

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF051820\
 Data File : BF120351.D
 Acq On : 18 May 2020 19:33
 Operator : MA/SJ
 Sample : L2506-08 2X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 19 00:23:31 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF051420.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 18 15:23:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.60	152	271676	20.00	ng	0.00
21) Naphthalene-d8	7.89	136	1042270	20.00	ng	0.00
39) Acenaphthene-d10	9.64	164	541290	20.00	ng	0.00
64) Phenanthrene-d10	11.12	188	1059126	20.00	ng	0.00
76) Chrysene-d12	13.76	240	522167	20.00	ng	0.00
87) Perylene-d12	15.14	264	587815	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.21	112	886206	63.47	ng	0.00
7) Phenol-d6	6.26	99	1146685	64.94	ng	0.00
23) Nitrobenzene-d5	7.17	82	664115	43.63	ng	0.00
42) 2,4,6-Tribromophenol	10.43	330	254182	57.59	ng	0.00
45) 2-Fluorobiphenyl	8.96	172	1246339	47.30	ng	0.00
79) Terphenyl-d14	12.71	244	1309854	55.42	ng	0.00

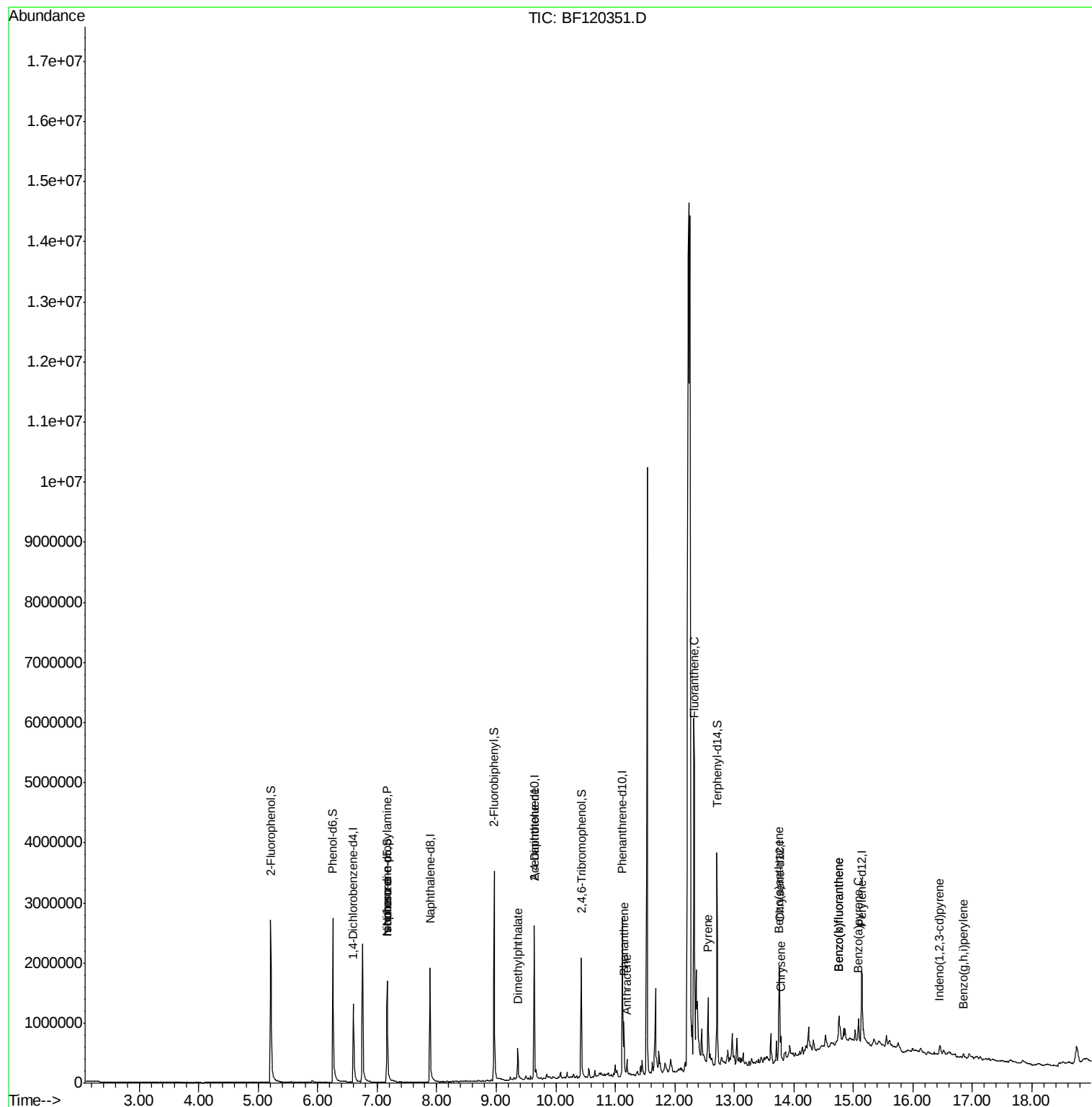
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.17	70	81023	7.004	ng	# 83
25) Isophorone	7.17	82	664112	20.967	ng	# 65
50) Dimethylphthalate	9.36	163	201719	5.895	ng	100
57) 2,4-Dinitrotoluene	9.64	165	72328	8.074	ng	# 16
71) Phenanthrene	11.14	178	360249	8.095	ng	100
72) Anthracene	11.20	178	121772	2.556	ng	99
75) Fluoranthene	12.33	202	462590	9.698	ng	97
78) Pyrene	12.56	202	487610	13.099	ng	98
81) Benzo(a)anthracene	13.74	228	184726	6.707	ng	100
83) Chrysene	13.78	228	164800	5.573	ng	97
86) Indeno(1,2,3-cd)pyrene	16.46	276	79365	2.957	ng	97
88) Benzo(b)fluoranthene	14.76	252	282412	8.797	ng	# 97
89) Benzo(k)fluoranthene	14.76	252	282412	10.154	ng	# 96
90) Benzo(a)pyrene	15.09	252	172950	6.007	ng	98
92) Benzo(a,h,i)perylene	16.84	276	70931	2.758	ng	97

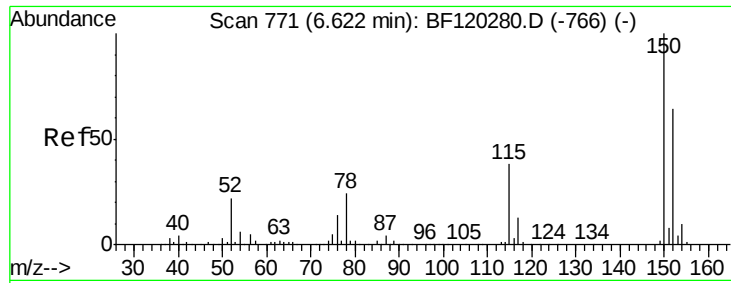
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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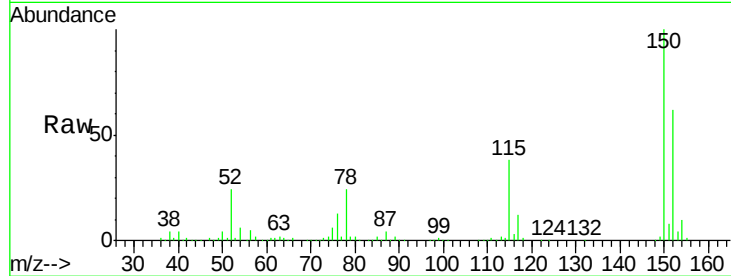


#1

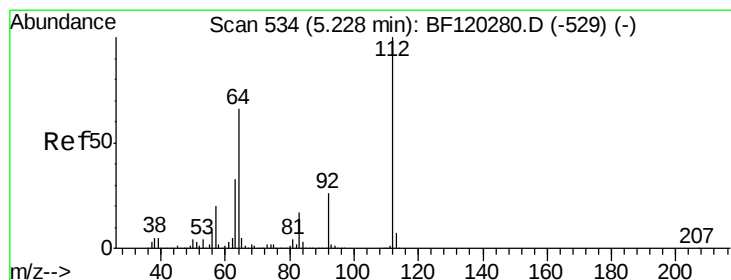
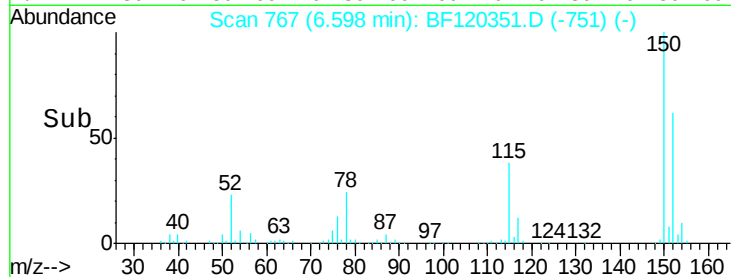
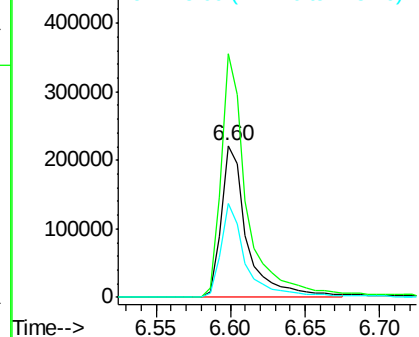
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.60 min Scan# 767
Delta R.T. -0.01 min
Lab File: BF120351.D
Acq: 18 May 2020 19:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	160.1	126.2	189.2
115	61.5	47.9	71.9



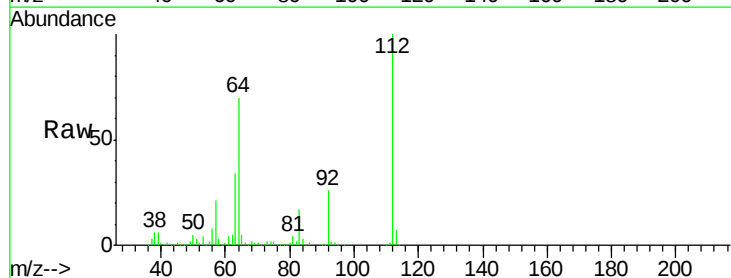
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



