

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020620\
 Data File : BF118837.D
 Acq On : 6 Feb 2020 15:18
 Operator : CG/JU
 Sample : L1408-06
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 06 17:13:00 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	6.81	152	230998	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	863059	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	505591	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	975566	20.00	ng	0.00
76) Chrysene-d12	13.97	240	722123	20.00	ng	-0.01
87) Perylene-d12	15.42	264	757339	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1249746	102.41	ng	0.00
7) Phenol-d6	6.45	99	1518260	100.23	ng	0.00
23) Nitrobenzene-d5	7.37	82	978083	67.55	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	616697	101.94	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2097046	74.15	ng	-0.01
79) Terphenyl-d14	12.92	244	2675552	76.10	ng	-0.01

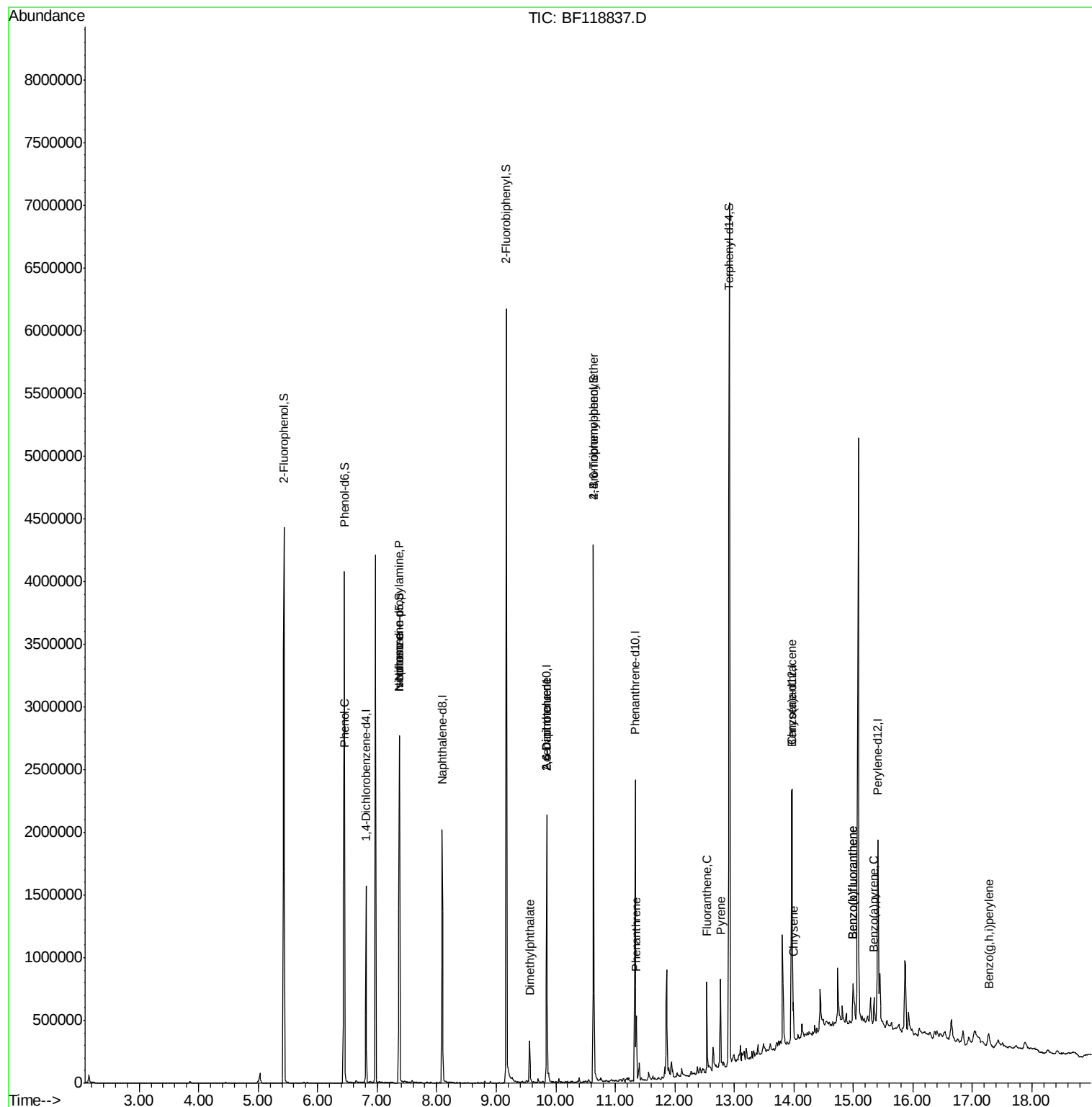
Target Compounds				Qvalue		
9) Benzaldehyde	6.36	77	277	Below Cal	#	80
10) Phenol	6.46	94	52371	3.109 ng		92
19) n-Nitroso-di-n-propylamine	7.37	70	133088	14.359 ng	#	77
25) Isophorone	7.37	82	978065	37.585 ng	#	63
50) Dimethylphthalate	9.56	163	158627	4.608 ng		97
51) 2,6-Dinitrotoluene	9.85	165	66423	8.433 ng	#	31
57) 2,4-Dinitrotoluene	9.85	165	66567	6.386 ng	#	34
67) 4-Bromophenyl-phenylether	10.63	248	39924	3.459 ng	#	1
71) Phenanthrene	11.35	178	188013	3.917 ng		97
75) Fluoranthene	12.54	202	269476	5.142 ng		99
78) Pyrene	12.77	202	276690	5.585 ng		97
81) Benzo(a)anthracene	13.96	228	130897	3.046 ng		95
83) Chrysene	13.99	228	132172	3.065 ng		97
88) Benzo(b)fluoranthene	14.99	252	213769	4.549 ng	#	97
89) Benzo(k)fluoranthene	14.99	252	213769	5.224 ng	#	97
90) Benzo(a)pyrene	15.35	252	122061	3.035 ng		98
92) Benzo(a,h,i)perylene	17.27	276	82586	2.405 ng		98

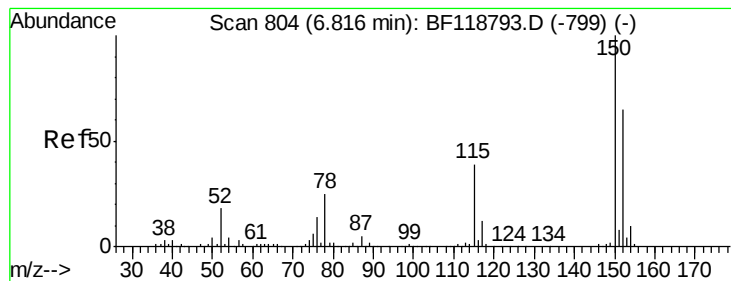
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 03 16:26:03 2020
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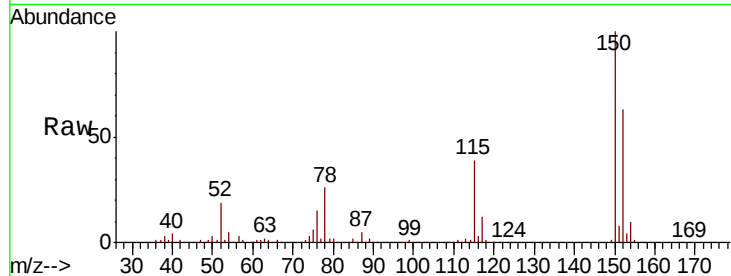


#1

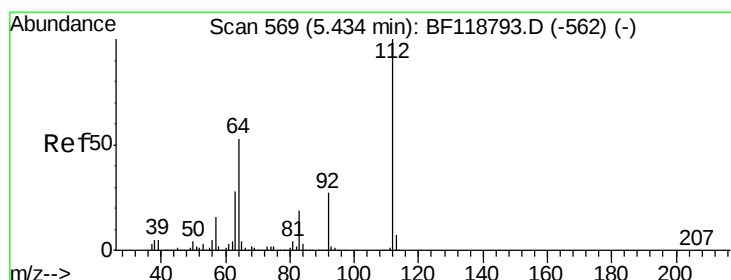
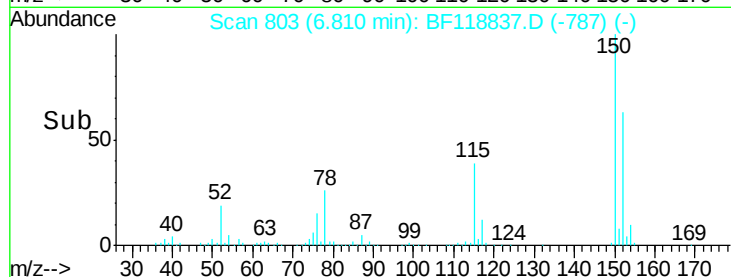
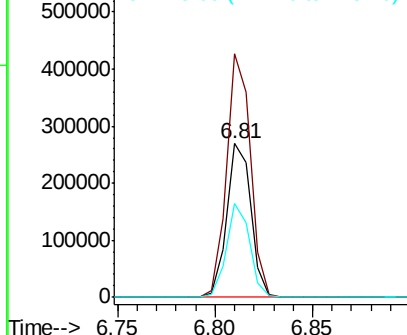
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 230998
Ion Ratio Lower Upper
152 100
150 158.3 123.6 185.4
115 61.4 48.2 72.2



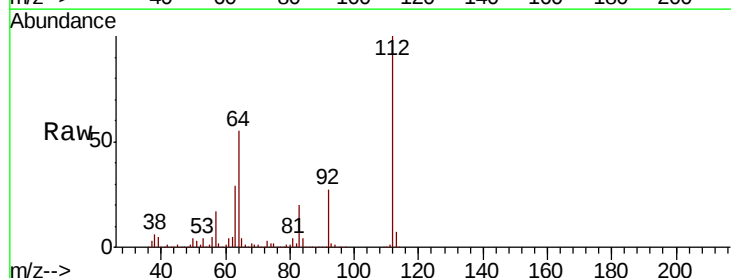
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



