

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF021420\
 Data File : BF118941.D
 Acq On : 14 Feb 2020 19:43
 Operator : CG/JU
 Sample : L1529-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 15 03:38:18 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Feb 14 00:49:42 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.77	152	282034	20.00	ng	-0.04
21) Naphthalene-d8	8.06	136	746461	20.00	ng	-0.05
39) Acenaphthene-d10	9.81	164	385912	20.00	ng	-0.05
64) Phenanthrene-d10	11.29	188	611863	20.00	ng	-0.05
76) Chrysene-d12	13.93	240	438308	20.00	ng	-0.05
87) Perylene-d12	15.36	264	500284	20.00	ng	-0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	1025918	68.86	ng	-0.03
7) Phenol-d6	6.42	99	1753192	94.79	ng	-0.04
23) Nitrobenzene-d5	7.34	82	1139409	90.98	ng	-0.04
42) 2,4,6-Tribromophenol	10.60	330	375241	81.26	ng	-0.05
45) 2-Fluorobiphenyl	9.13	172	1524868	70.64	ng	-0.05
79) Terphenyl-d14	12.87	244	1333210	62.48	ng	-0.05

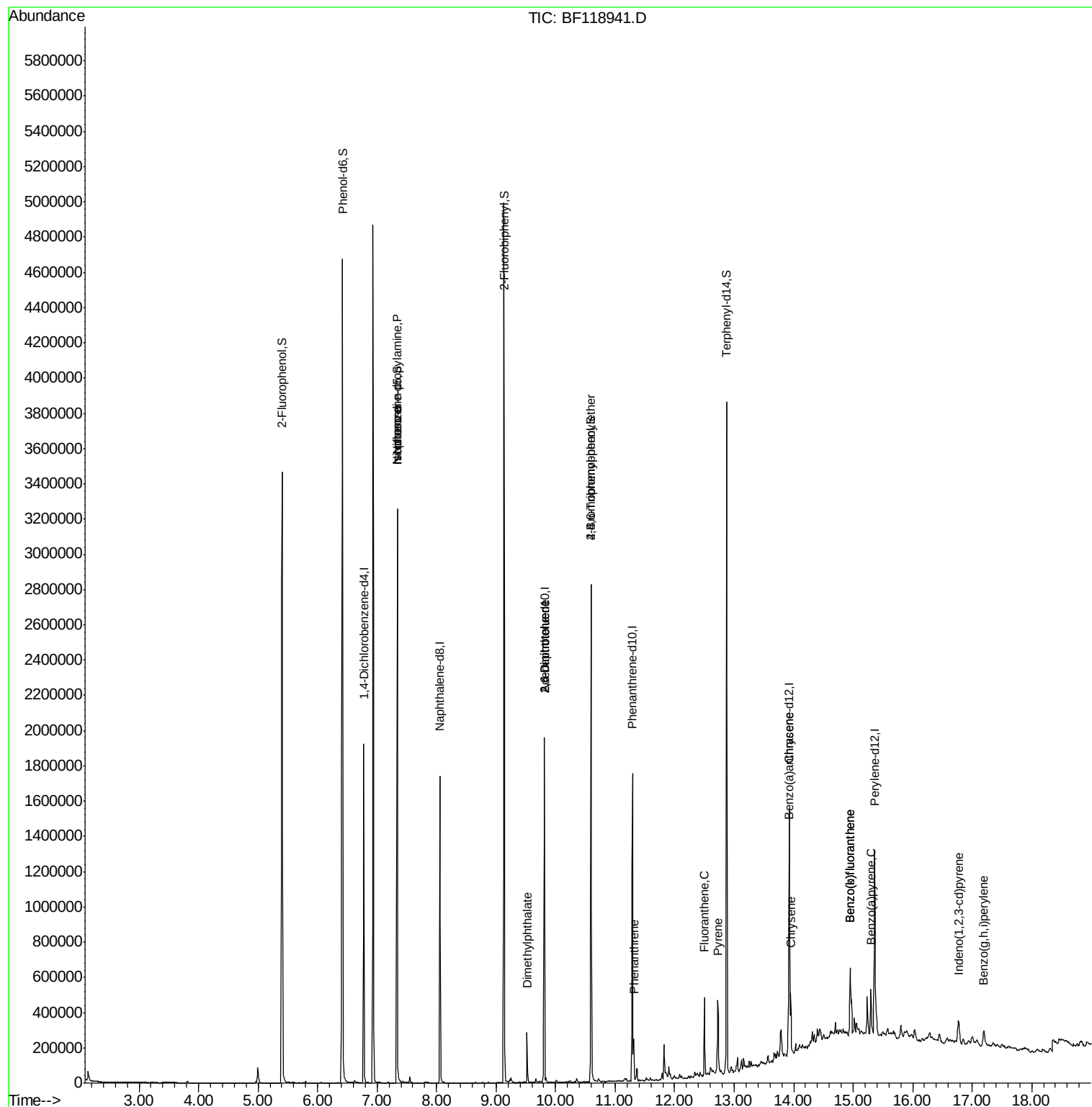
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.34	77	667	Below Cal		# 78
19) n-Nitroso-di-n-propylamine	7.34	70	153598	13.573	ng	# 75
25) Isophorone	7.34	82	1134580	50.409	ng	# 63
50) Dimethylphthalate	9.52	163	114636	4.363	ng	99
51) 2,6-Dinitrotoluene	9.81	165	50158	8.342	ng	# 31
57) 2,4-Dinitrotoluene	9.81	165	50158	6.304	ng	# 34
67) 4-Bromophenyl-phenylether	10.60	248	23711	3.276	ng	# 1
71) Phenanthrene	11.32	178	85167	2.829	ng	97
75) Fluoranthene	12.50	202	190615	5.799	ng	96
78) Pyrene	12.73	202	172302	5.730	ng	97
81) Benzo(a)anthracene	13.92	228	127503	4.889	ng	99
83) Chrysene	13.95	228	131945	5.040	ng	97
86) Indeno(1,2,3-cd)pyrene	16.77	276	88525	3.366	ng	96
88) Benzo(b)fluoranthene	14.95	252	283615	9.136	ng	100
89) Benzo(k)fluoranthene	14.95	252	283615	10.492	ng	99
90) Benzo(a)pyrene	15.30	252	129927	4.890	ng	98
92) Benzo(a,h,i)perylene	17.19	276	78243	3.450	ng	97

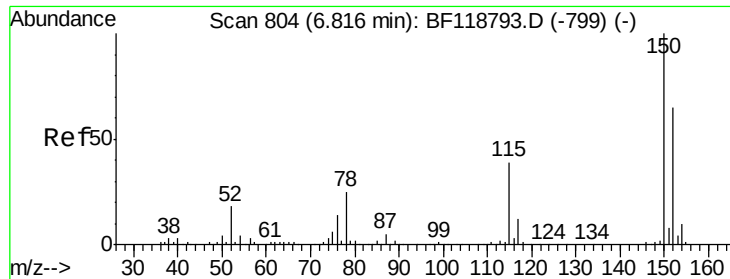
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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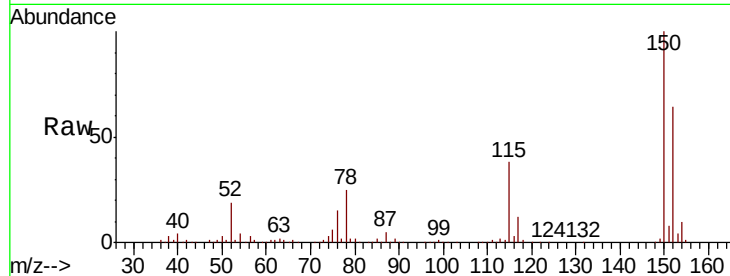


#1

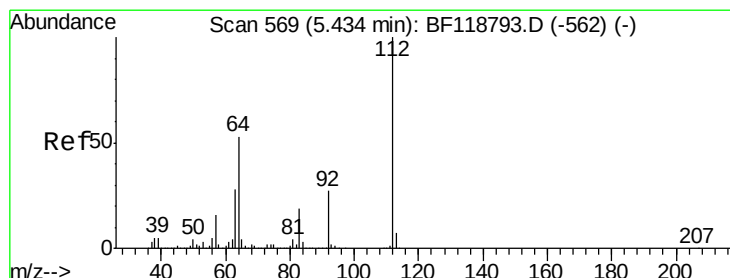
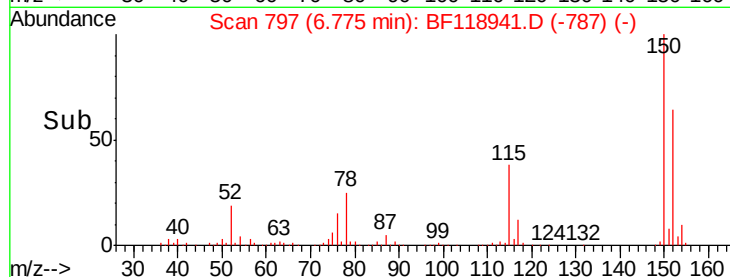
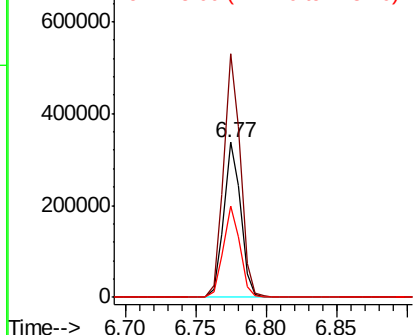
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.77 min Scan# 797
Delta R.T. -0.04 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 282034
Ion Ratio Lower Upper
152 100
150 156.9 123.6 185.4
115 59.2 48.2 72.2



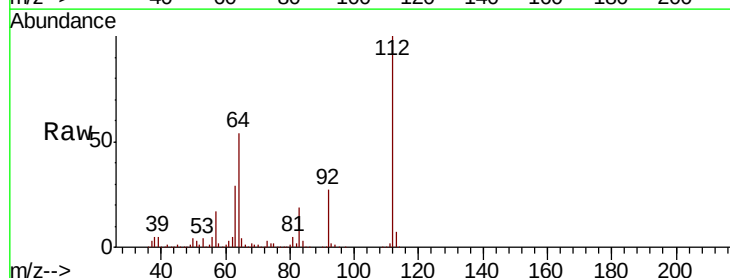
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



