

Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Quant Time: Jan 27 01:06:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.86	152	274679	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	985891	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	509323	20.00	ng	-0.03
64) Phenanthrene-d10	11.38	188	827481	20.00	ng	-0.03
76) Chrysene-d12	14.02	240	553978	20.00	ng	-0.03
87) Perylene-d12	15.48	264	680759	20.00	ng	-0.04

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	582738	39.40	ng	-0.01
7) Phenol-d6	6.49	99	1016704	52.89	ng	-0.02
23) Nitrobenzene-d5	7.42	82	1194684	67.78	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	197926	33.60	ng	-0.03
45) 2-Fluorobiphenyl	9.22	172	2029980	65.51	ng	-0.02
79) Terphenyl-d14	12.96	244	1884769	74.21	ng	-0.03

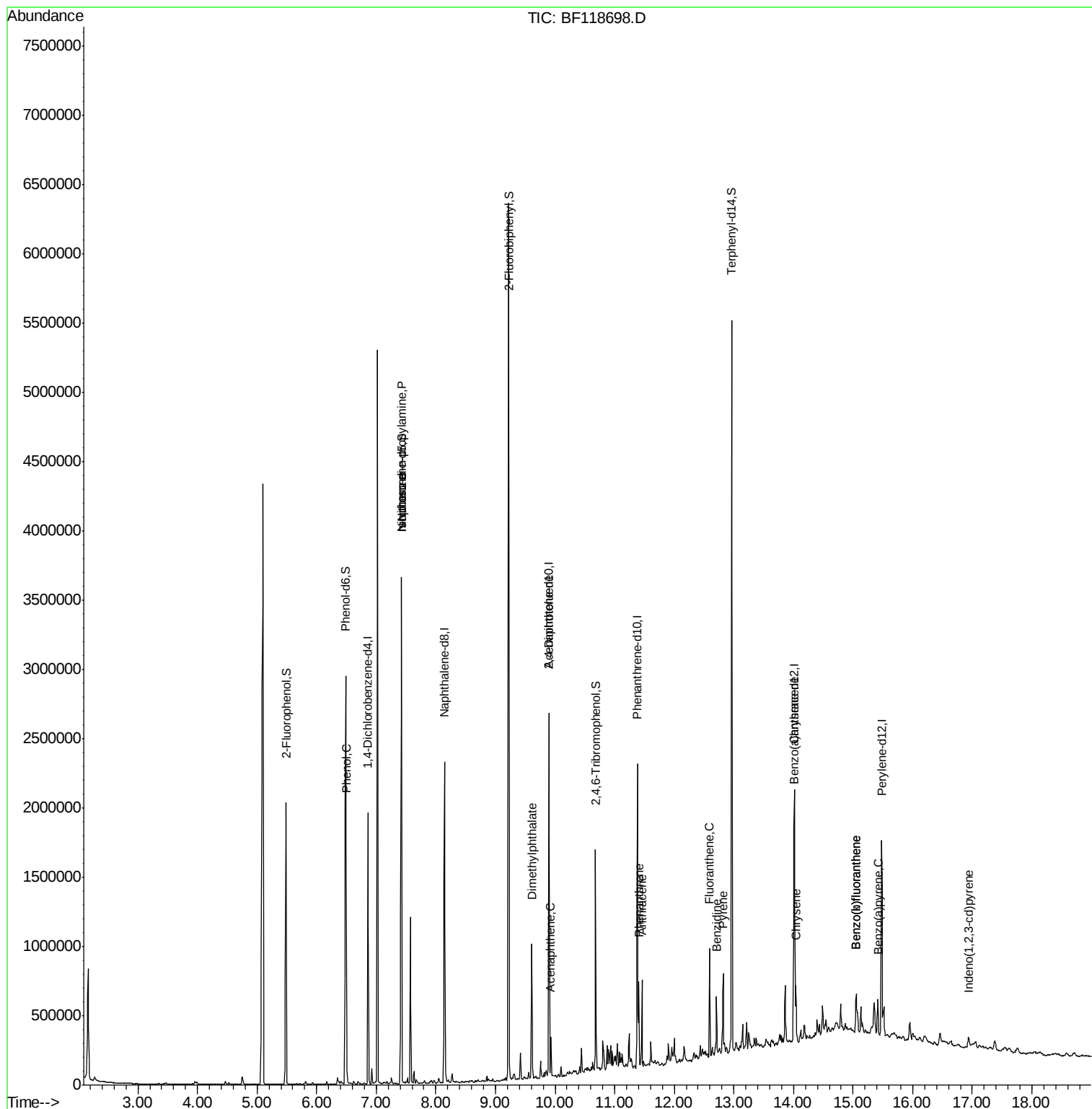
Target Compounds				Qvalue		
10) Phenol	6.50	94	70257	3.207	ng	98
19) n-Nitroso-di-n-propylamine	7.42	70	165163	12.725	ng	# 74
25) Isophorone	7.42	82	1190723	37.038	ng	# 64
50) Dimethylphthalate	9.61	163	359643	10.838	ng	97
52) Acenaphthene	9.93	154	64109	2.303	ng	99
57) 2,4-Dinitrotoluene	9.90	165	68257	7.287	ng	# 25
71) Phenanthrene	11.40	178	214476	5.372	ng	93
72) Anthracene	11.46	178	239101	6.053	ng	92
75) Fluoranthene	12.59	202	284870	6.766	ng	95
77) Benzidine	12.71	184	169394	11.444	ng	97
78) Pyrene	12.82	202	237506	6.315	ng	93
81) Benzo(a)anthracene	14.00	228	175964	5.280	ng	96
83) Chrysene	14.04	228	153894	4.818	ng	95
86) Indeno(1,2,3-cd)pyrene	16.94	276	59368	2.139	ng	99
88) Benzo(b)fluoranthene	15.05	252	228303	5.335	ng	# 97
89) Benzo(k)fluoranthene	15.05	252	228303	5.759	ng	# 97
90) Benzo(a)pyrene	15.42	252	141521	3.834	ng	96

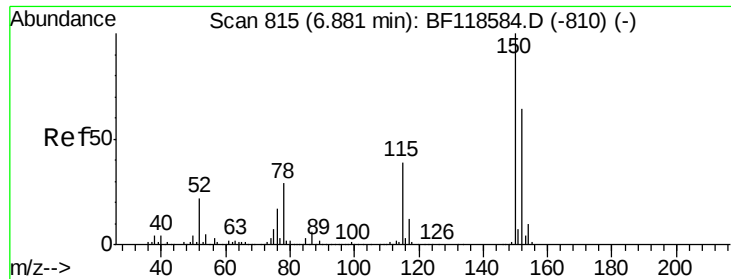
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : BF118698.D
Acq On : 24 Jan 2020 21:07
Operator : CG/JU
Sample : L1242-13
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Quant Time: Jan 27 01:06:20 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF012020.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 20 14:45:03 2020
Response via : Initial Calibration



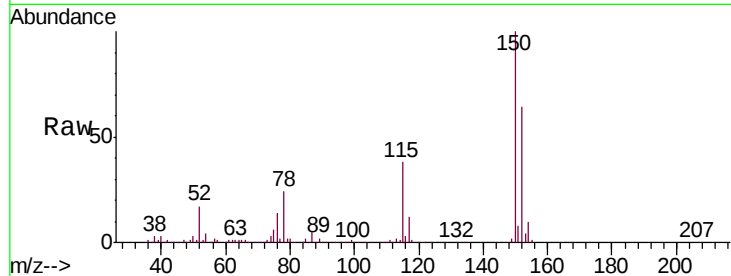


#1

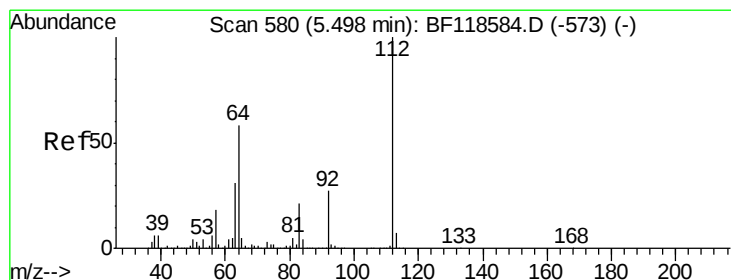
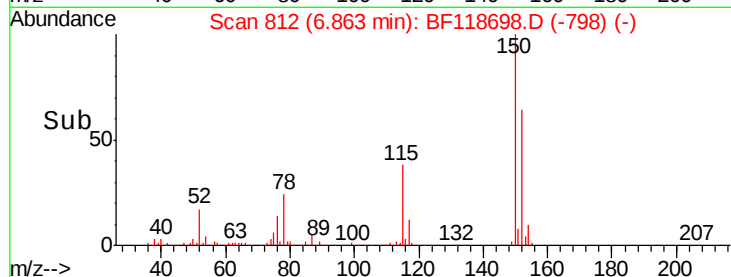
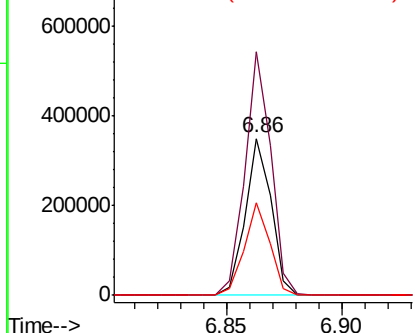
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Tgt Ion:152 Resp: 274679
Ion Ratio Lower Upper
152 100
150 155.2 125.6 188.4
115 58.7 48.4 72.6



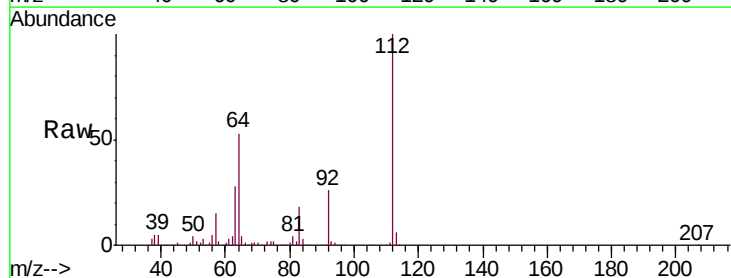
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



