

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF022519\
 Data File : BF112689.D
 Acq On : 25 Feb 2019 13:47
 Operator : JU/SJ
 Sample : K1595-03
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B11

Quant Time: Feb 25 15:32:14 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 25 14:05:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.82	152	72381	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	263399	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	106202	20.00	ng	0.00
64) Phenanthrene-d10	11.34	188	167954	20.00	ng	0.00
76) Chrysene-d12	13.98	240	174077	20.00	ng	0.00
87) Perylene-d12	15.46	264	162070	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.46	112	409346	120.13	ng	0.00
7) Phenol-d6	6.48	99	524816	110.83	ng	-0.01
23) Nitrobenzene-d5	7.38	82	324424	70.97	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	107841	87.24	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	509615	67.87	ng	0.00
79) Terphenyl-d14	12.92	244	401390	43.43	ng	0.00

Target Compounds

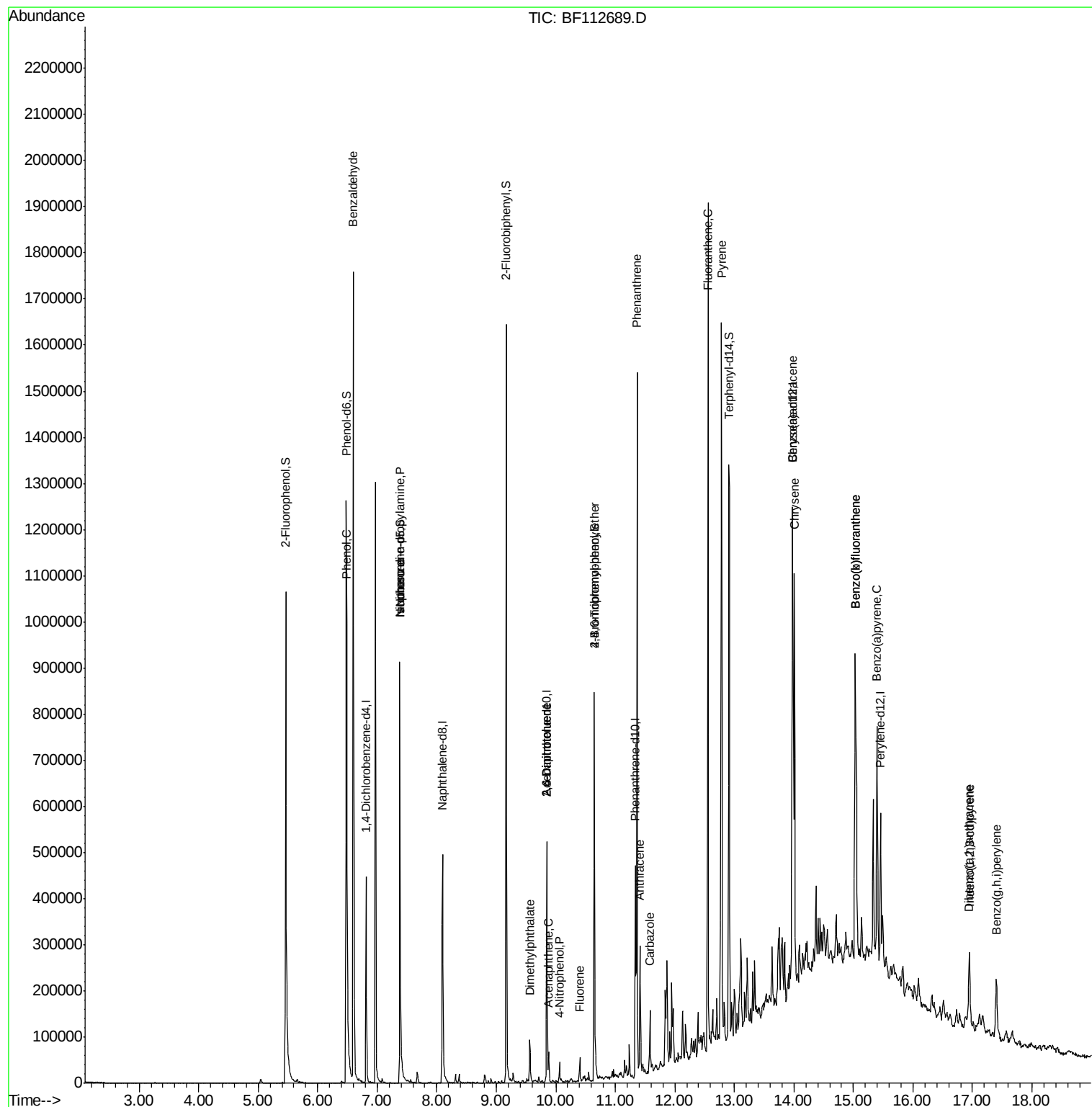
						Qvalue
9) Benzaldehyde	6.60	77	10801	4.364	ng	81
10) Phenol	6.49	94	18545	3.570	ng	# 59
19) n-Nitroso-di-n-propylamine	7.38	70	44022	13.483	ng	# 80
25) Isophorone	7.38	82	324422	45.238	ng	# 63
50) Dimethylphthalate	9.56	163	39858	4.830	ng	99
51) 2,6-Dinitrotoluene	9.85	165	14301	7.739	ng	# 34
52) Acenaphthene	9.88	154	13550	2.149	ng	97
56) 4-Nitrophenol	10.06	139	7691	7.266	ng	# 12
57) 2,4-Dinitrotoluene	9.85	165	14301	6.079	ng	# 32
58) Fluorene	10.40	166	19044	2.642	ng	96
67) 4-Bromophenyl-phenylether	10.64	248	6486	3.283	ng	# 1
71) Phenanthrene	11.36	178	517019	59.212	ng	98
72) Anthracene	11.42	178	112594	12.945	ng	98
73) Carbazole	11.58	167	56267	6.558	ng	99
75) Fluoranthene	12.56	202	684634	73.104	ng	98
78) Pyrene	12.79	202	608490	50.488	ng	98
81) Benzo(a)anthracene	13.97	228	327316	31.986	ng	99
83) Chrysene	14.01	228	303760	31.097	ng	98
86) Indeno(1,2,3-cd)pyrene	16.95	276	109106	14.096	ng	# 91
88) Benzo(b)fluoranthene	15.03	252	477815	49.297	ng	99
89) Benzo(k)fluoranthene	15.03	252	477815	51.466	ng	99
90) Benzo(a)pyrene	15.40	252	232777	26.691	ng	98
91) Dibenzo(a,h)anthracene	16.94	278	29941	4.260	ng	97
92) Benzo(g,h,i)perylene	17.40	276	103936	15.673	ng	96

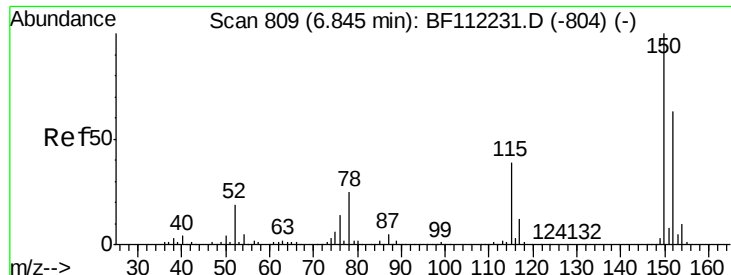
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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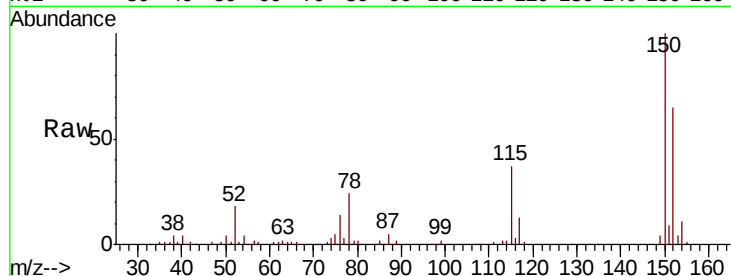


#1

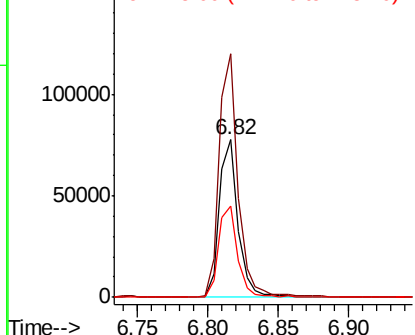
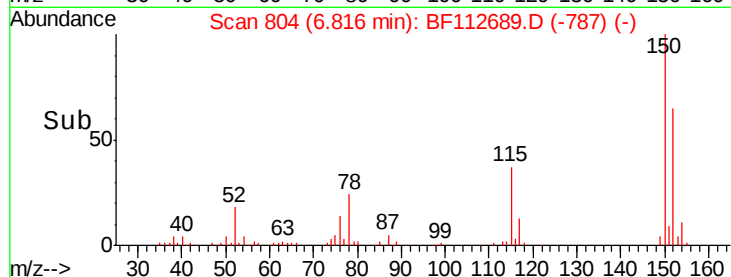
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: BF112689.D
 Acq: 25 Feb 2019 13:47

Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B11

Tot Ion:152 Resp: 72381
 Ion Ratio Lower Upper
 152 100
 150 154.7 127.4 191.0
 115 57.9 45.5 68.3



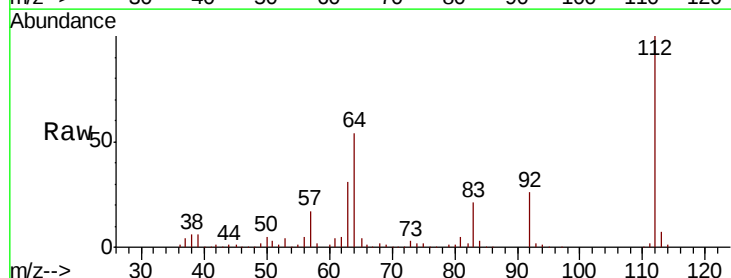
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



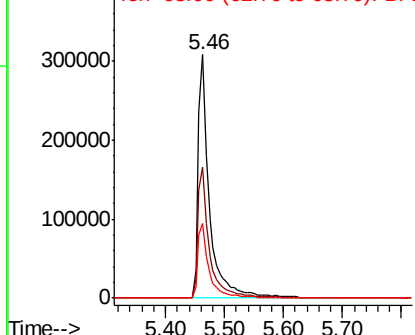
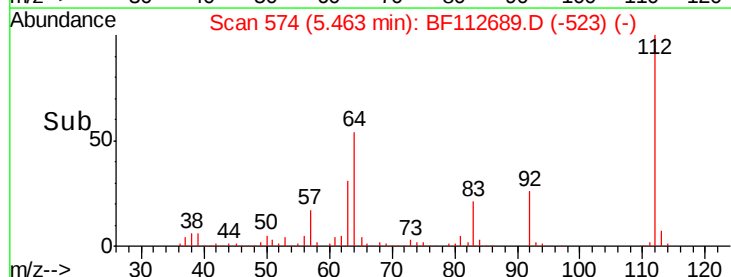
#5

2-Fluorophenol
 Concen: 120.125 ng
 RT: 5.46 min Scan# 574
 Delta R.T. -0.00 min
 Lab File: BF112689.D
 Acq: 25 Feb 2019 13:47

Tgt Ion:112 Resp: 409346
 Ion Ratio Lower Upper
 112 100
 64 54.0 45.7 68.5
 63 30.6 23.6 35.4



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: 110.835 ng

RT: 6.48 min Scan# 747

Delta R.T. -0.01 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

Instrument :

BNA_F

ClientSampleId :

TP-CBF-B11

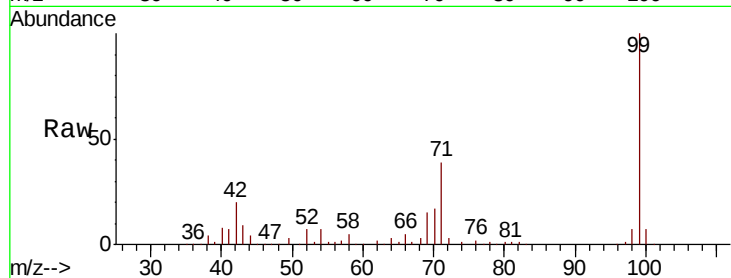
Tot Ion: 99 Resp: 524816

Ion Ratio Lower Upper

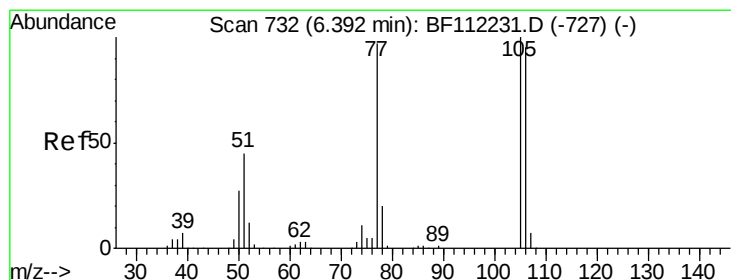
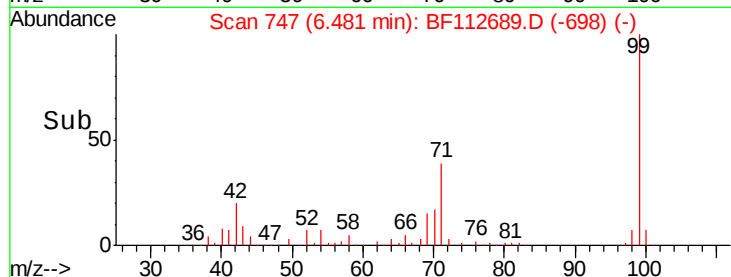
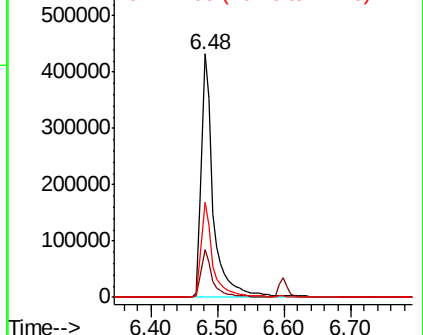
99 100

