

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020720\
 Data File : BF118850.D
 Acq On : 7 Feb 2020 15:04
 Operator : CG/JU
 Sample : L1439-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Feb 08 03:35:38 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	212569	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	793590	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	448743	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	798624	20.00	ng	0.00
76) Chrysene-d12	13.97	240	575934	20.00	ng	-0.01
87) Perylene-d12	15.42	264	728356	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1015049	90.39	ng	0.00
7) Phenol-d6	6.45	99	1216082	87.24	ng	0.00
23) Nitrobenzene-d5	7.37	82	781825	58.72	ng	-0.01
42) 2,4,6-Tribromophenol	10.63	330	449109	83.64	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1570206	62.55	ng	-0.01
79) Terphenyl-d14	12.92	244	1599007	57.03	ng	-0.01

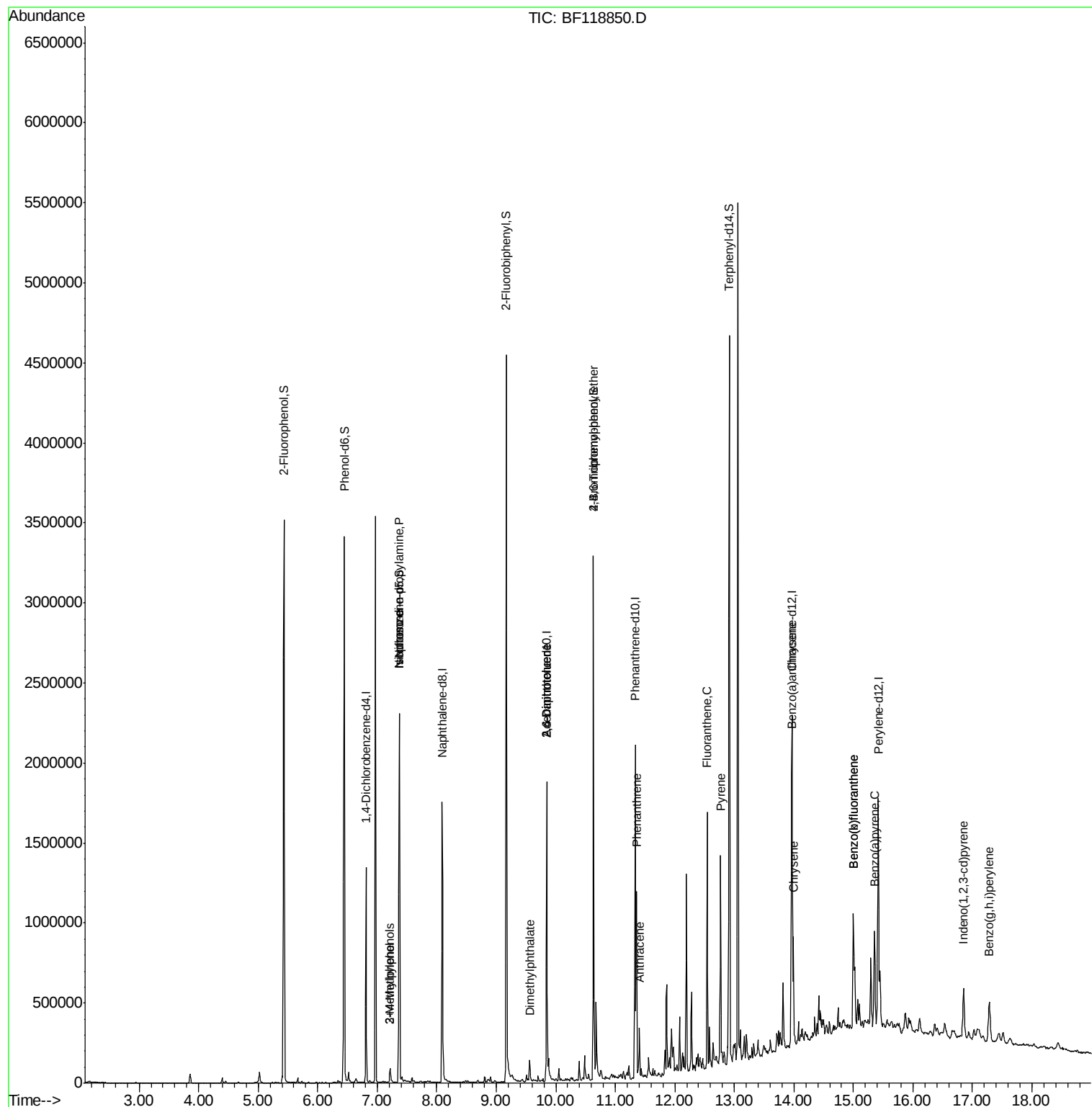
Target Compounds				Qvalue		
9) Benzaldehyde	6.36	77	1549	Below Cal	#	75
17) 2-Methylphenol	7.22	107	29705	2.857 ng	#	72
19) n-Nitroso-di-n-propylamine	7.37	70	107203	12.569 ng	#	76
20) 3+4-Methylphenols	7.22	107	29705	2.279 ng	#	65
25) Isophorone	7.37	82	781817	32.673 ng	#	63
50) Dimethylphthalate	9.56	163	63202	2.068 ng		97
51) 2,6-Dinitrotoluene	9.85	165	58721	8.399 ng	#	30
57) 2,4-Dinitrotoluene	9.85	165	59119	6.390 ng	#	33
67) 4-Bromophenyl-phenylether	10.63	248	28988	3.068 ng	#	1
71) Phenanthrene	11.36	178	456098	11.607 ng		97
72) Anthracene	11.40	178	109284	2.796 ng		96
75) Fluoranthene	12.54	202	623065	14.523 ng		98
78) Pvrene	12.77	202	565703	14.318 ng		97
81) Benzo(a)anthracene	13.96	228	302811	8.836 ng		100
83) Chrysene	13.99	228	267681	7.782 ng		96
86) Indeno(1,2,3-cd)pyrene	16.85	276	228822	6.621 ng		95
88) Benzo(b)fluoranthene	15.00	252	560015	12.391 ng		99
89) Benzo(k)fluoranthene	15.00	252	560015	14.229 ng	#	97
90) Benzo(a)pvrene	15.36	252	320498	8.286 ng		98
92) Benzo(a,h,i)perylene	17.29	276	230857	6.991 ng		99

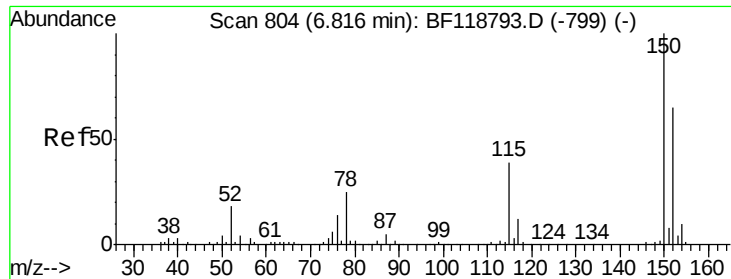
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Feb 03 16:26:03 2020
Response via : Initial Calibration



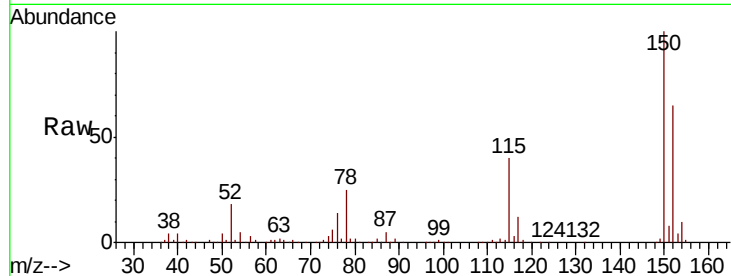


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Instrument :
BNA_F
ClientSampled :

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.5	123.6	185.4
115	61.3	48.2	72.2

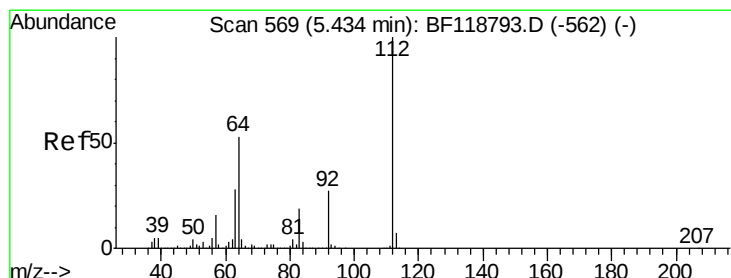
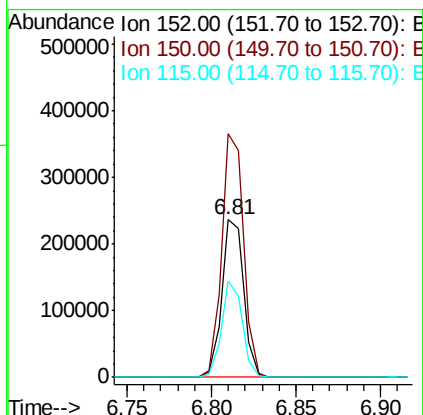
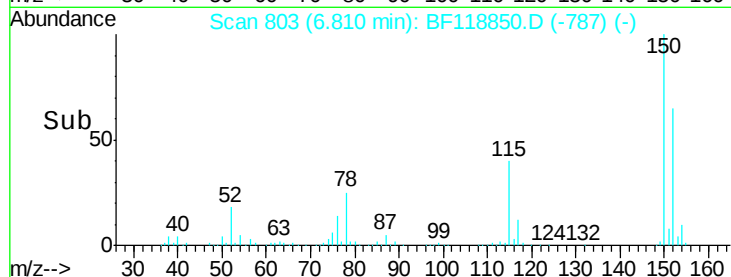


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

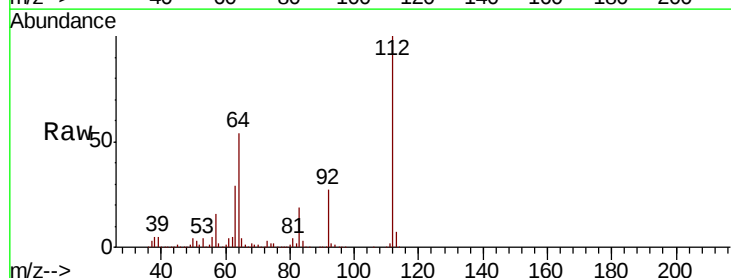
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 90.390 ng
RT: 5.43 min Scan# 569
Delta R.T. -0.00 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion	Ratio	Lower	Upper
112	100		
64	54.1	42.6	63.8
63	29.2	22.2	33.4

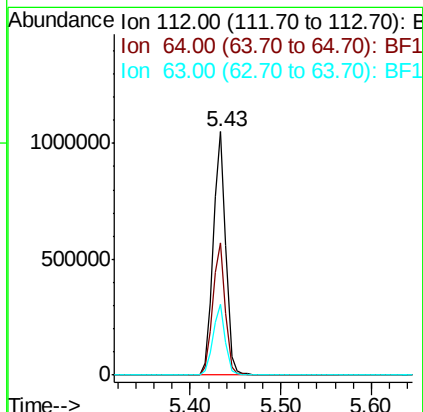
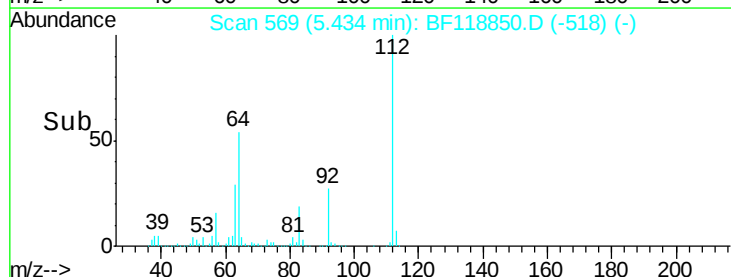


