

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118820.D
 Acq On : 4 Feb 2020 23:57
 Operator : CG/JU
 Sample : L1368-01 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Feb 05 06:35:59 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

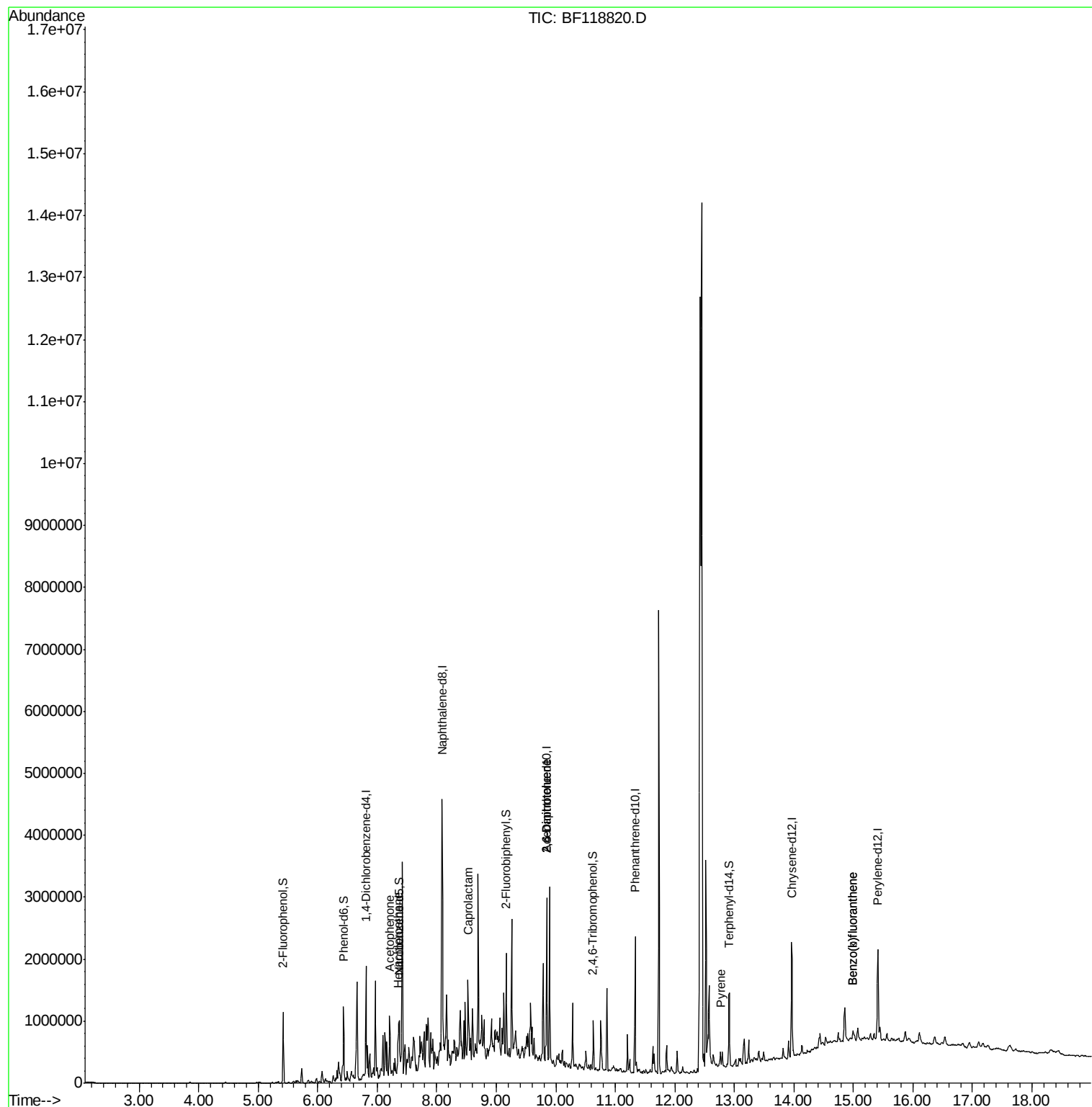
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	280402	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	985412	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	534832	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	867174	20.00	ng	0.00
76) Chrysene-d12	13.96	240	609904	20.00	ng	-0.02
87) Perylene-d12	15.41	264	722152	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	294637	19.89	ng	-0.01
7) Phenol-d6	6.43	99	359654	19.56	ng	-0.02
23) Nitrobenzene-d5	7.37	82	236940	14.33	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	104652	16.35	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	465193	15.55	ng	-0.01
79) Terphenyl-d14	12.92	244	444762	14.98	ng	-0.01
Target Compounds				Qvalue		
9) Benzaldehyde	6.37	77	4585	Below Cal	#	1
18) Hexachloroethane	7.35	117	26629	3.787 ng	#	1
22) Acetophenone	7.21	105	78978	3.689 ng	#	36
35) Caprolactam	8.53	113	30662	6.606 ng	#	31
51) 2,6-Dinitrotoluene	9.85	165	76095	9.132 ng	#	31
57) 2,4-Dinitrotoluene	9.85	165	76095	6.901 ng	#	34
78) Pyrene	12.77	202	92662	2.215 ng		99
88) Benzo(b)fluoranthene	14.99	252	97439	2.174 ng	#	87
89) Benzo(k)fluoranthene	14.99	252	97439	2.497 ng	#	85

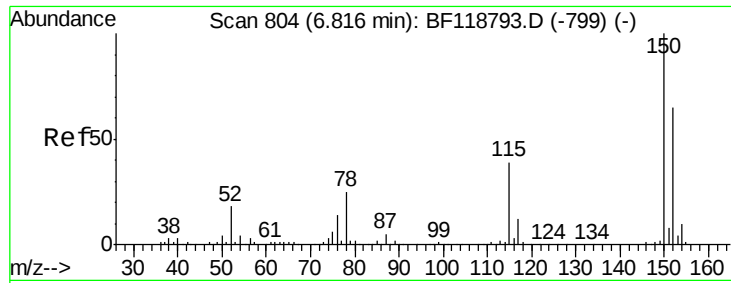
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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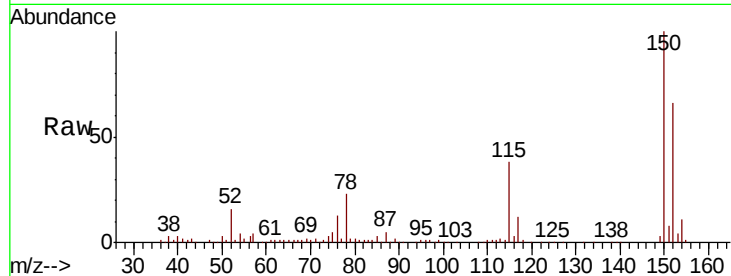