42 19.7 15.1 22.7

71 38.9 26.9 40.3



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



#9

Benzaldehyde

Concen: 4.364 ng

RT: 6.60 min Scan# 767

Delta R.T. 0.22 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

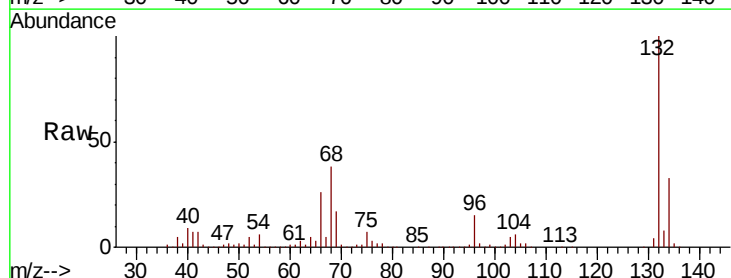
Tgt Ion: 77 Resp: 10801

Ion Ratio Lower Upper

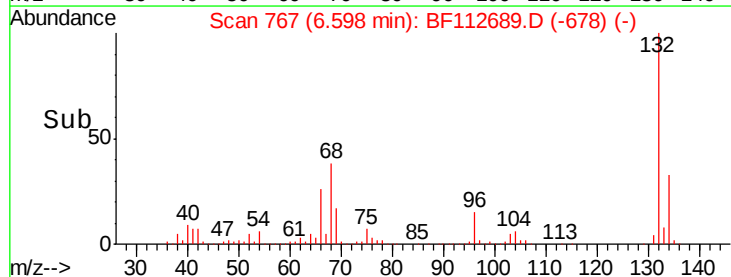
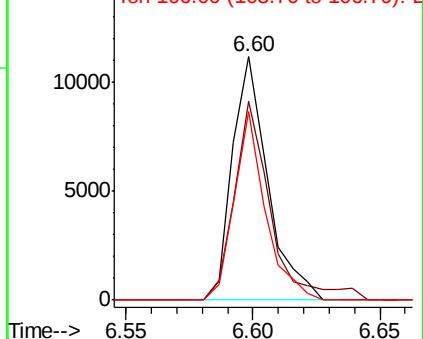
77 100

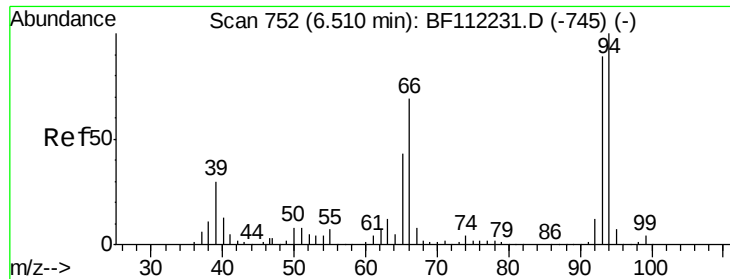
105 81.4 80.8 120.8

106 77.5 75.7 115.7



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 105.00 (104.70 to 105.70): E
Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 3.570 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.01 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

Instrument :

BNA_F

ClientSampleId :

TP-CBF-B11

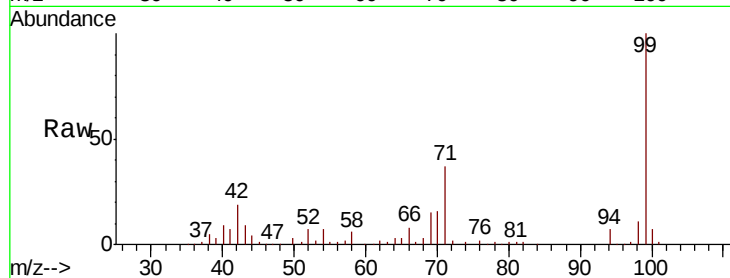
Tot Ion: 94 Resp: 18545

Ion Ratio Lower Upper

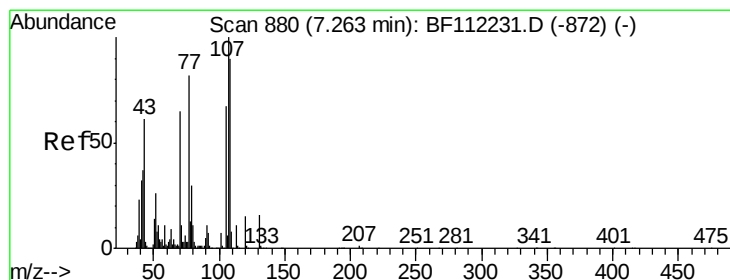
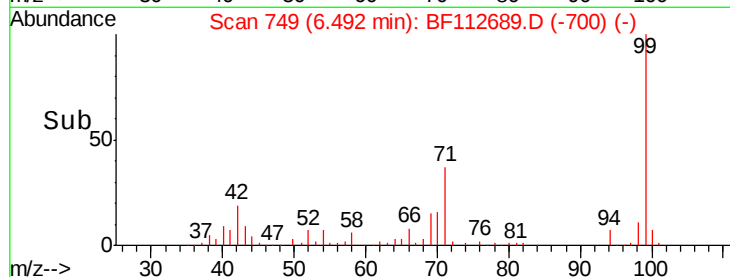
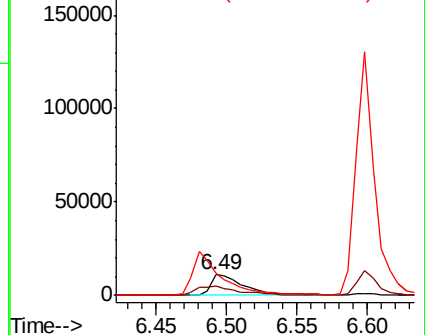
94 100

65 43.3 20.3 60.3

66 111.6 42.4 82.4#



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: 13.483 ng

RT: 7.38 min Scan# 900

Delta R.T. 0.14 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

Tgt Ion: 70 Resp: 44022

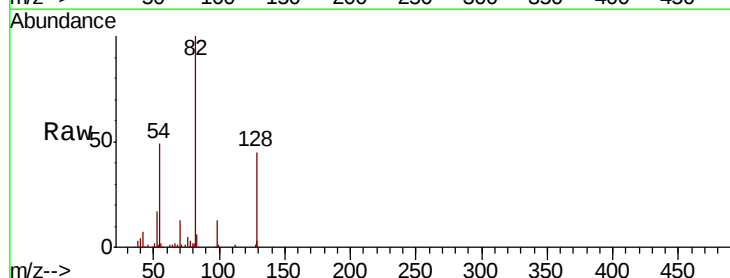
Ion Ratio Lower Upper

70 100

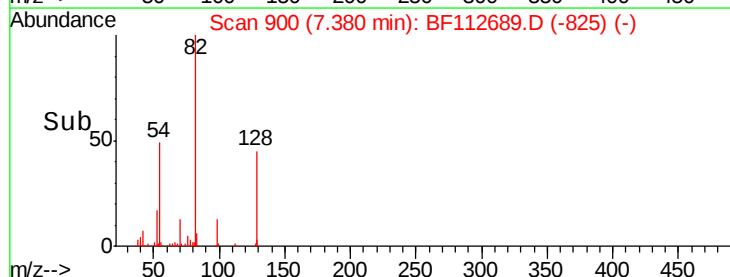
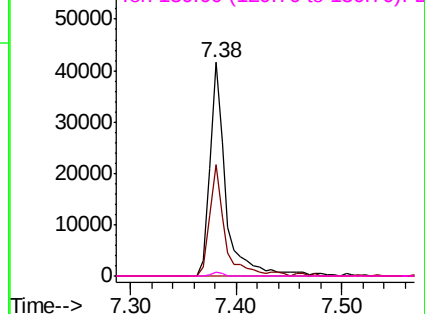
42 52.3 47.6 71.4

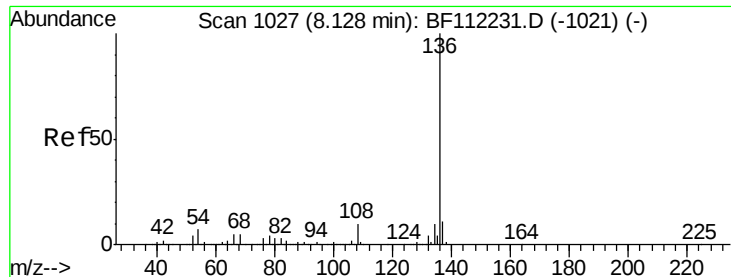
101 0.0 7.9 11.9#

130 2.1 18.4 27.6#



Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): BF1
Ion 130.00 (129.70 to 130.70): BF1

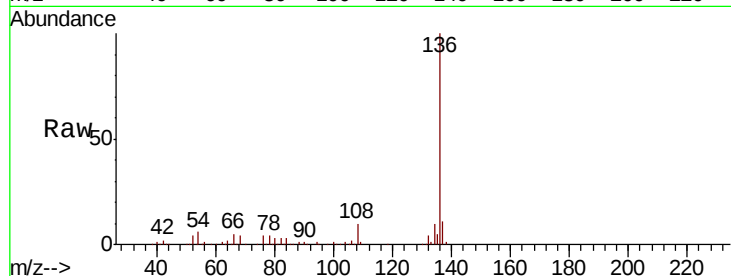




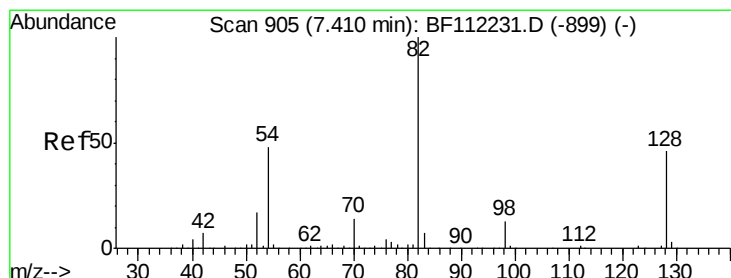
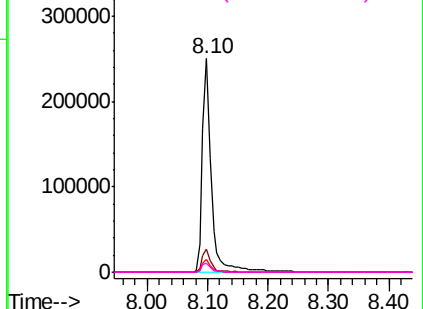
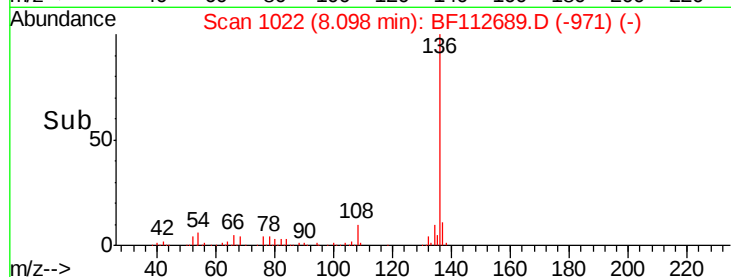
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.10 min Scan# 1022
Delta R.T. -0.00 min
Lab File: BF112689.D
Acq: 25 Feb 2019 13:47

Instrument :
BNA_F
ClientSampleId :
TP-CBF-B11

Tot Ion:136	Resp:	263399
Ion Ratio	Lower	Upper
136 100		
137 10.6	9.1	13.7
54 6.0	5.9	8.9
68 4.2	5.1	7.7#