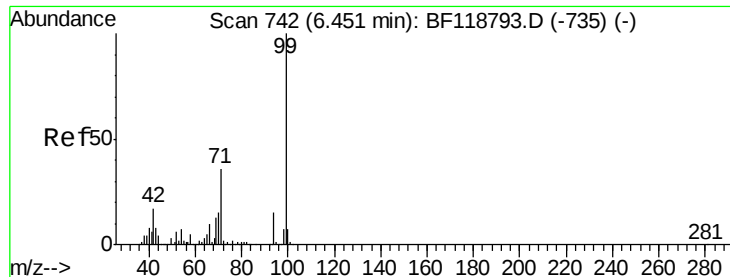
Abundance

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: 87.237 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

Instrument :

BNA_F

ClientSampleId :

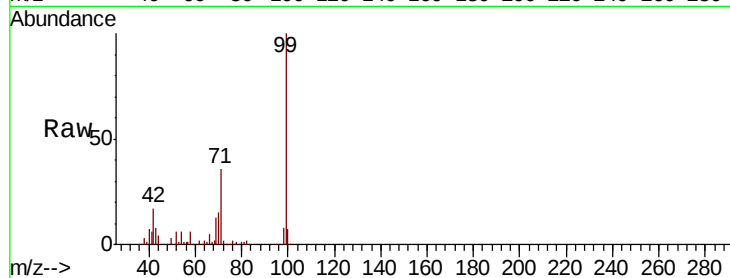
Tot Ion: 99 Resp: 1216082

Ion Ratio Lower Upper

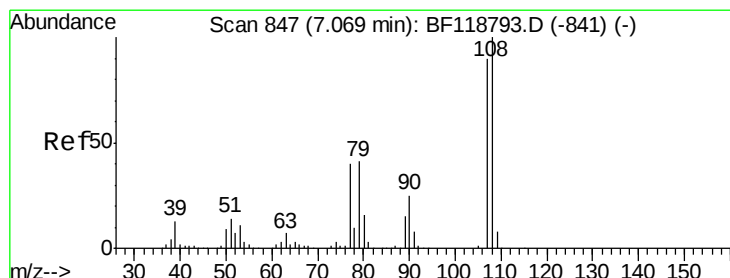
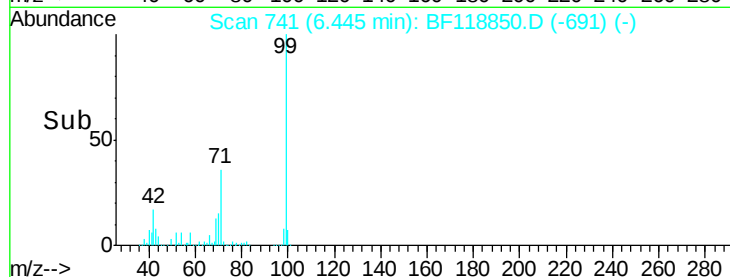
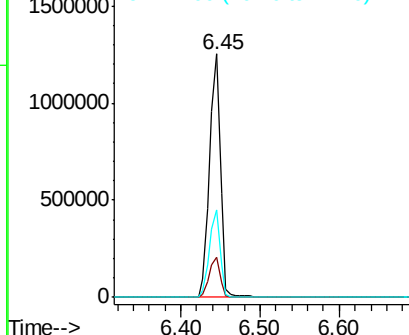
99 100

42 16.6 13.4 20.0

71 35.8 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



#17

2-Methylphenol

Concen: 2.857 ng

RT: 7.22 min Scan# 872

Delta R.T. 0.15 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

Tgt Ion:107 Resp: 29705

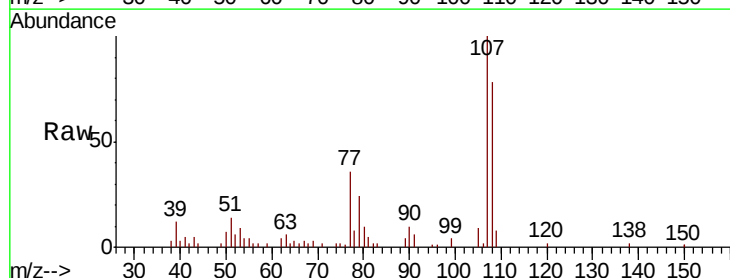
Ion Ratio Lower Upper

107 100

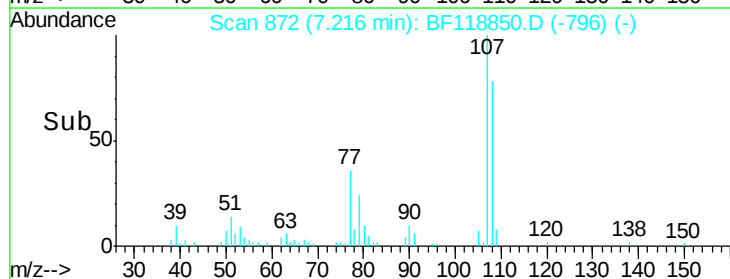
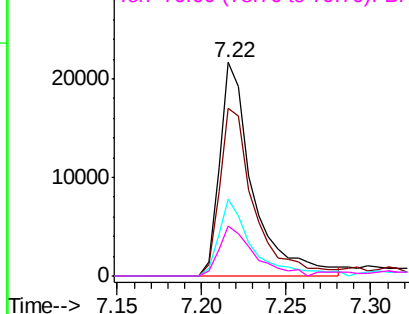
108 78.2 89.3 133.9#

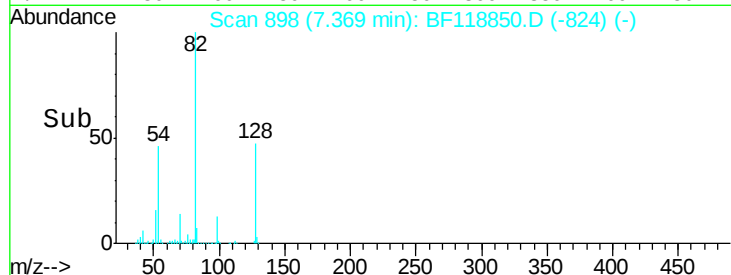
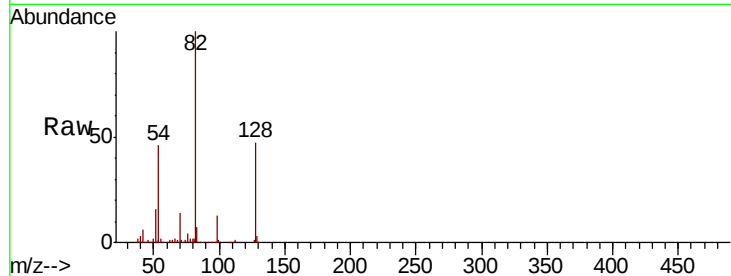
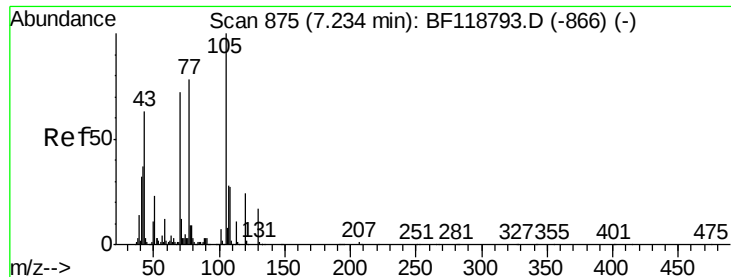
77 36.2 36.2 54.2

79 23.7 36.3 54.5#



Abundance Ion 107.00 (106.70 to 107.70): E
Ion 108.00 (107.70 to 108.70): E
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1

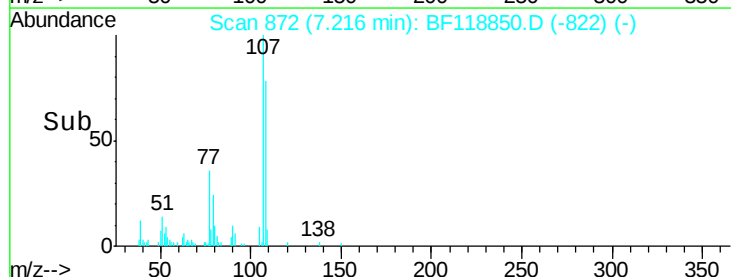
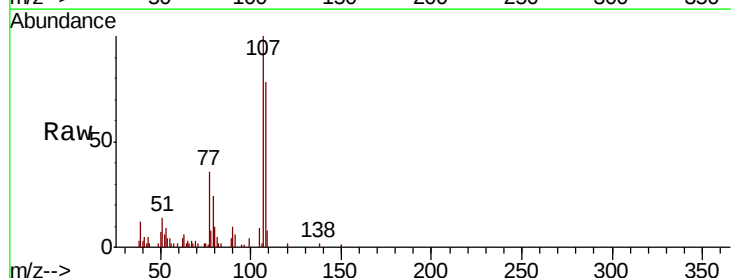
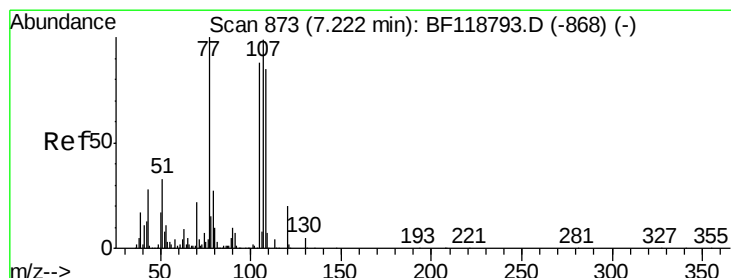
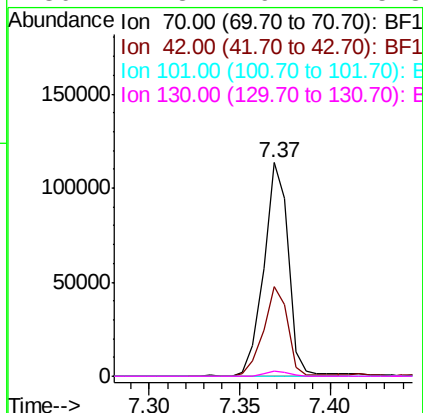




#19
n-Nitroso-di-n-propylamine
Concen: 12.569 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

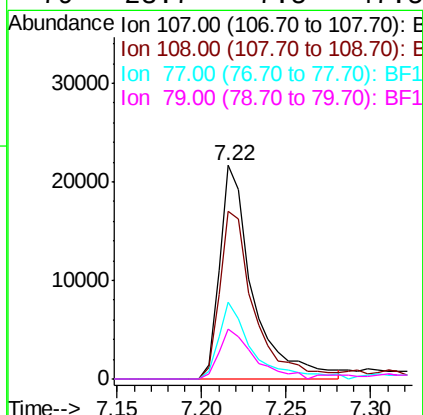
Instrument :
BNA_F
ClientSampleId :