#1

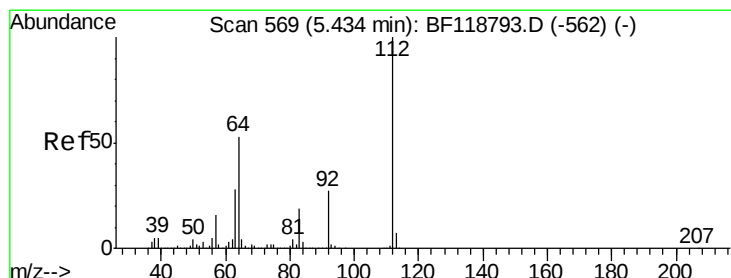
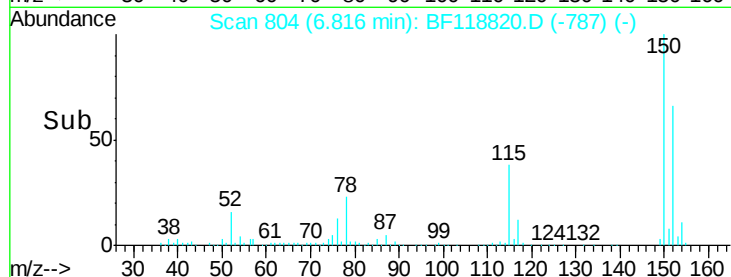
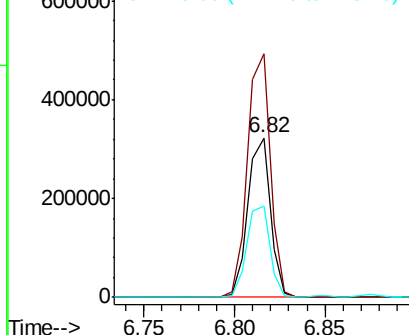
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. -0.00 min
Lab File: BF118820.D
Acq: 4 Feb 2020 23:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 280402
Ion Ratio Lower Upper
152 100
150 152.6 123.6 185.4
115 57.4 48.2 72.2



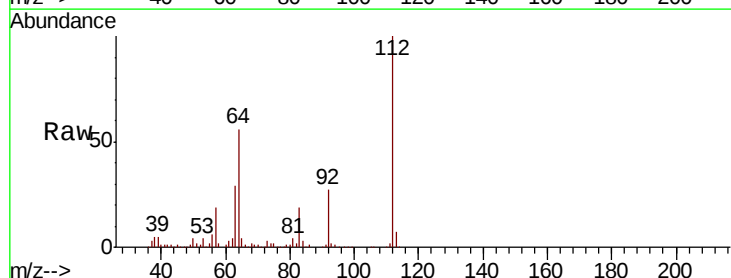
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



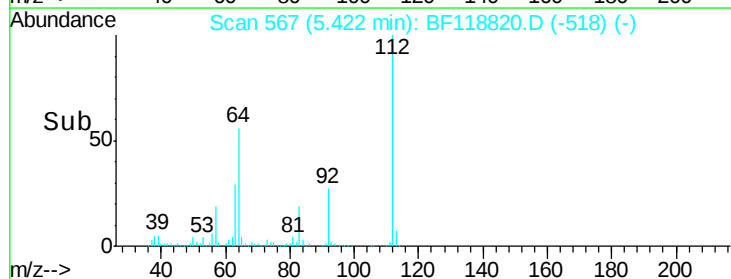
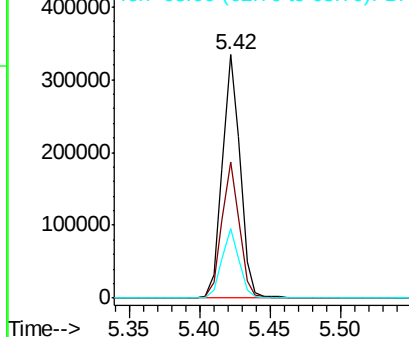
#5

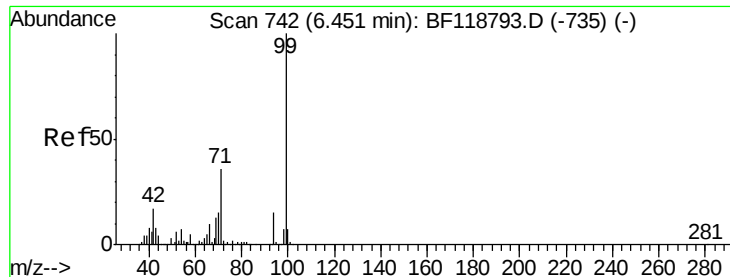
2-Fluorophenol
Concen: 19.890 ng
RT: 5.42 min Scan# 567
Delta R.T. -0.01 min
Lab File: BF118820.D
Acq: 4 Feb 2020 23:57

Tgt Ion:112 Resp: 294637
Ion Ratio Lower Upper
112 100
64 55.6 42.6 63.8
63 28.7 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: 19.559 ng

RT: 6.43 min Scan# 739

Delta R.T. -0.02 min

Lab File: BF118820.D

Acq: 4 Feb 2020 23:57

Instrument :

BNA_G

ClientSampled :

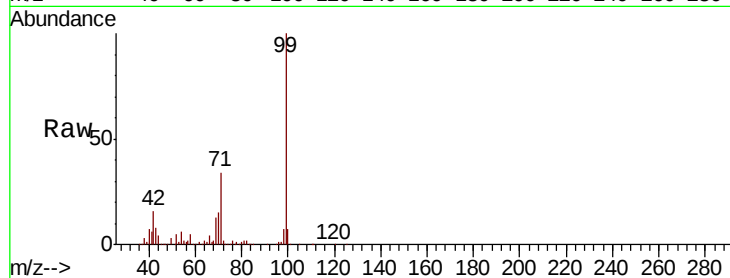
Tot Ion: 99 Resp: 359654

Ion Ratio Lower Upper

99 100

42 16.5 13.4 20.0

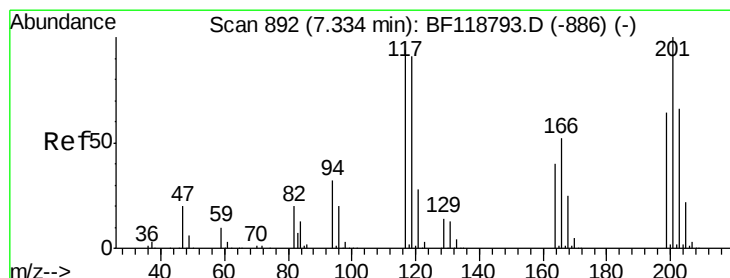
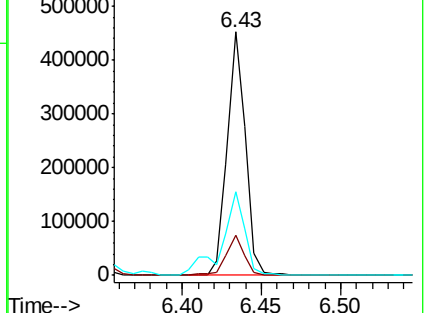
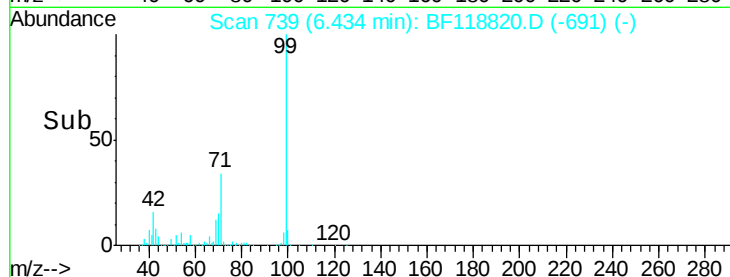
71 34.4 29.0 43.6