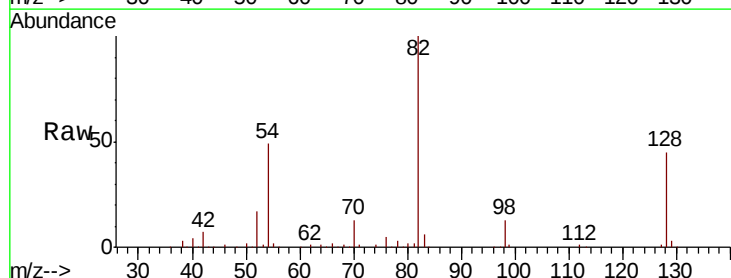


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

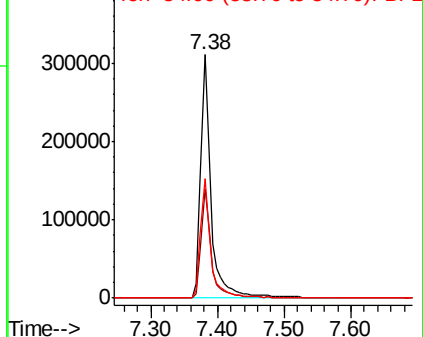
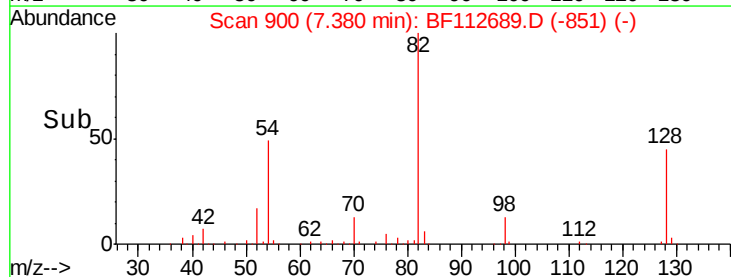


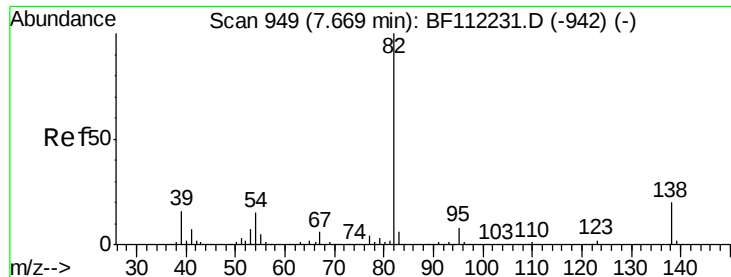
#23
Nitrobenzene-d5
Concen: 70.969 ng
RT: 7.38 min Scan# 900
Delta R.T. -0.01 min
Lab File: BF112689.D
Acq: 25 Feb 2019 13:47

Tgt Ion: 82	Resp: 324424
Ion Ratio	Lower Upper
82 100	
128 44.7	37.8 56.8
54 48.8	39.7 59.5



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: 45.238 ng

RT: 7.38 min Scan# 900

Delta R.T. -0.26 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

Instrument :

BNA_F

ClientSampleId :

TP-CBF-B11

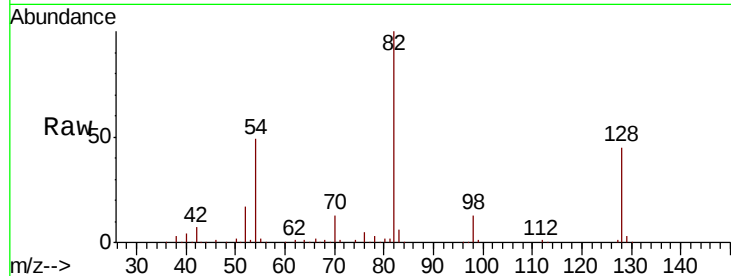
Tot Ion: 82 Resp: 324422

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

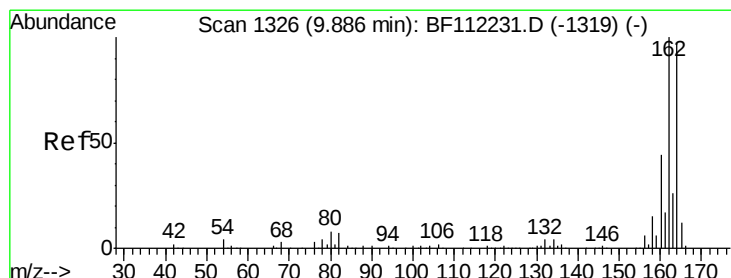
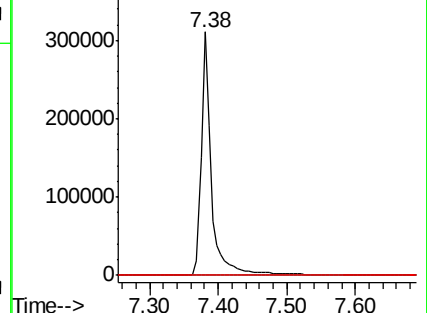
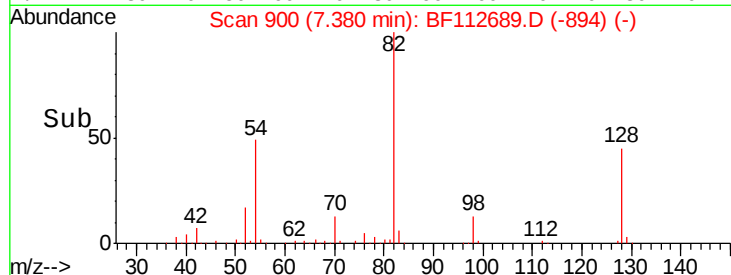
138 0.0 15.4 23.0#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

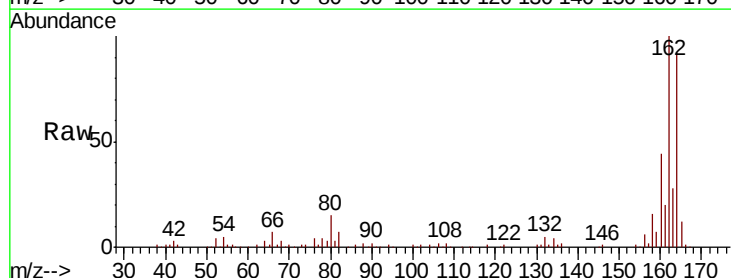
Tgt Ion: 164 Resp: 106202

Ion Ratio Lower Upper

164 100

162 108.2 82.2 123.4

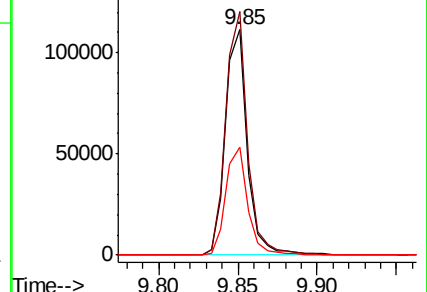
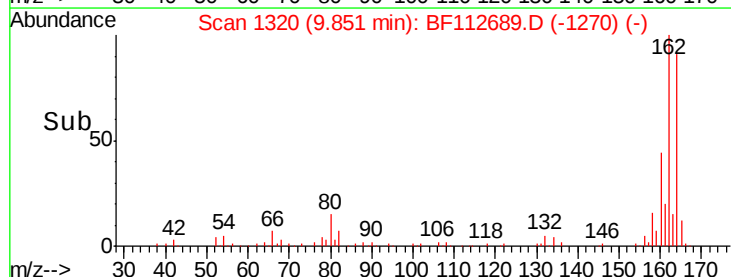
160 48.0 36.2 54.4

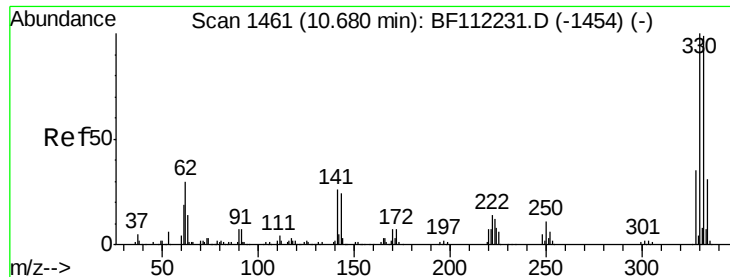


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 87.239 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

Instrument :

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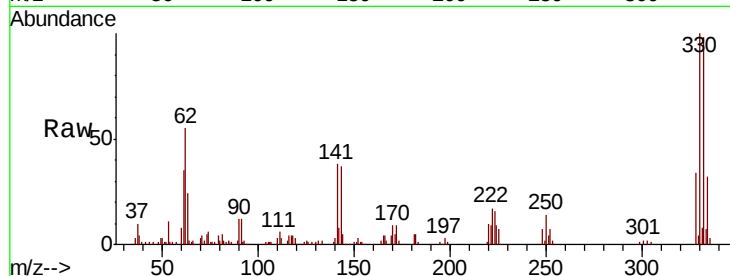
Tot Ion:330 Resp: 107841

Ion Ratio Lower Upper

330 100

332 94.5 76.6 114.8

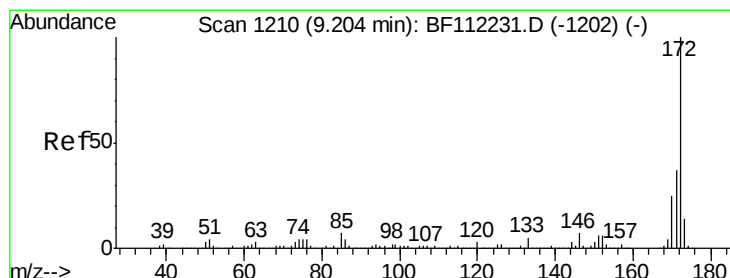
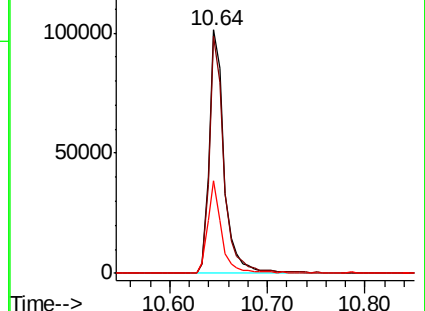
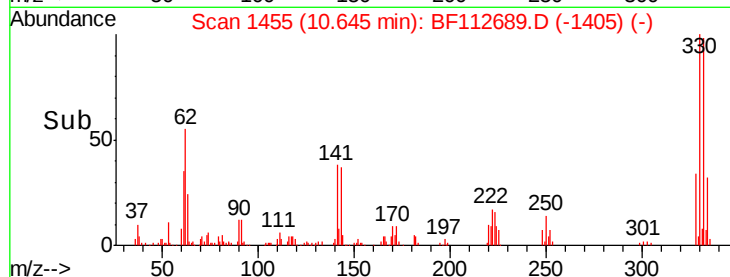
141 35.1 24.3 36.5



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: 67.868 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

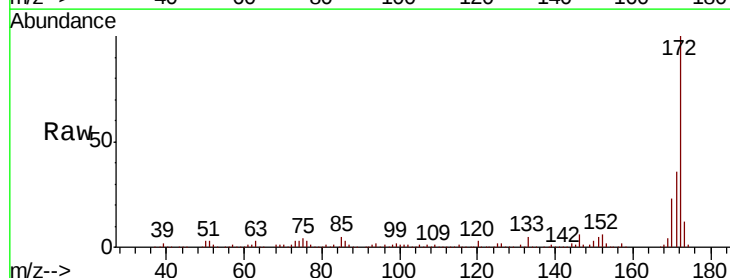
Tgt Ion:172 Resp: 509615

Ion Ratio Lower Upper

172 100

171 35.6 30.5 45.7

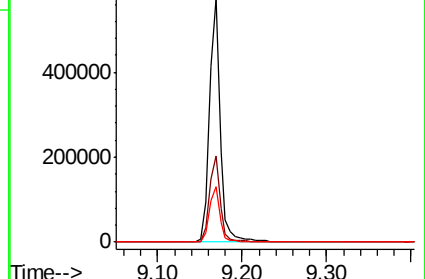
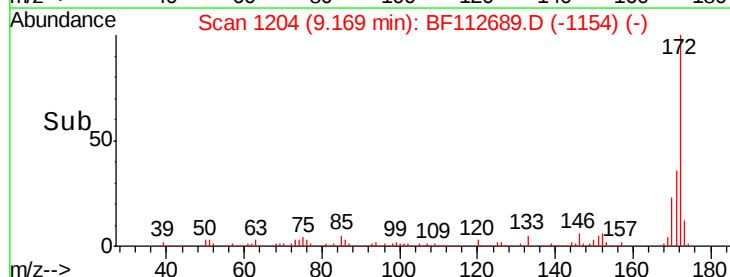
170 22.8 20.2 30.4