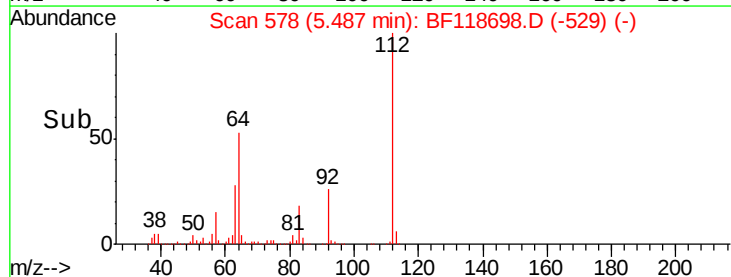
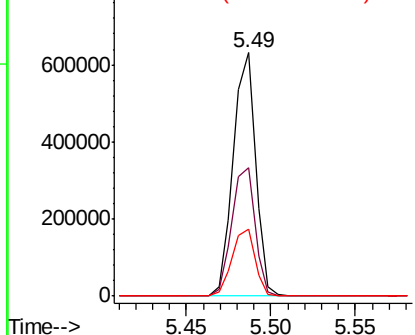
#5

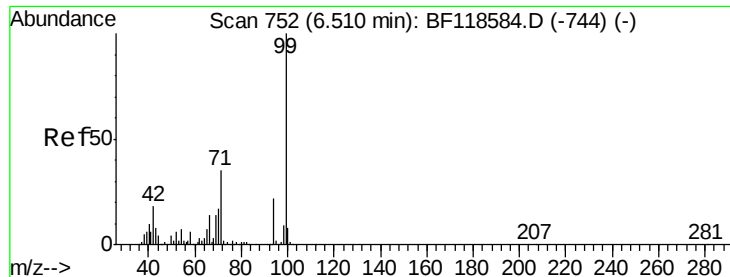
2-Fluorophenol
Concen: 39.402 ng
RT: 5.49 min Scan# 578
Delta R.T. -0.01 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion:112 Resp: 582738
Ion Ratio Lower Upper
112 100
64 52.9 46.6 70.0
63 27.6 25.1 37.7



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: 52.891 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF118698.D

Acq: 24 Jan 2020 21:07

Instrument :

BNA_F

ClientSampleId :

20200066-AMENDED-COMP-4

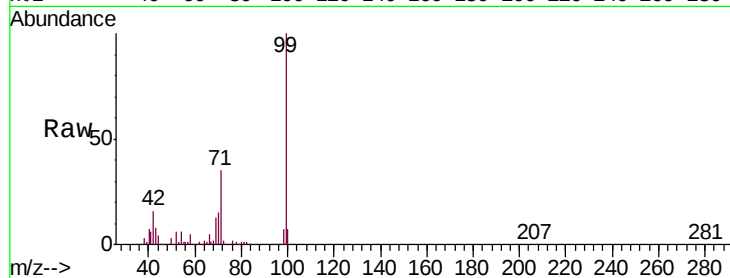
Tgt Ion: 99 Resp: 1016704

Ion Ratio Lower Upper

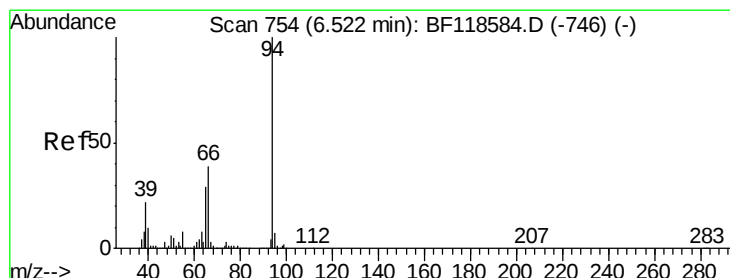
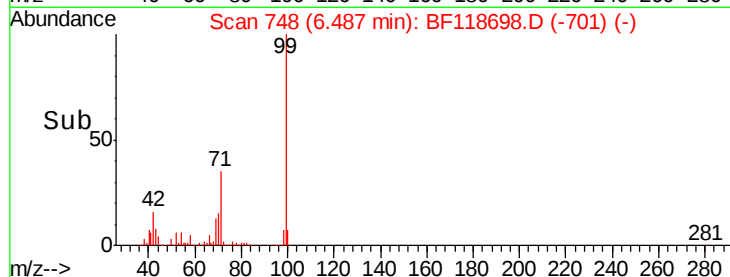
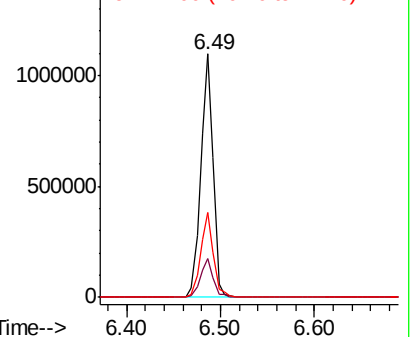
99 100

42 15.9 14.2 21.2

71 34.9 27.8 41.6



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



#10

Phenol

Concen: 3.207 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF118698.D

Acq: 24 Jan 2020 21:07

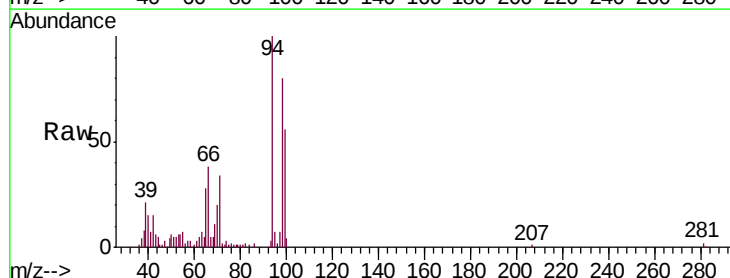
Tgt Ion: 94 Resp: 70257

Ion Ratio Lower Upper

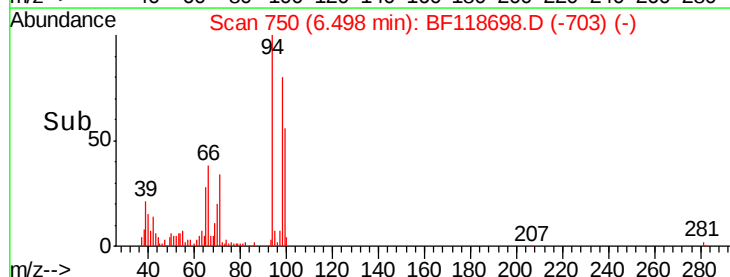
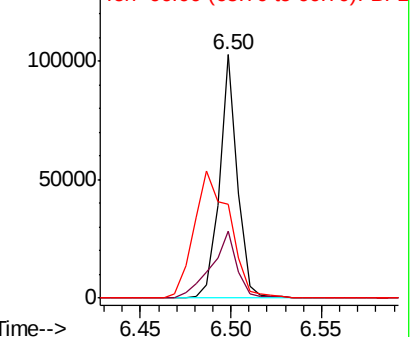
94 100

65 27.7 9.5 49.5

66 38.3 18.5 58.5



Abundance Ion 94.00 (93.70 to 94.70): BF1
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

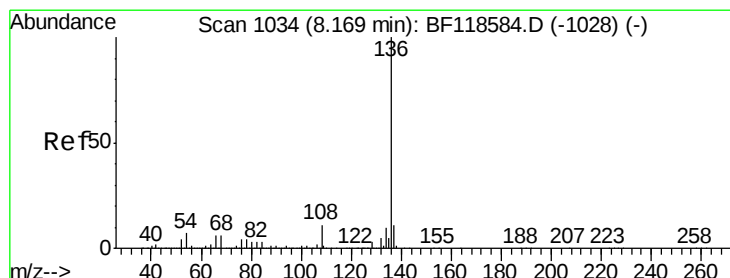
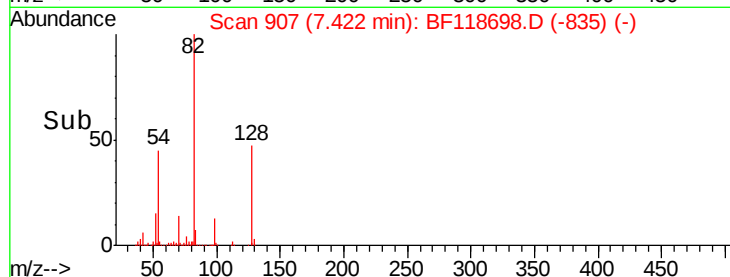
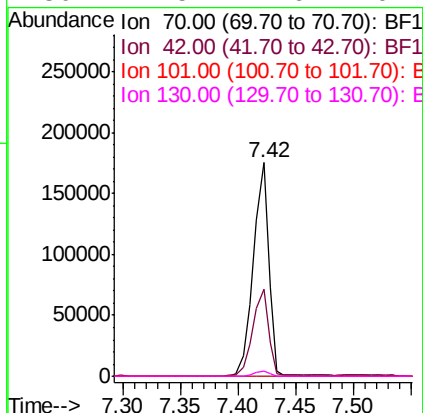
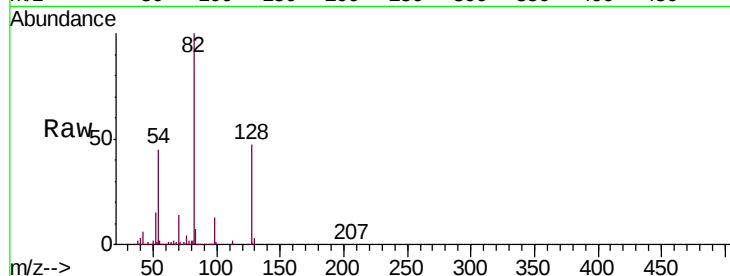




#19
n-Nitroso-di-n-propylamine
Concen: 12.725 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.12 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

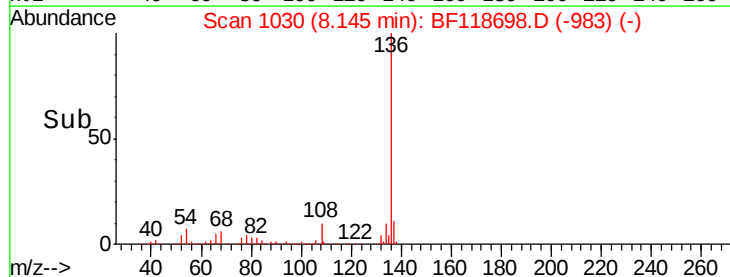
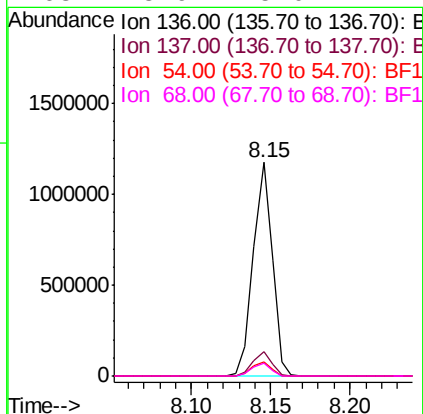
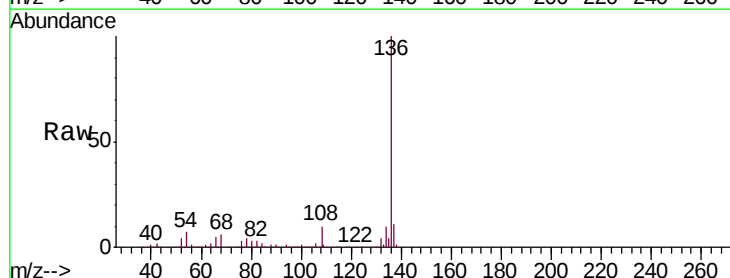
Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Tgt Ion:	70	Resp:	165163
Ion	Ratio	Lower	Upper
70	100		
42	40.5	43.4	65.0#
101	0.0	8.1	12.1#
130	2.5	17.6	26.4#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.02 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion:	136	Resp:	985891
Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.1	13.7
54	6.6	5.8	8.6
68	5.9	5.0	7.4

