

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF060220\
 Data File : BF120488.D
 Acq On : 2 Jun 2020 12:13
 Operator : JU/CG
 Sample : L2798-04
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jun 02 13:36:16 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 02 11:37:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	218755	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	803443	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	385303	20.00	ng	0.00
64) Phenanthrene-d10	11.37	188	644559	20.00	ng	0.00
76) Chrysene-d12	14.01	240	415130	20.00	ng	0.00
86) Perylene-d12	15.47	264	458049	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.47	112	877801	76.47	ng	0.00
7) Phenol-d6	6.48	99	1134343	80.18	ng	0.00
23) Nitrobenzene-d5	7.40	82	714345	58.16	ng	0.00
42) 2,4,6-Tribromophenol	10.67	330	287530	80.54	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1343094	59.14	ng	0.00
79) Terphenyl-d14	12.95	244	1133509	60.76	ng	0.00

Target Compounds

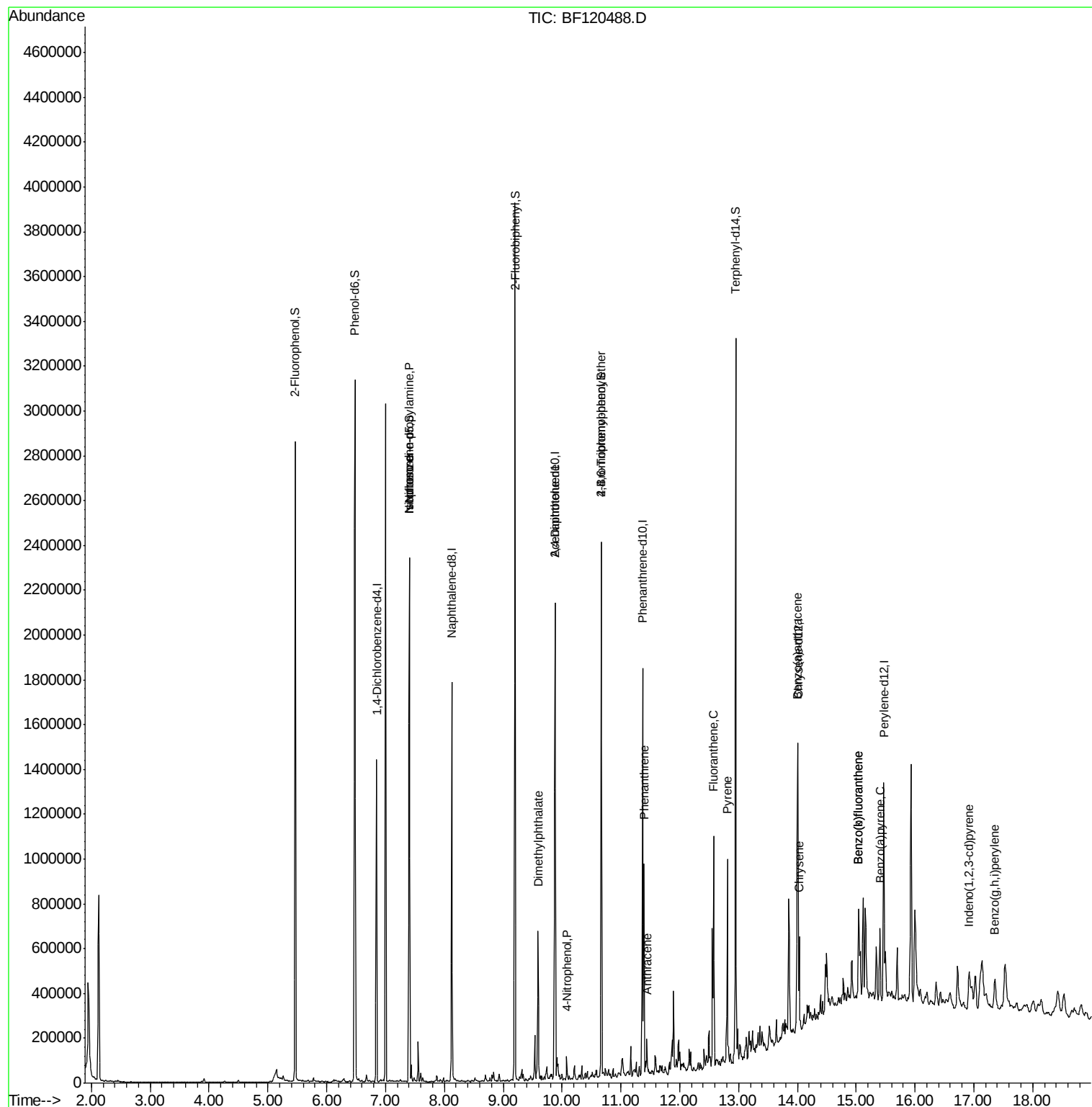
						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	92705	10.308	ng	# 79
25) Isophorone	7.40	82	708749	28.710	ng	# 64
50) Dimethylphthalate	9.59	163	235033	9.757	ng	99
56) 4-Nitrophenol	10.09	139	11428	2.375	ng	# 14
57) 2,4-Dinitrotoluene	9.88	165	50751	7.408	ng	# 26
67) 4-Bromophenyl-phenylether	10.67	248	17755	2.729	ng	# 1
71) Phenanthrene	11.39	178	324781	11.435	ng	98
72) Anthracene	11.44	178	57984	2.035	ng	98
75) Fluoranthene	12.58	202	377956	12.368	ng	97
78) Pyrene	12.81	202	354345	12.274	ng	98
81) Benzo(a)anthracene	14.00	228	165584	7.442	ng	98
83) Chrysene	14.03	228	164655	7.059	ng	98
87) Indeno(1,2,3-cd)pyrene	16.92	276	104476	4.170	ng	94
88) Benzo(b)fluoranthene	15.04	252	289400	11.375	ng	97
89) Benzo(k)fluoranthene	15.04	252	289400	12.185	ng	# 95
90) Benzo(a)pyrene	15.40	252	163366	7.341	ng	98
92) Benzo(a,h,i)perylene	17.36	276	96749	4.803	ng	100

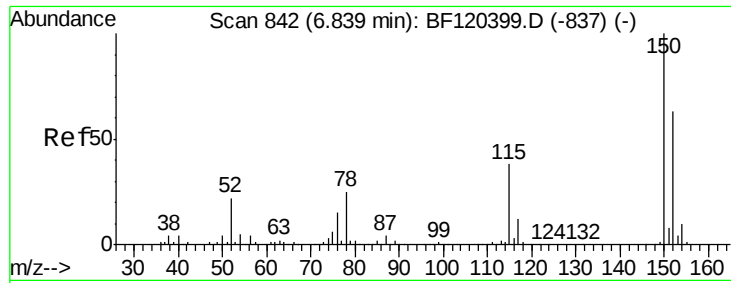
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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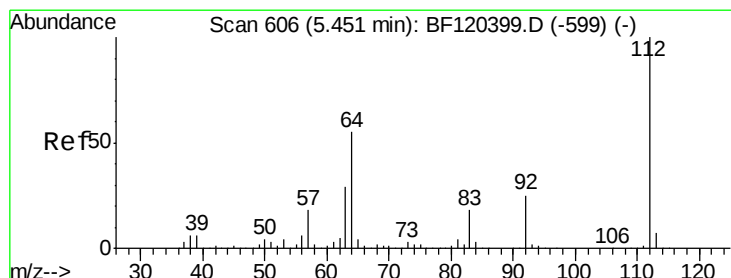
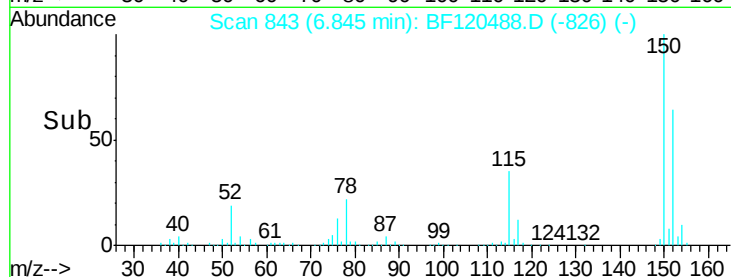
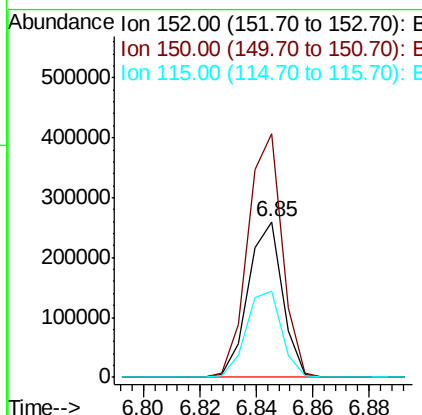
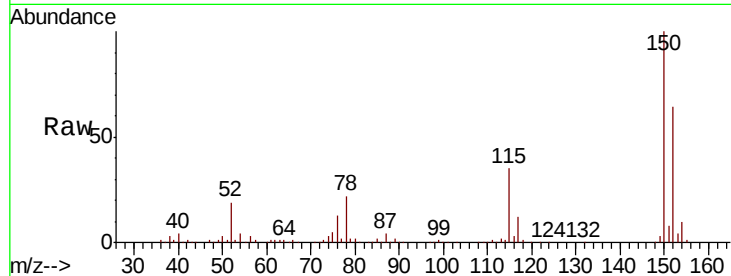




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.85 min Scan# 843
 Delta R.T. 0.00 min
 Lab File: BF120488.D
 Acq: 2 Jun 2020 12:13

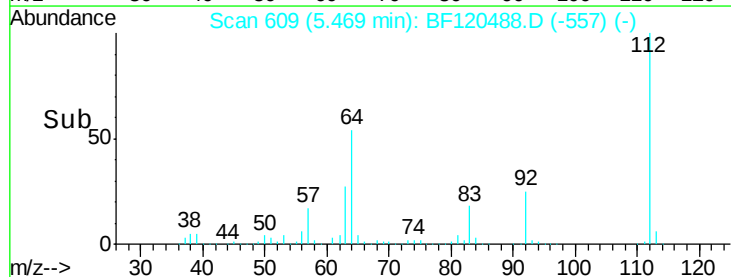
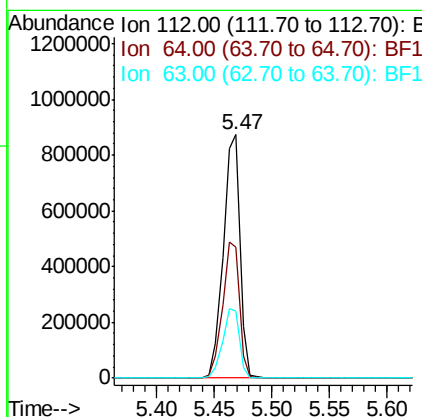
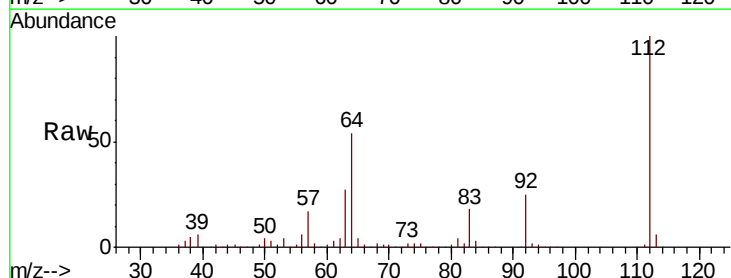
Instrument :
 BNA_F
 ClientSampled :

