

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120446.D
 Acq On : 29 May 2020 18:28
 Operator : MA/SJ
 Sample : L2773-20
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 30 00:37:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	276086	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	1022202	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	502062	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	822087	20.00	ng	0.00
76) Chrysene-d12	13.99	240	539720	20.00	ng	0.00
86) Perylene-d12	15.44	264	575237	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.45	112	1087744	75.08	ng	0.00
7) Phenol-d6	6.46	99	1411978	79.07	ng	0.00
23) Nitrobenzene-d5	7.40	82	941958	60.28	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	380966	81.90	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	1795414	60.68	ng	0.00
79) Terphenyl-d14	12.94	244	1534458	63.26	ng	0.00

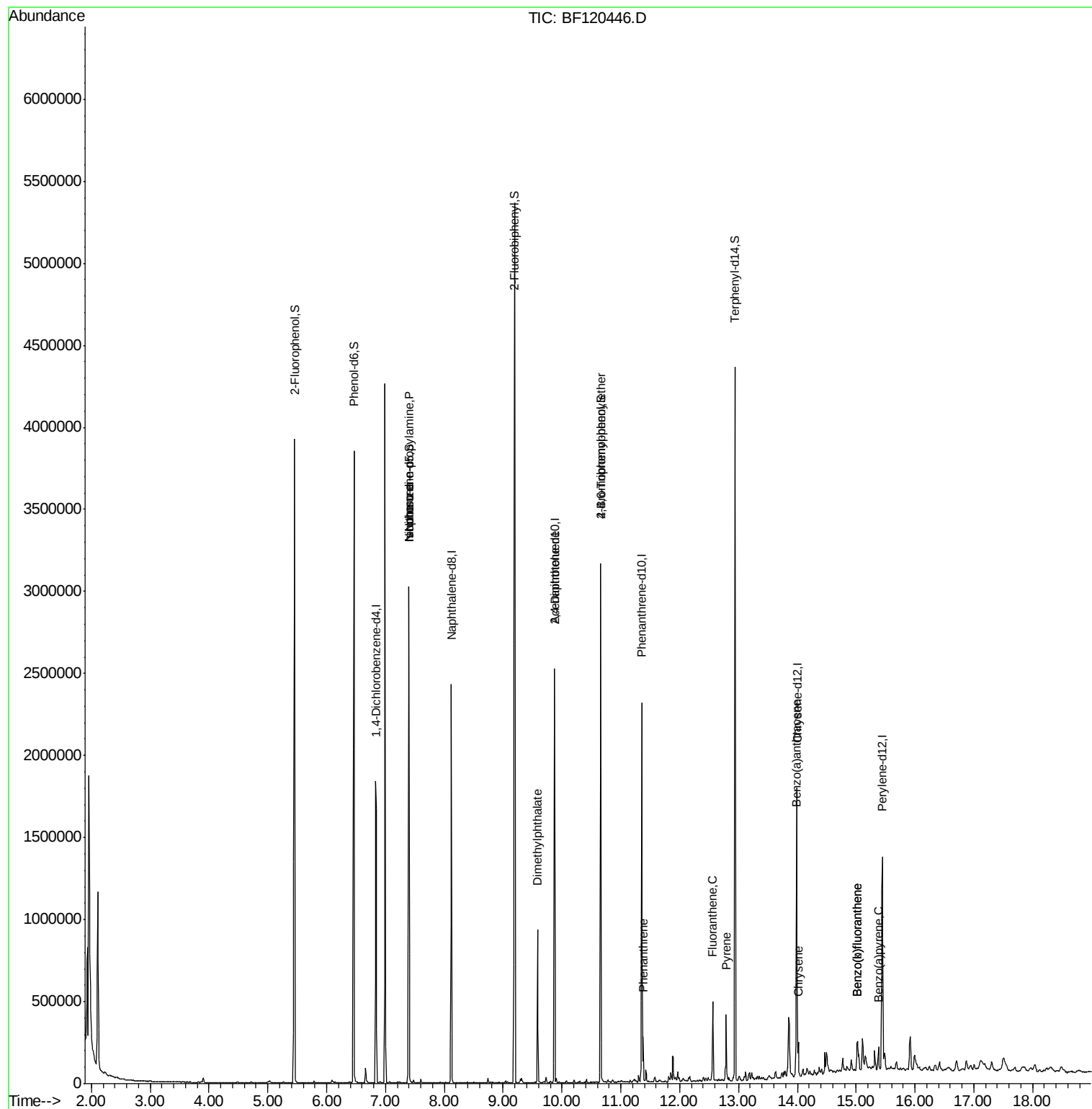
Target Compounds				Qvalue		
19) n-Nitroso-di-n-propylamine	7.40	70	125701	11.074	ng	# 76
25) Isophorone	7.40	82	941808	29.986	ng	# 64
50) Dimethylphthalate	9.59	163	329747	10.506	ng	99
57) 2,4-Dinitrotoluene	9.87	165	65027	7.284	ng	# 22
67) 4-Bromophenyl-phenylether	10.66	248	22659	2.731	ng	# 1
71) Phenanthrene	11.38	178	101753	2.809	ng	97
75) Fluoranthene	12.56	202	179074	4.594	ng	97
78) Pyrene	12.79	202	155837	4.152	ng	97
81) Benzo(a)anthracene	13.98	228	85033	2.940	ng	96
83) Chrysene	14.02	228	72658	2.396	ng	98
88) Benzo(b)fluoranthene	15.02	252	134897	4.222	ng	98
89) Benzo(k)fluoranthene	15.02	252	134897	4.523	ng	98
90) Benzo(a)pyrene	15.38	252	69437	2.485	ng	99

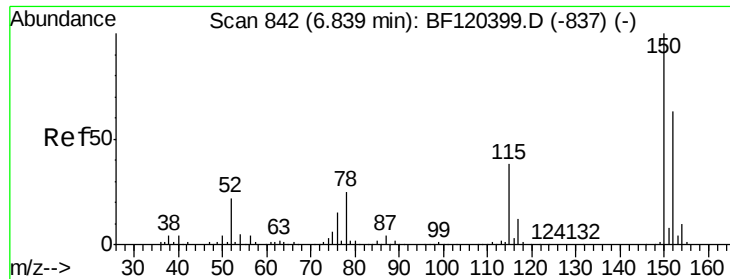
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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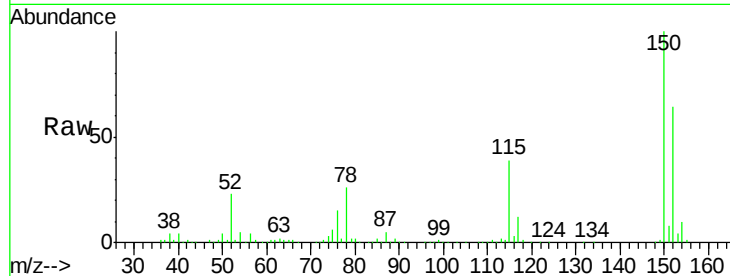


#1

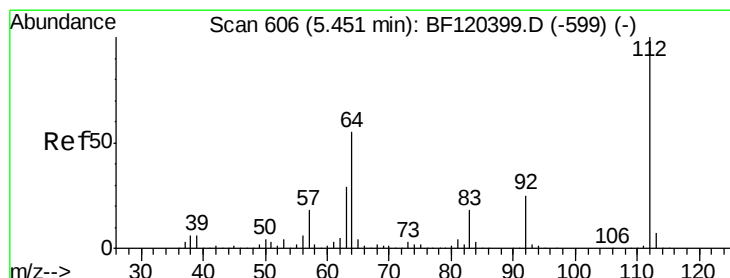
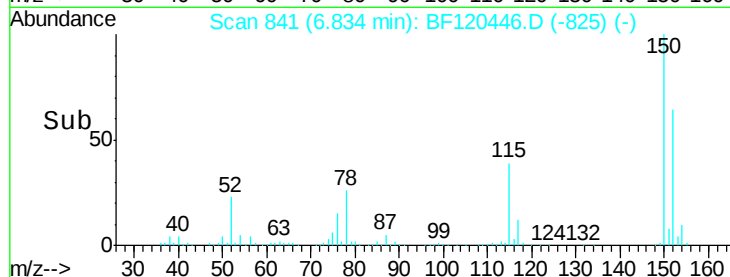
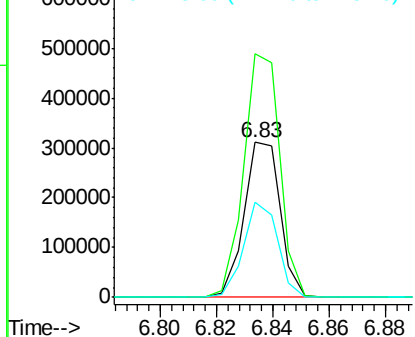
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.83 min Scan# 841
 Delta R.T. -0.01 min
 Lab File: BF120446.D
 Acq: 29 May 2020 18:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:152 Resp: 276086
 Ion Ratio Lower Upper
 152 100
 150 157.2 126.5 189.7
 115 61.3 47.6 71.4