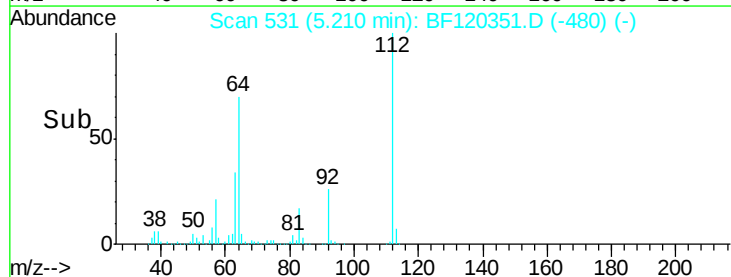
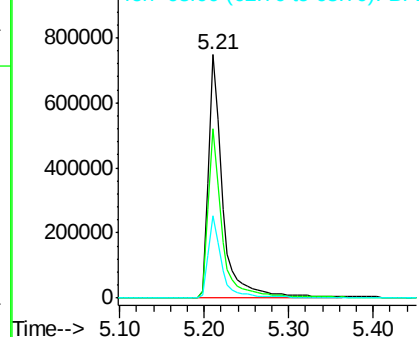
#5

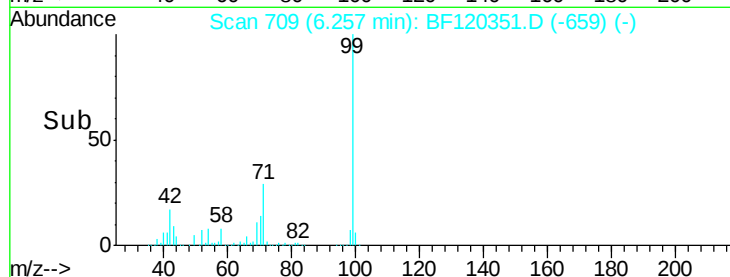
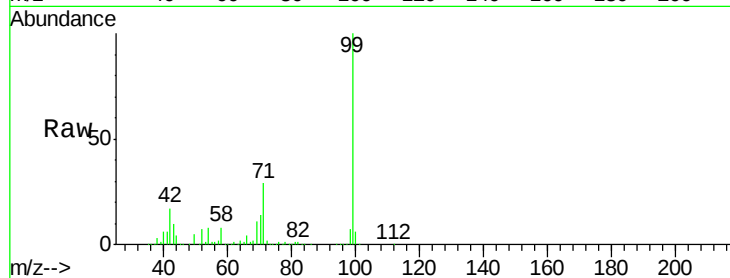
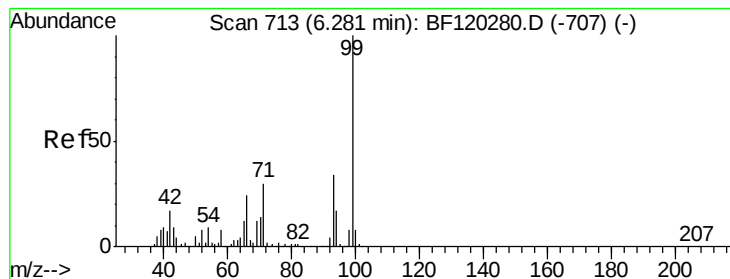
2-Fluorophenol
Concen: 63.469 ng
RT: 5.21 min Scan# 531
Delta R.T. -0.00 min
Lab File: BF120351.D
Acq: 18 May 2020 19:33

Tgt Ion	Ratio	Lower	Upper
112	100		
64	69.6	52.7	79.1
63	33.8	26.2	39.4



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: 64.941 ng

RT: 6.26 min Scan# 709

Delta R.T. -0.01 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

Instrument :

BNA_F

ClientSampled :

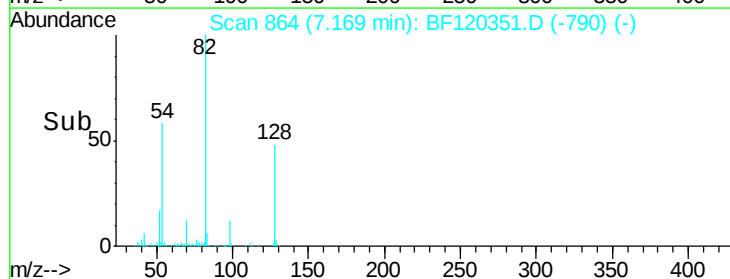
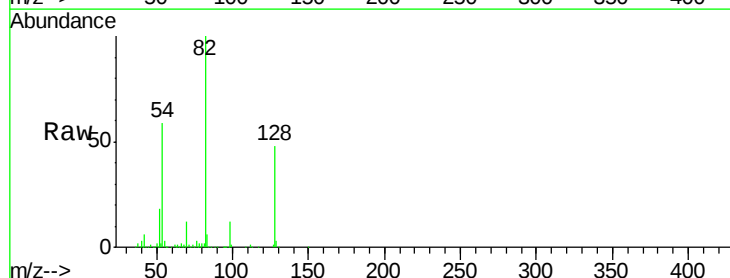
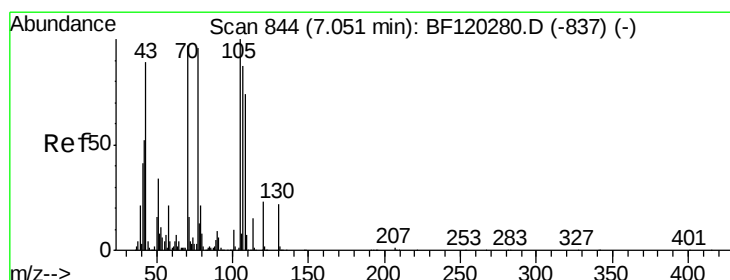
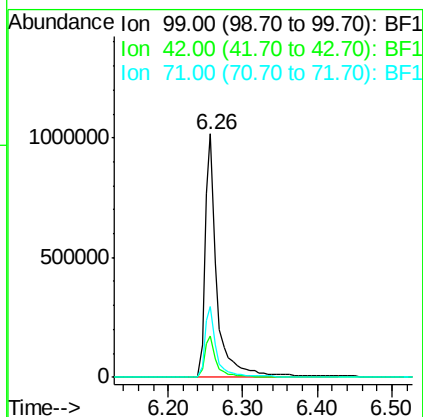
Tot Ion: 99 Resp: 1146685

Ion Ratio Lower Upper

99 100

42 17.2 13.6 20.4

71 29.2 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 7.004 ng

RT: 7.17 min Scan# 864

Delta R.T. 0.14 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

Tgt Ion: 70 Resp: 81023

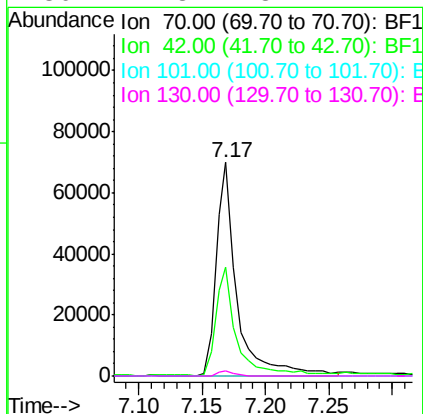
Ion Ratio Lower Upper

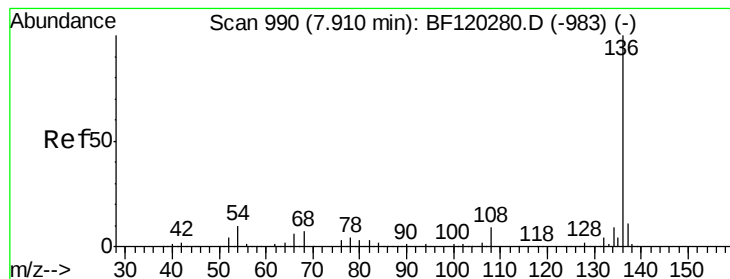
70 100

42 51.2 43.4 65.0

101 0.0 7.8 11.8#

130 2.3 18.2 27.4#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.89 min Scan# 986

Delta R.T. -0.00 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

Instrument :

BNA_F

ClientSampled :

Tot Ion:136 Resp: 1042270

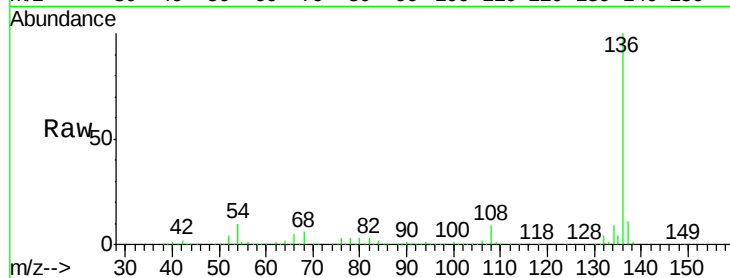
Ion Ratio Lower Upper

136 100

137 10.8 9.1 13.7

54 10.2 7.9 11.9

68 5.8 5.4 8.2

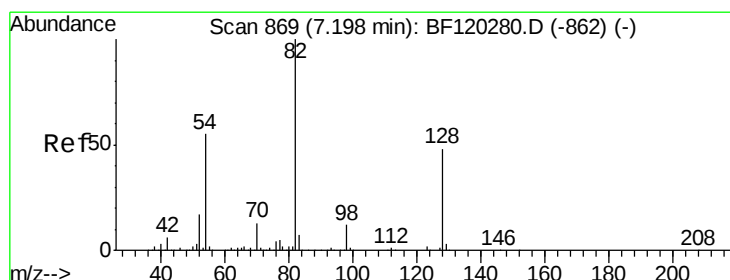
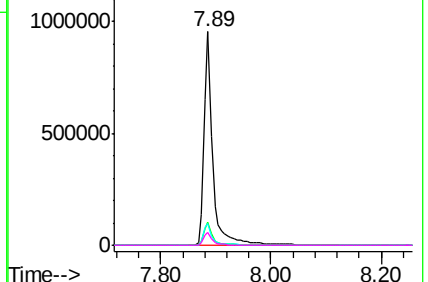
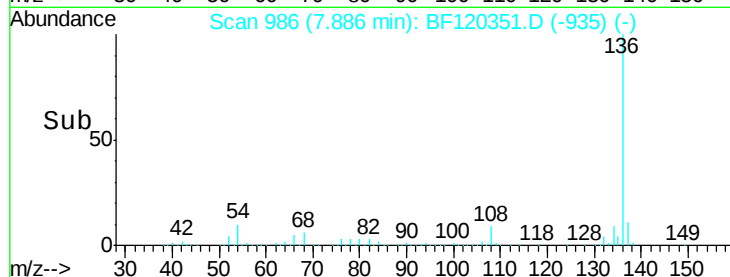