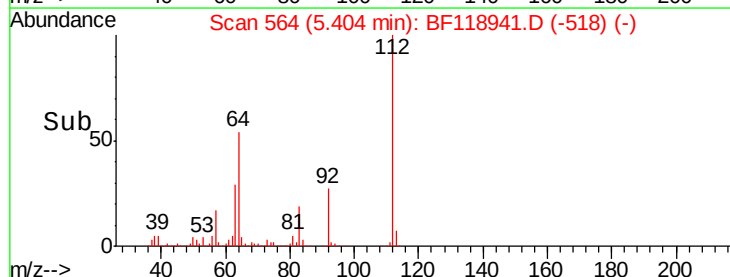
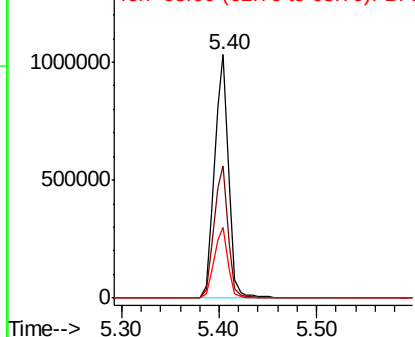
#5

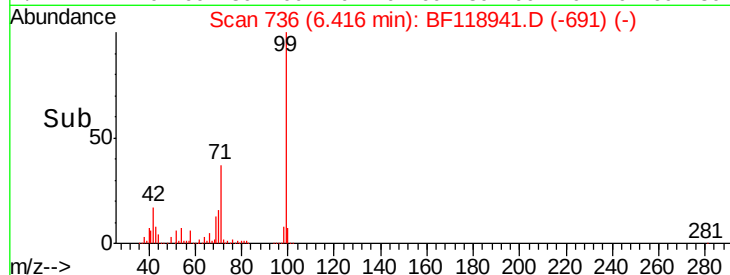
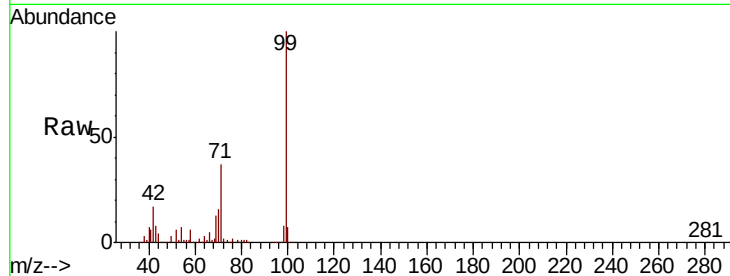
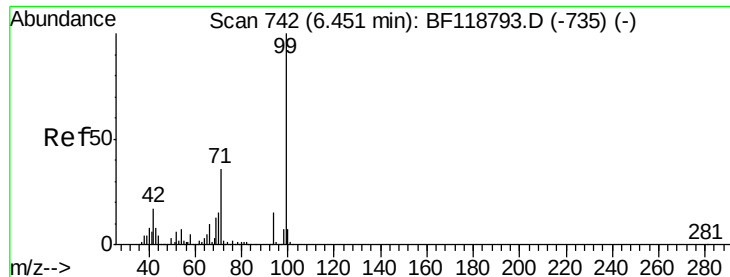
2-Fluorophenol
Concen: 68.857 ng
RT: 5.40 min Scan# 564
Delta R.T. -0.03 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Tgt Ion:112 Resp: 1025918
Ion Ratio Lower Upper
112 100
64 54.2 42.6 63.8
63 29.2 22.2 33.4



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: 94.791 ng

RT: 6.42 min Scan# 736

Delta R.T. -0.04 min

Lab File: BF118941.D

Acq: 14 Feb 2020 19:43

Instrument :

BNA_F

ClientSampleId :

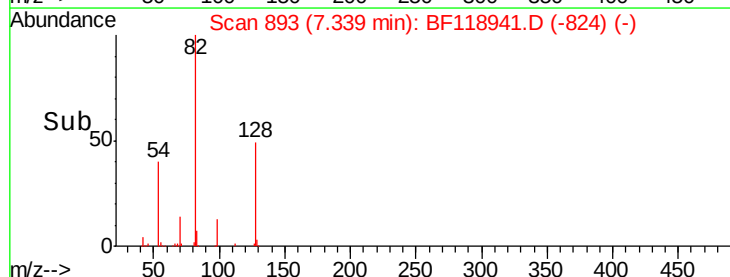
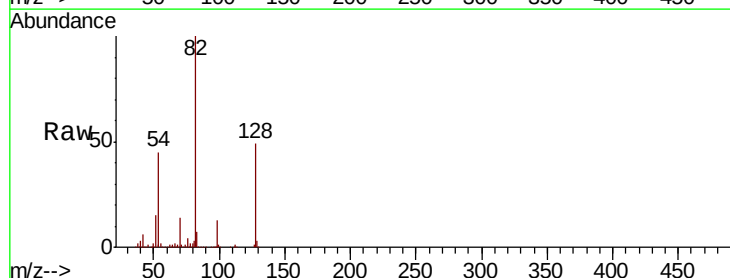
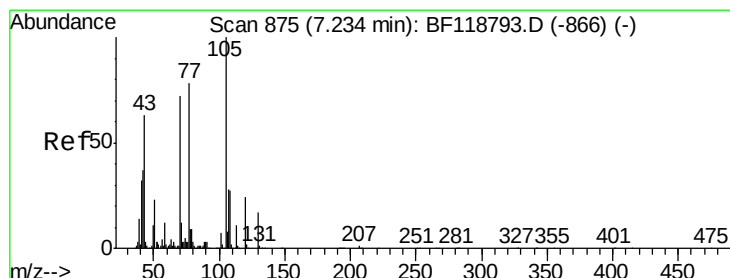
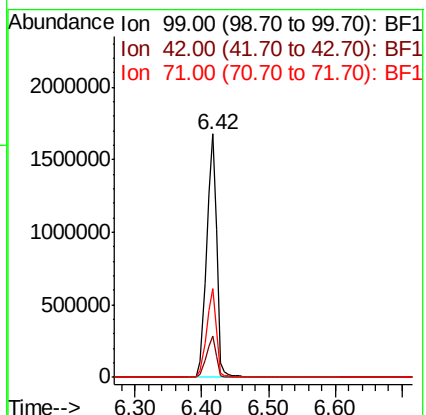
Tot Ion: 99 Resp: 1753192

Ion Ratio Lower Upper

99 100

42 17.2 13.4 20.0

71 36.6 29.0 43.6



#19

n-Nitroso-di-n-propylamine

Concen: 13.573 ng

RT: 7.34 min Scan# 893

Delta R.T. 0.11 min

Lab File: BF118941.D

Acq: 14 Feb 2020 19:43

Tgt Ion: 70 Resp: 153598

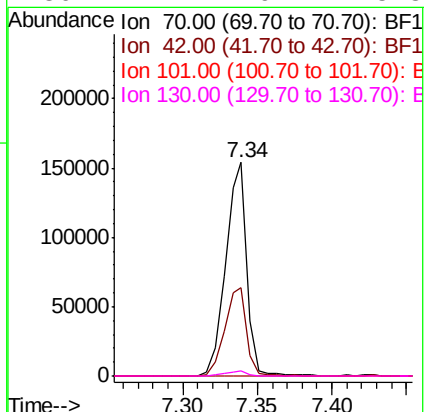
Ion Ratio Lower Upper

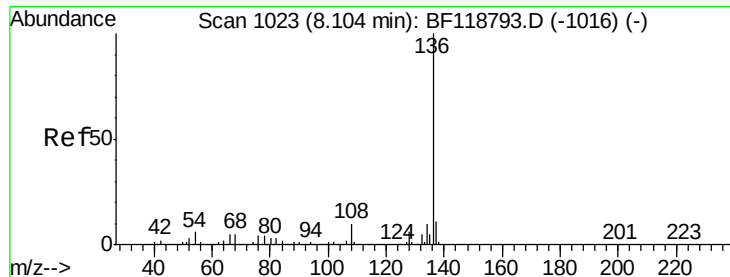
70 100

42 41.5 41.5 62.3

101 0.0 8.3 12.5#

130 2.1 19.2 28.8#

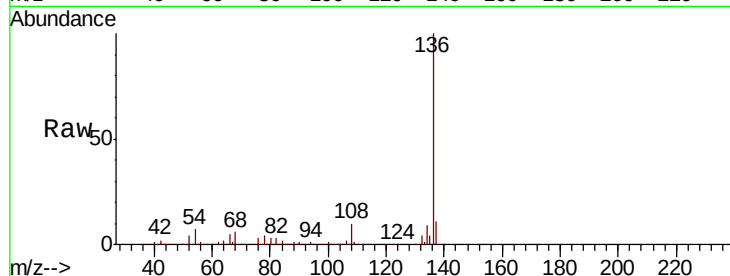




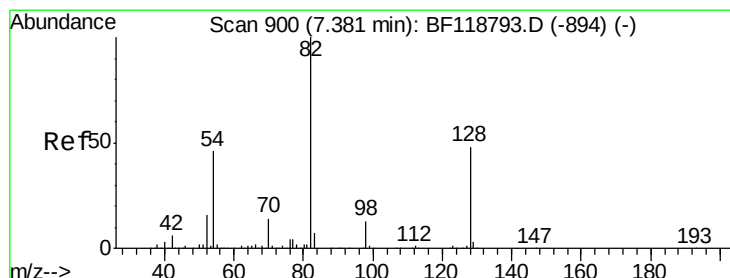
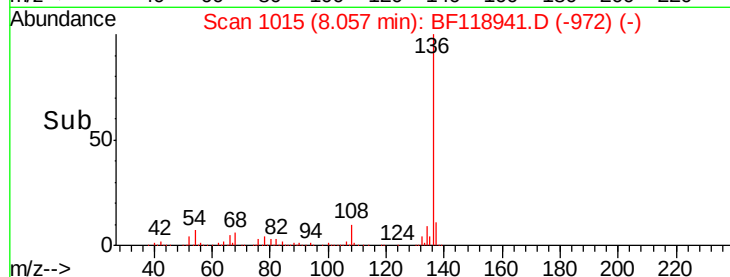
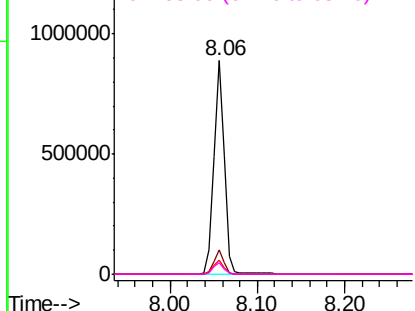
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.06 min Scan# 1015
Delta R.T. -0.05 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	746461
Ion	Ratio	Lower Upper
136	100	
137	11.2	8.7 13.1
54	6.5	5.0 7.6
68	5.6	4.2 6.4