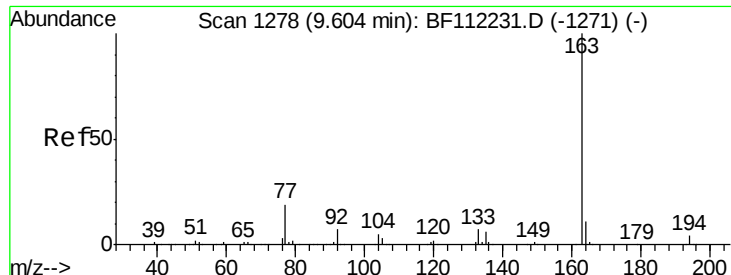


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

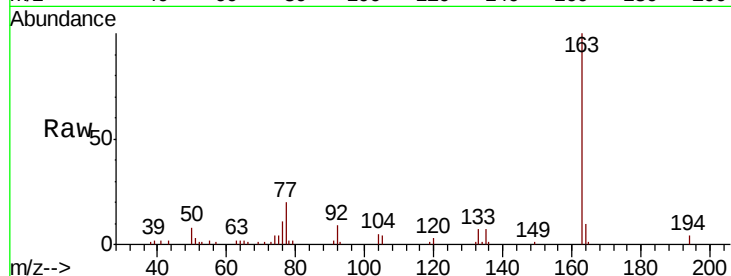




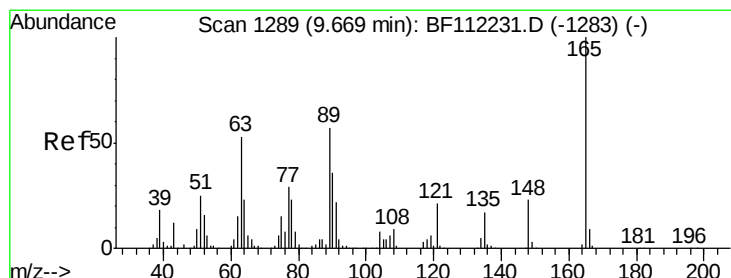
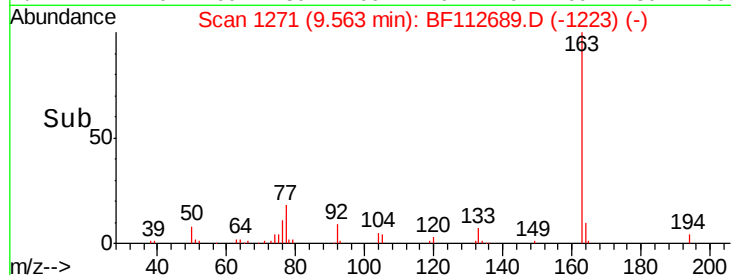
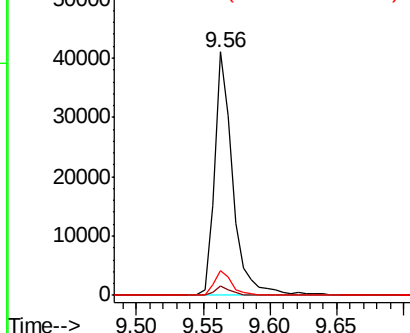
#50
Dimethylphthalate
Concen: 4.830 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF112689.D
Acq: 25 Feb 2019 13:47

Instrument :
BNA_F
ClientSampleId :
TP-CBF-B11

Tot Ion:163 Resp: 39858
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.1 8.5 12.7

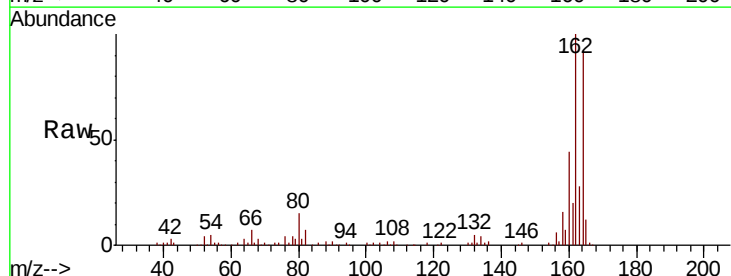


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

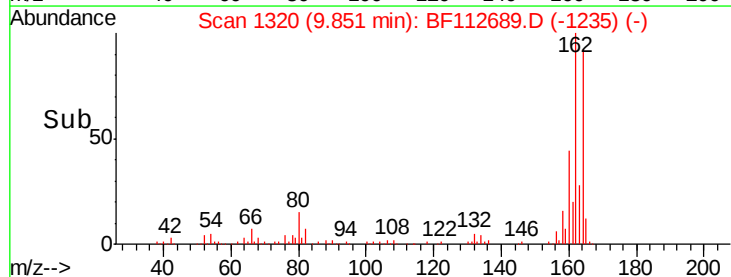
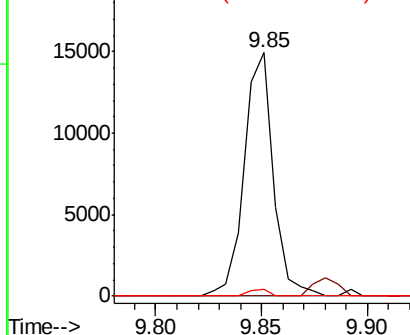


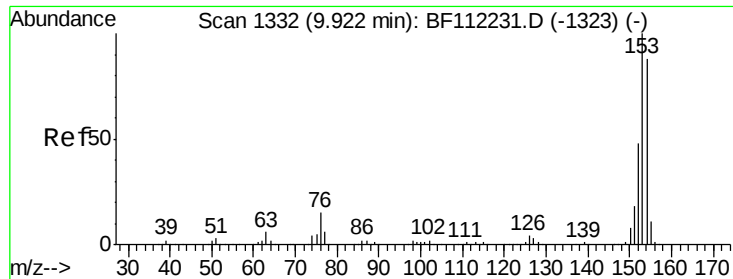
#51
2,6-Dinitrotoluene
Concen: 7.739 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.20 min
Lab File: BF112689.D
Acq: 25 Feb 2019 13:47

Tgt Ion:165 Resp: 14301
Ion Ratio Lower Upper
165 100
63 0.0 33.8 50.8#
89 2.6 36.9 55.3#



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





#52

Acenaphthene

Concen: 2.149 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.01 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

Instrument :

BNA_F

ClientSampleId :

TP-CBF-B11

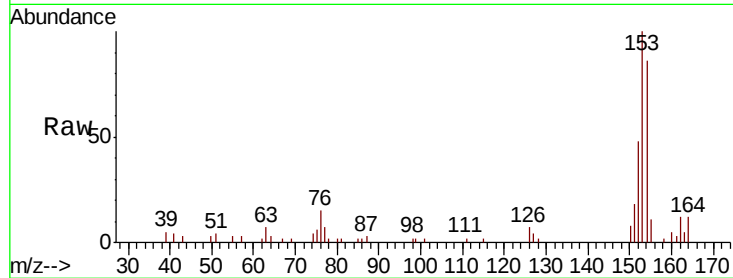
Tot Ion:154 Resp: 13550

Ion Ratio Lower Upper

154 100

153 115.8 89.8 134.6

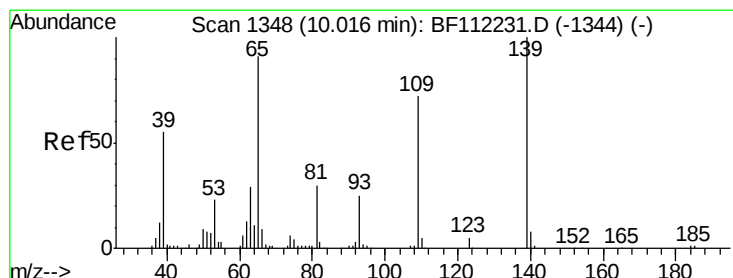
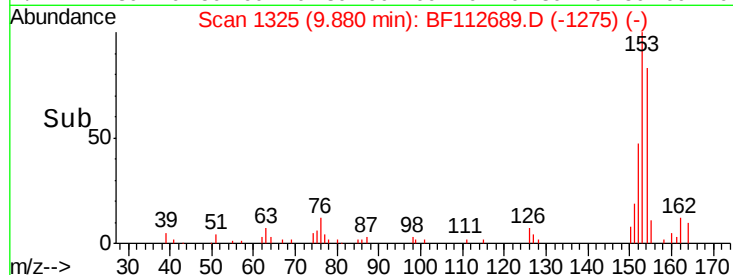
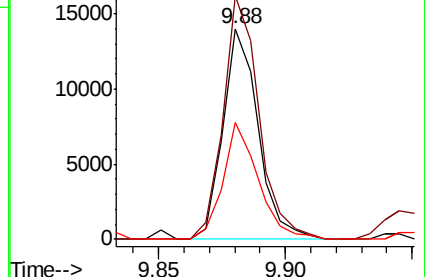
152 55.9 43.5 65.3



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



#56

4-Nitrophenol

Concen: 7.266 ng

RT: 10.06 min Scan# 1356

Delta R.T. 0.03 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

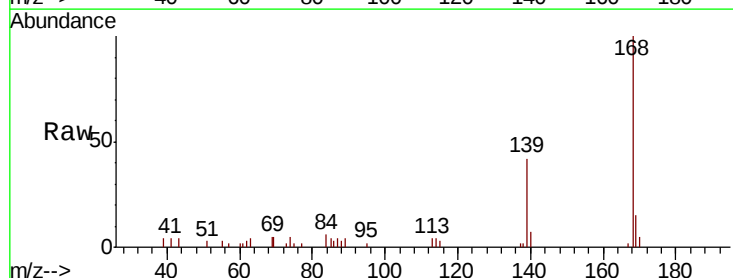
Tgt Ion:139 Resp: 7691

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

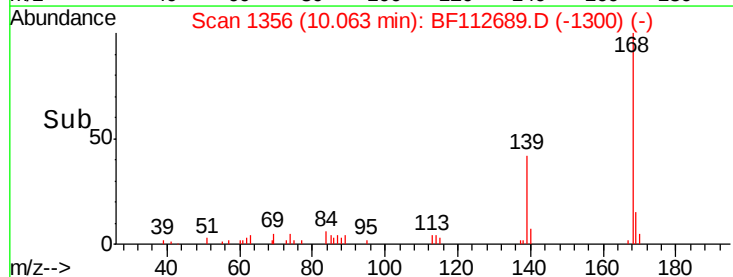
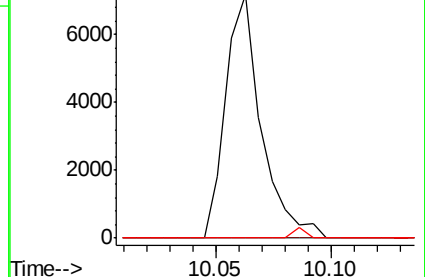
65 0.0 66.1 106.1#

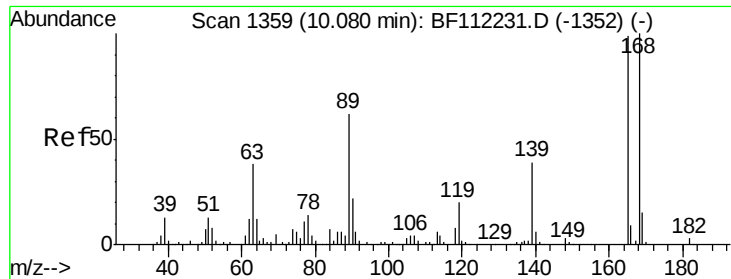


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1

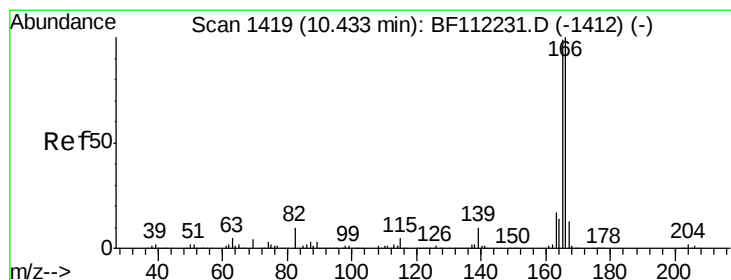
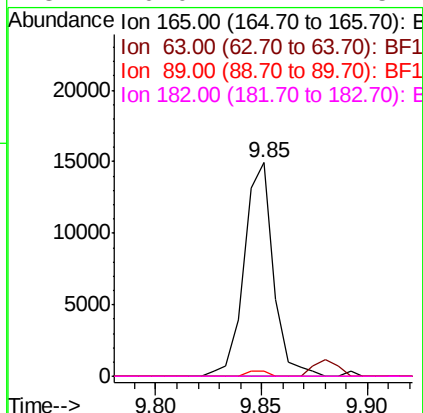
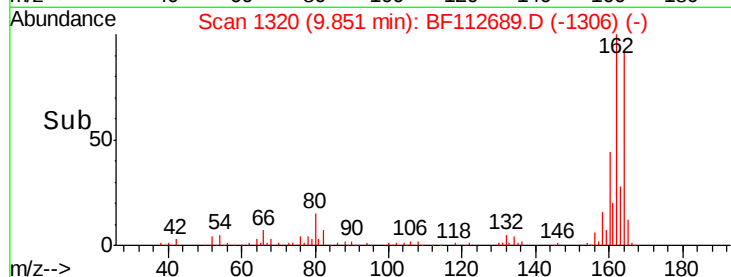
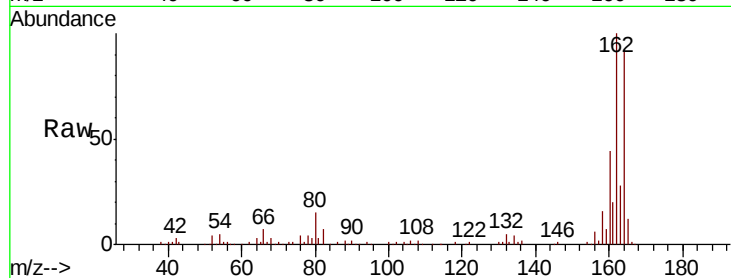




#57
 2,4-Dinitrotoluene
 Concen: 6.079 ng
 RT: 9.85 min Scan# 1320
 Delta R.T. -0.22 min
 Lab File: BF112689.D
 Acq: 25 Feb 2019 13:47