Abundance Ion 136.00 (135.70 to 136.70): E

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: 43.626 ng

RT: 7.17 min Scan# 864

Delta R.T. -0.01 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

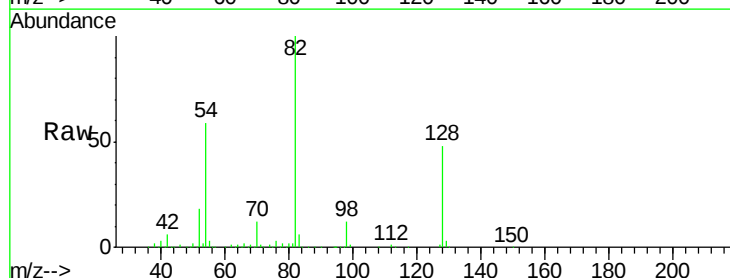
Tgt Ion: 82 Resp: 664115

Ion Ratio Lower Upper

82 100

128 47.9 38.3 57.5

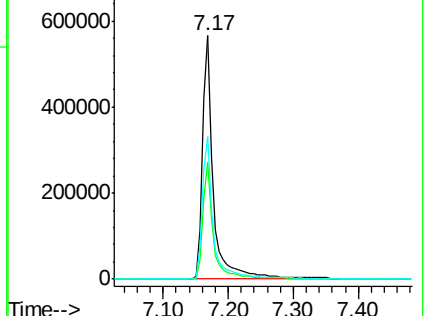
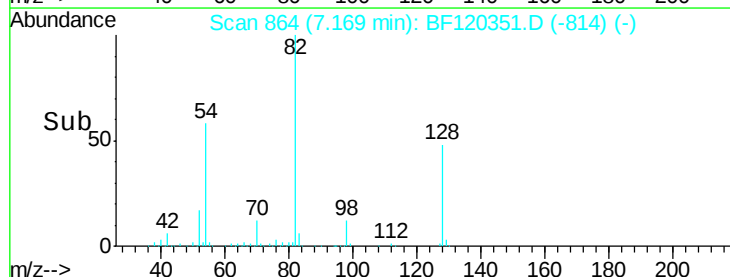
54 58.5 43.9 65.9

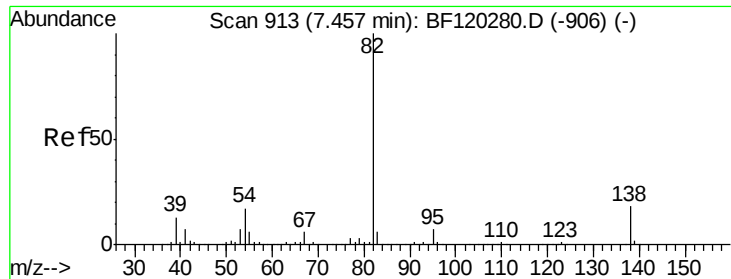


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 20.967 ng

RT: 7.17 min Scan# 864

Delta R.T. -0.26 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

Instrument :

BNA_F

ClientSampleId :

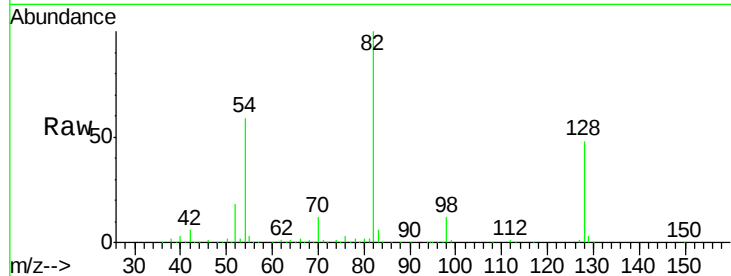
Tot Ion: 82 Resp: 664112

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.0#

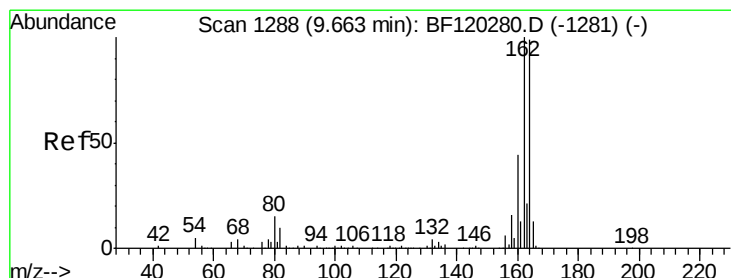
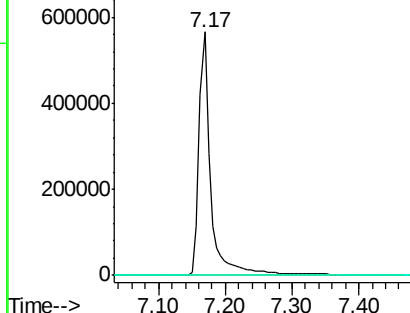
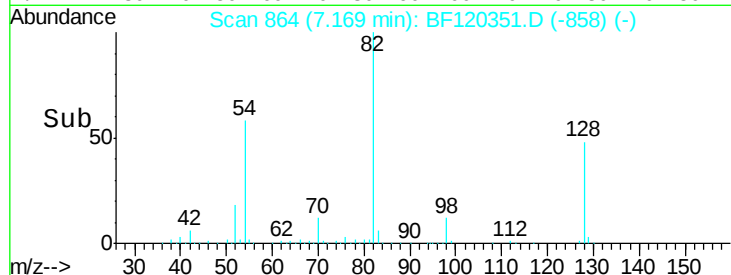
138 0.0 14.7 22.1#



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: 9.64 min Scan# 1284

Delta R.T. -0.01 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

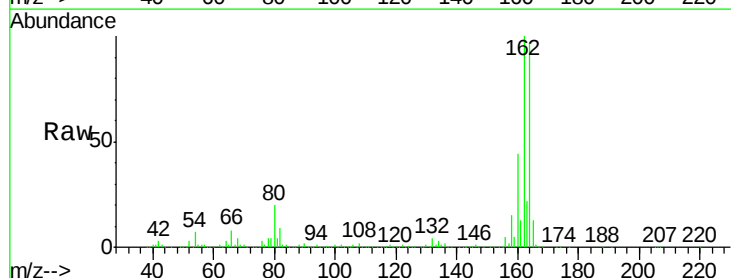
Tgt Ion:164 Resp: 541290

Ion Ratio Lower Upper

164 100

162 103.2 81.2 121.8

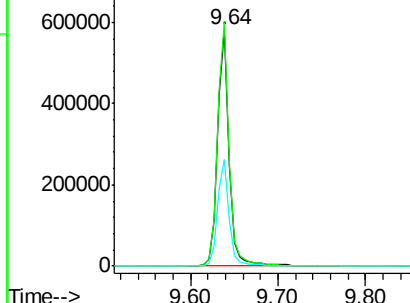
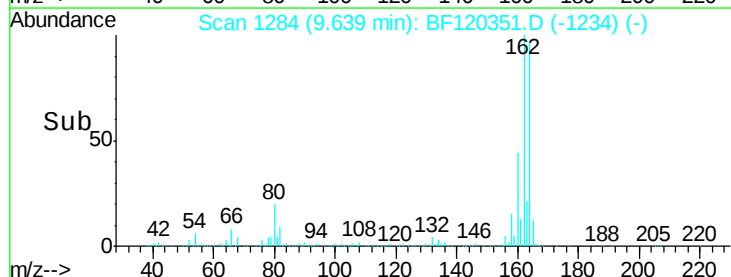
160 45.2 35.8 53.6