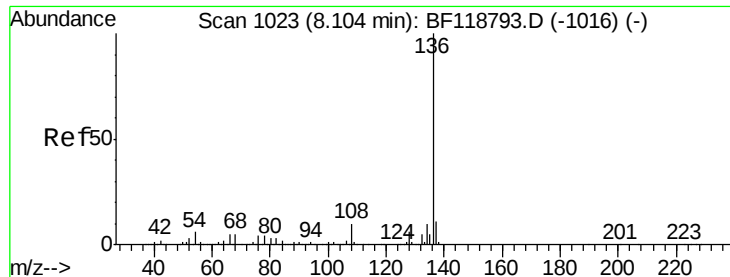
Tot Ion	Ratio	Lower	Upper
70	100		
42	41.9	41.5	62.3
101	0.0	8.3	12.5#
130	2.3	19.2	28.8#



#20
3+4-Methylphenols
Concen: 2.279 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion	Ratio	Lower	Upper
107	100		
108	78.2	65.9	105.9
77	36.2	80.9	120.9#
79	23.7	7.5	47.5

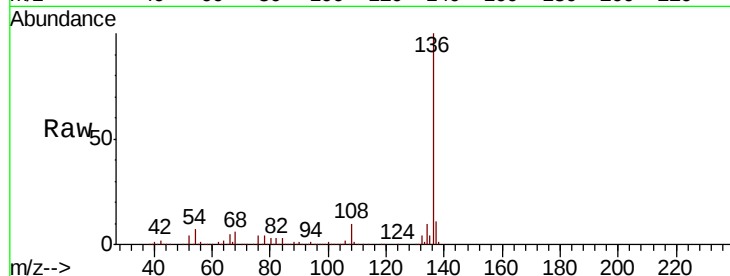




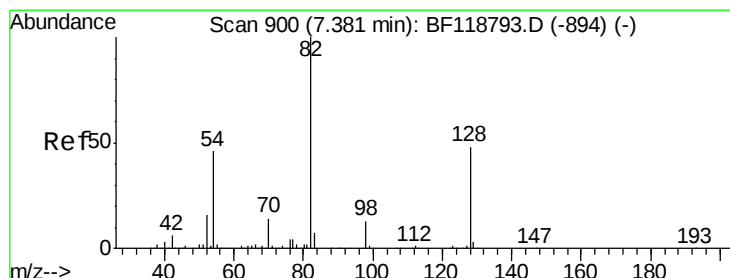
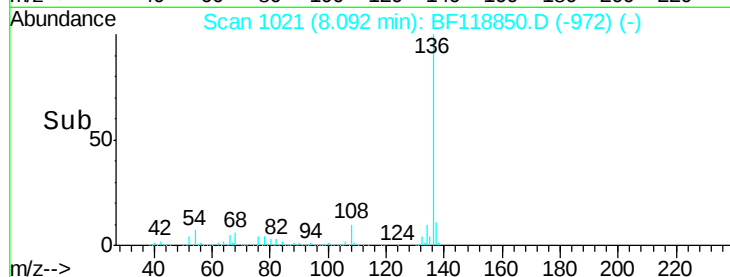
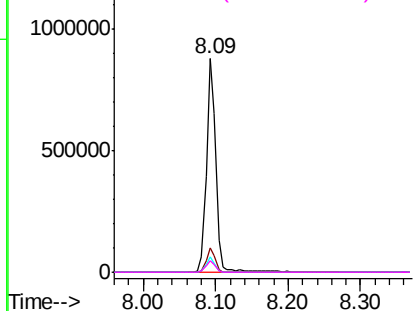
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	793590
Ion Ratio	Lower	Upper
136 100		
137 11.5	8.7	13.1
54 6.9	5.0	7.6
68 5.6	4.2	6.4

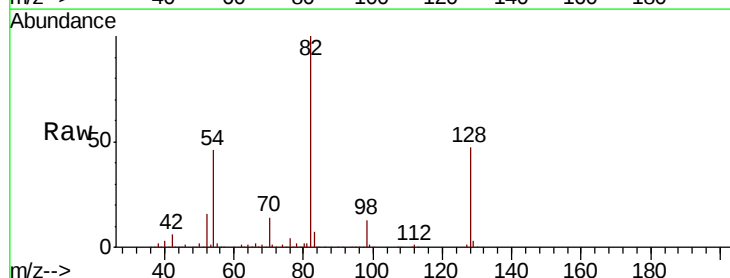


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

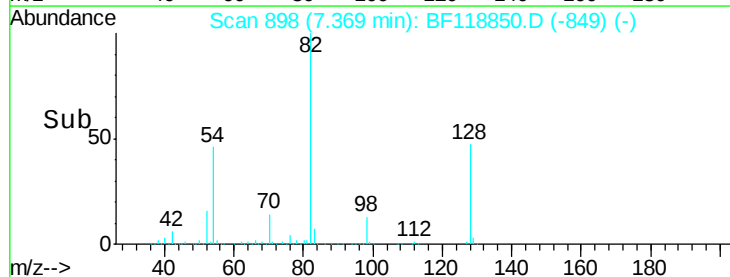
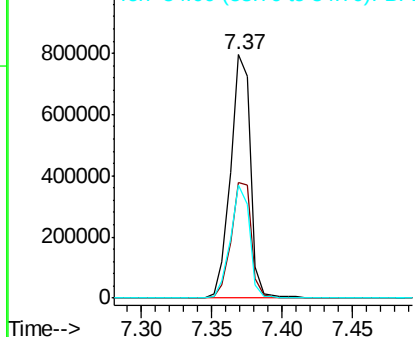


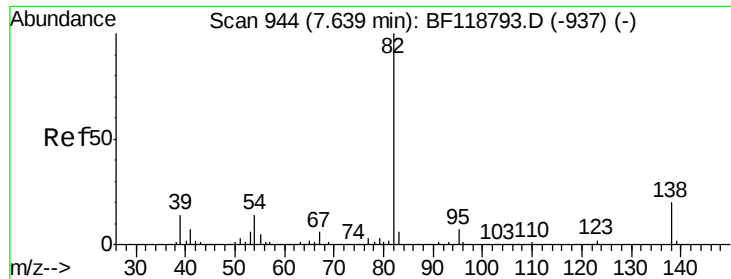
#23
Nitrobenzene-d5
Concen: 58.721 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt	Ion: 82	Resp:	781825
Ion	Ratio	Lower	Upper
82	100		
128	47.2	38.5	57.7
54	46.4	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

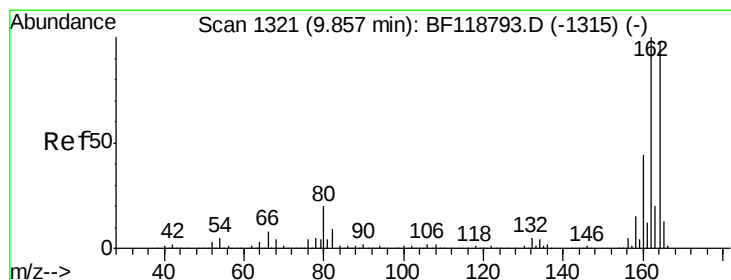
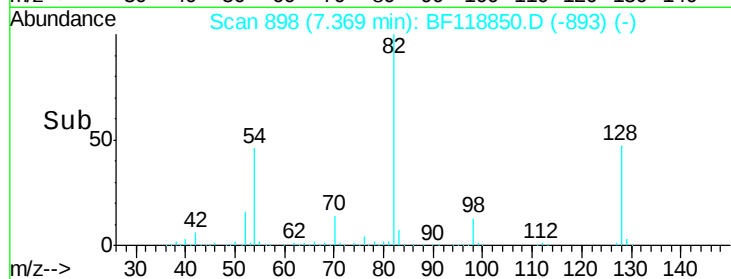
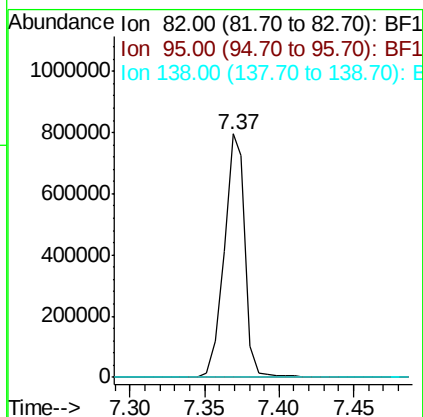
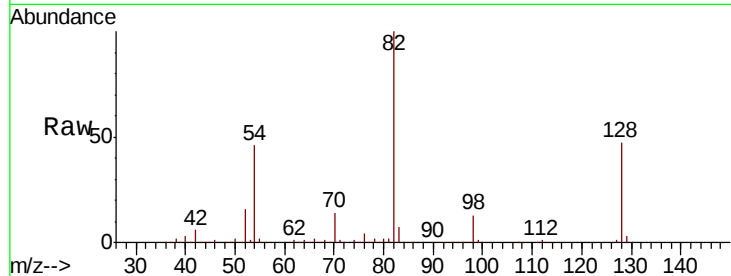




#25
Isophorone
Concen: 32.673 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

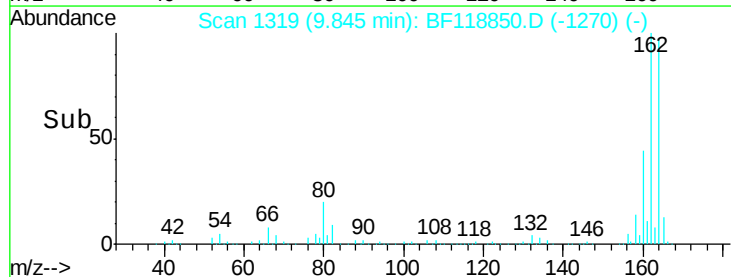
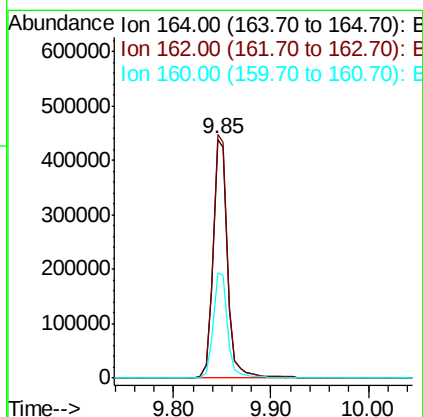
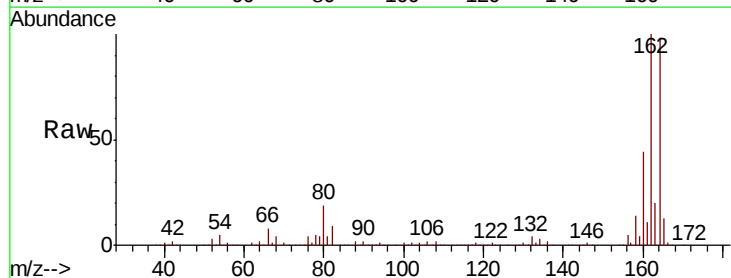
Instrument :
BNA_F
ClientSampled :