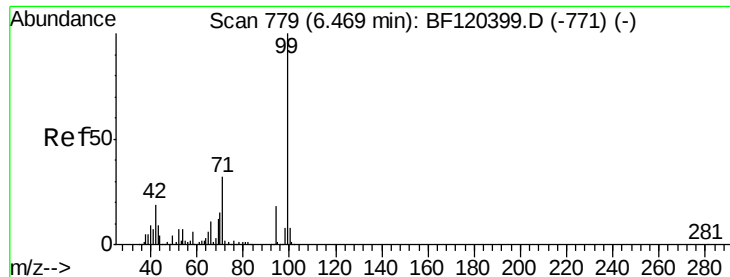
Tot Ion:152 Resp: 218755
 Ion Ratio Lower Upper
 152 100
 150 156.2 126.7 190.1
 115 55.4 46.2 69.2



#5
 2-Fluorophenol
 Concen: 76.472 ng
 RT: 5.47 min Scan# 609
 Delta R.T. 0.01 min
 Lab File: BF120488.D
 Acq: 2 Jun 2020 12:13

Tgt Ion:112 Resp: 877801
 Ion Ratio Lower Upper
 112 100
 64 53.9 46.3 69.5
 63 27.3 24.2 36.2





#7

Phenol-d6

Concen: 80.175 ng

RT: 6.48 min Scan# 781

Delta R.T. 0.00 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

Instrument :

BNA_F

ClientSampleId :

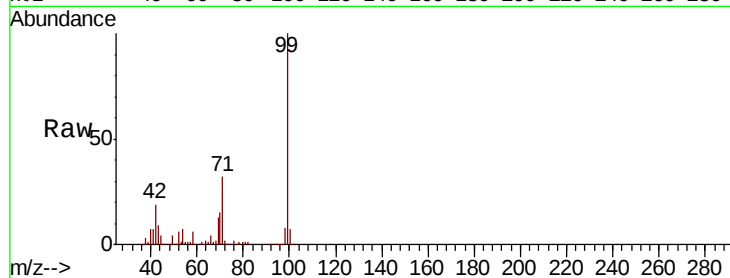
Tot Ion: 99 Resp: 1134343

Ion Ratio Lower Upper

99 100

42 18.7 15.1 22.7

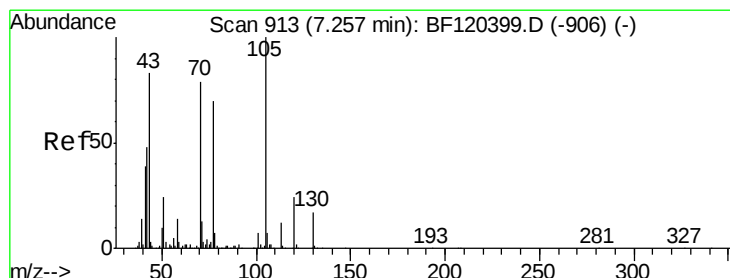
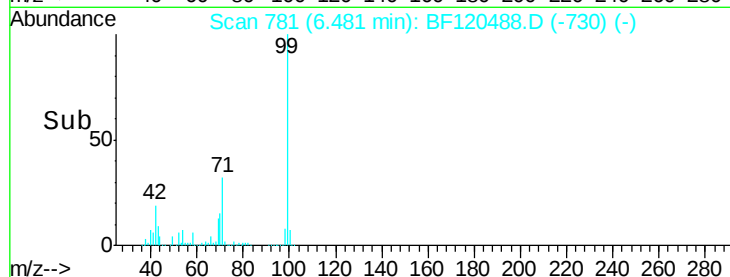
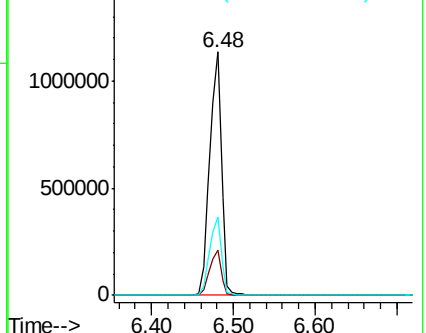
71 32.5 26.2 39.4



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.308 ng

RT: 7.40 min Scan# 938

Delta R.T. 0.14 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

Tgt Ion: 70 Resp: 92705

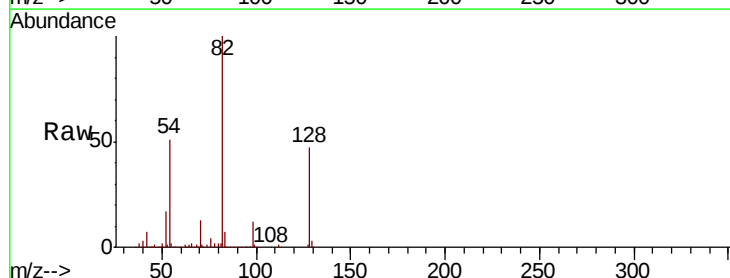
Ion Ratio Lower Upper

70 100

42 49.2 47.4 71.2

101 0.0 7.8 11.6#

130 2.6 17.1 25.7#

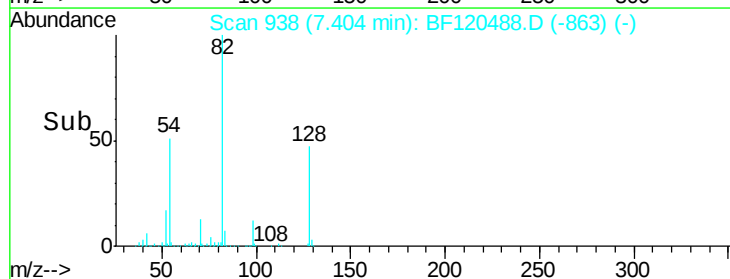
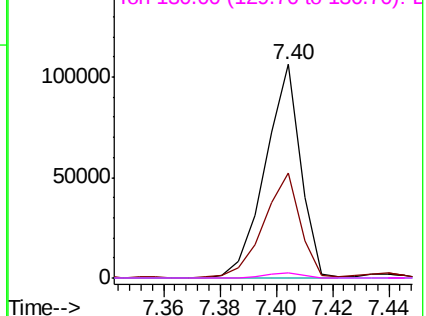


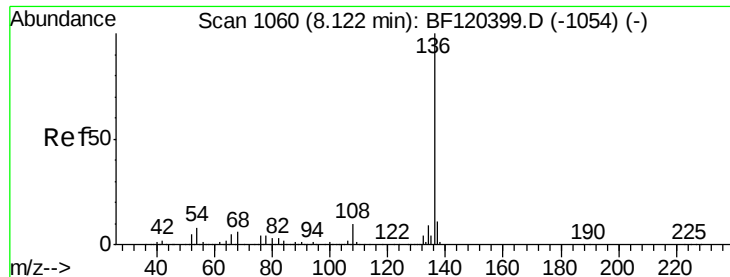
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.13 min Scan# 1061

Delta R.T. 0.00 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 803443

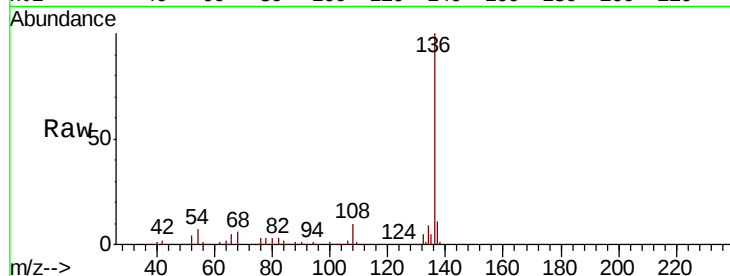
Ion Ratio Lower Upper

136 100

137 10.9 9.0 13.6

54 7.2 6.2 9.4

68 5.5 5.0 7.6

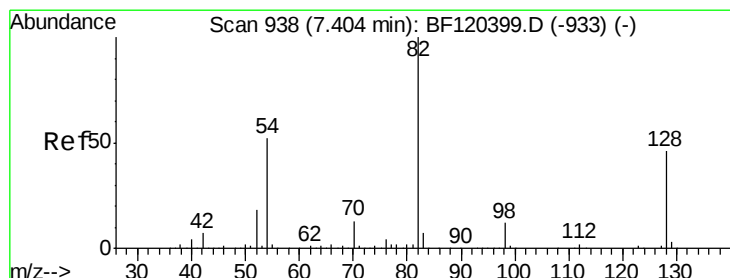
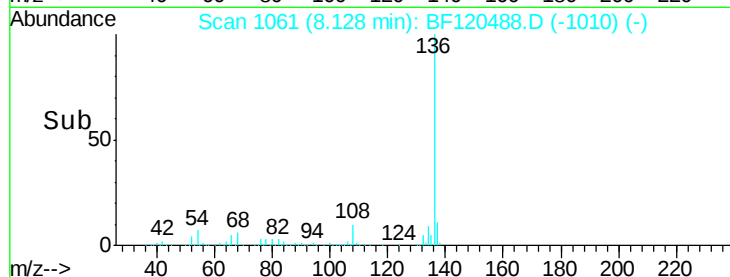
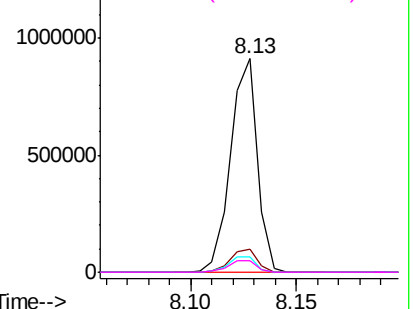


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 58.159 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.01 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

