

Data File : BF118697.D
Acq On : 24 Jan 2020 20:39
Operator : CG/JU
Sample : L1242-14
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
20200067-AMENDED-COMP-5

Quant Time: Jan 27 01:05:55 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	248088	20.00	ng	-0.02
21) Naphthalene-d8	8.15	136	890049	20.00	ng	-0.02
39) Acenaphthene-d10	9.90	164	472242	20.00	ng	-0.03
64) Phenanthrene-d10	11.38	188	822677	20.00	ng	-0.03
76) Chrysene-d12	14.02	240	509448	20.00	ng	-0.03
87) Perylene-d12	15.48	264	639307	20.00	ng	-0.04

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	79331	5.94	ng	-0.02
7) Phenol-d6	6.49	99	474370	27.32	ng	-0.02
23) Nitrobenzene-d5	7.42	82	966355	60.73	ng	-0.02
42) 2,4,6-Tribromophenol	10.68	330	24918	4.56	ng	-0.03
45) 2-Fluorobiphenyl	9.22	172	1589712	55.33	ng	-0.02
79) Terphenyl-d14	12.96	244	1502495	64.33	ng	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.50	94	80415	4.064	ng	95
19) n-Nitroso-di-n-propylamine	7.42	70	130990	11.174	ng	# 75
25) Isophorone	7.42	82	964382	33.227	ng	# 64
50) Dimethylphthalate	9.61	163	335515	10.905	ng	98
57) 2,4-Dinitrotoluene	9.90	165	64182	7.390	ng	# 25
71) Phenanthrene	11.40	178	130503	3.288	ng	92
75) Fluoranthene	12.59	202	175712	4.198	ng	94
77) Benzidine	12.71	184	174671	12.832	ng	98
78) Pyrene	12.82	202	202705	5.861	ng	92
81) Benzo(a)anthracene	14.04	228	152960	4.991	ng	100
83) Chrysene	14.04	228	152960	5.208	ng	95
86) Indeno(1,2,3-cd)pyrene	16.94	276	72190	2.829	ng	98
88) Benzo(b)fluoranthene	15.05	252	219805	5.470	ng	# 97
89) Benzo(k)fluoranthene	15.05	252	219805	5.904	ng	# 97
90) Benzo(a)pyrene	15.42	252	153763	4.436	ng	# 98
92) Benzo(g,h,i)perylene	17.38	276	71274	2.394	ng	97

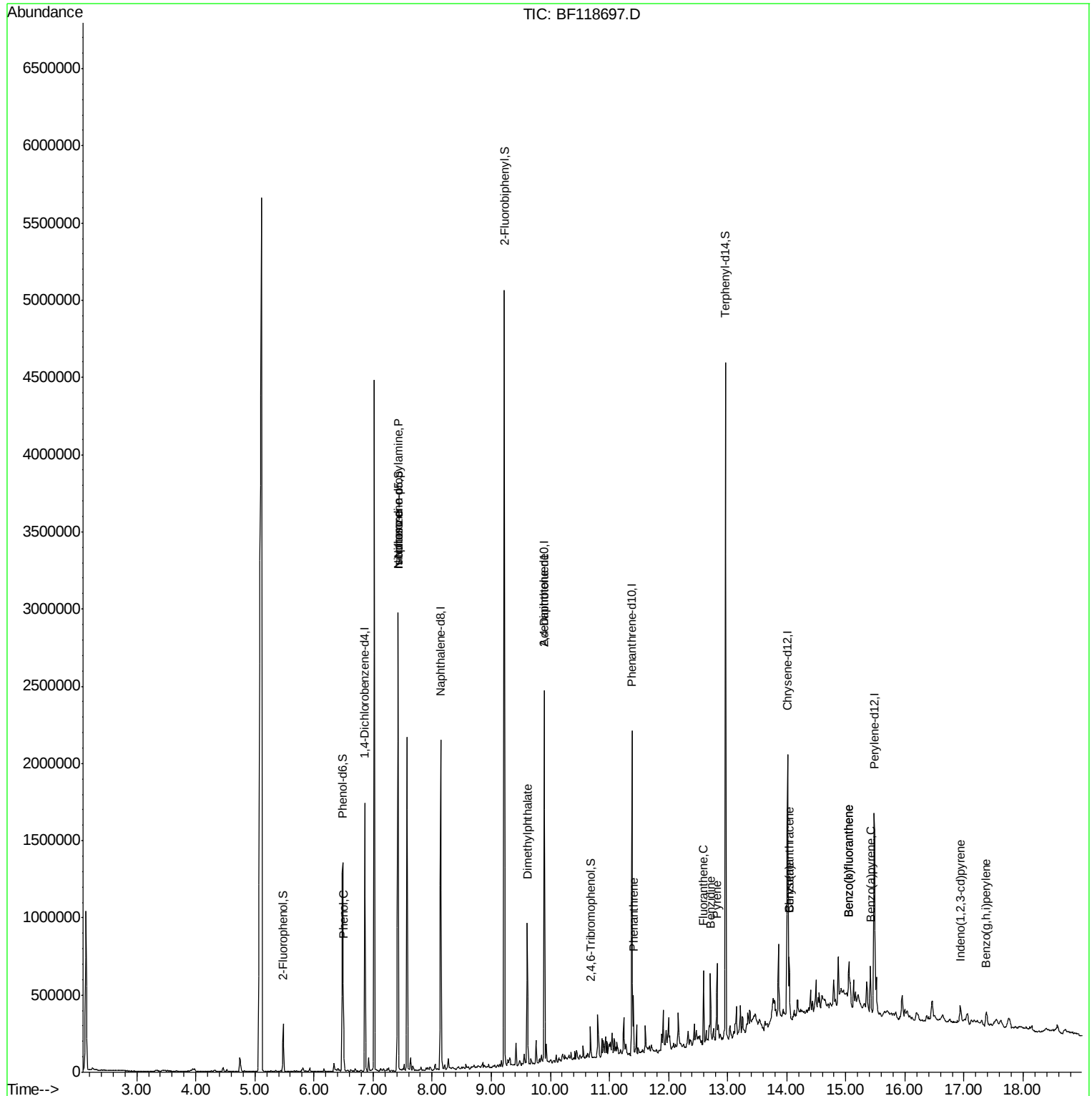
(#) = qualifier out of range (m) = manual integration (+) = signals summed

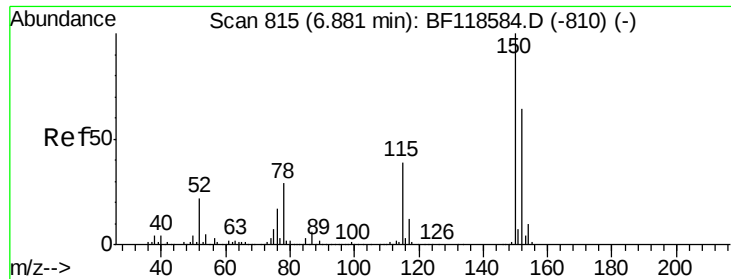
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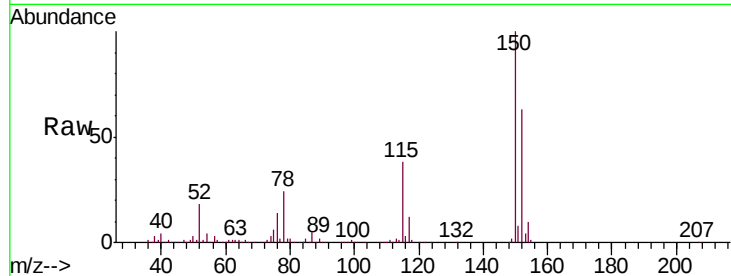


#1

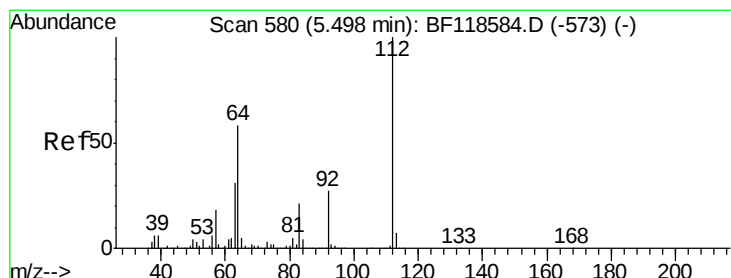
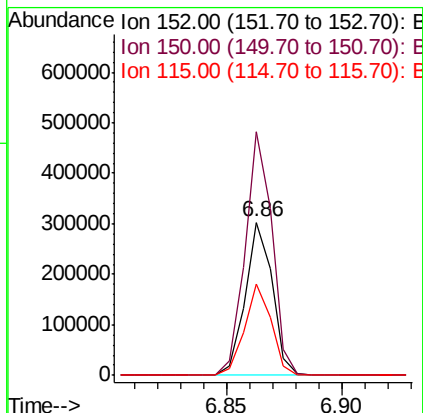
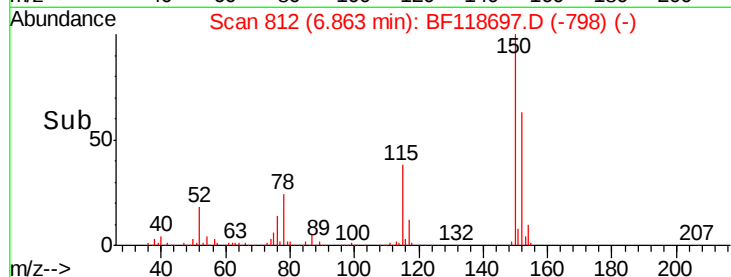
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.86 min Scan# 812
Delta R.T. -0.02 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

Instrument :
BNA_F
ClientSampleId :
20200067-AMENDED-COMP-5

Tgt Ion:152 Resp: 248088
Ion Ratio Lower Upper
152 100
150 158.8 125.6 188.4
115 59.8 48.4 72.6



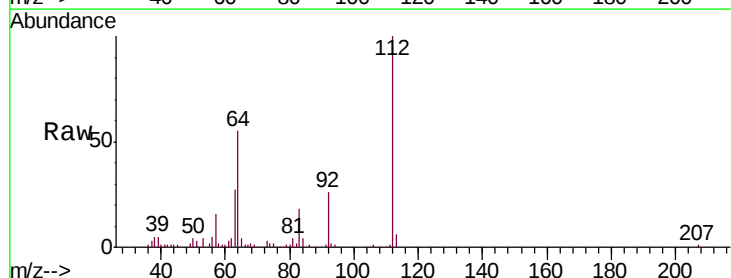
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