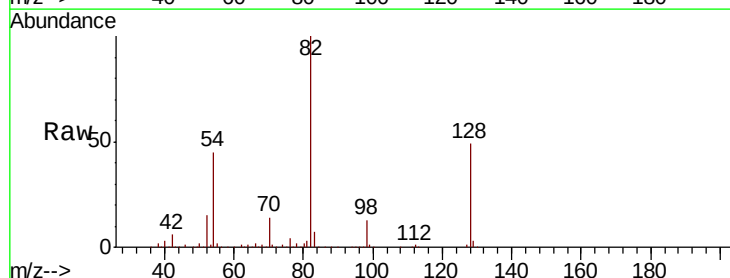


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

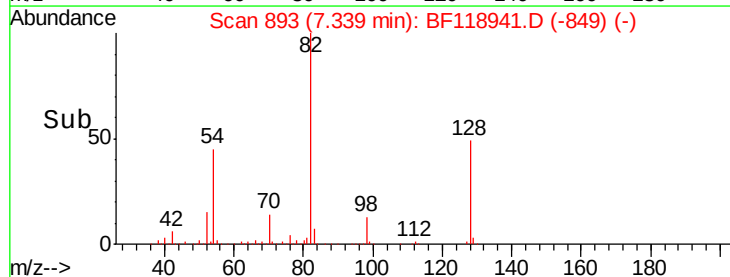
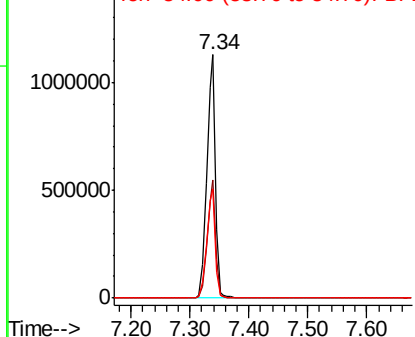


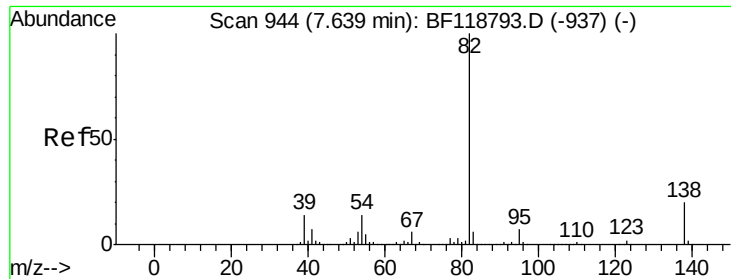
#23
Nitrobenzene-d5
Concen: 90.982 ng
RT: 7.34 min Scan# 893
Delta R.T. -0.04 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Tgt Ion: 82	Resp:	1139409
Ion	Ratio	Lower Upper
82	100	
128	48.8	38.5 57.7
54	44.7	36.7 55.1



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: 50.409 ng

RT: 7.34 min Scan# 893

Delta R.T. -0.30 min

Lab File: BF118941.D

Acq: 14 Feb 2020 19:43

Instrument :

BNA_F

ClientSampled :

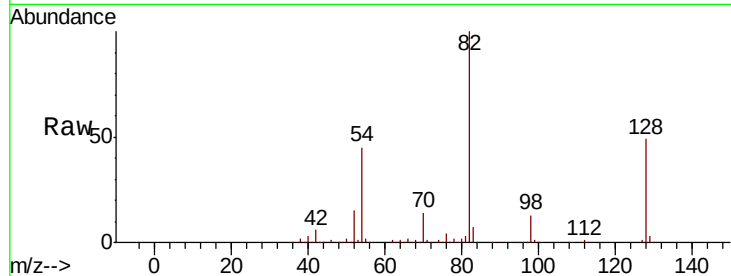
Tot Ion: 82 Resp: 1134580

Ion Ratio Lower Upper

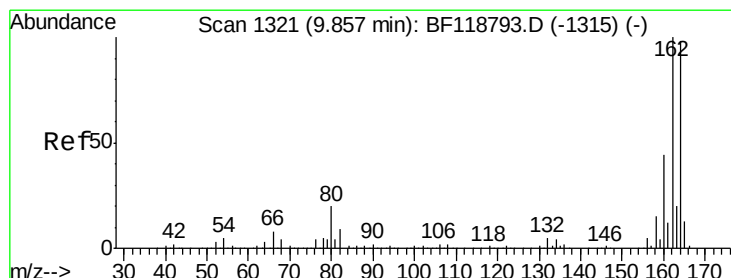
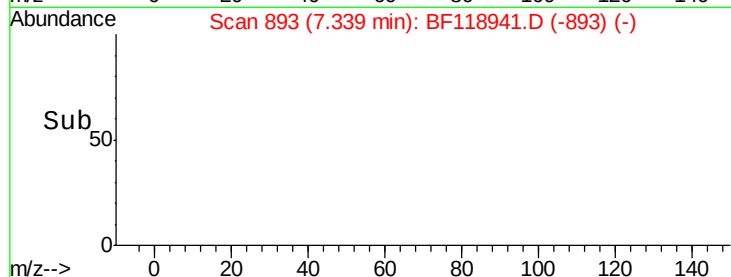
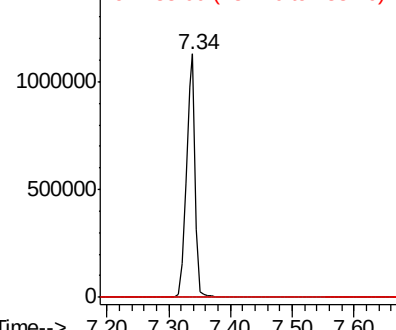
82 100

95 0.0 6.0 9.0#

138 0.0 15.7 23.5#



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: 9.81 min Scan# 1313

Delta R.T. -0.05 min

Lab File: BF118941.D

Acq: 14 Feb 2020 19:43

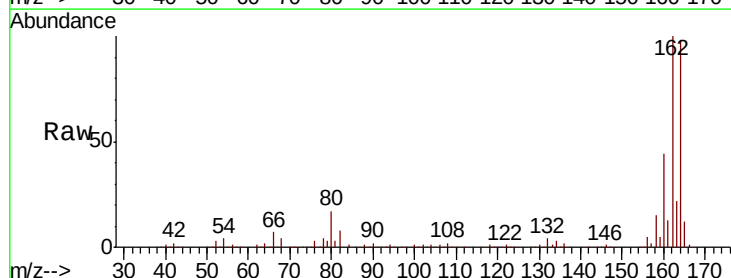
Tgt Ion:164 Resp: 385912

Ion Ratio Lower Upper

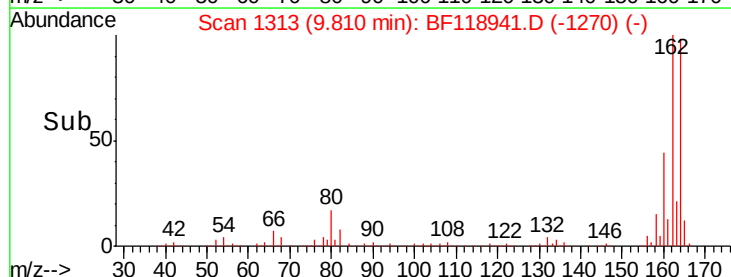
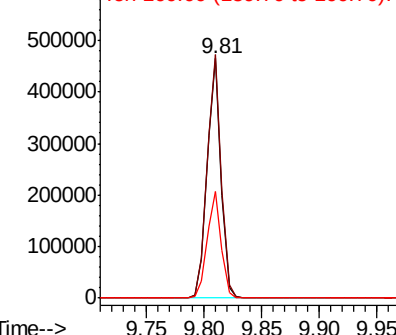
164 100

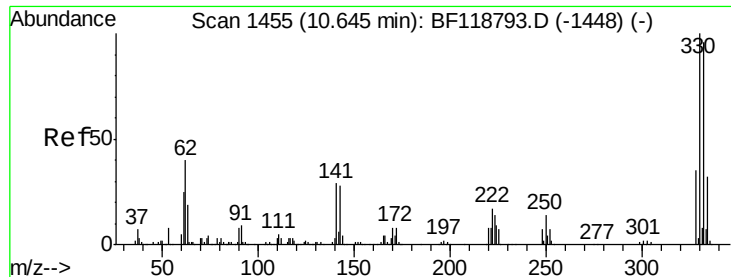
162 101.7 81.4 122.2

160 44.6 35.6 53.4



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

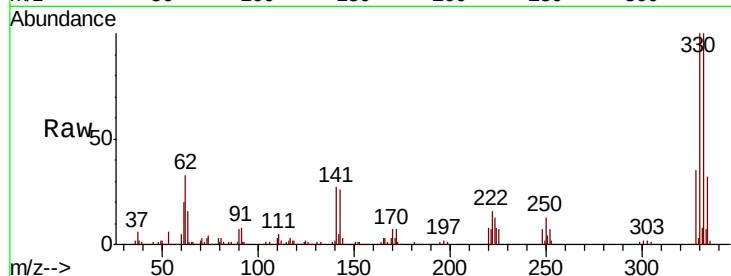




#42
 2,4,6-Tribromophenol
 Concen: 81.264 ng
 RT: 10.60 min Scan# 1447
 Delta R.T. -0.05 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.1	77.3	115.9
141	28.6	22.4	33.6

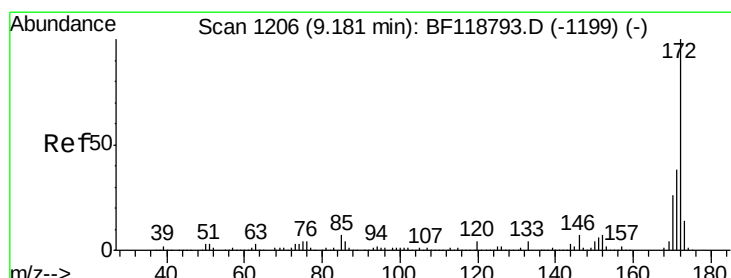
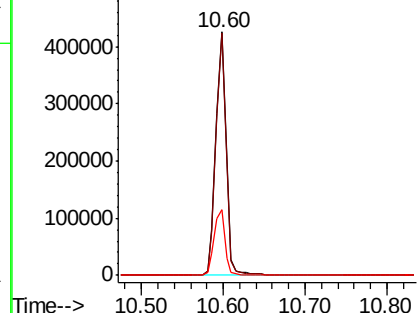
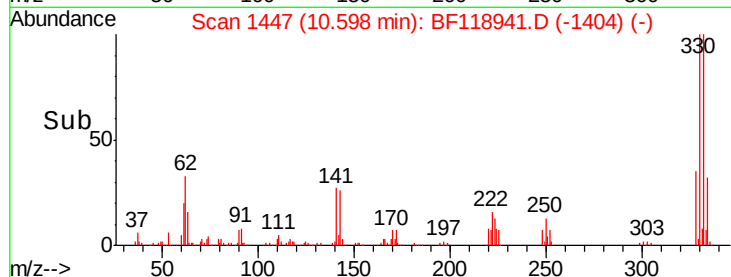