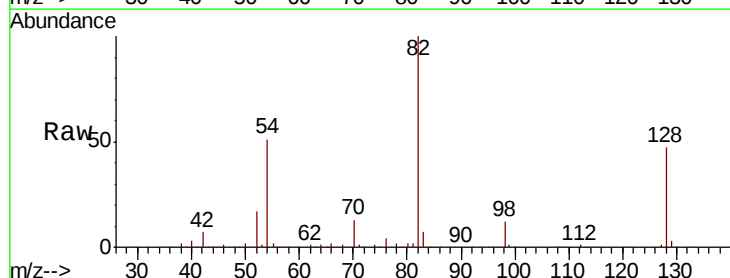
Tgt Ion: 82 Resp: 714345

Ion Ratio Lower Upper

82 100

128 46.9 37.0 55.6

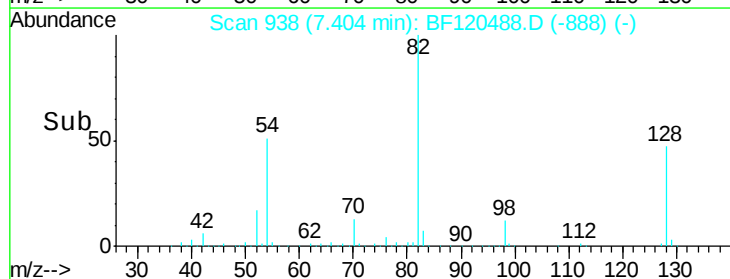
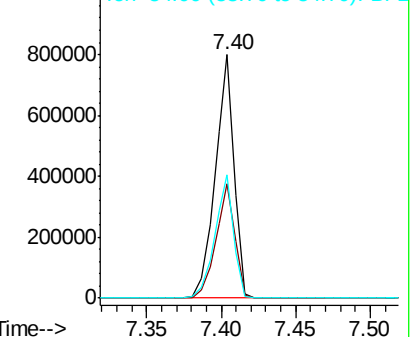
54 50.6 41.0 61.4

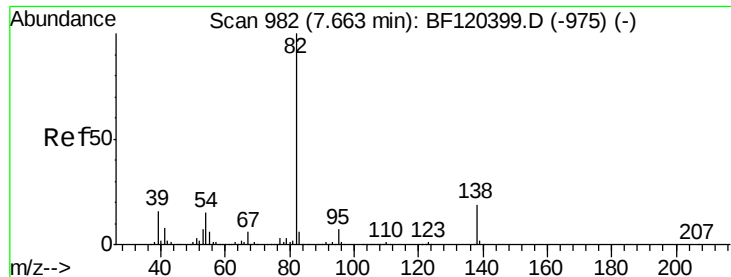


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 28.710 ng

RT: 7.40 min Scan# 938

Delta R.T. -0.26 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

Instrument :

BNA_F

ClientSampled :

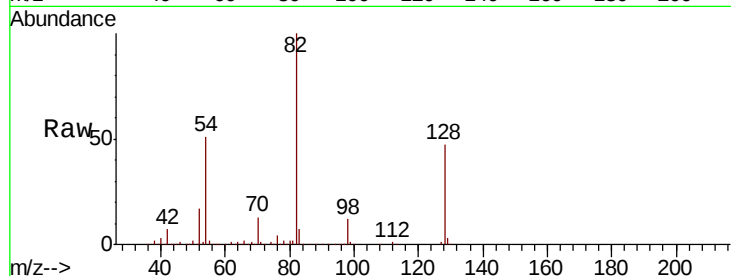
Tot Ion: 82 Resp: 708749

Ion Ratio Lower Upper

82 100

95 0.0 5.7 8.5#

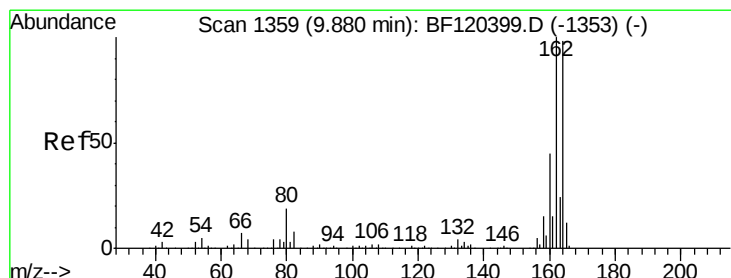
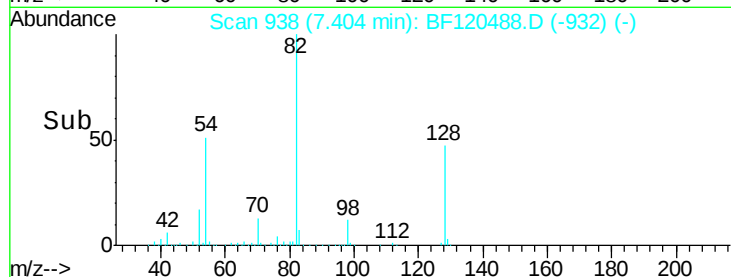
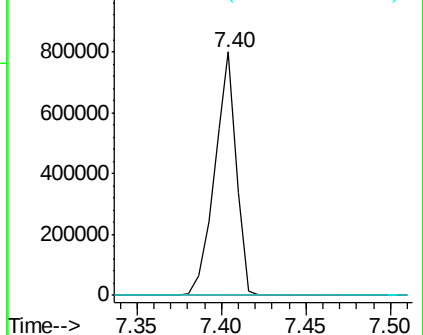
138 0.0 15.0 22.6#



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: 9.88 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

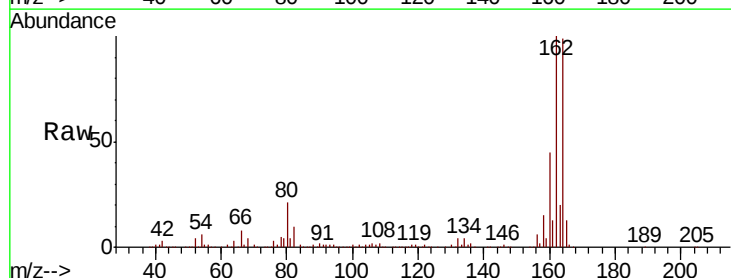
Tgt Ion:164 Resp: 385303

Ion Ratio Lower Upper

164 100

162 100.9 81.9 122.9

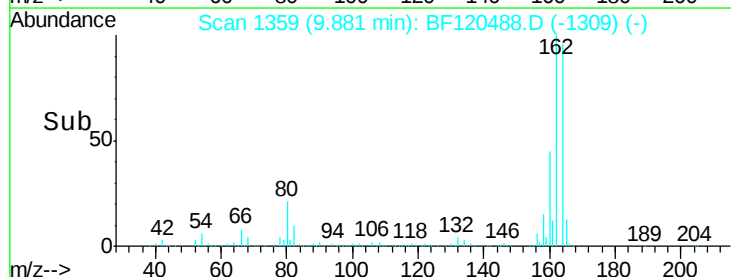
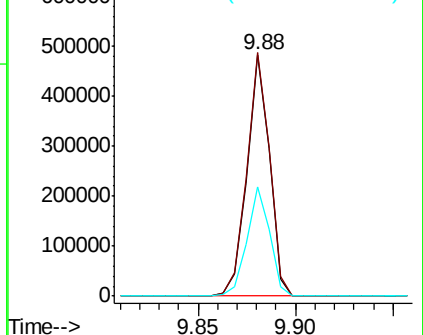
160 45.5 37.4 56.0

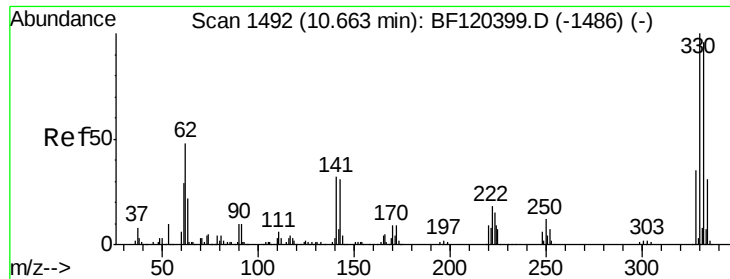


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

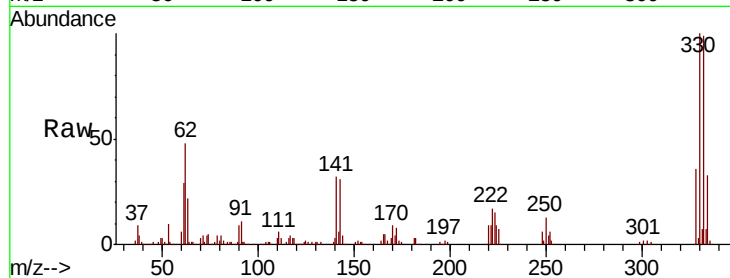




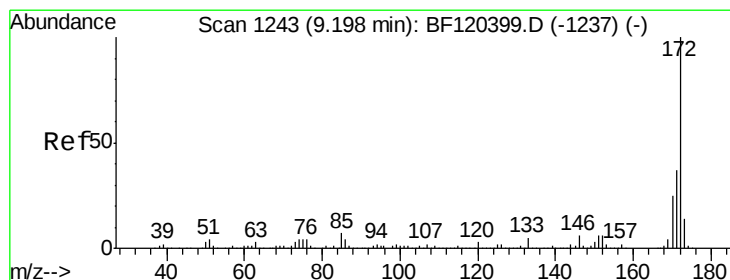
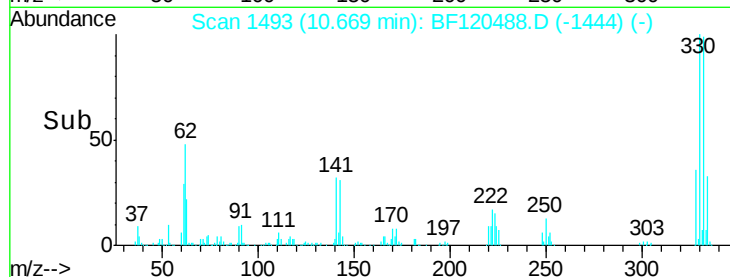
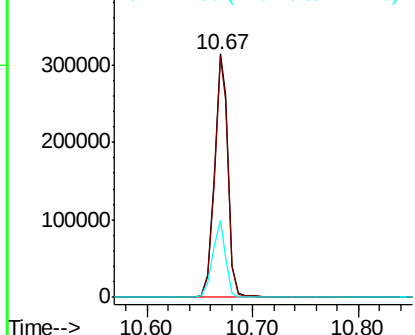
#42
 2,4,6-Tribromophenol
 Concen: 80.541 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.01 min
 Lab File: BF120488.D
 Acq: 2 Jun 2020 12:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.8	115.2
141	30.5	23.9	35.9

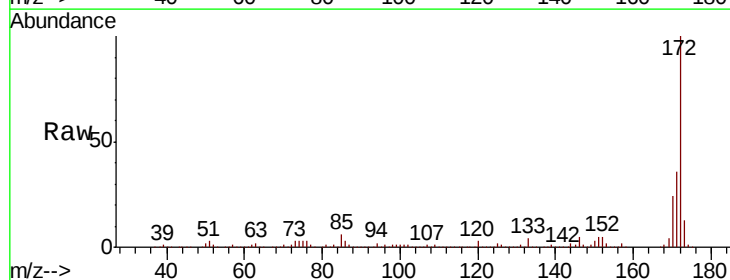


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

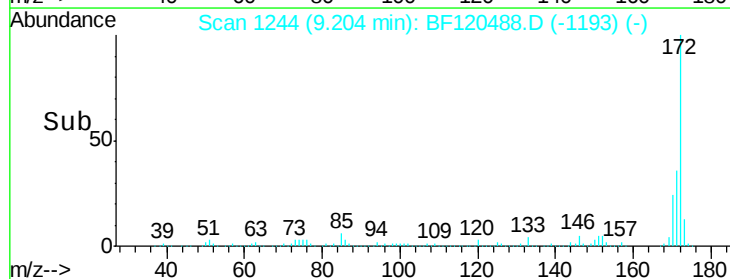
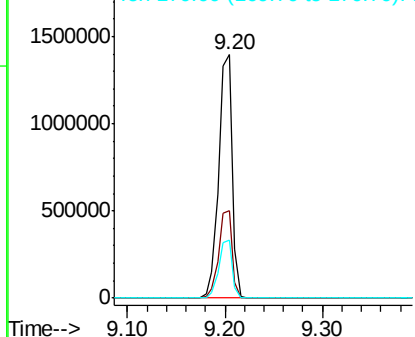