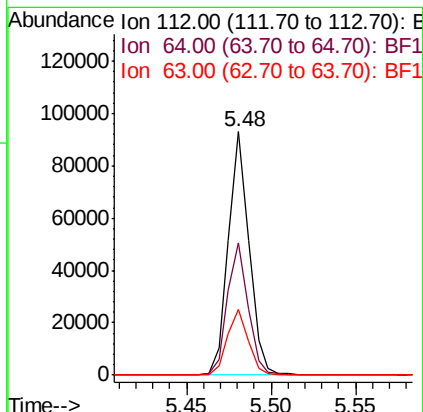
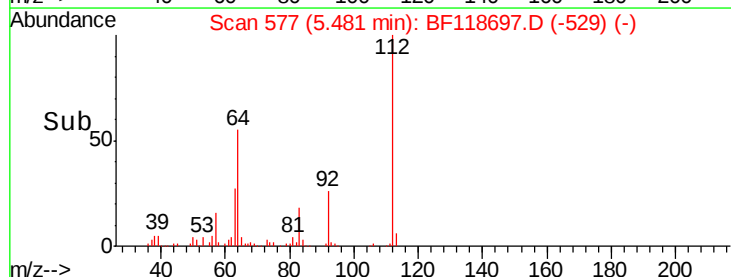
#5

2-Fluorophenol
Concen: 5.939 ng
RT: 5.48 min Scan# 577
Delta R.T. -0.02 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

Tgt Ion:112 Resp: 79331
Ion Ratio Lower Upper
112 100
64 54.5 46.6 70.0
63 27.1 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: 27.323 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.02 min

Lab File: BF118697.D

Acq: 24 Jan 2020 20:39

Instrument :

BNA_F

ClientSampleId :

20200067-AMENDED-COMP-5

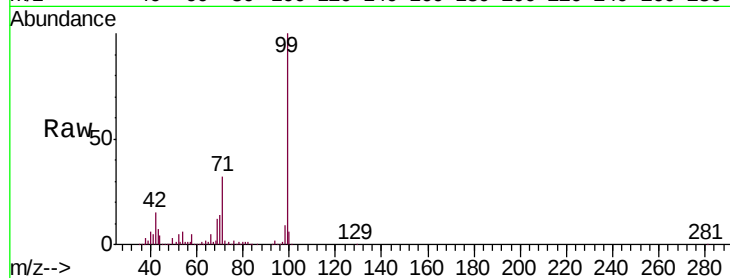
Tgt Ion: 99 Resp: 474370

Ion Ratio Lower Upper

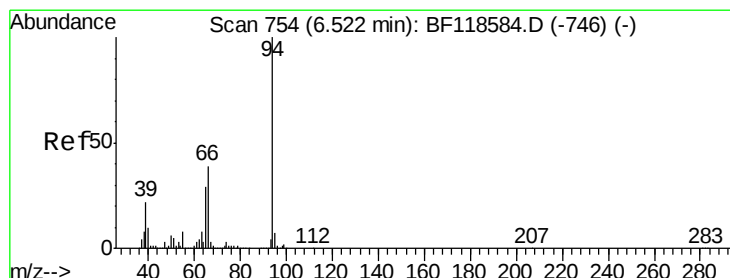
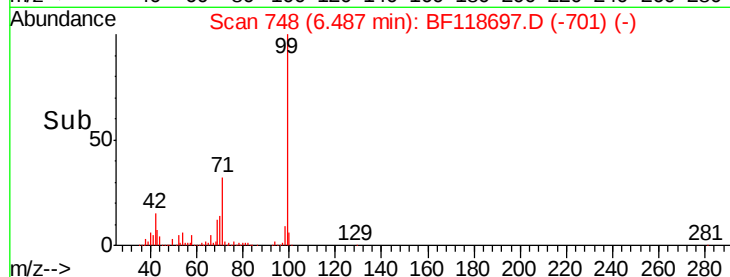
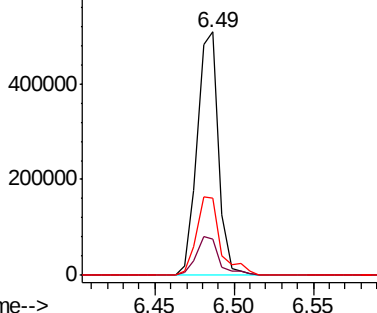
99 100

42 15.0 14.2 21.2

71 31.6 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: 4.064 ng

RT: 6.50 min Scan# 750

Delta R.T. -0.02 min

Lab File: BF118697.D

Acq: 24 Jan 2020 20:39

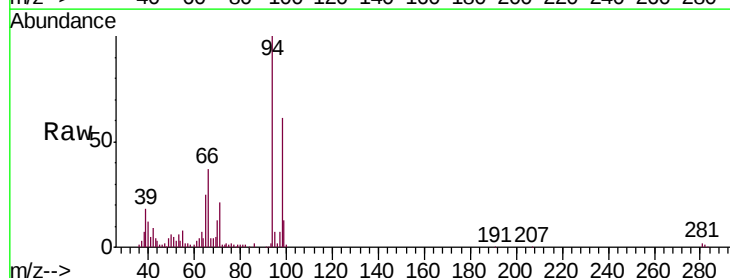
Tgt Ion: 94 Resp: 80415

Ion Ratio Lower Upper

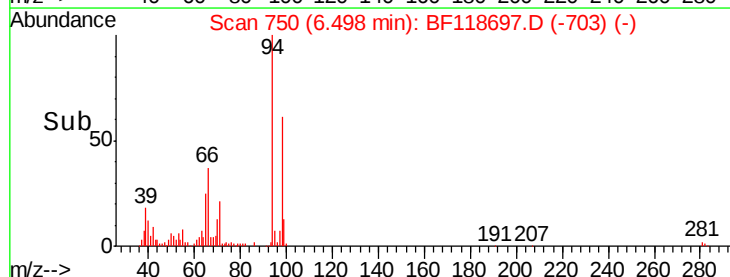
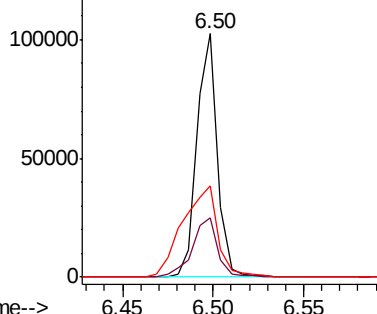
94 100

65 24.5 9.5 49.5

66 37.3 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

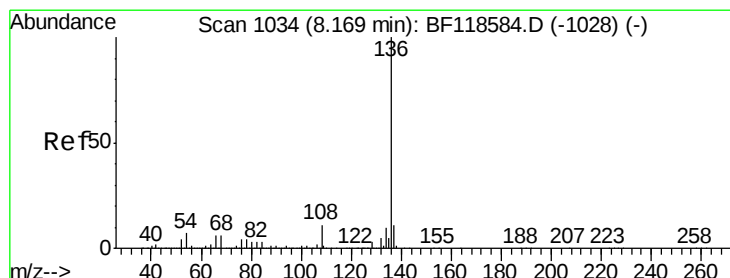
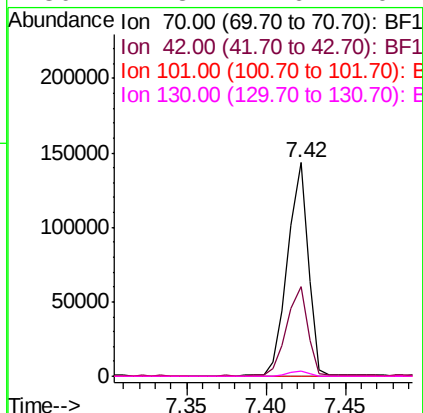
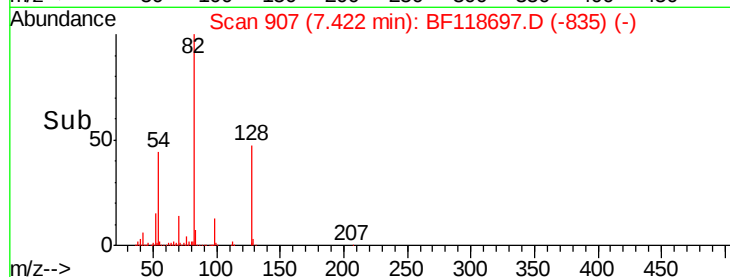
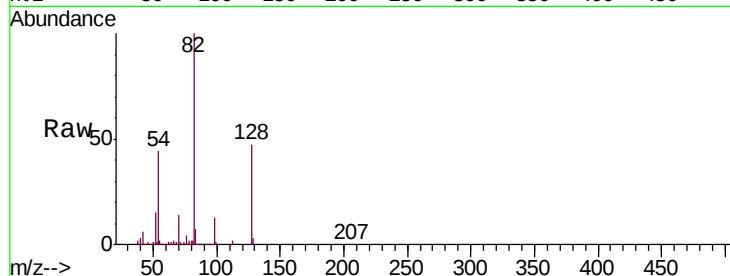




#19
n-Nitroso-di-n-propylamine
Concen: 11.174 ng
RT: 7.42 min Scan# 907
Delta R.T. 0.12 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

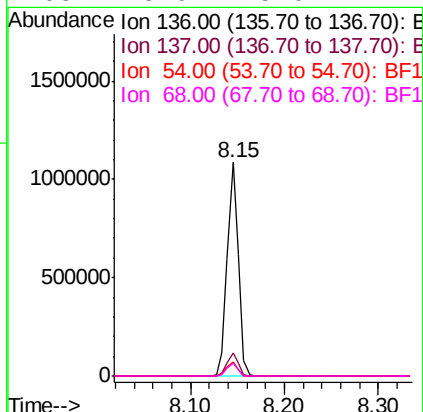
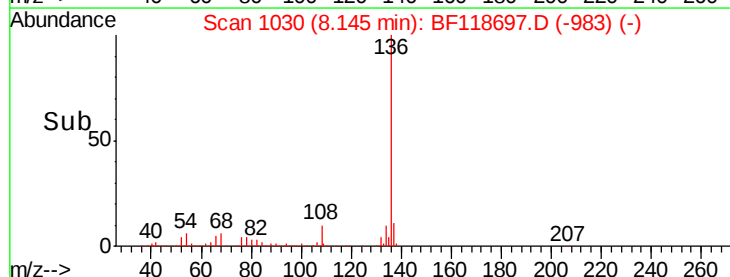
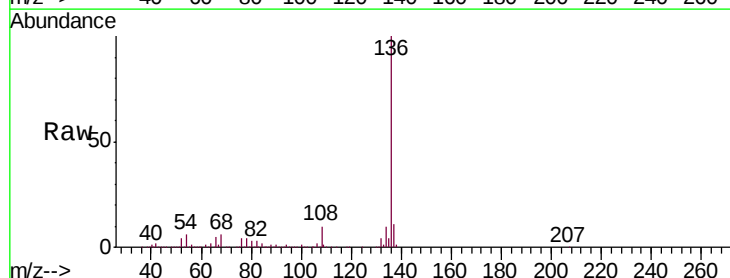
Instrument :
BNA_F
ClientSampleId :
20200067-AMENDED-COMP-5