Abundance

Ion 329.80 (329.50 to 330.50): E

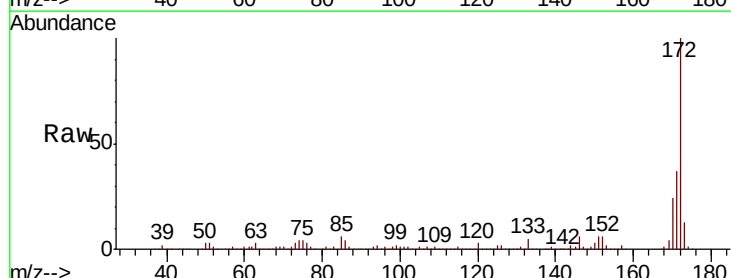
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 70.638 ng
 RT: 9.13 min Scan# 1198
 Delta R.T. -0.05 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	30.8	46.2
170	24.2	20.5	30.7

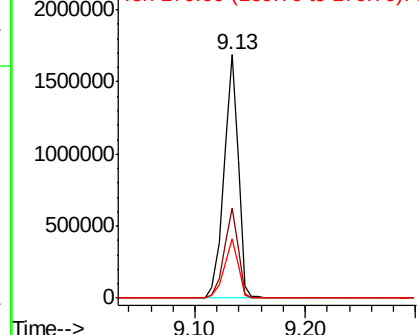
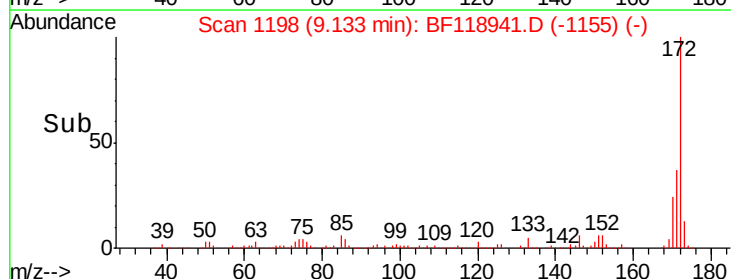


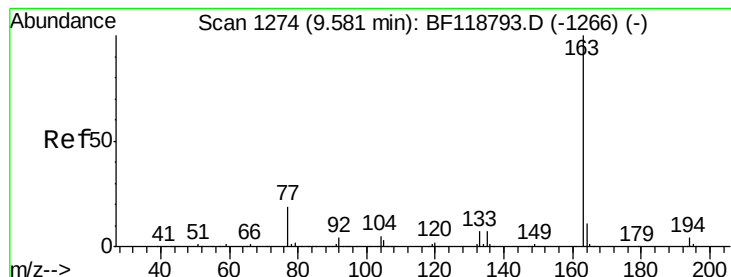
Abundance

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: 4.363 ng

RT: 9.52 min Scan# 1264

Delta R.T. -0.06 min

Lab File: BF118941.D

Acq: 14 Feb 2020 19:43

Instrument :

BNA_F

ClientSampleId :

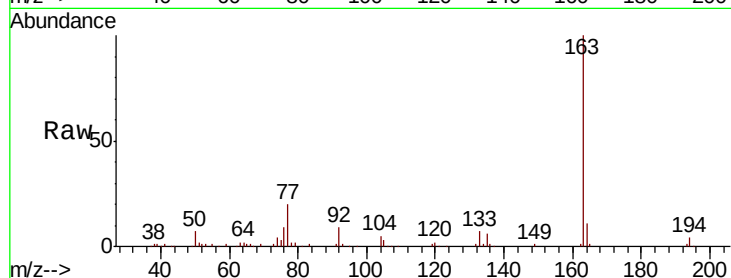
Tot Ion:163 Resp: 114636

Ion Ratio Lower Upper

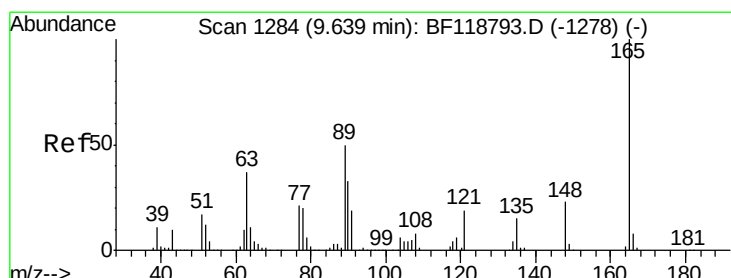
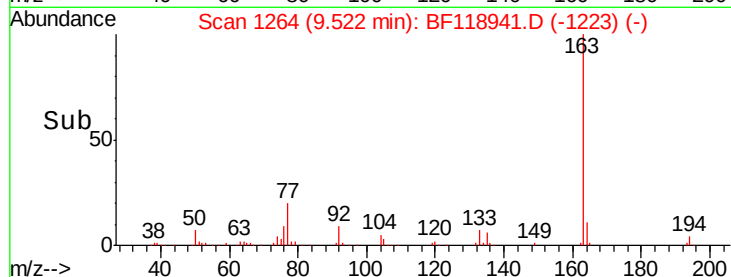
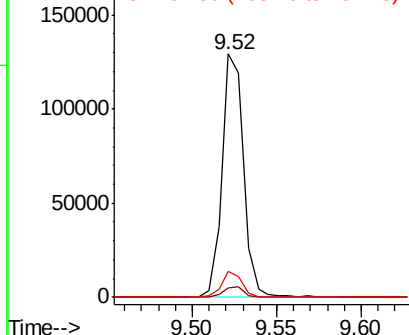
163 100

194 3.9 3.6 5.4

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: 8.342 ng

RT: 9.81 min Scan# 1313

Delta R.T. 0.17 min

Lab File: BF118941.D

Acq: 14 Feb 2020 19:43

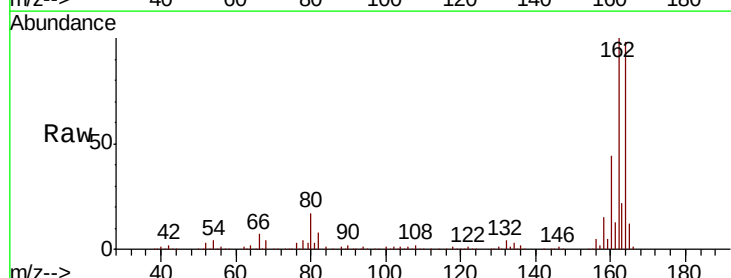
Tgt Ion:165 Resp: 50158

Ion Ratio Lower Upper

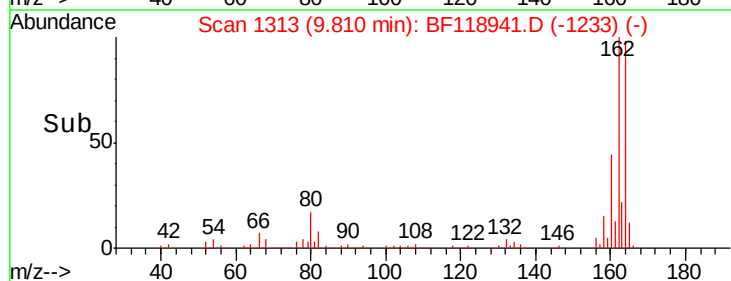
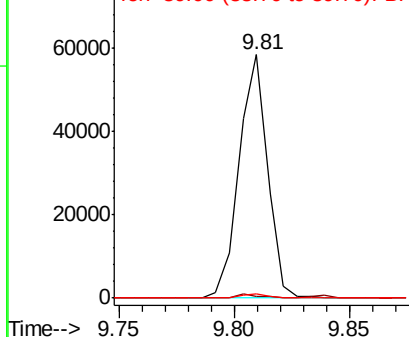
165 100

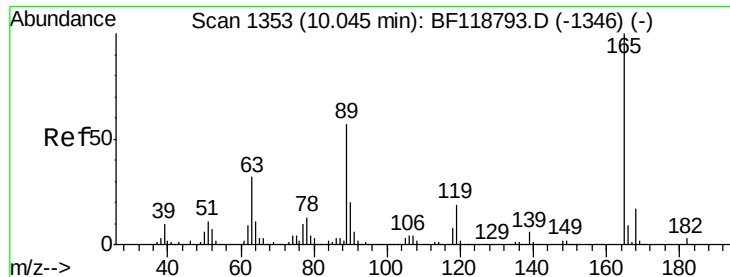
63 0.9 37.4 56.0#

89 1.7 39.7 59.5#



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

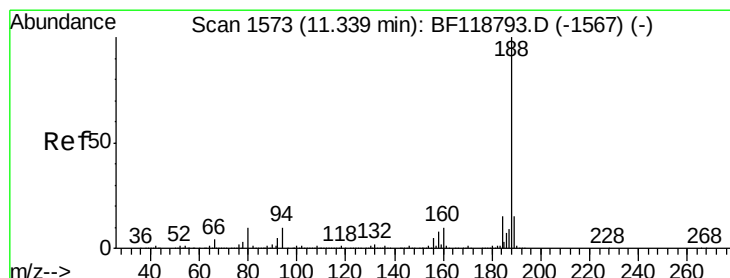
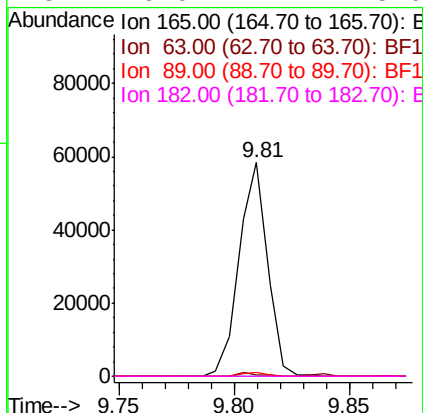
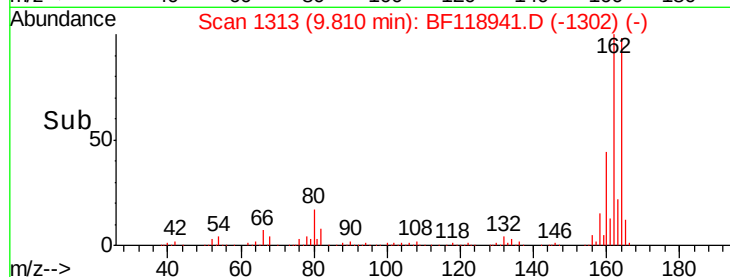
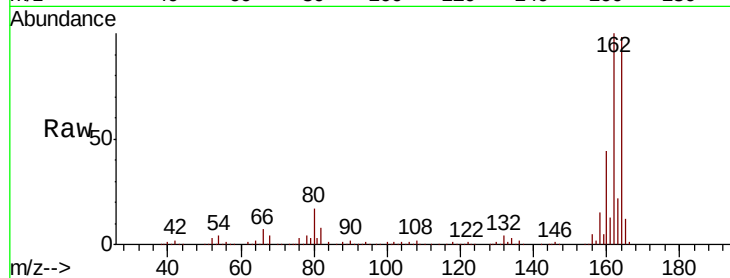