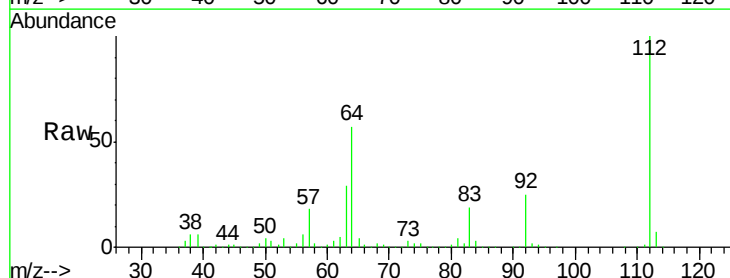
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



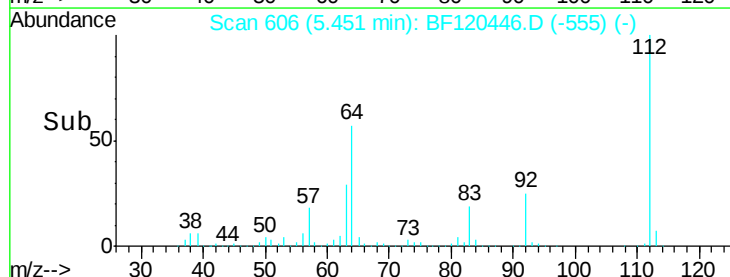
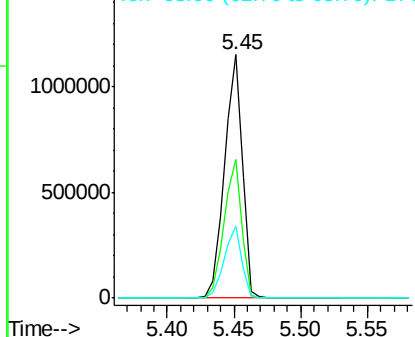
#5

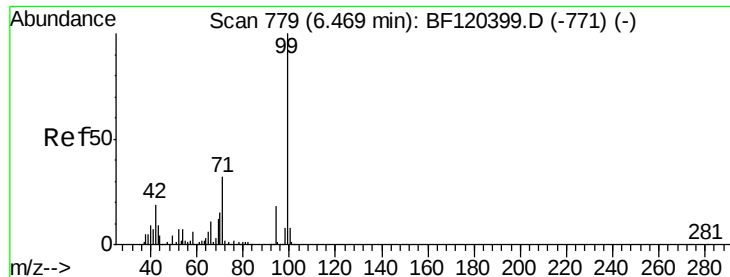
2-Fluorophenol
 Concen: 75.084 ng
 RT: 5.45 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: BF120446.D
 Acq: 29 May 2020 18:28

Tgt Ion:112 Resp: 1087744
 Ion Ratio Lower Upper
 112 100
 64 56.9 44.3 66.5
 63 29.5 22.9 34.3



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: 79.075 ng

RT: 6.46 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

Instrument :

BNA_F

ClientSampleId :

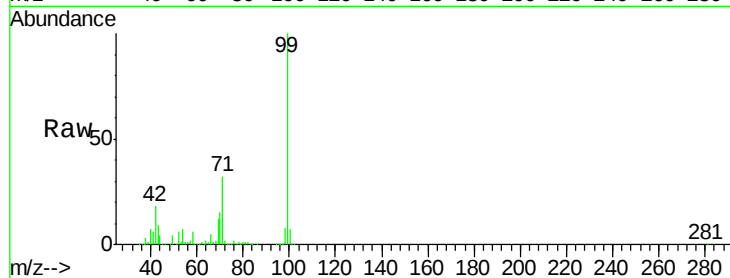
Tot Ion: 99 Resp: 1411978

Ion Ratio Lower Upper

99 100

42 18.3 15.2 22.8

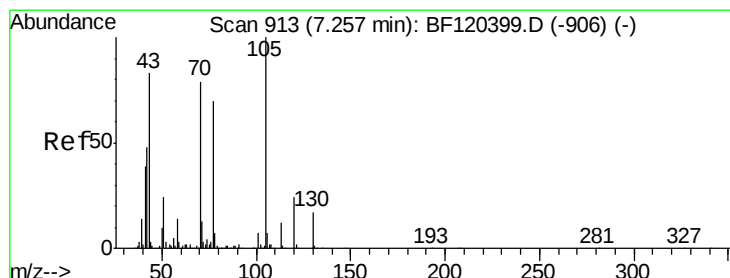
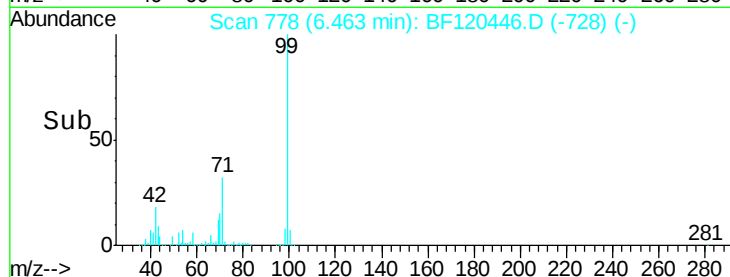
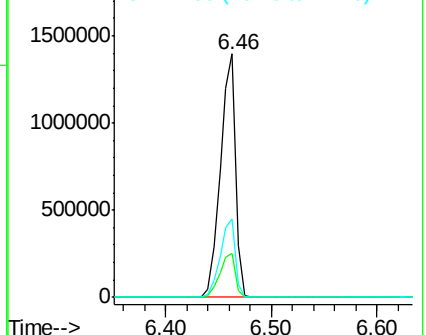
71 32.1 25.6 38.4



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: 11.074 ng

RT: 7.40 min Scan# 937

Delta R.T. 0.14 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

Tgt Ion: 70 Resp: 125701

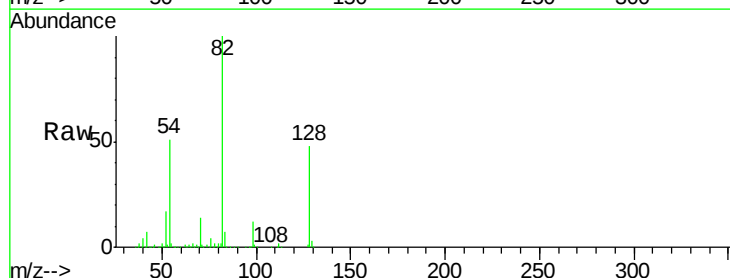
Ion Ratio Lower Upper

70 100

42 47.7 48.9 73.3#

101 0.0 7.4 11.2#

130 2.2 16.8 25.2#

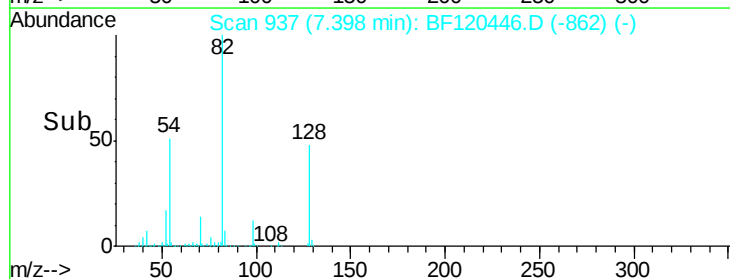
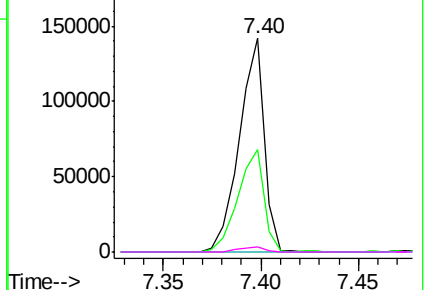


