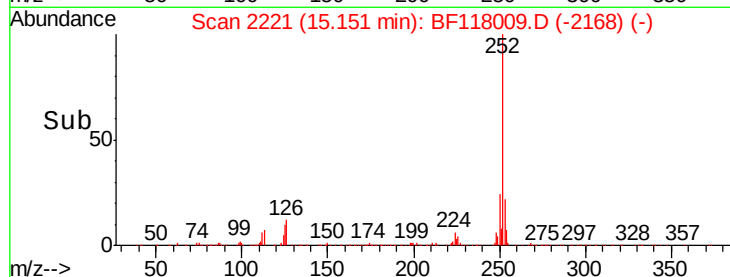
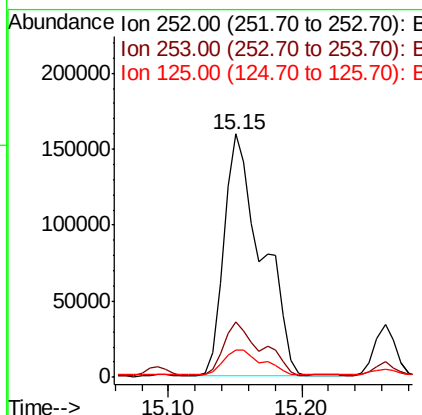
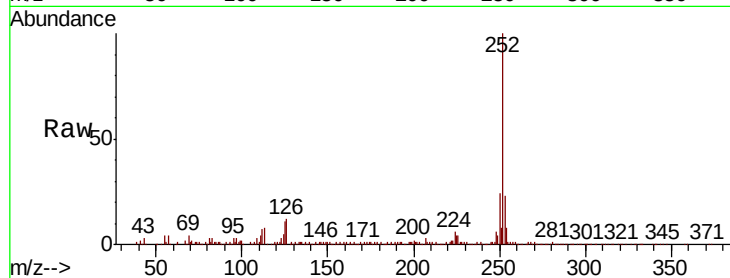




#88
Benzo(b)fluoranthene
Concen: 25.582 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

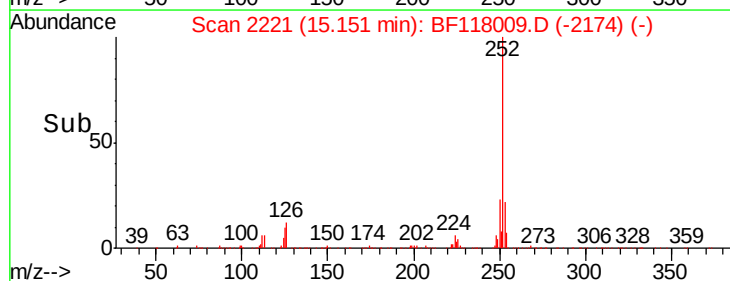
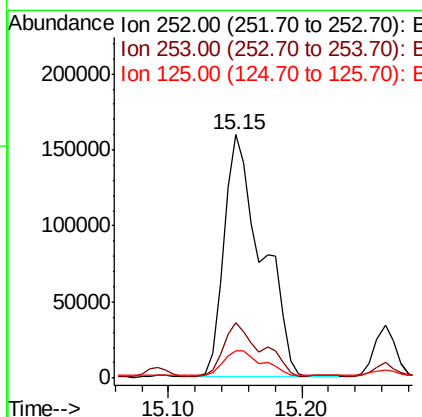
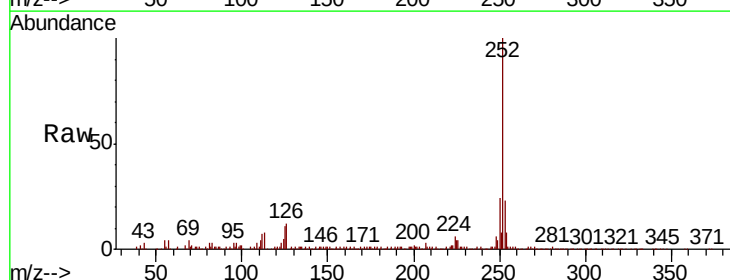
Instrument :
BNA_F
ClientSampleId :