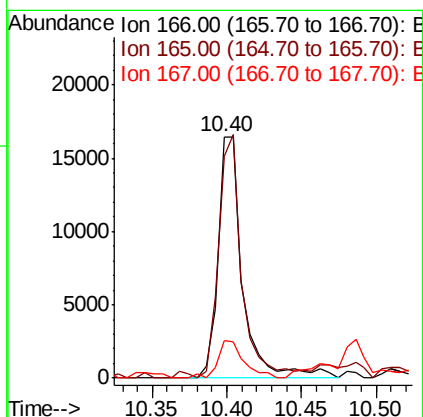
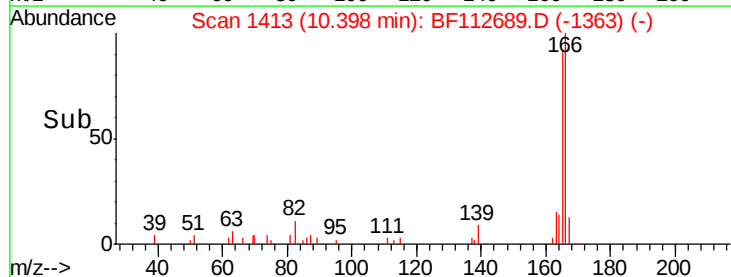
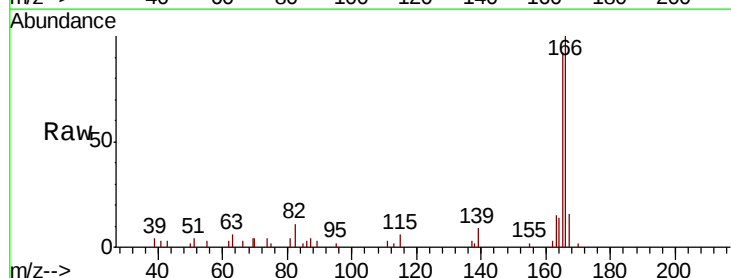
Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B11

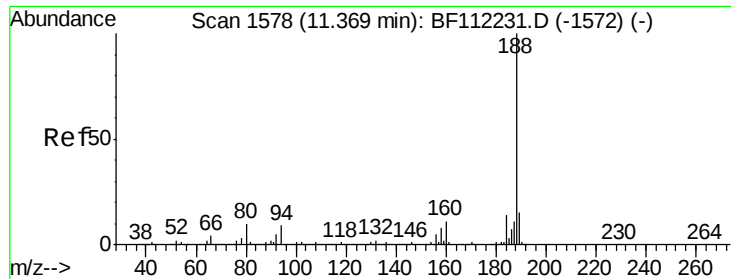
Tot Ion:165	Resp:	14301
Ion	Ratio	Lower Upper
165	100	
63	0.0	27.9 41.9#
89	2.6	47.9 71.9#
182	0.0	2.2 3.4#



#58
 Fluorene
 Concen: 2.642 ng
 RT: 10.40 min Scan# 1413
 Delta R.T. -0.01 min
 Lab File: BF112689.D
 Acq: 25 Feb 2019 13:47

Tgt Ion:166	Resp:	19044
Ion	Ratio	Lower Upper
166	100	
165	91.9	77.1 115.7
167	15.6	11.3 16.9





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

Instrument :

BNA_F

ClientSampleId :

TP-CBF-B11

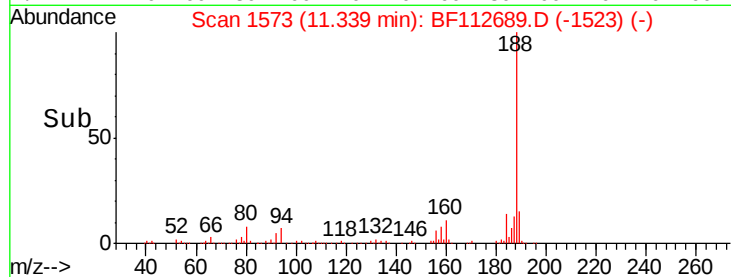
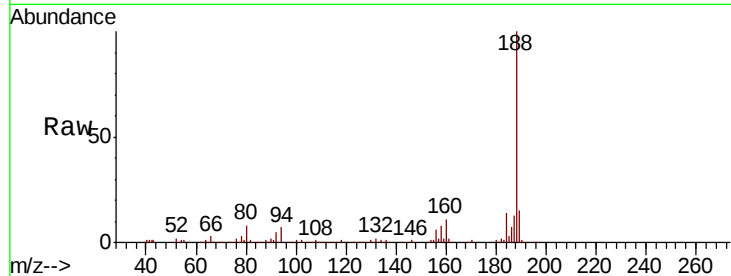
Tot Ion:188 Resp: 167954

Ion Ratio Lower Upper

188 100

94 7.3 8.2 12.2#

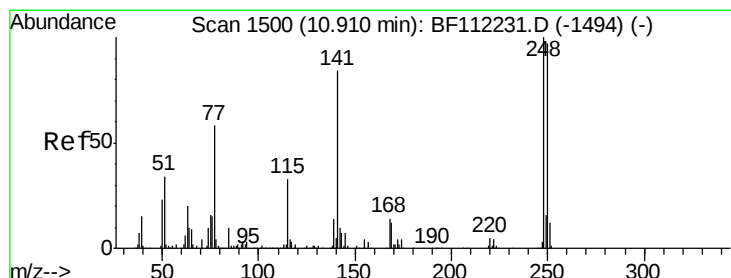
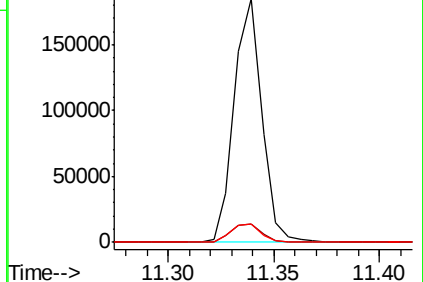
80 7.7 8.9 13.3#



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



#67

4-Bromophenyl-phenylether

Concen: 3.283 ng

RT: 10.64 min Scan# 1455

Delta R.T. -0.24 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

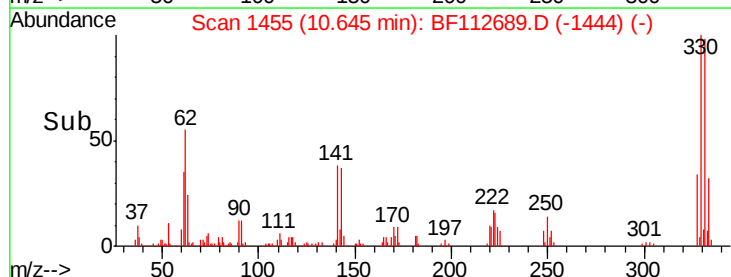
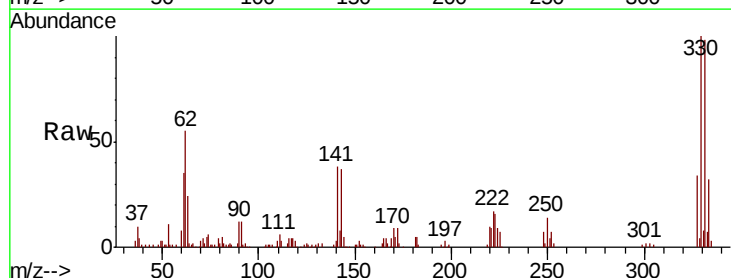
Tgt Ion:248 Resp: 6486

Ion Ratio Lower Upper

248 100

250 200.8 79.7 119.5#

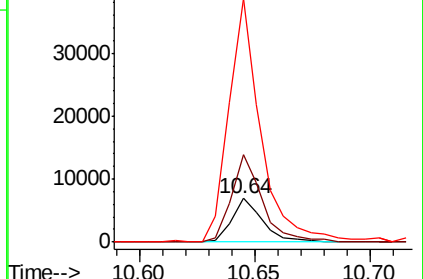
141 556.8 60.3 90.5#

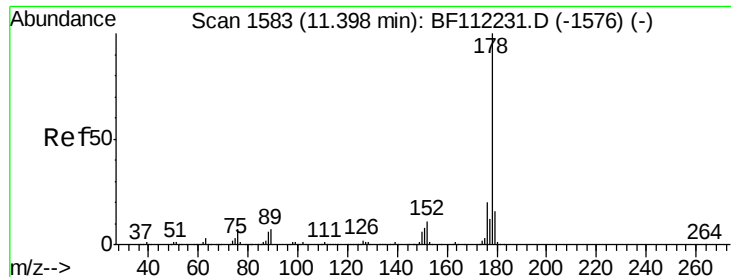


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 59.212 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

Instrument :

BNA_F

ClientSampleId :

TP-CBF-B11

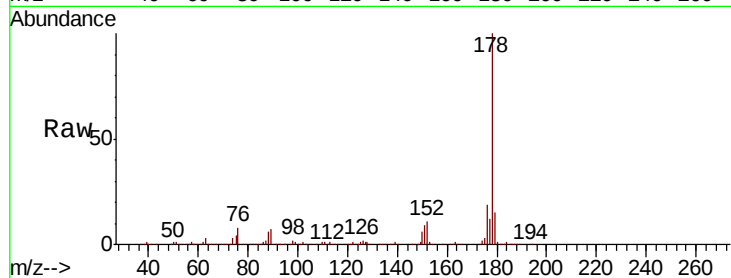
Tot Ion:178 Resp: 517019

Ion Ratio Lower Upper

178 100

176 19.2 16.3 24.5

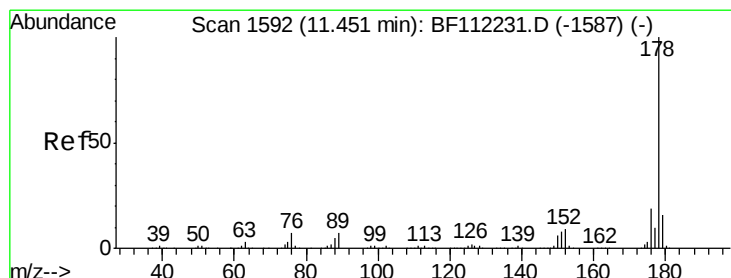
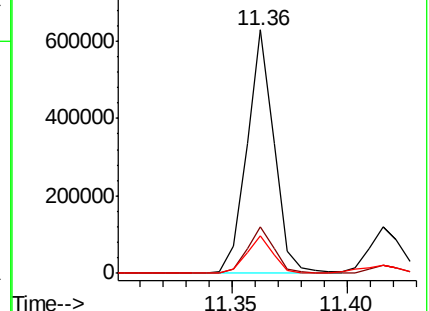
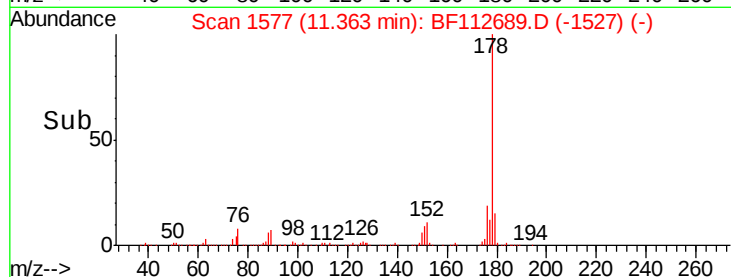
179 15.4 13.0 19.4



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: 12.945 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.01 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

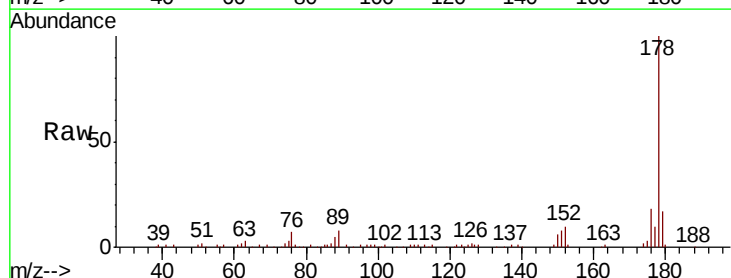
Tgt Ion:178 Resp: 112594

Ion Ratio Lower Upper

178 100

176 18.2 15.5 23.3

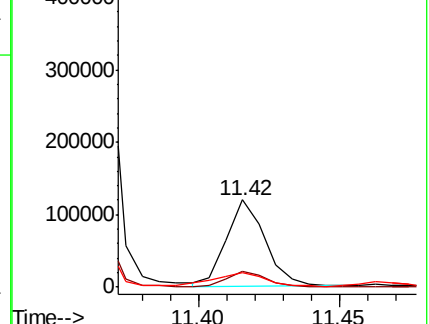
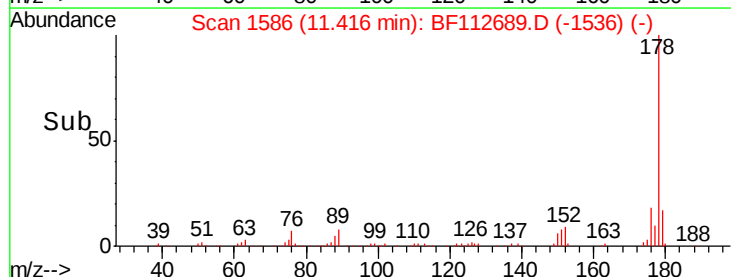
179 16.9 12.8 19.2