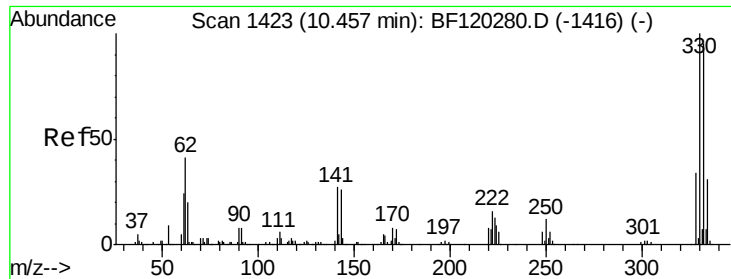


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

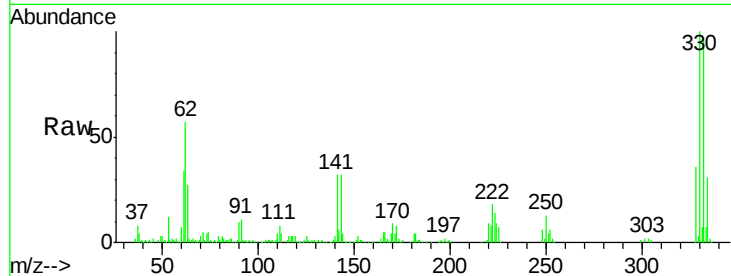




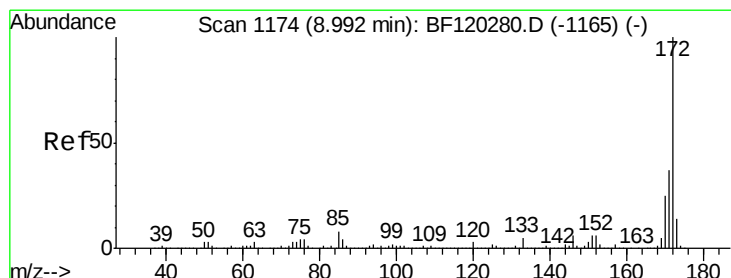
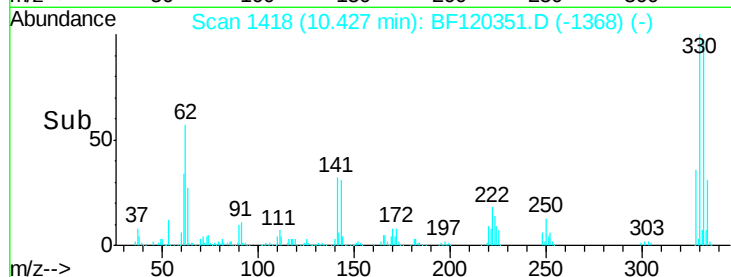
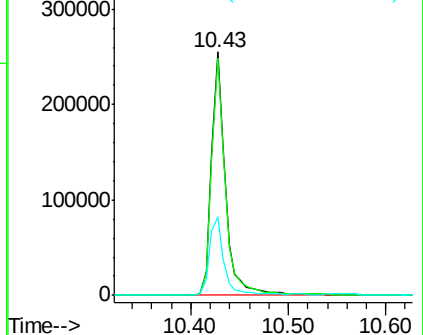
#42
 2,4,6-Tribromophenol
 Concen: 57.593 ng
 RT: 10.43 min Scan# 1418
 Delta R.T. -0.01 min
 Lab File: BF120351.D
 Acq: 18 May 2020 19:33

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 254182
 Ion Ratio Lower Upper
 330 100
 332 97.5 76.5 114.7
 141 32.9 25.4 38.0

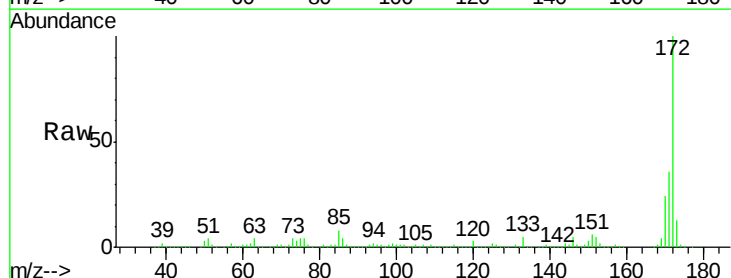


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

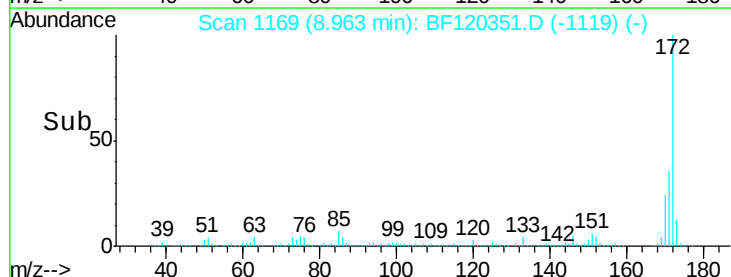
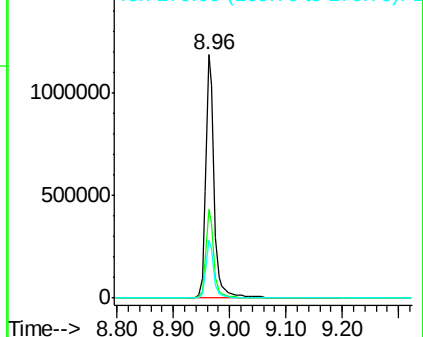


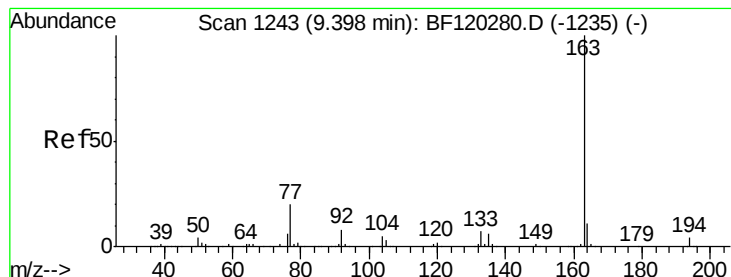
#45
 2-Fluorobiphenyl
 Concen: 47.305 ng
 RT: 8.96 min Scan# 1169
 Delta R.T. -0.01 min
 Lab File: BF120351.D
 Acq: 18 May 2020 19:33

Tgt Ion:172 Resp: 1246339
 Ion Ratio Lower Upper
 172 100
 171 36.3 29.7 44.5
 170 23.6 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: 5.895 ng

RT: 9.36 min Scan# 1237

Delta R.T. -0.02 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

Instrument :

BNA_F

ClientSampleId :

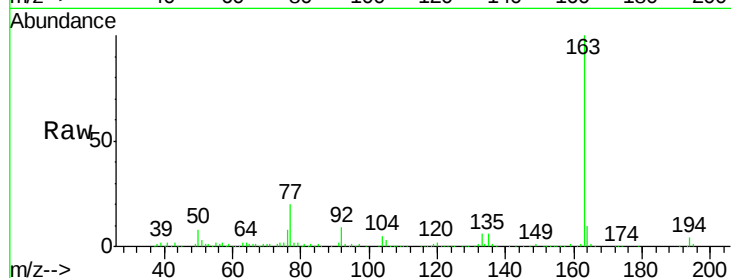
Tot Ion:163 Resp: 201719

Ion Ratio Lower Upper

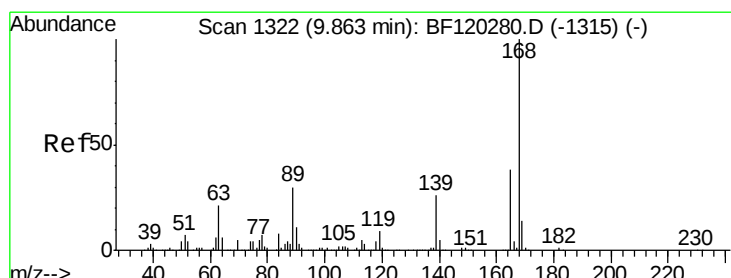
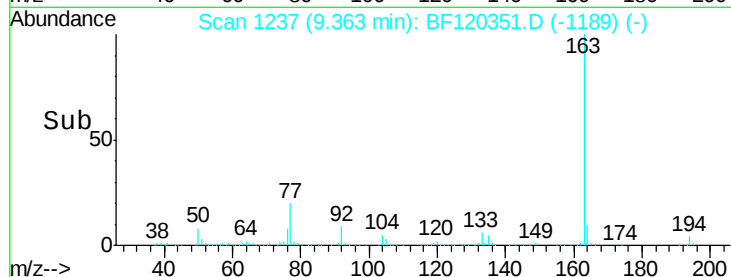
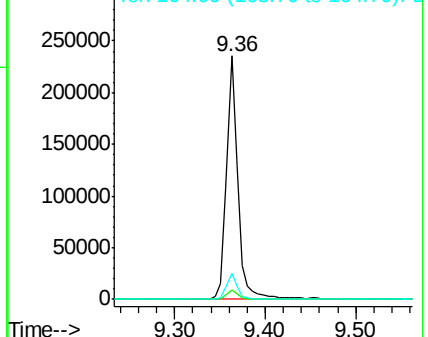
163 100

194 3.9 3.1 4.7

164 10.5 8.6 12.8



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: 8.074 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.21 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

Tgt Ion:165 Resp: 72328

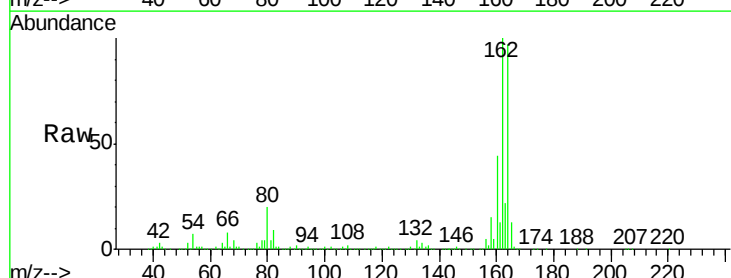
Ion Ratio Lower Upper

165 100

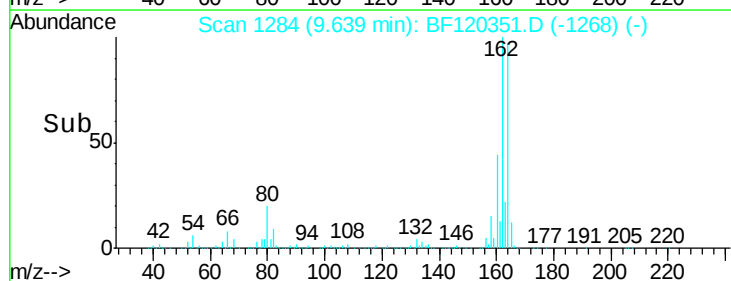
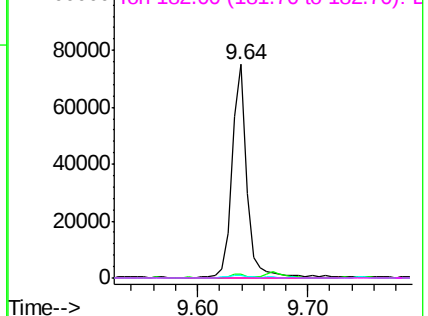
63 1.8 51.8 77.8#