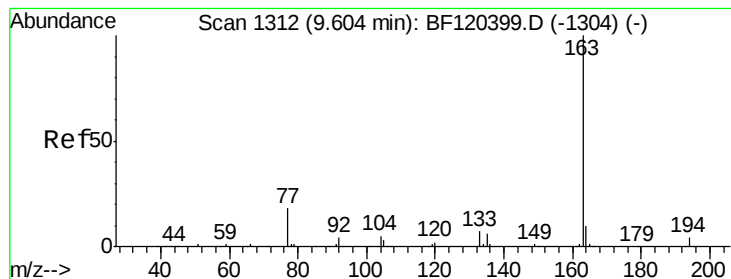
#45
 2-Fluorobiphenyl
 Concen: 59.144 ng
 RT: 9.20 min Scan# 1244
 Delta R.T. 0.00 min
 Lab File: BF120488.D
 Acq: 2 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.0	29.4	44.2
170	24.1	19.9	29.9



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: 9.757 ng

RT: 9.59 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

Instrument :

BNA_F

ClientSampleId :

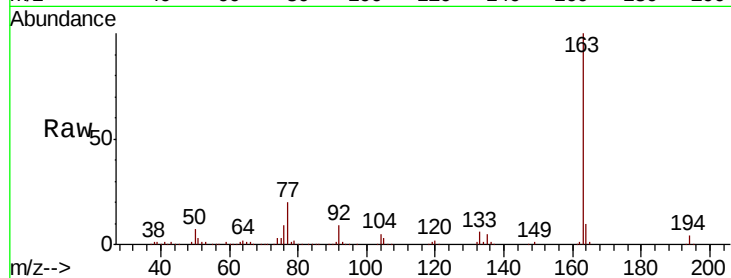
Tot Ion:163 Resp: 235033

Ion Ratio Lower Upper

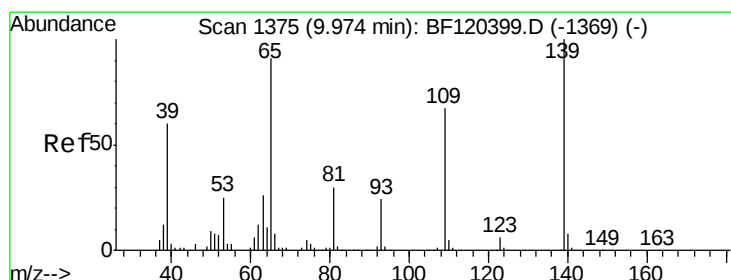
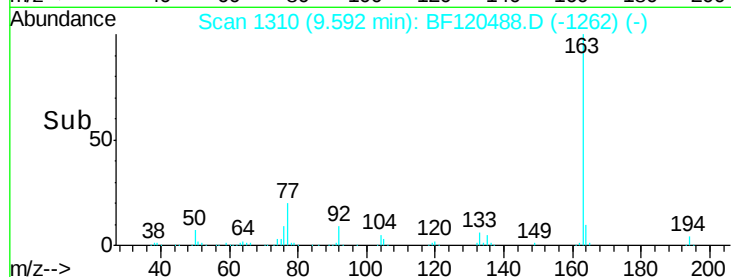
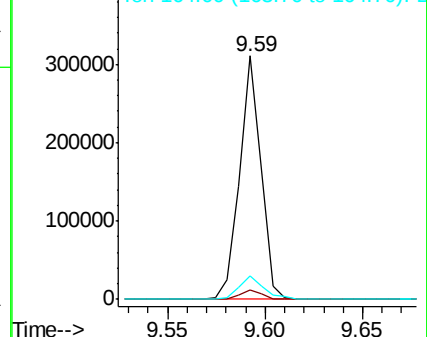
163 100

194 3.8 3.3 4.9

164 9.8 8.2 12.2



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



#56

4-Nitrophenol

Concen: 2.375 ng

RT: 10.09 min Scan# 1394

Delta R.T. 0.08 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

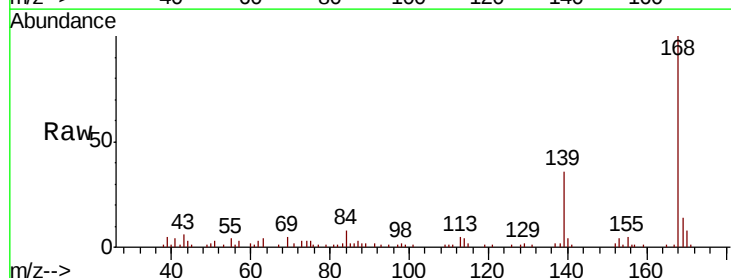
Tgt Ion:139 Resp: 11428

Ion Ratio Lower Upper

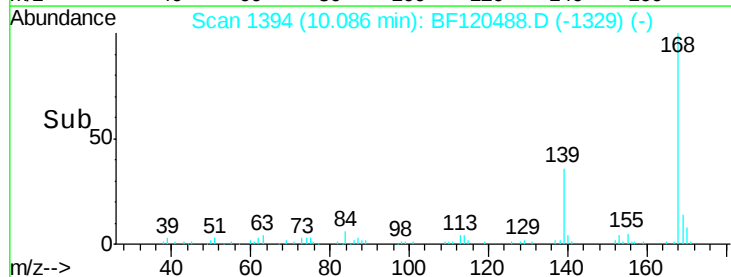
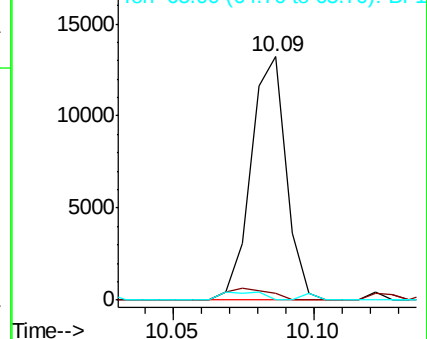
139 100

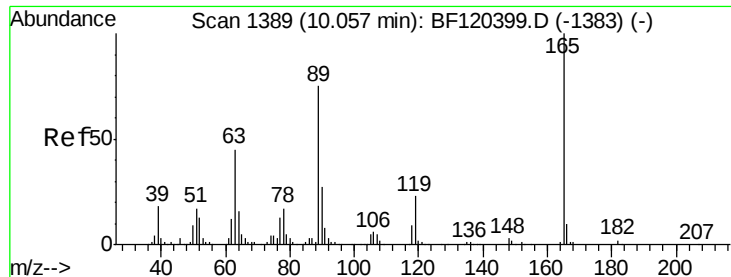
109 2.5 43.6 83.6#

65 0.0 62.9 102.9#



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

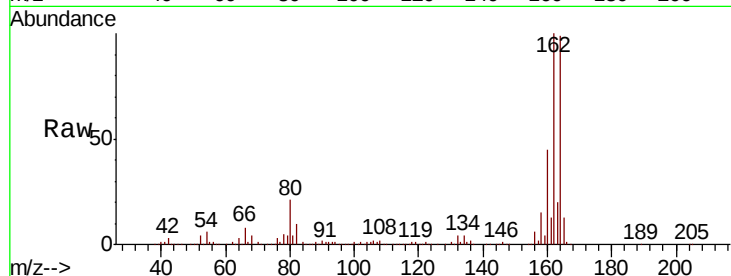




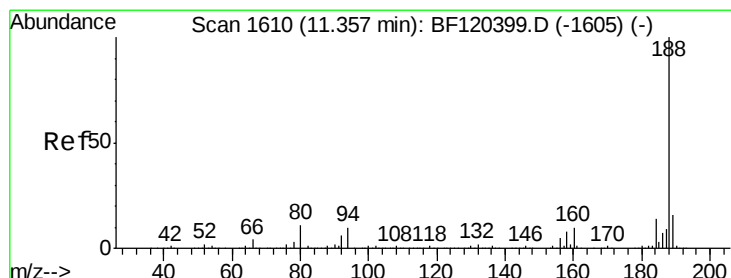
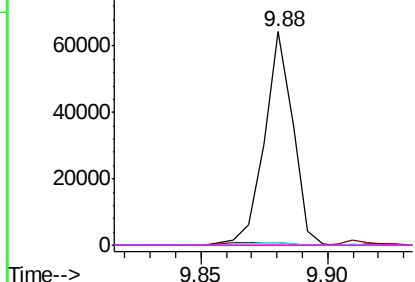
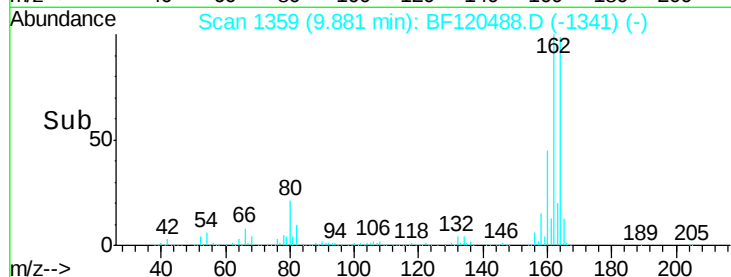
#57
 2,4-Dinitrotoluene
 Concen: 7.408 ng
 RT: 9.88 min Scan# 1359
 Delta R.T. -0.19 min
 Lab File: BF120488.D
 Acq: 2 Jun 2020 12:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:165 Resp: 50751
 Ion Ratio Lower Upper
 165 100
 63 1.3 33.1 49.7#
 89 1.4 55.0 82.4#
 182 0.0 2.1 3.1#

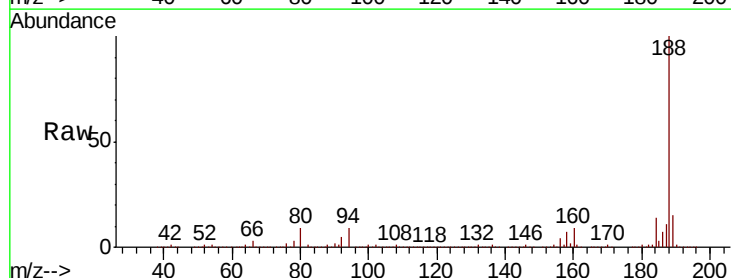


Abundance Ion 165.00 (164.70 to 165.70): E
 100000
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