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



#18

Hexachloroethane

Concen: 3.787 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.02 min

Lab File: BF118820.D

Acq: 4 Feb 2020 23:57

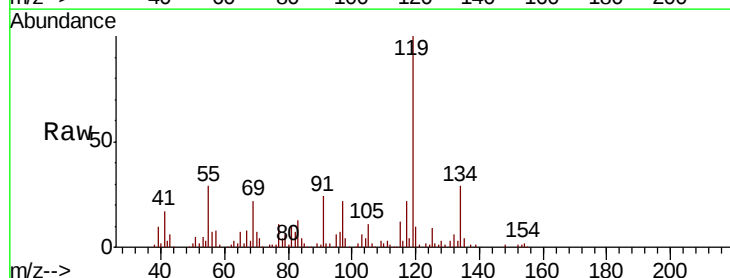
Tgt Ion: 117 Resp: 26629

Ion Ratio Lower Upper

117 100

119 452.2 77.4 116.0#

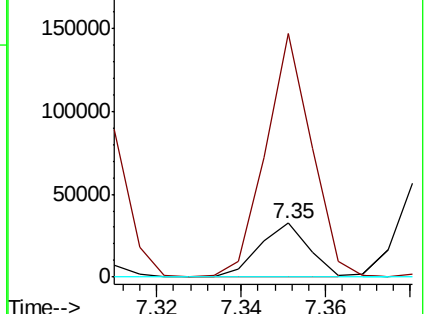
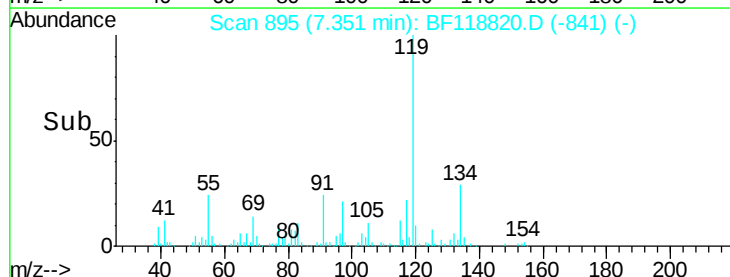
201 0.0 85.1 127.7#

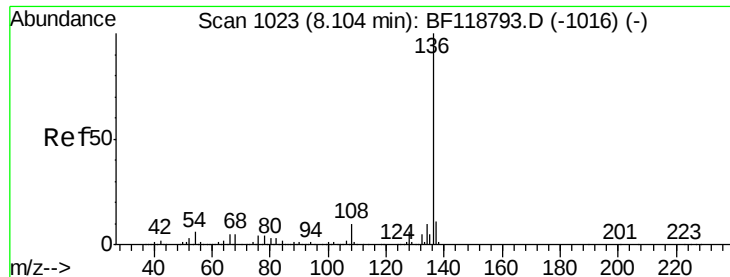


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF118820.D

Acq: 4 Feb 2020 23:57

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 985412

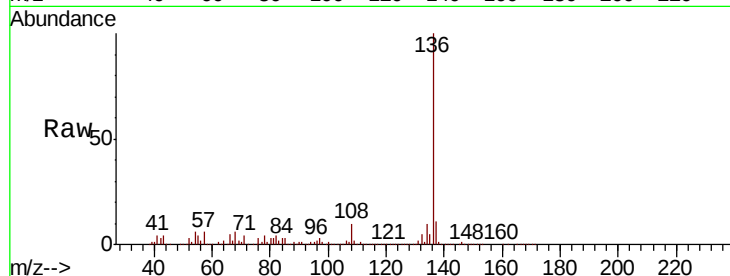
Ion Ratio Lower Upper

136 100

137 11.1 8.7 13.1

54 6.3 5.0 7.6

68 6.0 4.2 6.4

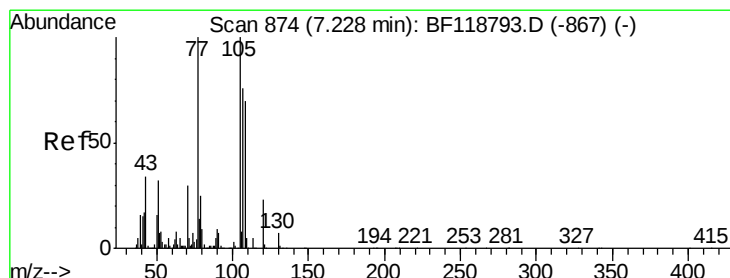
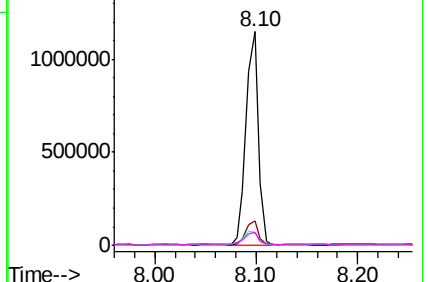
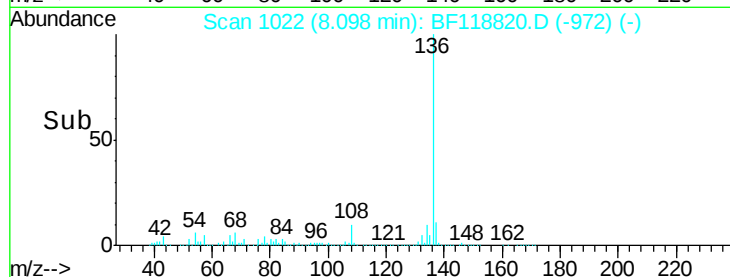


Abundance Ion 136.00 (135.70 to 136.70): E

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



#22

Acetophenone

Concen: 3.689 ng

RT: 7.21 min Scan# 871

Delta R.T. -0.02 min

Lab File: BF118820.D

Acq: 4 Feb 2020 23:57

Tgt Ion:105 Resp: 78978

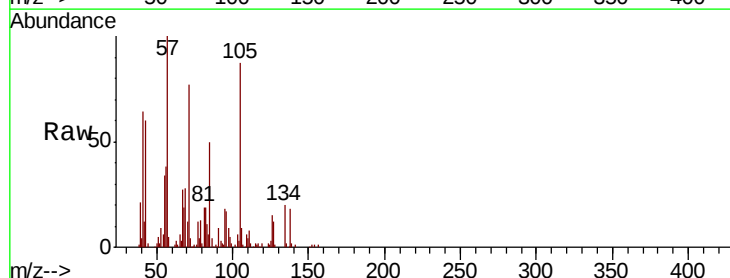
Ion Ratio Lower Upper

105 100

71 88.3 4.2 6.4#

51 6.3 25.5 38.3#

120 0.0 18.6 28.0#

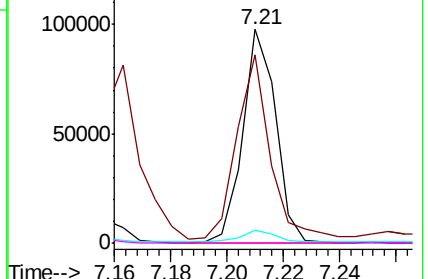
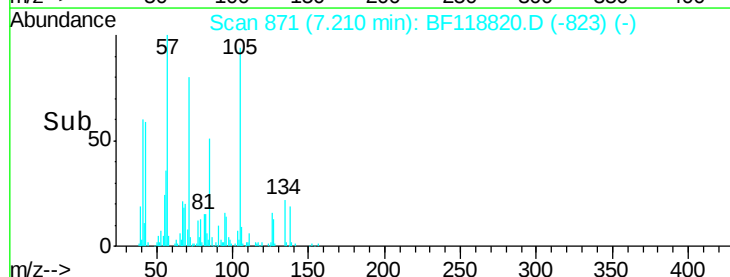


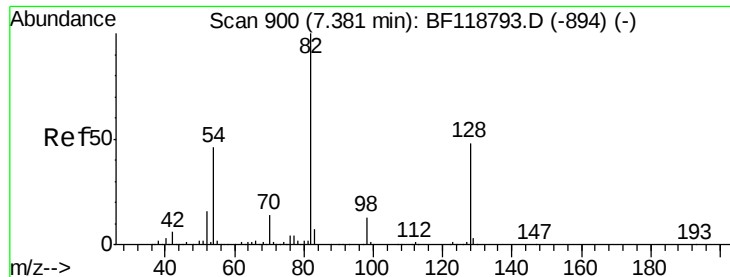
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E