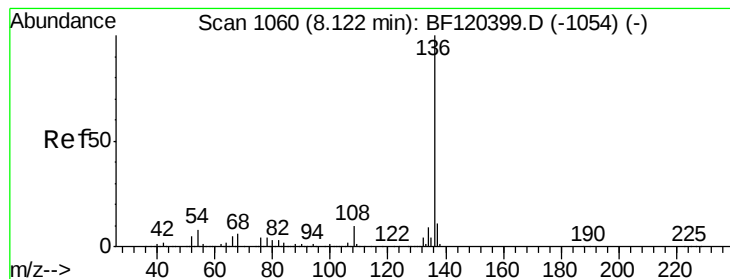
Abundance Ion 70.00 (69.70 to 70.70): BF1

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: 8.12 min Scan# 1059

Delta R.T. -0.01 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 1022202

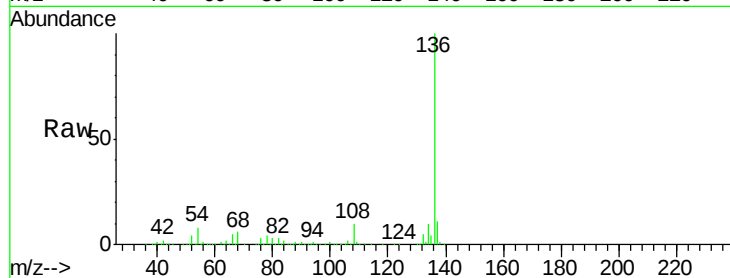
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 8.3 6.7 10.1

68 6.5 5.0 7.4

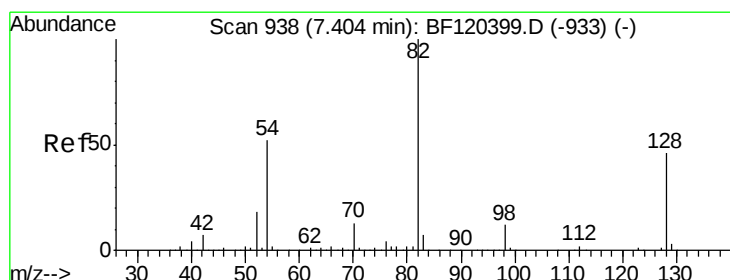
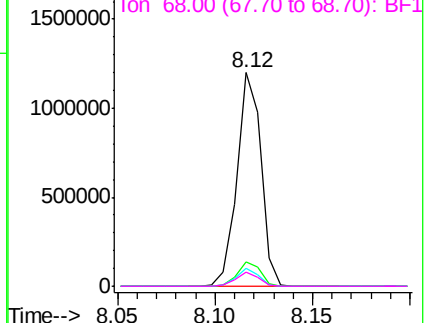
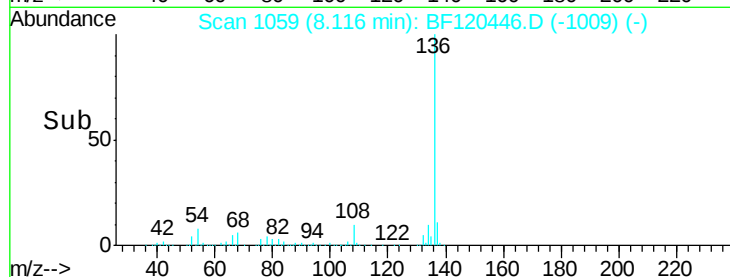


Abundance Ion 136.00 (135.70 to 136.70): E

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: 60.278 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.01 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

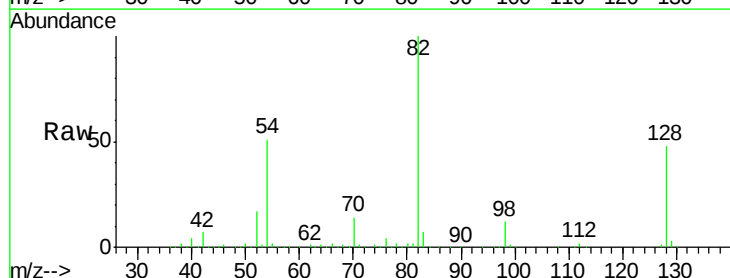
Tgt Ion: 82 Resp: 941958

Ion Ratio Lower Upper

82 100

128 47.7 36.8 55.2

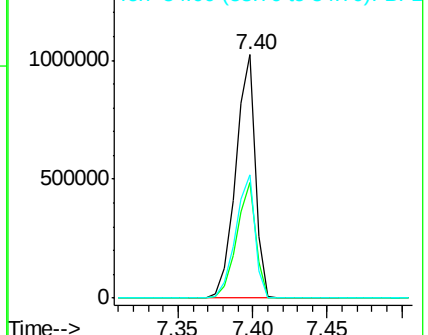
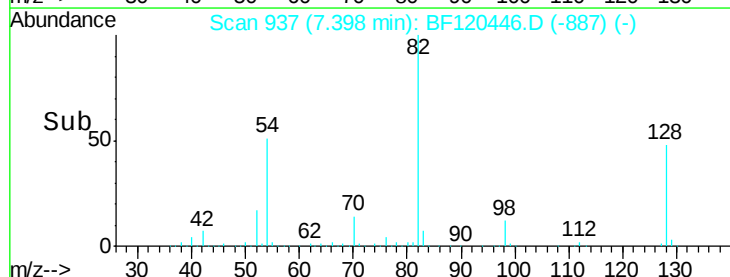
54 50.5 41.6 62.4

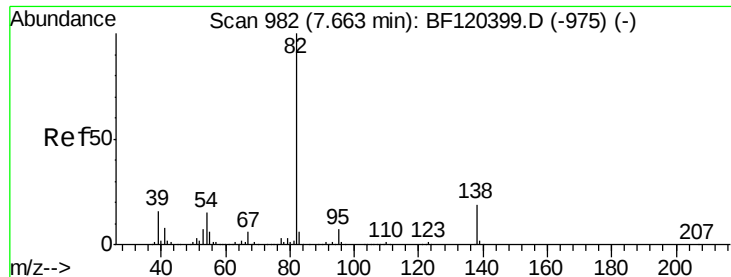


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 29.986 ng

RT: 7.40 min Scan# 937

Delta R.T. -0.26 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

Instrument :

BNA_F

ClientSampleId :

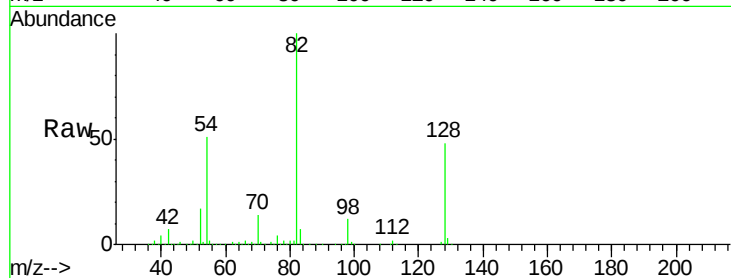
Tot Ion: 82 Resp: 941808

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

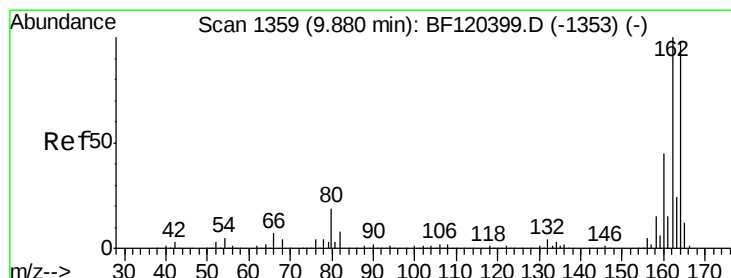
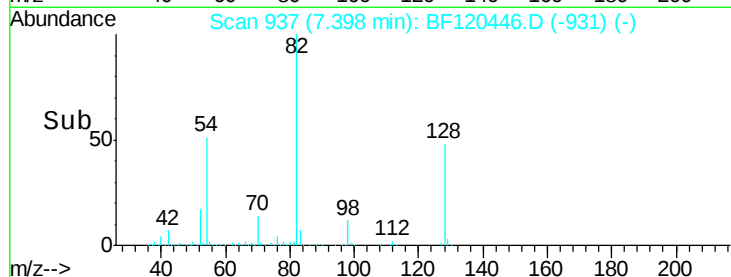
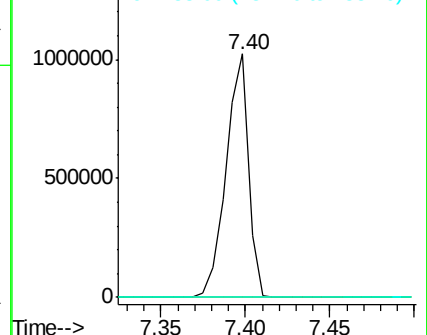
138 0.0 15.0 22.4#