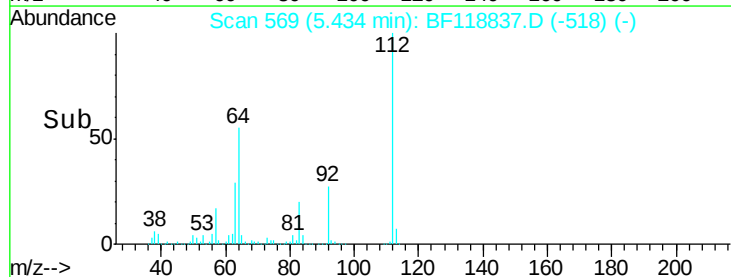
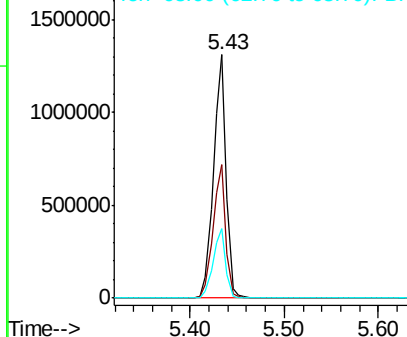
#5

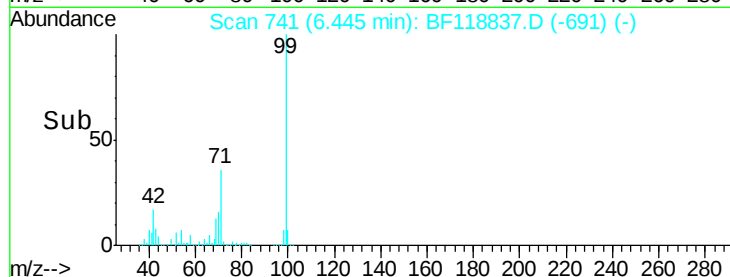
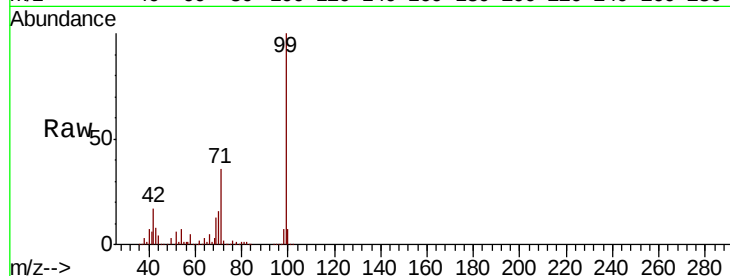
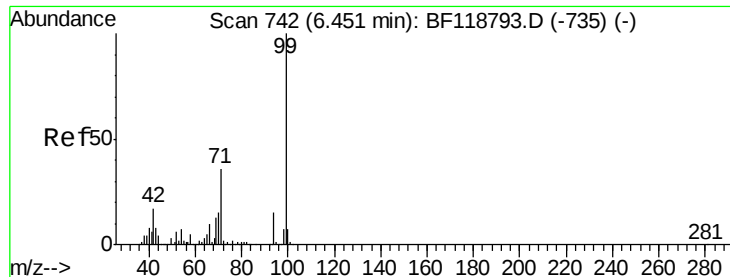
2-Fluorophenol
Concen: 102.411 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

Tgt Ion:112 Resp: 1249746
Ion Ratio Lower Upper
112 100
64 54.9 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: 100.225 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118837.D

Acq: 6 Feb 2020 15:18

Instrument :

BNA_F

ClientSampleId :

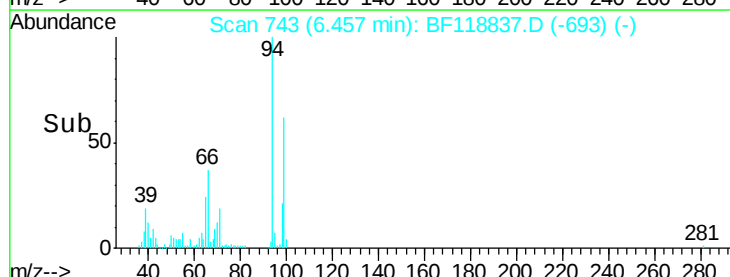
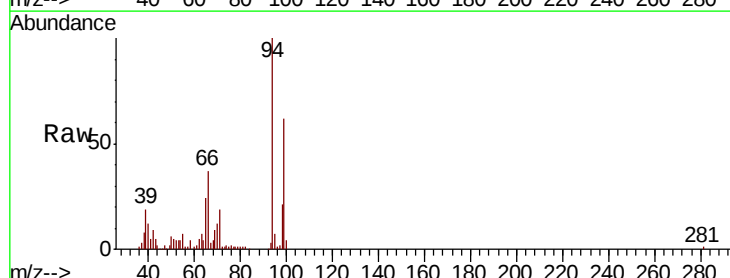
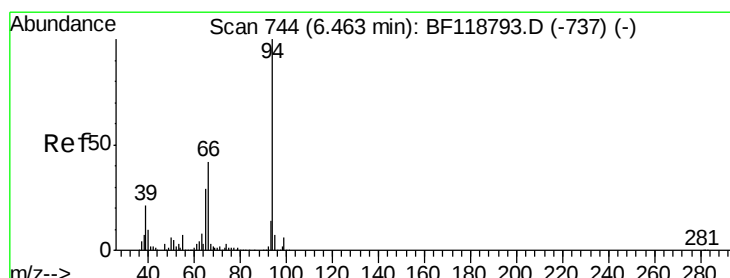
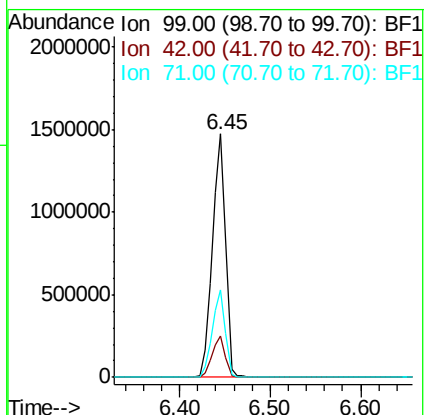
Tot Ion: 99 Resp: 1518260

Ion Ratio Lower Upper

99 100

42 17.1 13.4 20.0

71 36.1 29.0 43.6



#10

Phenol

Concen: 3.109 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.01 min

Lab File: BF118837.D

Acq: 6 Feb 2020 15:18

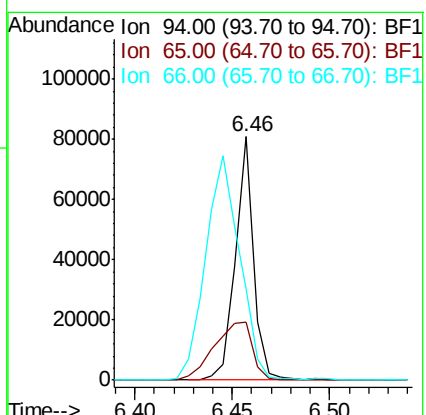
Tgt Ion: 94 Resp: 52371

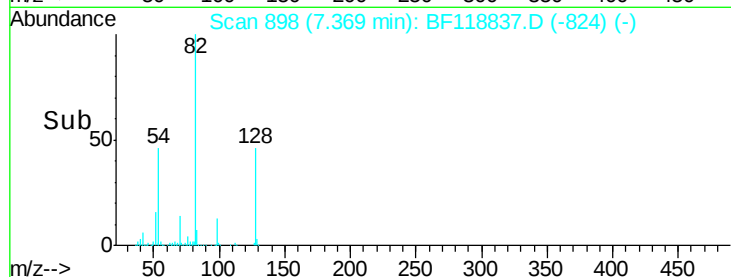
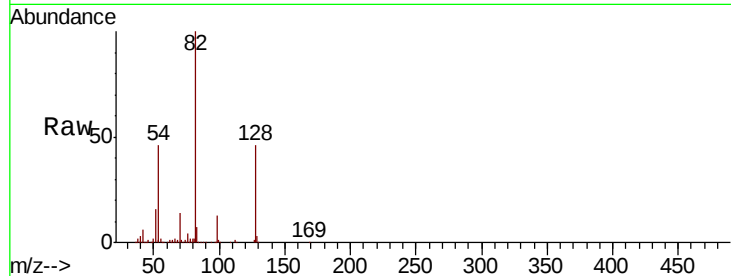
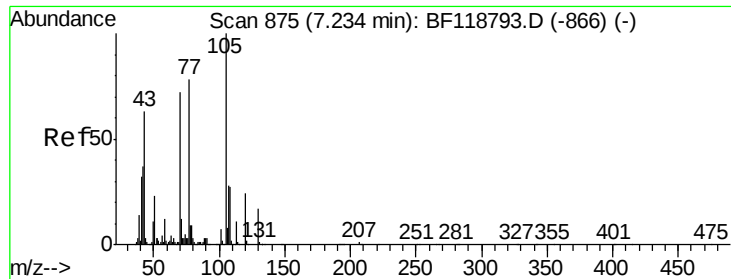
Ion Ratio Lower Upper

94 100

65 23.9 9.1 49.1

66 37.5 21.7 61.7

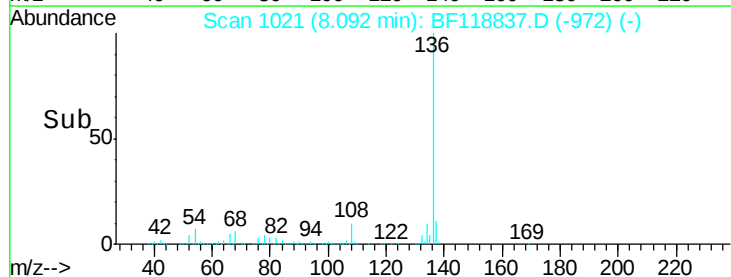
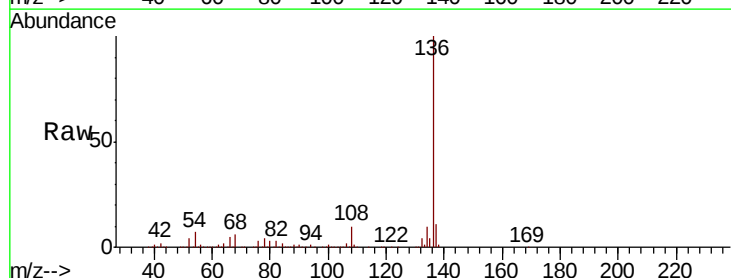
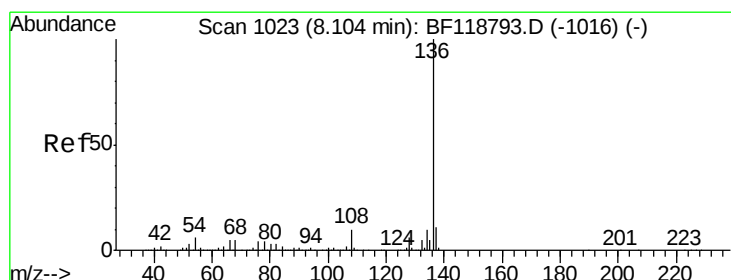
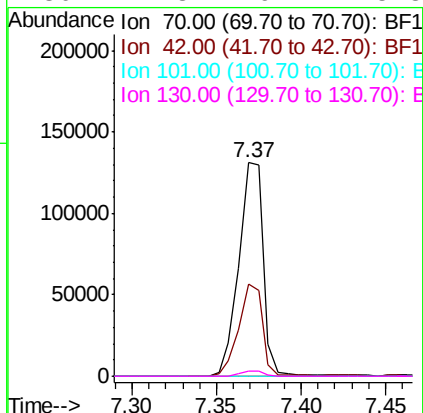