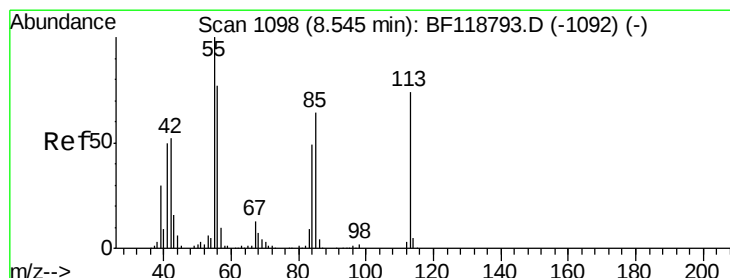
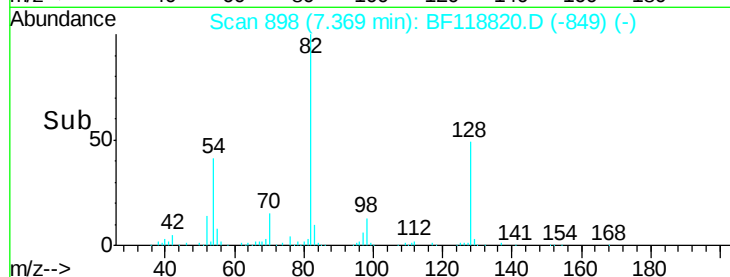
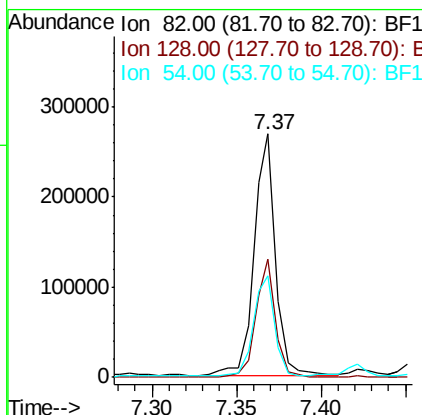
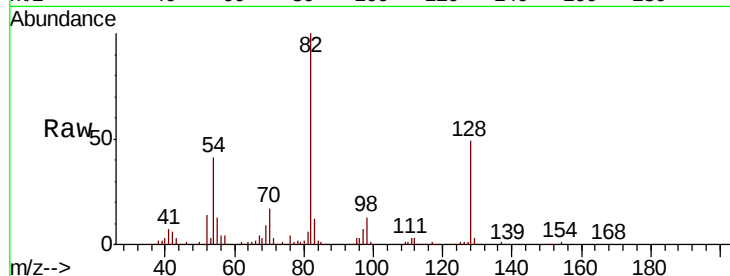




#23
 Nitrobenzene-d5
 Concen: 14.332 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF118820.D
 Acq: 4 Feb 2020 23:57

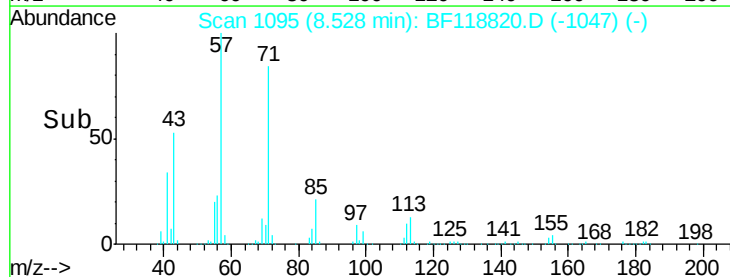
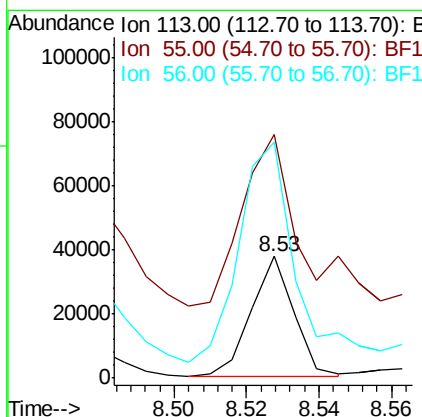
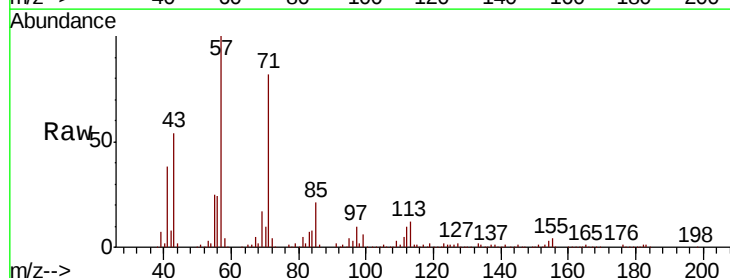
Instrument :
 BNA_G
 ClientSampleId :

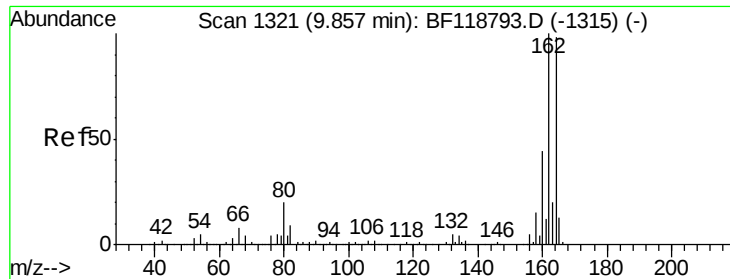
Tot Ion	82	Resp	236940
Ion Ratio	Lower	Upper	
82	100		
128	48.5	38.5	57.7
54	41.5	36.7	55.1



#35
 Caprolactam
 Concen: 6.606 ng
 RT: 8.53 min Scan# 1095
 Delta R.T. -0.02 min
 Lab File: BF118820.D
 Acq: 4 Feb 2020 23:57

Tgt Ion	113	Resp	30662
Ion Ratio	Lower	Upper	
113	100		
55	199.9	115.5	155.5#
56	194.1	83.7	123.7#

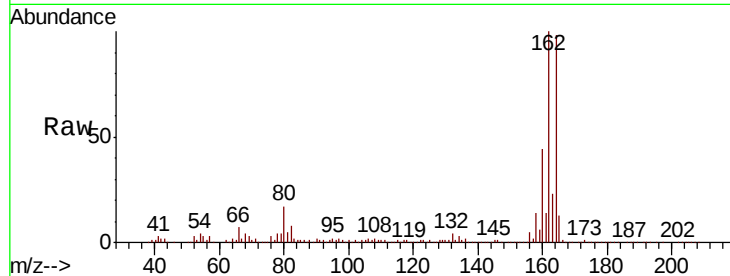




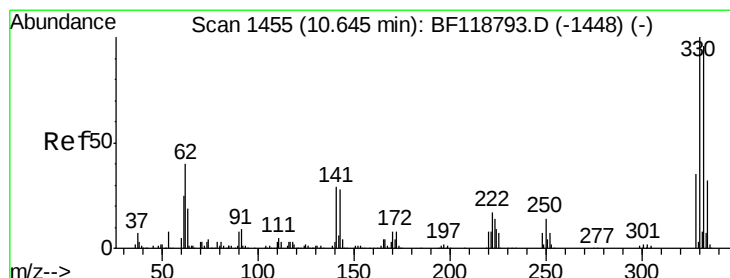
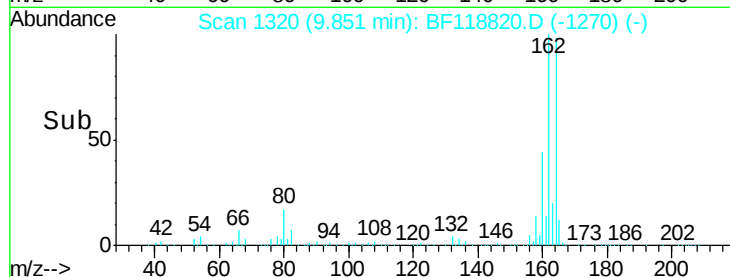
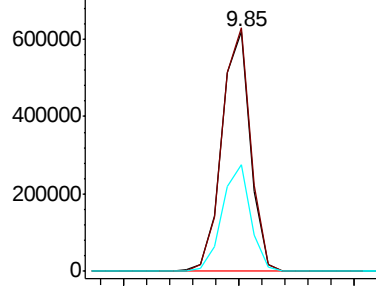
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF118820.D
Acq: 4 Feb 2020 23:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:164 Resp: 534832
Ion Ratio Lower Upper
164 100
162 101.7 81.4 122.2
160 44.4 35.6 53.4