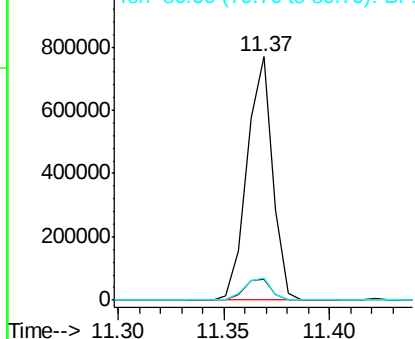
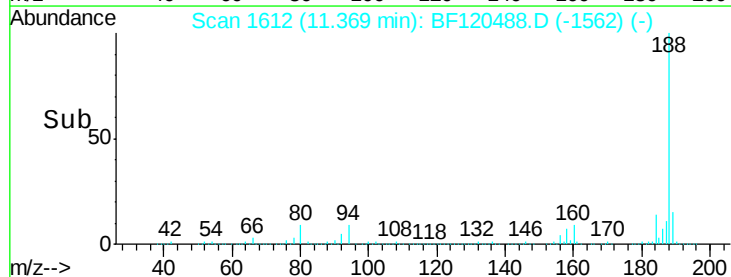


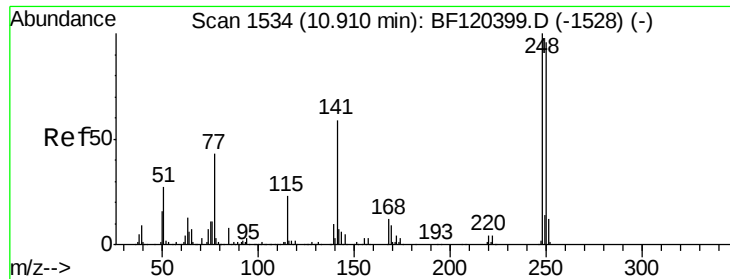
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.37 min Scan# 1612
 Delta R.T. -0.01 min
 Lab File: BF120488.D
 Acq: 2 Jun 2020 12:13

Tgt Ion:188 Resp: 644559
 Ion Ratio Lower Upper
 188 100
 94 8.8 6.6 10.0
 80 9.2 7.1 10.7



Abundance Ion 188.00 (187.70 to 188.70): E
 1000000
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

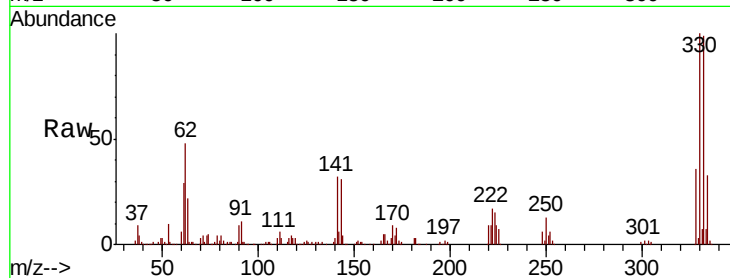




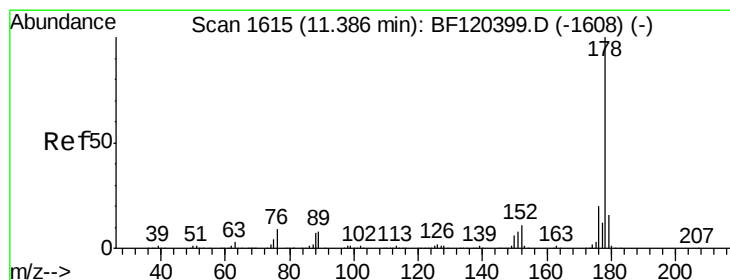
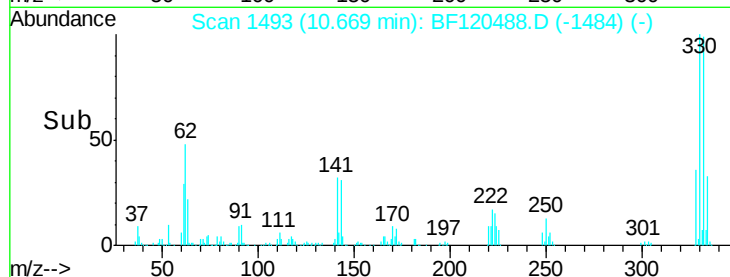
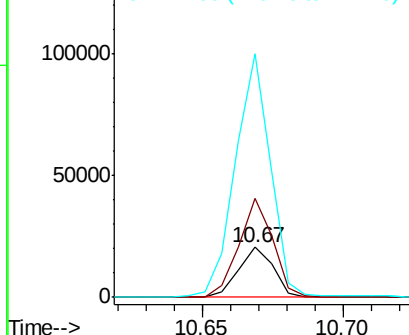
#67
 4-Bromophenyl-phenylether
 Concen: 2.729 ng
 RT: 10.67 min Scan# 1493
 Delta R.T. -0.25 min
 Lab File: BF120488.D
 Acq: 2 Jun 2020 12:13

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:248 Resp: 17755
 Ion Ratio Lower Upper
 248 100
 250 198.5 77.8 116.6#
 141 489.6 54.8 82.2#

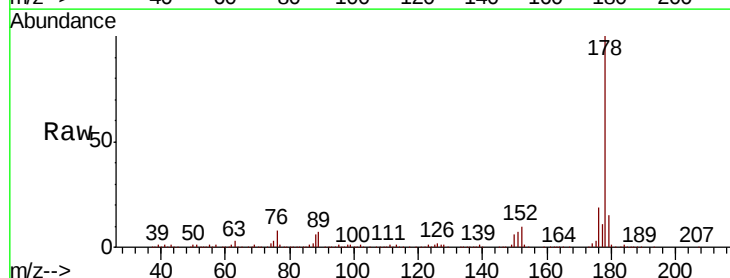


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

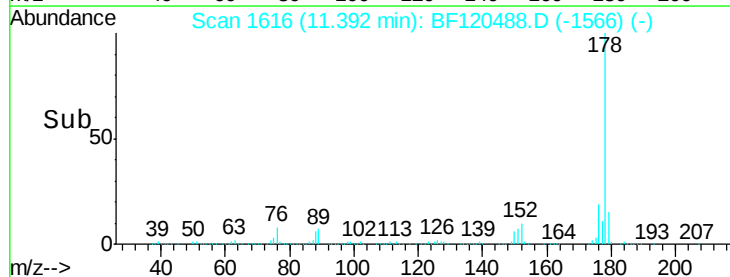
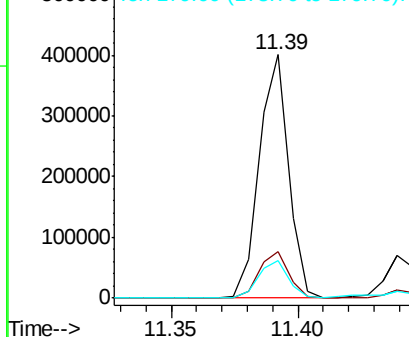


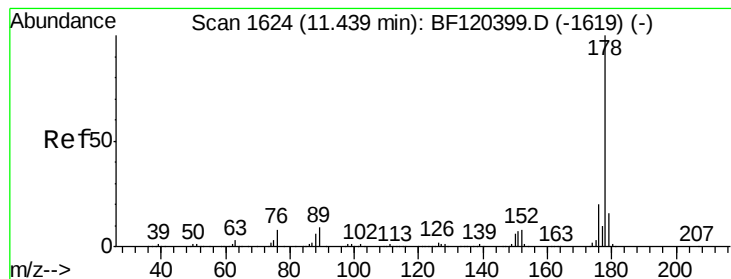
#71
 Phenanthrene
 Concen: 11.435 ng
 RT: 11.39 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF120488.D
 Acq: 2 Jun 2020 12:13

Tgt Ion:178 Resp: 324781
 Ion Ratio Lower Upper
 178 100
 176 19.2 16.2 24.2
 179 15.2 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





#72

Anthracene

Concen: 2.035 ng

RT: 11.44 min Scan# 1624

Delta R.T. -0.01 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

Instrument :

BNA_F

ClientSampleId :

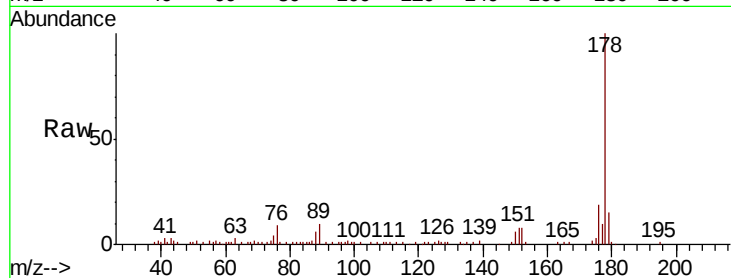
Tot Ion:178 Resp: 57984

Ion Ratio Lower Upper

178 100

176 18.7 15.9 23.9

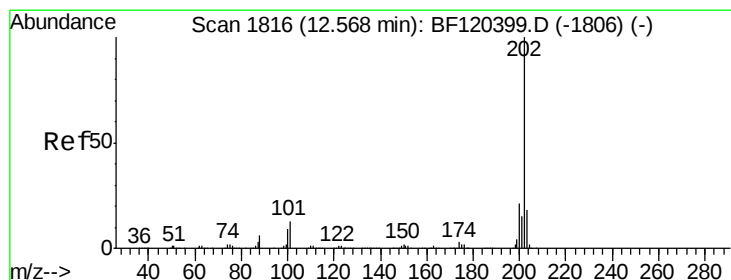
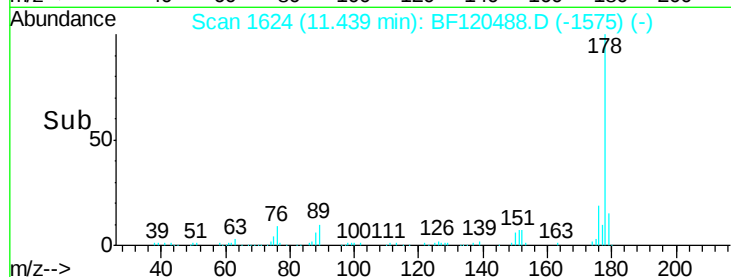
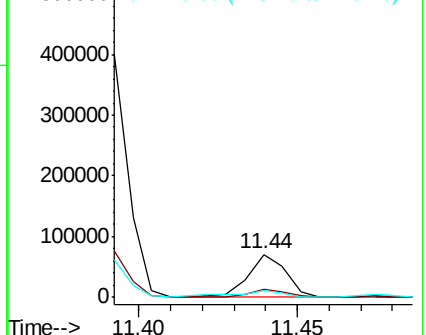
179 15.1 12.7 19.1