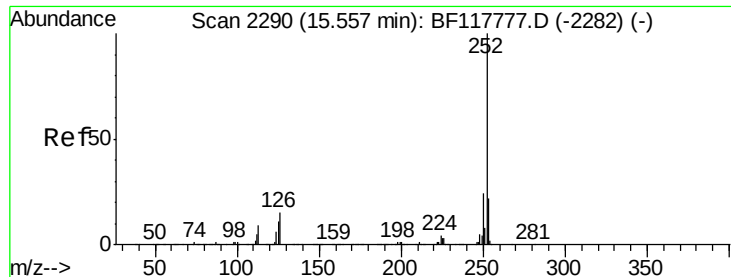
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.3	8.6	13.0



#89
Benzo(k)fluoranthene
Concen: 27.151 ng
RT: 15.15 min Scan# 2221
Delta R.T. -0.02 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.5	26.3
125	11.3	7.9	11.9





#90

Benzo(a)pyrene

Concen: 18.639 ng

RT: 15.53 min Scan# 2286

Delta R.T. 0.01 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

Instrument :

BNA_F

ClientSampleId :

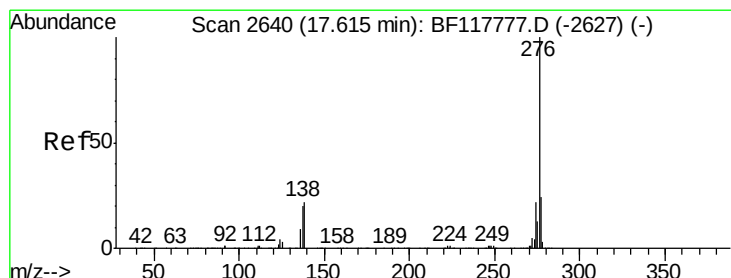
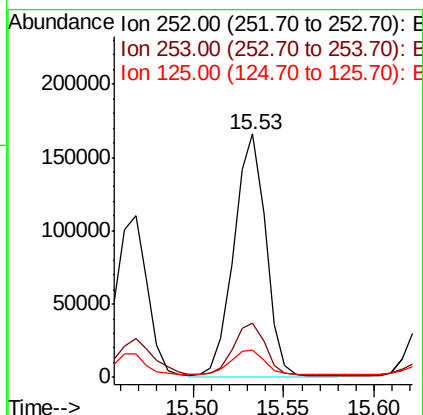
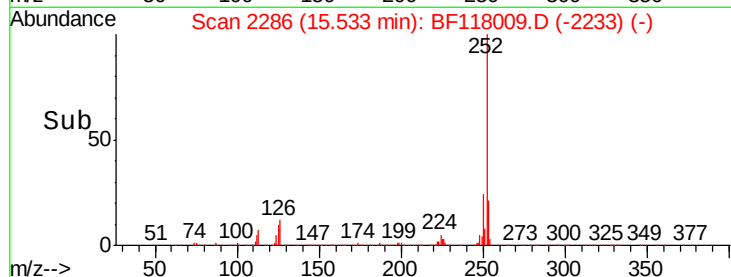
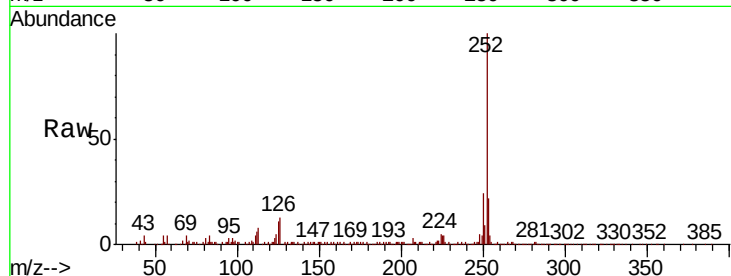
Tot Ion:252 Resp: 202193

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 11.2 9.2 13.8



#92

Benzo(g,h,i)perylene

Concen: 13.410 ng

RT: 17.59 min Scan# 2635

Delta R.T. 0.03 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

Tgt Ion:276 Resp: 124715

Ion Ratio Lower Upper

276 100

277 22.6 18.9 28.3

138 19.8 17.4 26.2