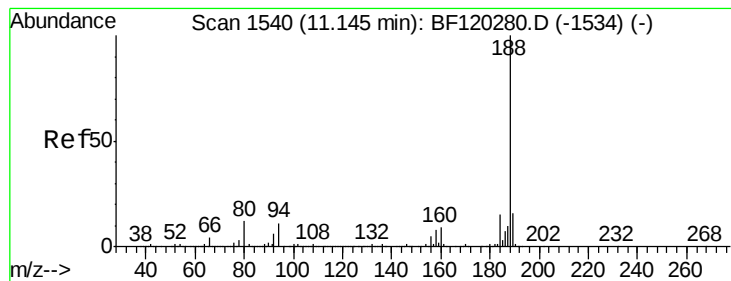
89 1.2 64.2 96.4#

182 0.0 2.0 3.0#



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: 11.12 min Scan# 1536

Delta R.T. -0.00 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

Instrument :

BNA_F

ClientSampled :

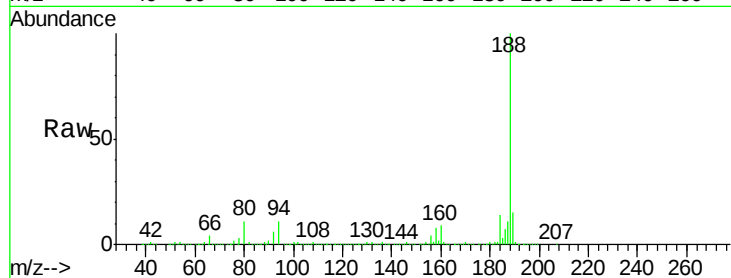
Tot Ion:188 Resp: 1059126

Ion Ratio Lower Upper

188 100

94 10.8 8.6 13.0

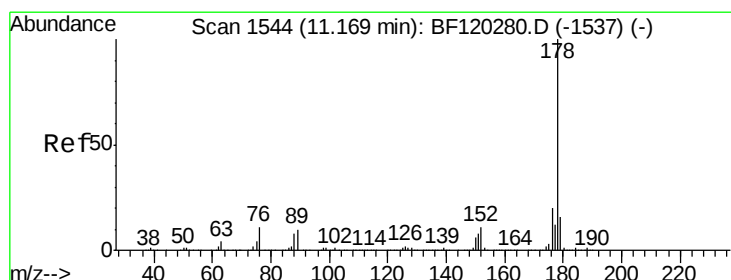
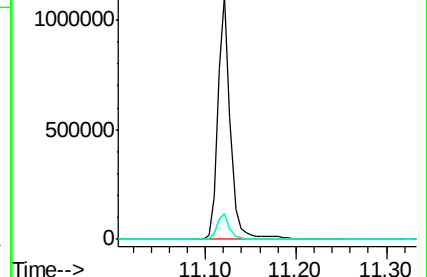
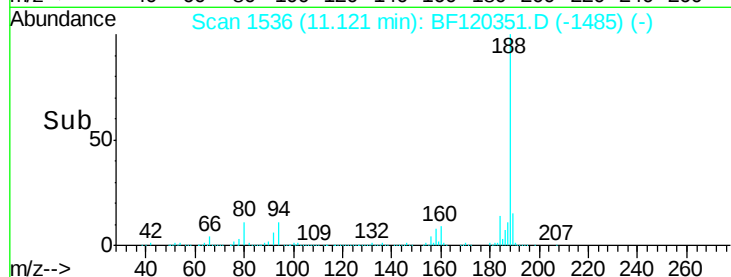
80 10.7 9.2 13.8



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: 8.095 ng

RT: 11.14 min Scan# 1540

Delta R.T. -0.01 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

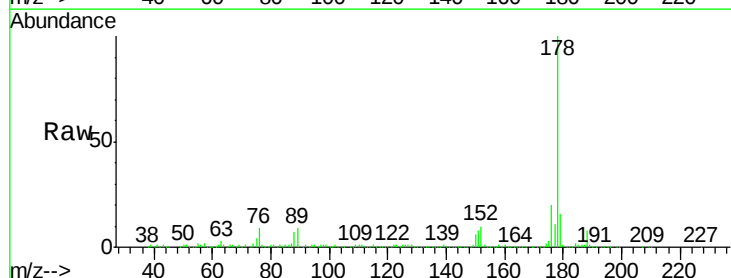
Tgt Ion:178 Resp: 360249

Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.8

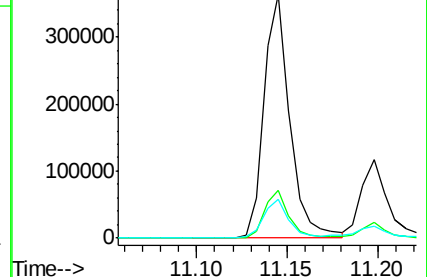
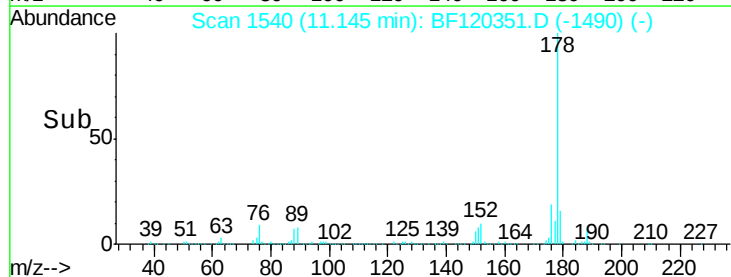
179 16.0 12.8 19.2

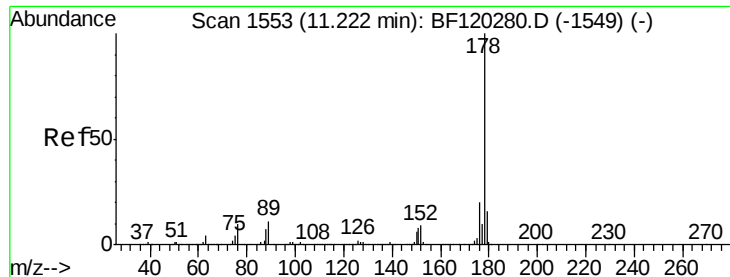


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 2.556 ng

RT: 11.20 min Scan# 1549

Delta R.T. -0.01 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

Instrument :

BNA_F

ClientSampleId :

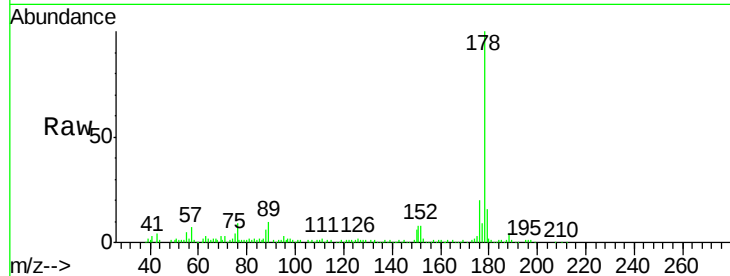
Tot Ion:178 Resp: 121772

Ion Ratio Lower Upper

178 100

176 19.5 15.7 23.5

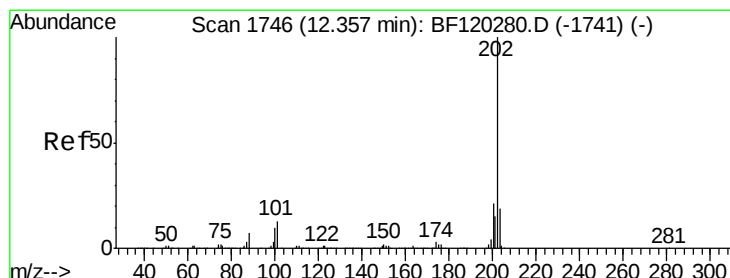
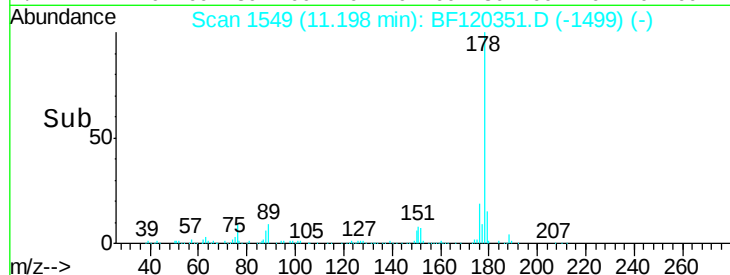
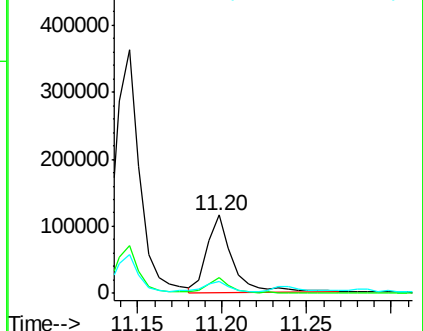
179 15.8 13.0 19.6



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: 9.698 ng

RT: 12.33 min Scan# 1742

Delta R.T. -0.00 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

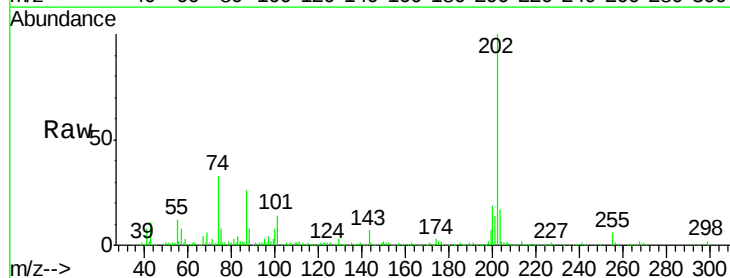
Tgt Ion:202 Resp: 462590

Ion Ratio Lower Upper

202 100

101 13.6 0.0 33.2

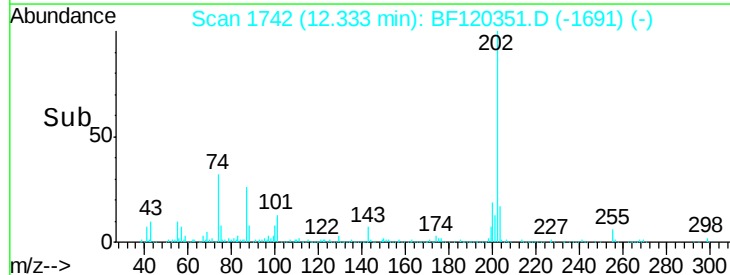
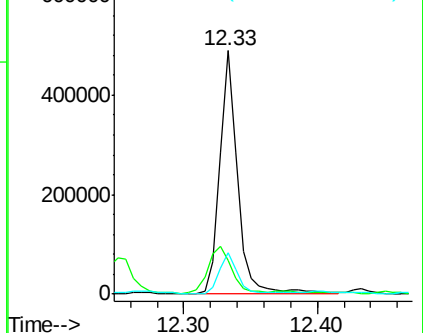
203 17.0 0.0 39.1