Tgt Ion: 70 Resp: 130990
Ion Ratio Lower Upper
70 100
42 41.7 43.4 65.0#
101 0.0 8.1 12.1#
130 2.3 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: BF118697.D
Acq: 24 Jan 2020 20:39

Tgt Ion: 136 Resp: 890049
Ion Ratio Lower Upper
136 100
137 11.0 9.1 13.7
54 6.5 5.8 8.6
68 5.9 5.0 7.4

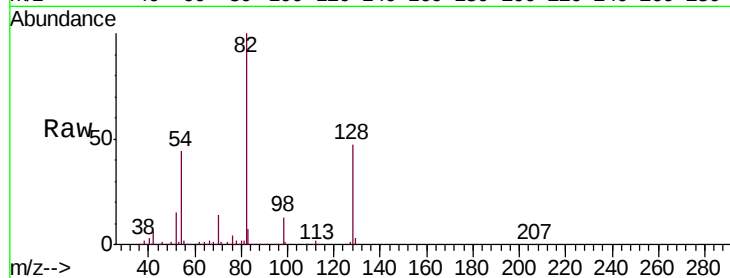




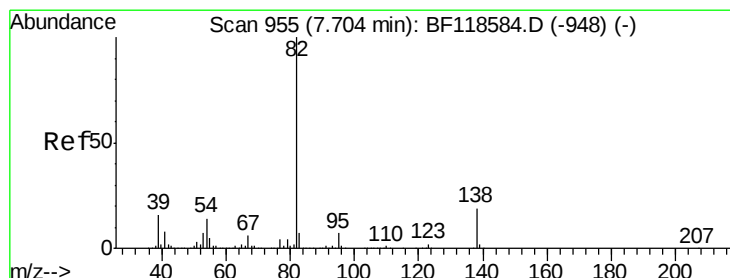
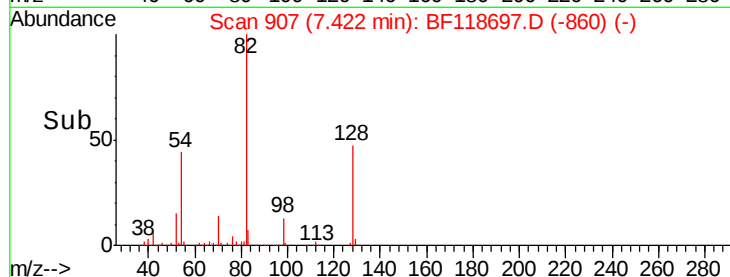
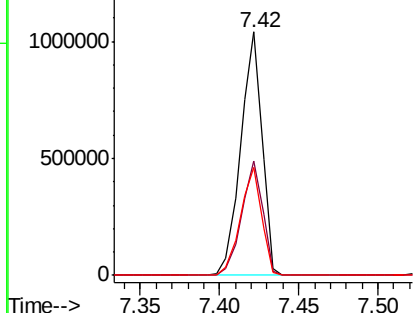
#23
 Nitrobenzene-d5
 Concen: 60.729 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.02 min
 Lab File: BF118697.D
 Acq: 24 Jan 2020 20:39

Instrument :
 BNA_F
 ClientSampleId :
 20200067-AMENDED-COMP-5

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.9	36.6	54.8
54	44.2	38.0	57.0

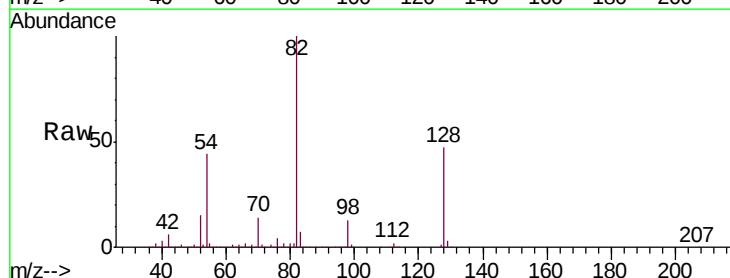


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

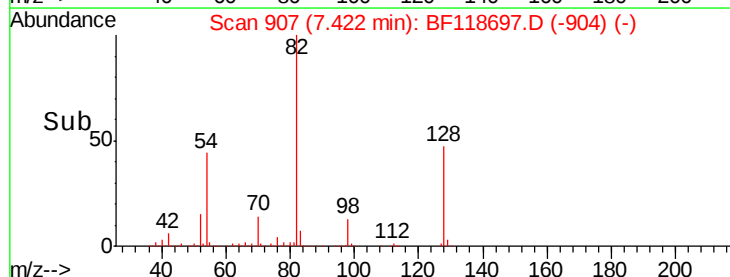
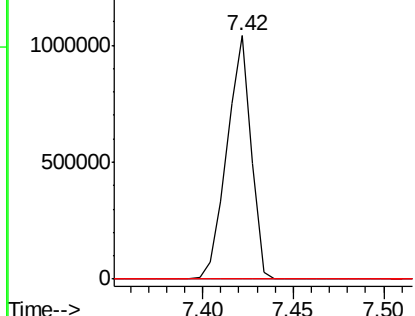


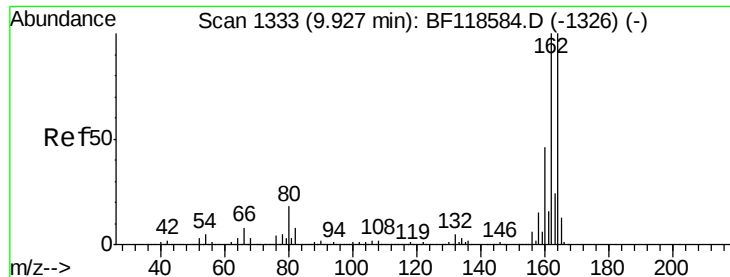
#25
 Isophorone
 Concen: 33.227 ng
 RT: 7.42 min Scan# 907
 Delta R.T. -0.28 min
 Lab File: BF118697.D
 Acq: 24 Jan 2020 20:39

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



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

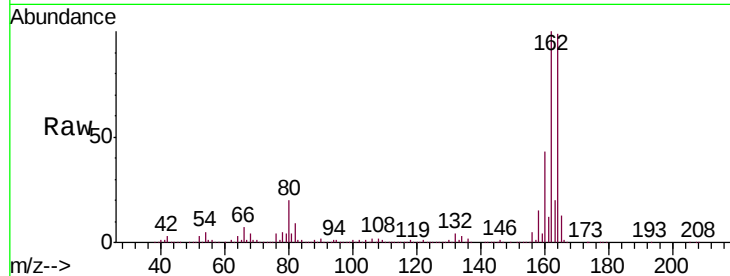




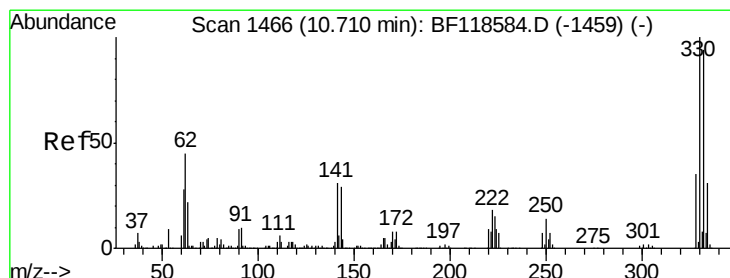
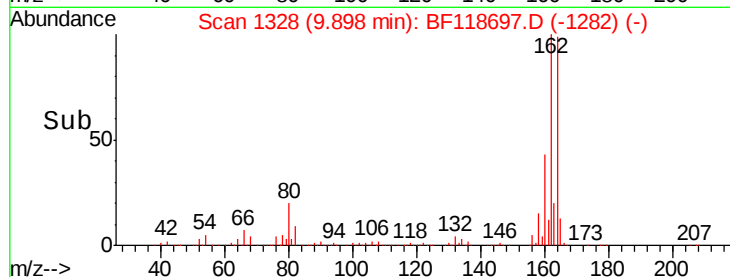
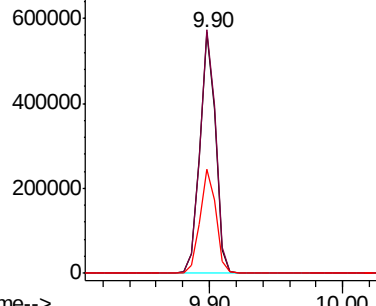
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.90 min Scan# 1328
Delta R.T. -0.03 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

Instrument :
BNA_F
ClientSampleId :
20200067-AMENDED-COMP-5

Tgt Ion:164 Resp: 472242
Ion Ratio Lower Upper
164 100
162 101.1 80.4 120.6
160 43.4 36.6 55.0