#57
 2,4-Dinitrotoluene
 Concen: 6.304 ng
 RT: 9.81 min Scan# 1313
 Delta R.T. -0.24 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

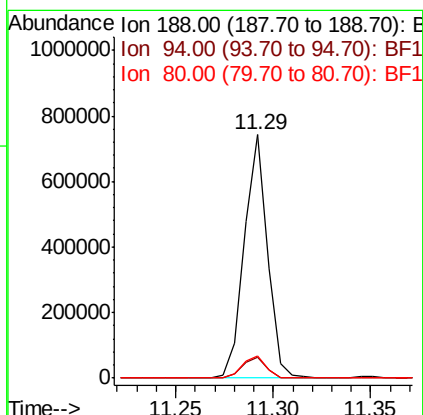
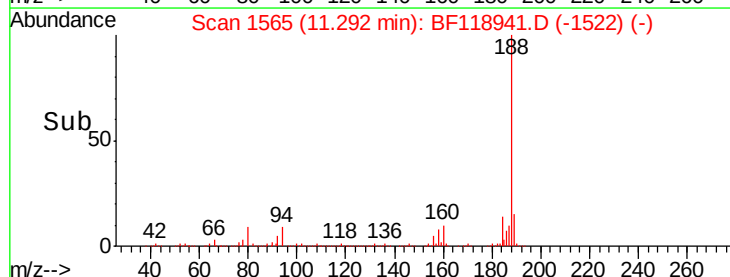
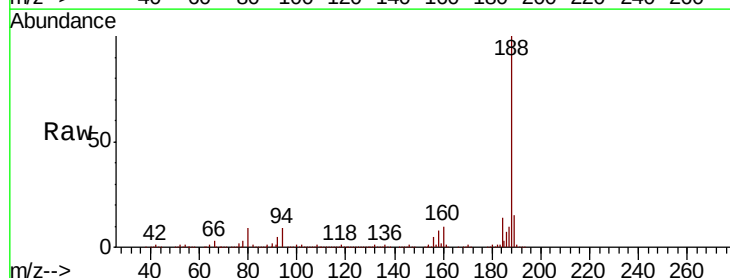
Instrument :
 BNA_F
 ClientSampleId :

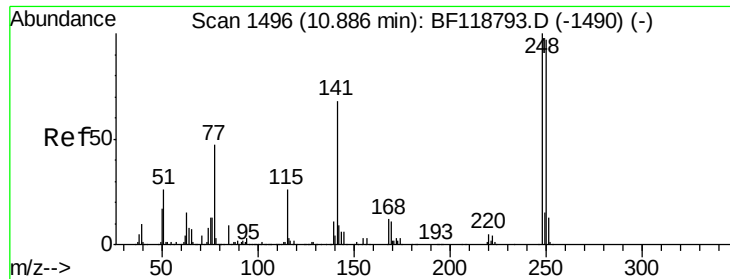
Tot Ion:165	Resp:	50158
Ion Ratio	Lower	Upper
165	100	
63	0.9	25.5 38.3#
89	1.7	45.4 68.0#
182	0.0	2.4 3.6#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.29 min Scan# 1565
 Delta R.T. -0.05 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Tgt Ion:188	Resp:	611863
Ion Ratio	Lower	Upper
188	100	
94	8.5	7.9 11.9
80	8.9	8.4 12.6

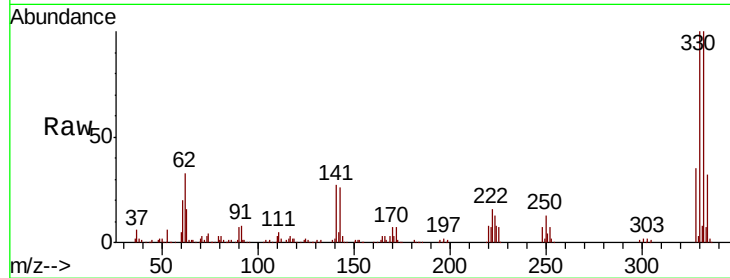




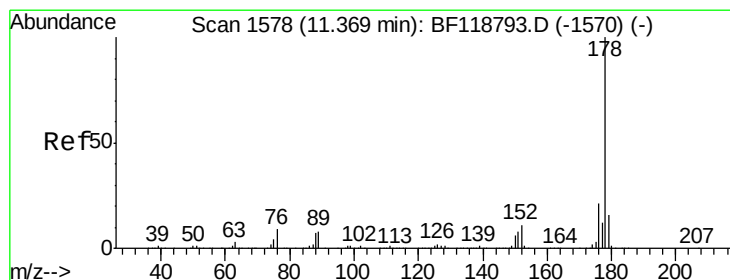
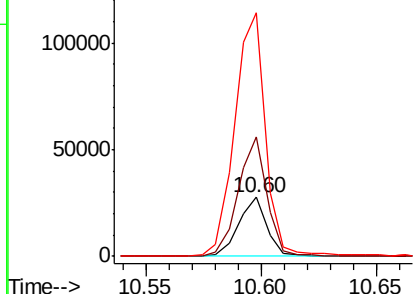
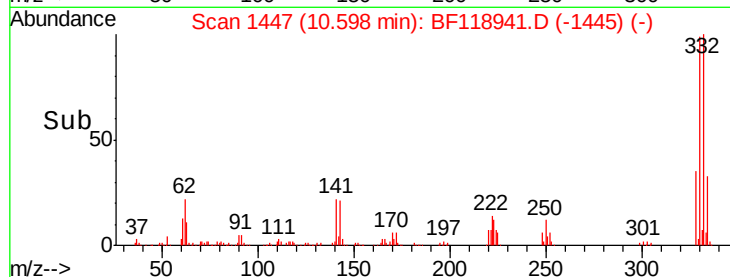
#67
4-Bromophenyl-phenylether
Concen: 3.276 ng
RT: 10.60 min Scan# 1447
Delta R.T. -0.29 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 23711
Ion Ratio Lower Upper
248 100
250 202.4 77.6 116.4#
141 411.4 54.4 81.6#

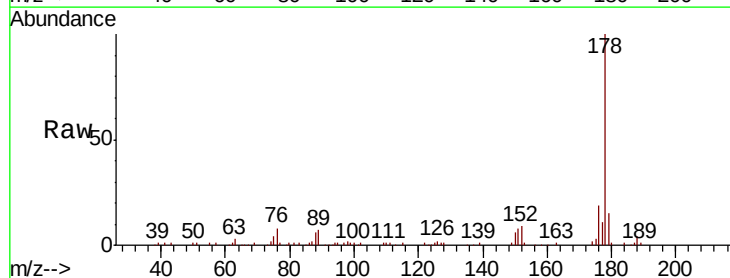


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

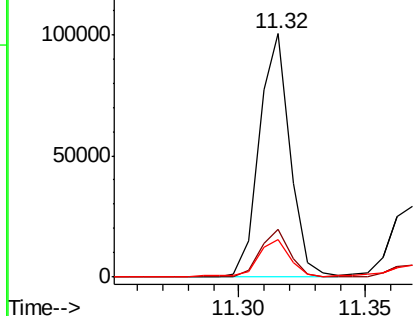
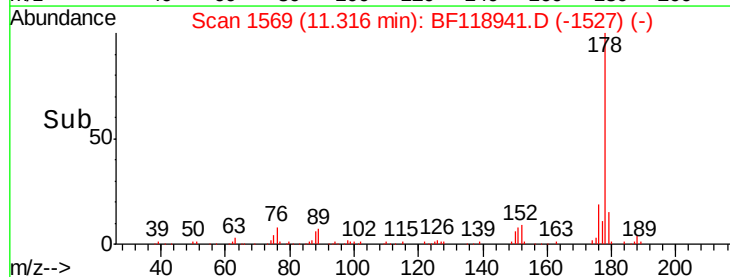


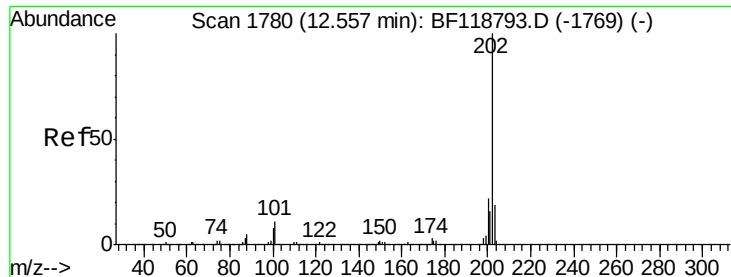
#71
Phenanthrene
Concen: 2.829 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.05 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Tgt Ion:178 Resp: 85167
Ion Ratio Lower Upper
178 100
176 19.4 16.6 24.8
179 15.3 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: 5.799 ng

RT: 12.50 min Scan# 1771

Delta R.T. -0.05 min

Lab File: BF118941.D

Acq: 14 Feb 2020 19:43

Instrument :

BNA_F

ClientSampleId :