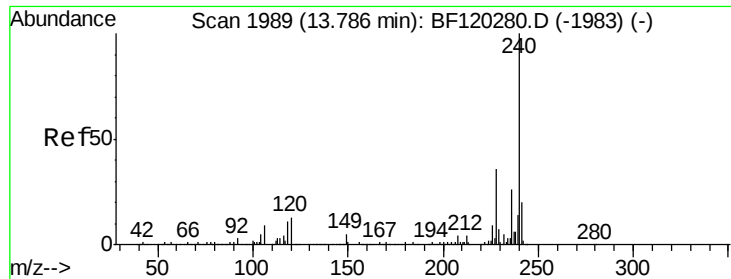


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

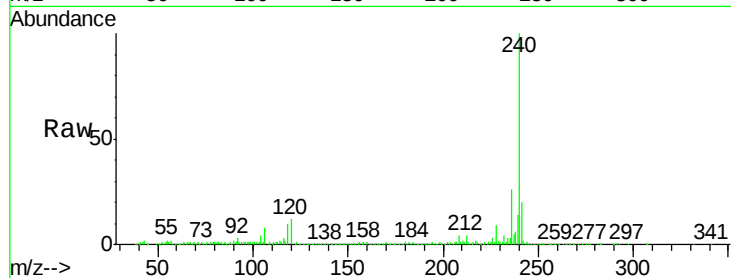




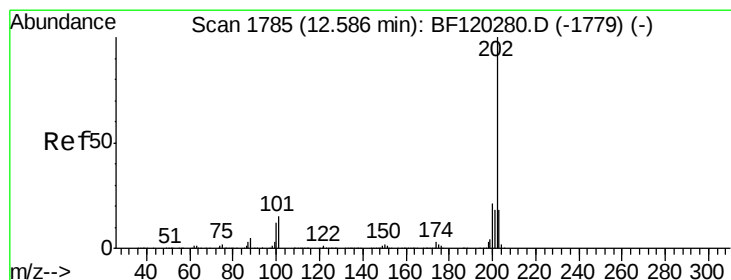
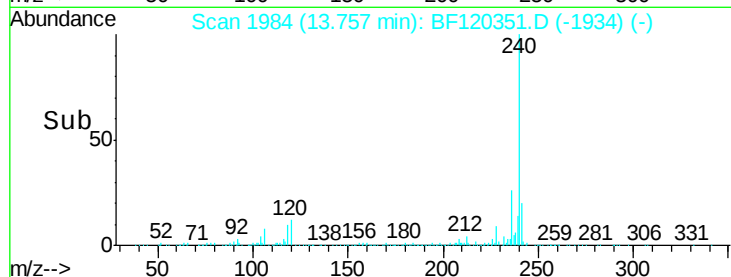
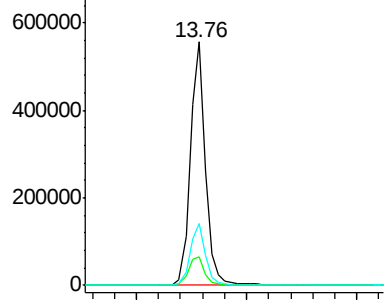
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.76 min Scan# 1984
Delta R.T. -0.01 min
Lab File: BF120351.D
Acq: 18 May 2020 19:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	11.7	10.4	15.6
236	25.6	21.0	31.6

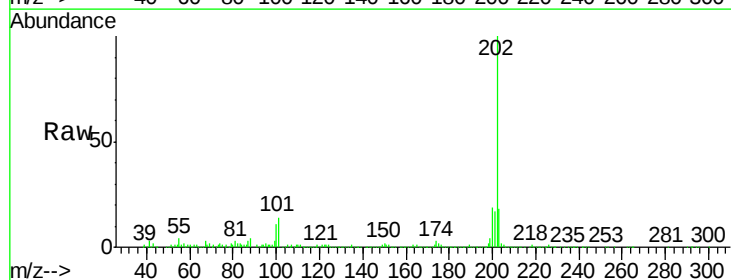


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

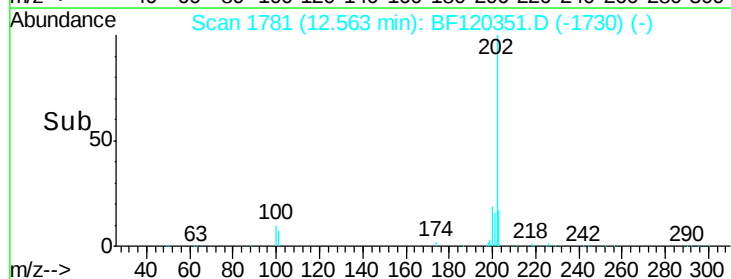
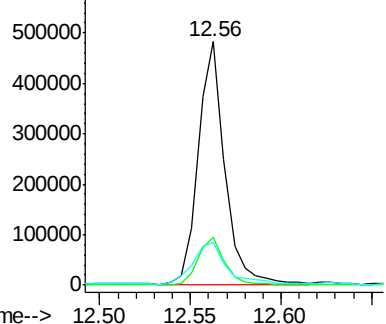


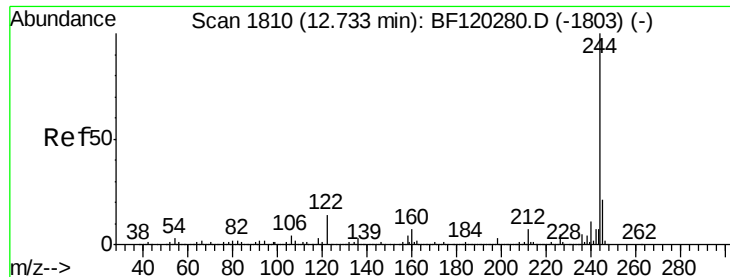
#78
Pyrene
Concen: 13.099 ng
RT: 12.56 min Scan# 1781
Delta R.T. -0.00 min
Lab File: BF120351.D
Acq: 18 May 2020 19:33

Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.4	16.6	25.0
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: 55.418 ng

RT: 12.71 min Scan# 1806

Delta R.T. -0.00 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

Instrument :

BNA_F

ClientSampleId :

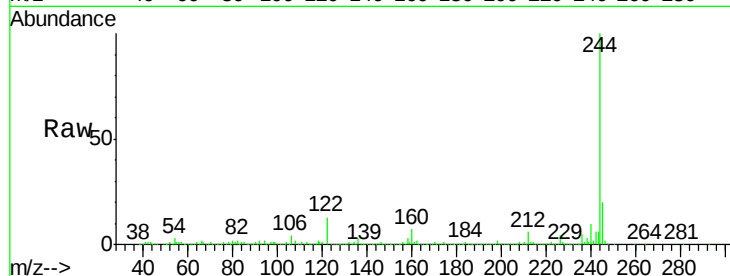
Tot Ion:244 Resp: 1309854

Ion Ratio Lower Upper

244 100

212 6.4 5.8 8.6

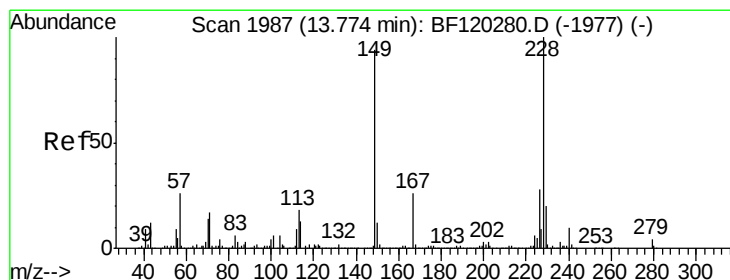
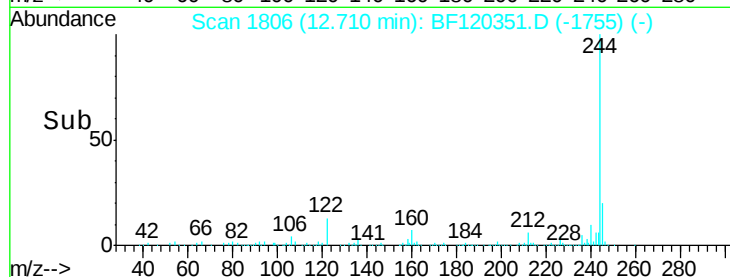
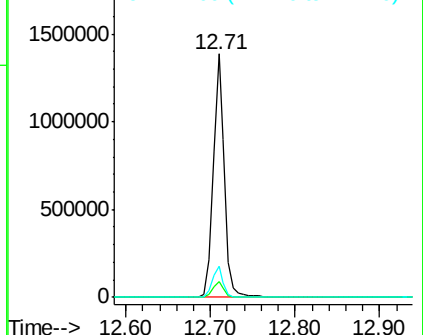
122 12.7 10.8 16.2