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: 9.87 min Scan# 1358

Delta R.T. 0.00 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

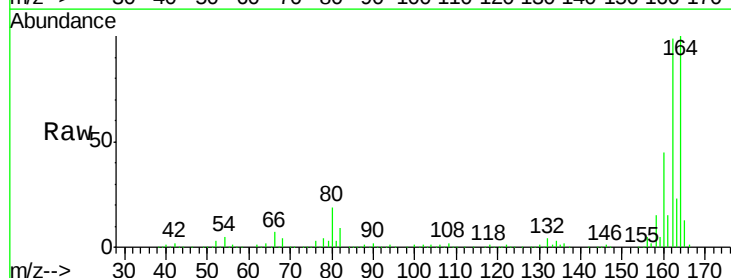
Tgt Ion:164 Resp: 502062

Ion Ratio Lower Upper

164 100

162 99.4 81.3 121.9

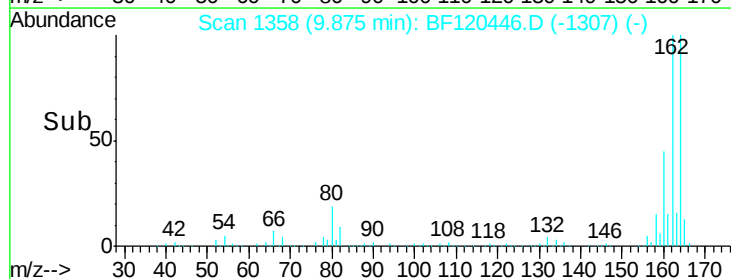
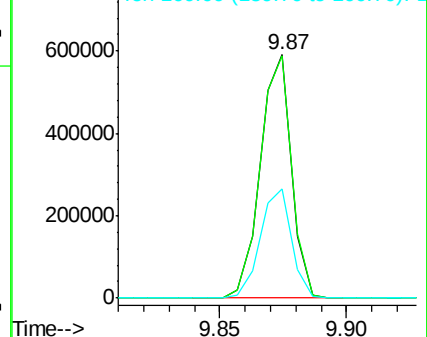
160 45.0 36.9 55.3

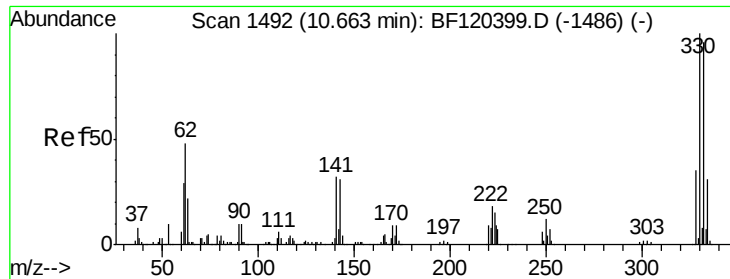


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

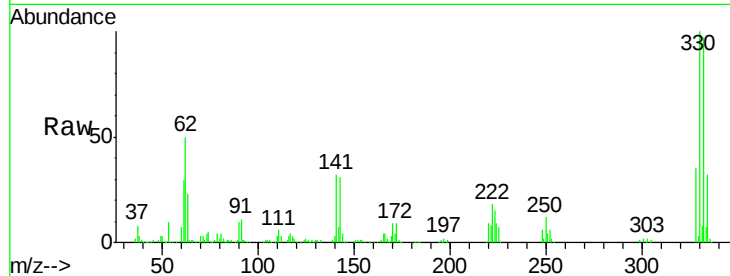




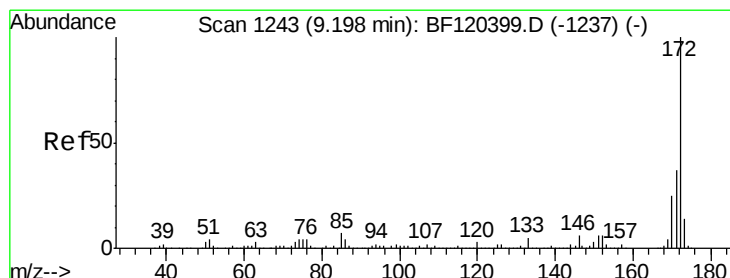
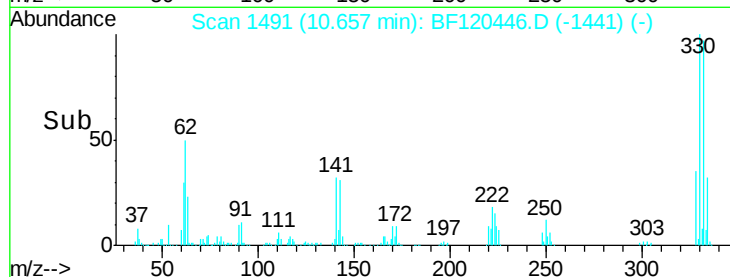
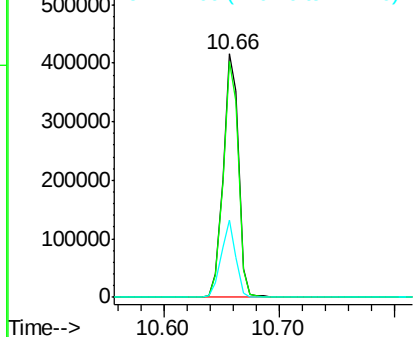
#42
 2,4,6-Tribromophenol
 Concen: 81.896 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120446.D
 Acq: 29 May 2020 18:28

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 380966
 Ion Ratio Lower Upper
 330 100
 332 96.3 77.0 115.6
 141 30.3 25.3 37.9

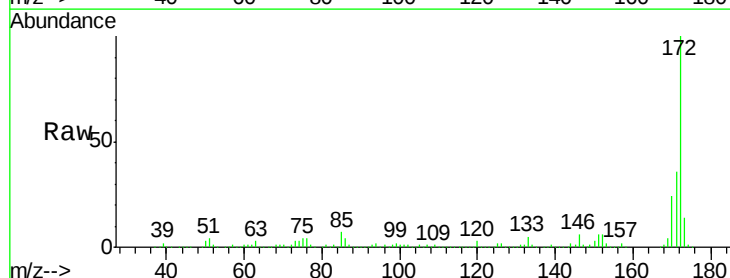


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

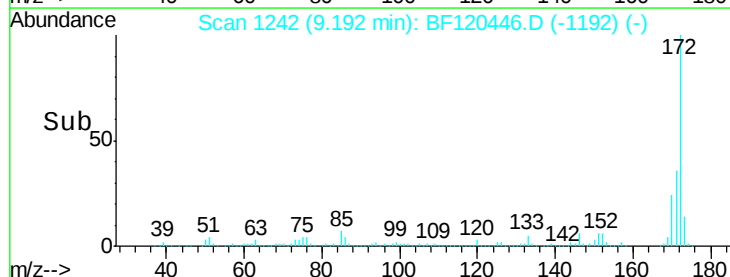
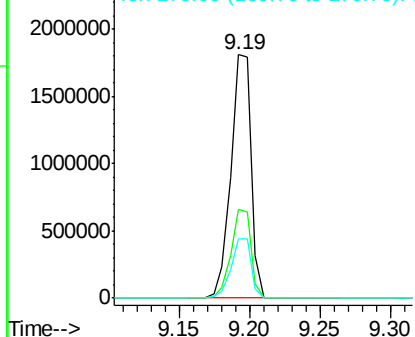