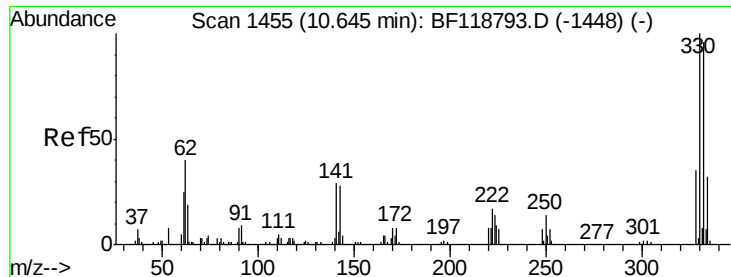
Tot Ion: 82 Resp: 781817
Ion Ratio Lower Upper
82 100
95 0.0 6.0 9.0#
138 0.0 15.7 23.5#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion: 164 Resp: 448743
Ion Ratio Lower Upper
164 100
162 102.1 81.4 122.2
160 44.4 35.6 53.4





#42

2,4,6-Tribromophenol

Concen: 83.643 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

Instrument :

BNA_F

ClientSampleId :

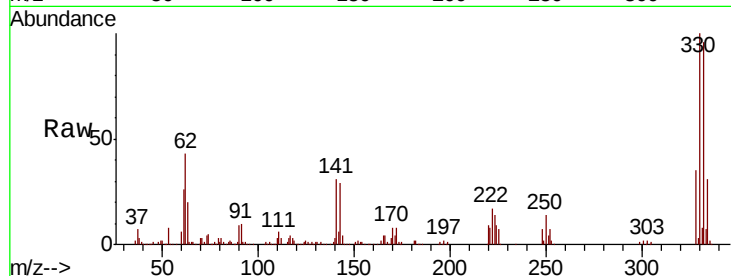
Tot Ion:330 Resp: 449109

Ion Ratio Lower Upper

330 100

332 96.2 77.3 115.9

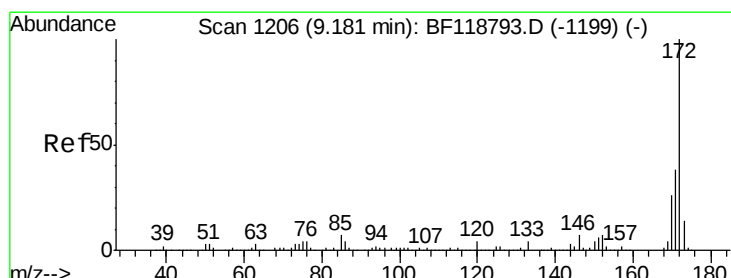
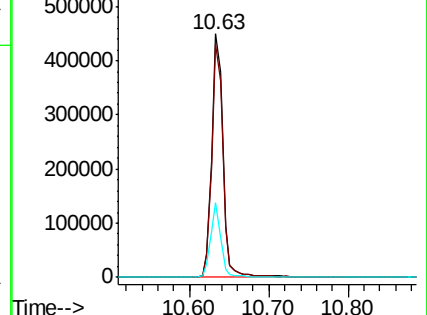
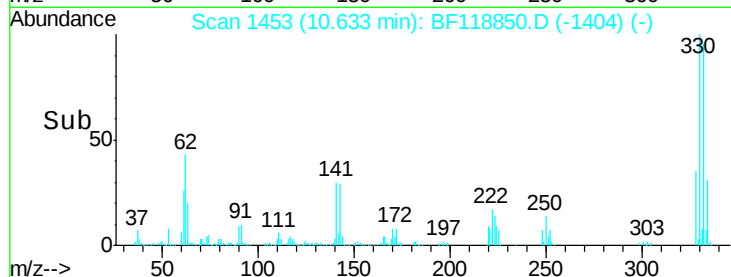
141 28.4 22.4 33.6



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: 62.554 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

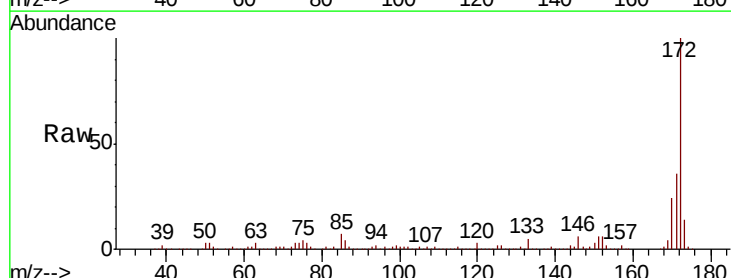
Tgt Ion:172 Resp: 1570206

Ion Ratio Lower Upper

172 100

171 36.1 30.8 46.2

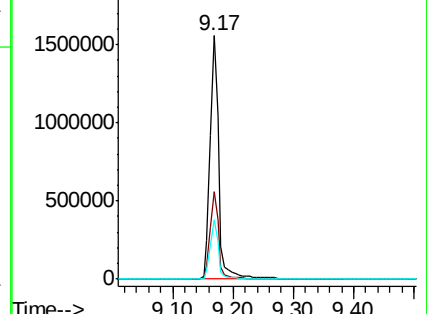
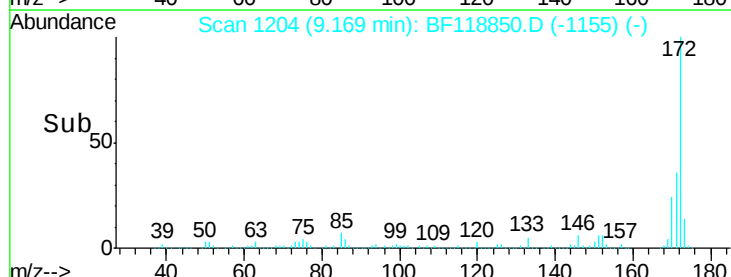
170 24.1 20.5 30.7

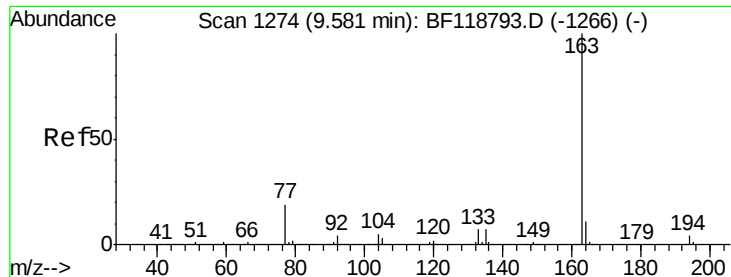


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 2.068 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

Instrument :

BNA_F

ClientSampleId :

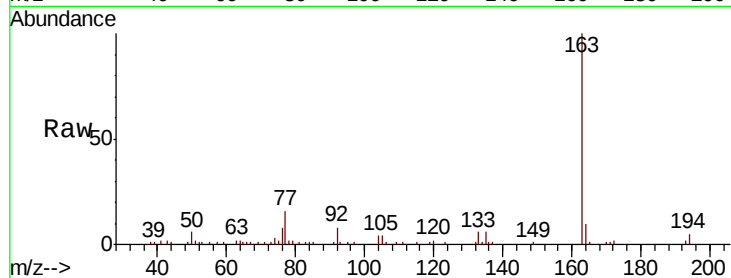
Tot Ion:163 Resp: 63202

Ion Ratio Lower Upper

163 100

194 4.9 3.6 5.4

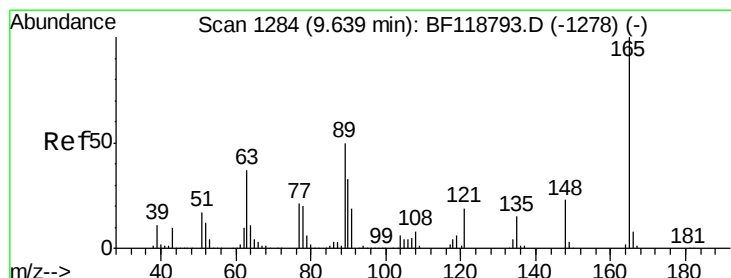
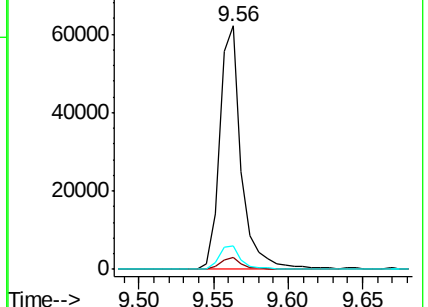
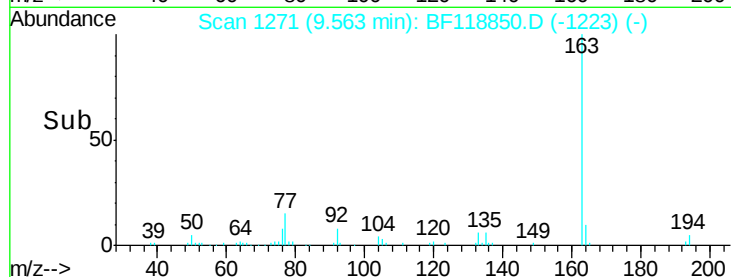
164 9.6 8.7 13.1



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: 8.399 ng

RT: 9.85 min Scan# 1319

Delta R.T. 0.21 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

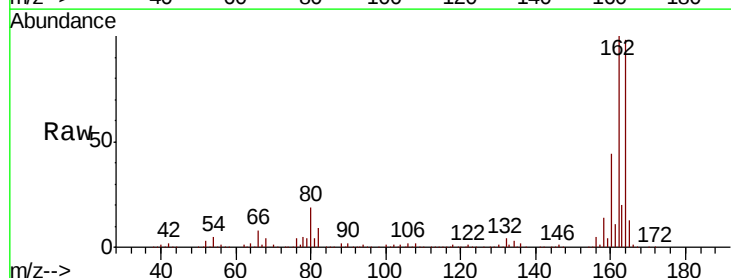
Tgt Ion:165 Resp: 58721

Ion Ratio Lower Upper

165 100

63 1.2 37.4 56.0#

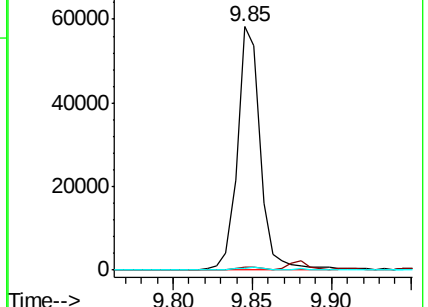
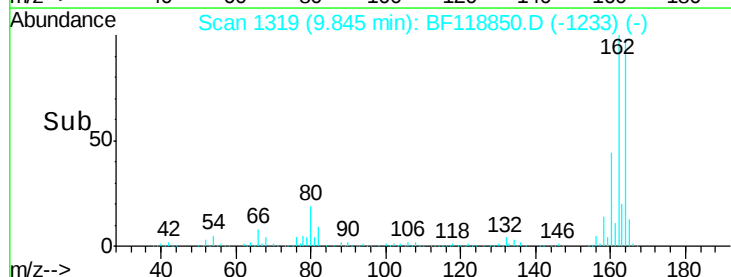
89 0.9 39.7 59.5#