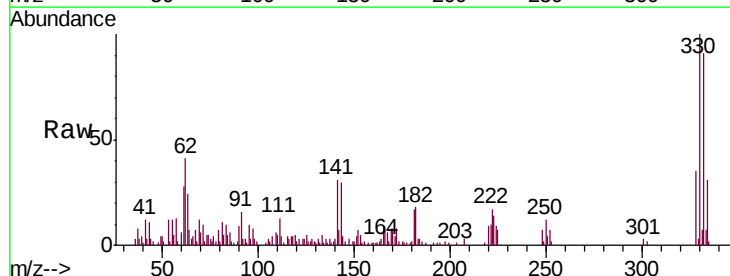


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

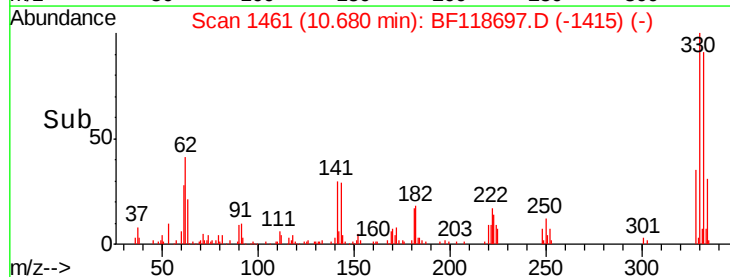
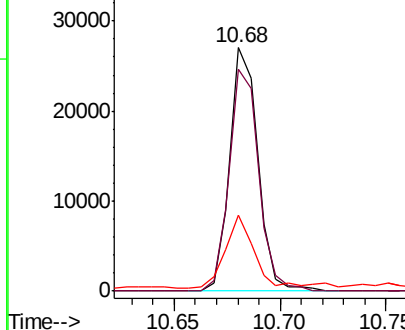


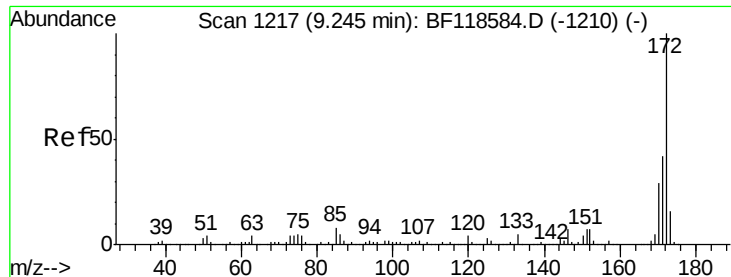
#42
2,4,6-Tribromophenol
Concen: 4.562 ng
RT: 10.68 min Scan# 1461
Delta R.T. -0.03 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

Tgt Ion:330 Resp: 24918
Ion Ratio Lower Upper
330 100
332 94.9 76.2 114.4
141 29.9 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

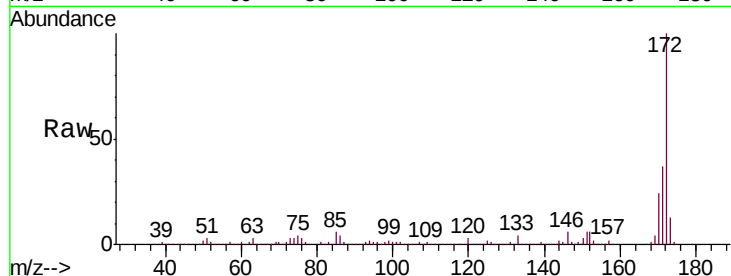




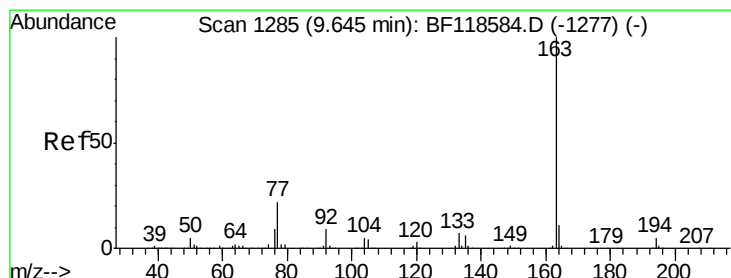
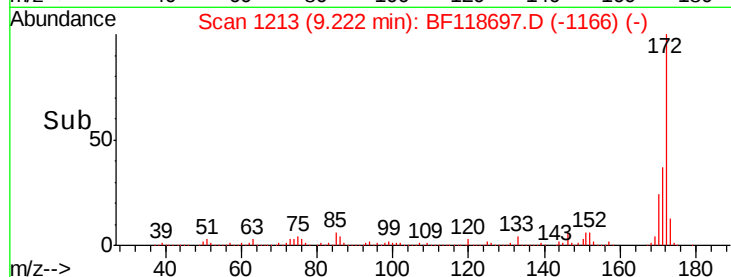
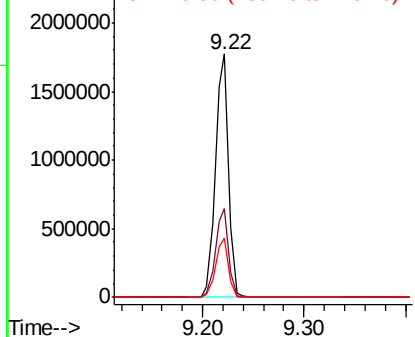
#45
2-Fluorobiphenyl
Concen: 55.329 ng
RT: 9.22 min Scan# 1213
Delta R.T. -0.02 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

Instrument :
BNA_F
ClientSampleId :
20200067-AMENDED-COMP-5

Tgt Ion:172 Resp: 1589712
Ion Ratio Lower Upper
172 100
171 36.6 33.4 50.2
170 24.4 23.2 34.8

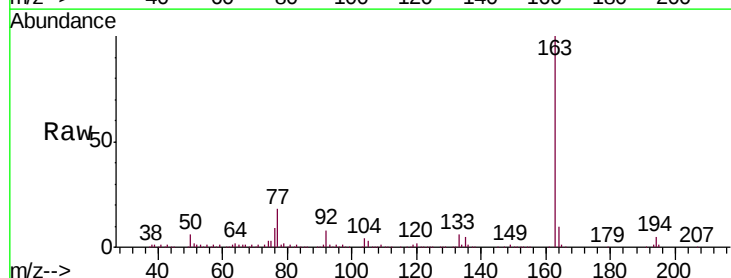


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

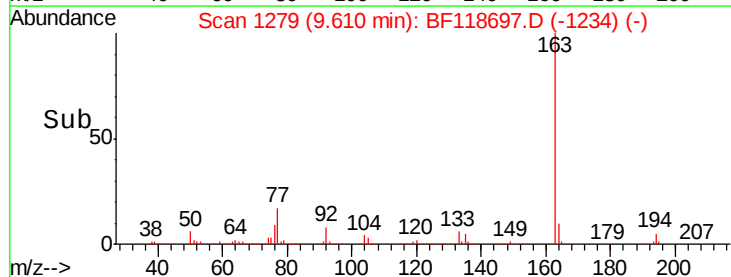
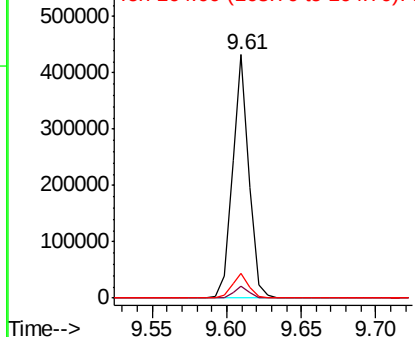


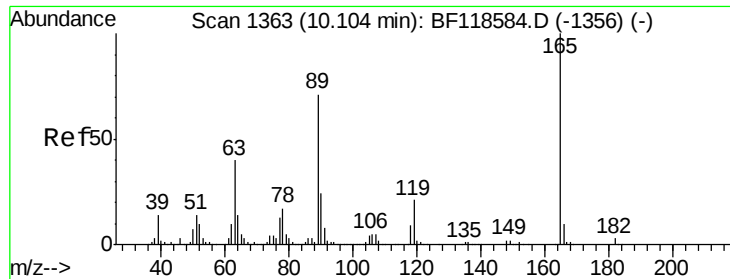
#50
Dimethylphthalate
Concen: 10.905 ng
RT: 9.61 min Scan# 1279
Delta R.T. -0.04 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

Tgt Ion:163 Resp: 335515
Ion Ratio Lower Upper
163 100
194 4.8 3.9 5.9
164 10.1 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





#57

2,4-Dinitrotoluene

Concen: 7.390 ng

RT: 9.90 min Scan# 1328

Delta R.T. -0.21 min

Lab File: BF118697.D

Acq: 24 Jan 2020 20:39

Instrument :

BNA_F

ClientSampleId :

20200067-AMENDED-COMP-5

Tgt Ion:165 Resp: 64182

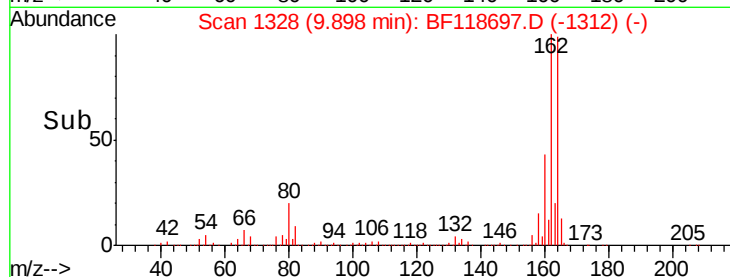
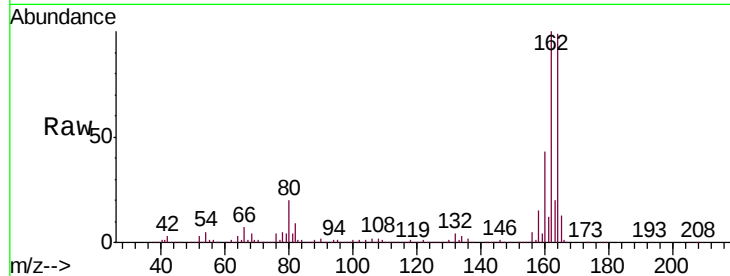
Ion Ratio Lower Upper

165 100

63 1.1 32.4 48.6#

89 1.3 56.4 84.6#

182 0.0 2.3 3.5#

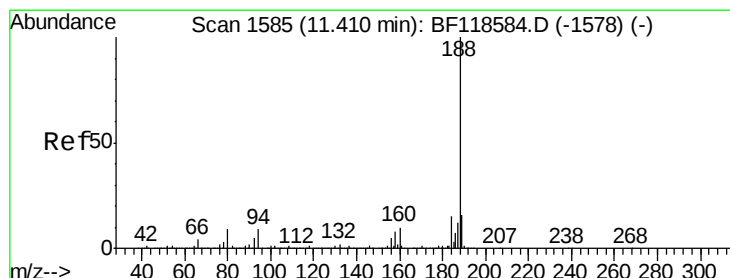
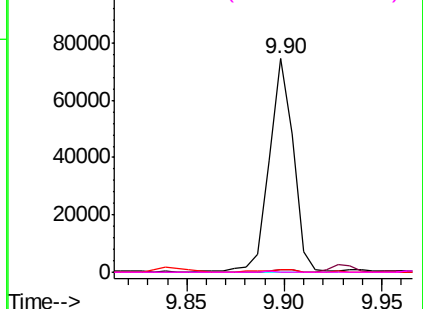