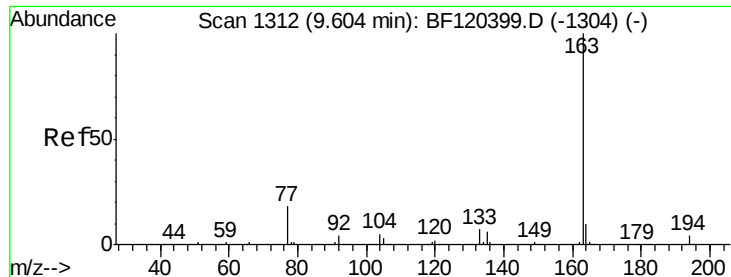
#45
 2-Fluorobiphenyl
 Concen: 60.675 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120446.D
 Acq: 29 May 2020 18:28

Tgt Ion:172 Resp: 1795414
 Ion Ratio Lower Upper
 172 100
 171 36.2 29.7 44.5
 170 24.5 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

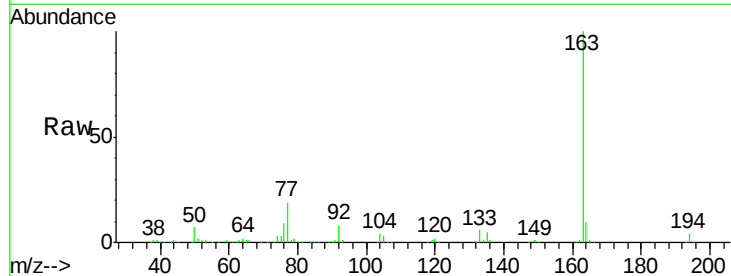




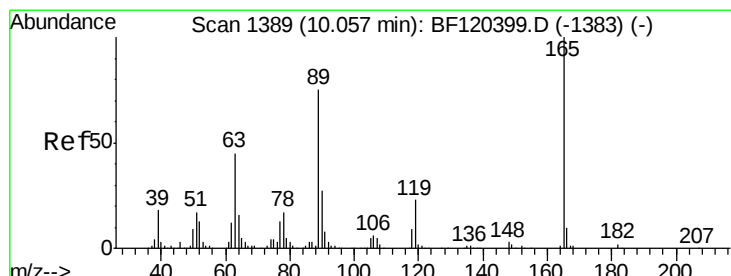
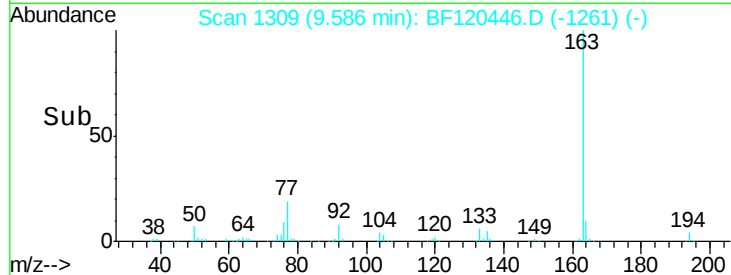
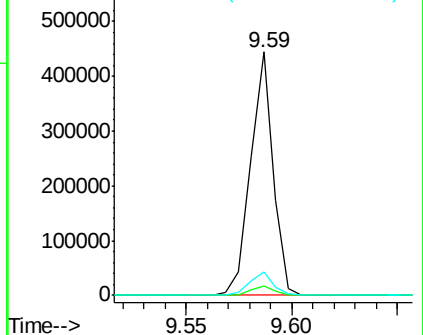
#50
Dimethylphthalate
Concen: 10.506 ng
RT: 9.59 min Scan# 1309
Delta R.T. -0.02 min
Lab File: BF120446.D
Acq: 29 May 2020 18:28

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ion	Ratio	Lower	Upper
163	100			
194	3.9	3.3	4.9	
164	9.8	8.3	12.5	



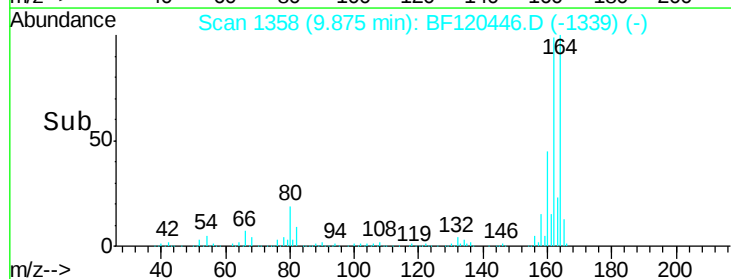
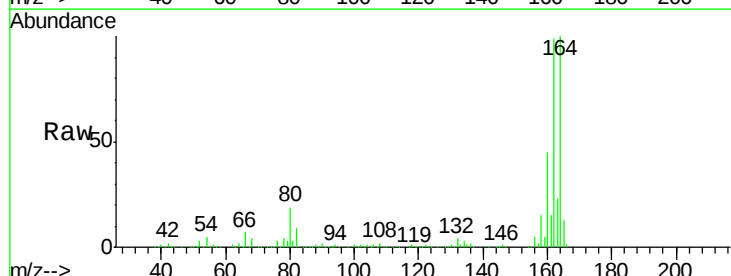
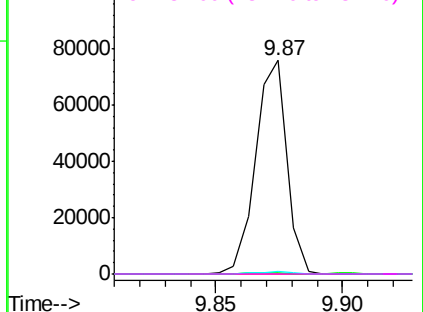
Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

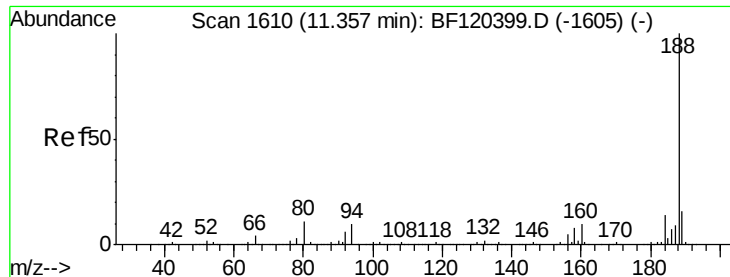


#57
2,4-Dinitrotoluene
Concen: 7.284 ng
RT: 9.87 min Scan# 1358
Delta R.T. -0.19 min
Lab File: BF120446.D
Acq: 29 May 2020 18:28

Tgt Ion	Ion	Ratio	Lower	Upper
165	100			
63	0.8	35.9	53.9#	
89	1.3	60.0	90.0#	
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

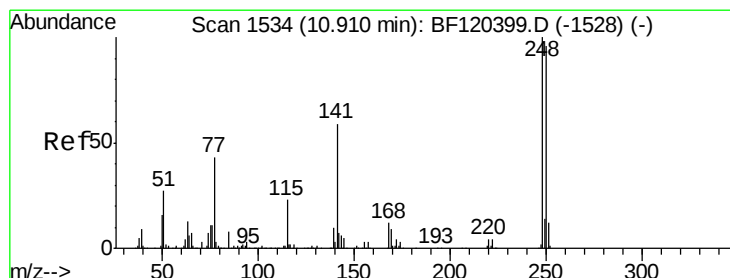
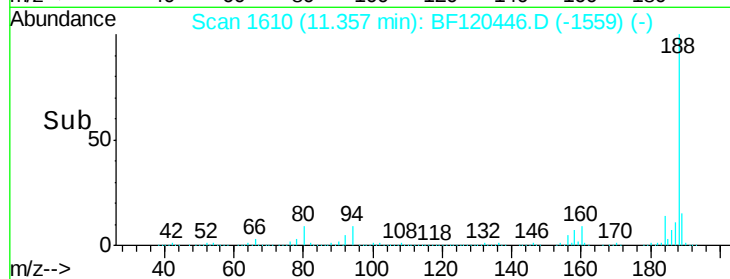
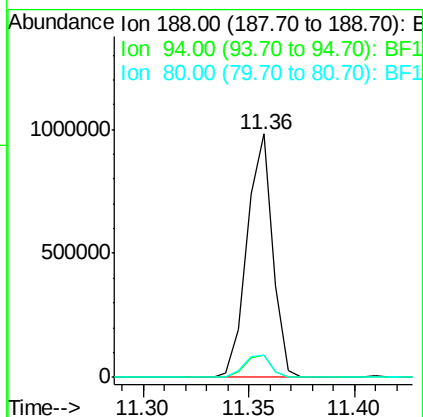
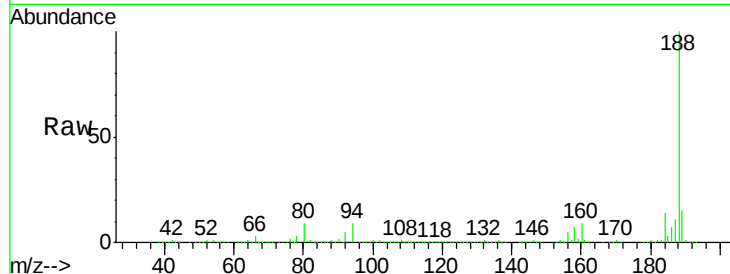




