

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 17:22:14 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

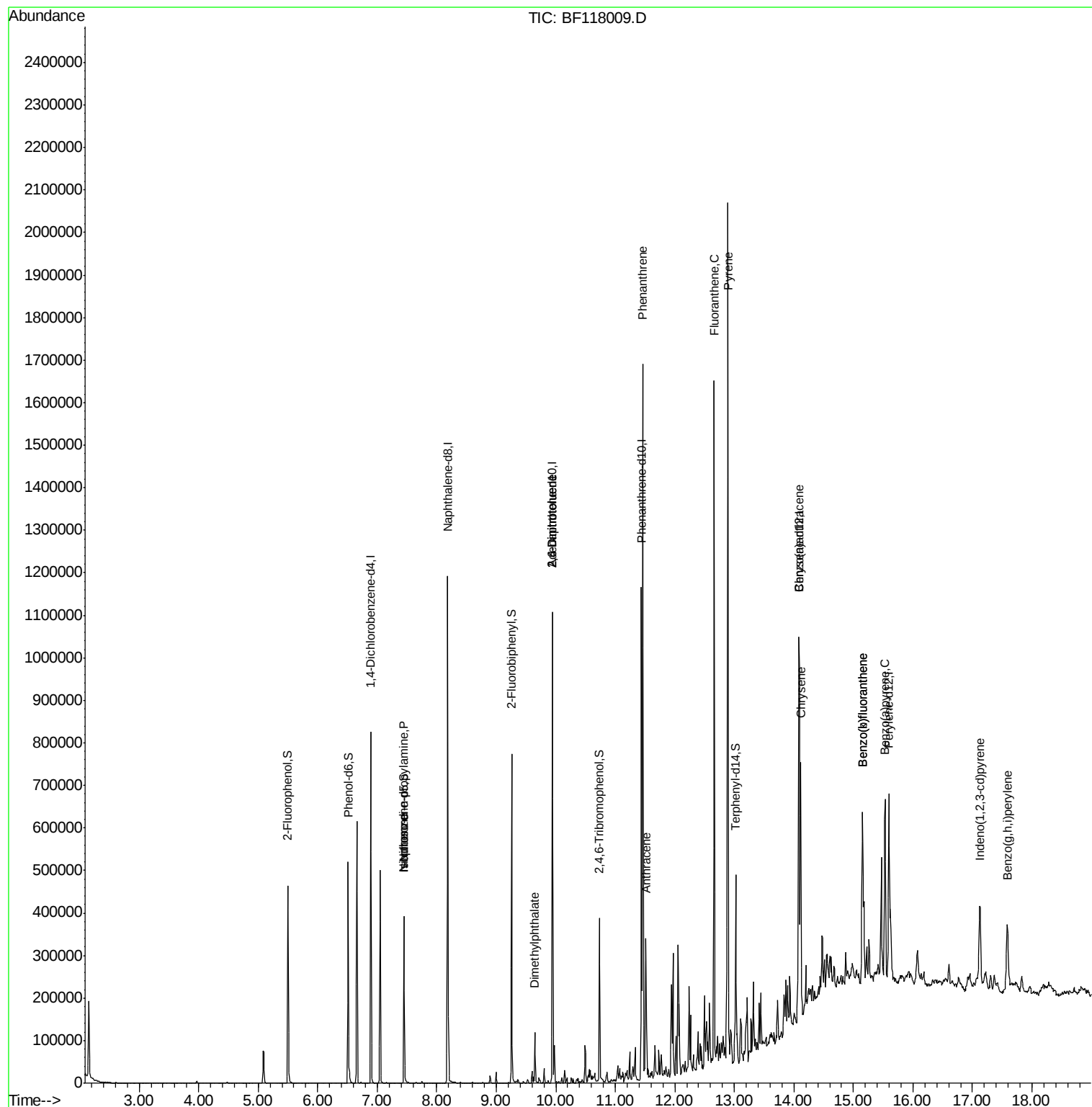
						Qvalue
9) Benzaldehyde	6.52	77	262	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.45	70	15061	3.128 ng	#	75
25) Isophorone	7.45	82	115575	7.233 ng	#	62
50) Dimethylphthalate	9.65	163	44753	2.998 ng		98
51) 2,6-Dinitrotoluene	9.95	165	27941	8.563 ng	#	24
57) 2,4-Dinitrotoluene	9.95	165	27941	6.732 ng	#	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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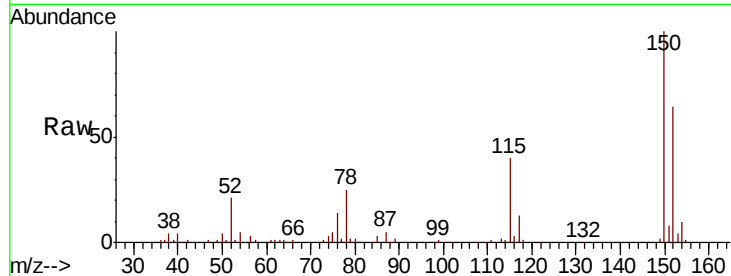


#1

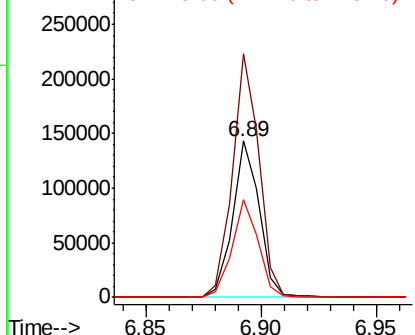
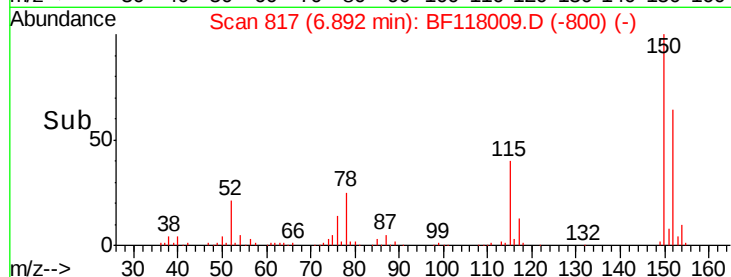
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

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



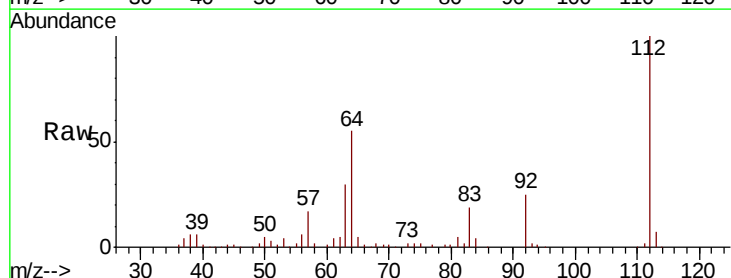
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



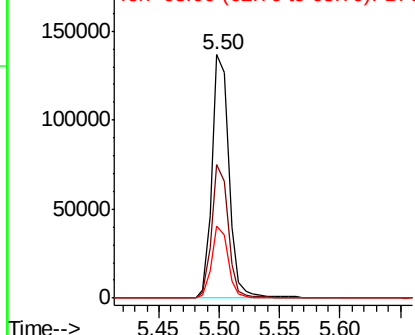
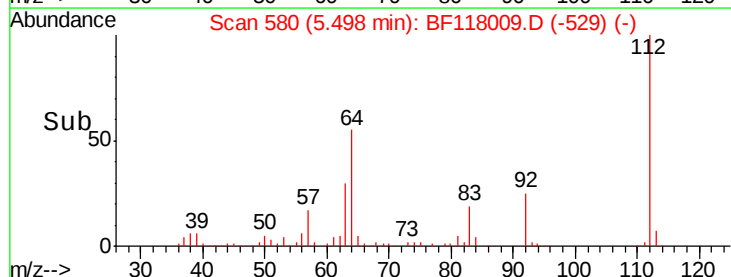
#5

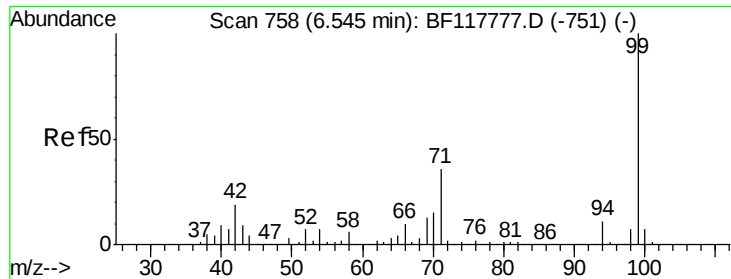
2-Fluorophenol
Concen: 20.616 ng
RT: 5.50 min Scan# 580
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

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

ClientSampleId :