#19
n-Nitroso-di-n-propylamine
Concen: 14.359 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

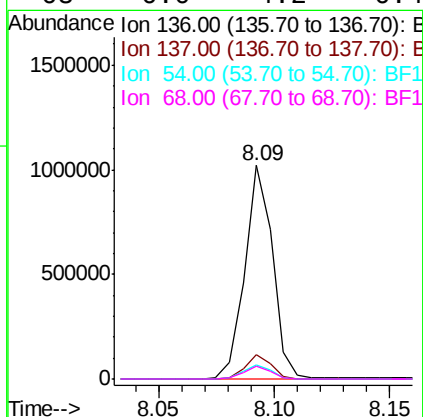
Instrument :
BNA_F
ClientSampleId :

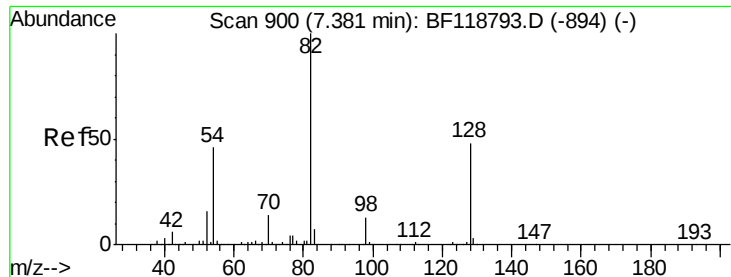
Tot Ion	Ratio	Lower	Upper
70	100		
42	43.2	41.5	62.3
101	0.0	8.3	12.5#
130	2.3	19.2	28.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

Tgt Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	6.8	5.0	7.6
68	6.0	4.2	6.4

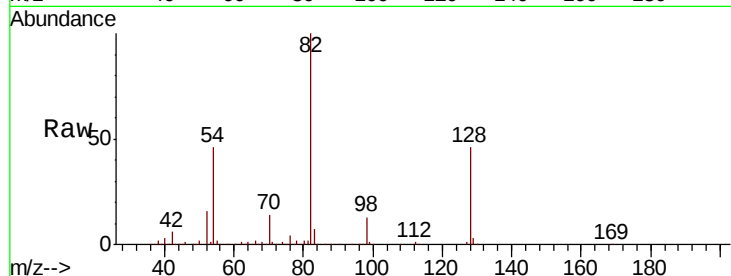




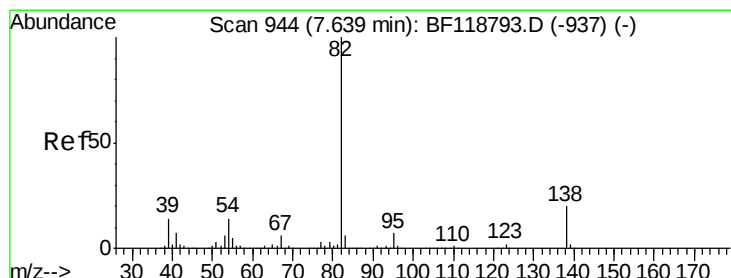
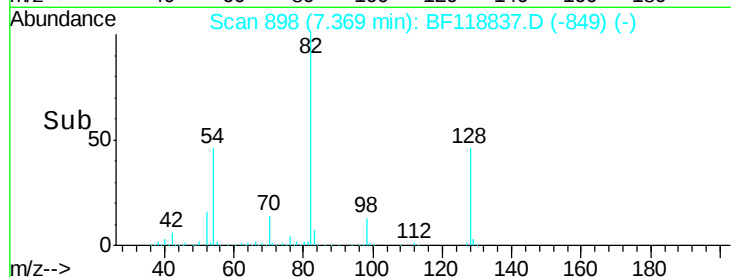
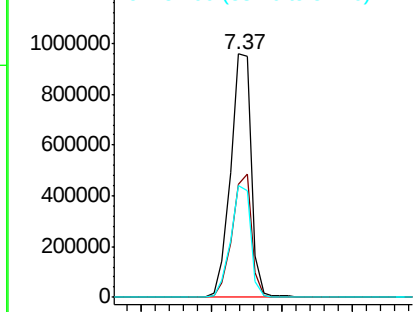
#23
 Nitrobenzene-d5
 Concen: 67.549 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF118837.D
 Acq: 6 Feb 2020 15:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	82	Resp	978083
Ion Ratio	Lower	Upper	
82	100		
128	46.2	38.5	57.7
54	45.8	36.7	55.1

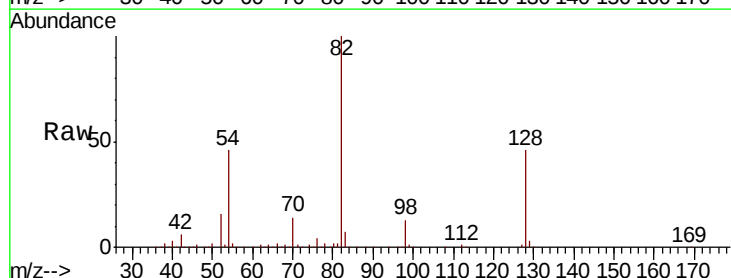


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

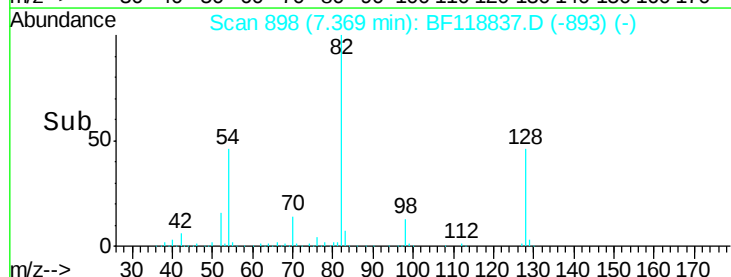
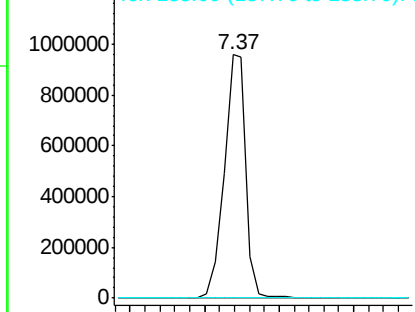


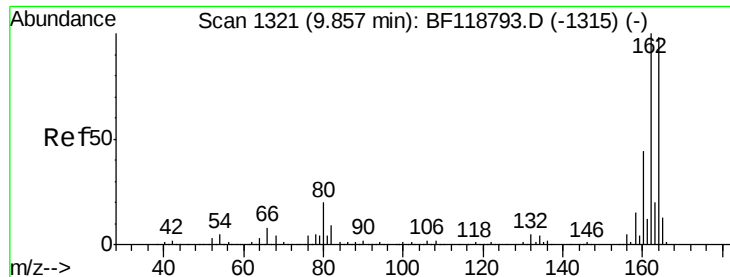
#25
 Isophorone
 Concen: 37.585 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.27 min
 Lab File: BF118837.D
 Acq: 6 Feb 2020 15:18

Tgt Ion	82	Resp	978065
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): BF1

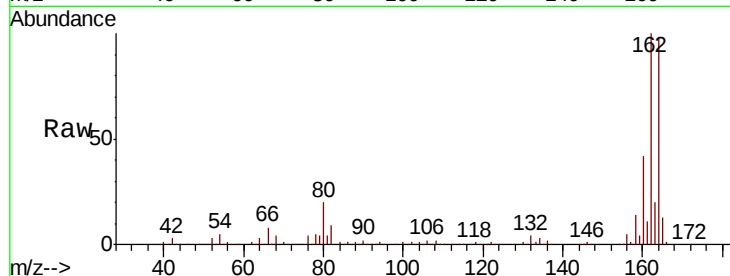




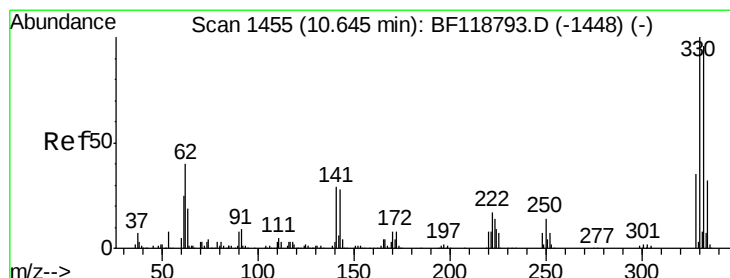
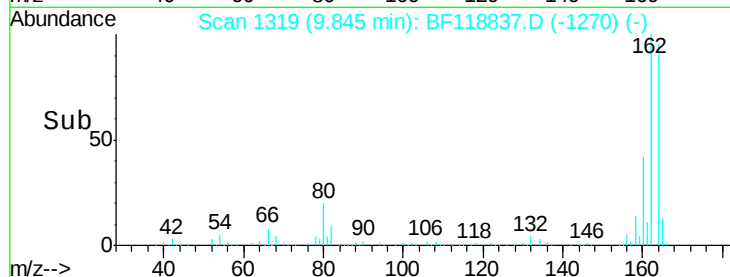
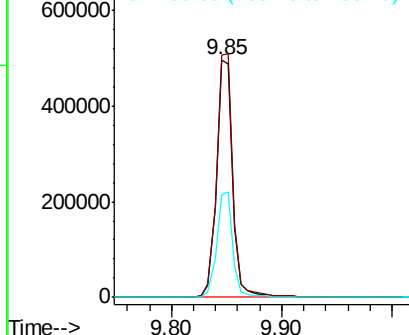
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF118837.D
 Acq: 6 Feb 2020 15:18