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF120446.D
 Acq: 29 May 2020 18:28

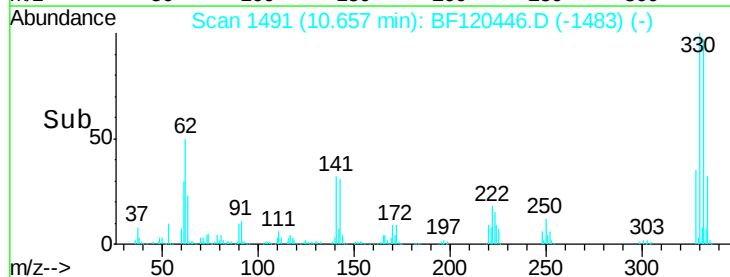
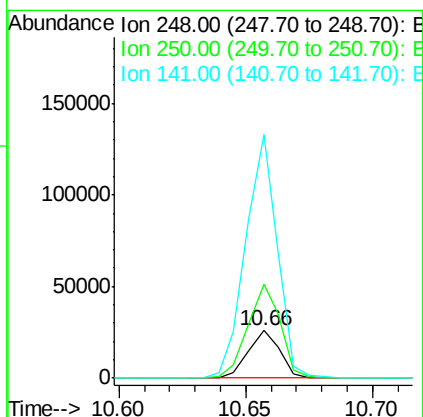
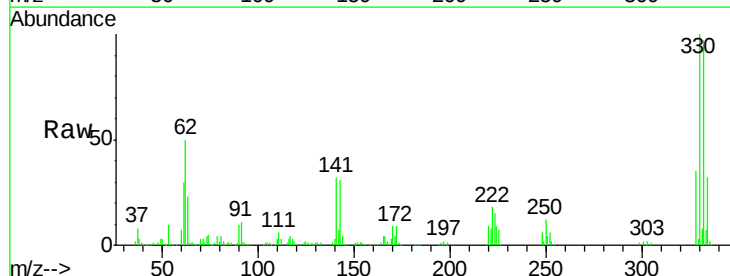
Instrument :
 BNA_F
 ClientSampled :

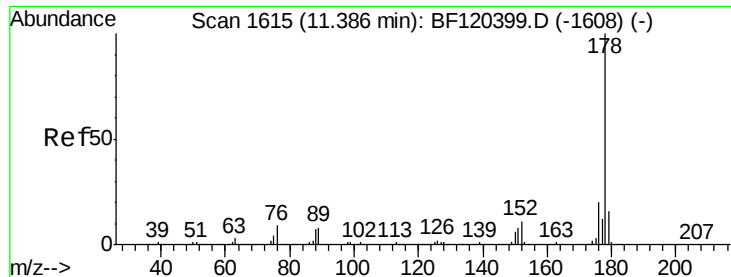
Tot Ion:188 Resp: 822087
 Ion Ratio Lower Upper
 188 100
 94 8.9 7.9 11.9
 80 8.9 8.6 13.0



#67
 4-Bromophenyl-phenylether
 Concen: 2.731 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.25 min
 Lab File: BF120446.D
 Acq: 29 May 2020 18:28

Tgt Ion:248 Resp: 22659
 Ion Ratio Lower Upper
 248 100
 250 196.9 76.5 114.7#
 141 510.3 47.2 70.8#





#71

Phenanthrene

Concen: 2.809 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

Instrument :

BNA_F

ClientSampleId :

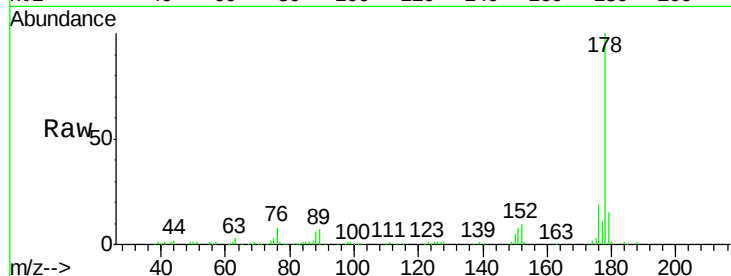
Tot Ion:178 Resp: 101753

Ion Ratio Lower Upper

178 100

176 19.3 16.4 24.6

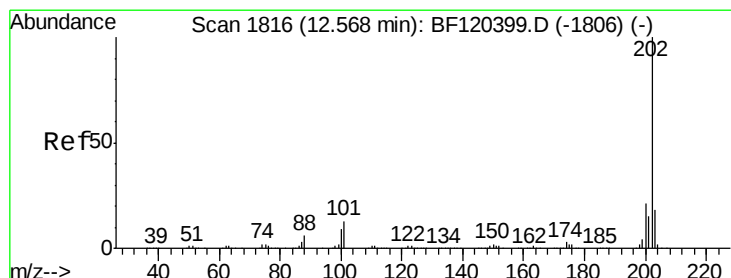
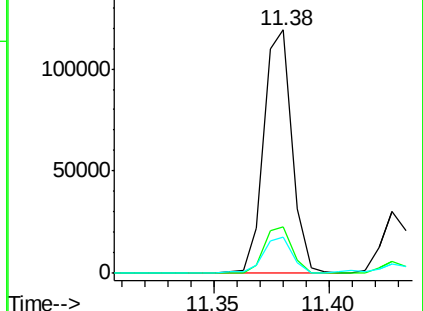
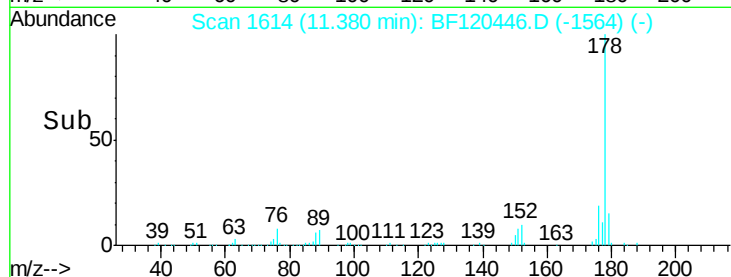
179 15.1 13.0 19.4



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



#75

Fluoranthene

Concen: 4.594 ng

RT: 12.56 min Scan# 1815

Delta R.T. -0.01 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

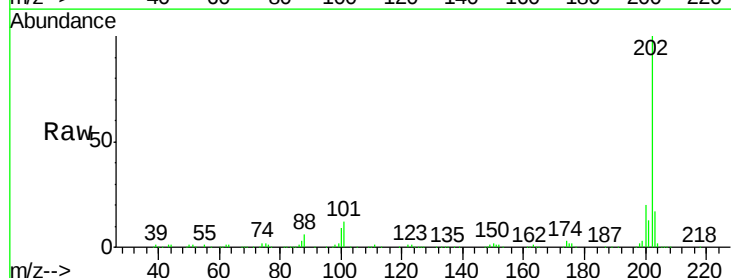
Tgt Ion:202 Resp: 179074

Ion Ratio Lower Upper

202 100

101 11.6 0.0 32.6

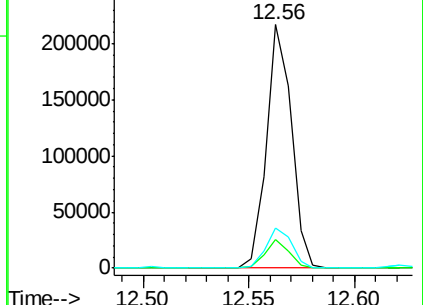
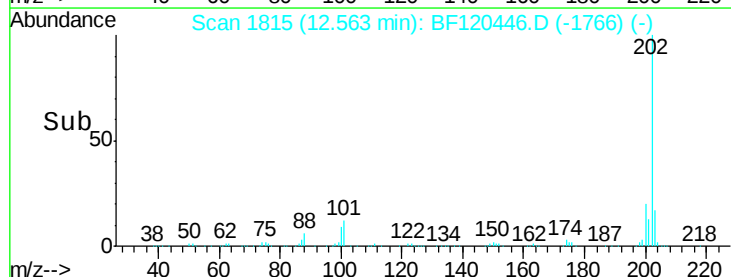
203 16.6 0.0 38.4