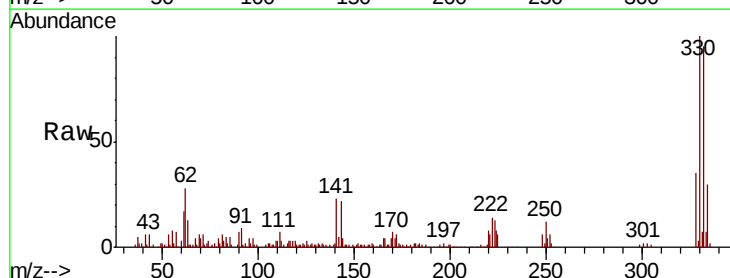


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

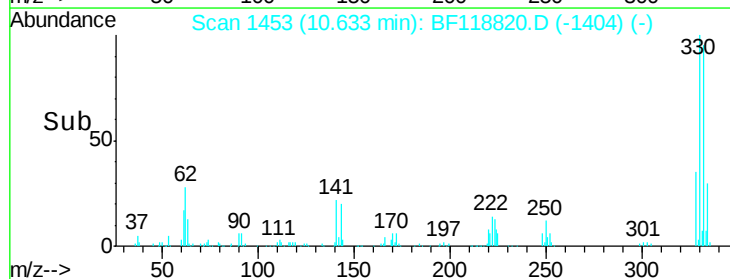
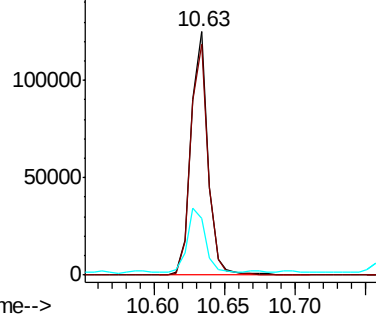


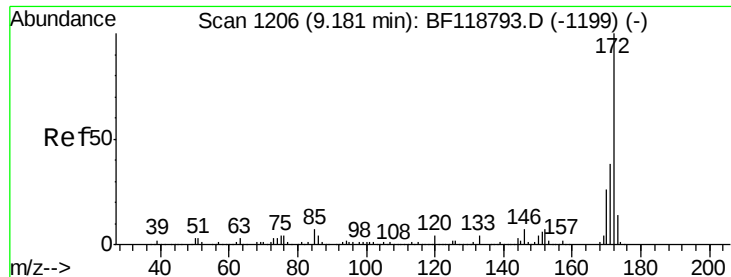
#42
2,4,6-Tribromophenol
Concen: 16.353 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.01 min
Lab File: BF118820.D
Acq: 4 Feb 2020 23:57

Tgt Ion:330 Resp: 104652
Ion Ratio Lower Upper
330 100
332 96.8 77.3 115.9
141 27.8 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

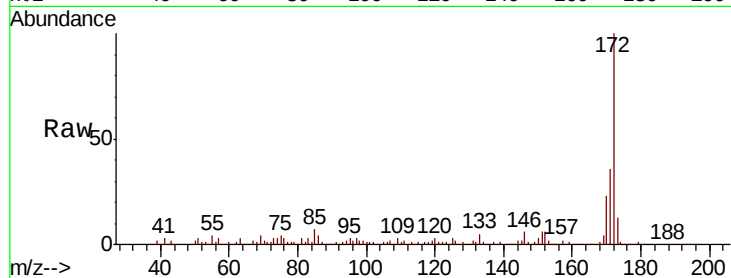




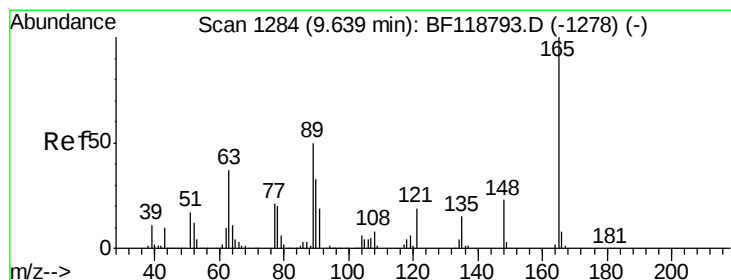
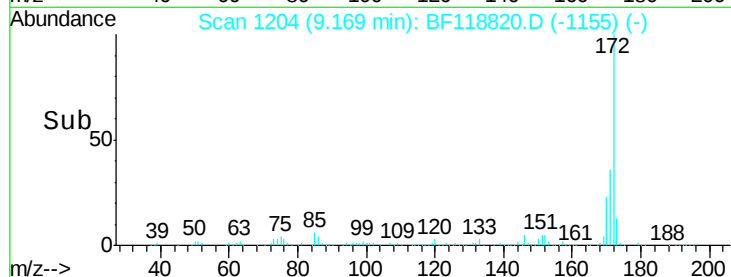
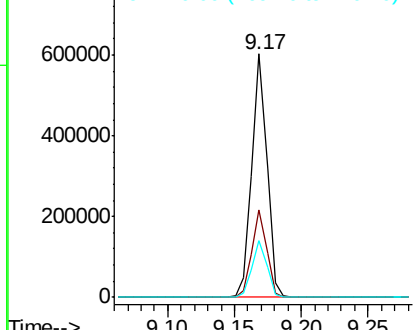
#45
2-Fluorobiphenyl
Concen: 15.549 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118820.D
Acq: 4 Feb 2020 23:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.7	30.8	46.2
170	23.2	20.5	30.7

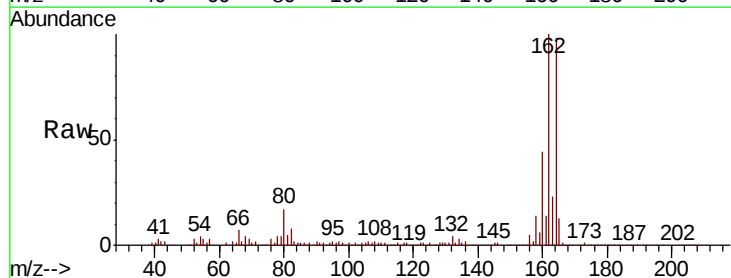


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

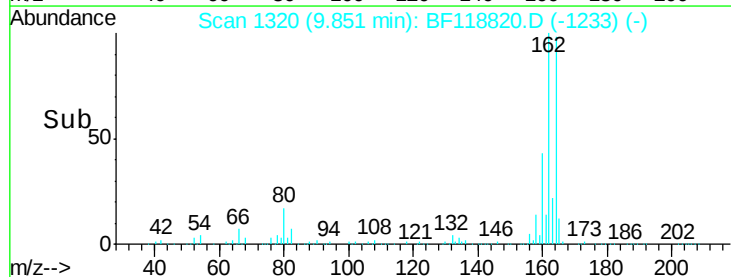
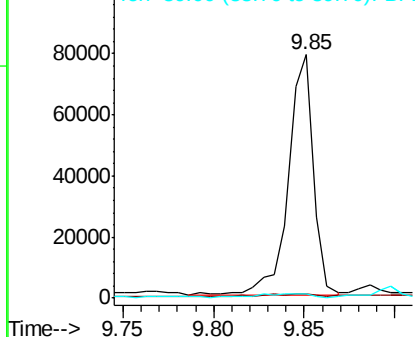