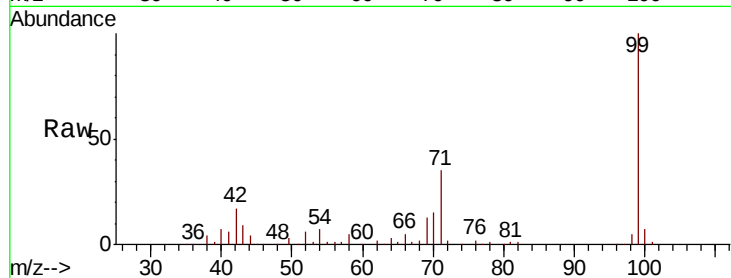
Tot Ion: 99 Resp: 174973

Ion Ratio Lower Upper

99 100

42 17.5 14.9 22.3

71 35.4 28.6 43.0

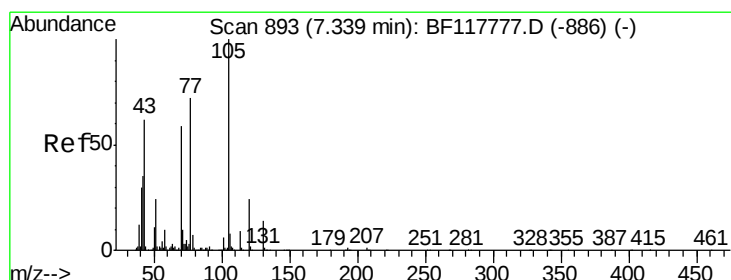
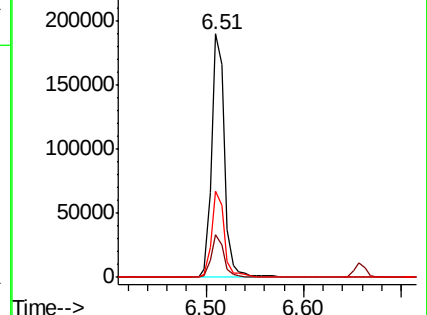
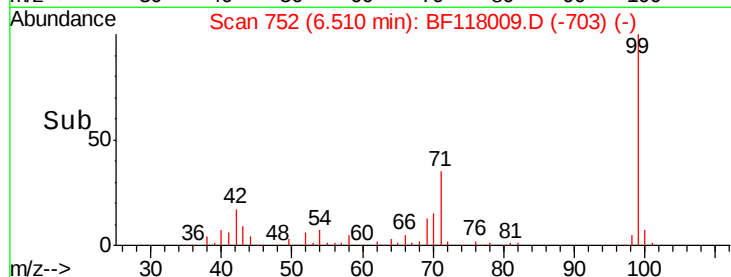


Abundance

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

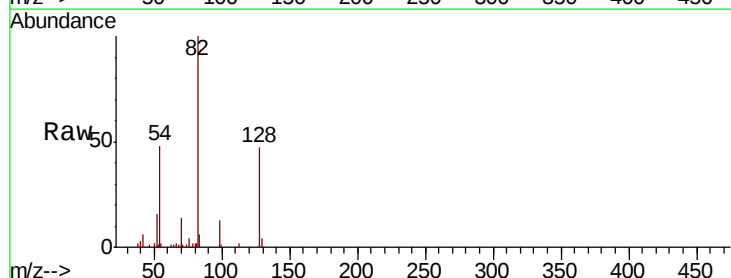
Ion Ratio Lower Upper

70 100

42 45.9 47.4 71.2#

101 0.0 8.4 12.6#

130 2.9 18.8 28.2#



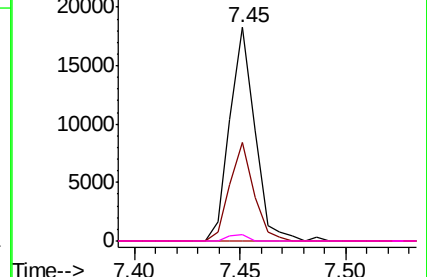
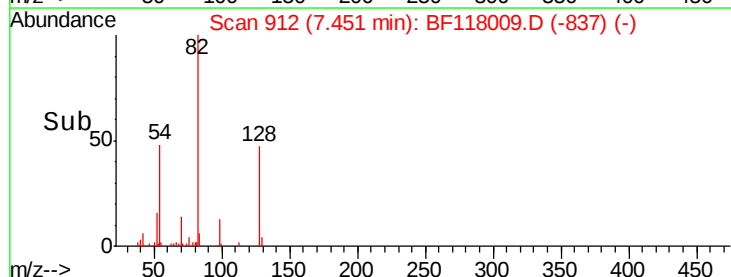
Abundance

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

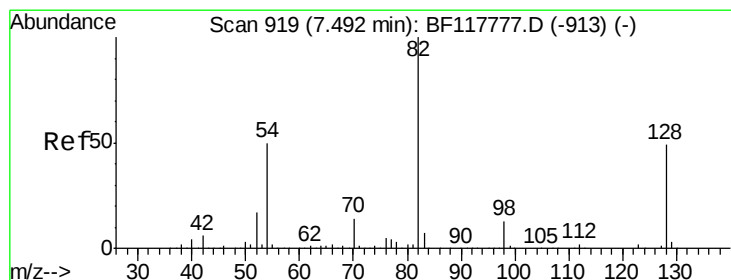
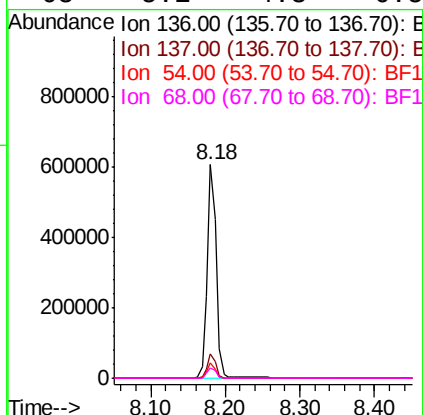
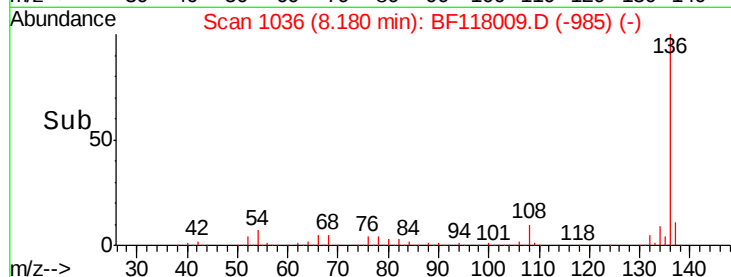
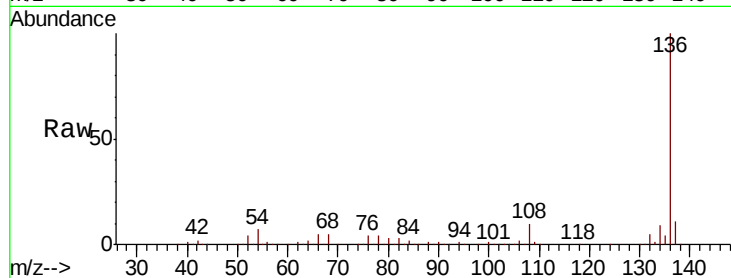




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

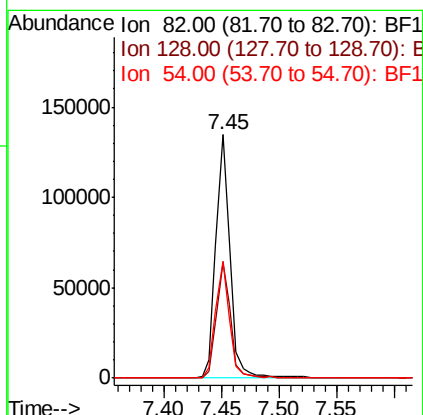
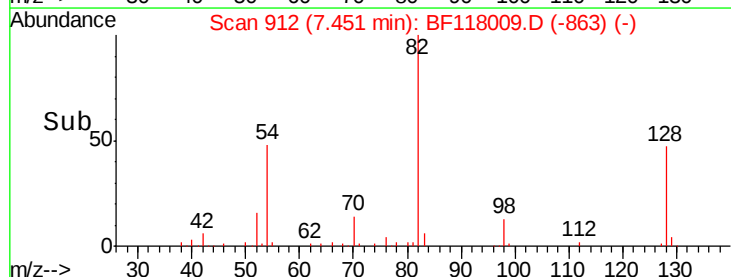
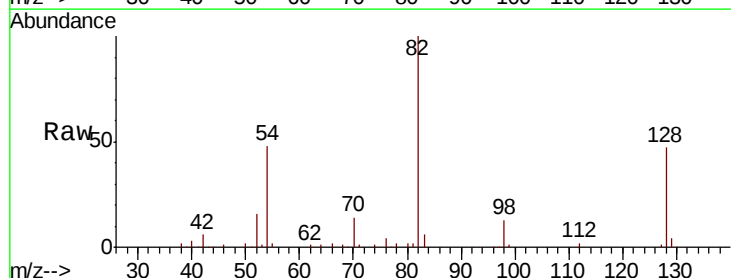
Instrument :
BNA_F
ClientSampleId :

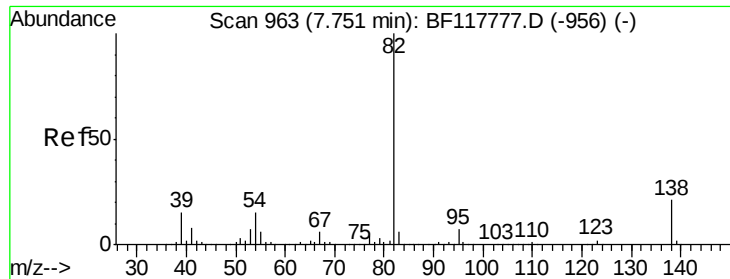
Tot Ion:136	Resp:	518275
Ion Ratio	Lower	Upper
136	100	
137	11.3	9.0 13.4
54	7.0	5.4 8.2
68	5.1	4.3 6.5