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:164 Resp: 505591
 Ion Ratio Lower Upper
 164 100
 162 102.2 81.4 122.2
 160 43.3 35.6 53.4

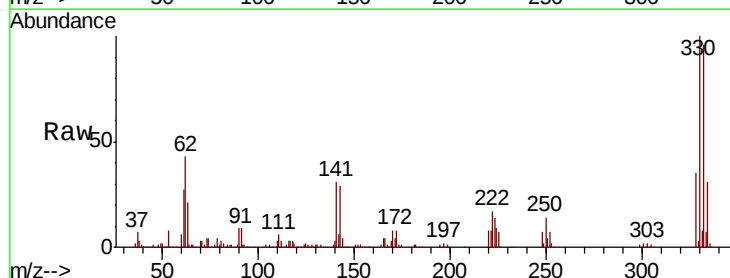


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

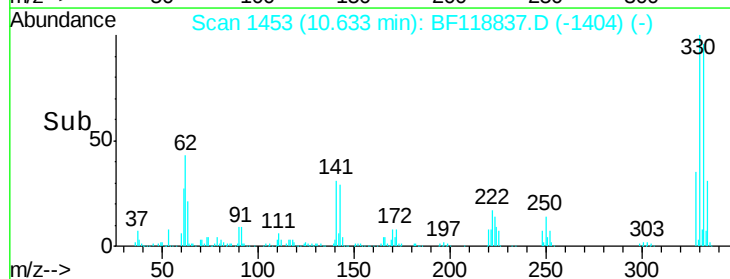
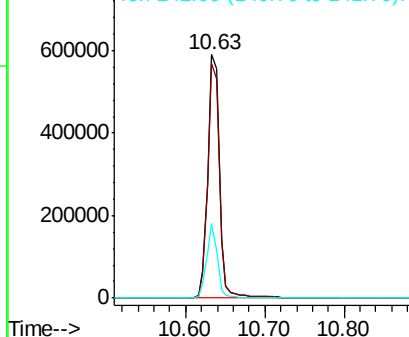


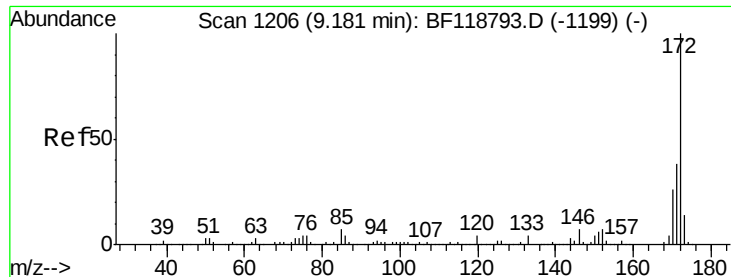
#42
 2,4,6-Tribromophenol
 Concen: 101.941 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF118837.D
 Acq: 6 Feb 2020 15:18

Tgt Ion:330 Resp: 616697
 Ion Ratio Lower Upper
 330 100
 332 96.5 77.3 115.9
 141 28.3 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

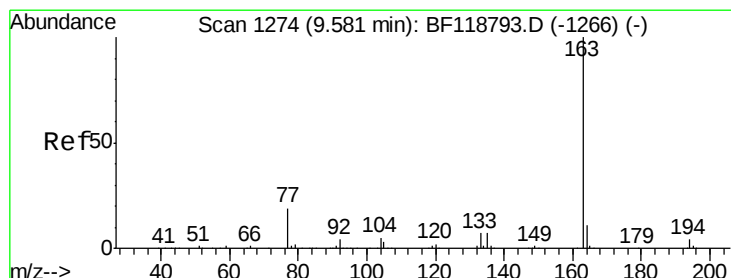
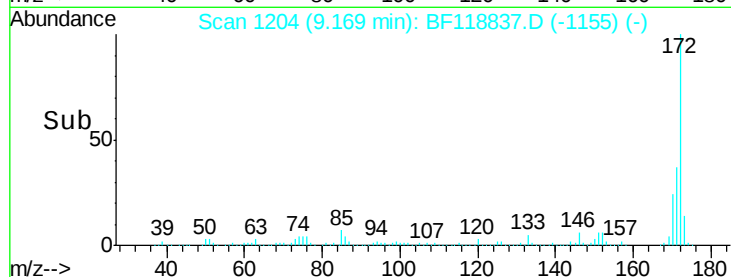
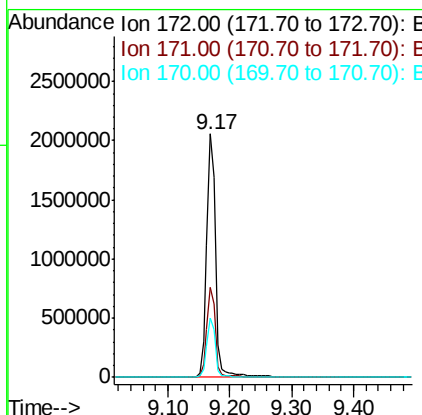
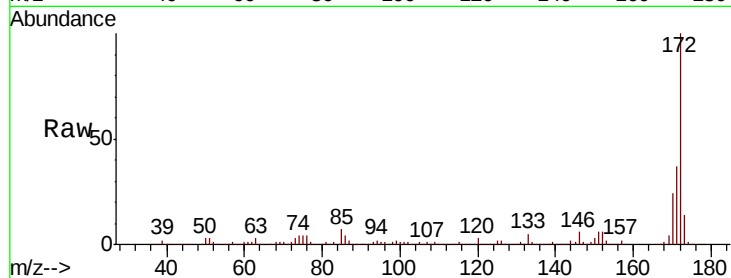




#45
2-Fluorobiphenyl
Concen: 74.148 ng
RT: 9.17 min Scan# 1204
Delta R.T. -0.01 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

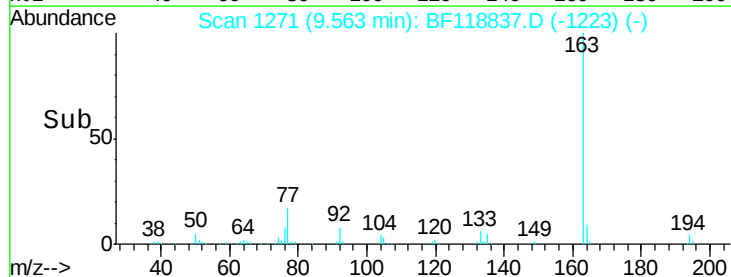
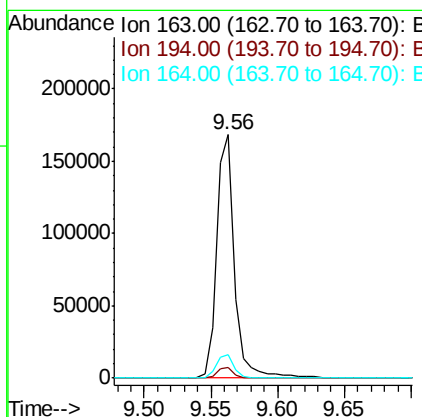
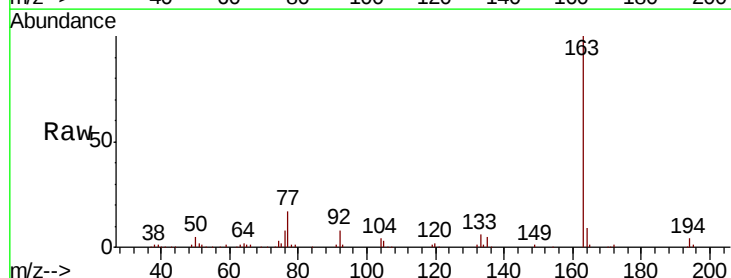
Instrument :
BNA_F
ClientSampleId :

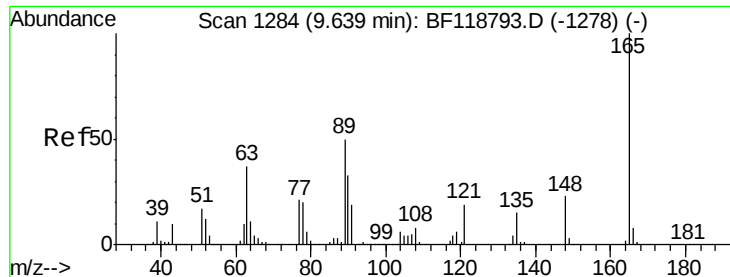
Tot Ion:172 Resp: 2097046
Ion Ratio Lower Upper
172 100
171 36.9 30.8 46.2
170 24.3 20.5 30.7



#50
Dimethylphthalate
Concen: 4.608 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

Tgt Ion:163 Resp: 158627
Ion Ratio Lower Upper
163 100
194 4.3 3.6 5.4
164 9.5 8.7 13.1





#51

2,6-Dinitrotoluene

Concen: 8.433 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF118837.D

Acq: 6 Feb 2020 15:18

Instrument :

BNA_F

ClientSampleId :

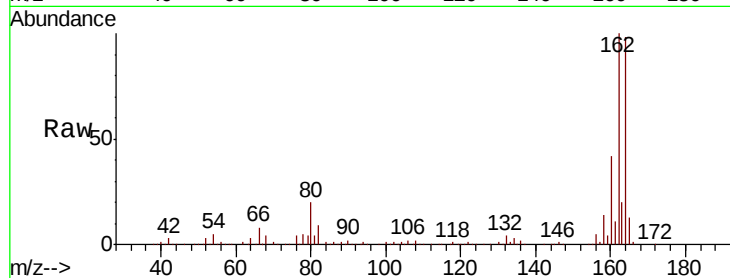
Tot Ion:165 Resp: 66423

Ion Ratio Lower Upper

165 100

63 1.2 37.4 56.0#

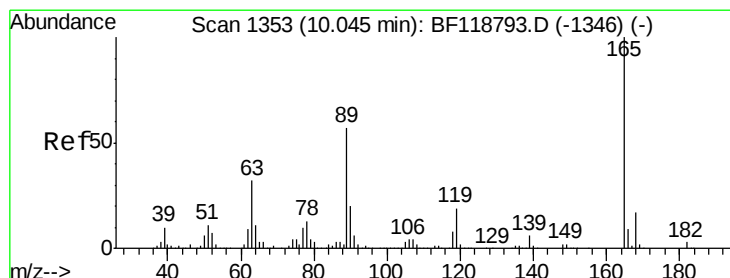
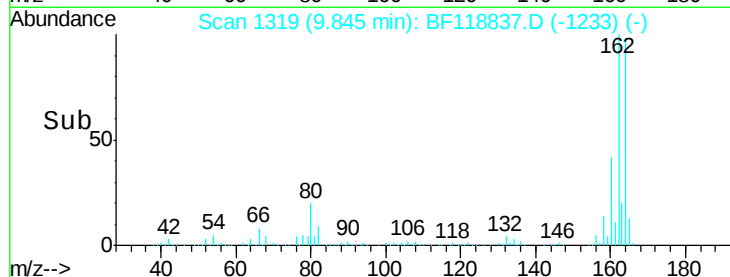
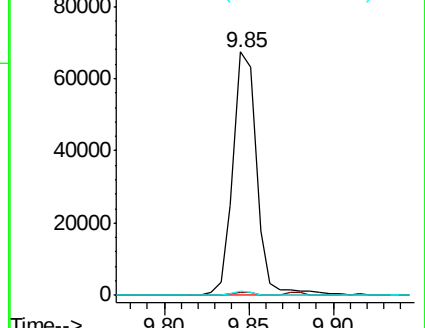
89 1.5 39.7 59.5#