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#75

Fluoranthene

Concen: 12.368 ng

RT: 12.58 min Scan# 1818

Delta R.T. -0.01 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

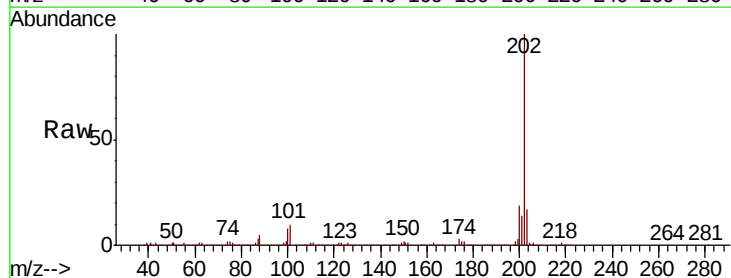
Tgt Ion:202 Resp: 377956

Ion Ratio Lower Upper

202 100

101 10.2 0.0 31.4

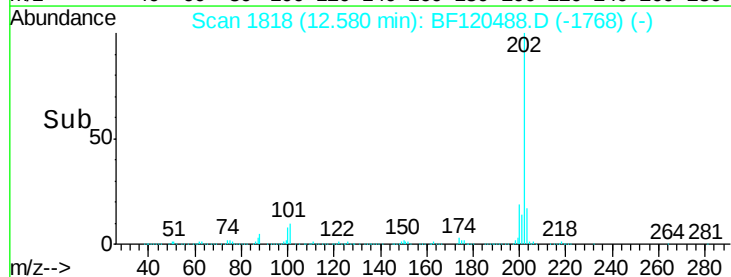
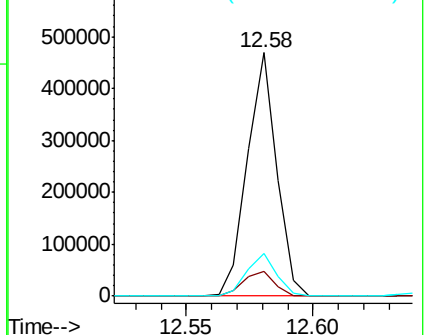
203 17.3 0.0 38.8

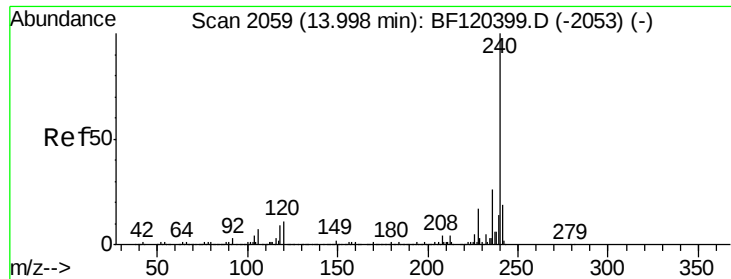


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

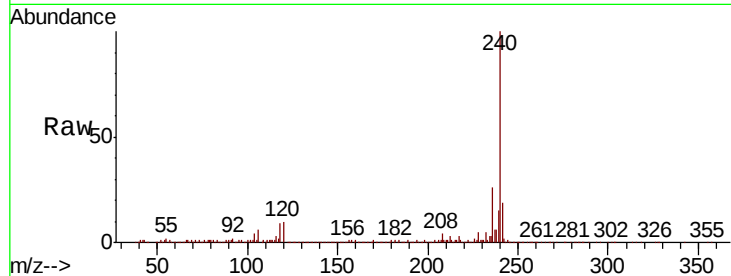




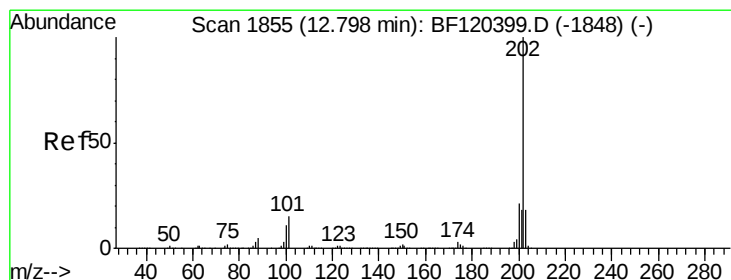
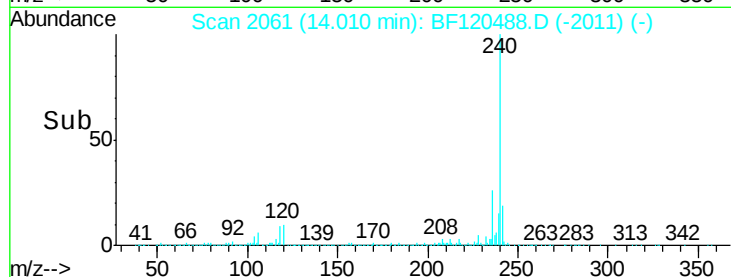
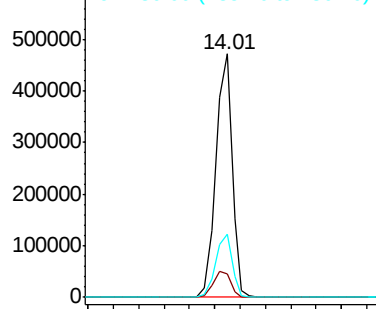
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.01 min Scan# 2061
Delta R.T. -0.01 min
Lab File: BF120488.D
Acq: 2 Jun 2020 12:13

Instrument :
BNA_F
ClientSampleId :

Tot Ion:240 Resp: 415130
Ion Ratio Lower Upper
240 100
120 9.8 9.9 14.9#
236 25.8 21.0 31.6

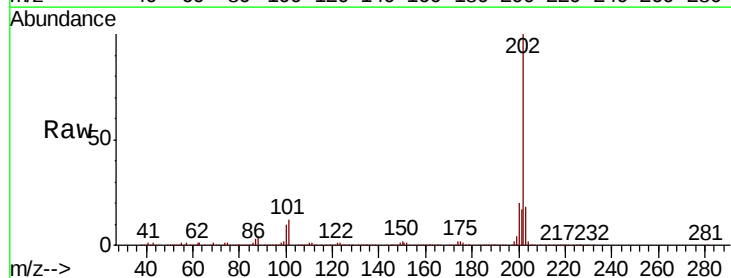


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

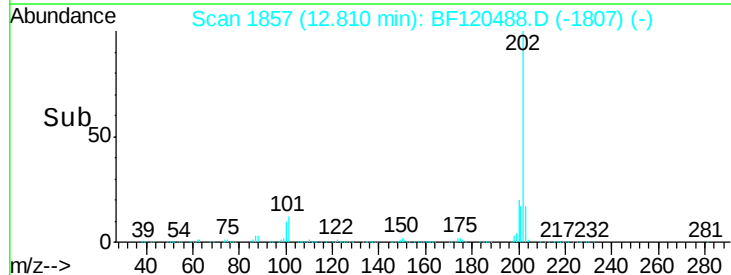
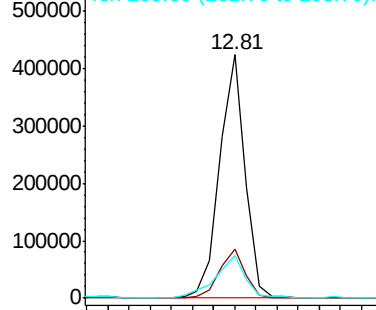


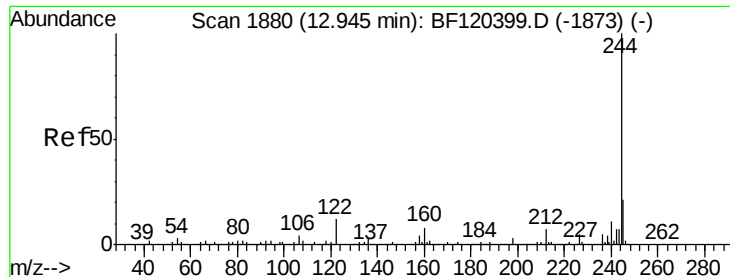
#78
Pyrene
Concen: 12.274 ng
RT: 12.81 min Scan# 1857
Delta R.T. -0.01 min
Lab File: BF120488.D
Acq: 2 Jun 2020 12:13

Tgt Ion:202 Resp: 354345
Ion Ratio Lower Upper
202 100
200 20.3 17.0 25.6
203 17.7 14.6 22.0



Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 60.760 ng

RT: 12.95 min Scan# 1881

Delta R.T. -0.01 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

Instrument :

BNA_F

ClientSampleId :

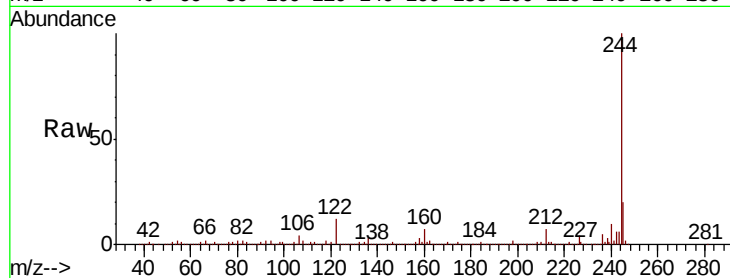
Tot Ion:244 Resp: 1133509

Ion Ratio Lower Upper

244 100

212 6.8 5.8 8.8

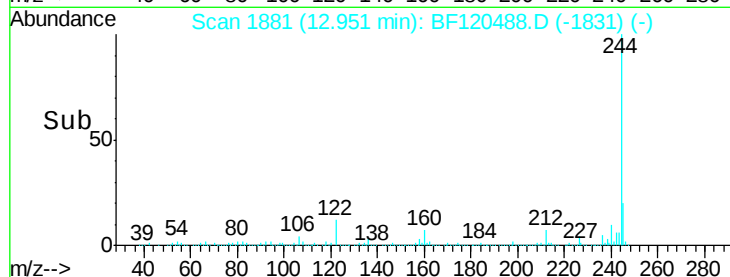
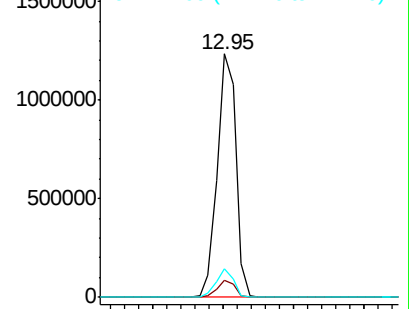
122 11.6 8.7 13.1



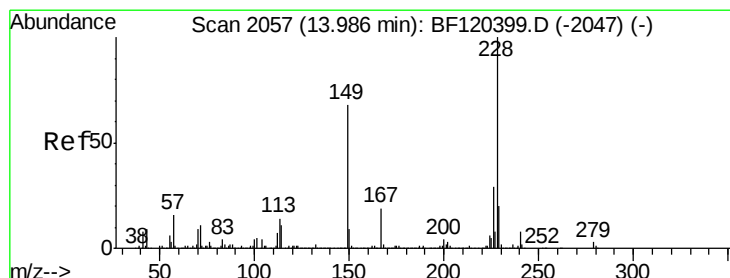
Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time-->