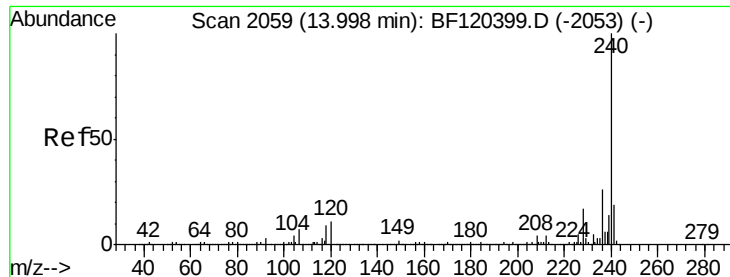


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

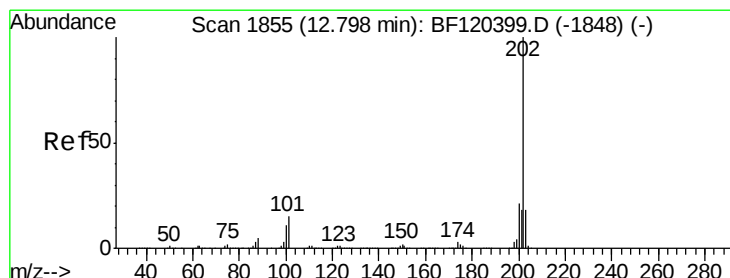
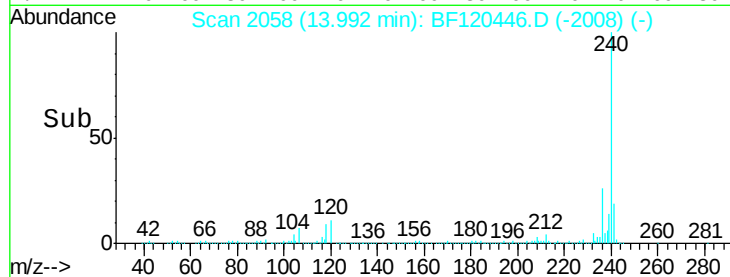
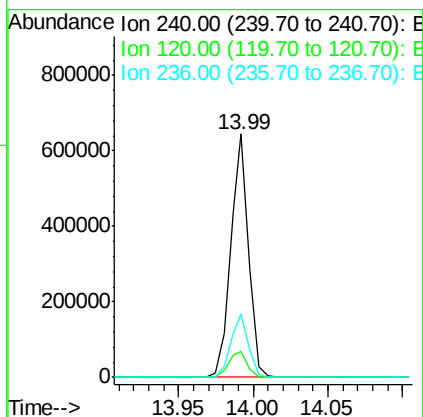
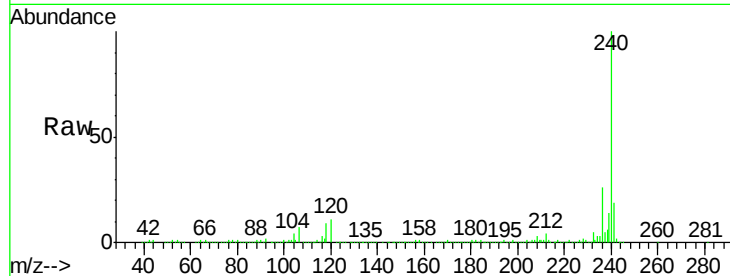




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.99 min Scan# 2058
Delta R.T. -0.01 min
Lab File: BF120446.D
Acq: 29 May 2020 18:28

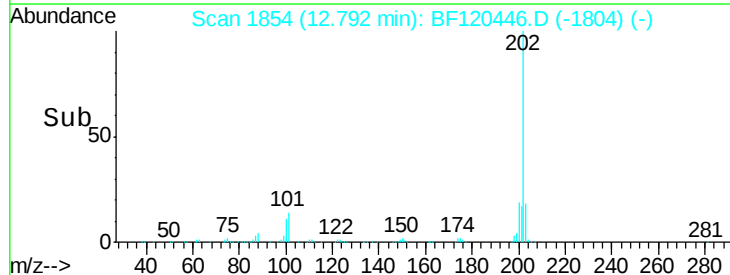
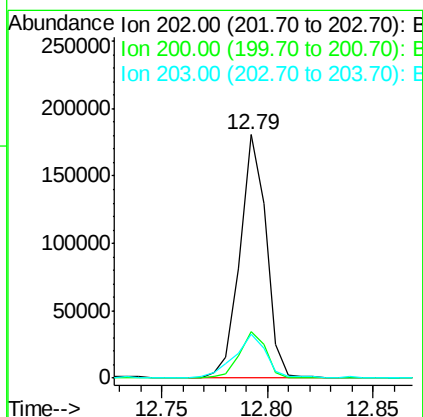
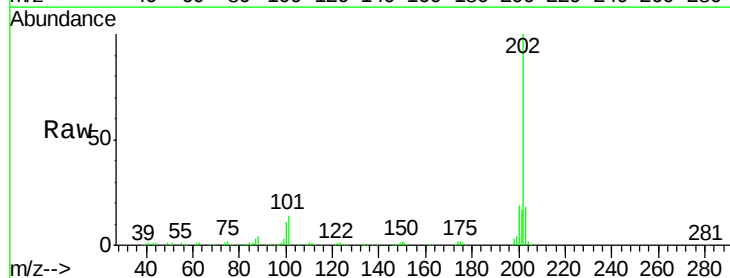
Instrument :
BNA_F
ClientSampleId :

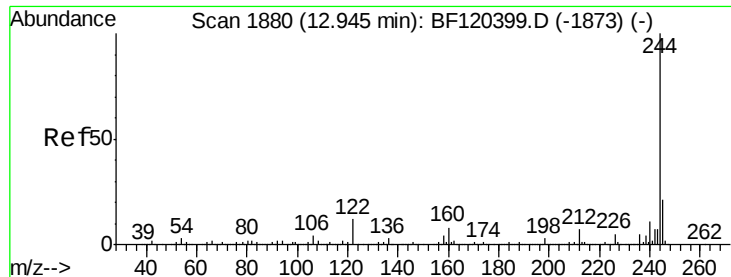
Tot Ion:240 Resp: 539720
Ion Ratio Lower Upper
240 100
120 10.9 8.8 13.2
236 25.9 21.0 31.4



#78
Pyrene
Concen: 4.152 ng
RT: 12.79 min Scan# 1854
Delta R.T. -0.01 min
Lab File: BF120446.D
Acq: 29 May 2020 18:28

Tgt Ion:202 Resp: 155837
Ion Ratio Lower Upper
202 100
200 19.2 17.0 25.4
203 18.1 14.7 22.1





#79

Terphenyl-d14

Concen: 63.265 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

Instrument :

BNA_F

ClientSampleId :