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: 6.386 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.20 min

Lab File: BF118837.D

Acq: 6 Feb 2020 15:18

Tgt Ion:165 Resp: 66567

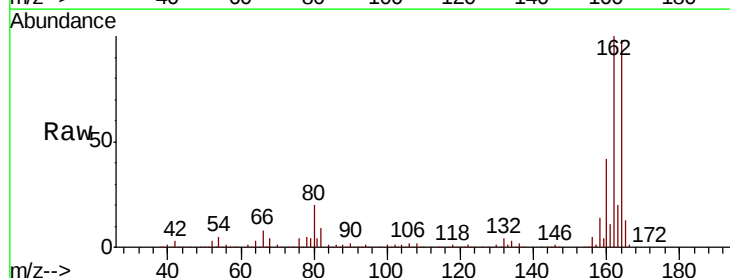
Ion Ratio Lower Upper

165 100

63 1.2 25.5 38.3#

89 1.5 45.4 68.0#

182 0.0 2.4 3.6#

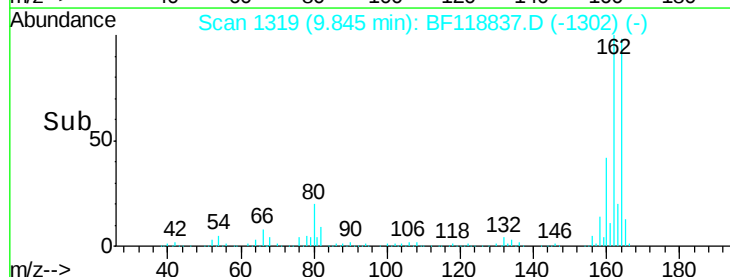
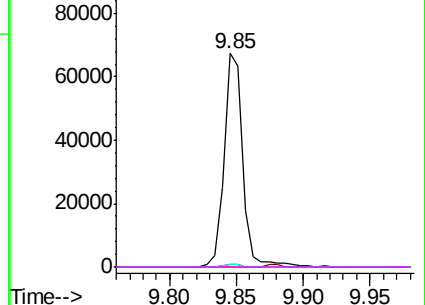


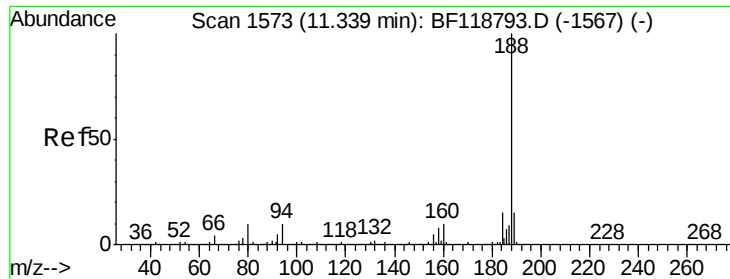
Abundance Ion 165.00 (164.70 to 165.70): E

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

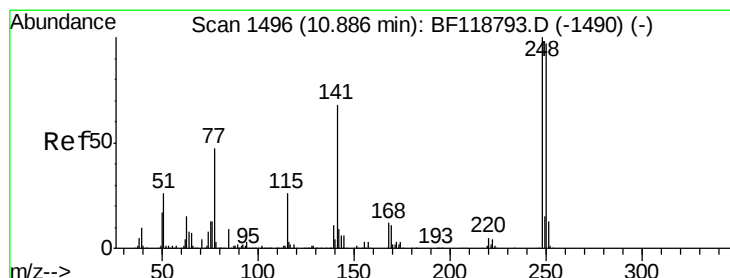
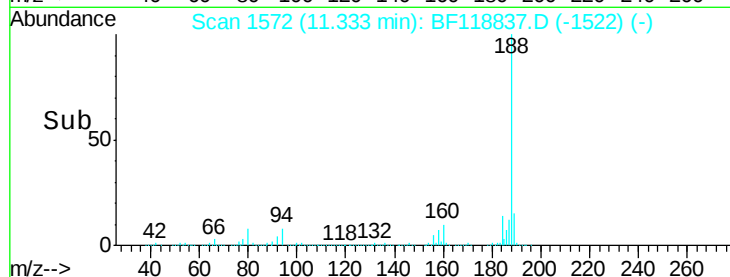
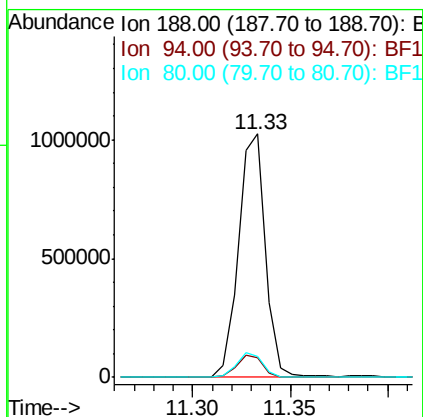
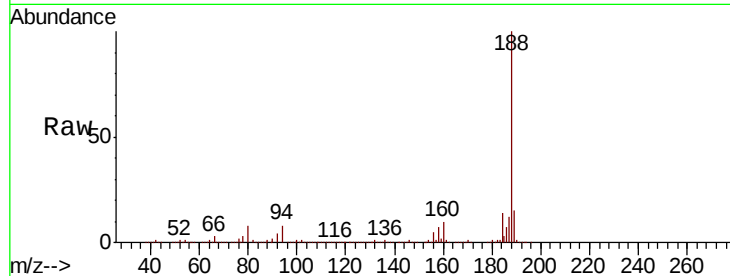




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

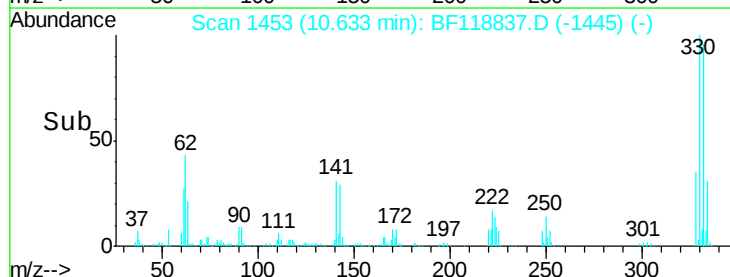
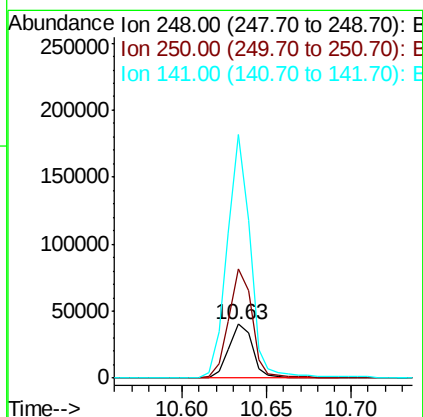
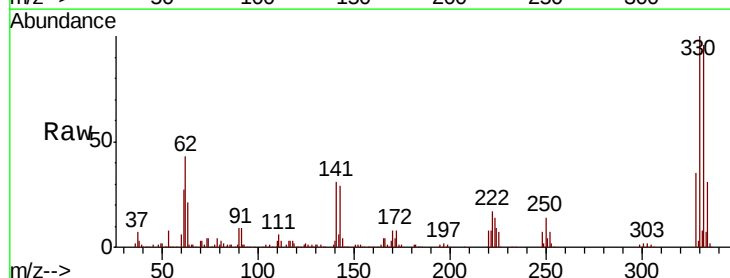
Instrument :
BNA_F
ClientSampleId :

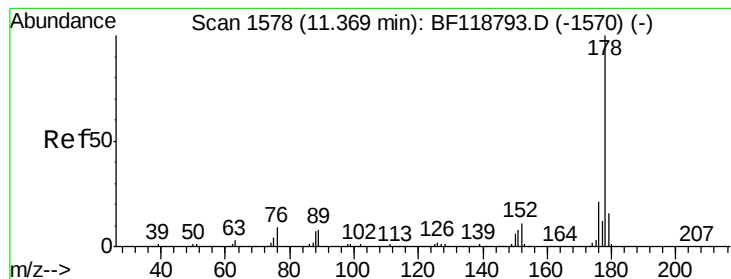
Tot Ion:188 Resp: 975566
Ion Ratio Lower Upper
188 100
94 8.2 7.9 11.9
80 8.4 8.4 12.6#



#67
4-Bromophenyl-phenylether
Concen: 3.459 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

Tgt Ion:248 Resp: 39924
Ion Ratio Lower Upper
248 100
250 201.6 77.6 116.4#
141 451.4 54.4 81.6#





#71

Phenanthrene

Concen: 3.917 ng

RT: 11.35 min Scan# 1575

Delta R.T. -0.02 min

Lab File: BF118837.D

Acq: 6 Feb 2020 15:18

Instrument :

BNA_F

ClientSampled :