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF118697.D

Acq: 24 Jan 2020 20:39

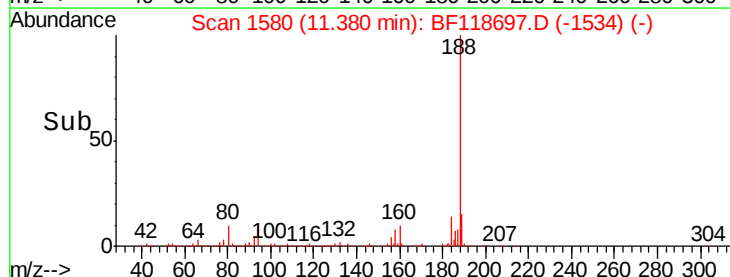
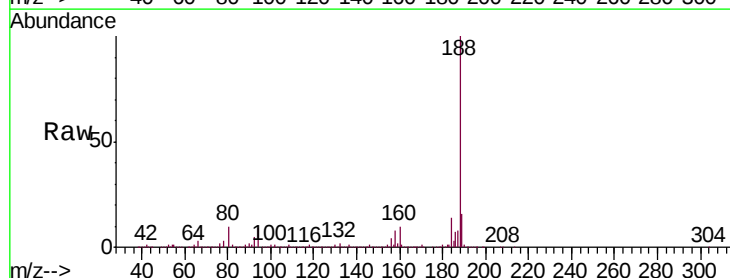
Tgt Ion:188 Resp: 822677

Ion Ratio Lower Upper

188 100

94 9.5 7.1 10.7

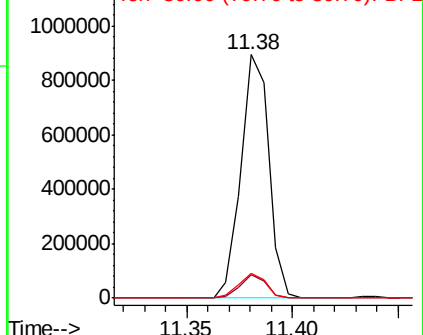
80 10.2 7.5 11.3

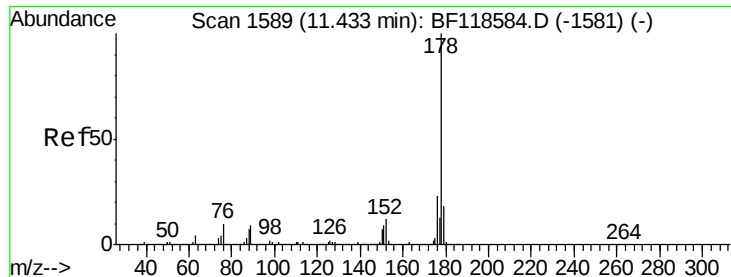


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

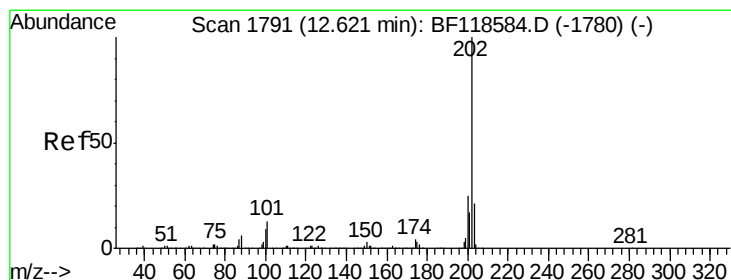
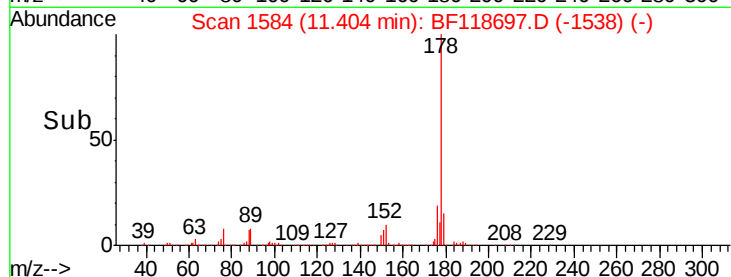
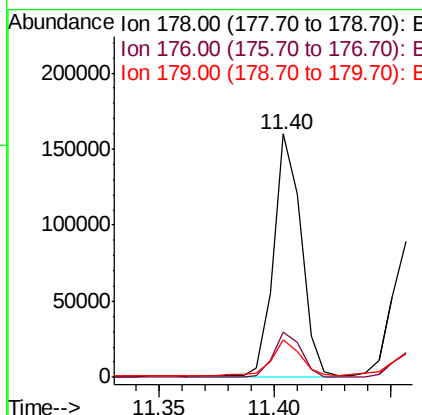
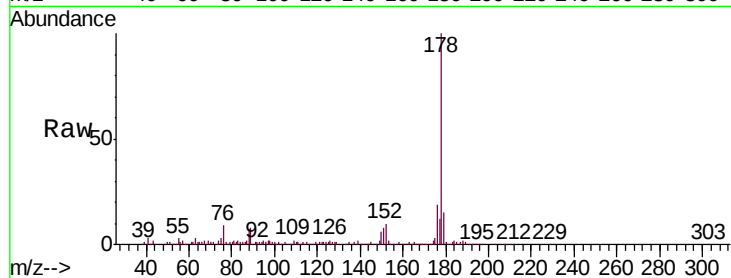




#71
Phenanthrene
Concen: 3.288 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.03 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

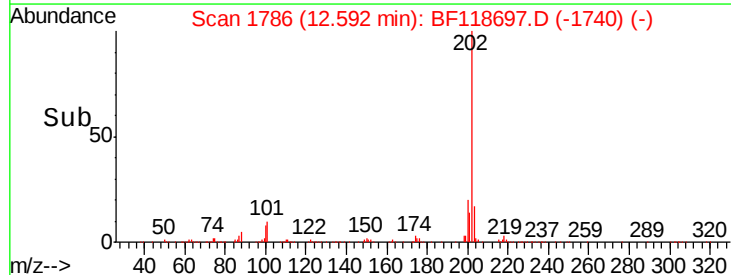
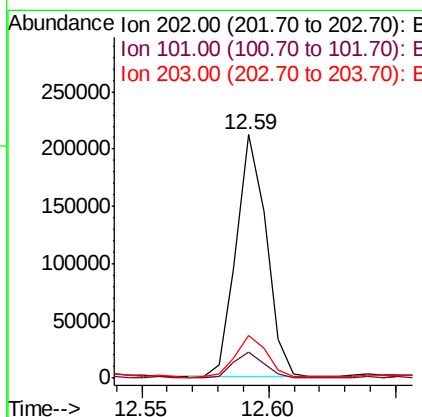
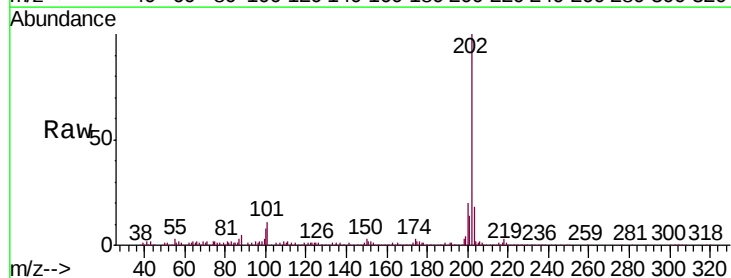
Instrument :
BNA_F
ClientSampleId :
20200067-AMENDED-COMP-5

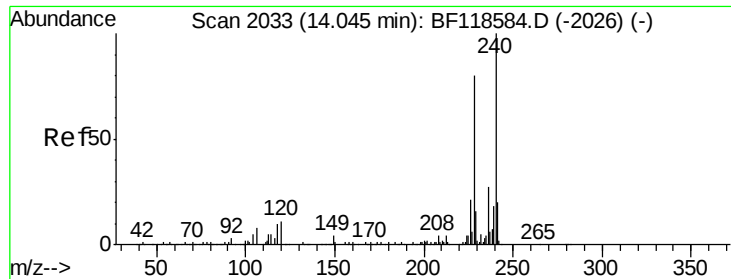
Tgt Ion:178 Resp: 130503
Ion Ratio Lower Upper
178 100
176 18.8 18.6 27.8
179 15.4 14.7 22.1



#75
Fluoranthene
Concen: 4.198 ng
RT: 12.59 min Scan# 1786
Delta R.T. -0.03 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

Tgt Ion:202 Resp: 175712
Ion Ratio Lower Upper
202 100
101 10.5 0.0 32.5
203 17.7 0.8 40.8

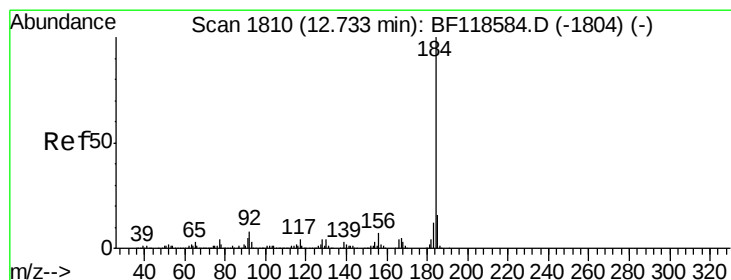
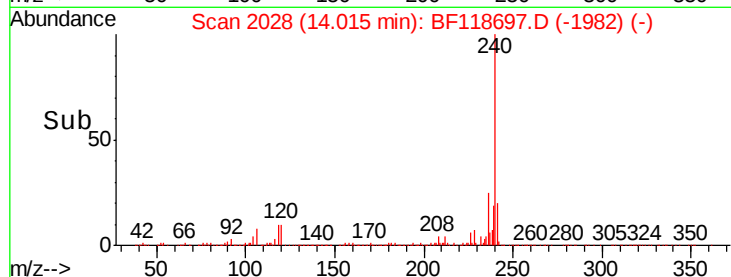
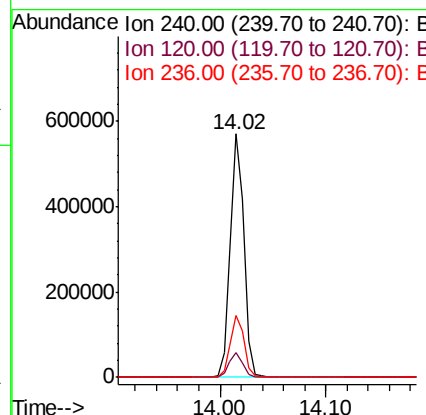
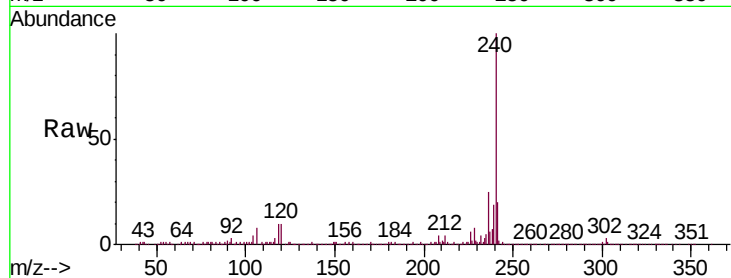