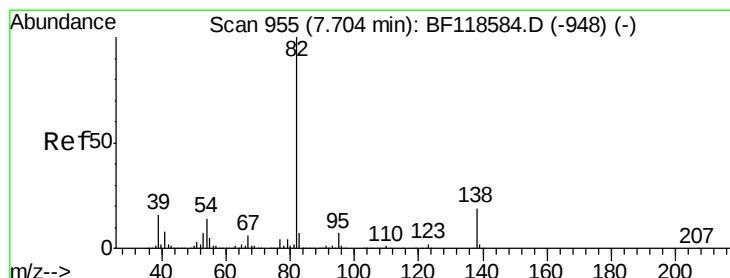
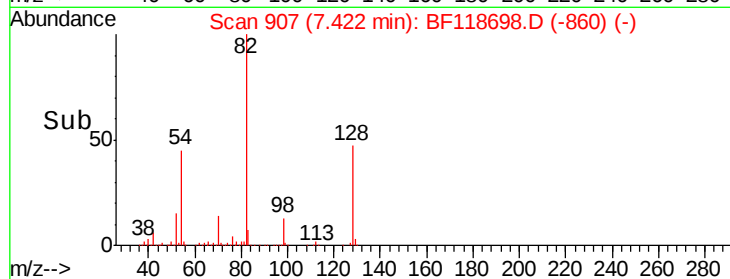
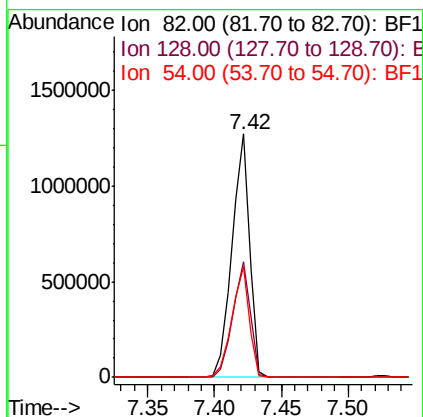
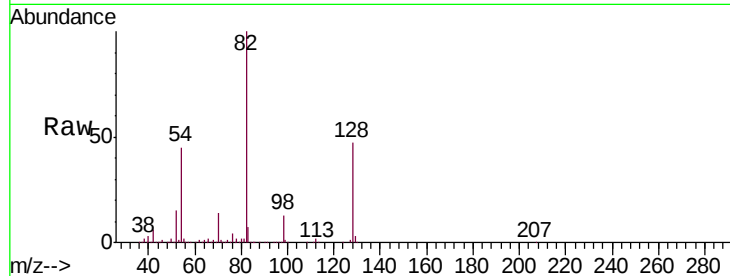




#23
 Nitrobenzene-d5
 Concen: 67.780 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: BF118698.D
 Acq: 24 Jan 2020 21:07

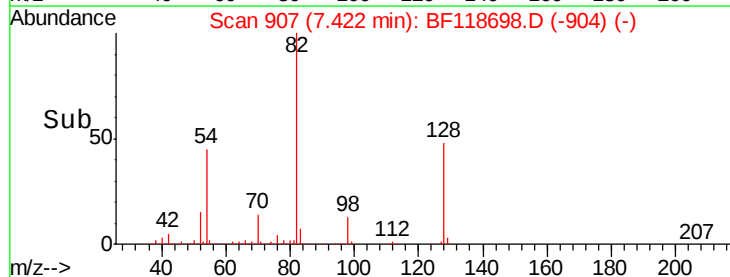
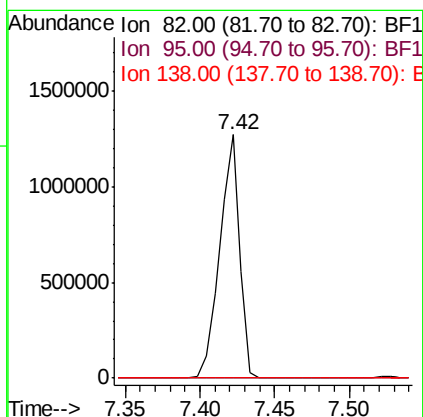
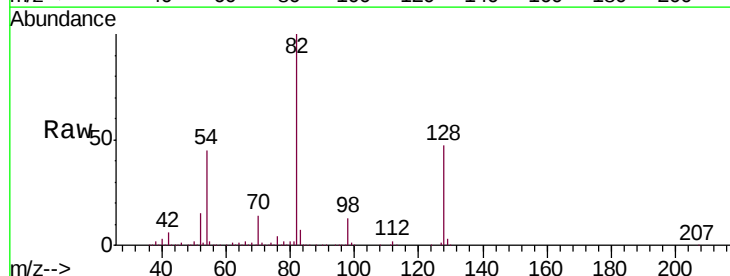
Instrument :
 BNA_F
 ClientSampleId :
 20200066-AMENDED-COMP-4

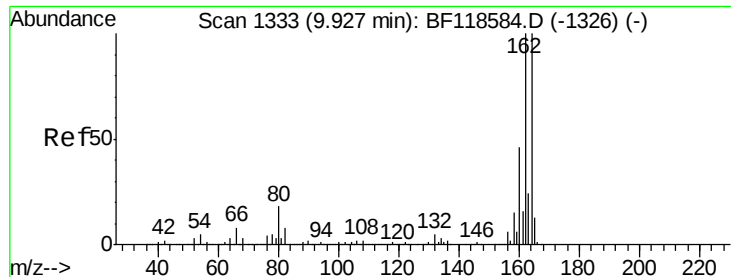
Tgt Ion: 82 Resp: 1194684
 Ion Ratio Lower Upper
 82 100
 128 47.3 36.6 54.8
 54 45.4 38.0 57.0



#25
 Isophorone
 Concen: 37.038 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.28 min
 Lab File: BF118698.D
 Acq: 24 Jan 2020 21:07

Tgt Ion: 82 Resp: 1190723
 Ion Ratio Lower Upper
 82 100
 95 0.0 5.9 8.9#
 138 0.0 15.3 22.9#

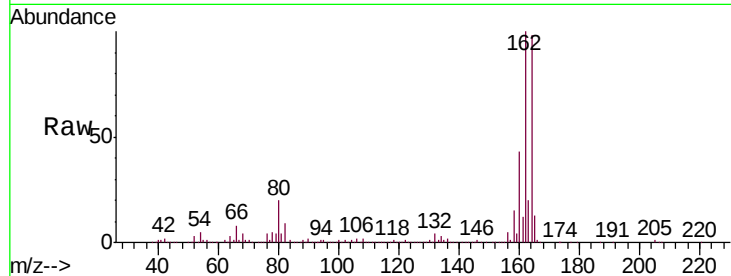




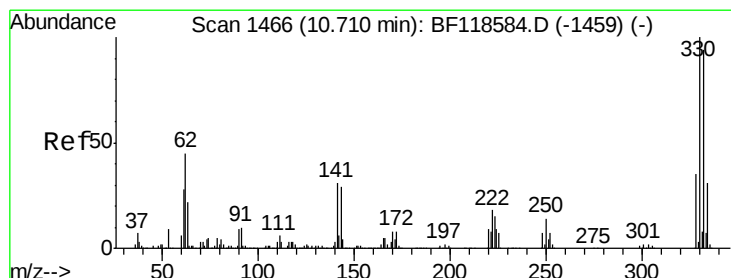
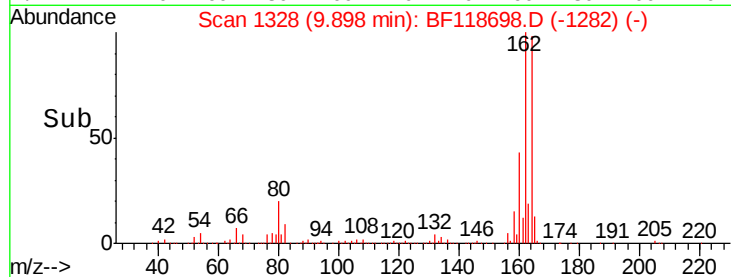
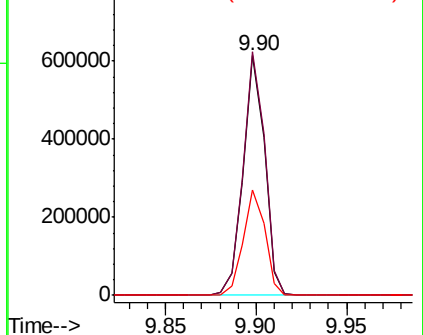
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Tgt Ion:164 Resp: 509323
Ion Ratio Lower Upper
164 100
162 101.7 80.4 120.6
160 43.9 36.6 55.0

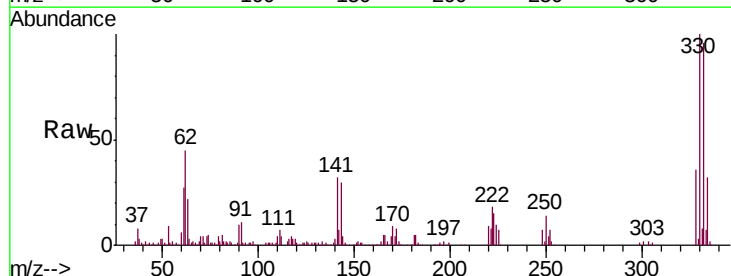


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

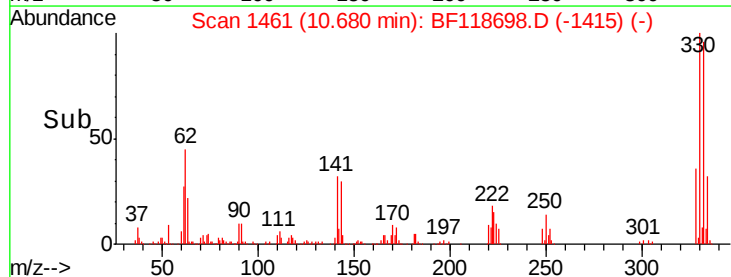
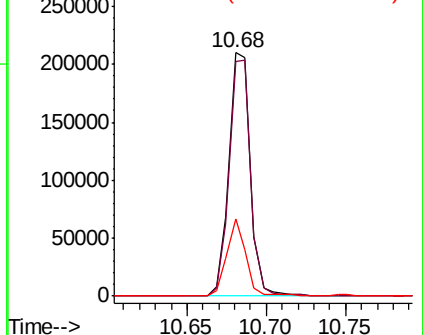