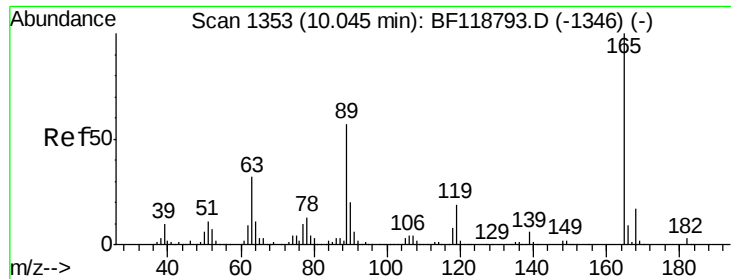


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

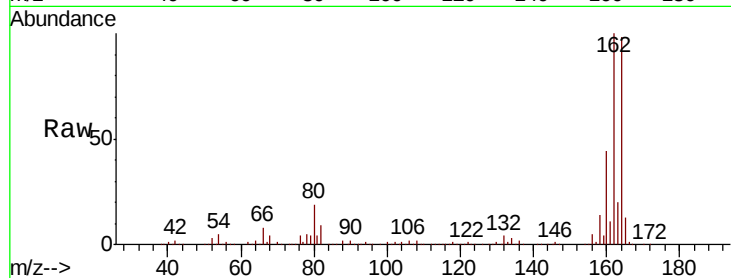




#57
 2,4-Dinitrotoluene
 Concen: 6.390 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.20 min
 Lab File: BF118850.D
 Acq: 7 Feb 2020 15:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165	Resp:	59119
Ion Ratio	Lower	Upper
165	100	
63	1.2	25.5 38.3#
89	0.9	45.4 68.0#
182	0.0	2.4 3.6#

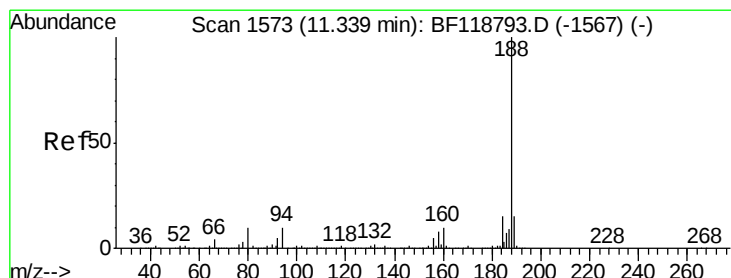
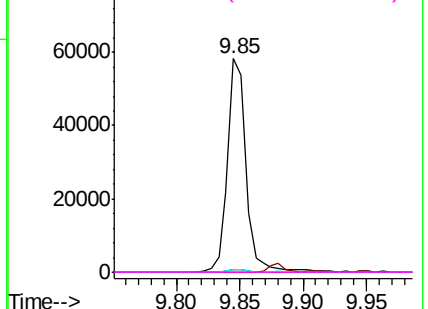
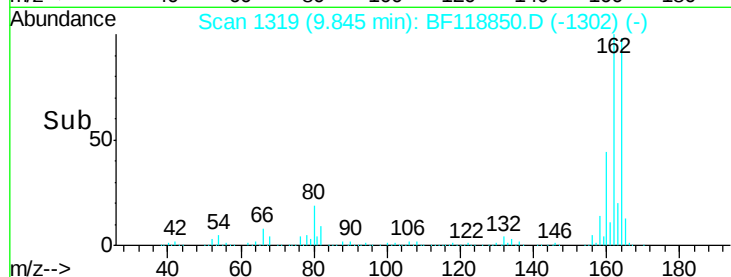


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

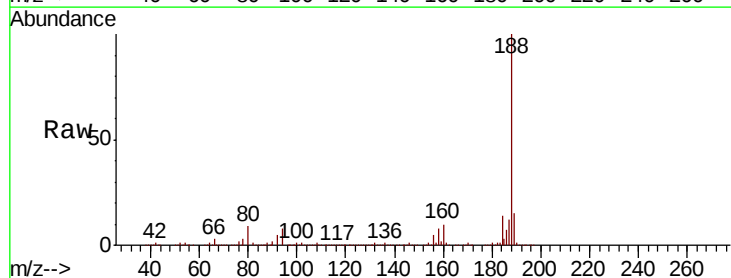
Ion 89.00 (88.70 to 89.70): BF1

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: BF118850.D
 Acq: 7 Feb 2020 15:04

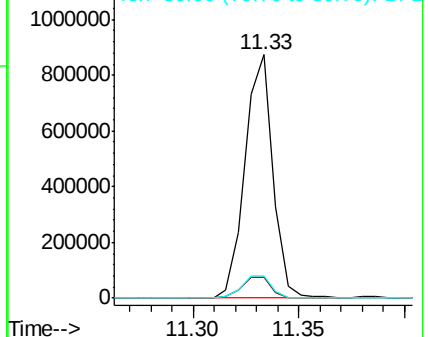
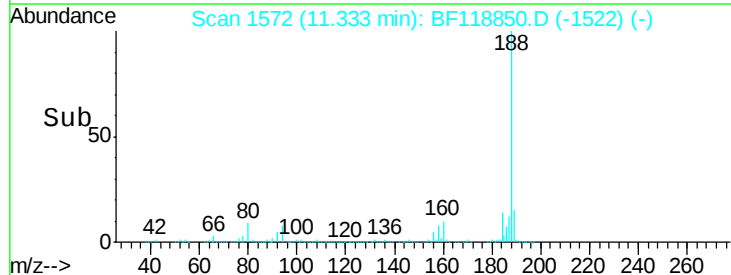
Tgt Ion:188	Resp:	798624
Ion Ratio	Lower	Upper
188	100	
94	8.4	7.9 11.9
80	9.2	8.4 12.6

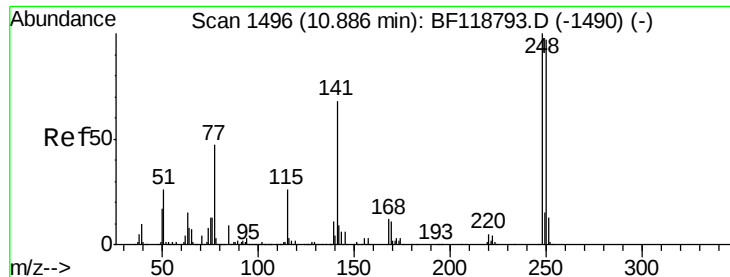


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

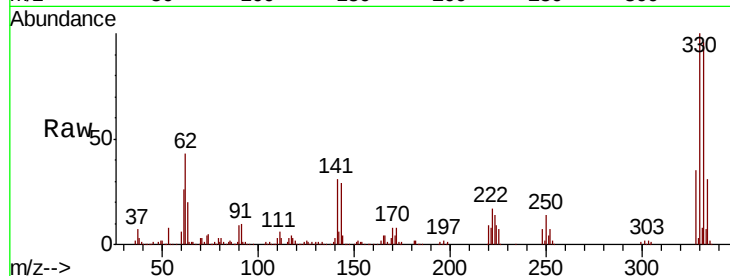




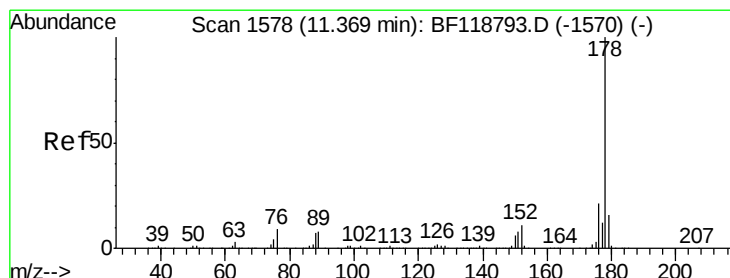
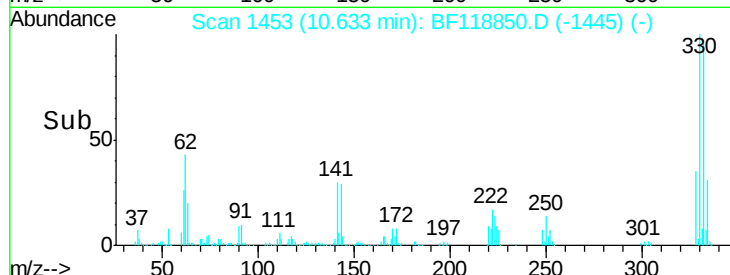
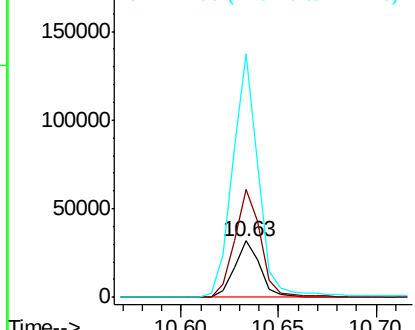
#67
4-Bromophenyl-phenylether
Concen: 3.068 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.25 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Instrument :
BNA_F
ClientSampleId :

Tot Ion:248 Resp: 28988
Ion Ratio Lower Upper
248 100
250 192.0 77.6 116.4#
141 434.0 54.4 81.6#

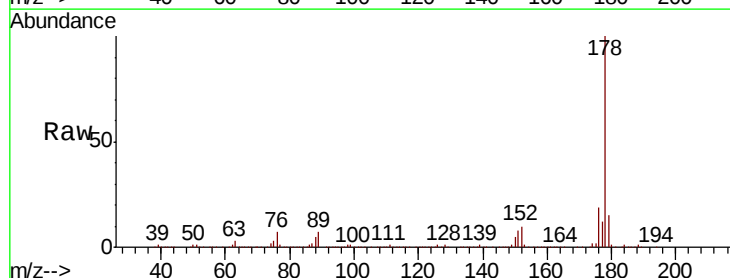


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

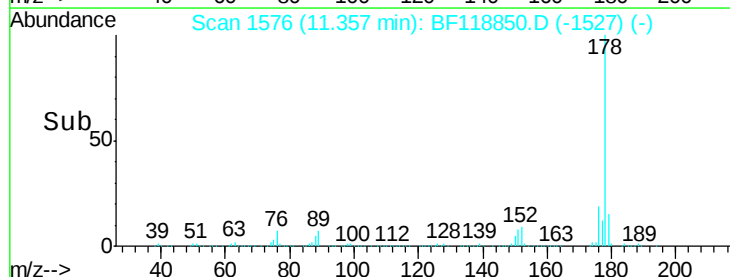
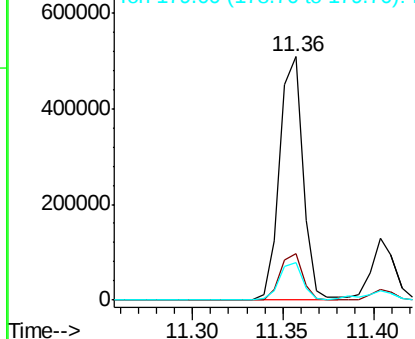


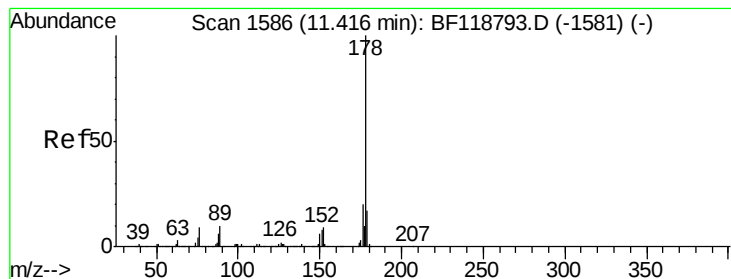
#71
Phenanthrene
Concen: 11.607 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion:178 Resp: 456098
Ion Ratio Lower Upper
178 100
176 19.0 16.6 24.8
179 15.2 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: 2.796 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

Instrument :

BNA_F

ClientSampleId :