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.02 min Scan# 2028
Delta R.T. -0.03 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

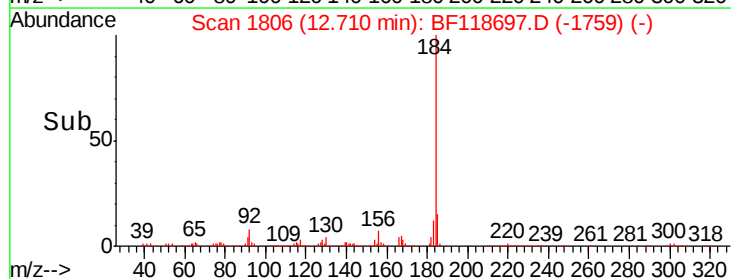
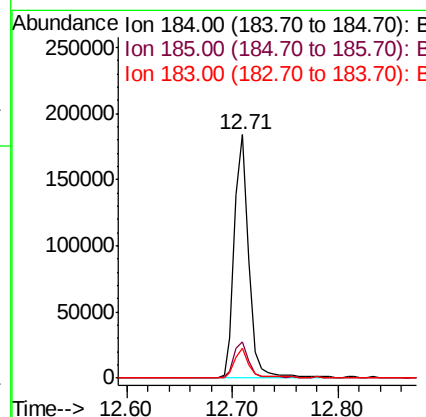
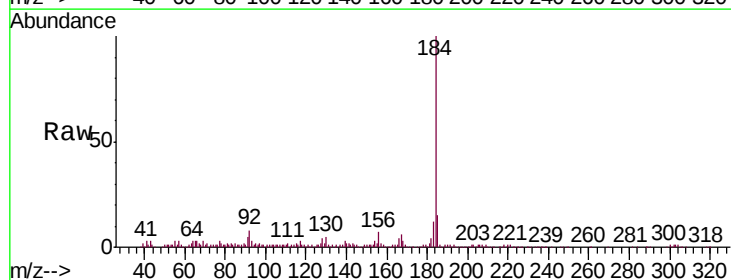
Instrument :
BNA_F
ClientSampleId :
20200067-AMENDED-COMP-5

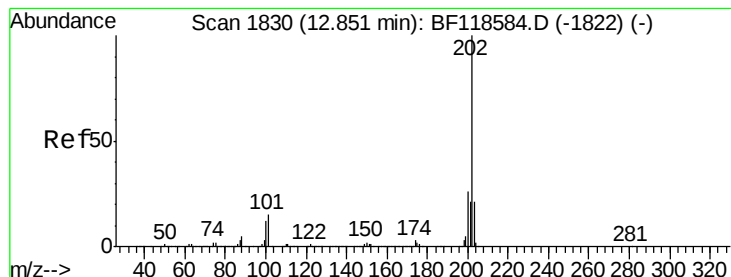
Tgt Ion:240 Resp: 509448
Ion Ratio Lower Upper
240 100
120 10.1 8.9 13.3
236 25.2 21.5 32.3



#77
Benzidine
Concen: 12.832 ng
RT: 12.71 min Scan# 1806
Delta R.T. -0.02 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

Tgt Ion:184 Resp: 174671
Ion Ratio Lower Upper
184 100
185 15.0 12.9 19.3
183 12.1 9.6 14.4





#78

Pyrene

Concen: 5.861 ng

RT: 12.82 min Scan# 1825

Delta R.T. -0.03 min

Lab File: BF118697.D

Acq: 24 Jan 2020 20:39

Instrument :

BNA_F

ClientSampleId :

20200067-AMENDED-COMP-5

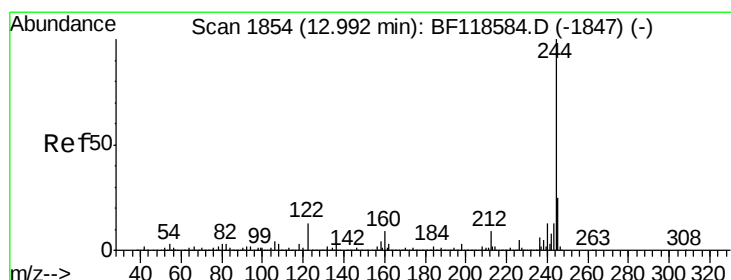
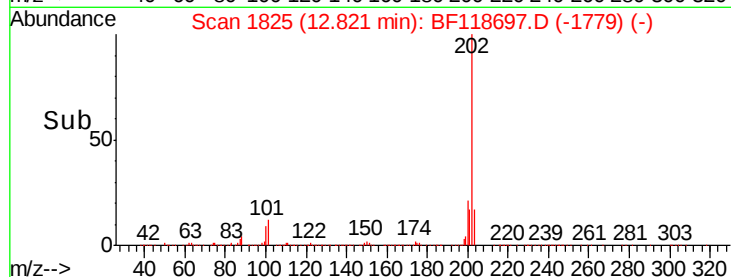
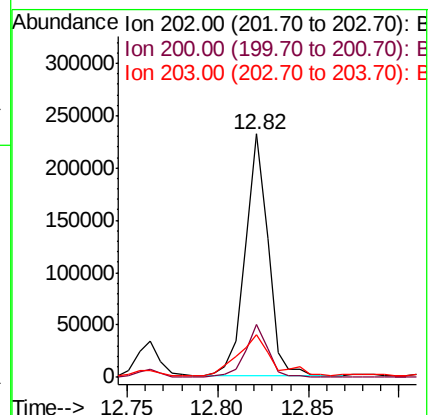
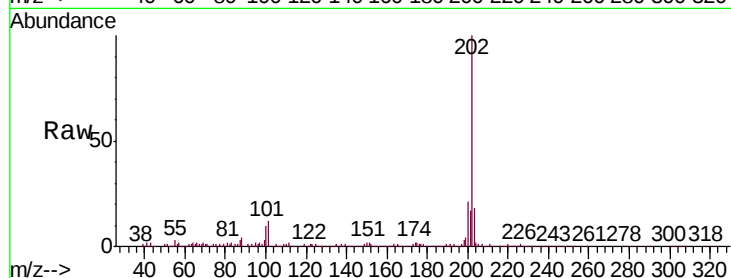
Tgt Ion: 202 Resp: 202705

Ion Ratio Lower Upper

202 100

200 21.5 20.6 31.0

203 17.6 16.8 25.2



#79

Terphenyl-d14

Concen: 64.326 ng

RT: 12.96 min Scan# 1849

Delta R.T. -0.03 min

Lab File: BF118697.D

Acq: 24 Jan 2020 20:39

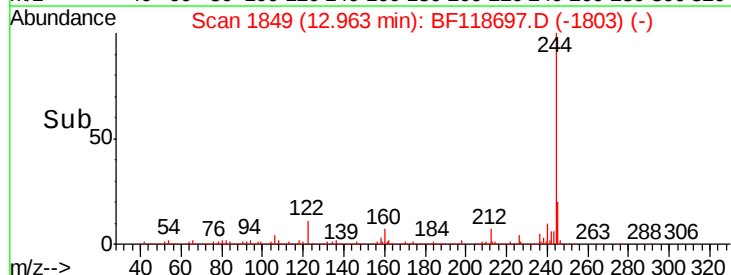
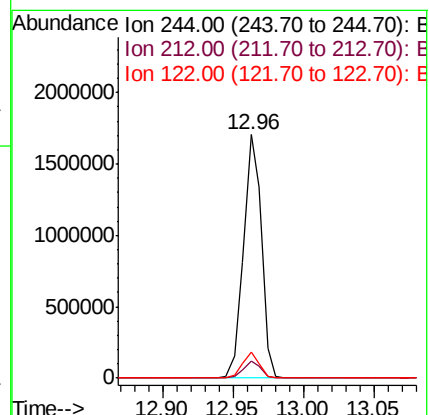
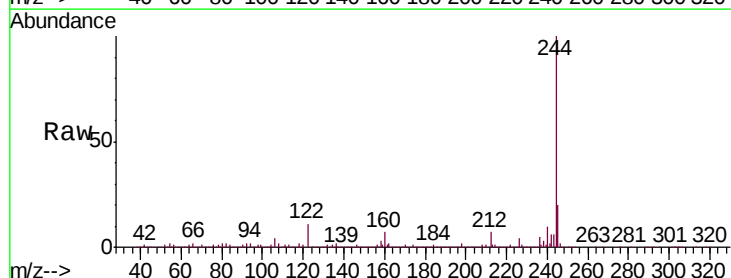
Tgt Ion: 244 Resp: 1502495