#81

Benzo(a)anthracene

Concen: 7.442 ng

RT: 14.00 min Scan# 2059

Delta R.T. -0.01 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

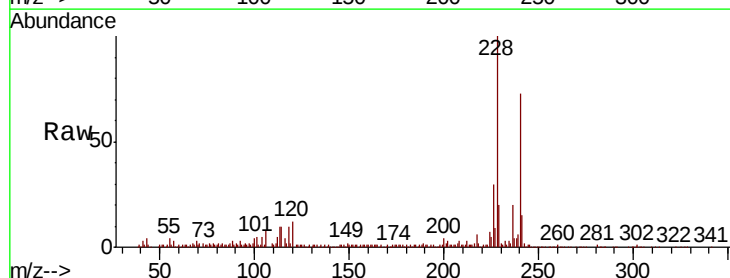
Tgt Ion:228 Resp: 165584

Ion Ratio Lower Upper

228 100

226 30.2 22.9 34.3

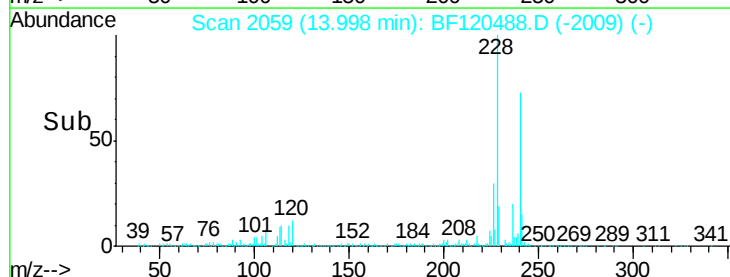
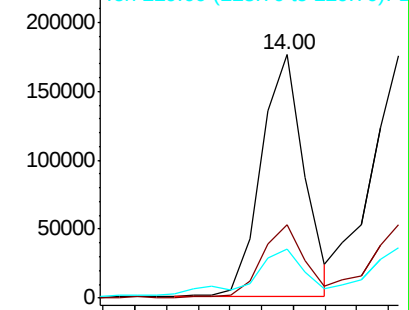
229 20.2 16.3 24.5



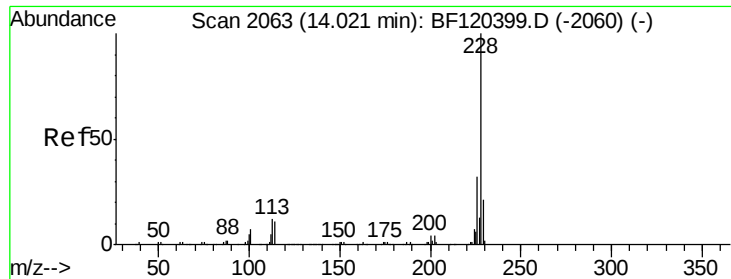
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



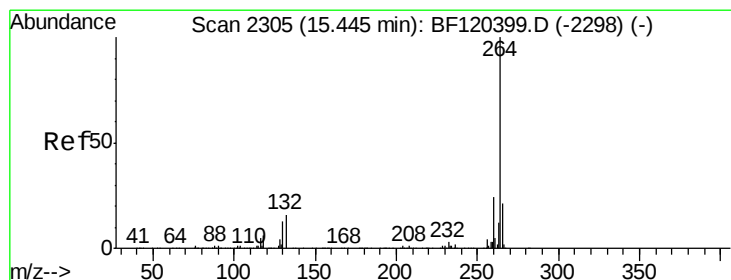
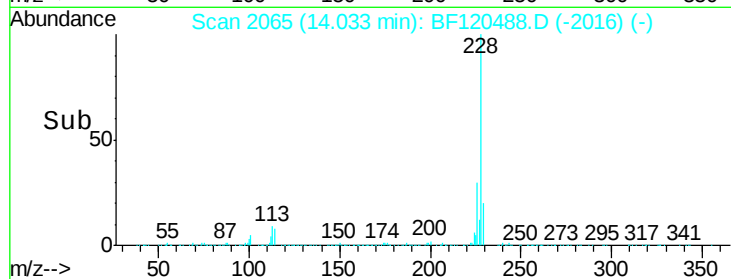
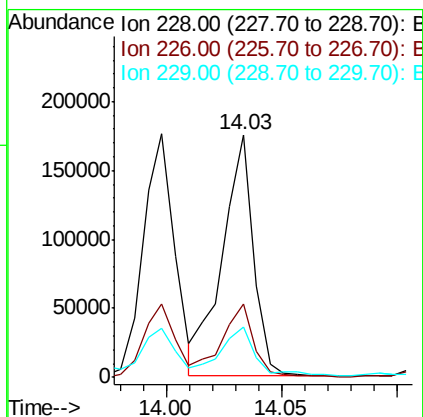
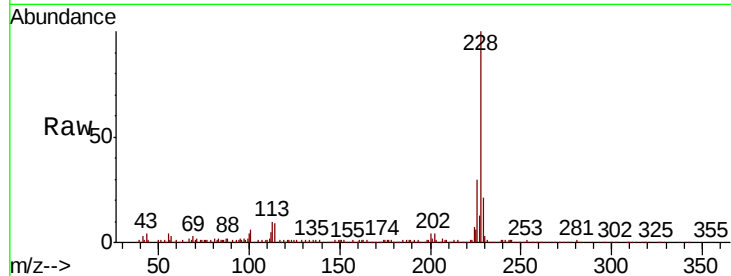
Time-->



#83
Chrysene
Concen: 7.059 ng
RT: 14.03 min Scan# 2065
Delta R.T. -0.01 min
Lab File: BF120488.D
Acq: 2 Jun 2020 12:13

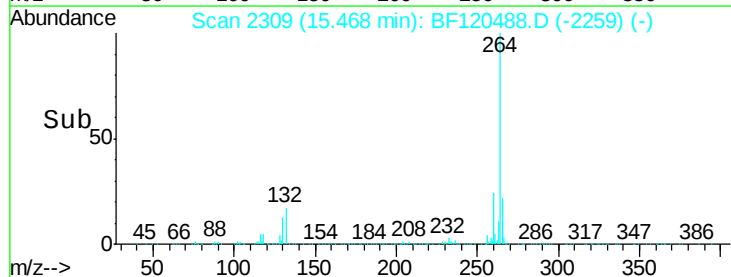
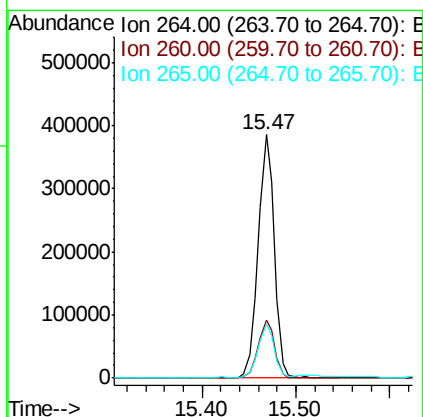
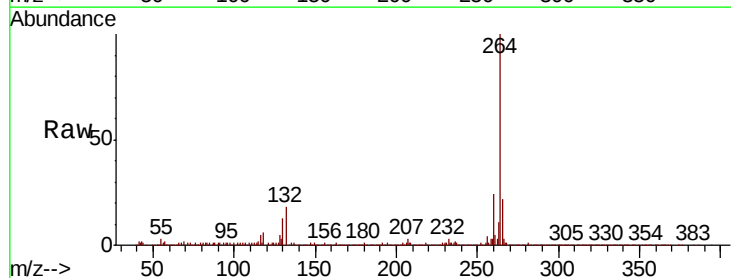
Instrument :
BNA_F
ClientSampleId :

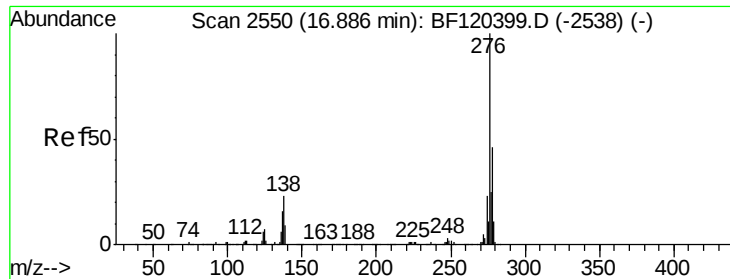
Tot Ion:228 Resp: 164655
Ion Ratio Lower Upper
228 100
226 30.2 25.7 38.5
229 20.8 16.4 24.6



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.47 min Scan# 2309
Delta R.T. -0.01 min
Lab File: BF120488.D
Acq: 2 Jun 2020 12:13

Tgt Ion:264 Resp: 458049
Ion Ratio Lower Upper
264 100
260 23.7 19.5 29.3
265 22.4 17.6 26.4

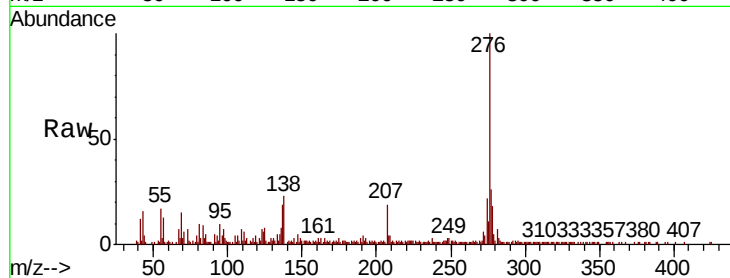




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.170 ng
 RT: 16.92 min Scan# 2555
 Delta R.T. -0.02 min
 Lab File: BF120488.D
 Acq: 2 Jun 2020 12:13

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
276	100		
138	20.0	19.3	28.9
277	23.9	20.7	31.1

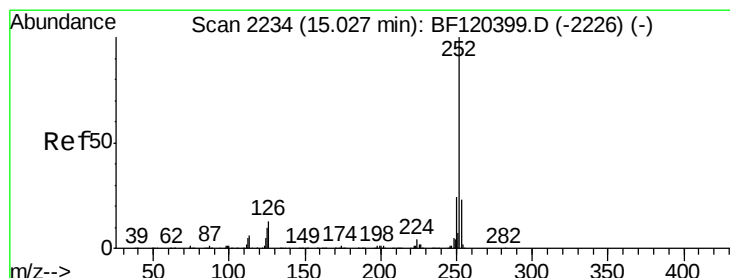
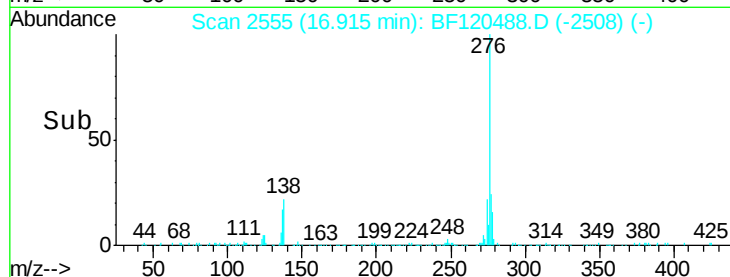
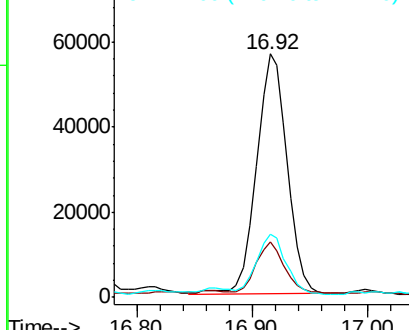