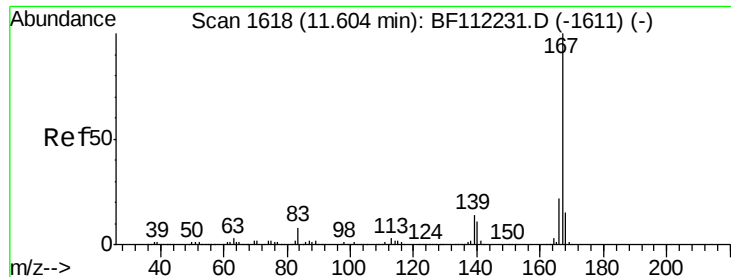


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

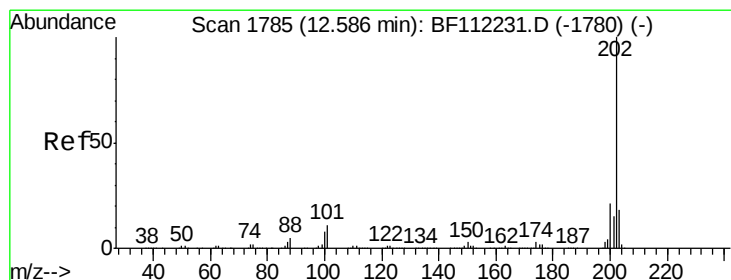
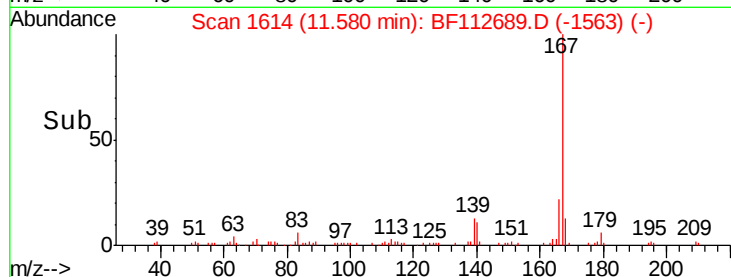
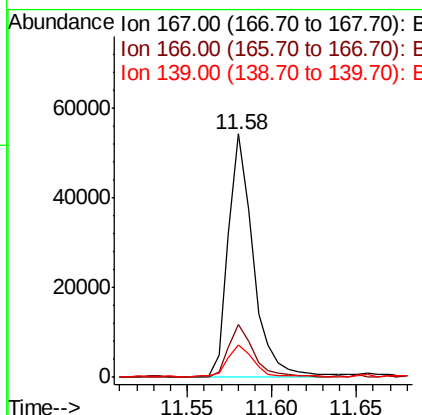
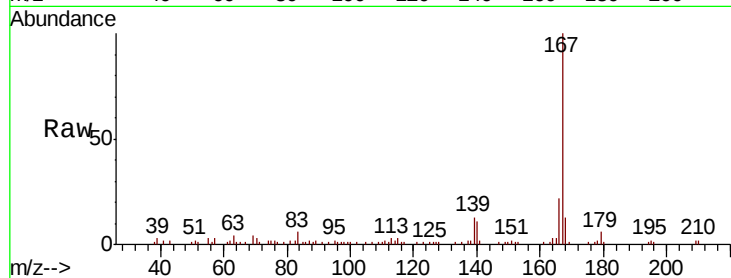




#73
 Carbazole
 Concen: 6.558 ng
 RT: 11.58 min Scan# 1614
 Delta R.T. -0.00 min
 Lab File: BF112689.D
 Acq: 25 Feb 2019 13:47

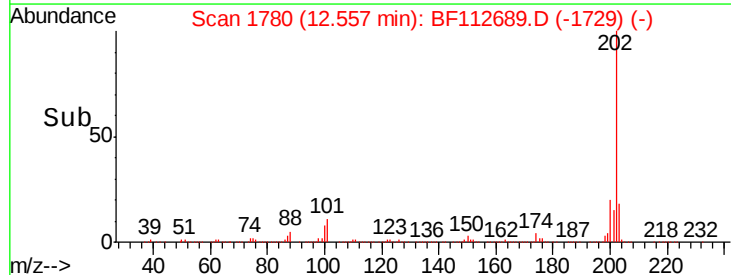
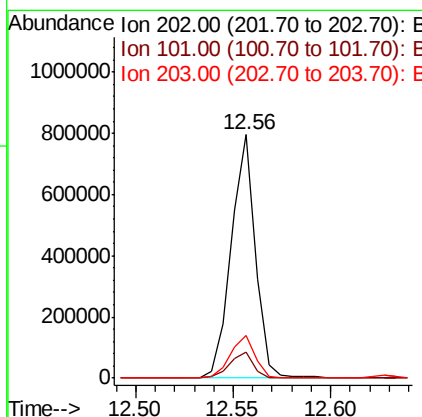
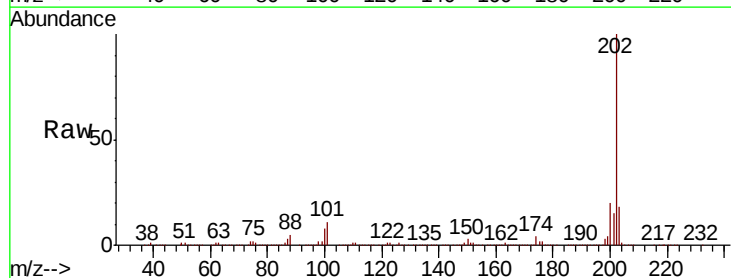
Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B11

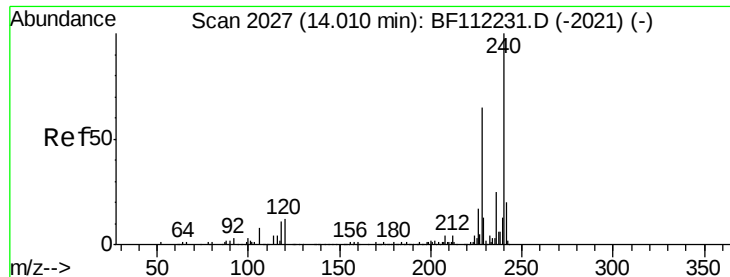
Tot Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.9	26.9
139	13.3	10.2	15.2



#75
 Fluoranthene
 Concen: 73.104 ng
 RT: 12.56 min Scan# 1780
 Delta R.T. -0.00 min
 Lab File: BF112689.D
 Acq: 25 Feb 2019 13:47

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	31.8
203	17.6	0.0	38.4

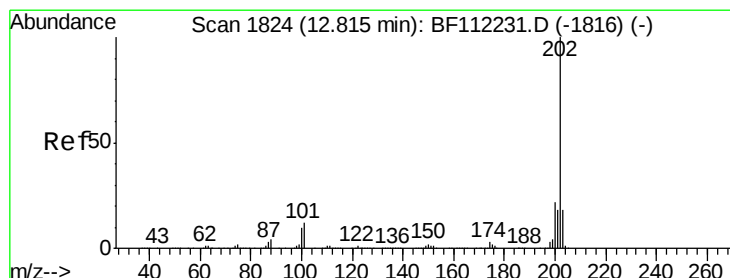
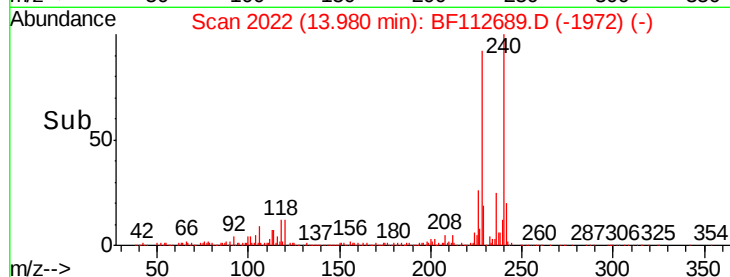
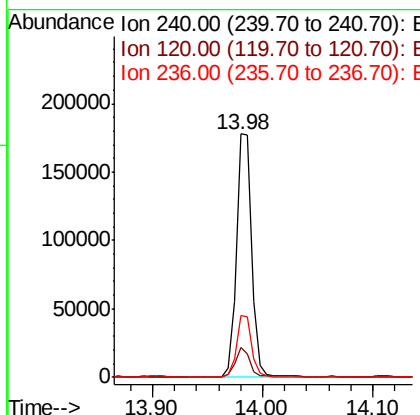
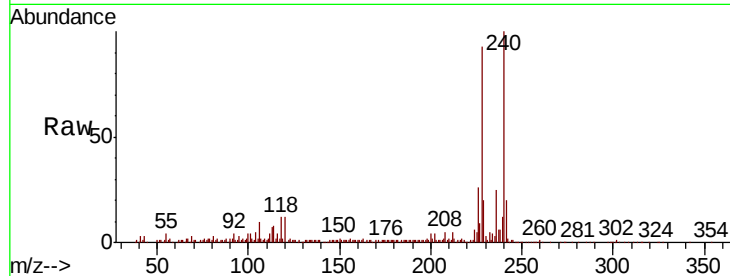




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.98 min Scan# 2022
Delta R.T. -0.01 min
Lab File: BF112689.D
Acq: 25 Feb 2019 13:47

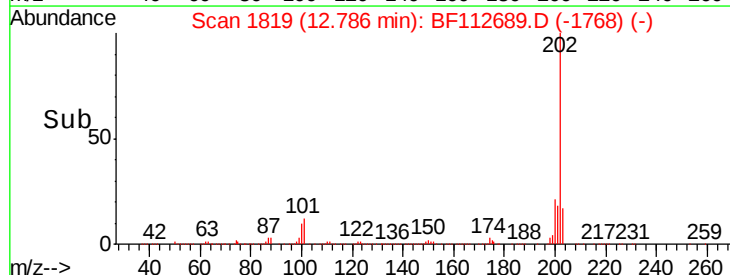
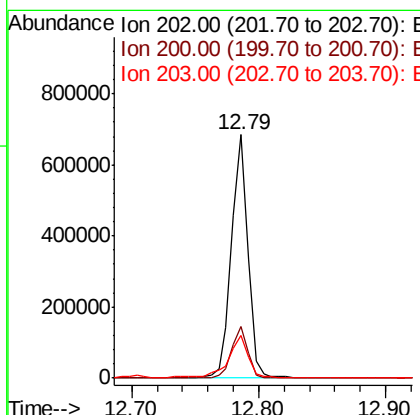
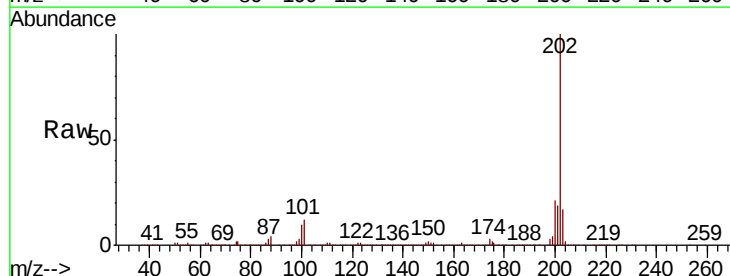
Instrument :
BNA_F
ClientSampleId :
TP-CBF-B11

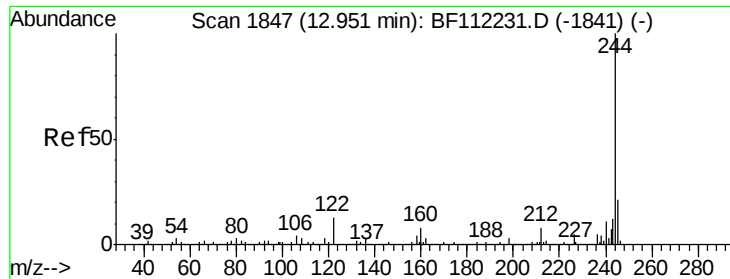
Tot Ion:240 Resp: 174077
Ion Ratio Lower Upper
240 100
120 12.1 9.0 13.6
236 25.2 20.7 31.1



#78
Pyrene
Concen: 50.488 ng
RT: 12.79 min Scan# 1819
Delta R.T. -0.00 min
Lab File: BF112689.D
Acq: 25 Feb 2019 13:47

Tgt Ion:202 Resp: 608490
Ion Ratio Lower Upper
202 100
200 21.3 17.7 26.5
203 17.5 14.6 22.0