#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





#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 :

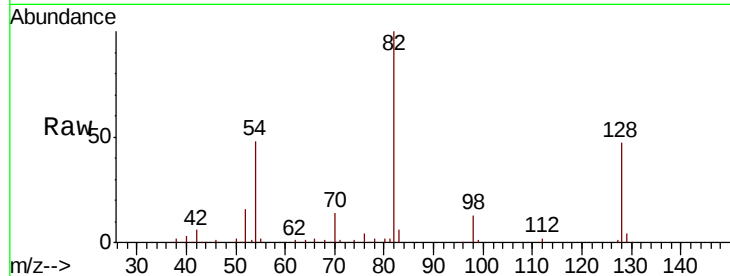
Tot Ion: 82 Resp: 115575

Ion Ratio Lower Upper

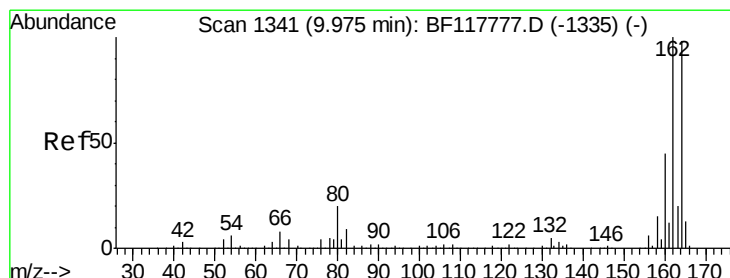
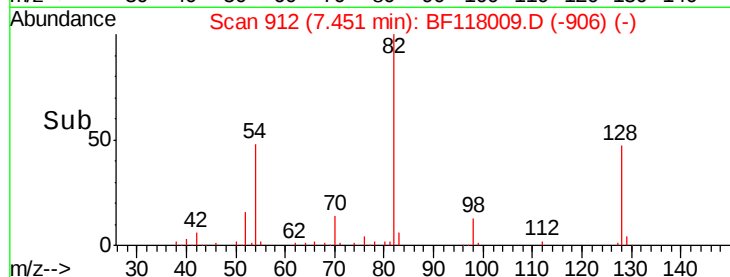
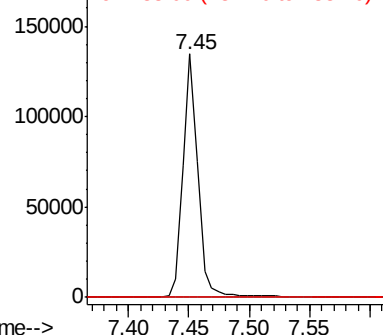
82 100

95 0.0 5.8 8.8#

138 0.0 16.5 24.7#



Abundance Ion 82.00 (81.70 to 82.70): 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: 9.95 min Scan# 1336

Delta R.T. -0.00 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

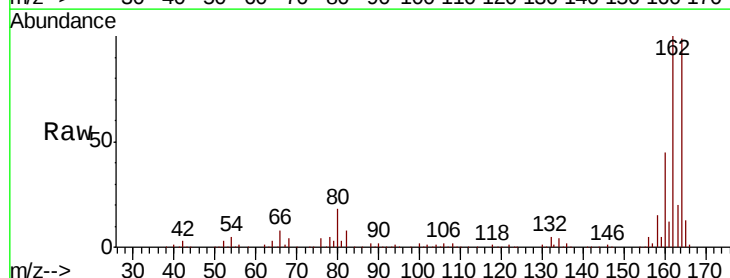
Tgt Ion: 164 Resp: 212907

Ion Ratio Lower Upper

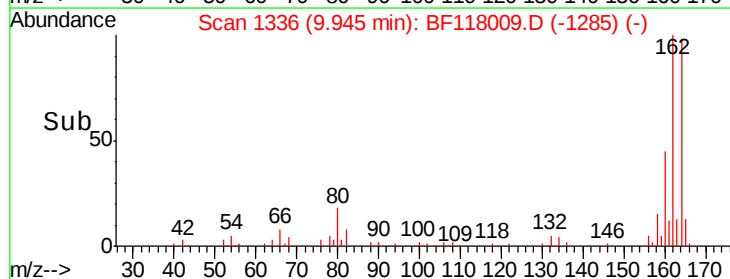
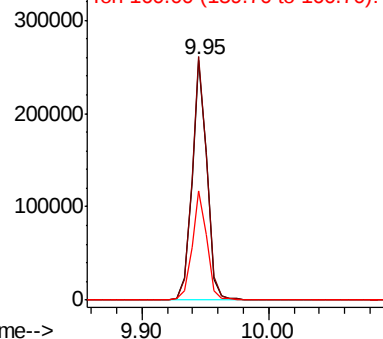
164 100

162 101.4 81.3 121.9

160 45.2 36.6 55.0



Abundance Ion 164.00 (163.70 to 164.70): 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: 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 :

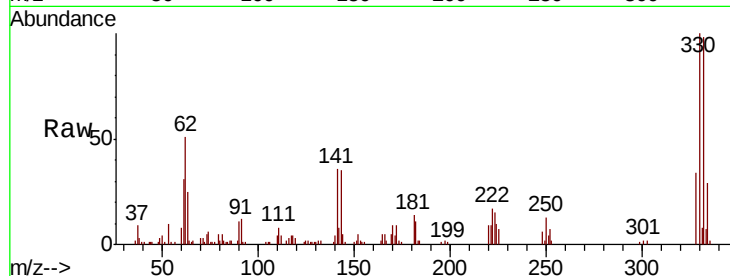
Tot Ion:330 Resp: 43993

Ion Ratio Lower Upper

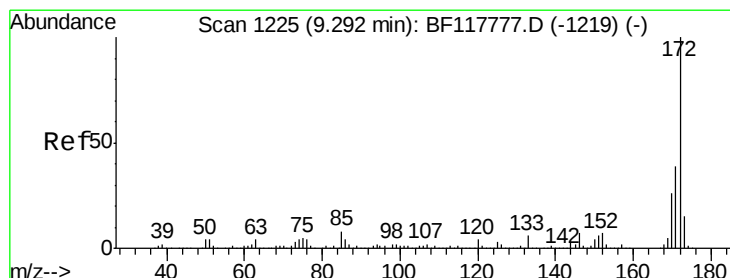
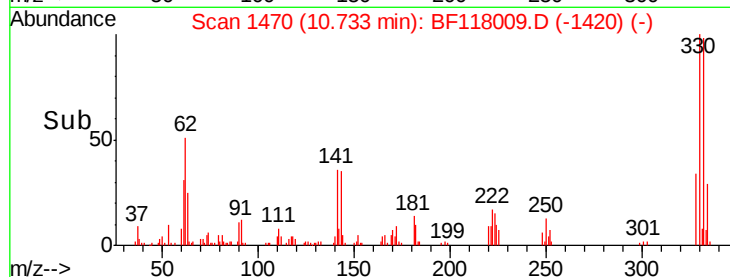
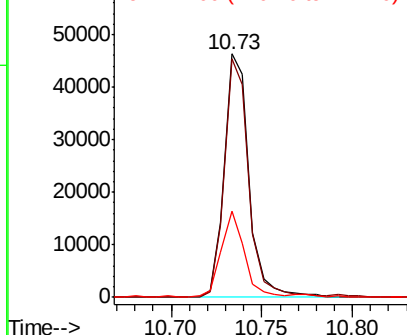
330 100

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

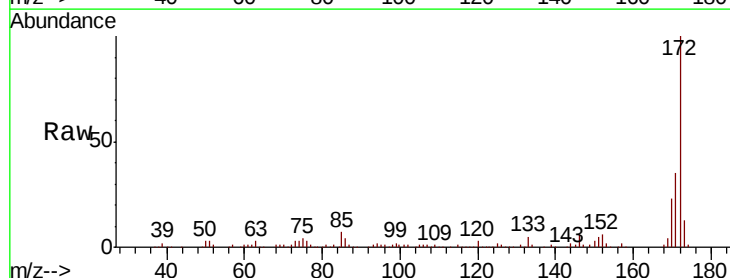
Tgt Ion:172 Resp: 224499

Ion Ratio Lower Upper

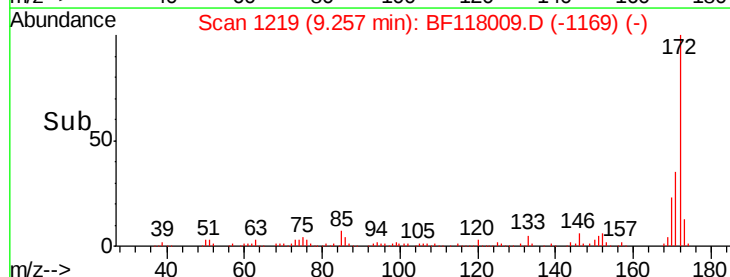
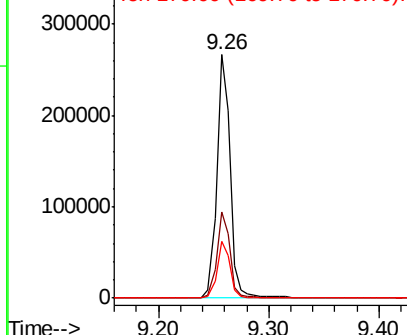
172 100