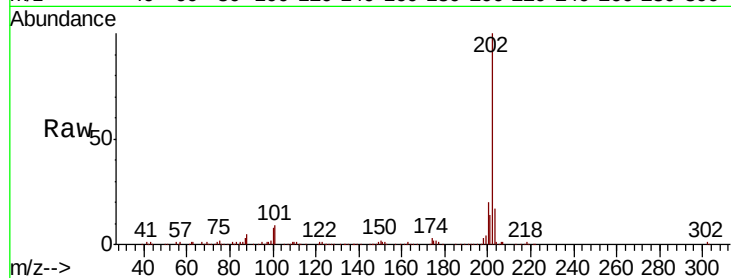
Tot Ion:202 Resp: 190615

Ion Ratio Lower Upper

202 100

101 9.4 0.0 31.0

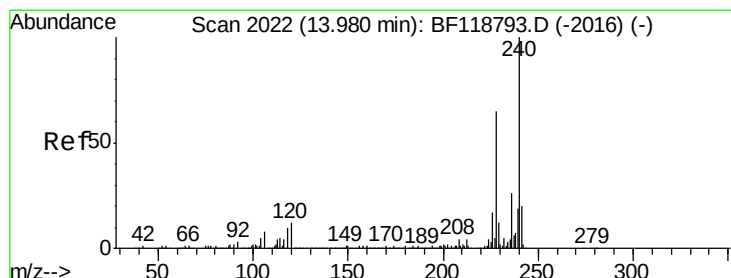
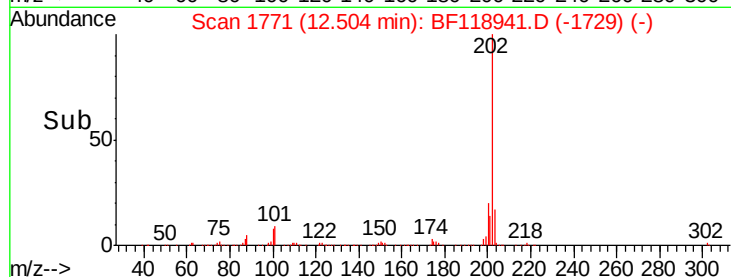
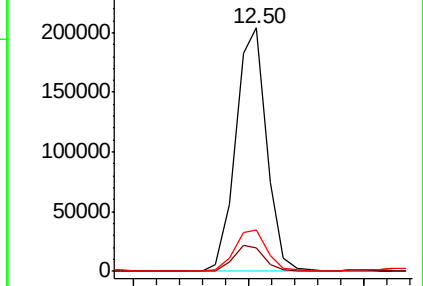
203 17.0 0.0 38.7



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: 13.93 min Scan# 2013

Delta R.T. -0.05 min

Lab File: BF118941.D

Acq: 14 Feb 2020 19:43

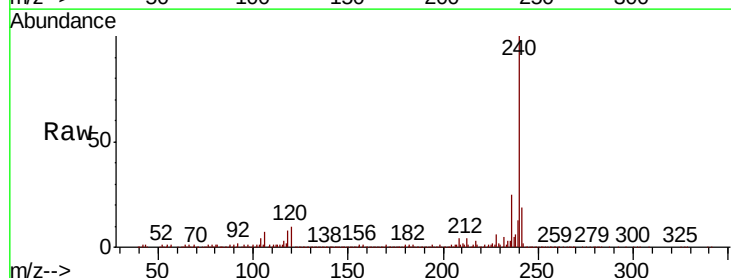
Tgt Ion:240 Resp: 438308

Ion Ratio Lower Upper

240 100

120 9.6 9.4 14.0

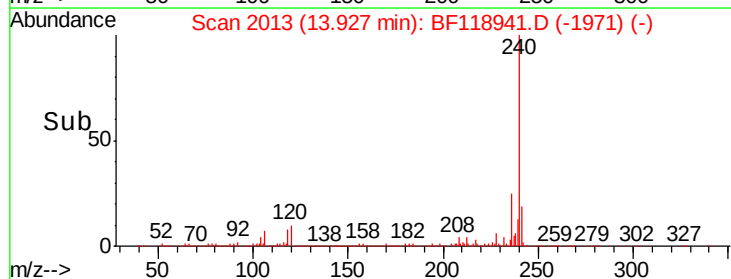
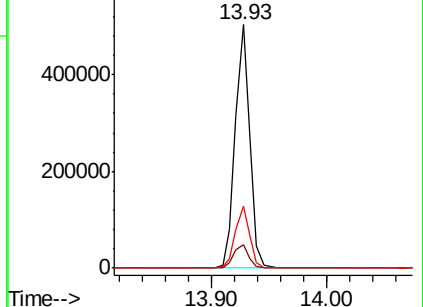
236 25.4 21.0 31.6

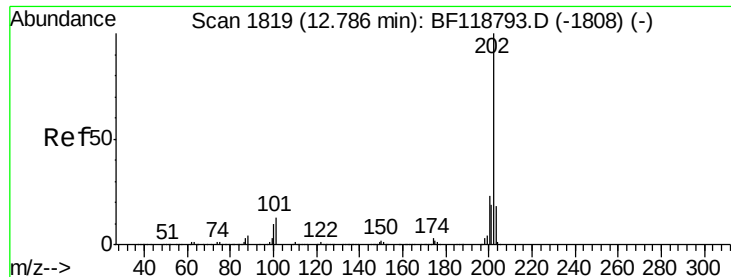


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

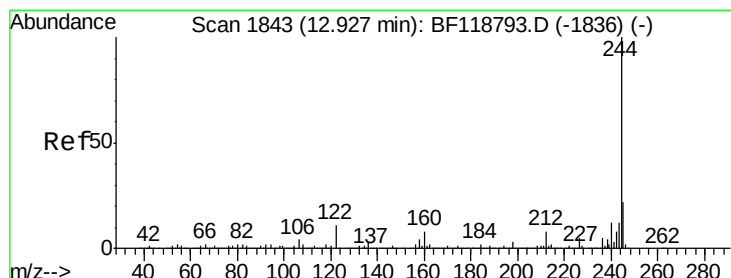
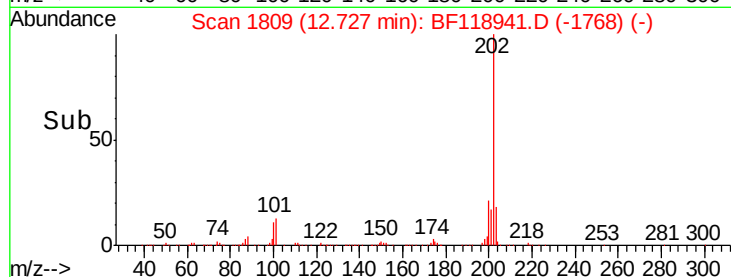
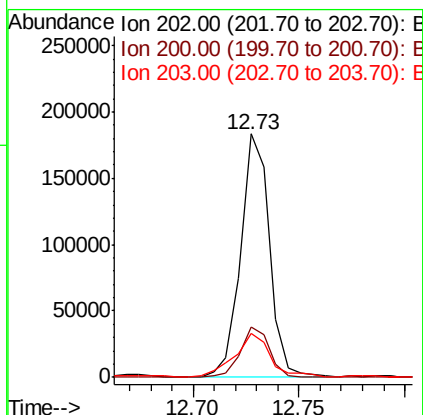
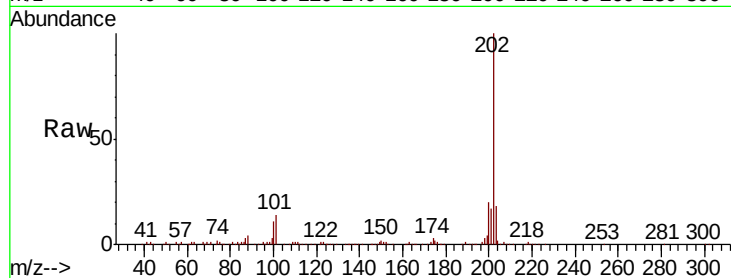




#78
Pvrene
Concen: 5.730 ng
RT: 12.73 min Scan# 1809
Delta R.T. -0.06 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

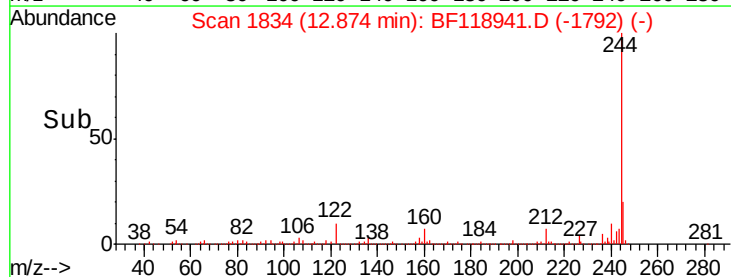
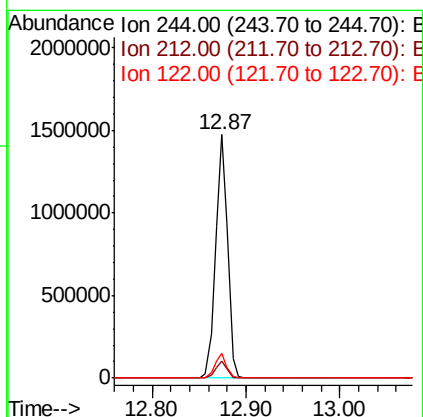
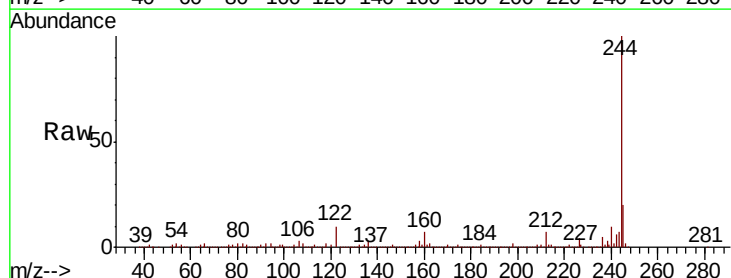
Instrument :
BNA_F
ClientSampleId :

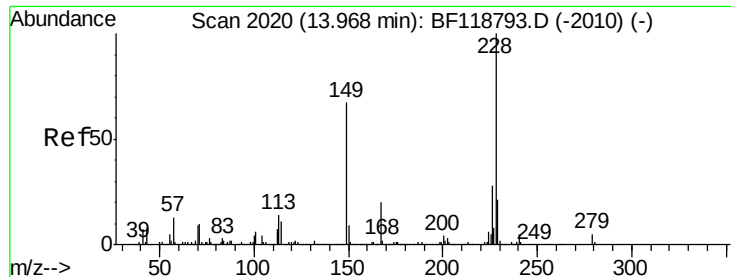
Tot Ion:202 Resp: 172302
Ion Ratio Lower Upper
202 100
200 20.5 18.2 27.2
203 18.1 14.8 22.2