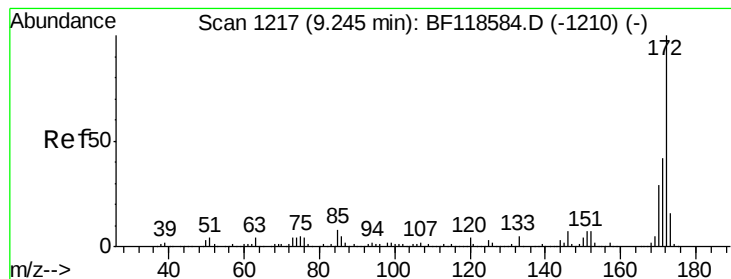
#42
2,4,6-Tribromophenol
Concen: 33.598 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.03 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion:330 Resp: 197926
Ion Ratio Lower Upper
330 100
332 97.1 76.2 114.4
141 27.4 23.9 35.9



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: 65.509 ng

RT: 9.22 min Scan# 1213

Delta R.T. -0.02 min

Lab File: BF118698.D

Acq: 24 Jan 2020 21:07

Instrument :

BNA_F

ClientSampleId :

20200066-AMENDED-COMP-4

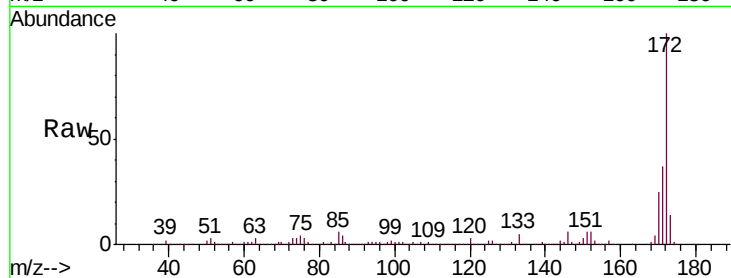
Tgt Ion:172 Resp: 2029980

Ion Ratio Lower Upper

172 100

171 37.1 33.4 50.2

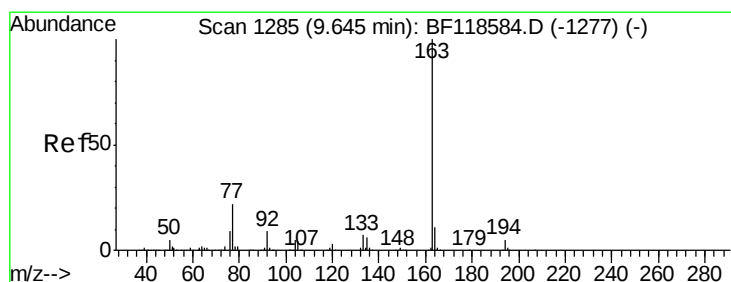
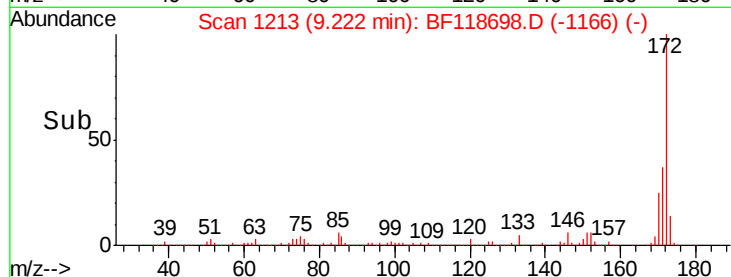
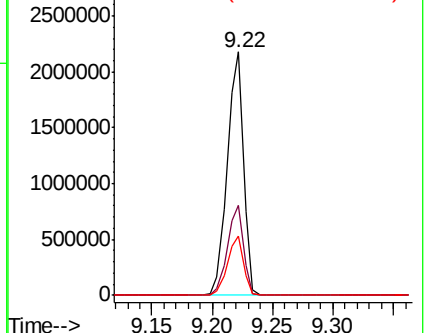
170 24.5 23.2 34.8



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: 10.838 ng

RT: 9.61 min Scan# 1279

Delta R.T. -0.04 min

Lab File: BF118698.D

Acq: 24 Jan 2020 21:07

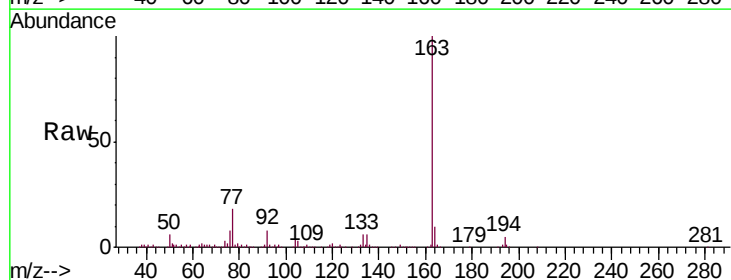
Tgt Ion:163 Resp: 359643

Ion Ratio Lower Upper

163 100

194 4.6 3.9 5.9

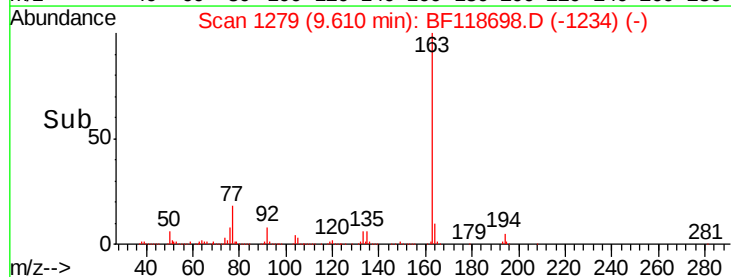
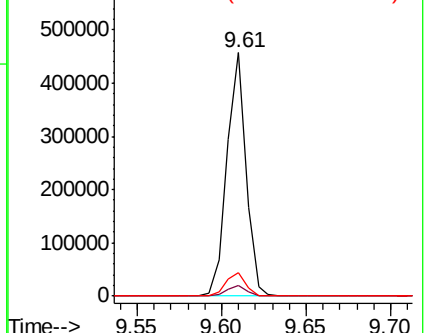
164 9.7 9.1 13.7

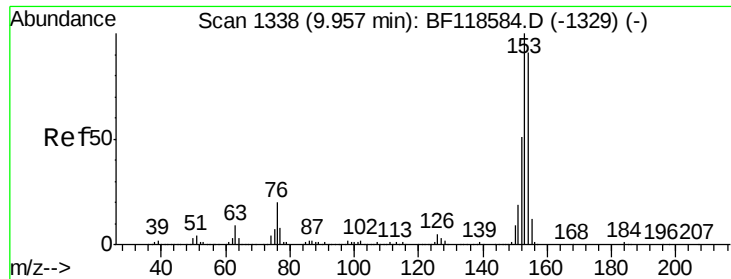


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#52

Acenaphthene

Concen: 2.303 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.03 min

Lab File: BF118698.D

Acq: 24 Jan 2020 21:07

Instrument :

BNA_F

ClientSampleId :

20200066-AMENDED-COMP-4

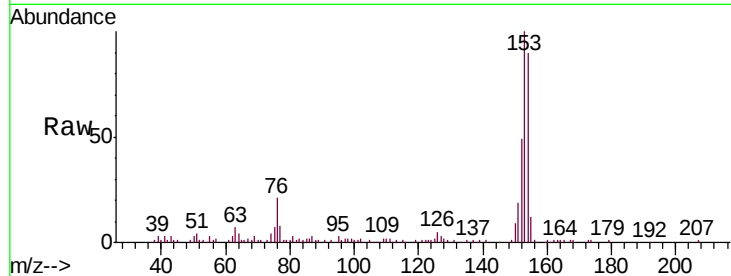
Tgt Ion:154 Resp: 64109

Ion Ratio Lower Upper

154 100

153 110.9 87.6 131.4

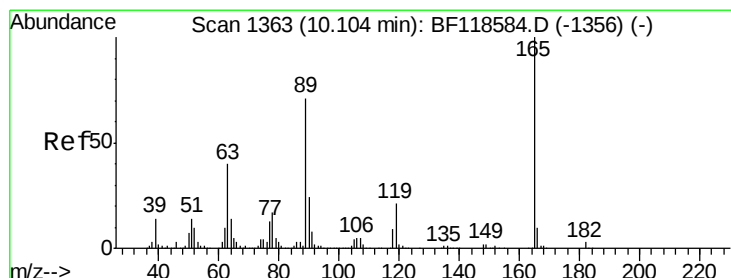
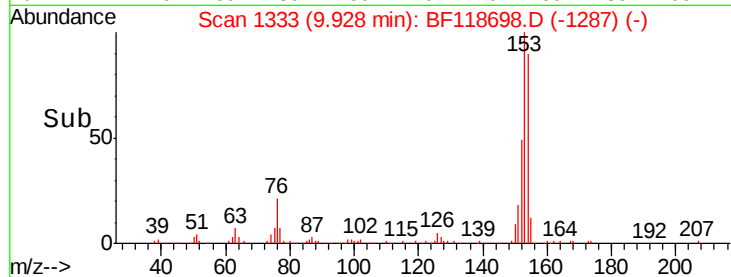
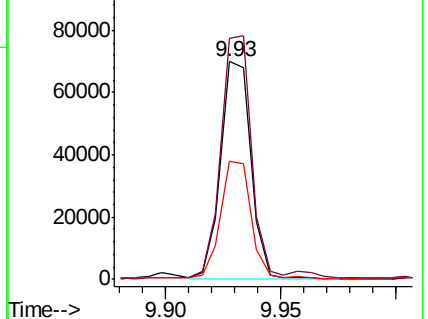
152 54.5 44.4 66.6