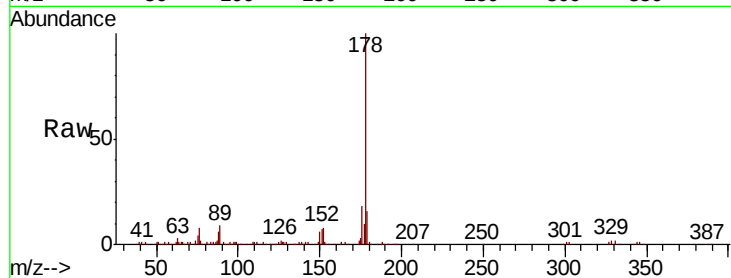
Tot Ion:178 Resp: 109284

Ion Ratio Lower Upper

178 100

176 18.1 16.2 24.2

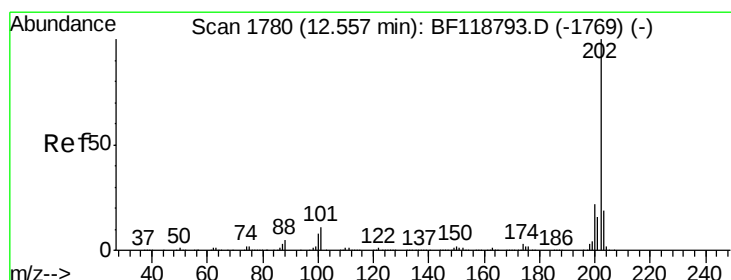
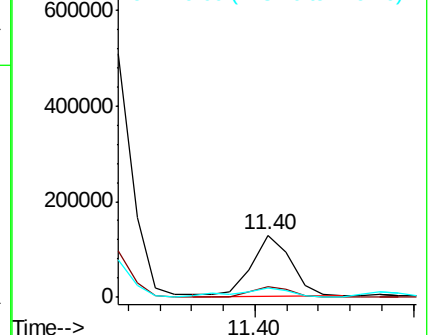
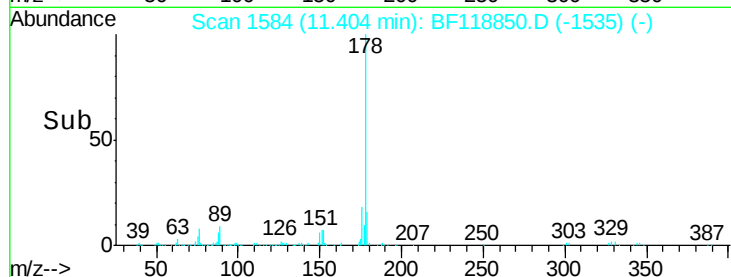
179 15.6 13.4 20.2



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: 14.523 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

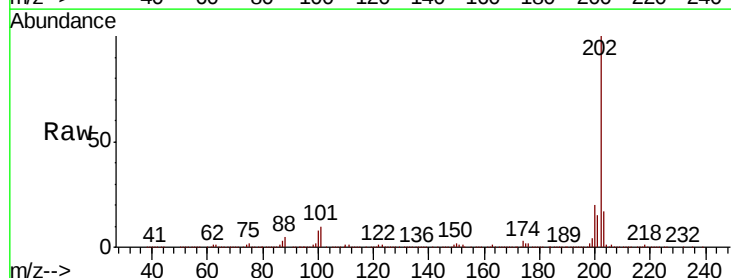
Tgt Ion:202 Resp: 623065

Ion Ratio Lower Upper

202 100

101 10.5 0.0 31.0

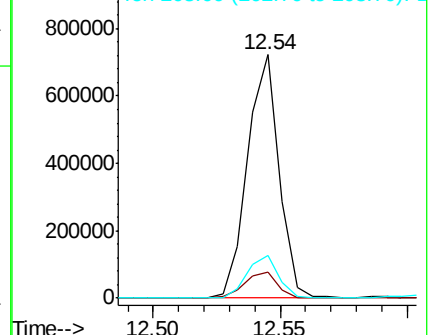
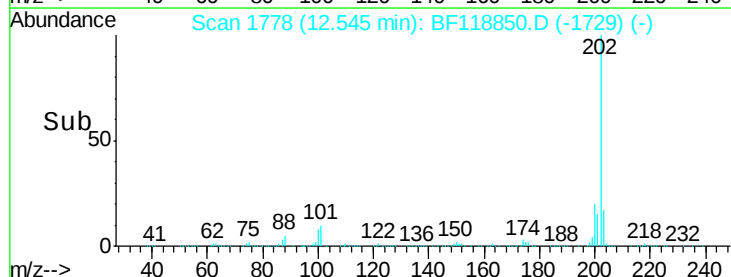
203 17.3 0.0 38.7

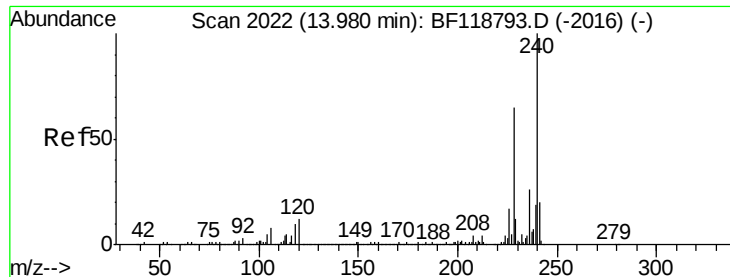


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF118850.D

Acq: 7 Feb 2020 15:04

Instrument :

BNA_F

ClientSampleId :

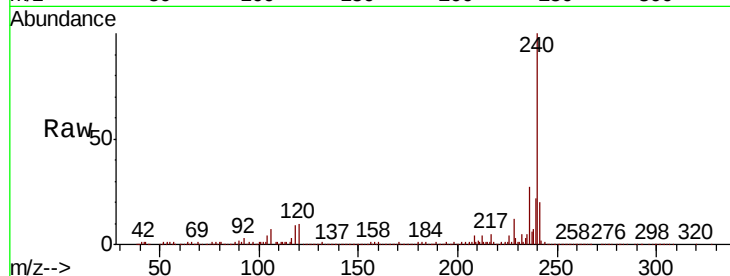
Tot Ion:240 Resp: 575934

Ion Ratio Lower Upper

240 100

120 10.4 9.4 14.0

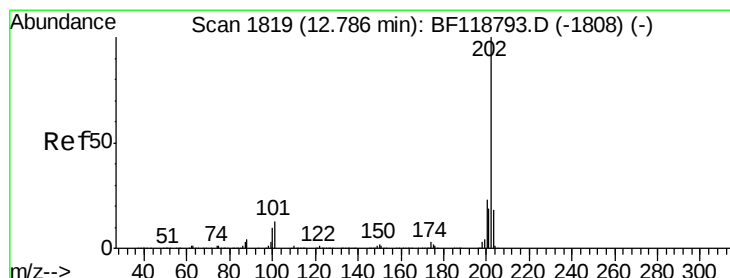
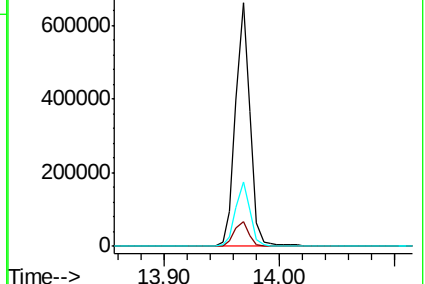
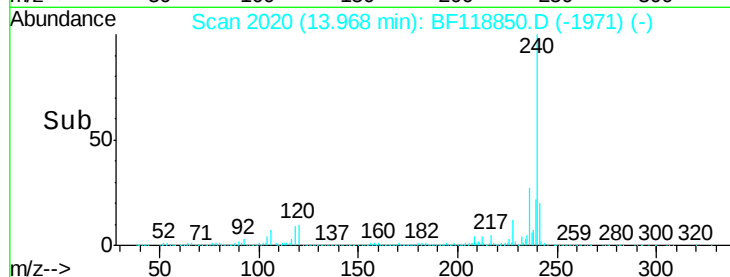
236 26.6 21.0 31.6



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

Pyrene

Concen: 14.318 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.02 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

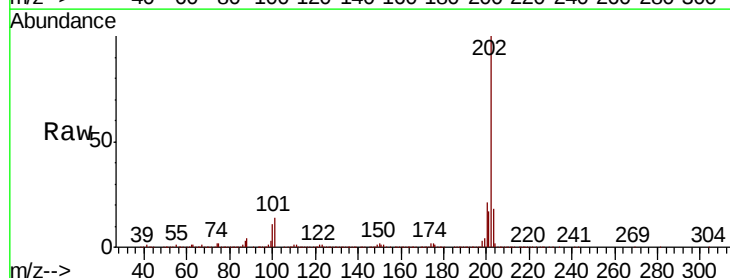
Tgt Ion:202 Resp: 565703

Ion Ratio Lower Upper

202 100

200 20.8 18.2 27.2

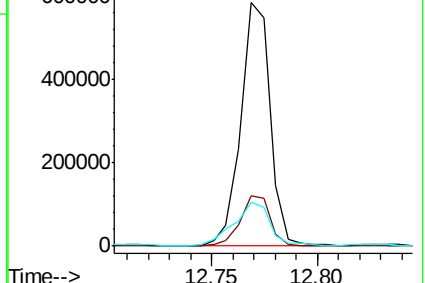
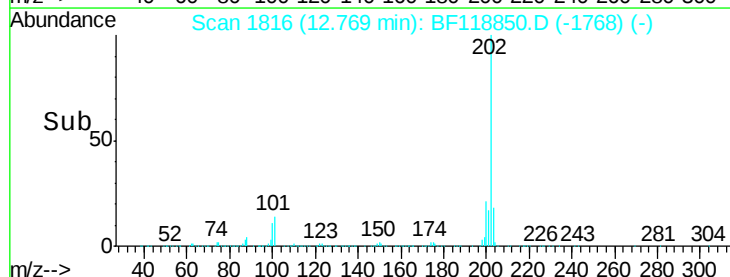
203 18.0 14.8 22.2

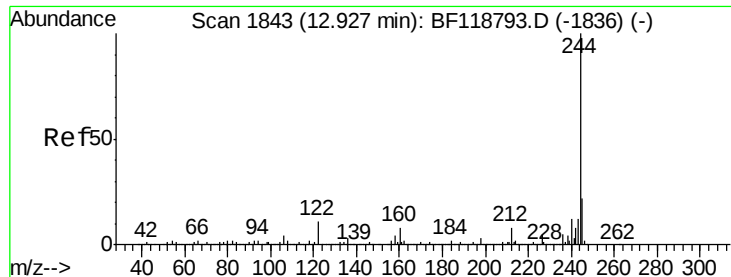


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 57.028 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

Instrument :

BNA_F

ClientSampleId :