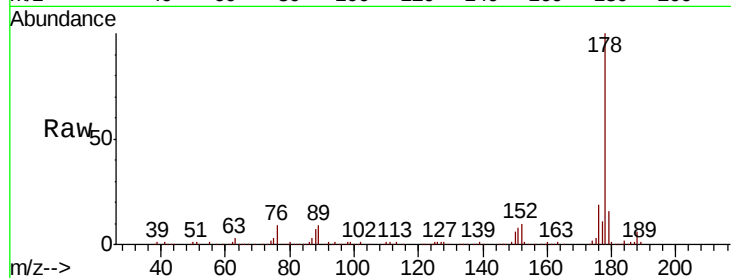
Tot Ion:178 Resp: 188013

Ion Ratio Lower Upper

178 100

176 18.8 16.6 24.8

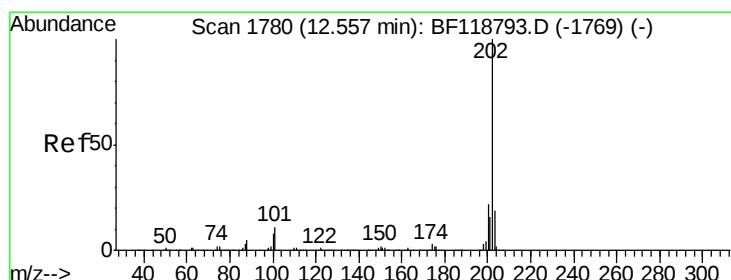
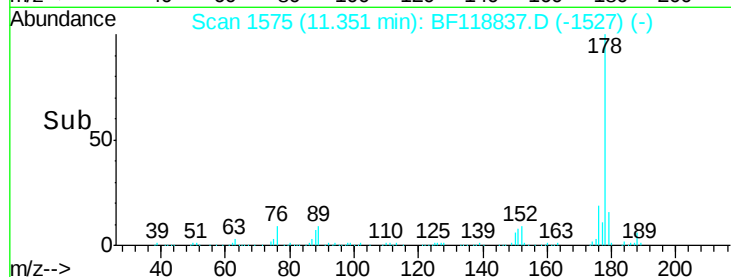
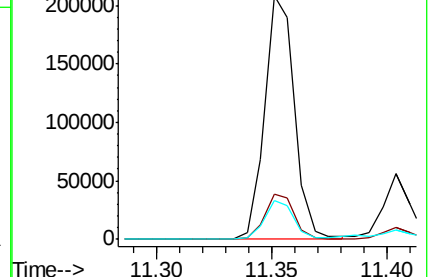
179 15.7 13.2 19.8



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: 5.142 ng

RT: 12.54 min Scan# 1777

Delta R.T. -0.02 min

Lab File: BF118837.D

Acq: 6 Feb 2020 15:18

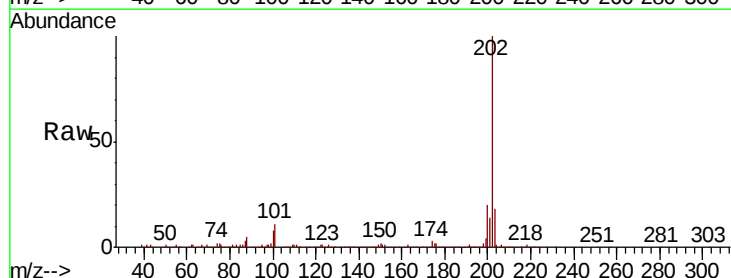
Tgt Ion:202 Resp: 269476

Ion Ratio Lower Upper

202 100

101 11.1 0.0 31.0

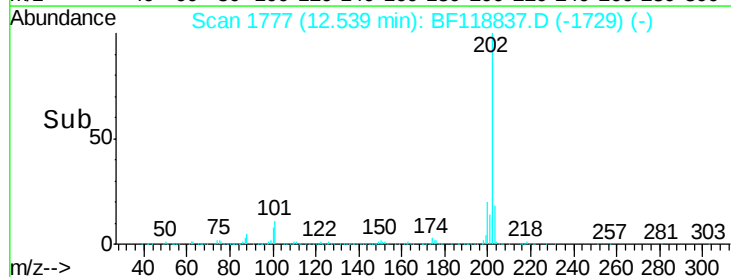
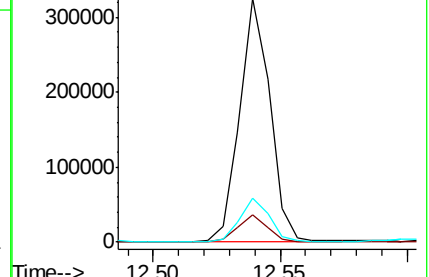
203 17.9 0.0 38.7

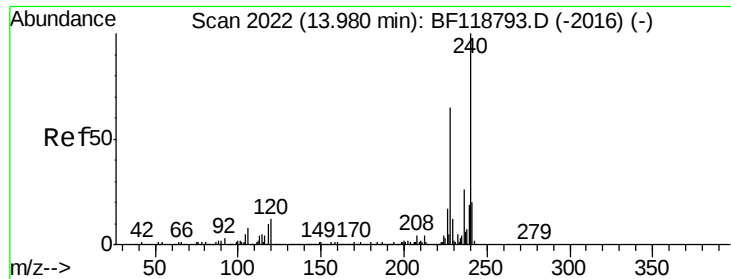


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

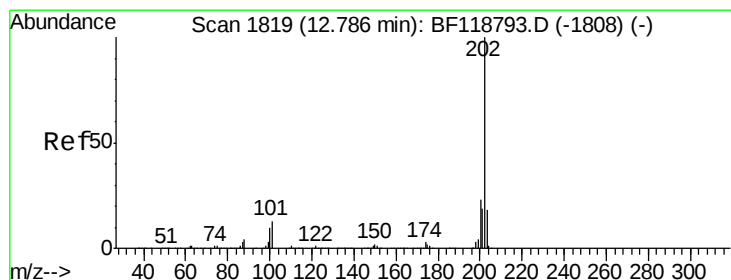
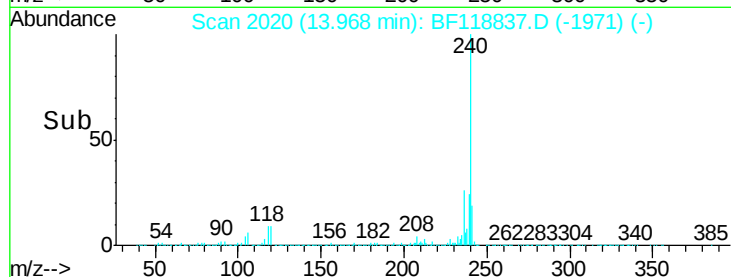
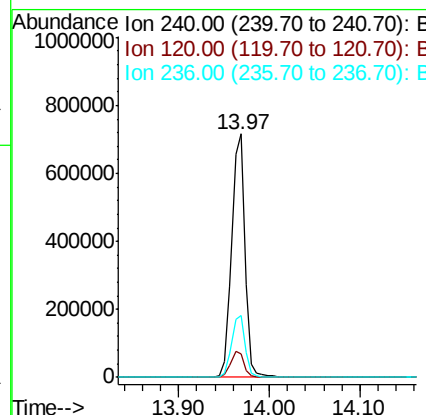
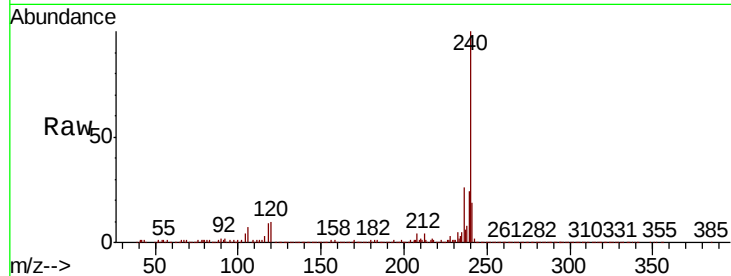




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.01 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

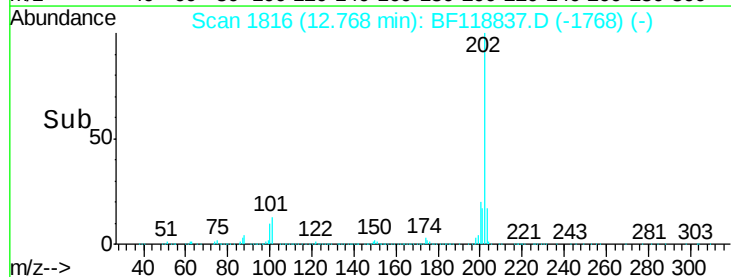
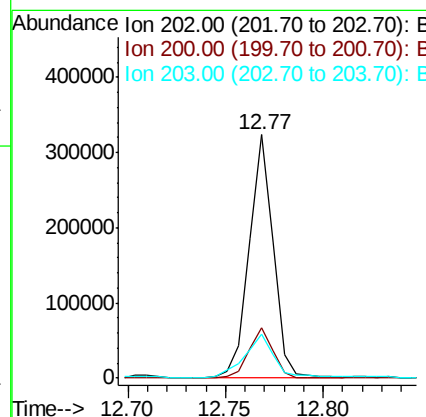
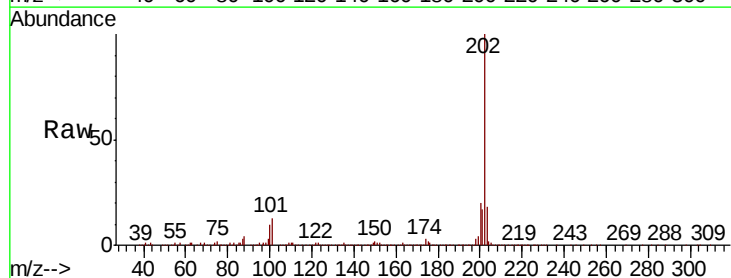
Instrument :
BNA_F
ClientSampleId :

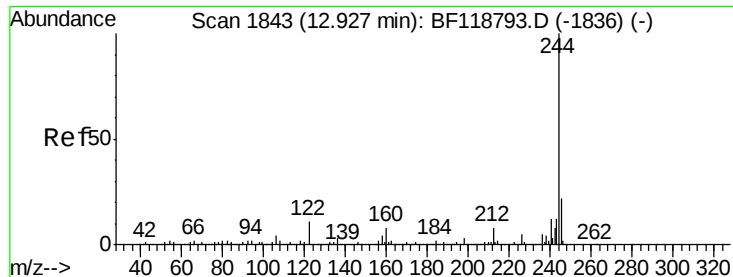
Tot Ion	Ratio	Lower	Upper
240	100		
120	9.5	9.4	14.0
236	25.6	21.0	31.6