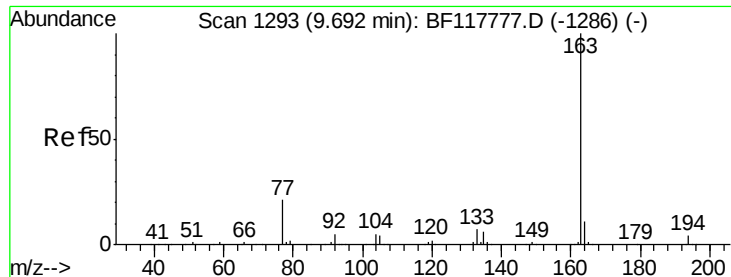
171 35.3 30.9 46.3

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 :

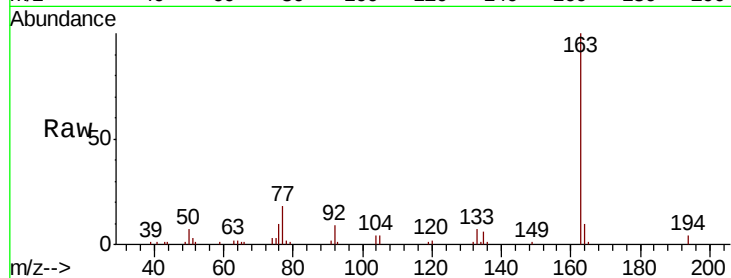
Tot Ion:163 Resp: 44753

Ion Ratio Lower Upper

163 100

194 3.9 3.3 4.9

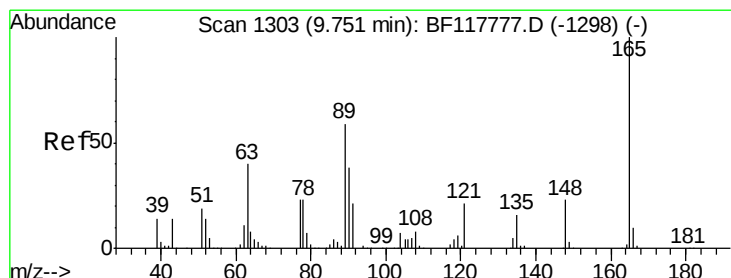
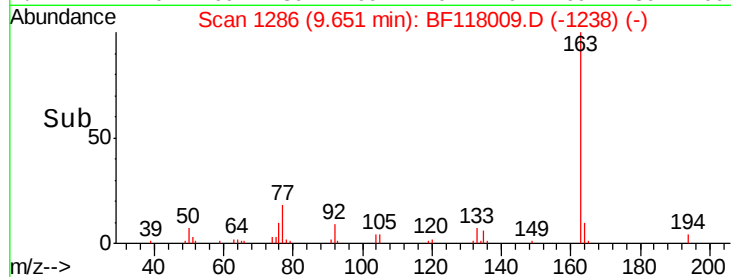
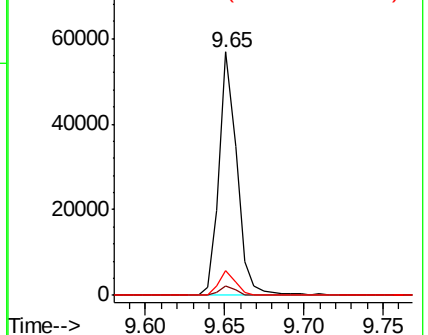
164 10.0 8.7 13.1



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

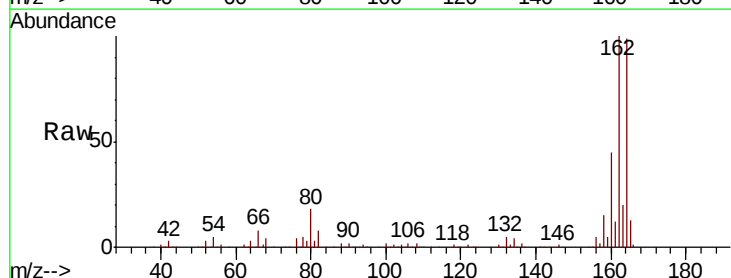
Tgt Ion:165 Resp: 27941

Ion Ratio Lower Upper

165 100

63 1.3 46.0 69.0#

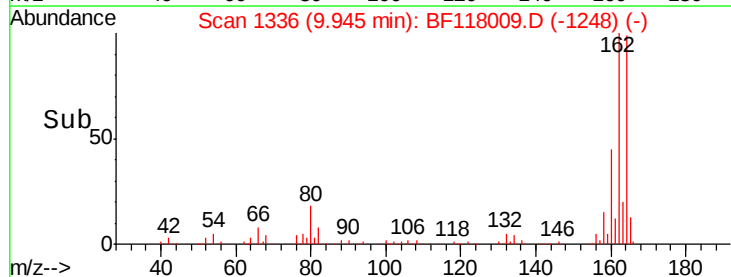
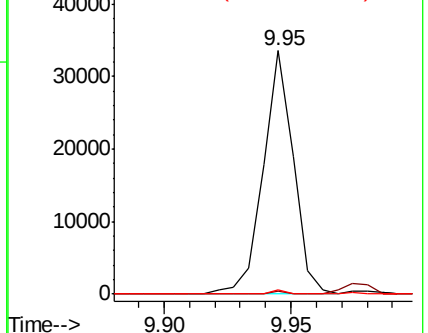
89 1.7 47.7 71.5#

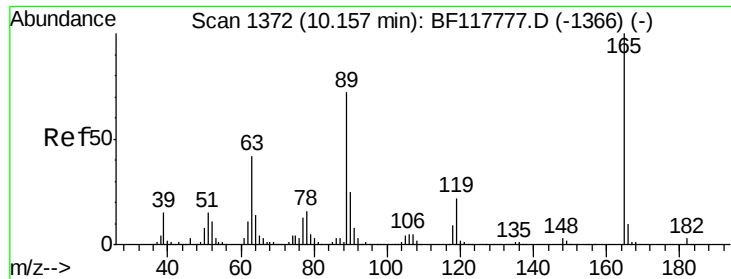


Abundance Ion 165.00 (164.70 to 165.70): E

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:165 Resp: 27941

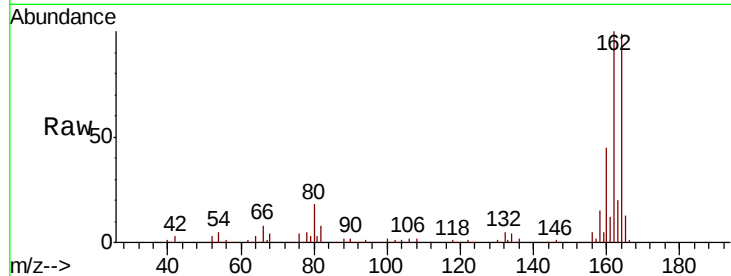
Ion Ratio Lower Upper

165 100

63 1.3 33.7 50.5#

89 1.7 57.3 85.9#

182 0.0 2.3 3.5#

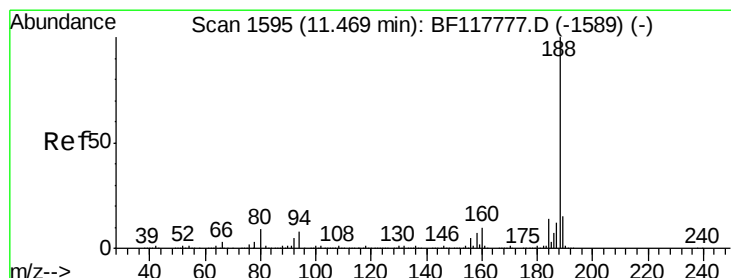
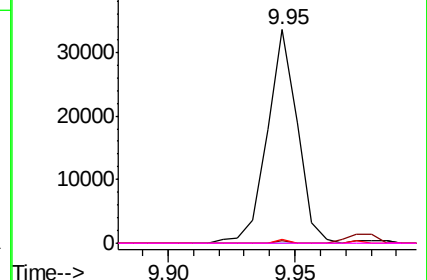
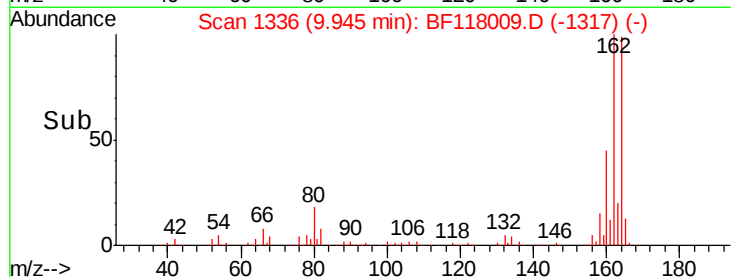