#79
Terphenyl-d14
Concen: 62.478 ng
RT: 12.87 min Scan# 1834
Delta R.T. -0.05 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Tgt Ion:244 Resp: 1333210
Ion Ratio Lower Upper
244 100
212 7.0 6.5 9.7
122 10.2 8.9 13.3

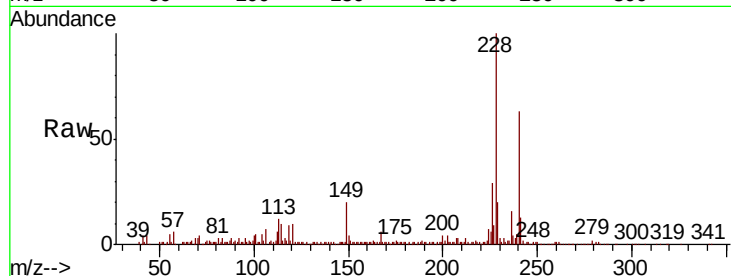




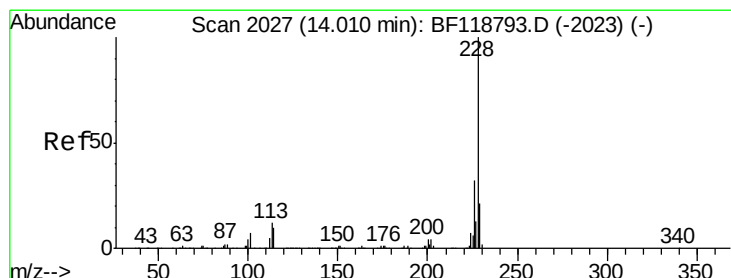
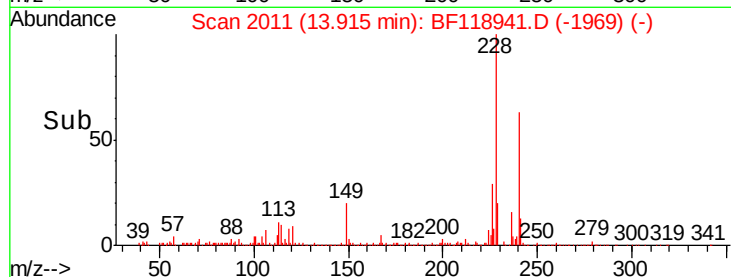
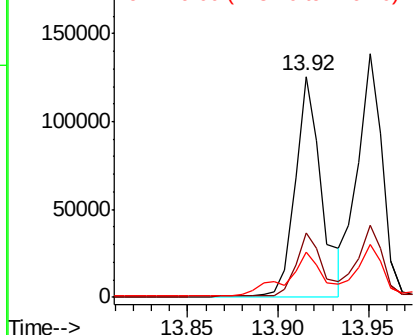
#81
Benzo(a)anthracene
Concen: 4.889 ng
RT: 13.92 min Scan# 2011
Delta R.T. -0.05 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Instrument :
BNA_F
ClientSampleId :

Tot Ion:228 Resp: 127503
Ion Ratio Lower Upper
228 100
226 29.0 22.7 34.1
229 20.5 16.6 25.0

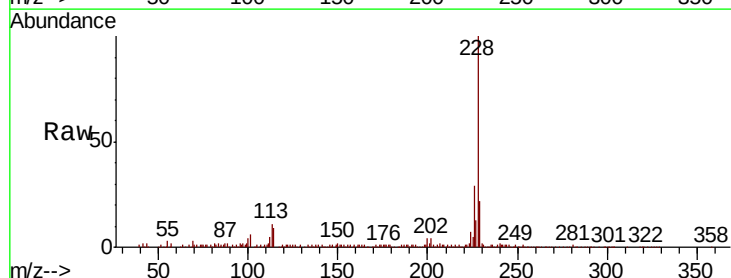


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

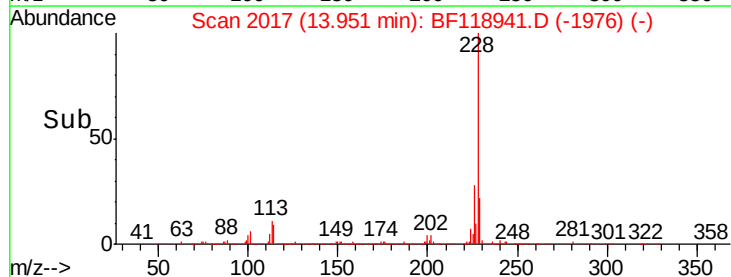
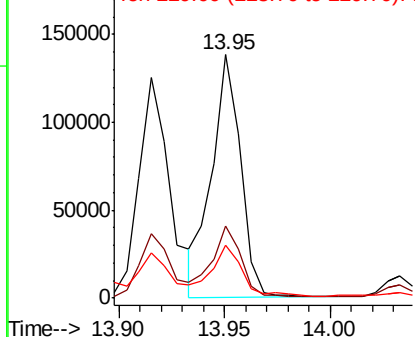


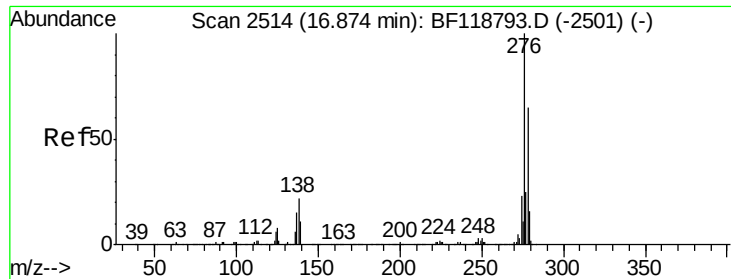
#83
Chrysene
Concen: 5.040 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.06 min
Lab File: BF118941.D
Acq: 14 Feb 2020 19:43

Tgt Ion:228 Resp: 131945
Ion Ratio Lower Upper
228 100
226 29.4 25.4 38.0
229 21.9 16.9 25.3



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

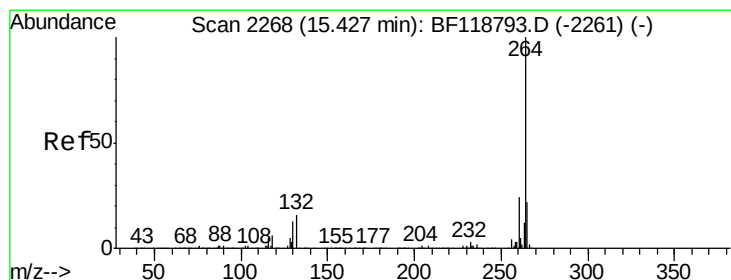
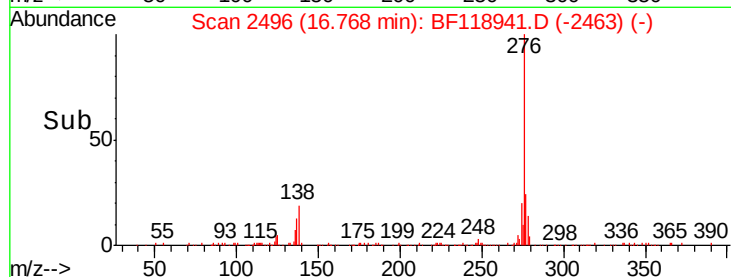
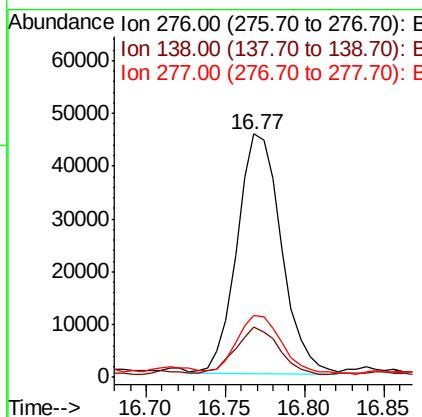
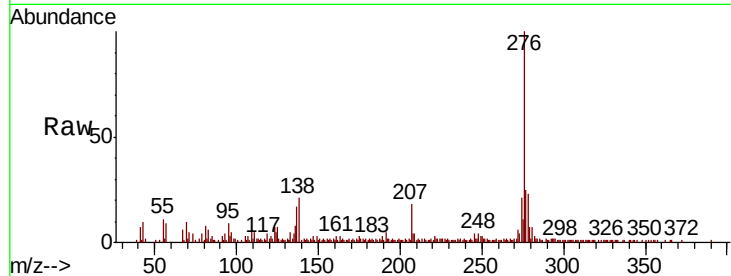




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 3.366 ng
 RT: 16.77 min Scan# 2496
 Delta R.T. -0.11 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

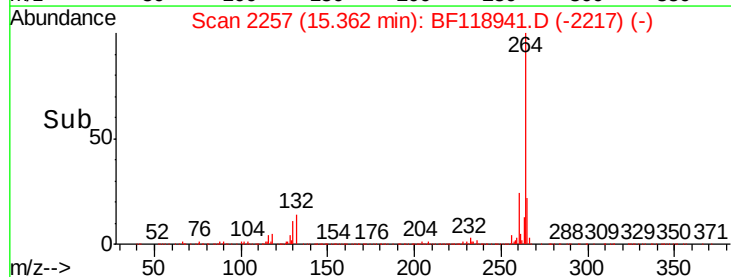
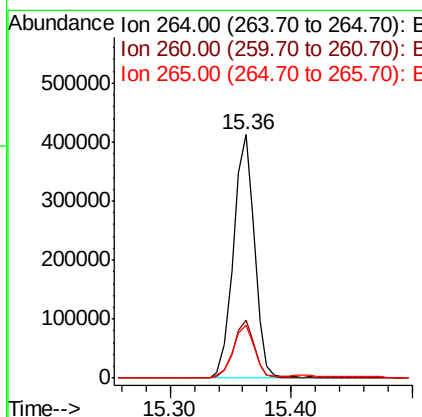
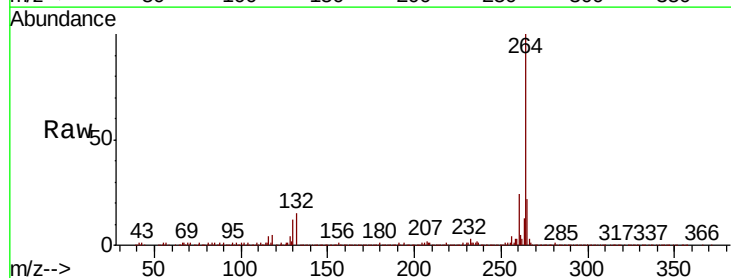
Instrument :
 BNA_F
 ClientSampleId :