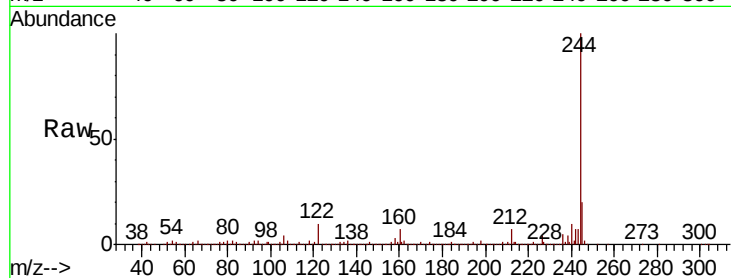
Tot Ion:244 Resp: 1599007

Ion Ratio Lower Upper

244 100

212 7.1 6.5 9.7

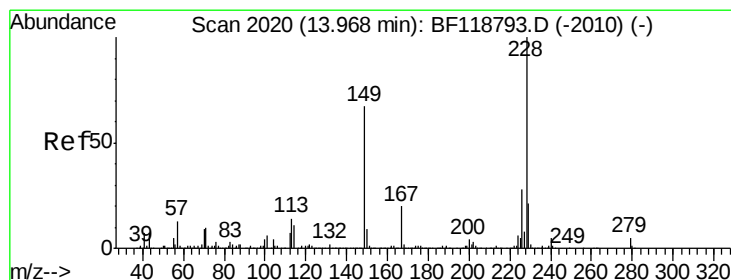
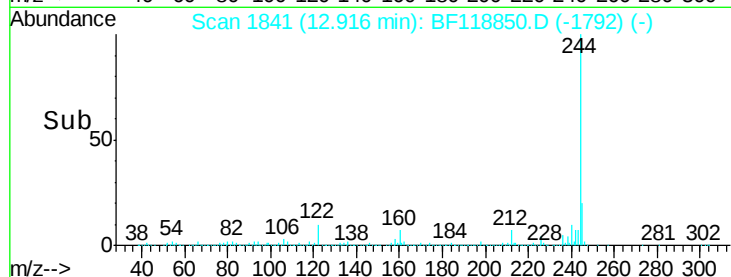
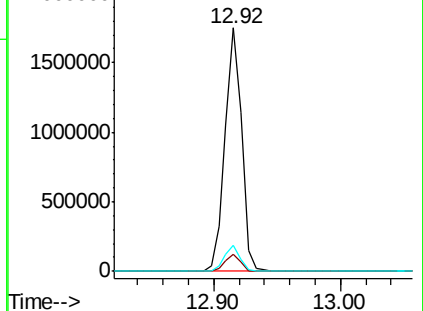
122 10.5 8.9 13.3



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: 8.836 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF118850.D

Acq: 7 Feb 2020 15:04

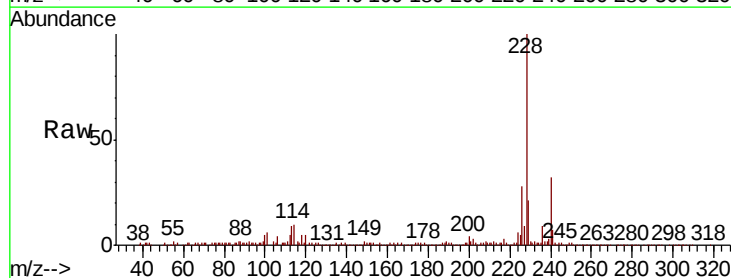
Tgt Ion:228 Resp: 302811

Ion Ratio Lower Upper

228 100

226 28.5 22.7 34.1

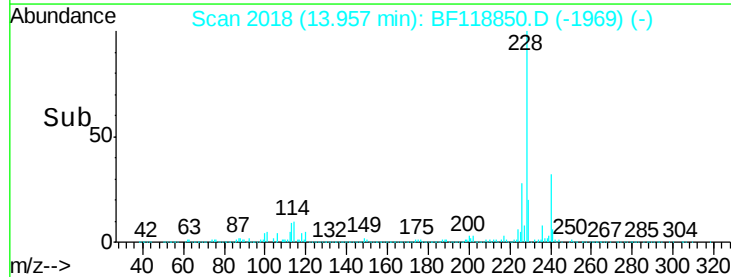
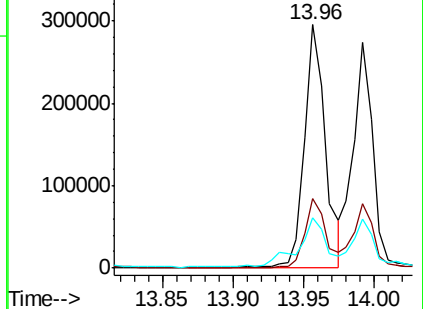
229 20.8 16.6 25.0

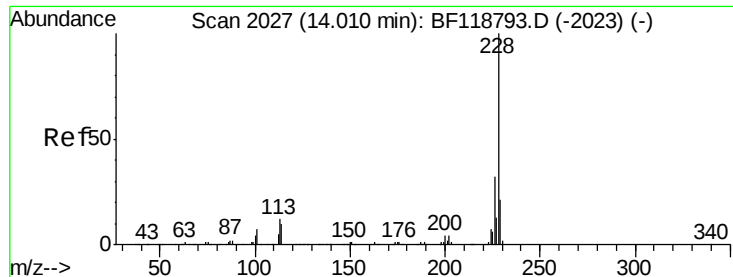


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

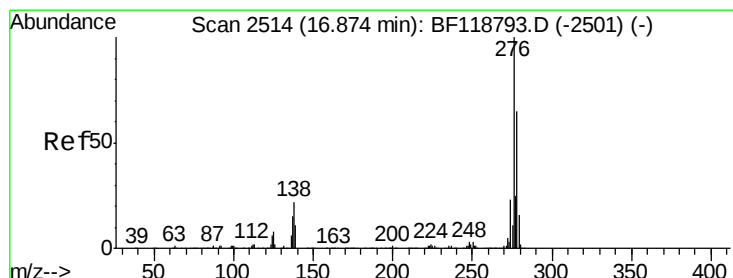
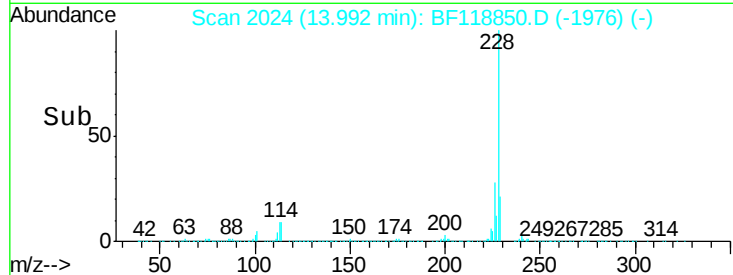
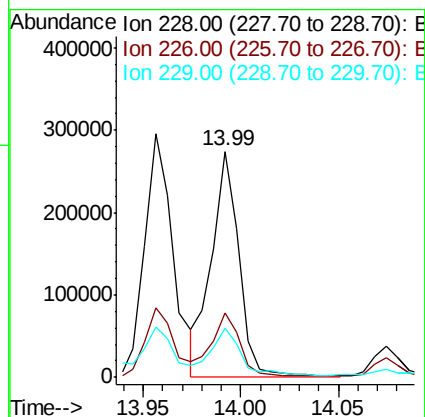
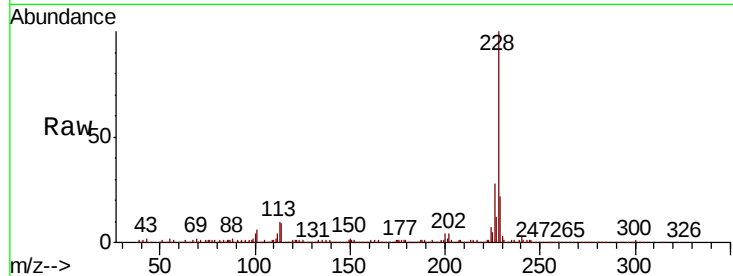




#83
Chrysene
Concen: 7.782 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.02 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

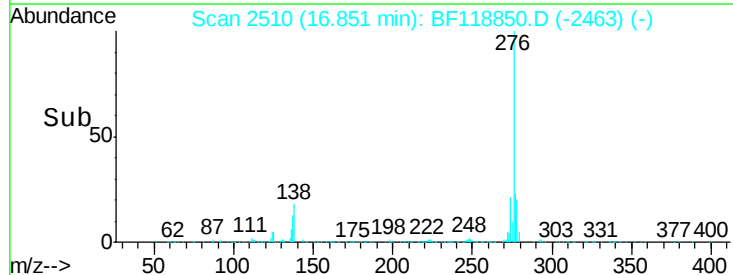
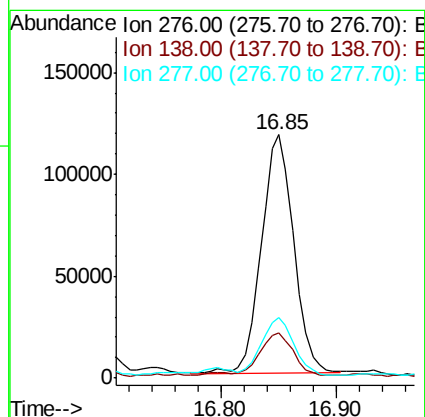
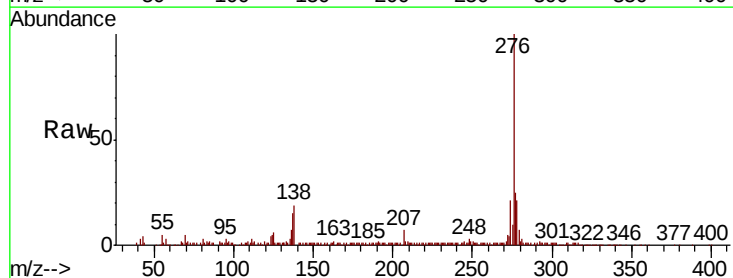
Instrument :
BNA_F
ClientSampleId :

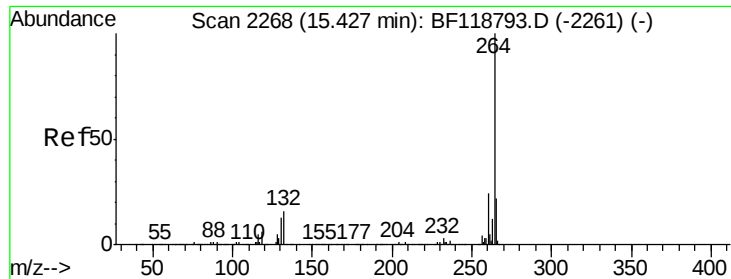
Tot Ion	Ratio	Lower	Upper
228	100		
226	28.4	25.4	38.0
229	21.9	16.9	25.3



#86
Indeno(1,2,3-cd)pyrene
Concen: 6.621 ng
RT: 16.85 min Scan# 2510
Delta R.T. -0.02 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.8	18.3	27.5
277	24.1	20.2	30.4