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#57

2,4-Dinitrotoluene

Concen: 7.287 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.21 min

Lab File: BF118698.D

Acq: 24 Jan 2020 21:07

Tgt Ion:165 Resp: 68257

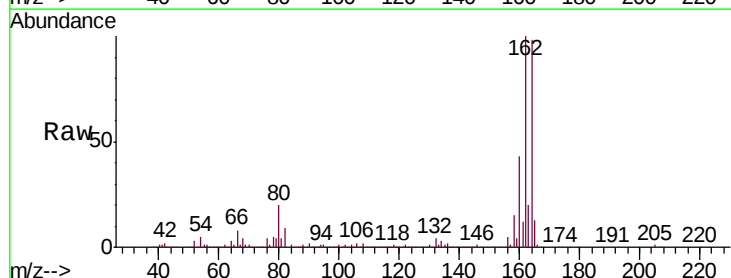
Ion Ratio Lower Upper

165 100

63 1.1 32.4 48.6#

89 1.6 56.4 84.6#

182 0.0 2.3 3.5#

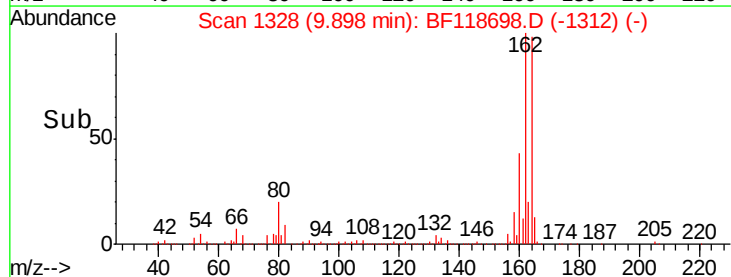
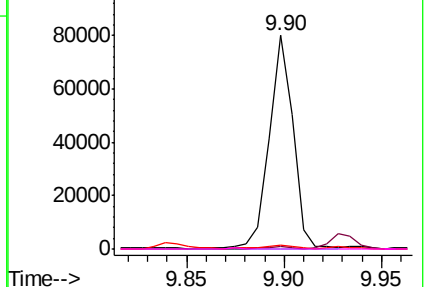


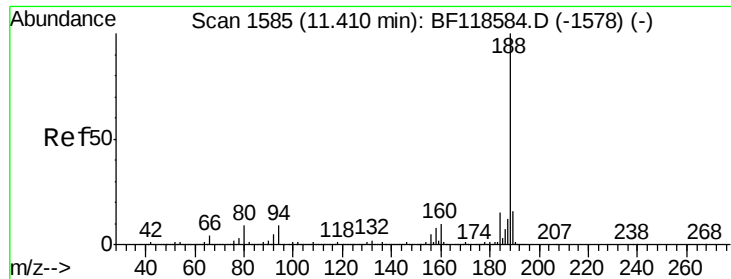
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

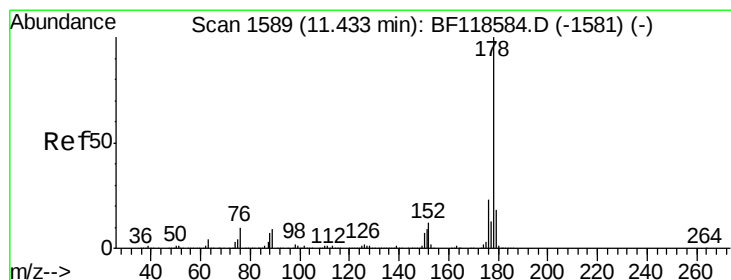
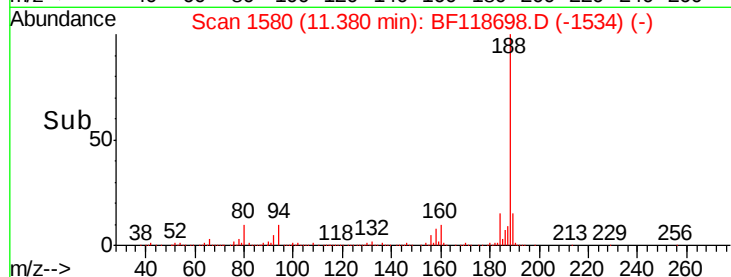
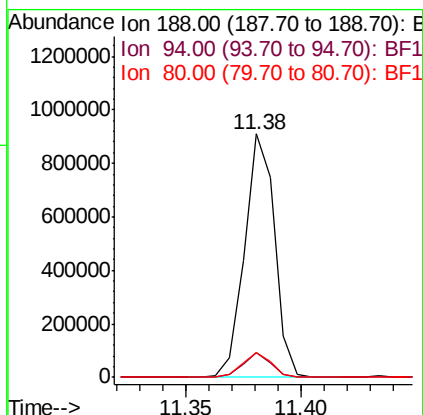
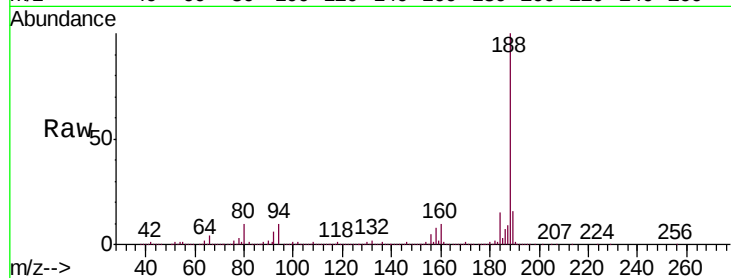




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.38 min Scan# 1580
 Delta R.T. -0.03 min
 Lab File: BF118698.D
 Acq: 24 Jan 2020 21:07

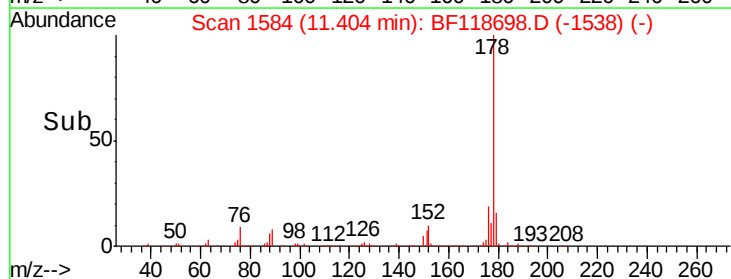
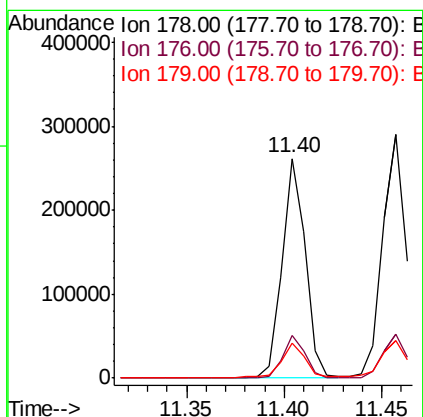
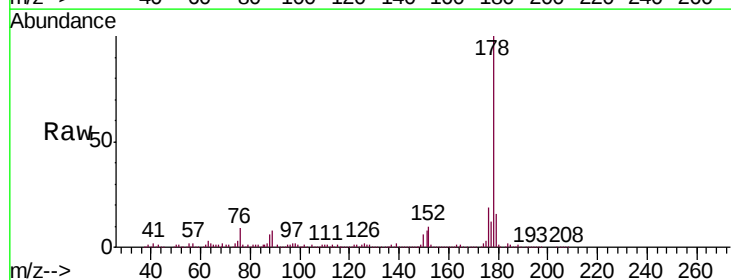
Instrument :
 BNA_F
 ClientSampleId :
 20200066-AMENDED-COMP-4

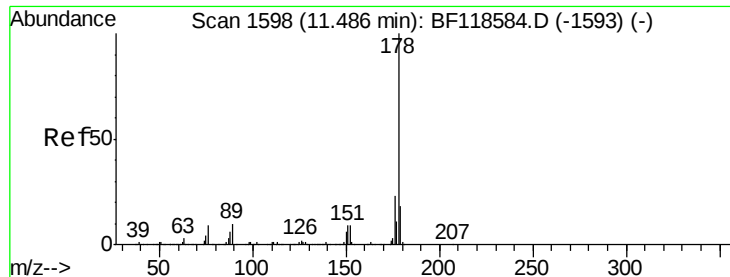
Tgt Ion:188 Resp: 827481
 Ion Ratio Lower Upper
 188 100
 94 10.0 7.1 10.7
 80 10.3 7.5 11.3



#71
 Phenanthrene
 Concen: 5.372 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.03 min
 Lab File: BF118698.D
 Acq: 24 Jan 2020 21:07

Tgt Ion:178 Resp: 214476
 Ion Ratio Lower Upper
 178 100
 176 19.4 18.6 27.8
 179 16.0 14.7 22.1

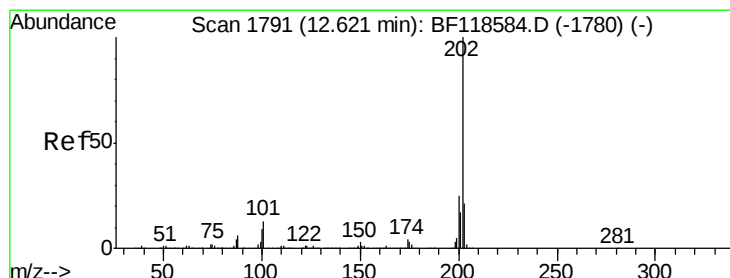
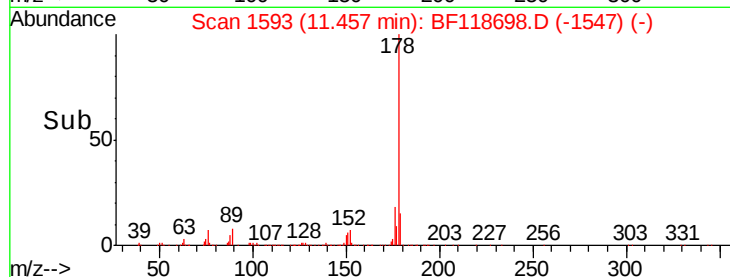
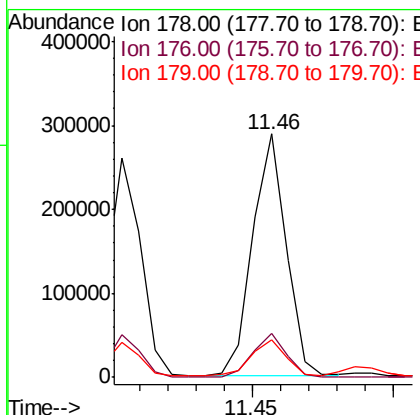
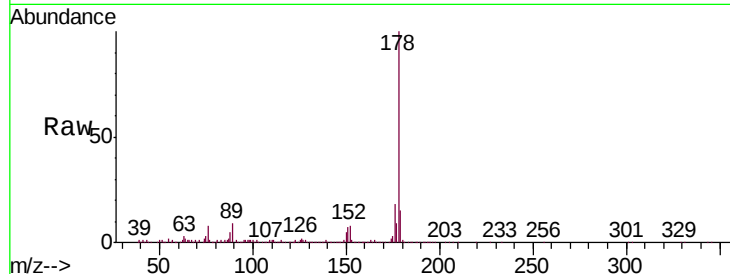