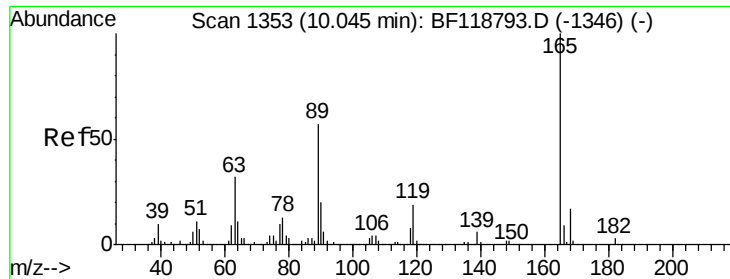
#51
2,6-Dinitrotoluene
Concen: 9.132 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.21 min
Lab File: BF118820.D
Acq: 4 Feb 2020 23:57

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	37.4	56.0#
89	1.6	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

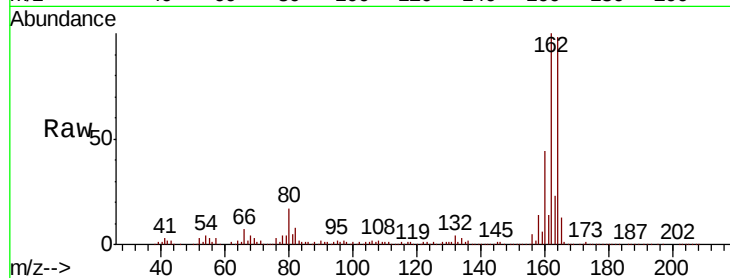




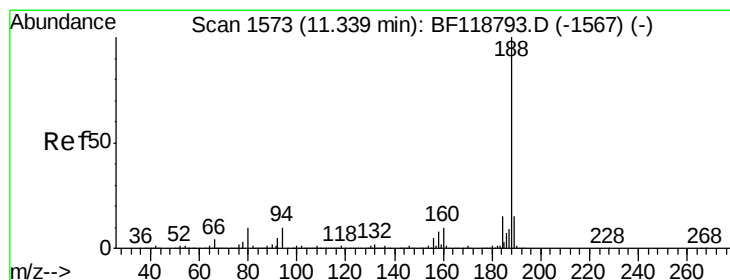
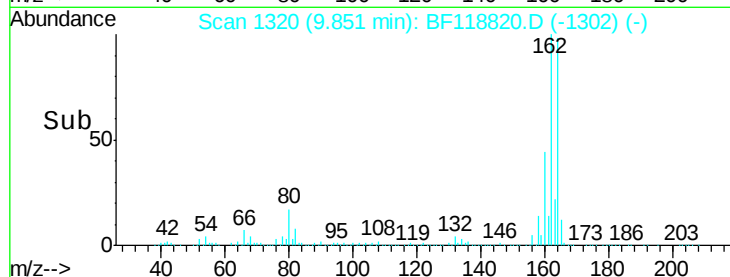
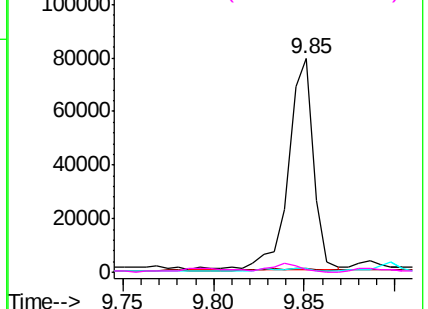
#57
 2,4-Dinitrotoluene
 Concen: 6.901 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.19 min
 Lab File: BF118820.D
 Acq: 4 Feb 2020 23:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:	165	Resp:	76095
Ion	Ratio	Lower	Upper
165	100		
63	1.7	25.5	38.3#
89	1.6	45.4	68.0#
182	1.1	2.4	3.6#

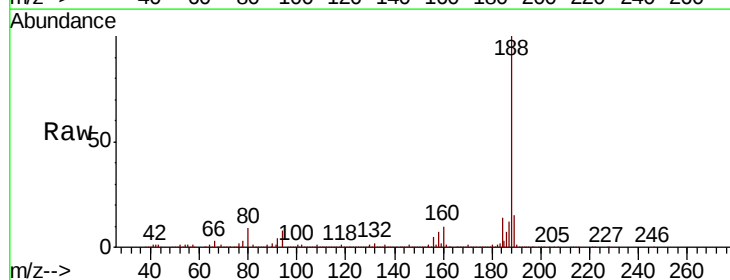


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

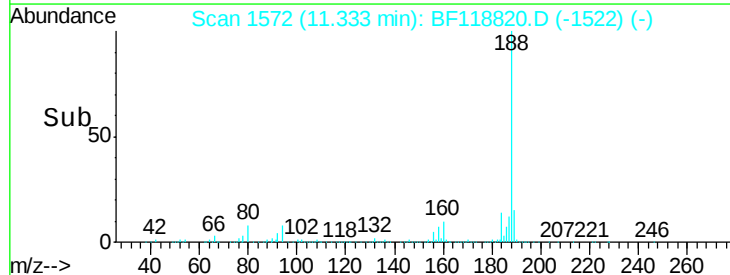
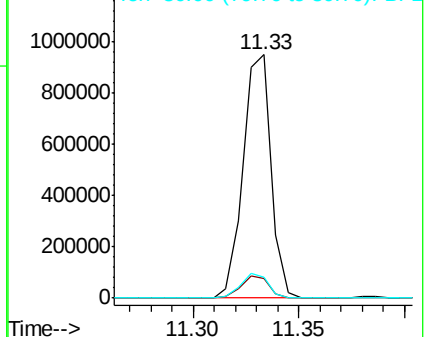


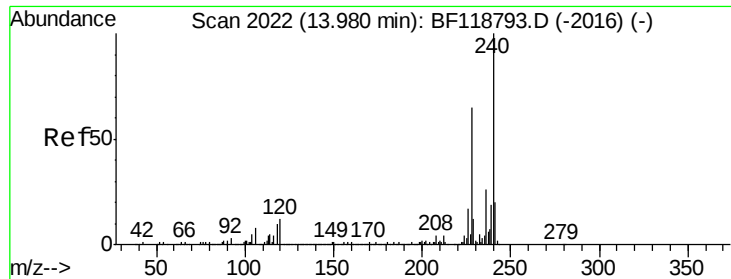
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: BF118820.D
 Acq: 4 Feb 2020 23:57

Tgt Ion:	188	Resp:	867174
Ion	Ratio	Lower	Upper
188	100		
94	7.9	7.9	11.9#
80	8.6	8.4	12.6