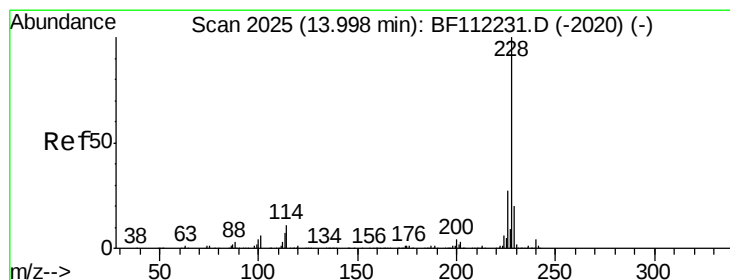
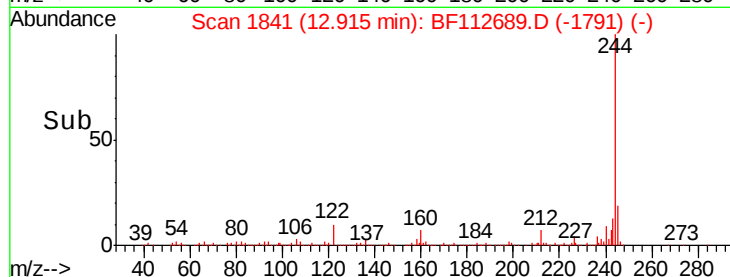
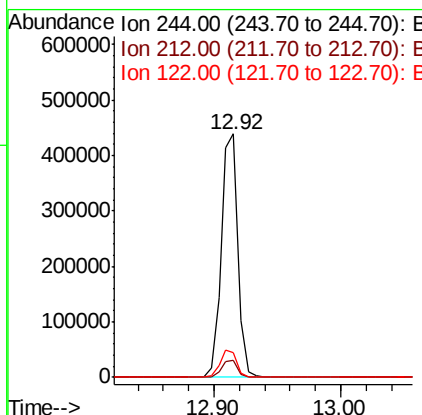
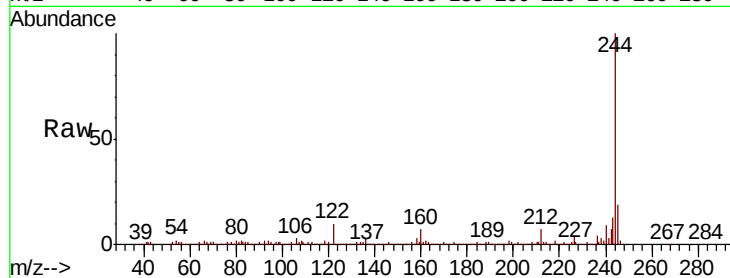




#79
 Terphenyl-d14
 Concen: 43.429 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF112689.D
 Acq: 25 Feb 2019 13:47

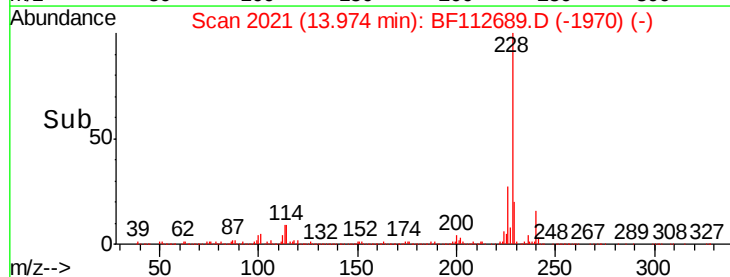
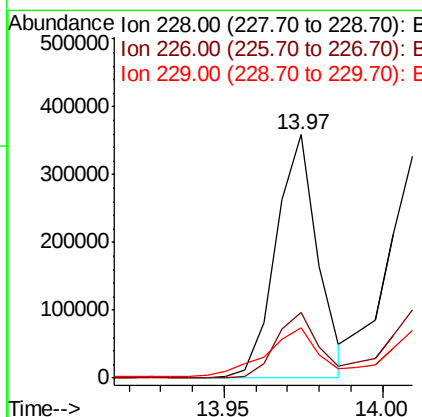
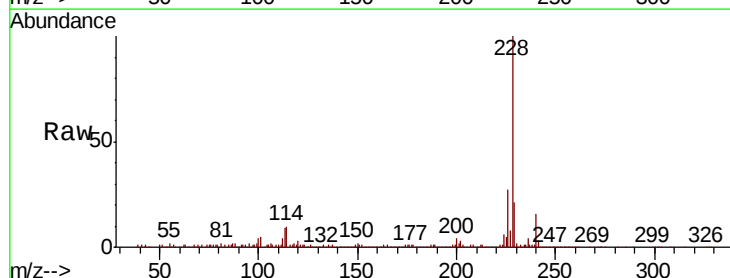
Instrument :
 BNA_F
 ClientSampleId :
 TP-CBF-B11

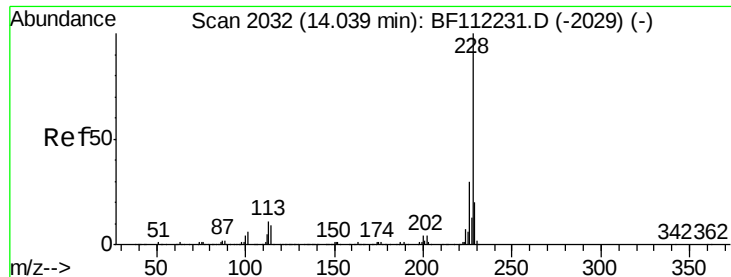
Tot Ion:244 Resp: 401390
 Ion Ratio Lower Upper
 244 100
 212 6.9 5.9 8.9
 122 10.0 9.8 14.6



#81
 Benzo(a)anthracene
 Concen: 31.986 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.00 min
 Lab File: BF112689.D
 Acq: 25 Feb 2019 13:47

Tgt Ion:228 Resp: 327316
 Ion Ratio Lower Upper
 228 100
 226 27.2 22.6 34.0
 229 20.8 16.5 24.7

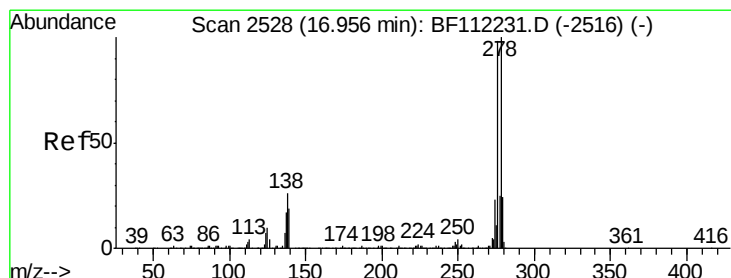
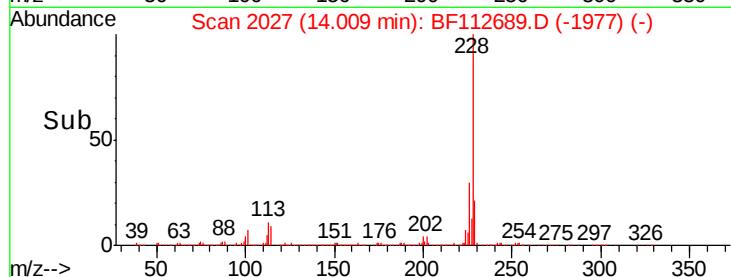
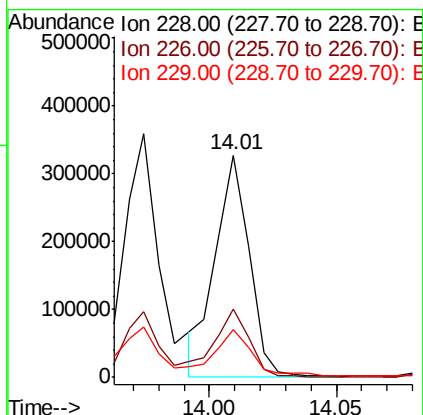
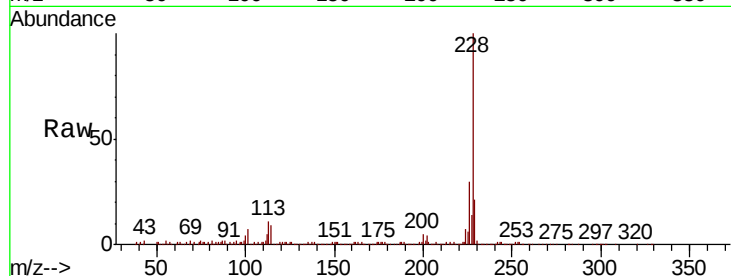




#83
Chrysene
Concen: 31.097 ng
RT: 14.01 min Scan# 2027
Delta R.T. -0.01 min
Lab File: BF112689.D
Acq: 25 Feb 2019 13:47

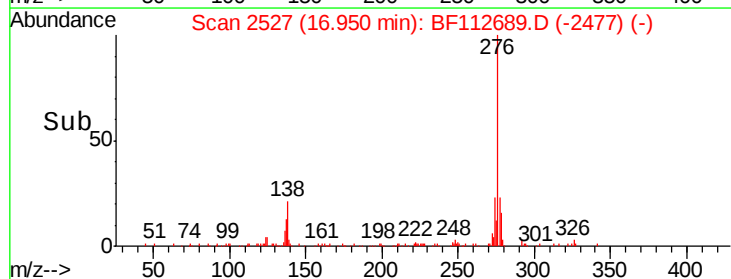
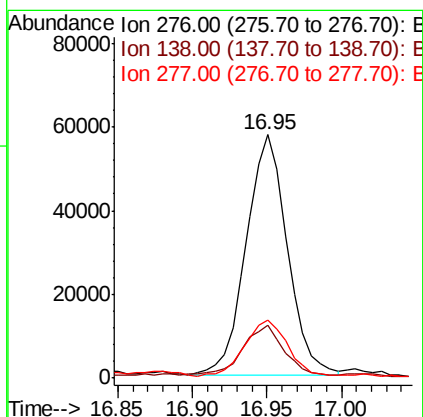
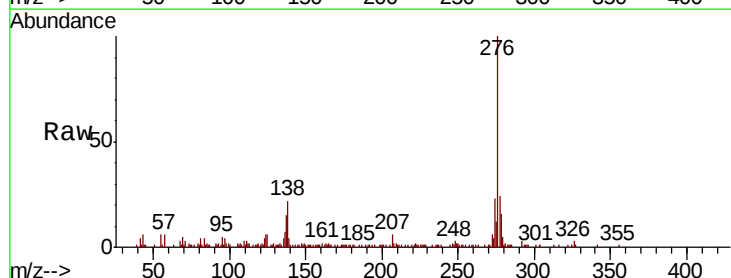
Instrument :
BNA_F
ClientSampleId :
TP-CBF-B11

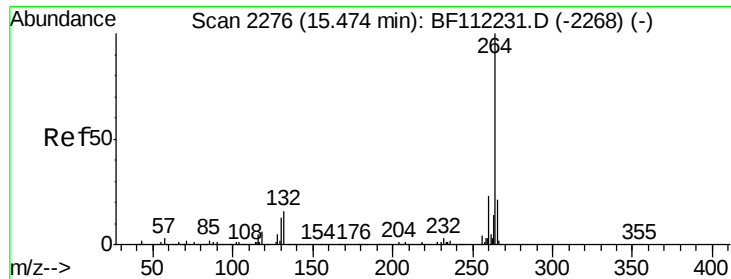
Tot Ion	Ratio	Lower	Upper
228	100		
226	30.4	25.0	37.6
229	21.5	16.6	24.8



#86
Indeno(1,2,3-cd)pyrene
Concen: 14.096 ng
RT: 16.95 min Scan# 2527
Delta R.T. -0.01 min
Lab File: BF112689.D
Acq: 25 Feb 2019 13:47

Tgt Ion	Ratio	Lower	Upper
276	100		
138	20.2	22.6	34.0#
277	24.0	20.3	30.5



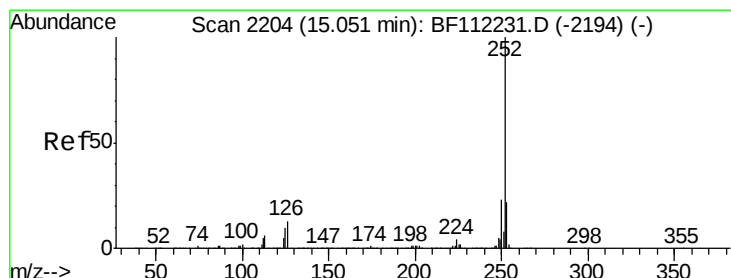
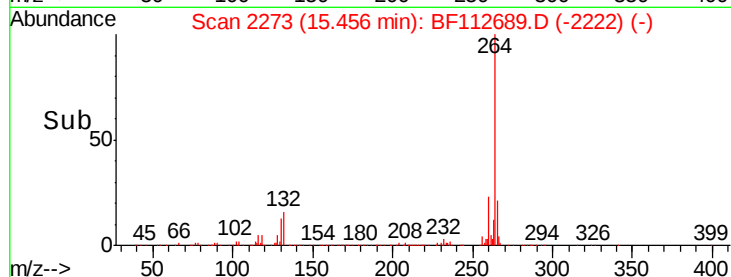
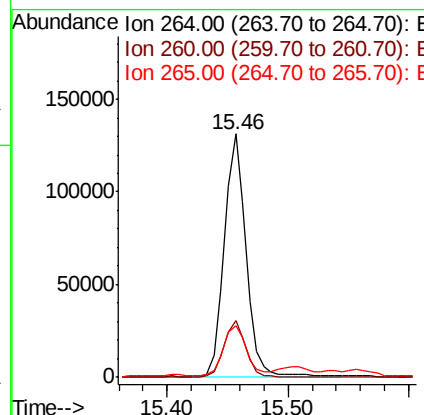
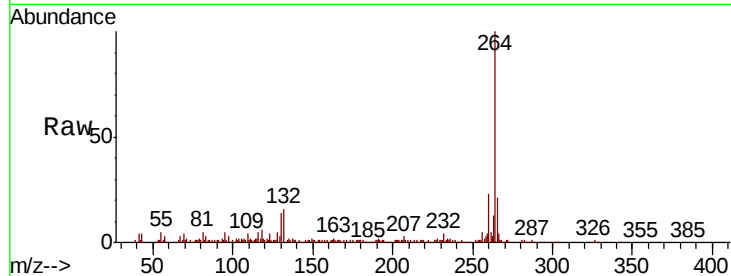