#72
 Anthracene
 Concen: 6.053 ng
 RT: 11.46 min Scan# 1593
 Delta R.T. -0.03 min
 Lab File: BF118698.D
 Acq: 24 Jan 2020 21:07

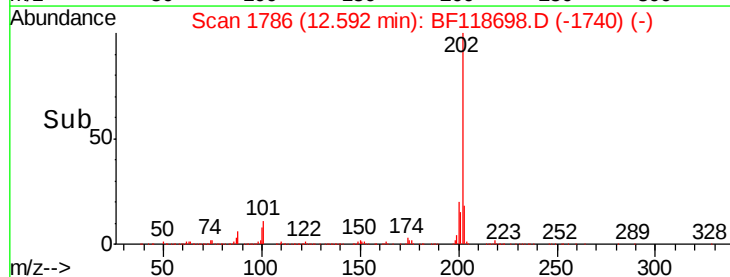
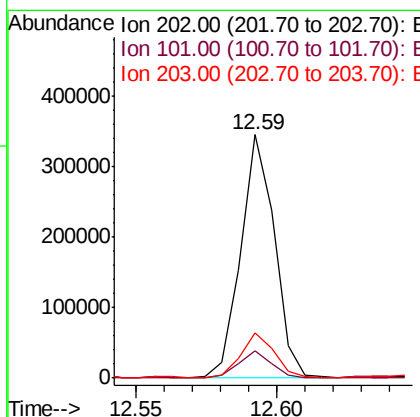
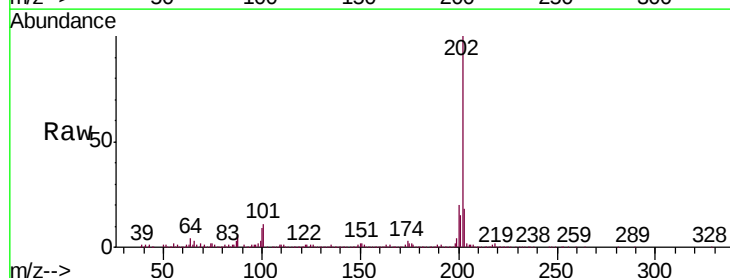
Instrument :
 BNA_F
 ClientSampleId :
 20200066-AMENDED-COMP-4

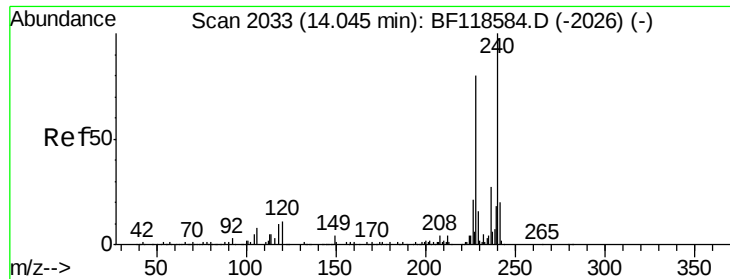
Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.2	18.0	27.0
179	15.4	14.7	22.1



#75
 Fluoranthene
 Concen: 6.766 ng
 RT: 12.59 min Scan# 1786
 Delta R.T. -0.03 min
 Lab File: BF118698.D
 Acq: 24 Jan 2020 21:07

Tgt Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	32.5
203	18.4	0.8	40.8

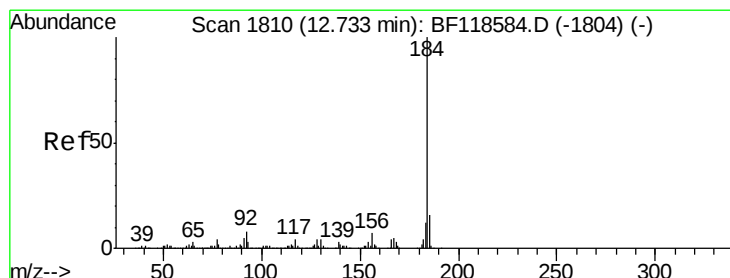
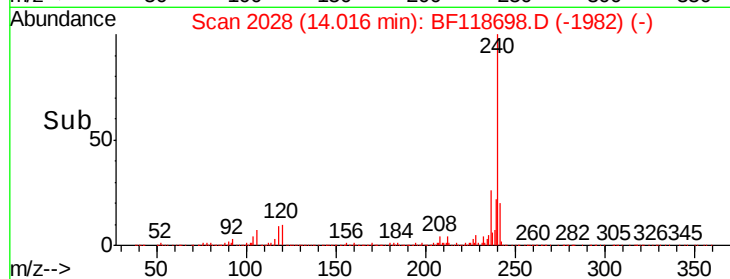
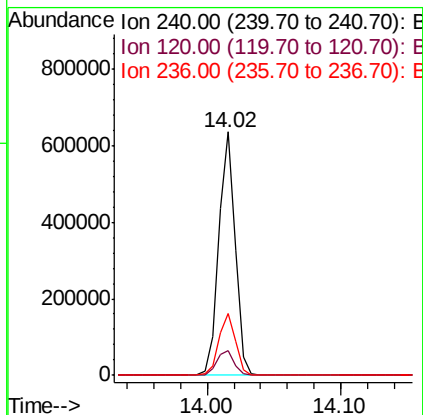
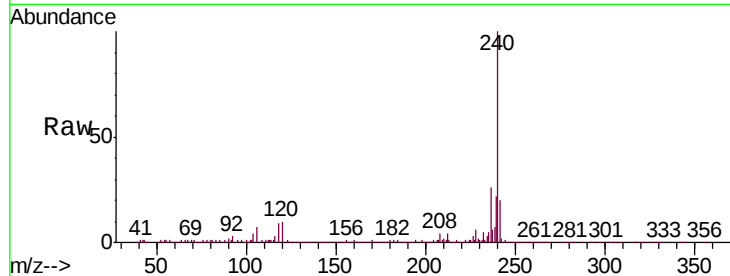




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.03 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

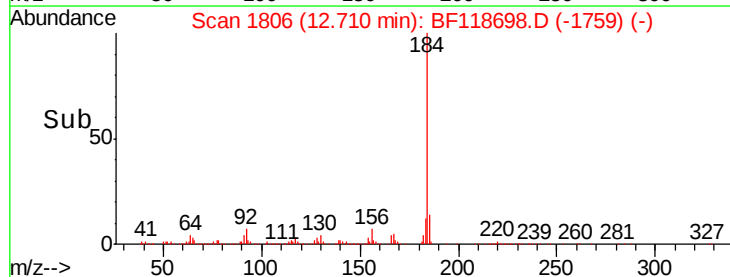
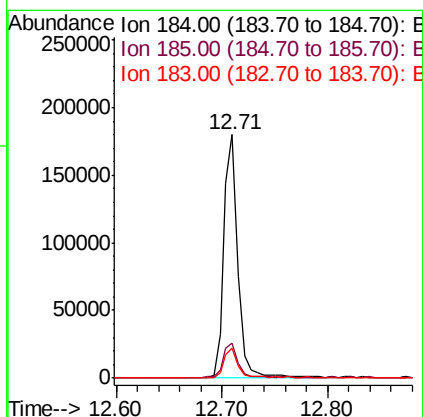
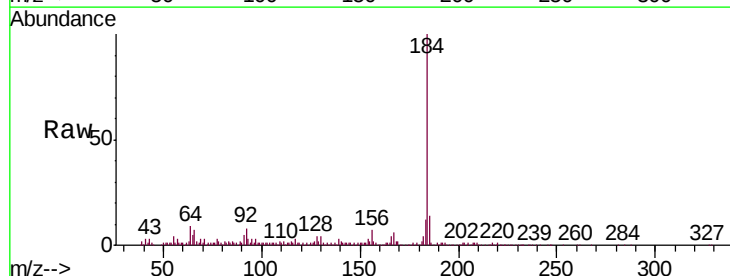
Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

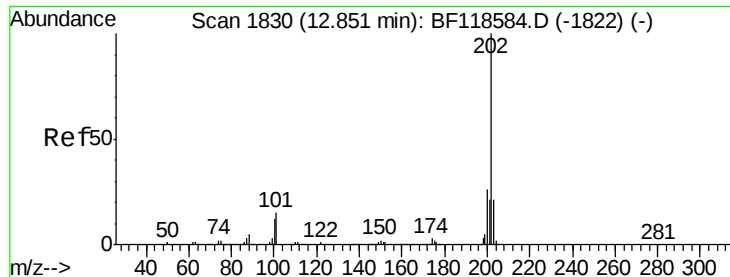
Tgt Ion:240 Resp: 553978
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 25.7 21.5 32.3



#77
Benzidine
Concen: 11.444 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion:184 Resp: 169394
Ion Ratio Lower Upper
184 100
185 14.3 12.9 19.3
183 12.2 9.6 14.4

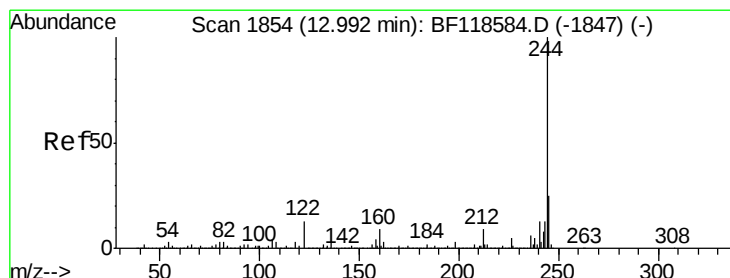
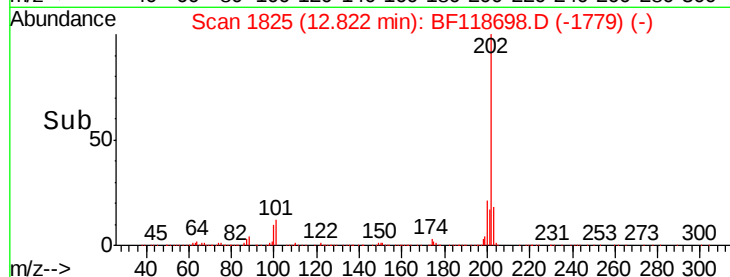
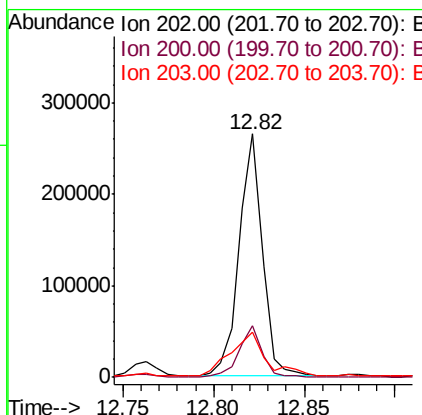
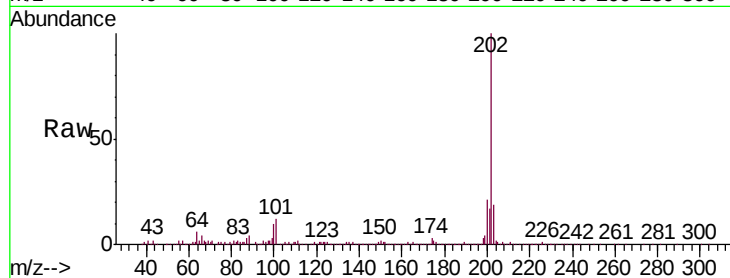