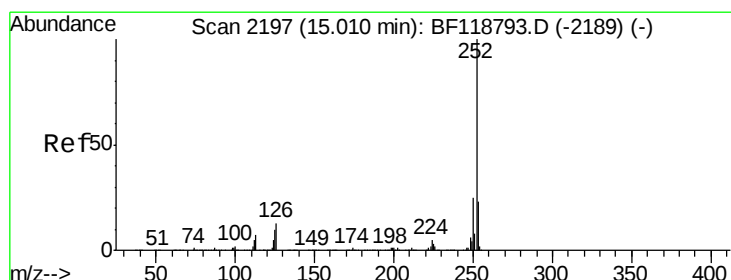
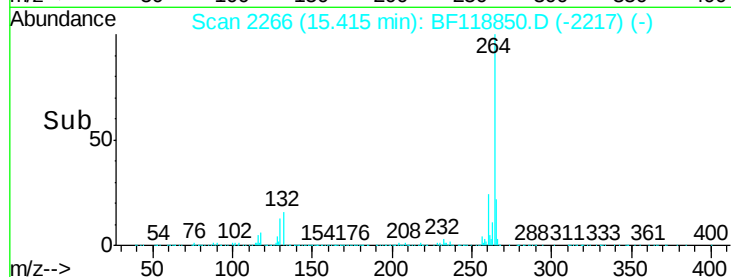
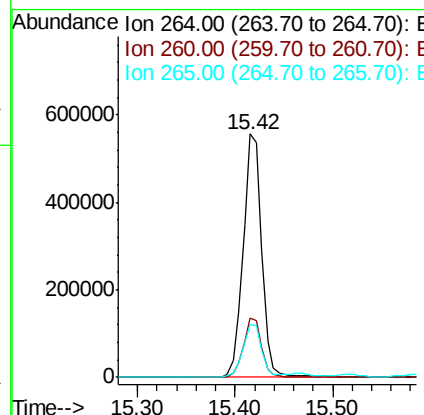
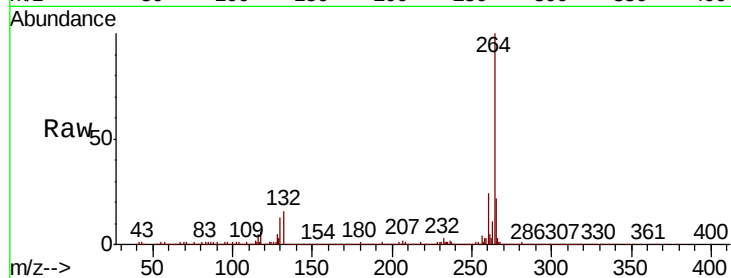




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

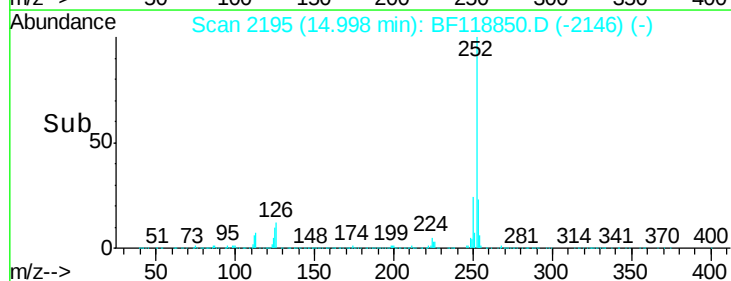
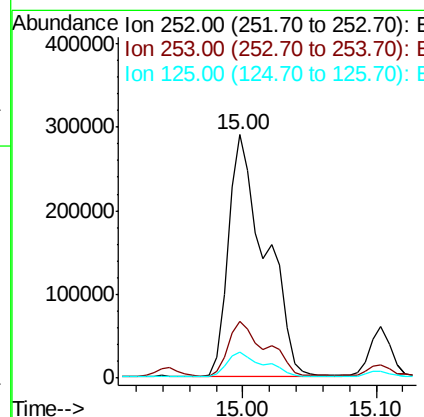
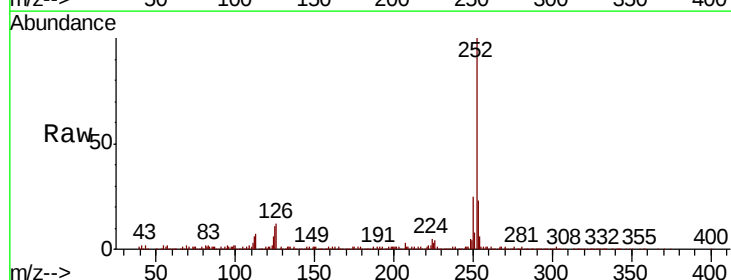
Instrument :
BNA_F
ClientSampleId :

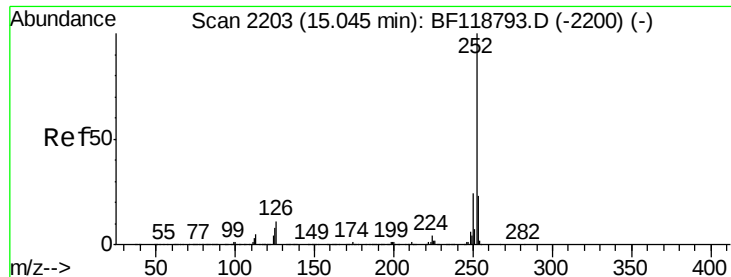
Tot Ion:264 Resp: 728356
Ion Ratio Lower Upper
264 100
260 24.2 19.1 28.7
265 21.9 17.2 25.8



#88
Benzo(b)fluoranthene
Concen: 12.391 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion:252 Resp: 560015
Ion Ratio Lower Upper
252 100
253 23.5 18.4 27.6
125 10.8 8.1 12.1

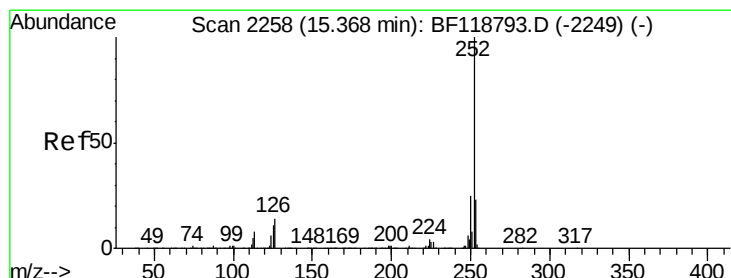
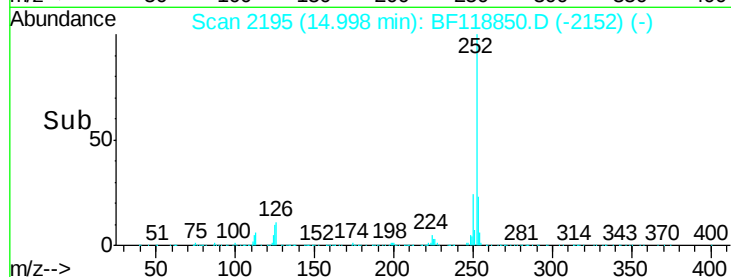
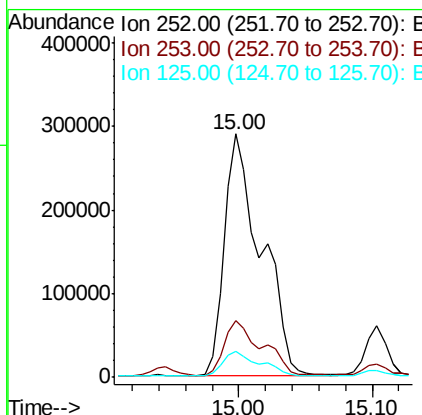
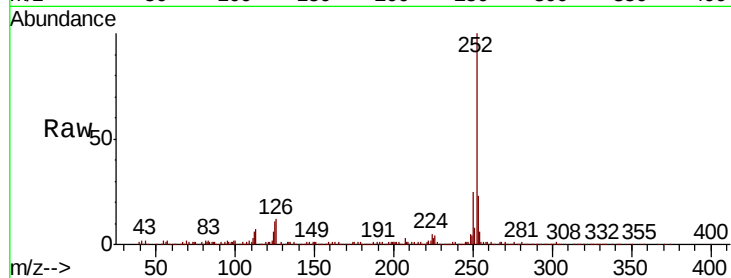




#89
Benzo(k)fluoranthene
Concen: 14.229 ng
RT: 15.00 min Scan# 2195
Delta R.T. -0.05 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

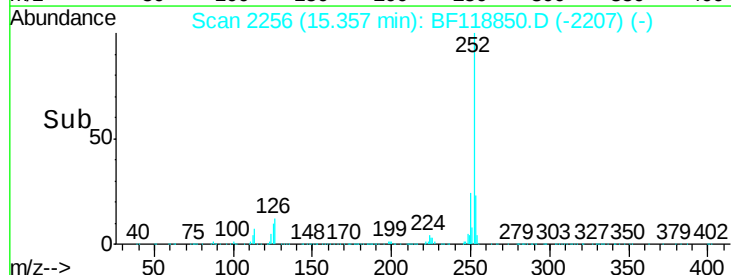
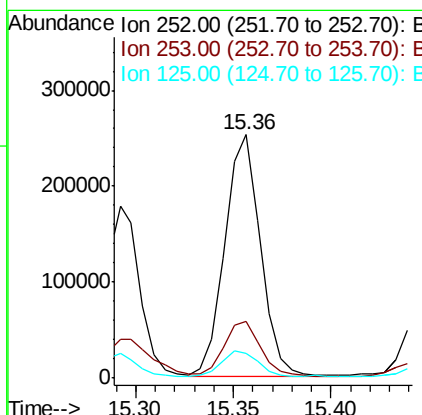
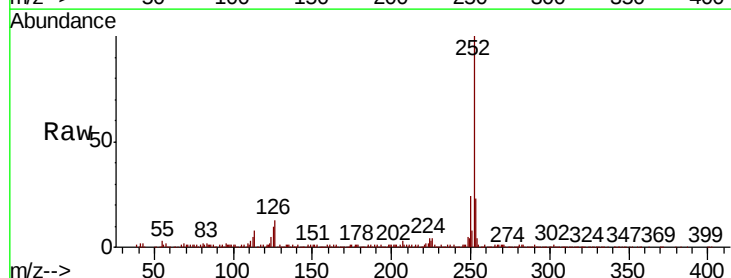
Instrument :
BNA_F
ClientSampleId :

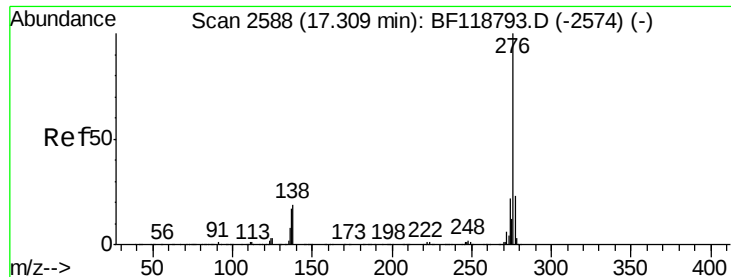
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.2	27.4
125	10.8	7.0	10.6



#90
Benzo(a)pyrene
Concen: 8.286 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF118850.D
Acq: 7 Feb 2020 15:04

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	18.1	27.1
125	10.3	8.7	13.1

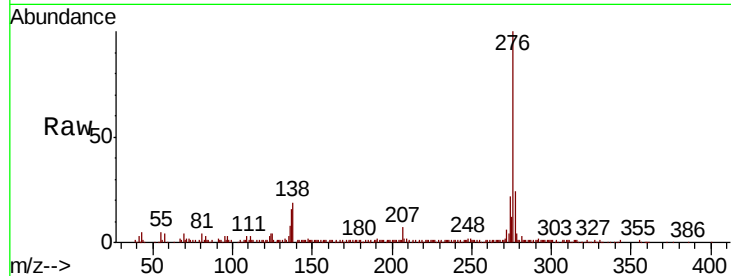




#92
 Benzo(a,h,i)perylene
 Concen: 6.991 ng
 RT: 17.29 min Scan# 2584
 Delta R.T. -0.02 min
 Lab File: BF118850.D
 Acq: 7 Feb 2020 15:04

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
277	23.8	18.7	28.1
138	19.1	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