Abundance

Ion 276.00 (275.70 to 276.70): E

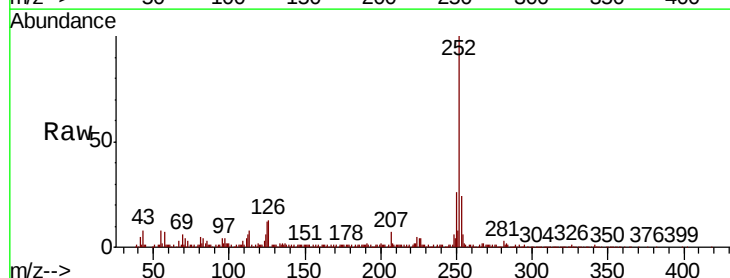
Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#88
 Benzo(b)fluoranthene
 Concen: 11.375 ng
 RT: 15.04 min Scan# 2237
 Delta R.T. -0.01 min
 Lab File: BF120488.D
 Acq: 2 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.9	18.2	27.2
125	11.5	8.2	12.4

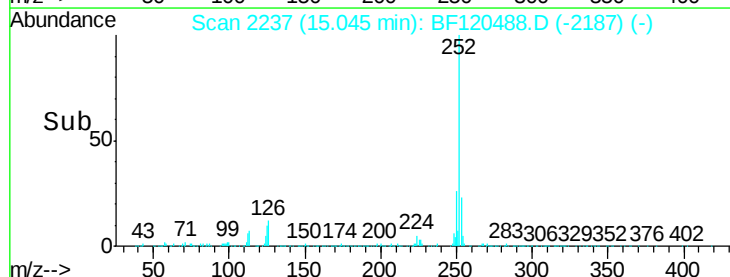
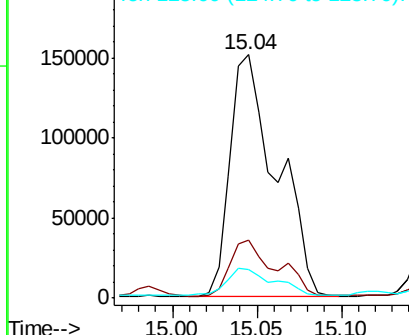


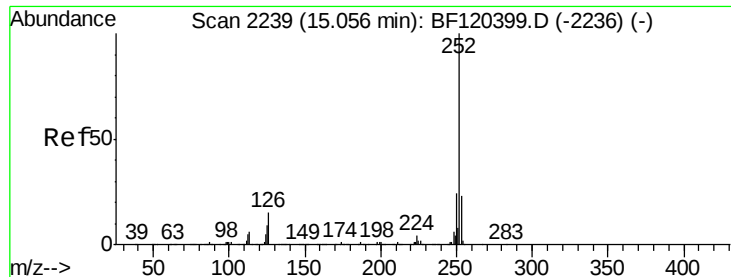
Abundance

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

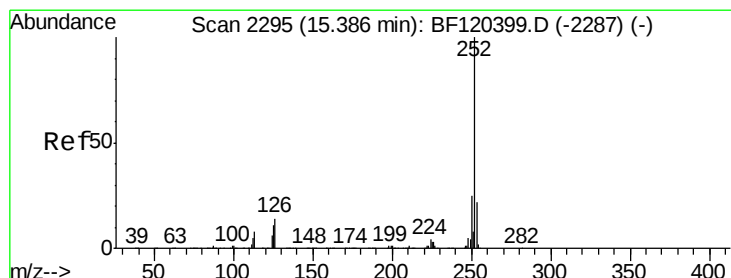
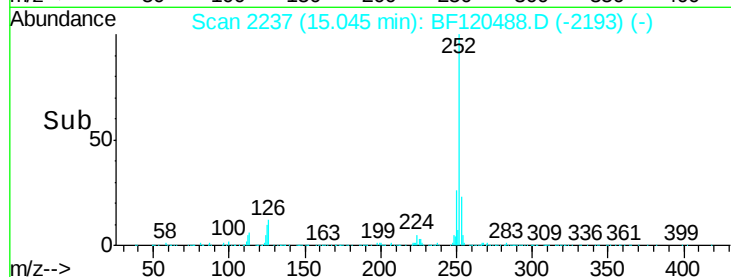
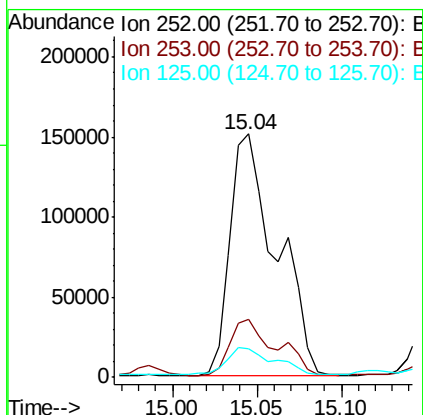
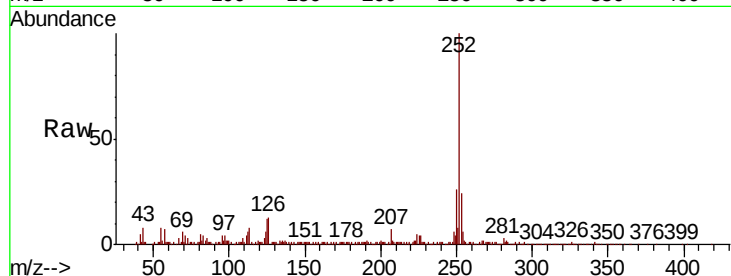




#89
Benzo(k)fluoranthene
Concen: 12.185 ng
RT: 15.04 min Scan# 2237
Delta R.T. -0.04 min
Lab File: BF120488.D
Acq: 2 Jun 2020 12:13

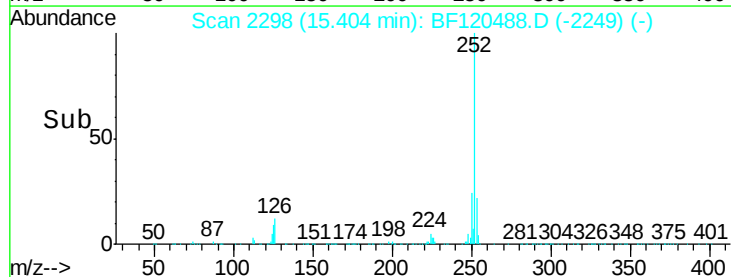
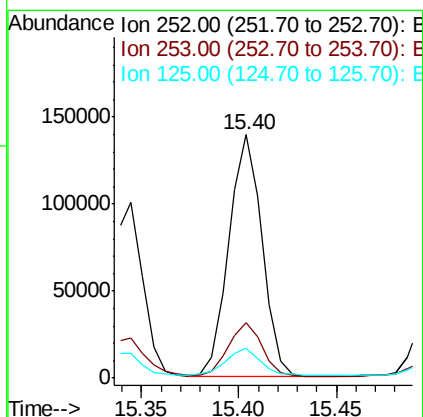
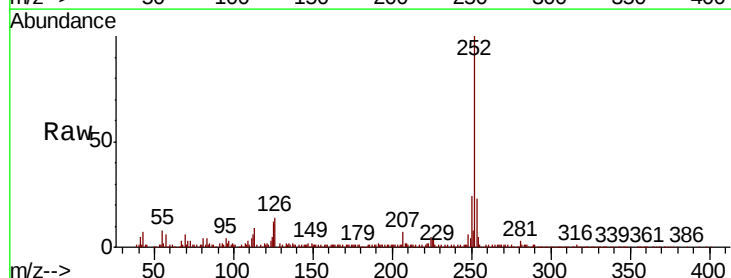
Instrument :
BNA_F
ClientSampleId :

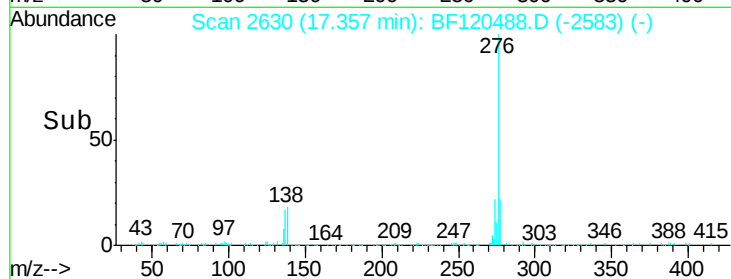
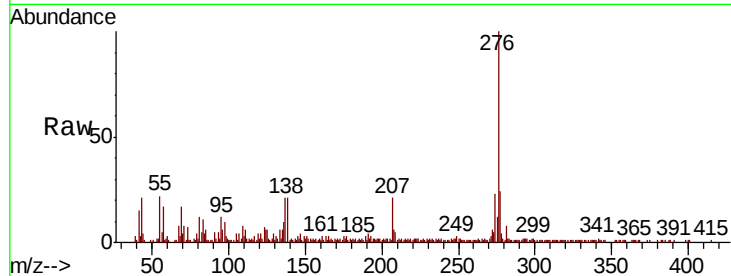
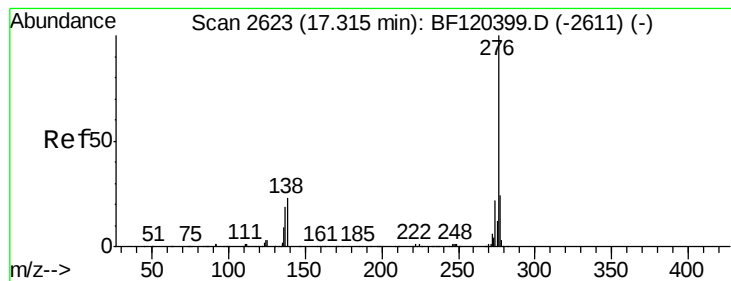
Tot Ion	Ratio	Lower	Upper
252	100		
253	23.9	17.8	26.6
125	11.5	7.1	10.7



#90
Benzo(a)pyrene
Concen: 7.341 ng
RT: 15.40 min Scan# 2298
Delta R.T. -0.01 min
Lab File: BF120488.D
Acq: 2 Jun 2020 12:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.9	17.9	26.9
125	12.4	9.0	13.4





#92

Benzo(a,h,i)perylene

Concen: 4.803 ng

RT: 17.36 min Scan# 2630

Delta R.T. -0.02 min

Lab File: BF120488.D

Acq: 2 Jun 2020 12:13

Instrument :

BNA_F

ClientSampleId :

Tot Ion:276 Resp: 96749

Ion Ratio Lower Upper

276 100

277 23.6 18.8 28.2

138 20.8 16.8 25.2