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 6.707 ng

RT: 13.74 min Scan# 1982

Delta R.T. -0.01 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

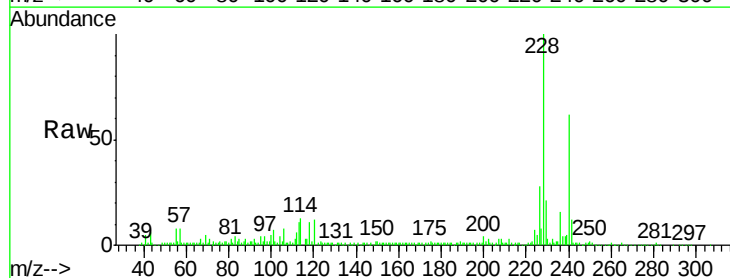
Tgt Ion:228 Resp: 184726

Ion Ratio Lower Upper

228 100

226 28.4 22.6 33.8

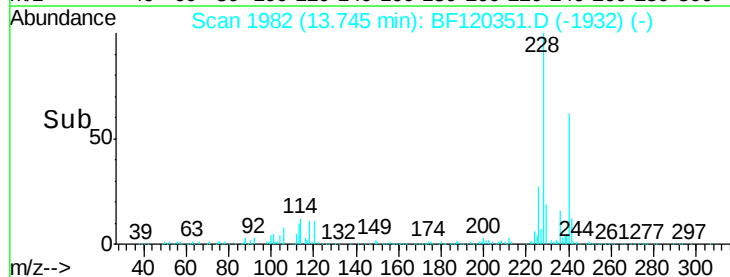
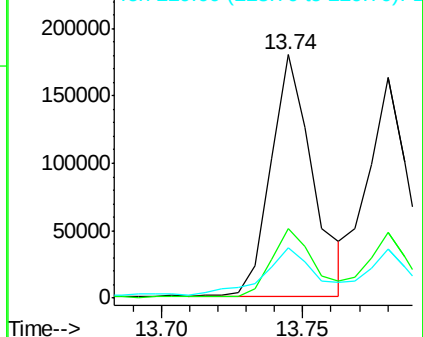
229 20.7 16.4 24.6

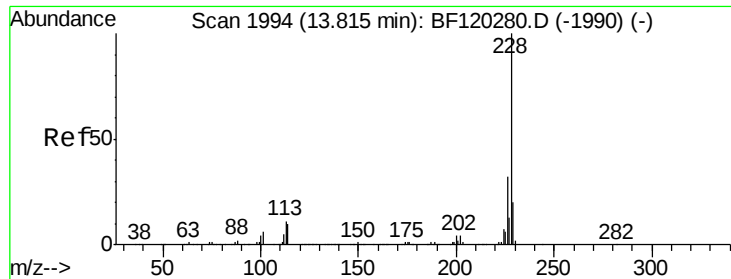


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

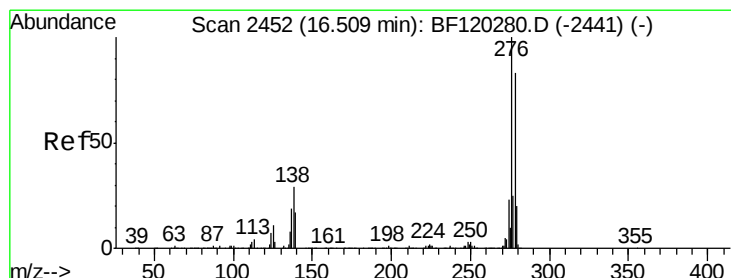
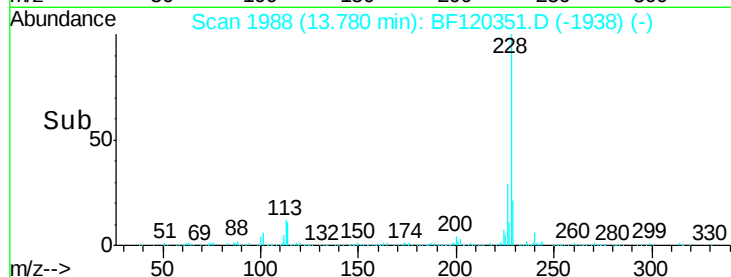
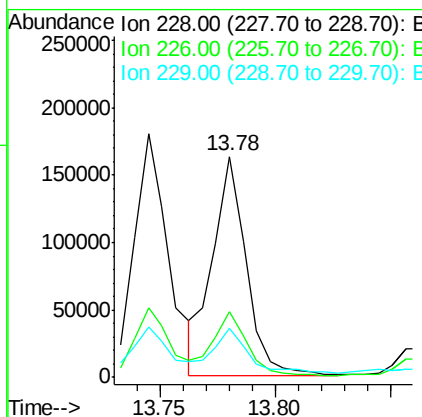
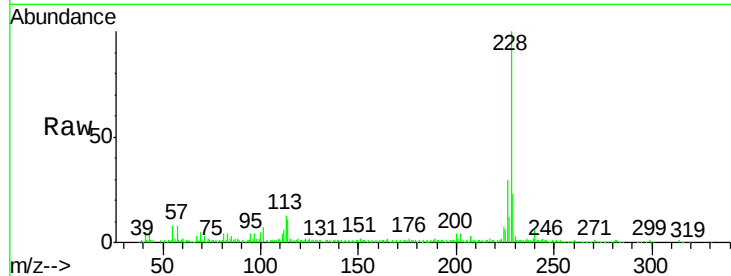




#83
Chrysene
Concen: 5.573 ng
RT: 13.78 min Scan# 1988
Delta R.T. -0.01 min
Lab File: BF120351.D
Acq: 18 May 2020 19:33

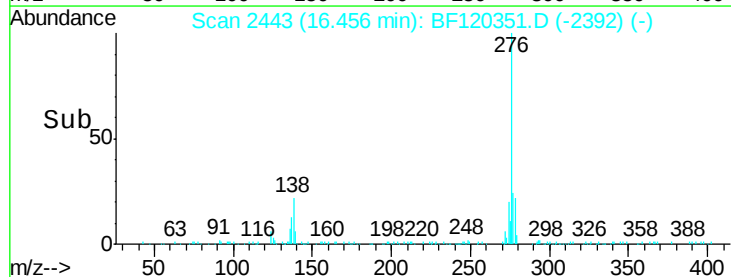
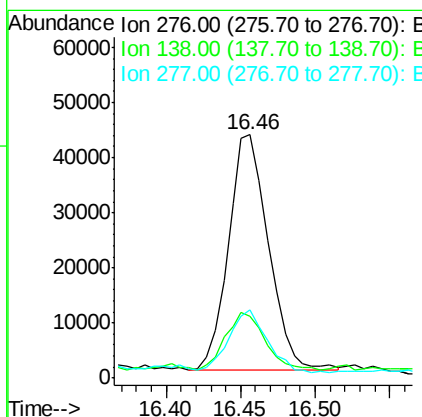
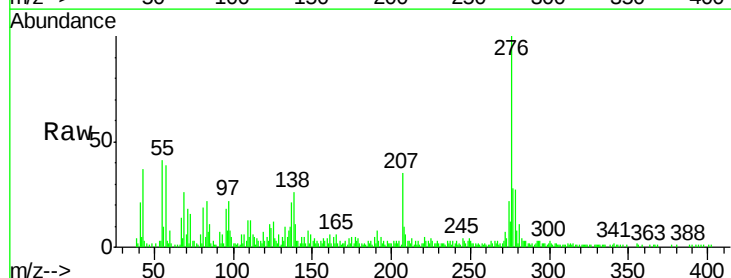
Instrument :
BNA_F
ClientSampled :

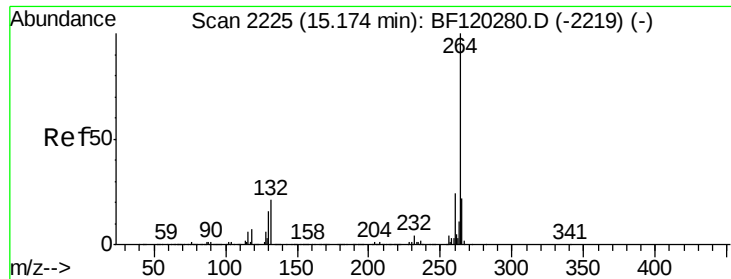
Tot Ion:228 Resp: 164800
Ion Ratio Lower Upper
228 100
226 30.0 25.0 37.6
229 22.5 16.2 24.4



#86
Indeno(1,2,3-cd)pyrene
Concen: 2.957 ng
RT: 16.46 min Scan# 2443
Delta R.T. -0.00 min
Lab File: BF120351.D
Acq: 18 May 2020 19:33

Tgt Ion:276 Resp: 79365
Ion Ratio Lower Upper
276 100
138 26.5 23.3 34.9
277 25.1 20.2 30.4





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.14 min Scan# 2220

Delta R.T. -0.00 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

Instrument :

BNA_F

ClientSampleId :

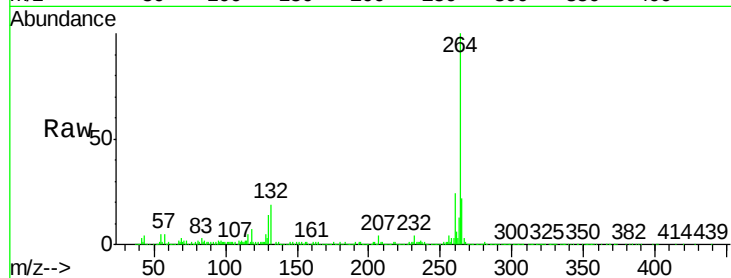
Tot Ion:264 Resp: 587815

Ion Ratio Lower Upper

264 100

260 24.1 19.0 28.6

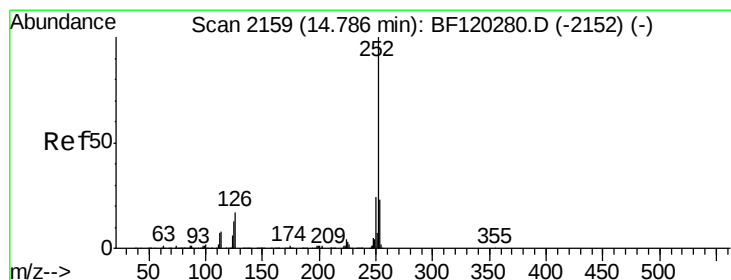
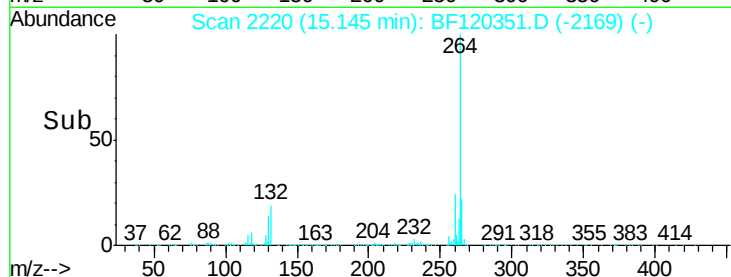
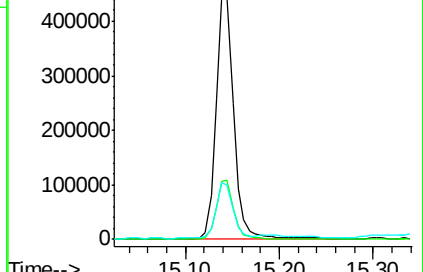
265 22.1 17.5 26.3