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.44 min Scan# 1590

Delta R.T. 0.01 min

Lab File: BF118009.D

Acq: 26 Nov 2019 16:10

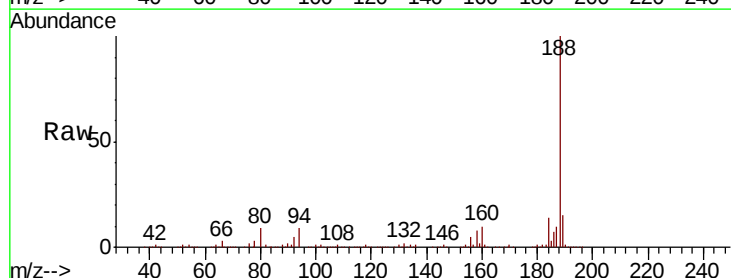
Tgt Ion:188 Resp: 406711

Ion Ratio Lower Upper

188 100

94 8.7 6.6 10.0

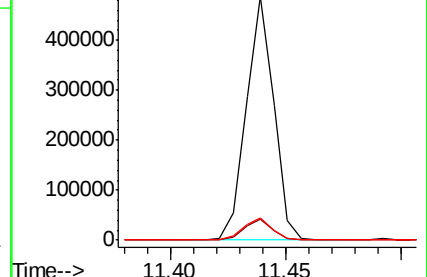
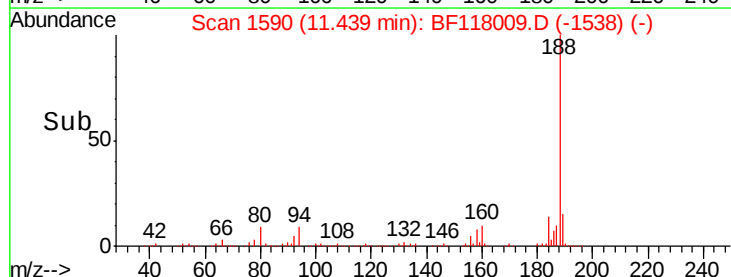
80 9.2 7.2 10.8

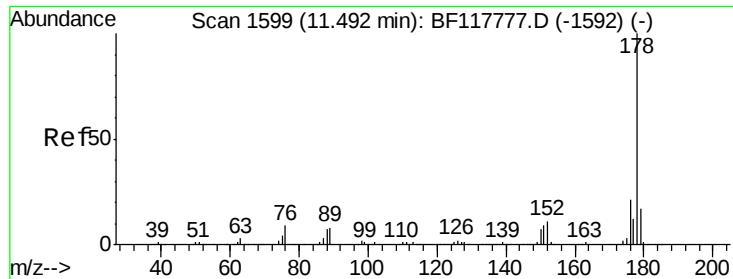


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

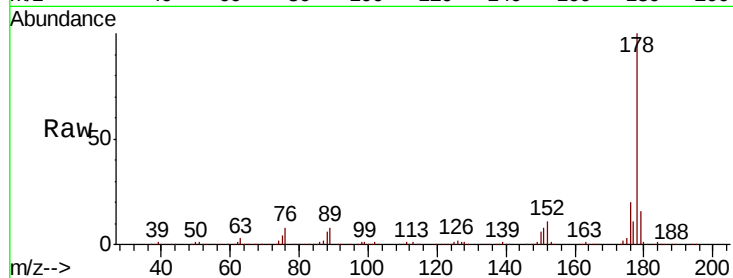




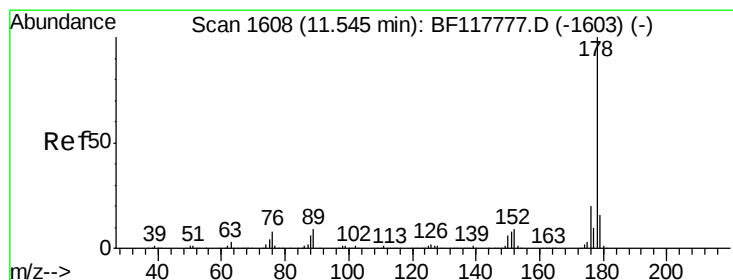
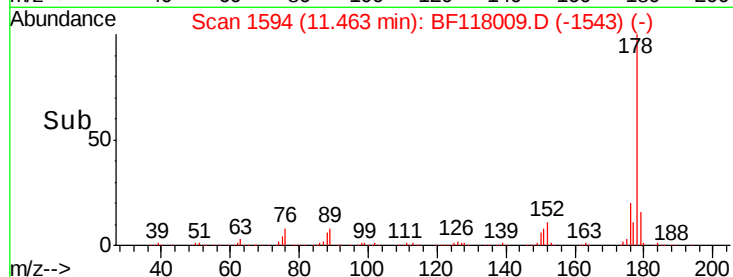
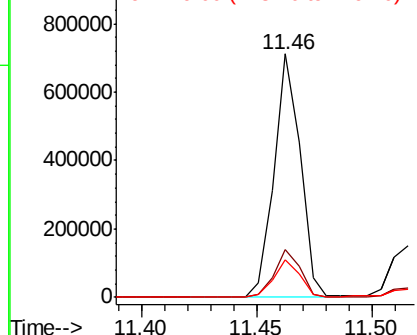
#71
Phenanthrene
Concen: 27.505 ng
RT: 11.46 min Scan# 1594
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Instrument :
BNA_F
ClientSampleId :

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

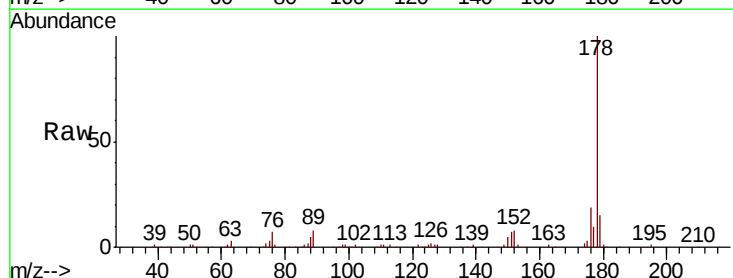


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

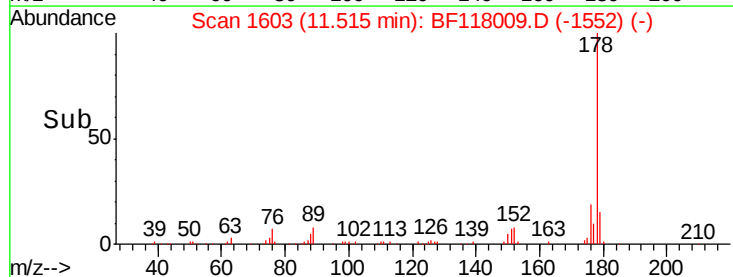
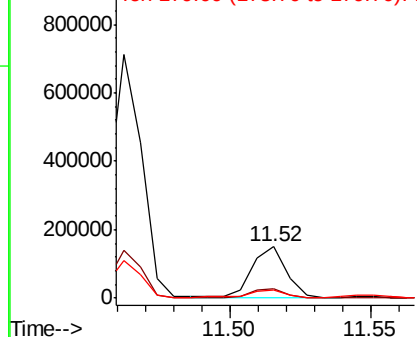


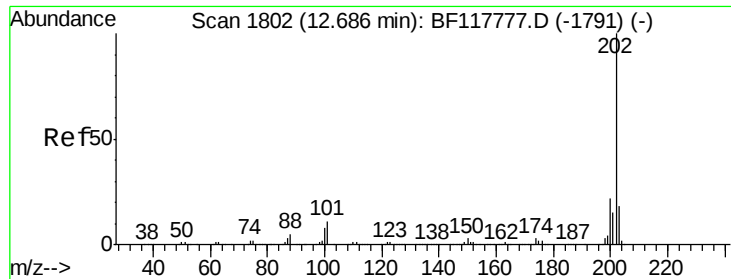
#72
Anthracene
Concen: 6.169 ng
RT: 11.52 min Scan# 1603
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

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

ClientSampled :

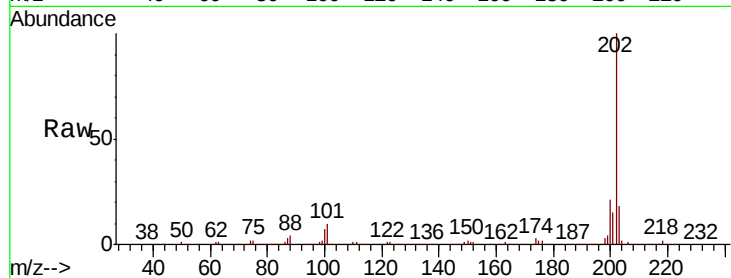
Tot Ion:202 Resp: 617580

Ion Ratio Lower Upper

202 100

101 9.5 0.0 31.1

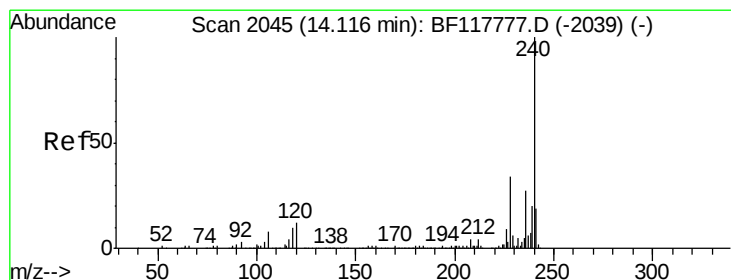
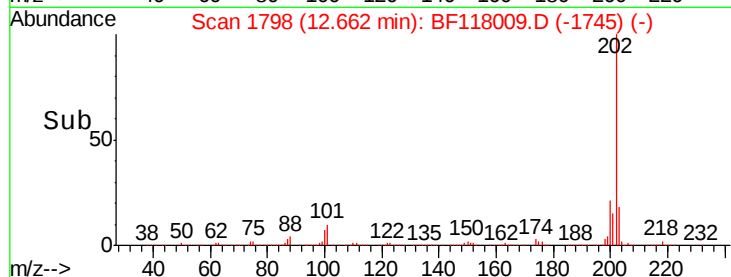
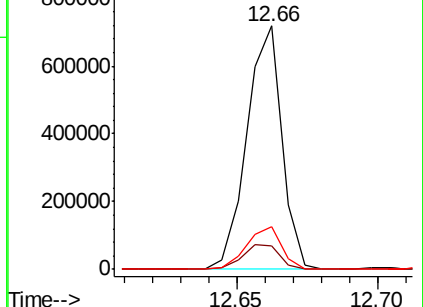
203 17.7 0.0 38.2