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

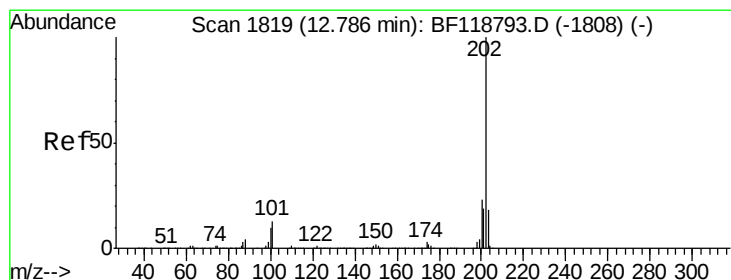
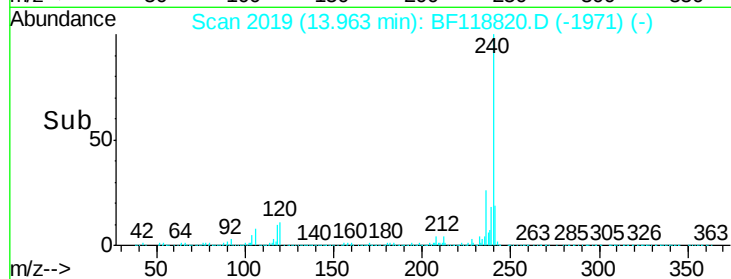
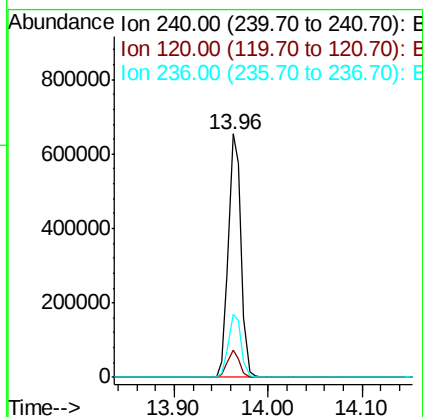
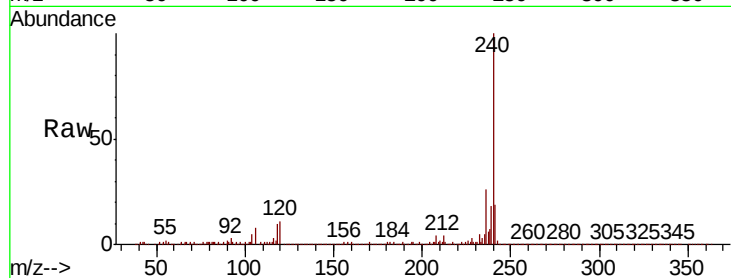




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.02 min
Lab File: BF118820.D
Acq: 4 Feb 2020 23:57

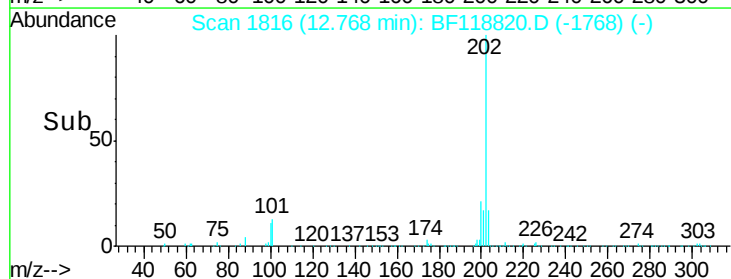
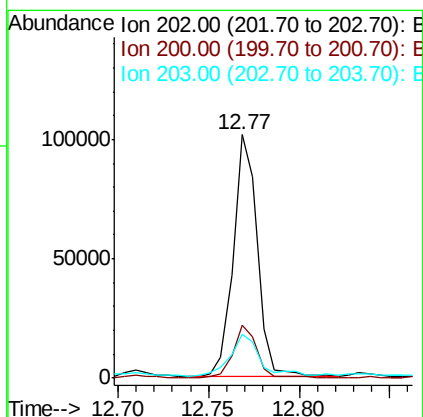
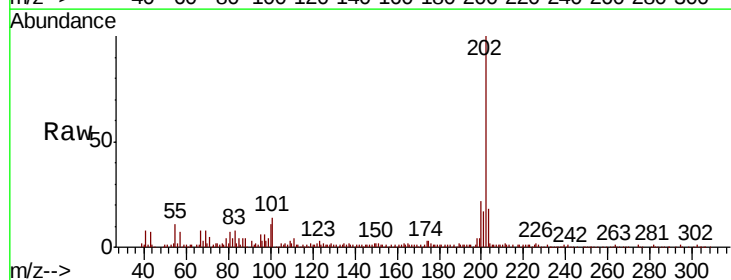
Instrument :
BNA_G
ClientSampleId :

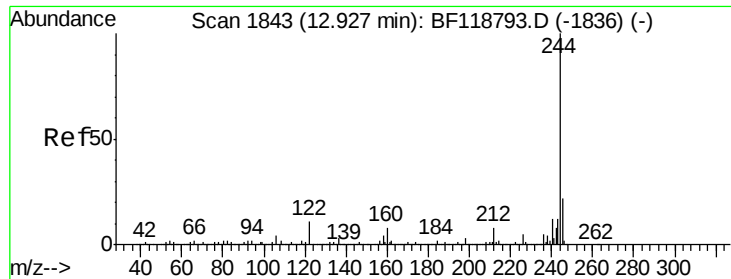
Tot Ion:240 Resp: 609904
Ion Ratio Lower Upper
240 100
120 11.3 9.4 14.0
236 25.8 21.0 31.6



#78
Pyrene
Concen: 2.215 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118820.D
Acq: 4 Feb 2020 23:57

Tgt Ion:202 Resp: 92662
Ion Ratio Lower Upper
202 100
200 21.6 18.2 27.2
203 18.3 14.8 22.2

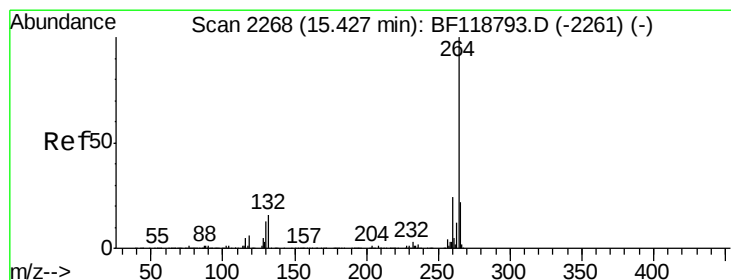
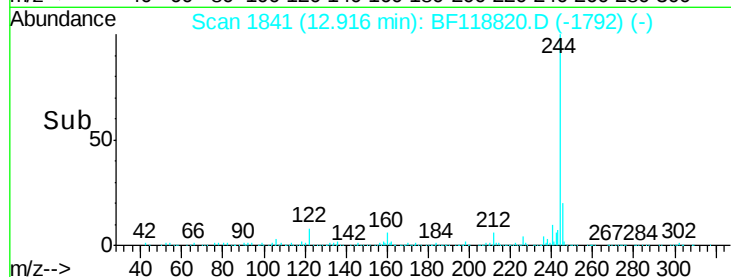
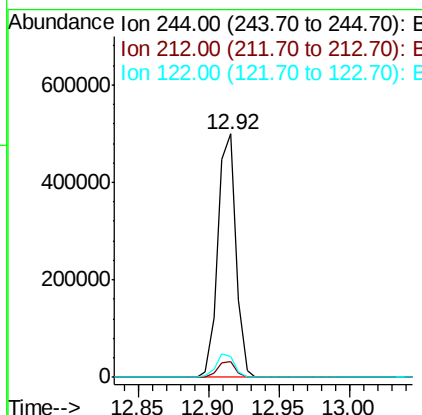
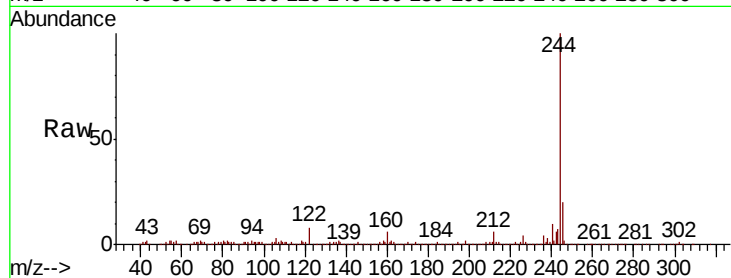