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 8.797 ng

RT: 14.76 min Scan# 2154

Delta R.T. -0.01 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

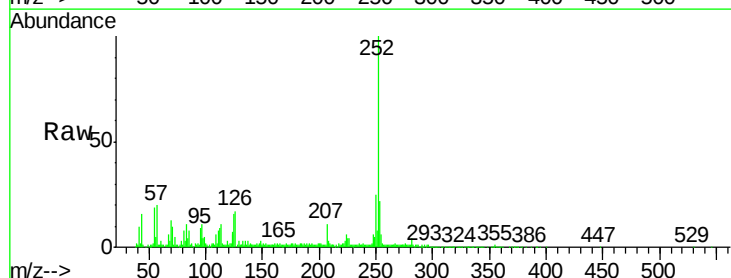
Tgt Ion:252 Resp: 282412

Ion Ratio Lower Upper

252 100

253 22.4 18.1 27.1

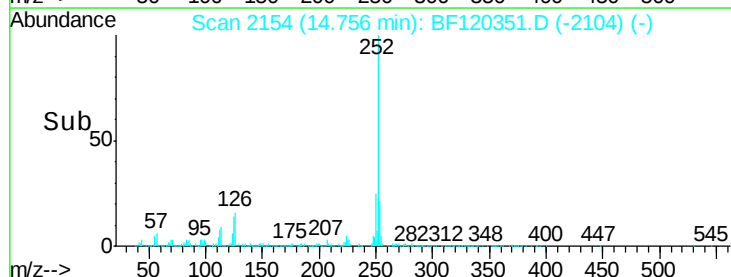
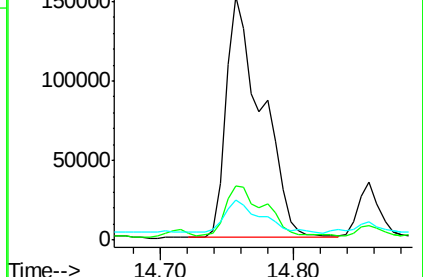
125 16.4 10.4 15.6#

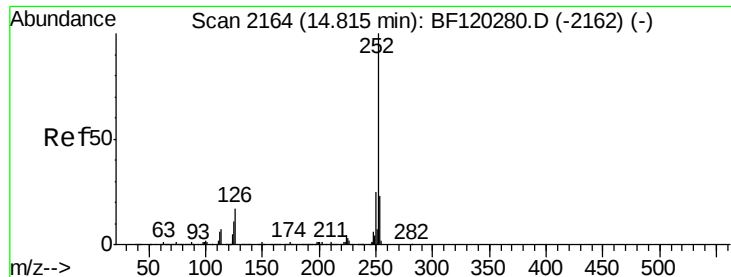


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

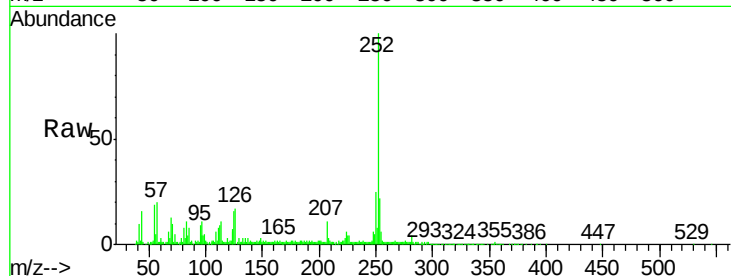




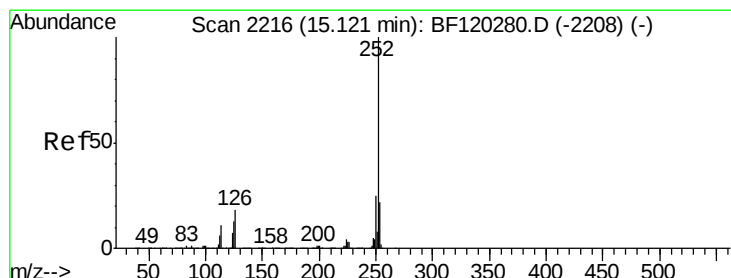
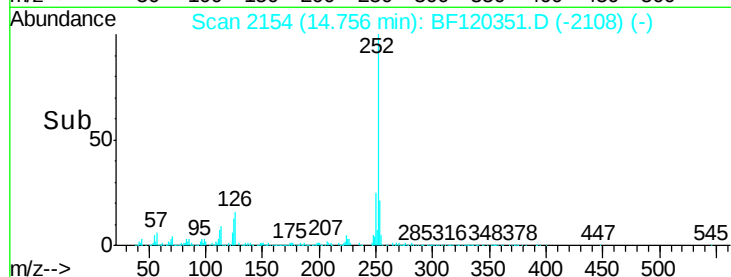
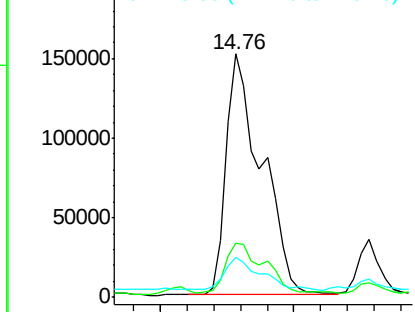
#89
Benzo(k)fluoranthene
Concen: 10.154 ng
RT: 14.76 min Scan# 2154
Delta R.T. -0.03 min
Lab File: BF120351.D
Acq: 18 May 2020 19:33

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.4	18.2	27.2
125	16.4	9.9	14.9

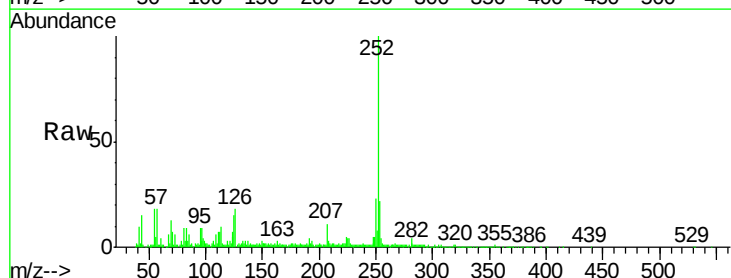


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

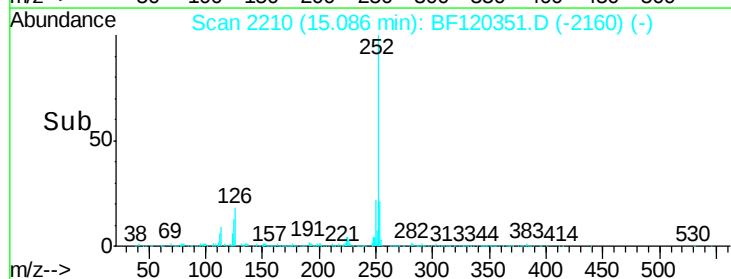
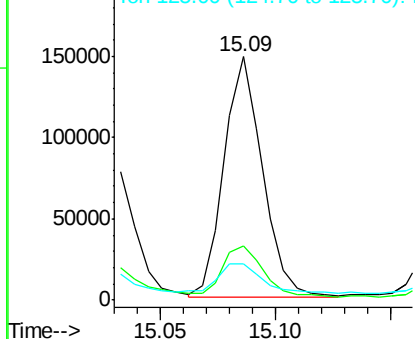


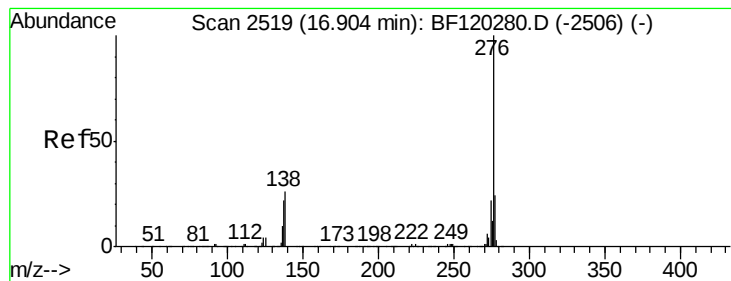
#90
Benzo(a)pyrene
Concen: 6.007 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.01 min
Lab File: BF120351.D
Acq: 18 May 2020 19:33

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.6	26.4
125	15.1	10.6	16.0



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





#92

Benzo(a,h,i)perylene

Concen: 2.758 ng

RT: 16.84 min Scan# 2509

Delta R.T. -0.01 min

Lab File: BF120351.D

Acq: 18 May 2020 19:33

Instrument :

BNA_F

ClientSampleId :

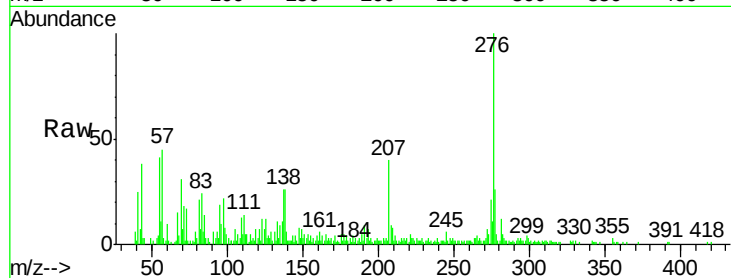
Tot Ion: 276 Resp: 70931

Ion Ratio Lower Upper

276 100

277 26.1 19.1 28.7

138 25.7 20.8 31.2



Abundance

Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