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

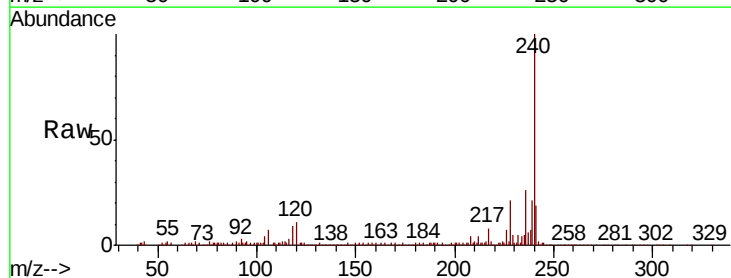
Tgt Ion:240 Resp: 198535

Ion Ratio Lower Upper

240 100

120 10.6 9.5 14.3

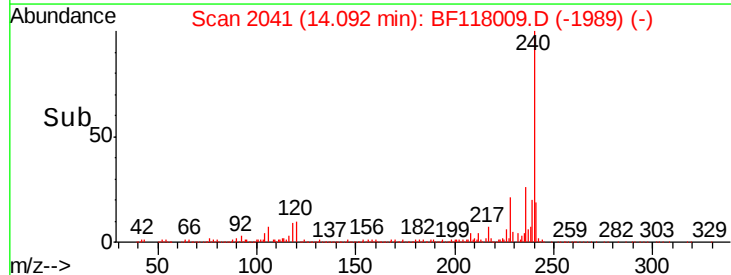
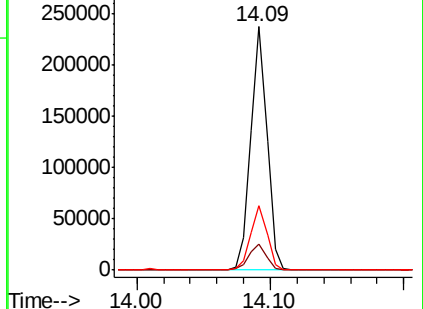
236 26.4 21.3 31.9

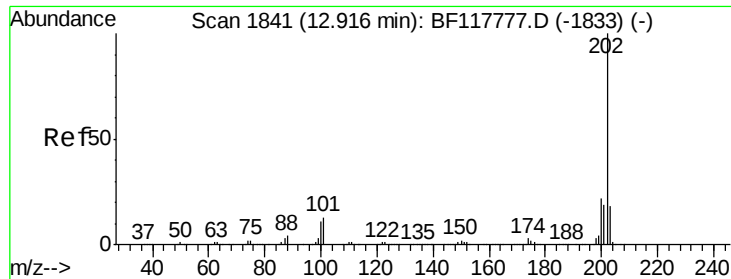


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

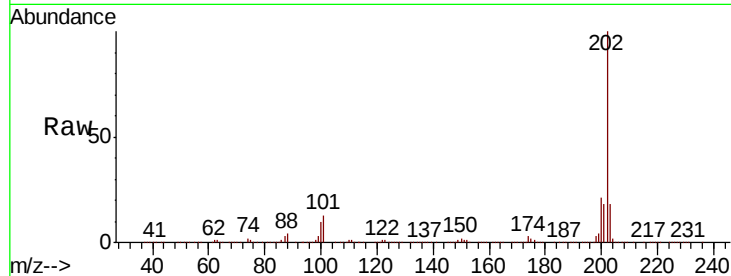




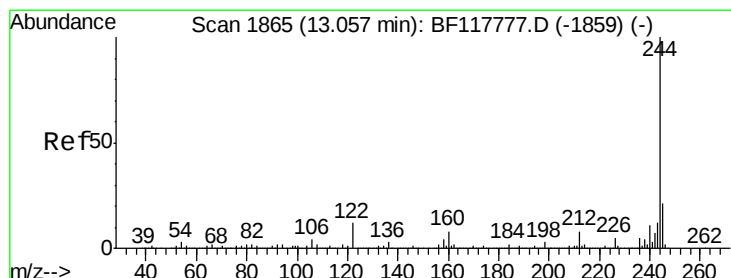
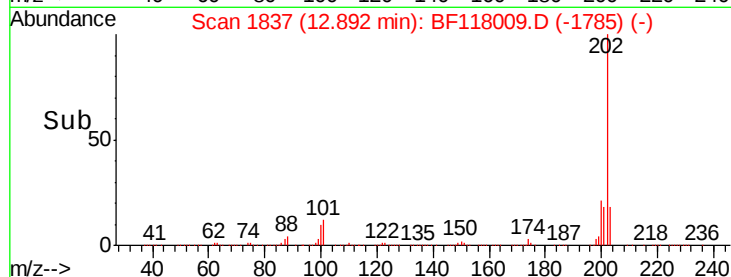
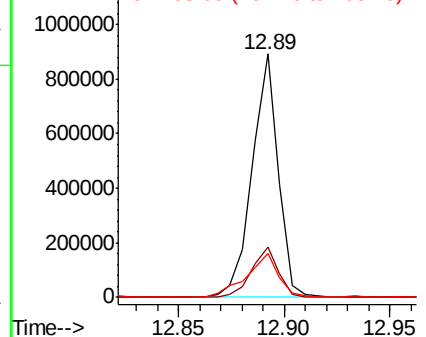
#78
Pvrene
Concen: 47.658 ng
RT: 12.89 min Scan# 1837
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

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

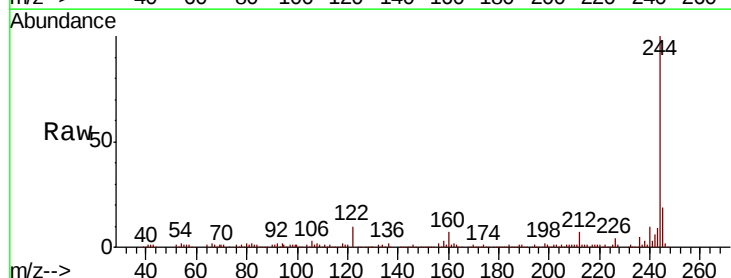


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

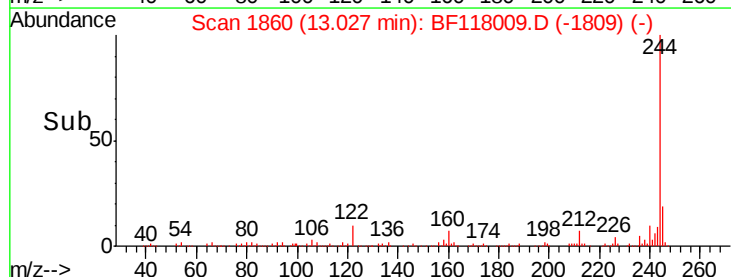
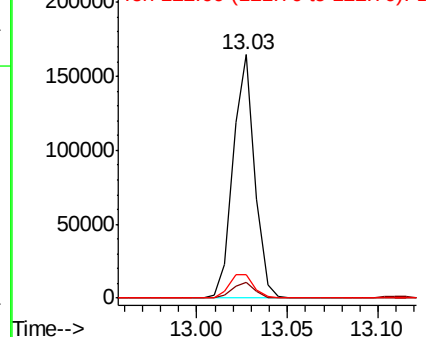


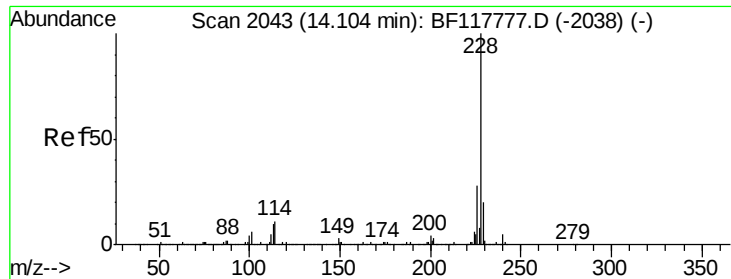
#79
Terphenyl-d14
Concen: 12.548 ng
RT: 13.03 min Scan# 1860
Delta R.T. -0.00 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