#79
 Terphenyl-d14
 Concen: 14.979 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118820.D
 Acq: 4 Feb 2020 23:57

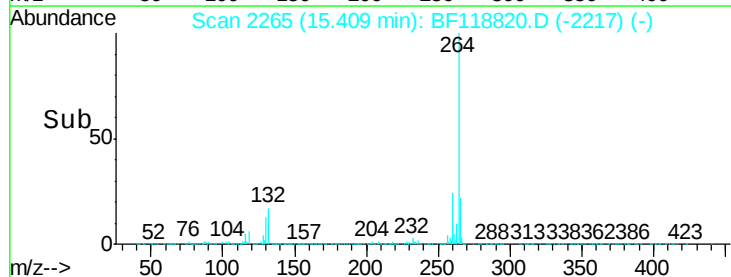
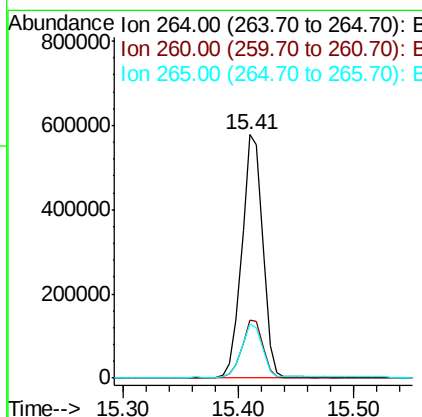
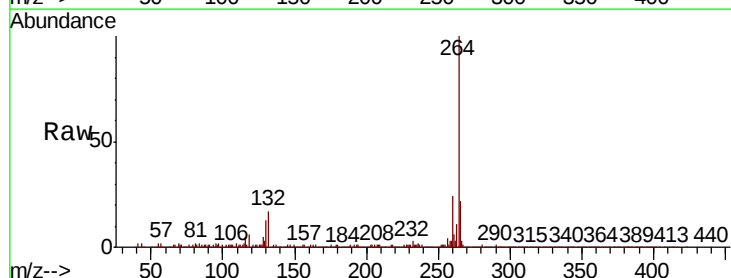
Instrument :
 BNA_G
 ClientSampleId :

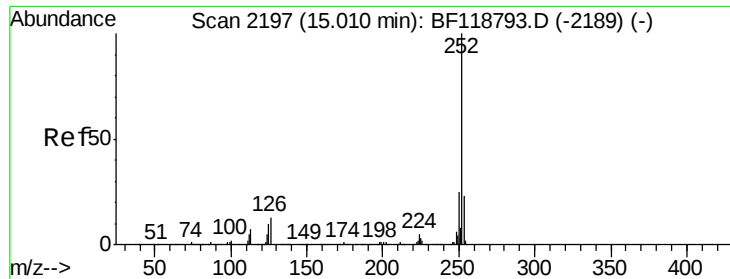
Tot Ion:244 Resp: 444762
 Ion Ratio Lower Upper
 244 100
 212 6.3 6.5 9.7#
 122 8.4 8.9 13.3#



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. -0.02 min
 Lab File: BF118820.D
 Acq: 4 Feb 2020 23:57

Tgt Ion:264 Resp: 722152
 Ion Ratio Lower Upper
 264 100
 260 23.8 19.1 28.7
 265 22.2 17.2 25.8





#88

Benzo(b)fluoranthene

Concen: 2.174 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BF118820.D

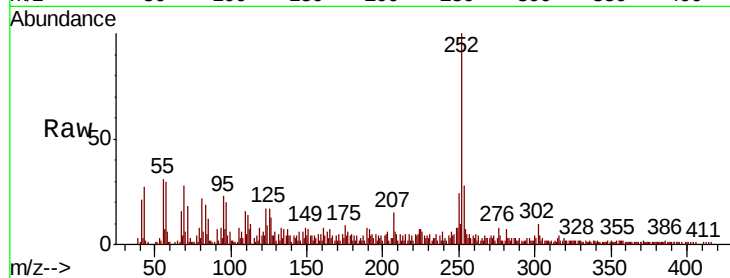
Acq: 4 Feb 2020 23:57

Instrument :

BNA_G

ClientSampleId :

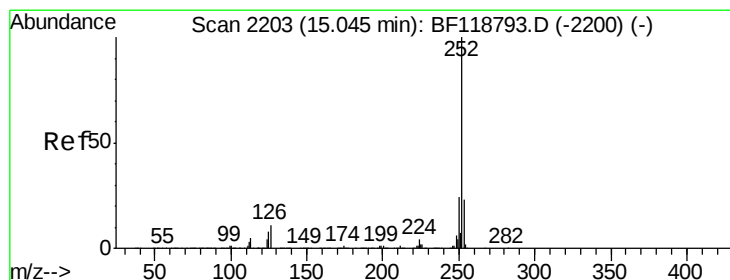
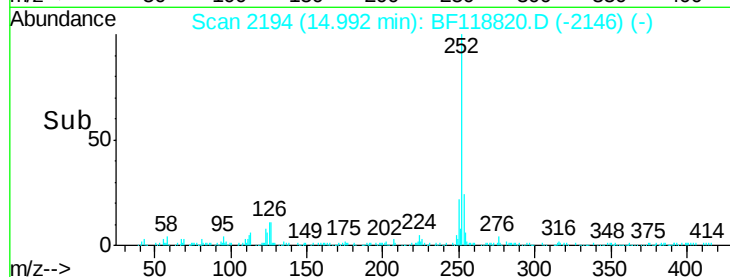
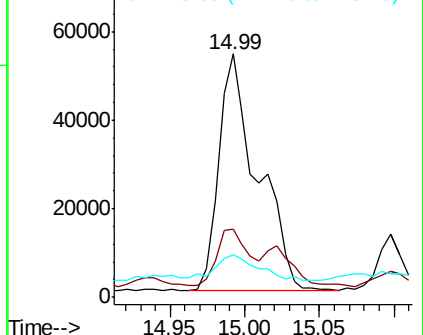
Tot Ion:252	Resp:	97439
Ion Ratio	Lower	Upper
252	100	
253	28.2	18.4 27.6#
125	17.4	8.1 12.1#



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: 2.497 ng

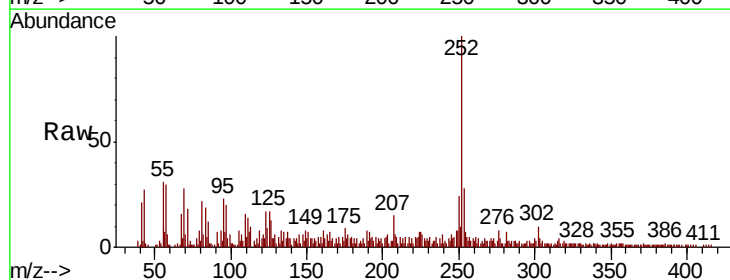
RT: 14.99 min Scan# 2194

Delta R.T. -0.05 min

Lab File: BF118820.D

Acq: 4 Feb 2020 23:57

Tgt Ion:252	Resp:	97439
Ion Ratio	Lower	Upper
252	100	
253	28.2	18.2 27.4#
125	17.4	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