#78
Pyrene
Concen: 5.585 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.4	18.2	27.2
203	17.8	14.8	22.2

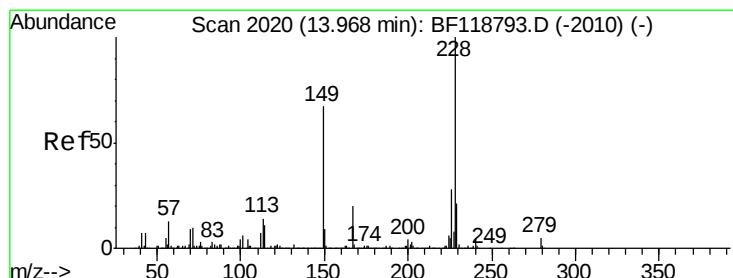
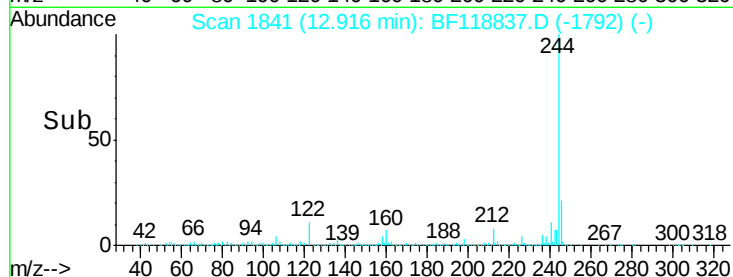
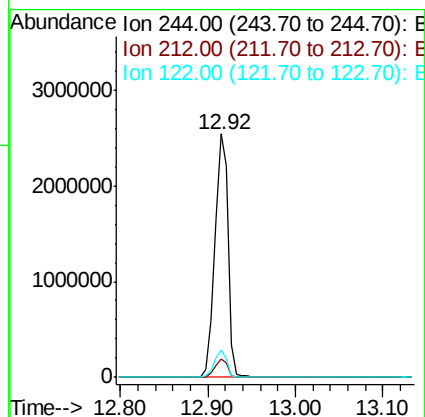
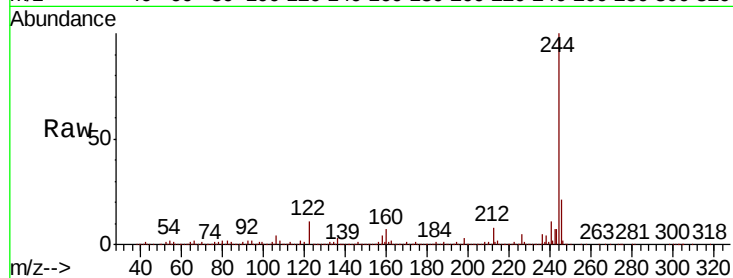




#79
 Terphenyl-d14
 Concen: 76.105 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118837.D
 Acq: 6 Feb 2020 15:18

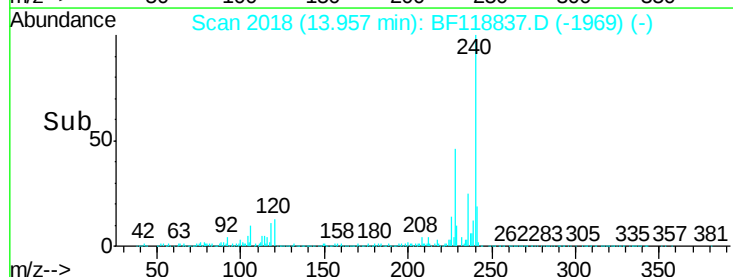
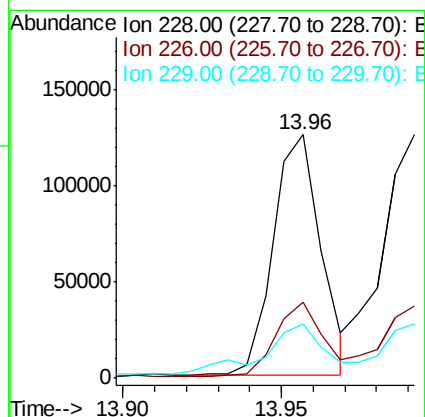
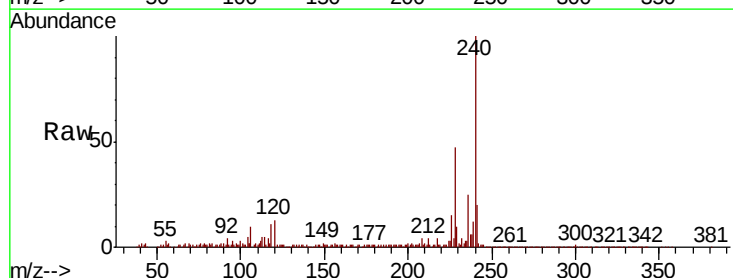
Instrument :
 BNA_F
 ClientSampleId :

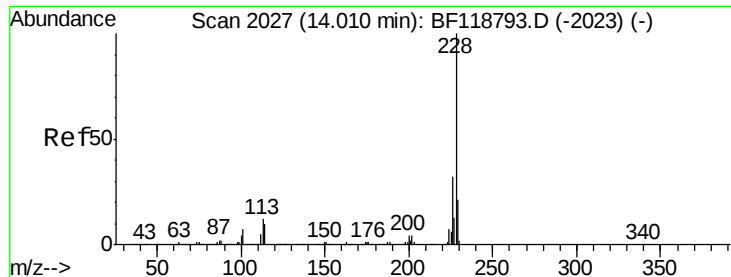
Tot Ion:244 Resp: 2675552
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.5 9.7
 122 11.0 8.9 13.3



#81
 Benzo(a)anthracene
 Concen: 3.046 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF118837.D
 Acq: 6 Feb 2020 15:18

Tgt Ion:228 Resp: 130897
 Ion Ratio Lower Upper
 228 100
 226 31.4 22.7 34.1
 229 22.2 16.6 25.0

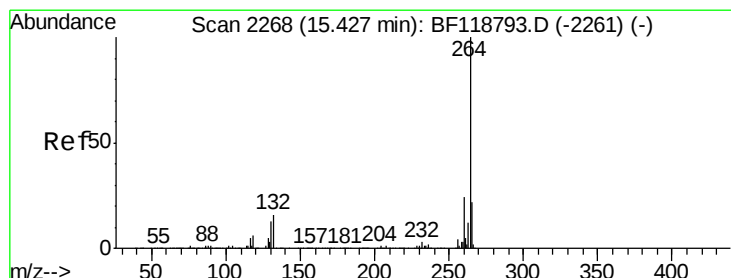
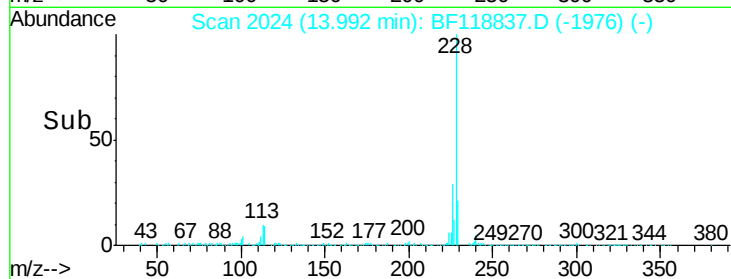
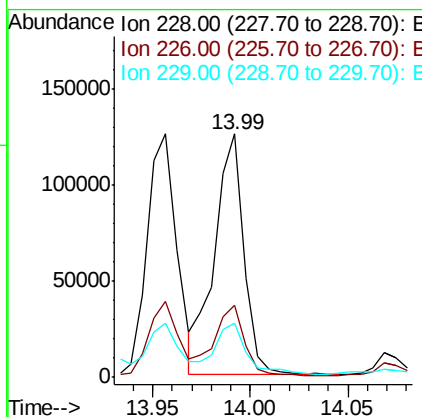
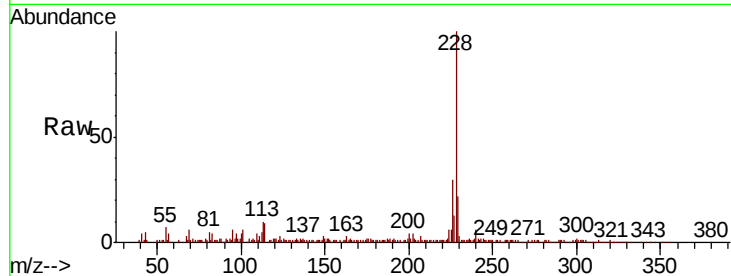




#83
Chrysene
Concen: 3.065 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

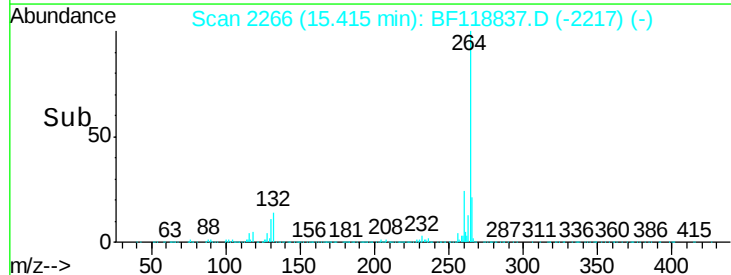
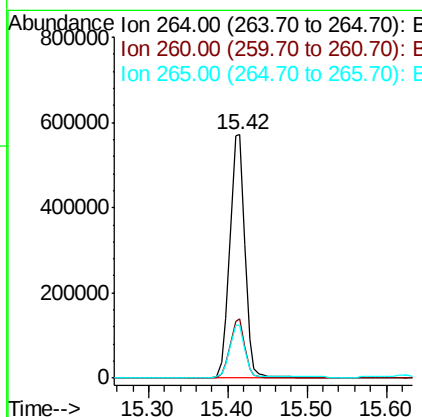
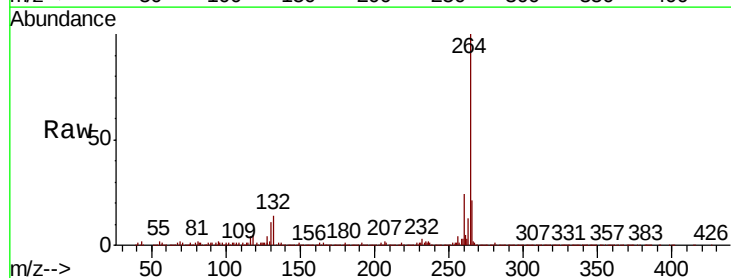
Instrument :
BNA_F
ClientSampleId :