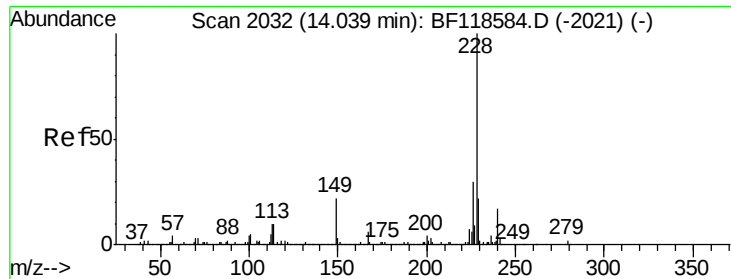
Ion Ratio Lower Upper

244 100

212 6.9 7.0 10.4#

122 10.9 10.7 16.1

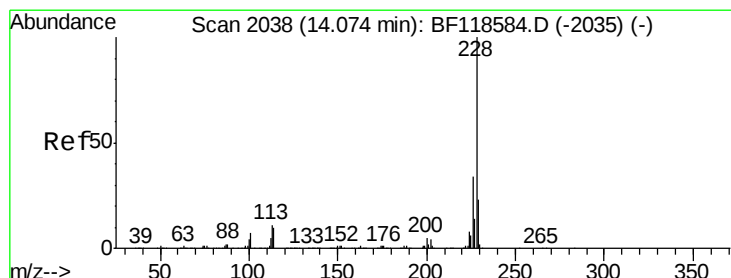
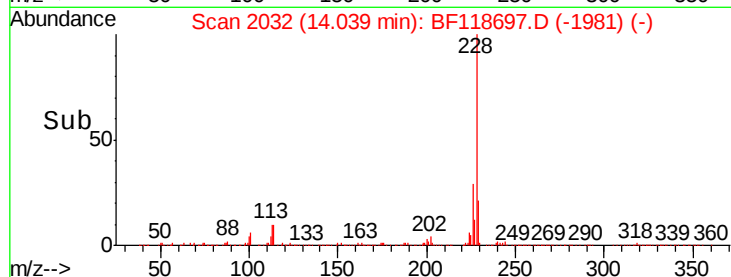
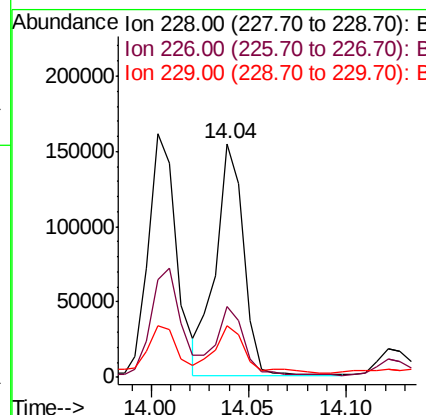
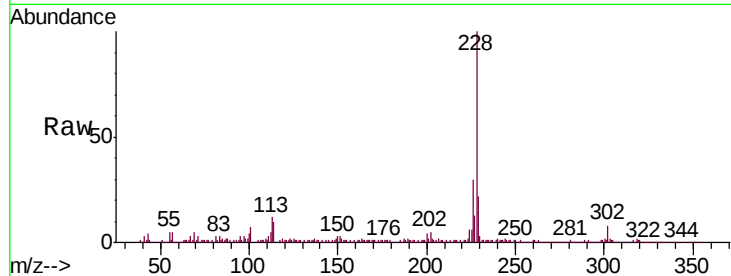




#81
Benzo(a)anthracene
Concen: 4.991 ng
RT: 14.04 min Scan# 2032
Delta R.T. 0.00 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

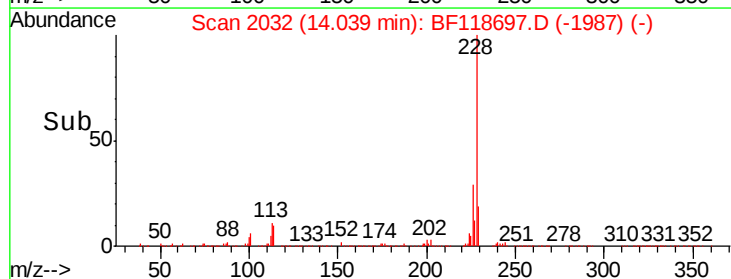
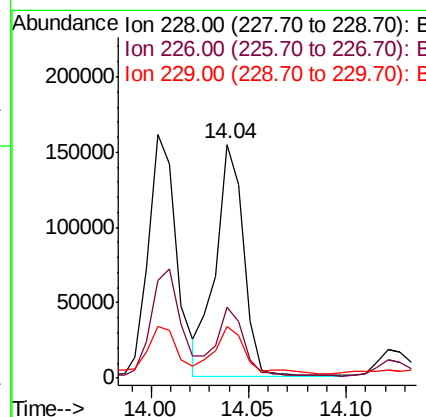
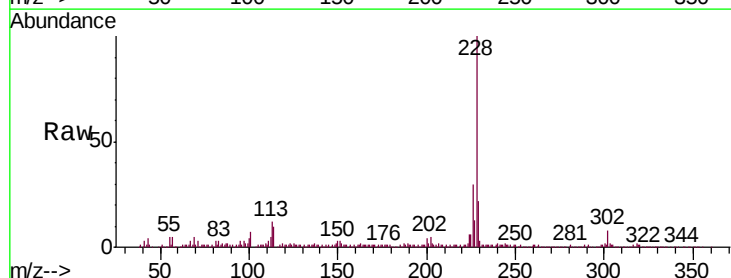
Instrument :
BNA_F
ClientSampleId :
20200067-AMENDED-COMP-5

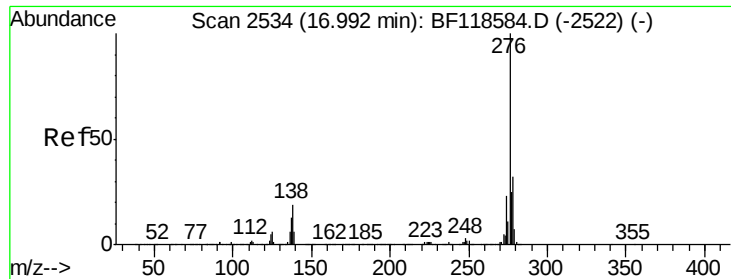
Tgt Ion:228 Resp: 152960
Ion Ratio Lower Upper
228 100
226 30.1 24.1 36.1
229 22.3 17.6 26.4



#83
Chrysene
Concen: 5.208 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.04 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

Tgt Ion:228 Resp: 152960
Ion Ratio Lower Upper
228 100
226 30.1 27.4 41.0
229 22.3 18.3 27.5

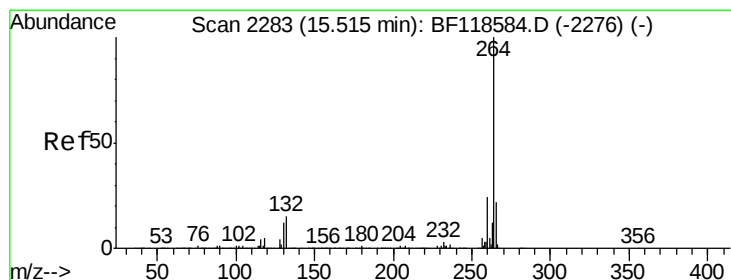
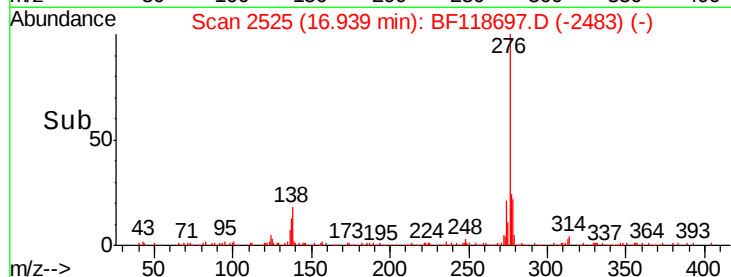
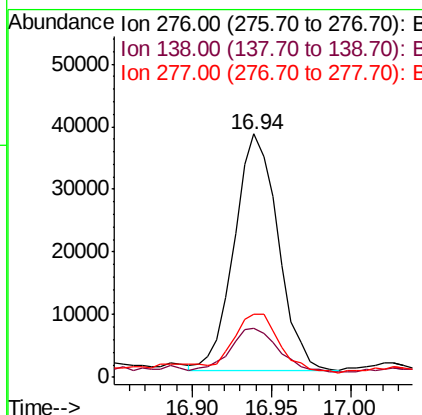
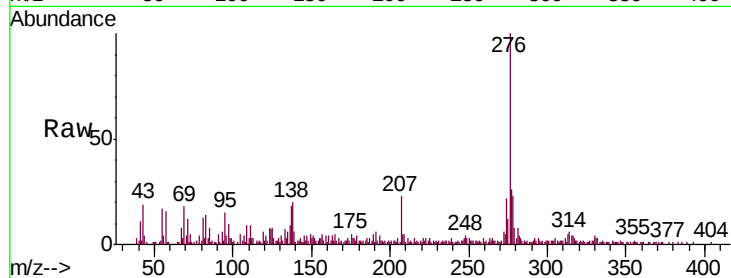




#86
 Indeno(1,2,3-cd)pyrene
 Concen: 2.829 ng
 RT: 16.94 min Scan# 2525
 Delta R.T. -0.05 min
 Lab File: BF118697.D
 Acq: 24 Jan 2020 20:39

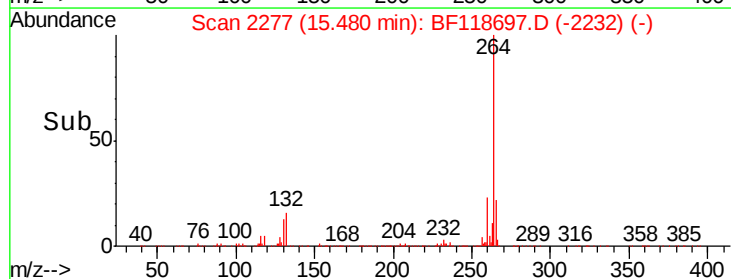
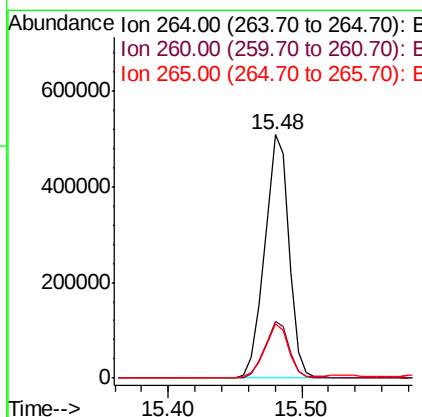
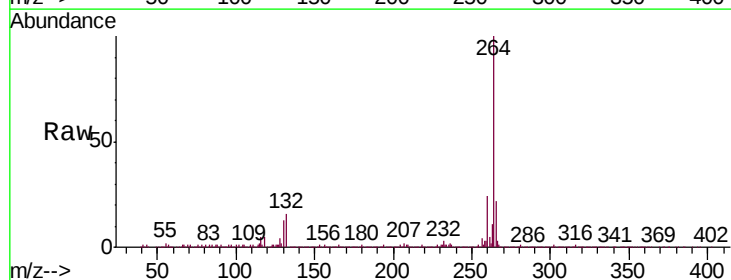
Instrument :
 BNA_F
 ClientSampleId :
 20200067-AMENDED-COMP-5