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



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

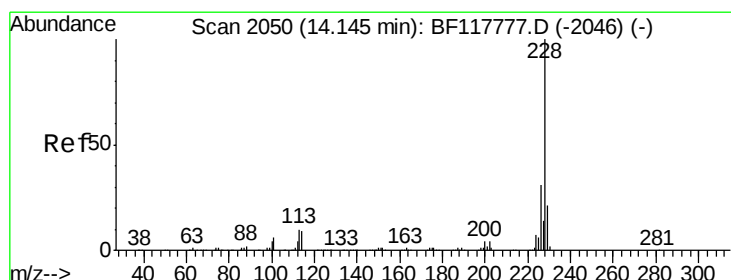
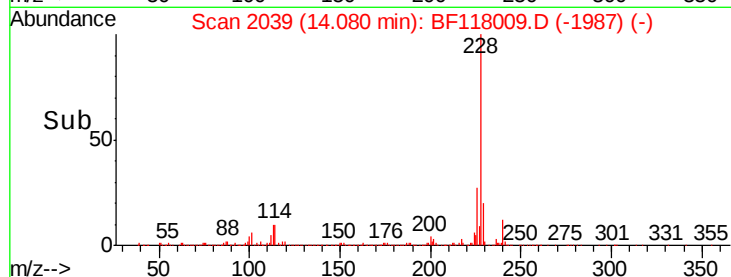
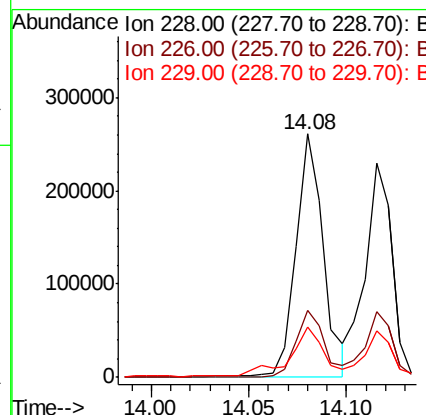
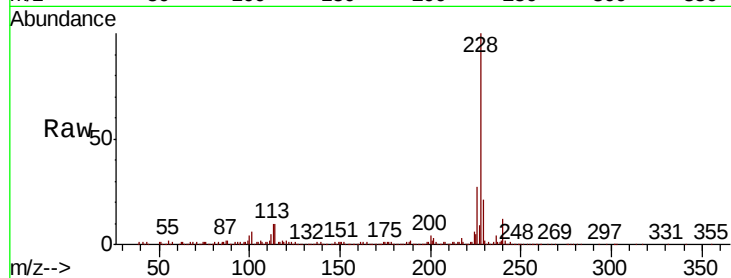




#81
Benzo(a)anthracene
Concen: 19.274 ng
RT: 14.08 min Scan# 2039
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

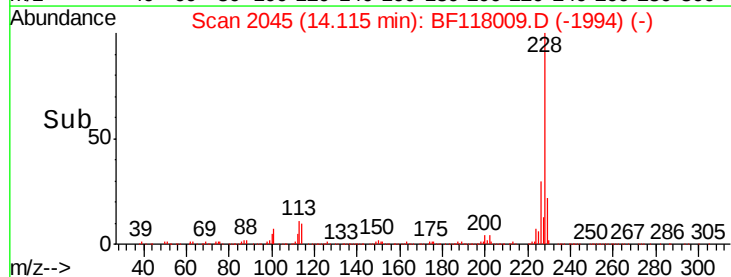
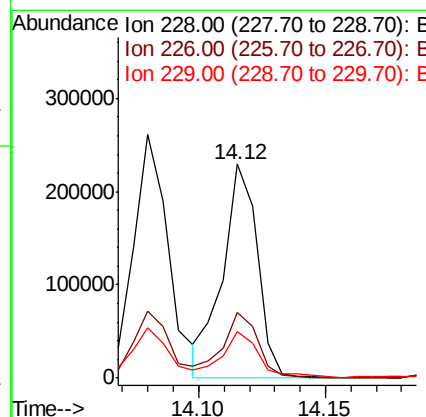
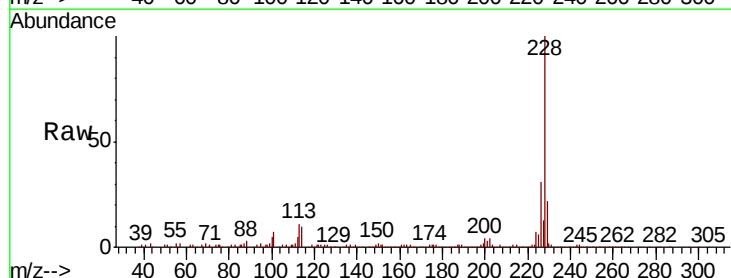
Instrument :
BNA_F
ClientSampleId :

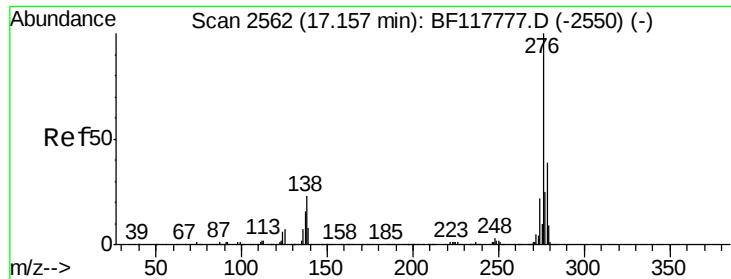
Tot Ion:228 Resp: 252860
Ion Ratio Lower Upper
228 100
226 27.4 22.2 33.2
229 20.7 15.9 23.9



#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

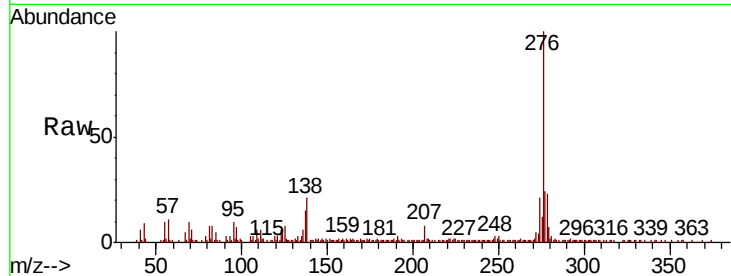




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 11.157 ng
 RT: 17.13 min Scan# 2557
 Delta R.T. 0.03 min
 Lab File: BF118009.D
 Acq: 26 Nov 2019 16:10

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

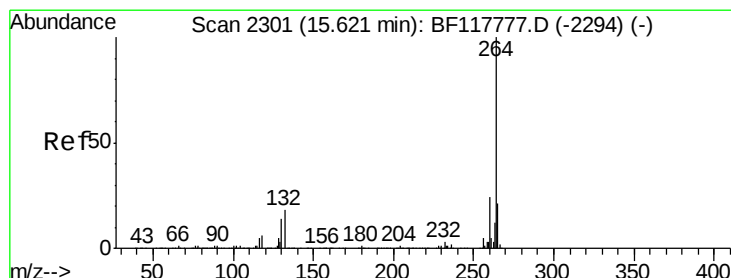
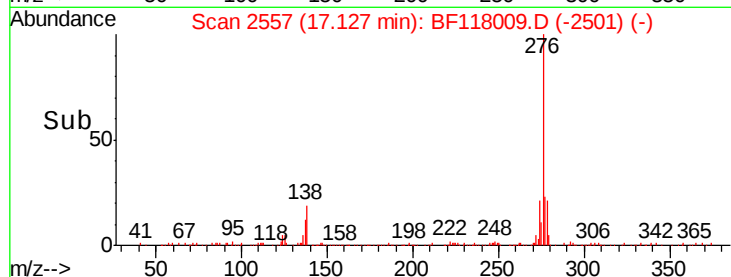
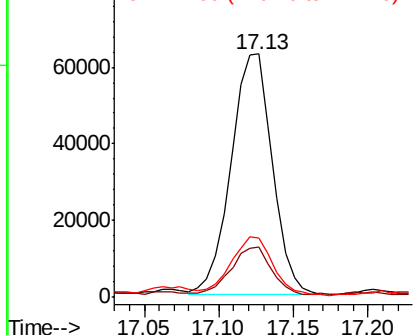


Abundance

Ion 276.00 (275.70 to 276.70): E

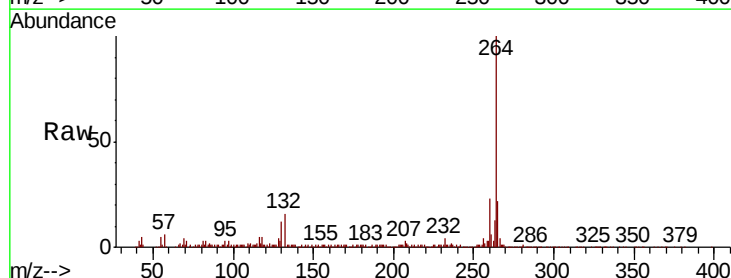
Ion 138.00 (137.70 to 138.70): E

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

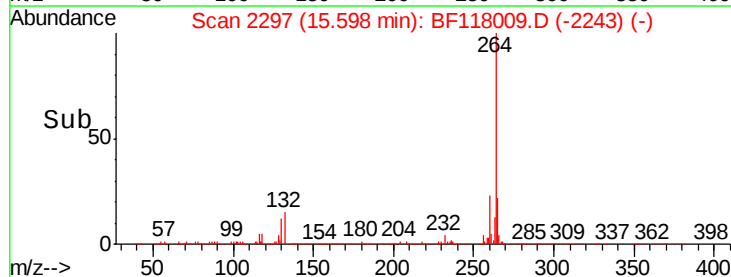
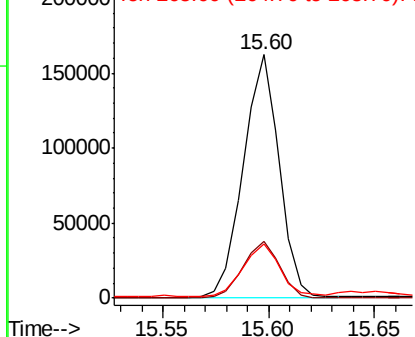