#78
Pyrene
Concen: 6.315 ng
RT: 12.82 min Scan# 1825
Delta R.T. -0.03 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

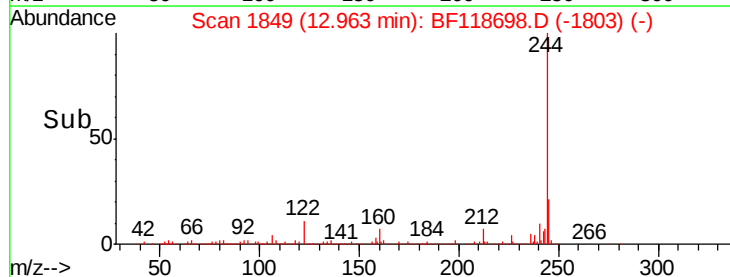
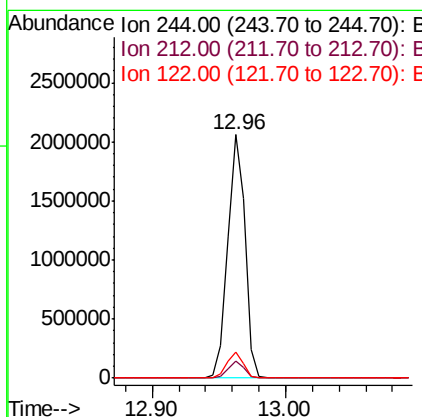
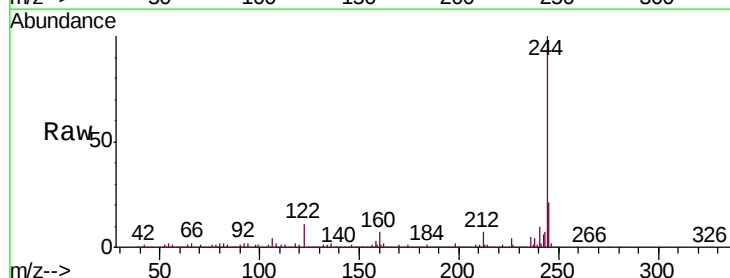
Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

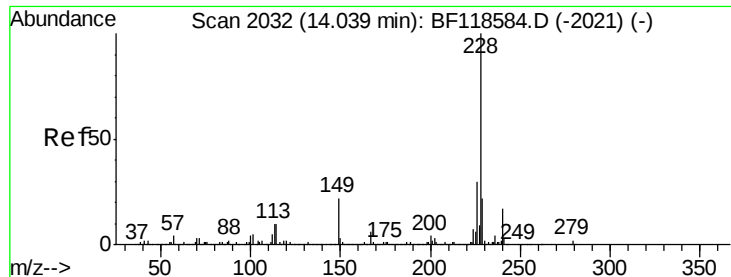
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	20.6	31.0
203	18.7	16.8	25.2



#79
Terphenyl-d14
Concen: 74.206 ng
RT: 12.96 min Scan# 1849
Delta R.T. -0.03 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.8	7.0	10.4#
122	10.8	10.7	16.1

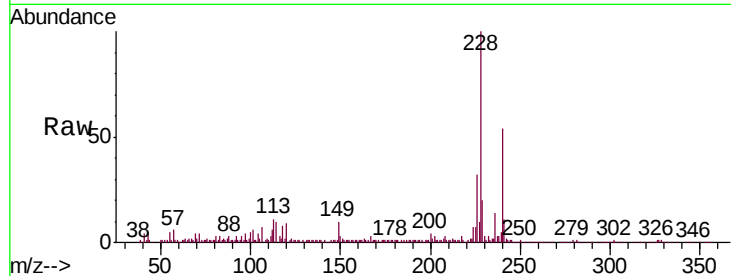




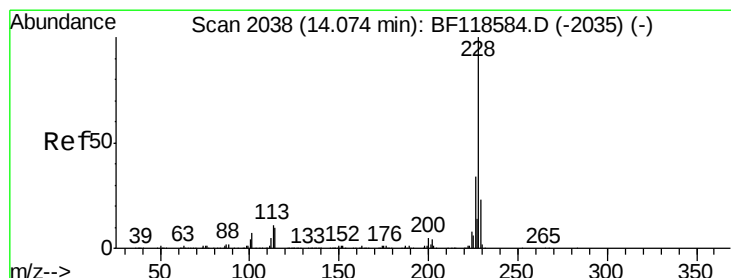
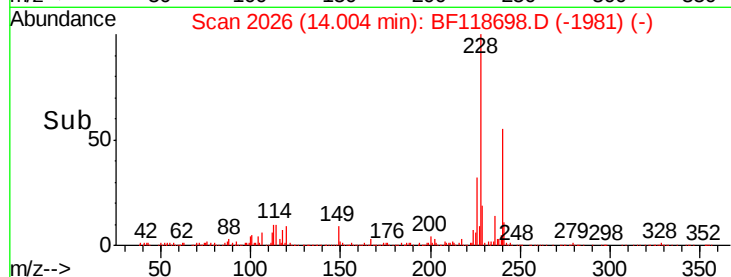
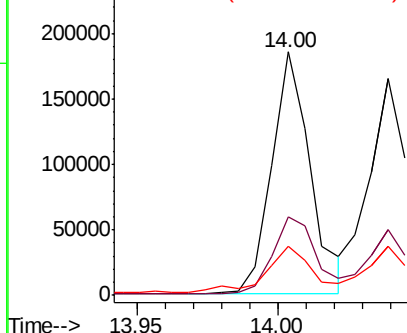
#81
Benzo(a)anthracene
Concen: 5.280 ng
RT: 14.00 min Scan# 2026
Delta R.T. -0.04 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

Tgt Ion:228 Resp: 175964
Ion Ratio Lower Upper
228 100
226 32.3 24.1 36.1
229 19.9 17.6 26.4

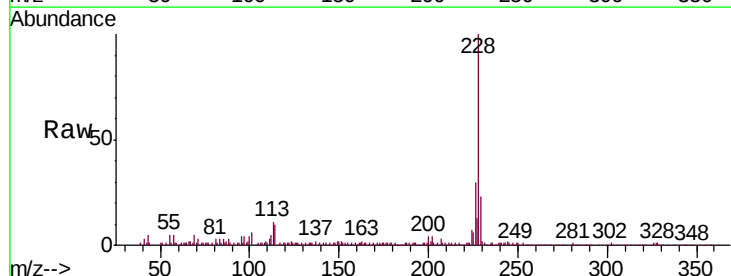


Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E

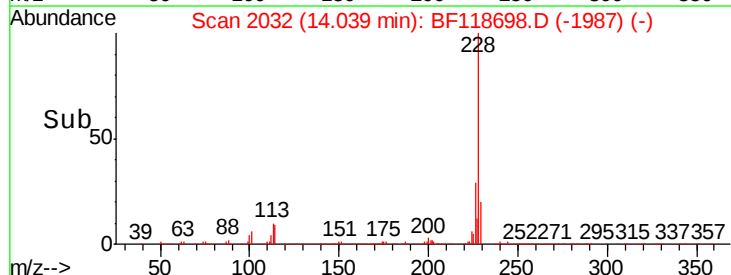
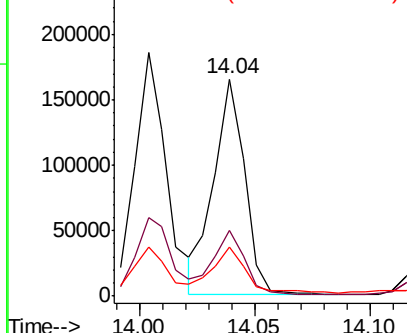


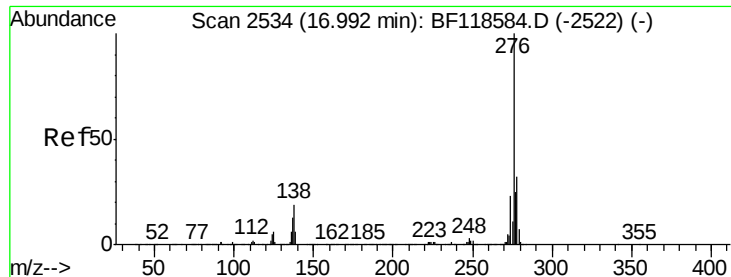
#83
Chrysene
Concen: 4.818 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.04 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion:228 Resp: 153894
Ion Ratio Lower Upper
228 100
226 30.1 27.4 41.0
229 22.5 18.3 27.5