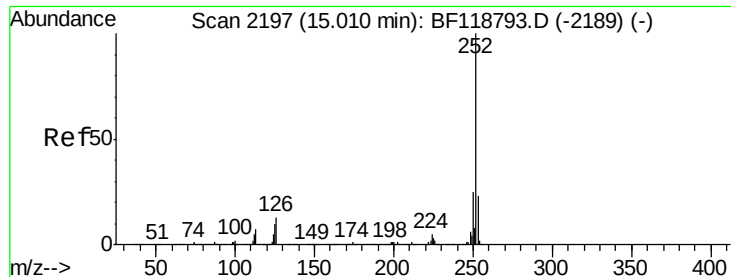
Tot Ion	Ratio	Lower	Upper
276	100		
138	19.4	18.3	27.5
277	24.8	20.2	30.4



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.36 min Scan# 2257
 Delta R.T. -0.06 min
 Lab File: BF118941.D
 Acq: 14 Feb 2020 19:43

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.0	19.1	28.7
265	21.9	17.2	25.8





#88

Benzo(b)fluoranthene

Concen: 9.136 ng

RT: 14.95 min Scan# 2187

Delta R.T. -0.06 min

Lab File: BF118941.D

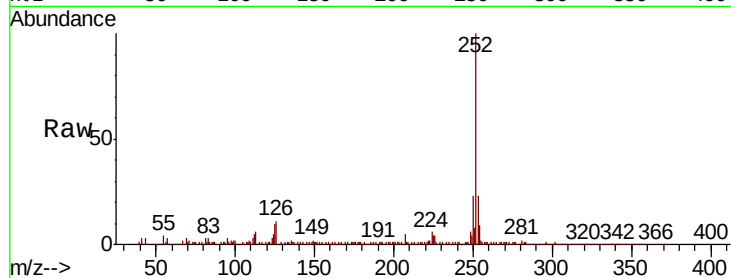
Acq: 14 Feb 2020 19:43

Instrument :

BNA_F

ClientSampleId :

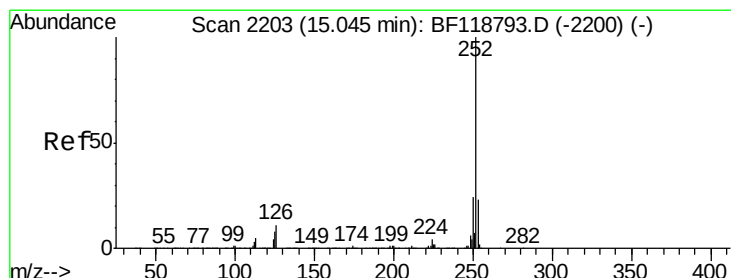
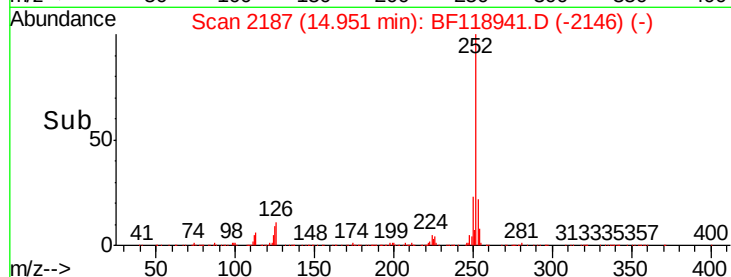
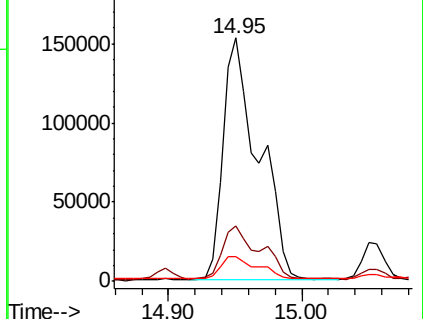
Tot Ion:252	Resp:	283615
Ion Ratio	Lower	Upper
252	100	
253	23.0	18.4 27.6
125	10.4	8.1 12.1



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: 10.492 ng

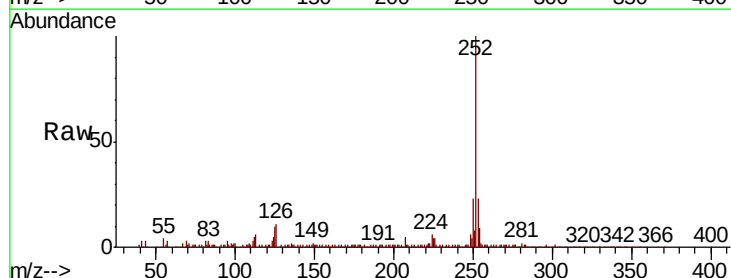
RT: 14.95 min Scan# 2187

Delta R.T. -0.09 min

Lab File: BF118941.D

Acq: 14 Feb 2020 19:43

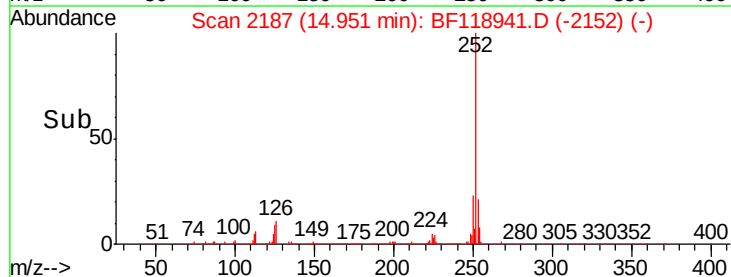
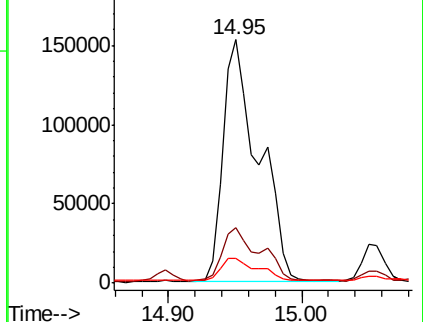
Tgt Ion:252	Resp:	283615
Ion Ratio	Lower	Upper
252	100	
253	23.0	18.2 27.4
125	10.4	7.0 10.6

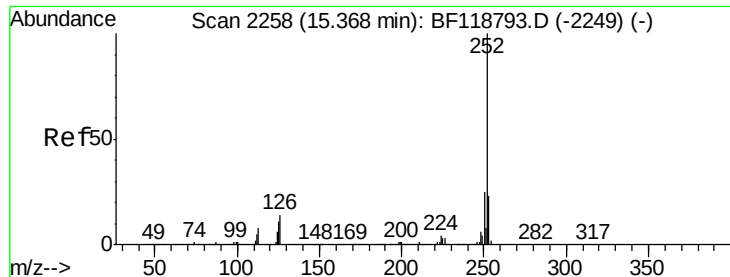


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 4.890 ng

RT: 15.30 min Scan# 2246

Delta R.T. -0.07 min

Lab File: BF118941.D

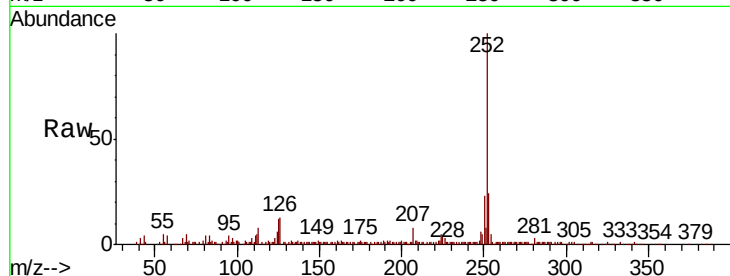
Acq: 14 Feb 2020 19:43

Instrument :

BNA_F

ClientSampled :

Tot Ion:	252	Resp:	129927
Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	12.2	8.7	13.1

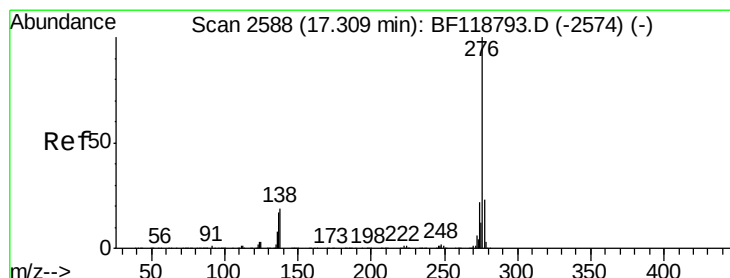
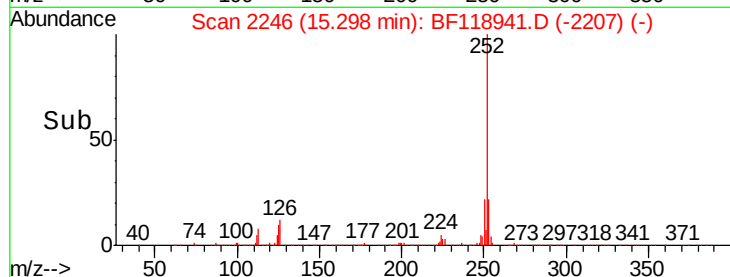
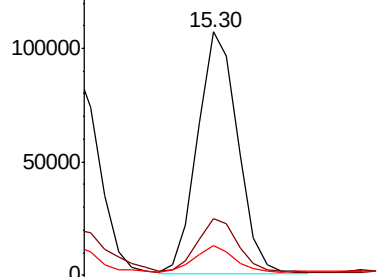


Abundance

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



#92

Benzo(g,h,i)perylene

Concen: 3.450 ng

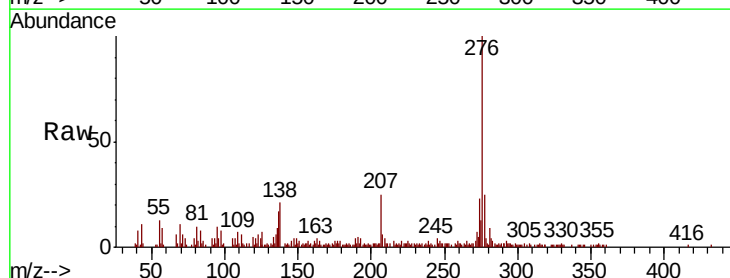
RT: 17.19 min Scan# 2568

Delta R.T. -0.12 min

Lab File: BF118941.D

Acq: 14 Feb 2020 19:43

Tgt Ion:	276	Resp:	78243
Ion	Ratio	Lower	Upper
276	100		
277	24.8	18.7	28.1
138	21.2	15.4	23.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