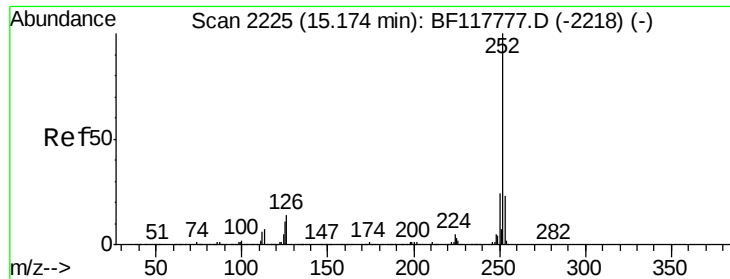
Abundance

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

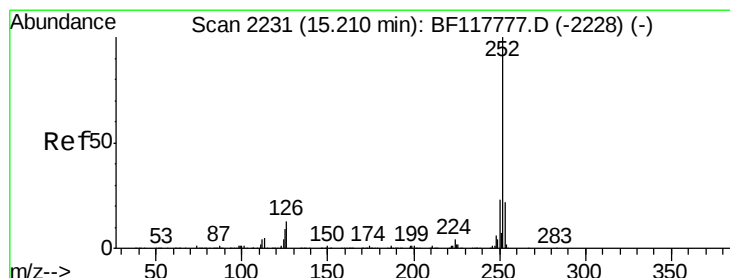
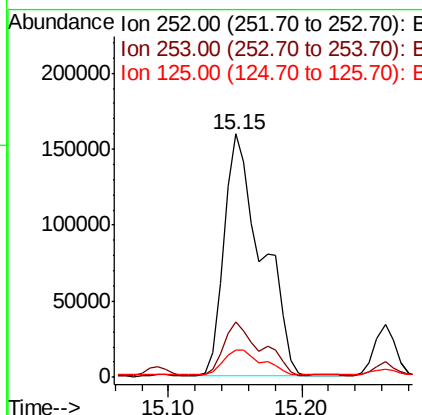
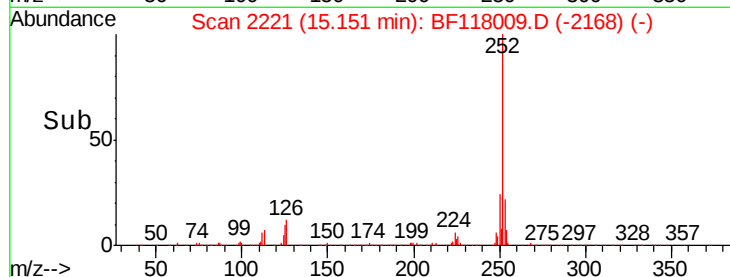
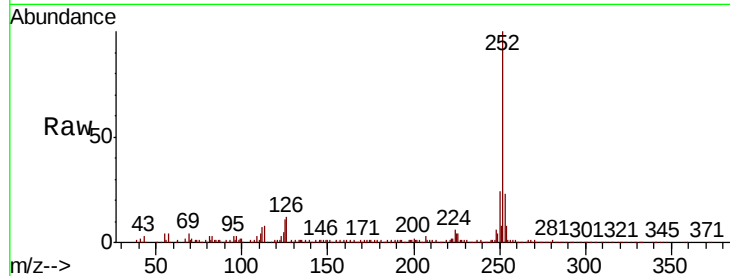




#88
Benzo(b)fluoranthene
Concen: 25.582 ng
RT: 15.15 min Scan# 2221
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

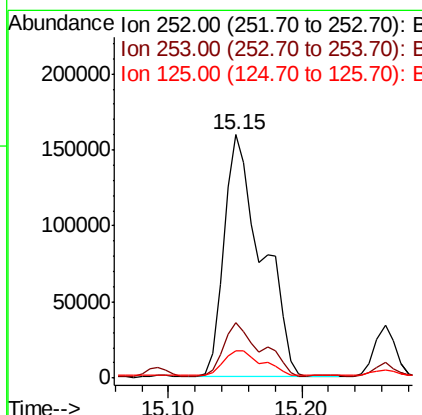
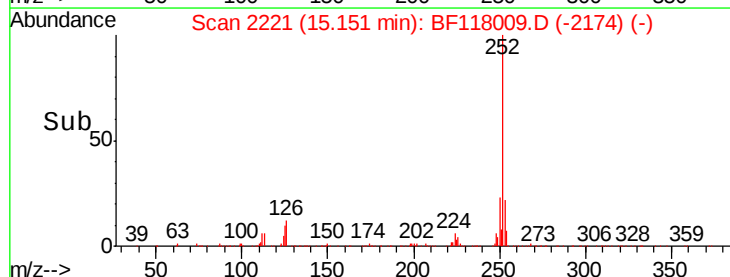
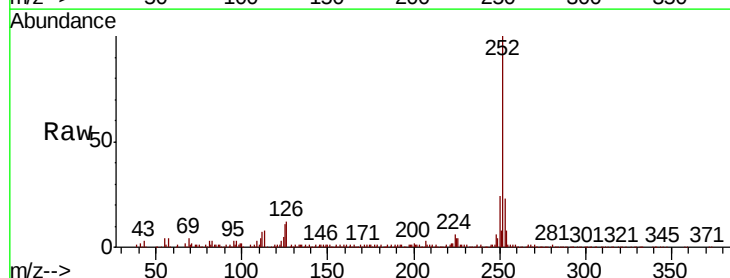
Instrument :
BNA_F
ClientSampleId :

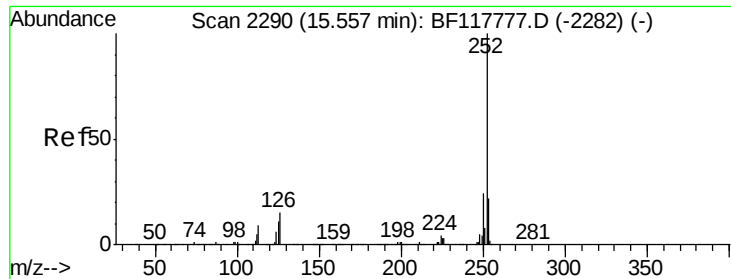
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.0	27.0
125	11.3	8.6	13.0



#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

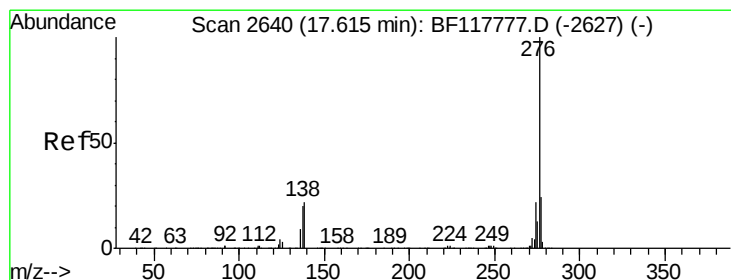
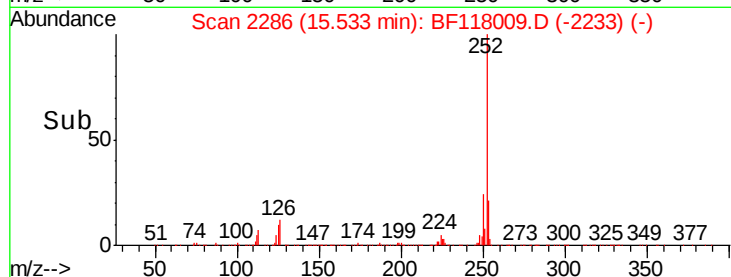
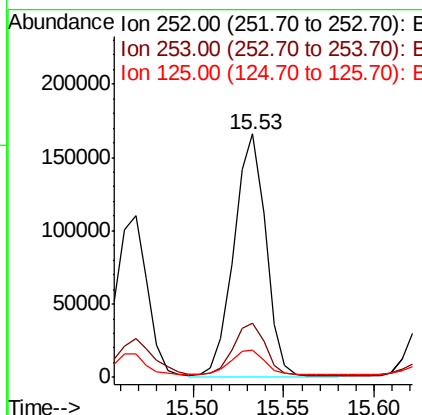
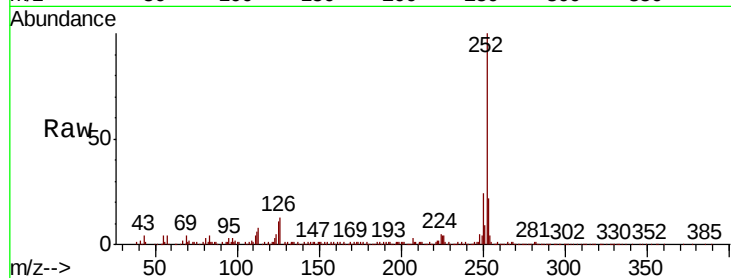




#90
Benzo(a)pyrene
Concen: 18.639 ng
RT: 15.53 min Scan# 2286
Delta R.T. 0.01 min
Lab File: BF118009.D
Acq: 26 Nov 2019 16:10

Instrument :
BNA_F
ClientSampleId :

Tot Ion	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	Ratio	Lower	Upper
276	100		
277	22.6	18.9	28.3
138	19.8	17.4	26.2