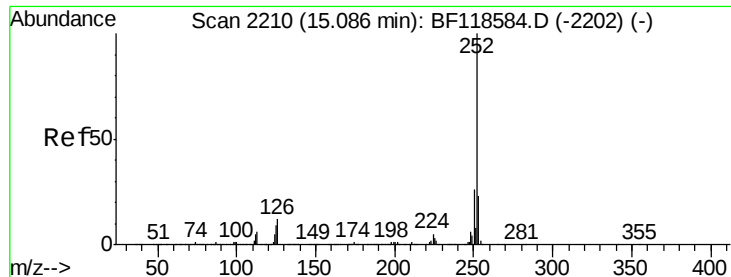
Tgt Ion: 276 Resp: 72190
 Ion Ratio Lower Upper
 276 100
 138 20.4 17.2 25.8
 277 26.2 20.5 30.7



#87
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.48 min Scan# 2277
 Delta R.T. -0.04 min
 Lab File: BF118697.D
 Acq: 24 Jan 2020 20:39

Tgt Ion: 264 Resp: 639307
 Ion Ratio Lower Upper
 264 100
 260 23.5 19.6 29.4
 265 22.1 17.7 26.5

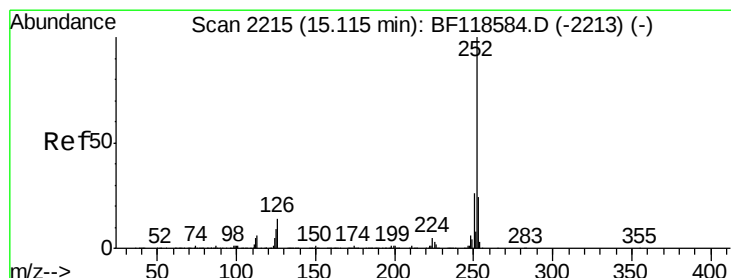
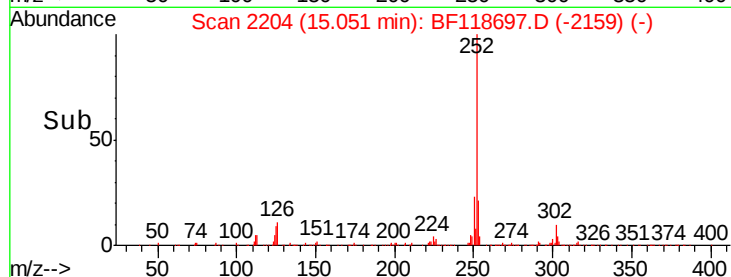
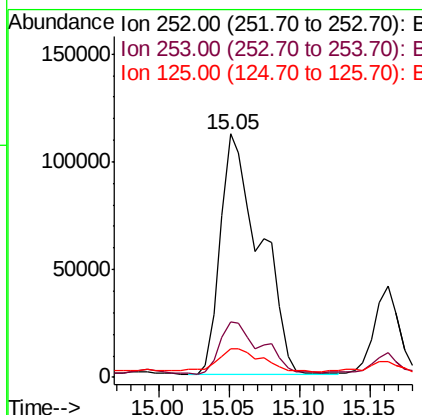
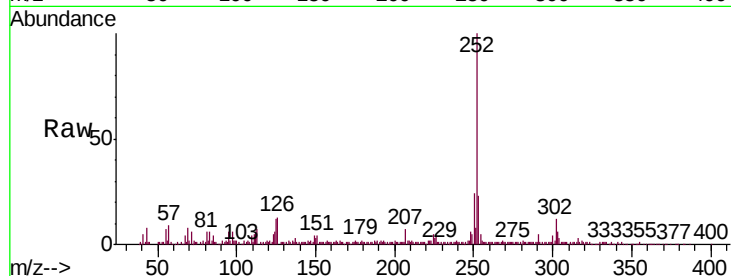




#88
Benzo(b)fluoranthene
Concen: 5.470 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.04 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

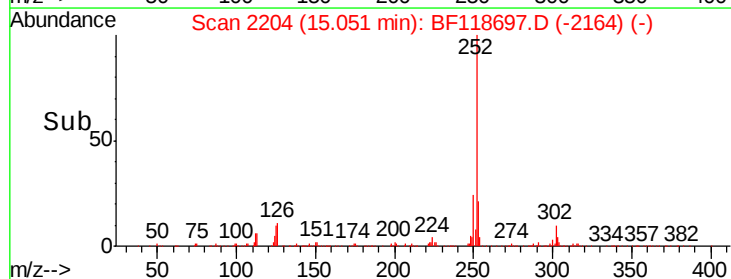
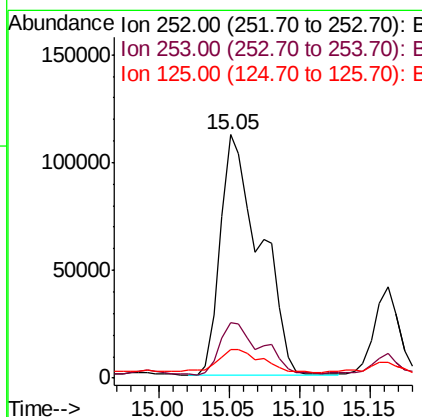
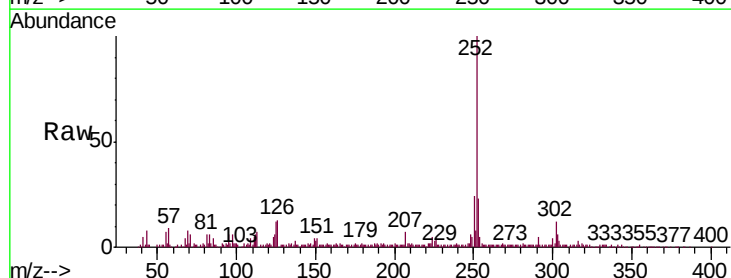
Instrument :
BNA_F
ClientSampleId :
20200067-AMENDED-COMP-5

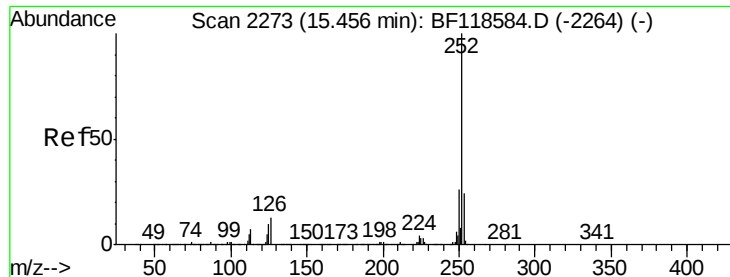
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.7	28.1
125	11.8	7.3	10.9



#89
Benzo(k)fluoranthene
Concen: 5.904 ng
RT: 15.05 min Scan# 2204
Delta R.T. -0.06 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	19.0	28.4
125	11.8	7.6	11.4

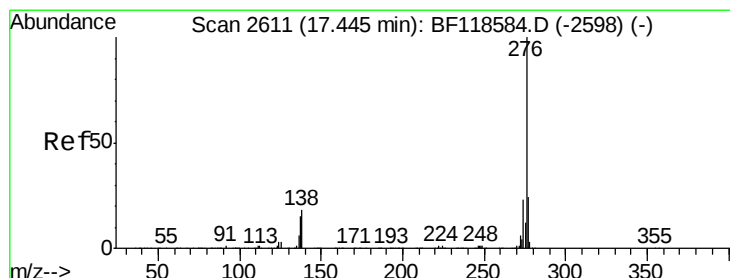
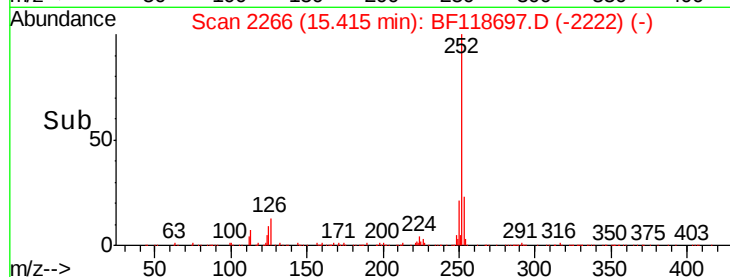
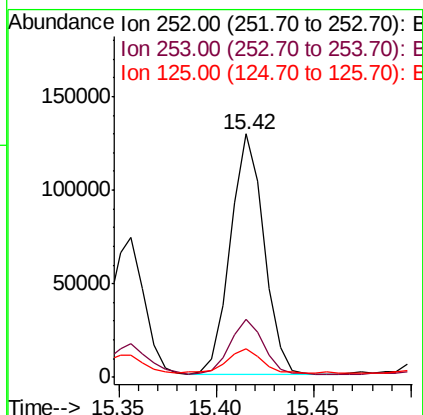
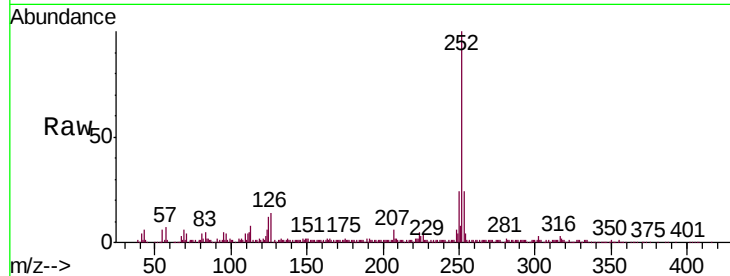




#90
Benzo(a)pyrene
Concen: 4.436 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.04 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

Instrument :
BNA_F
ClientSampleId :
20200067-AMENDED-COMP-5

Tgt Ion: 252 Resp: 153763
Ion Ratio Lower Upper
252 100
253 23.7 18.8 28.2
125 11.7 7.8 11.6#



#92
Benzo(g,h,i)perylene
Concen: 2.394 ng
RT: 17.38 min Scan# 2600
Delta R.T. -0.06 min
Lab File: BF118697.D
Acq: 24 Jan 2020 20:39

Tgt Ion: 276 Resp: 71274
Ion Ratio Lower Upper
276 100
277 24.8 18.9 28.3
138 19.5 14.4 21.6