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

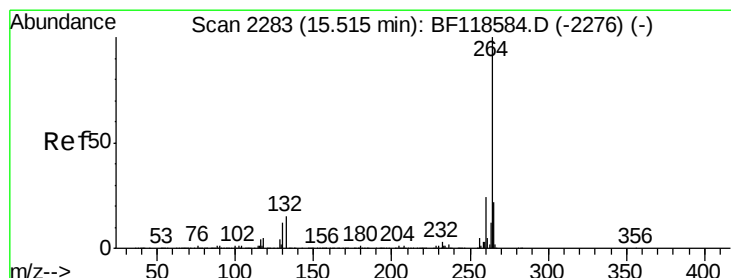
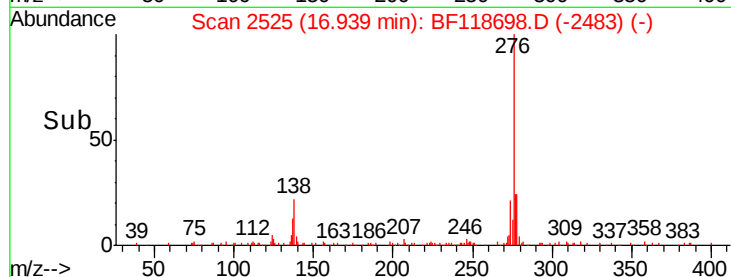
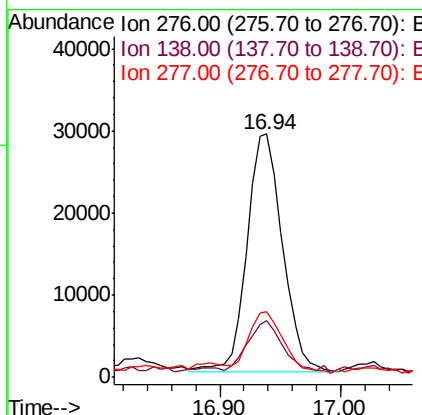
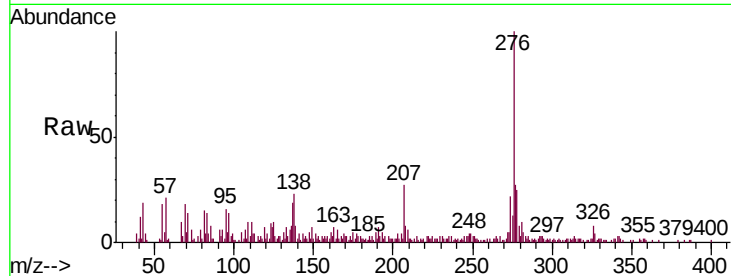




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.139 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. -0.05 min
 Lab File: BF118698.D
 Acq: 24 Jan 2020 21:07

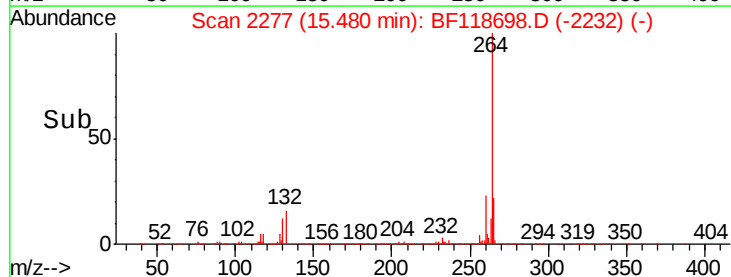
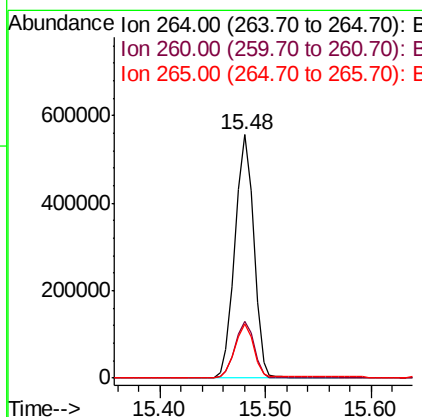
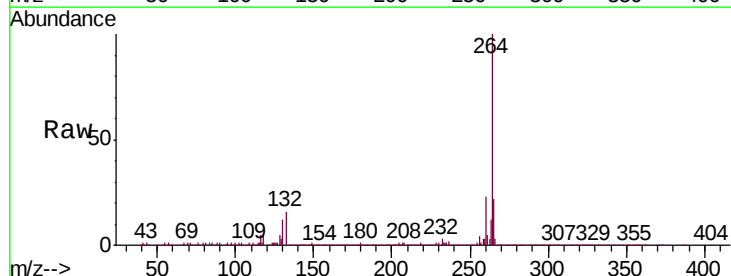
Instrument :
 BNA_F
 ClientSampleId :
 20200066-AMENDED-COMP-4

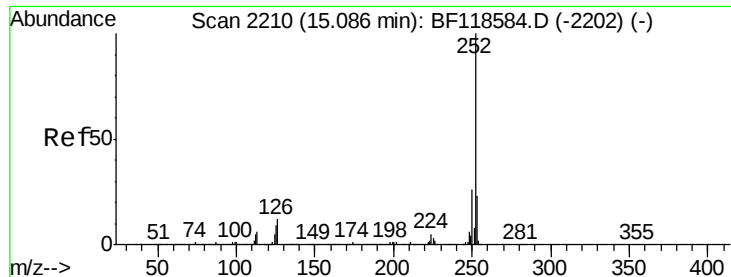
Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.5	17.2	25.8
277	25.8	20.5	30.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. -0.04 min
 Lab File: BF118698.D
 Acq: 24 Jan 2020 21:07

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.3	19.6	29.4
265	22.3	17.7	26.5

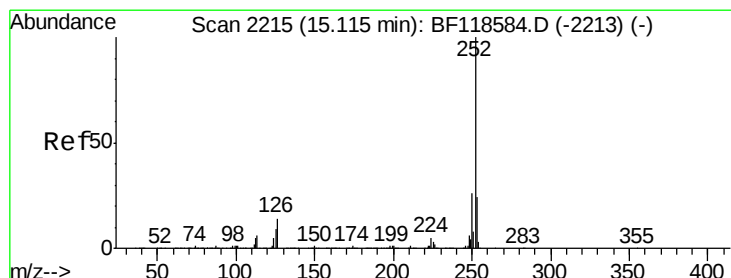
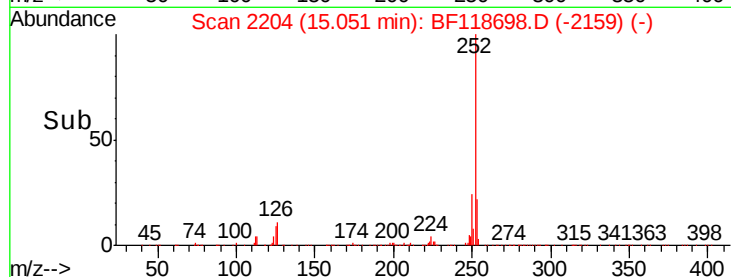
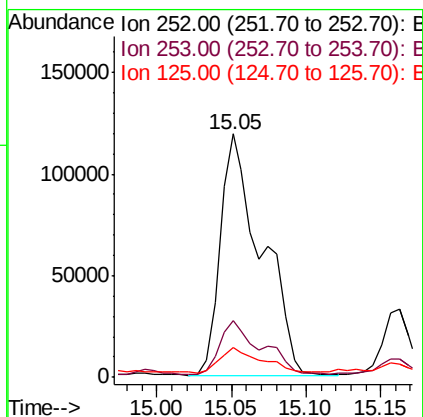
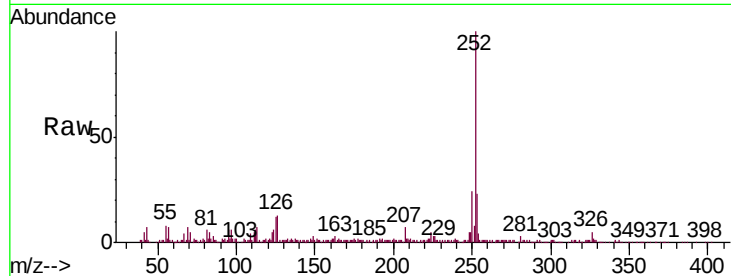




#88
Benzo(b)fluoranthene
Concen: 5.335 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

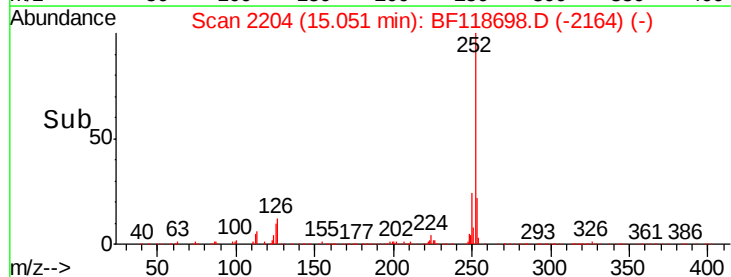
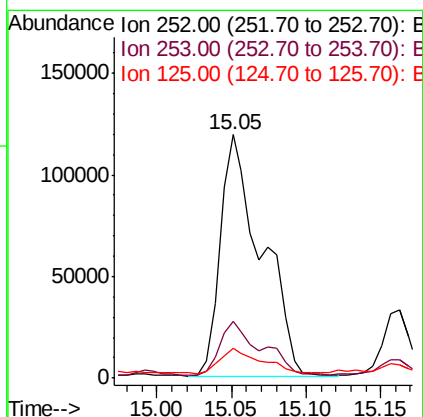
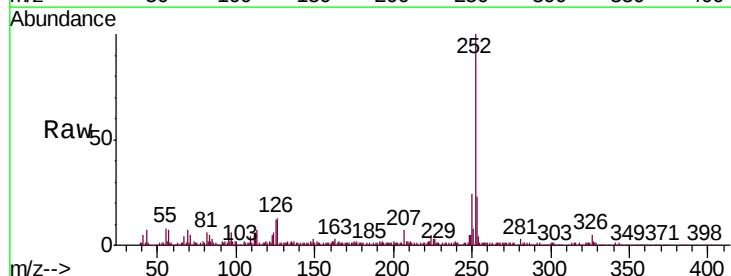
Instrument :
BNA_F
ClientSampleId :
20200066-AMENDED-COMP-4

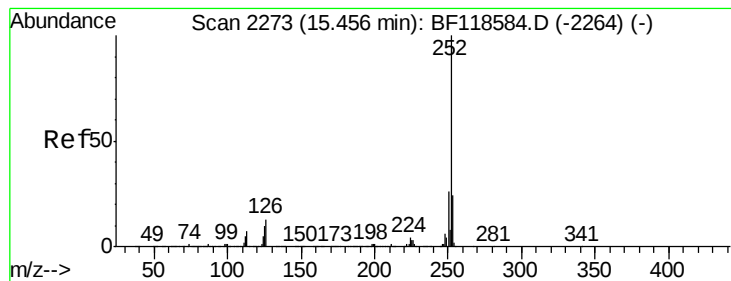
Tgt Ion:252 Resp: 228303
Ion Ratio Lower Upper
252 100
253 23.3 18.7 28.1
125 12.3 7.3 10.9#



#89
Benzo(k)fluoranthene
Concen: 5.759 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.06 min
Lab File: BF118698.D
Acq: 24 Jan 2020 21:07

Tgt Ion:252 Resp: 228303
Ion Ratio Lower Upper
252 100
253 23.3 19.0 28.4
125 12.3 7.6 11.4#





#90
 Benzo(a)pyrene
 Concen: 3.834 ng
 RT: 15.42 min Scan# 2266
 Delta R.T. -0.04 min
 Lab File: BF118698.D
 Acq: 24 Jan 2020 21:07

Instrument :
 BNA_F
 ClientSampleId :
 20200066-AMENDED-COMP-4

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	18.8	28.2
125	11.3	7.8	11.6