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF112689.D
Acq: 25 Feb 2019 13:47

Instrument :
BNA_F
ClientSampleId :
TP-CBF-B11

Tot Ion:264 Resp: 162070

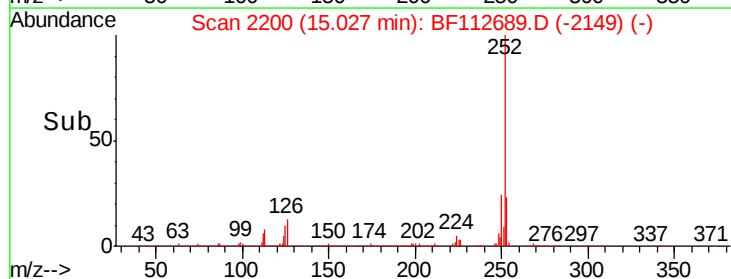
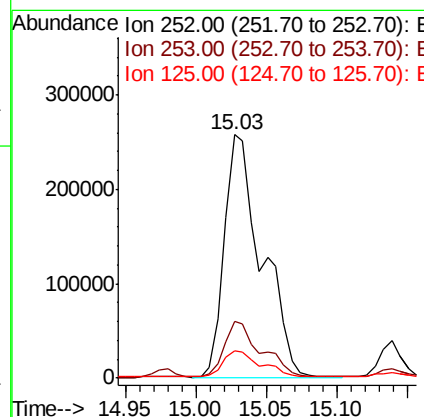
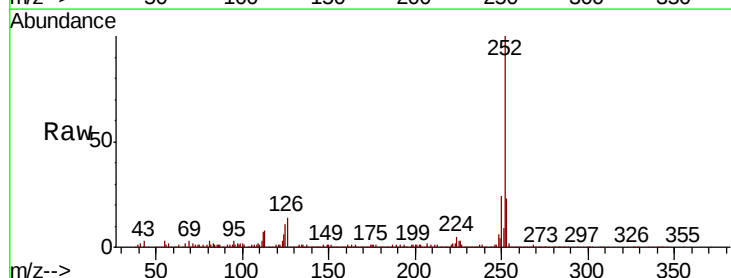
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.2	27.2
265	21.3	17.0	25.4

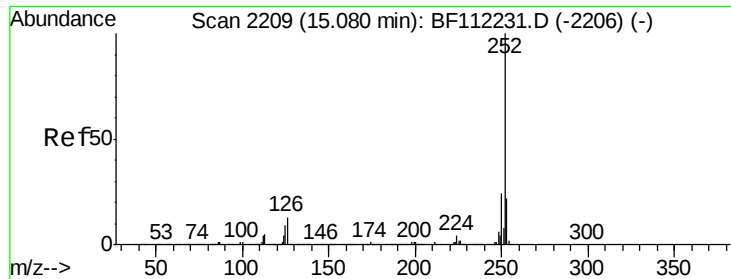


#88
Benzo(b)fluoranthene
Concen: 49.297 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.00 min
Lab File: BF112689.D
Acq: 25 Feb 2019 13:47

Tgt Ion:252 Resp: 477815

Ion	Ratio	Lower	Upper
252	100		
253	23.2	18.0	27.0
125	11.2	8.7	13.1

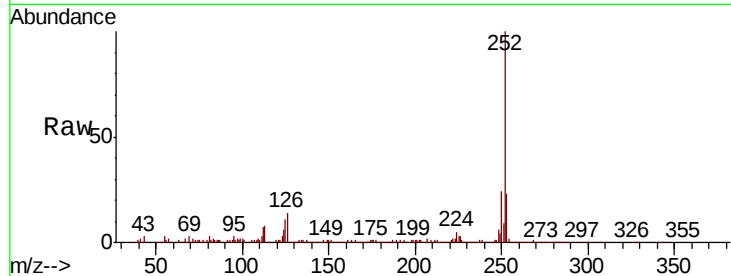




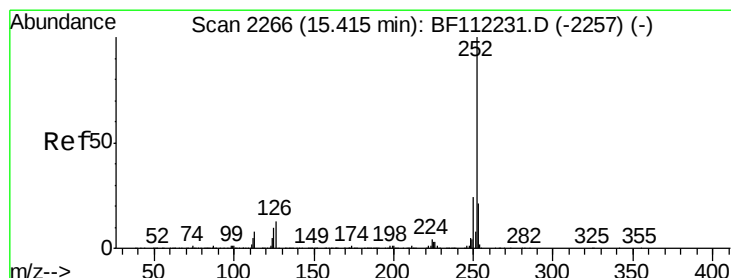
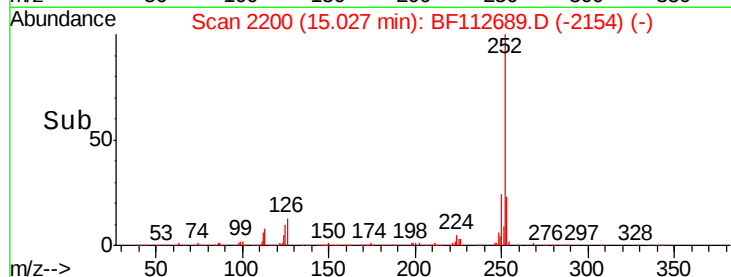
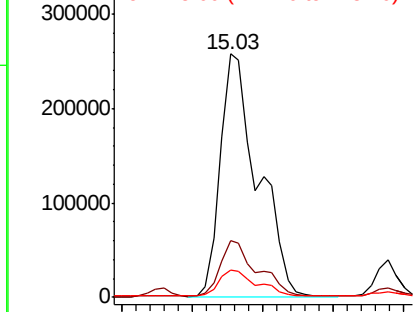
#89
Benzo(k)fluoranthene
Concen: 51.466 ng
RT: 15.03 min Scan# 2209
Delta R.T. -0.03 min
Lab File: BF112689.D
Acq: 25 Feb 2019 13:47

Instrument :
BNA_F
ClientSampleId :
TP-CBF-B11

Tot Ion:252 Resp: 477815
Ion Ratio Lower Upper
252 100
253 23.2 18.0 27.0
125 11.2 9.1 13.7

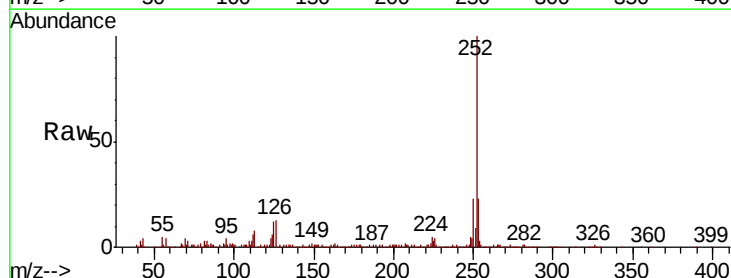


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

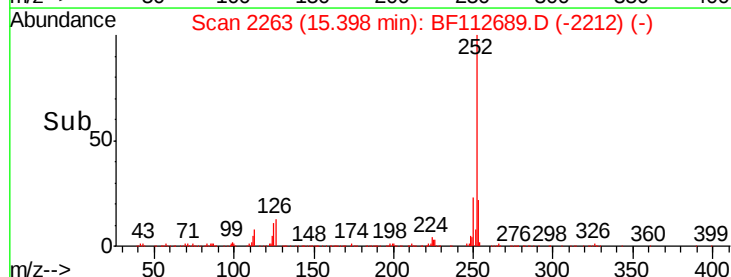
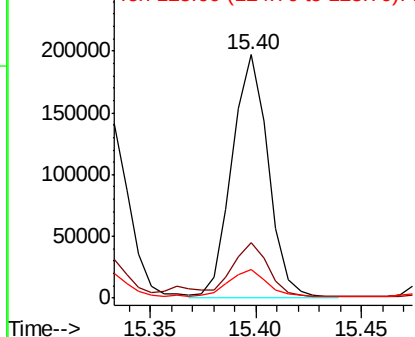


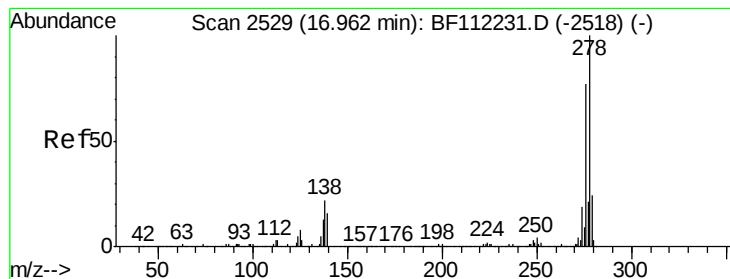
#90
Benzo(a)pyrene
Concen: 26.691 ng
RT: 15.40 min Scan# 2263
Delta R.T. -0.00 min
Lab File: BF112689.D
Acq: 25 Feb 2019 13:47

Tgt Ion:252 Resp: 232777
Ion Ratio Lower Upper
252 100
253 22.8 17.5 26.3
125 11.8 9.0 13.4



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 4.260 ng

RT: 16.94 min Scan# 2525

Delta R.T. -0.01 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

Instrument :

BNA_F

ClientSampleId :

TP-CBF-B11

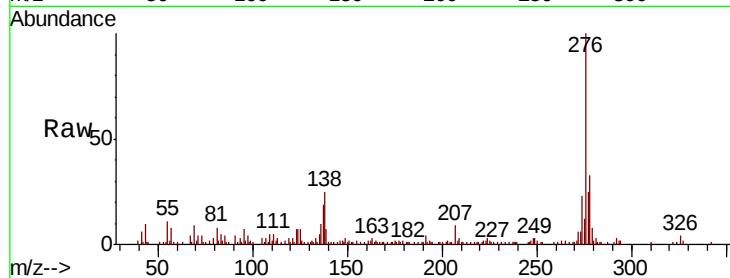
Tot Ion:278 Resp: 29941

Ion Ratio Lower Upper

278 100

139 19.8 13.7 20.5

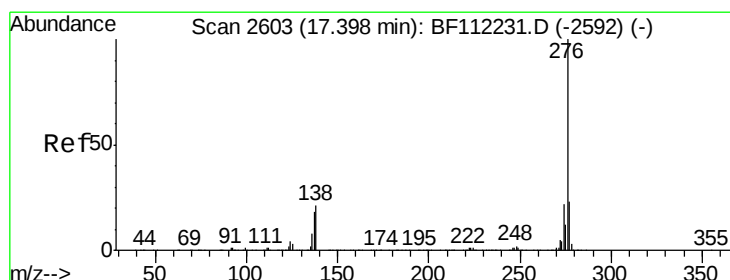
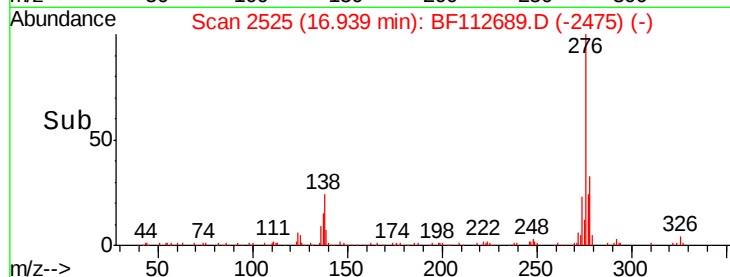
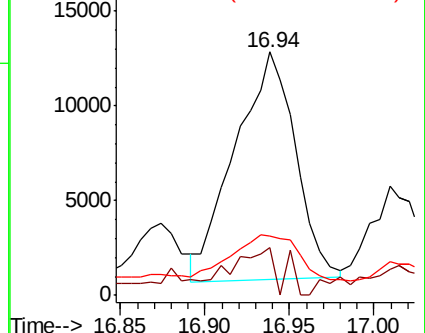
279 24.4 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 15.673 ng

RT: 17.40 min Scan# 2604

Delta R.T. 0.01 min

Lab File: BF112689.D

Acq: 25 Feb 2019 13:47

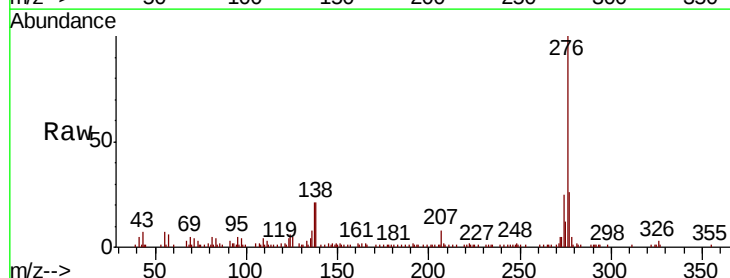
Tgt Ion:276 Resp: 103936

Ion Ratio Lower Upper

276 100

277 25.6 19.4 29.0

138 21.4 19.1 28.7



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