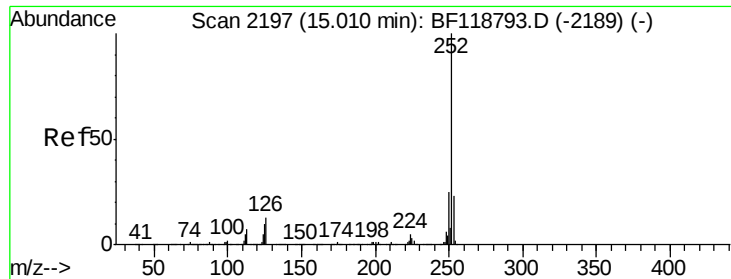
Tot Ion	Ratio	Lower	Upper
228	100		
226	29.6	25.4	38.0
229	22.3	16.9	25.3



#87
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.1	28.7
265	21.5	17.2	25.8

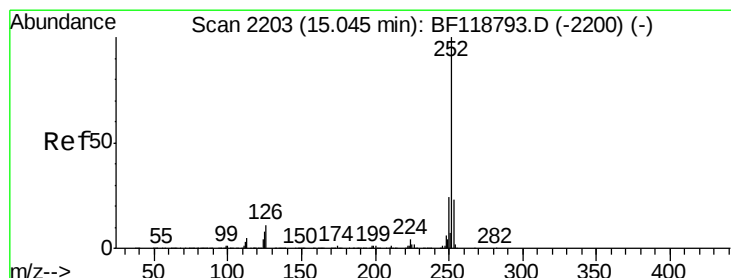
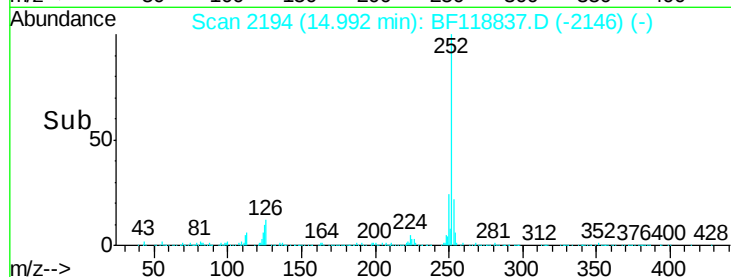
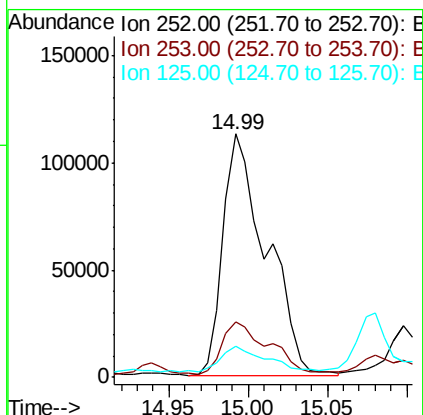
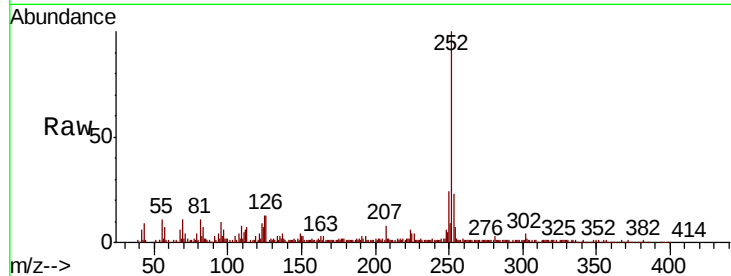




#88
Benzo(b)fluoranthene
Concen: 4.549 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.02 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

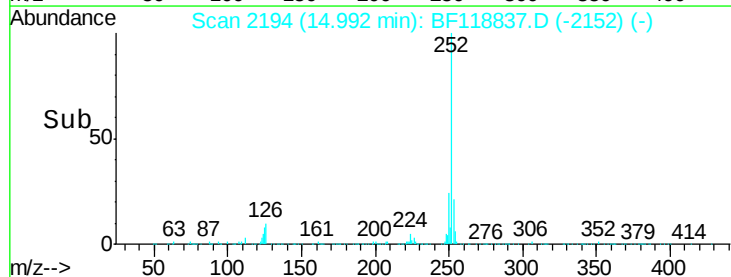
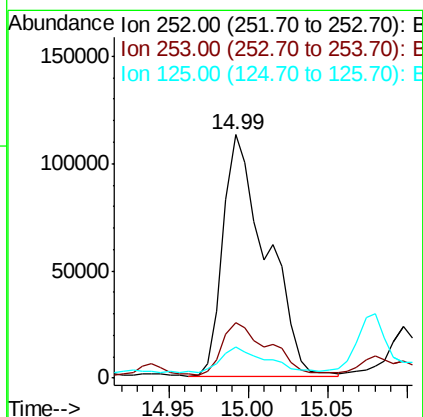
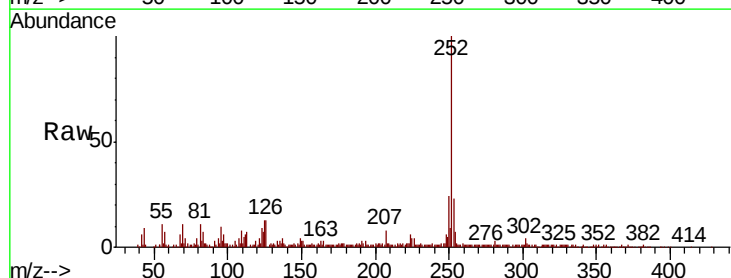
Instrument :
BNA_F
ClientSampleId :

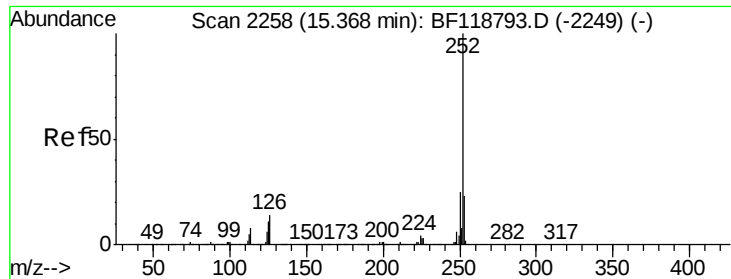
Tot Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.4	27.6
125	12.8	8.1	12.1#



#89
Benzo(k)fluoranthene
Concen: 5.224 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.05 min
Lab File: BF118837.D
Acq: 6 Feb 2020 15:18

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.4
125	12.8	7.0	10.6#





#90

Benzo(a)pyrene

Concen: 3.035 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.02 min

Lab File: BF118837.D

Acq: 6 Feb 2020 15:18

Instrument :

BNA_F

ClientSampleId :

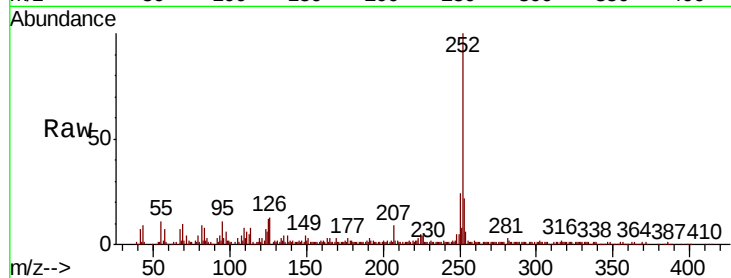
Tot Ion:252 Resp: 122061

Ion Ratio Lower Upper

252 100

253 21.6 18.1 27.1

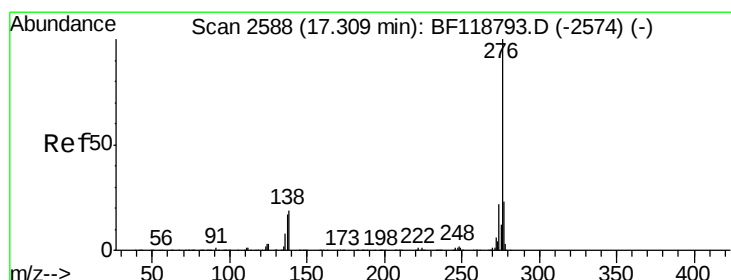
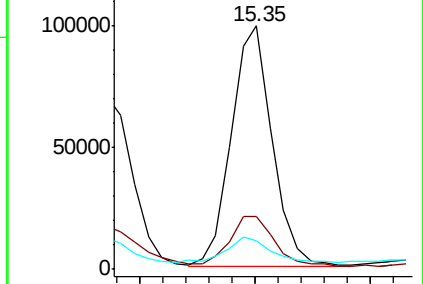
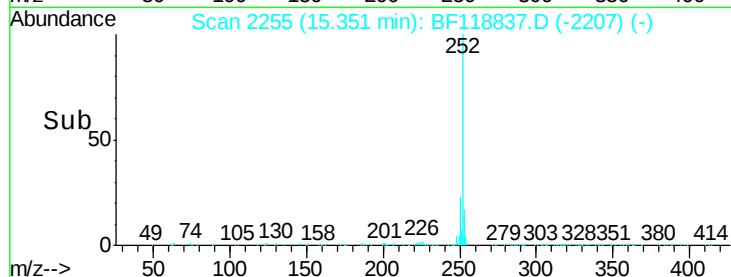
125 11.6 8.7 13.1



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: 2.405 ng

RT: 17.27 min Scan# 2582

Delta R.T. -0.04 min

Lab File: BF118837.D

Acq: 6 Feb 2020 15:18

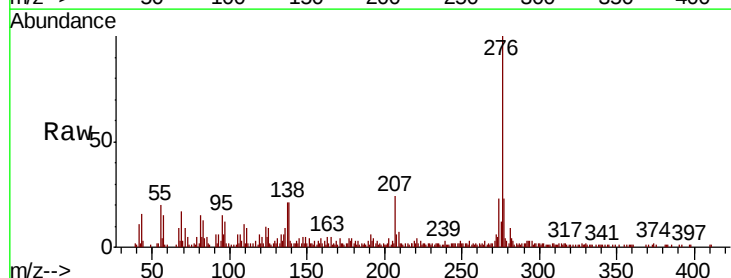
Tgt Ion:276 Resp: 82586

Ion Ratio Lower Upper

276 100

277 23.5 18.7 28.1

138 21.0 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