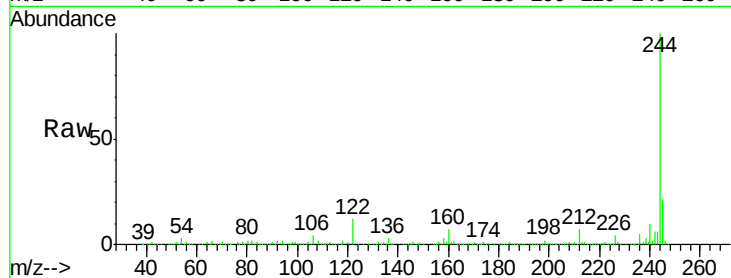
Tot Ion:244 Resp: 1534458

Ion Ratio Lower Upper

244 100

212 6.8 5.9 8.9

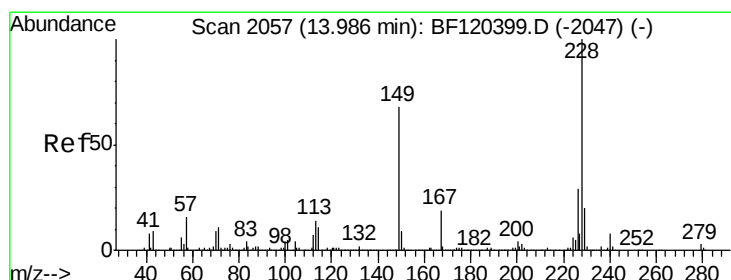
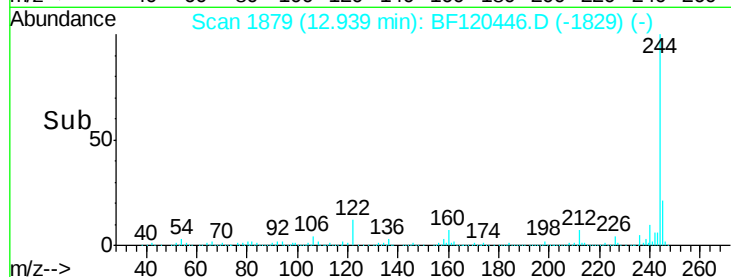
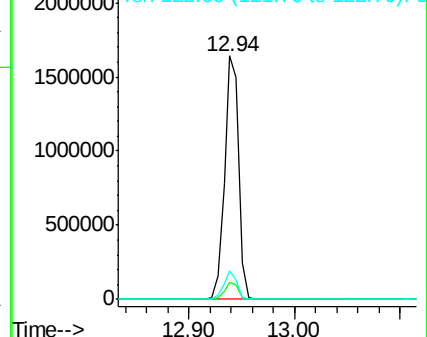
122 11.8 9.2 13.8



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: 2.940 ng

RT: 13.98 min Scan# 2056

Delta R.T. -0.01 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

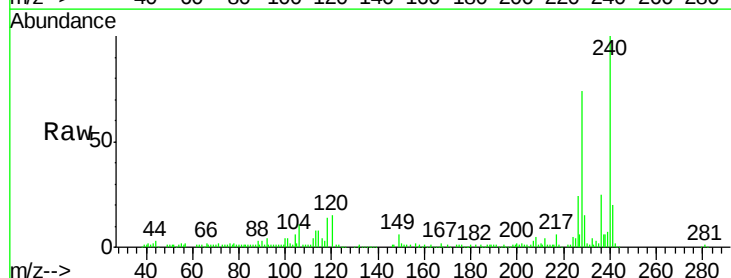
Tgt Ion:228 Resp: 85033

Ion Ratio Lower Upper

228 100

226 32.3 23.0 34.4

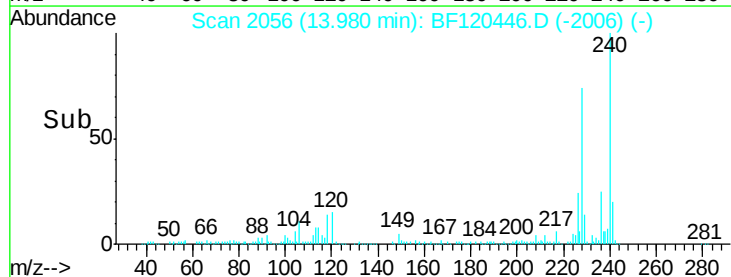
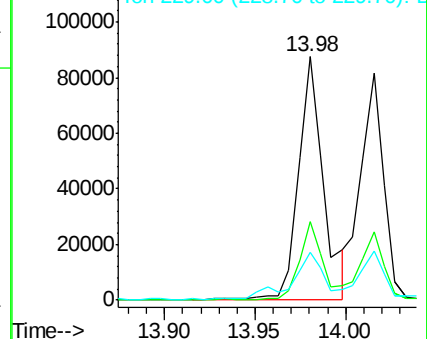
229 19.8 16.2 24.4

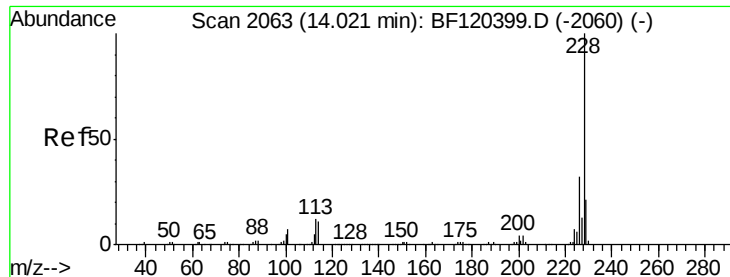


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.396 ng

RT: 14.02 min Scan# 2062

Delta R.T. -0.01 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

Instrument :

BNA_F

ClientSampled :

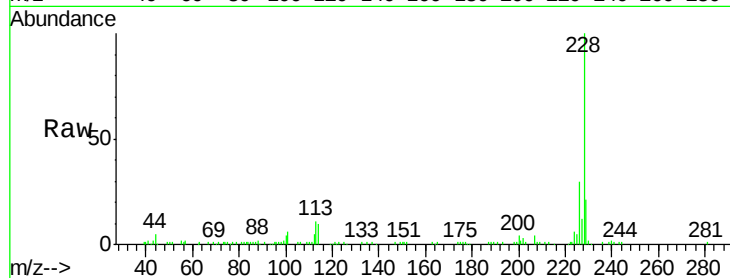
Tot Ion:228 Resp: 72658

Ion Ratio Lower Upper

228 100

226 30.2 25.6 38.4

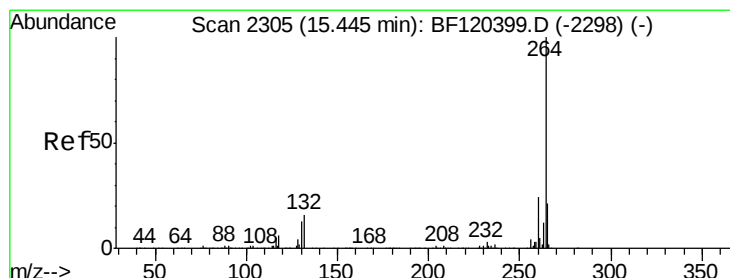
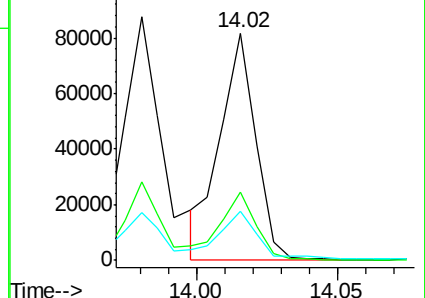
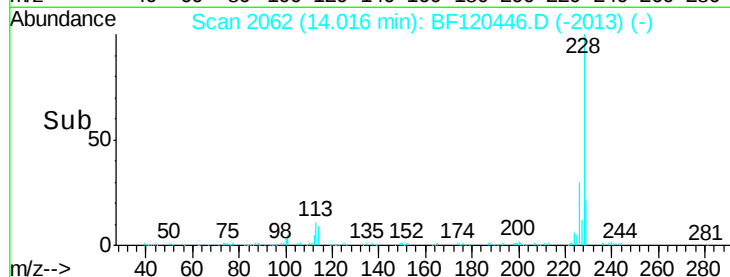
229 21.5 16.6 25.0



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2305

Delta R.T. -0.01 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

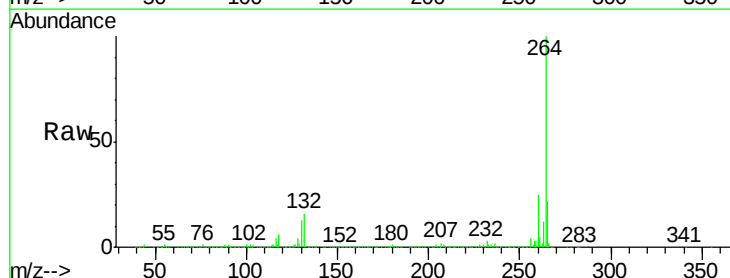
Tgt Ion:264 Resp: 575237

Ion Ratio Lower Upper

264 100

260 24.8 19.2 28.8

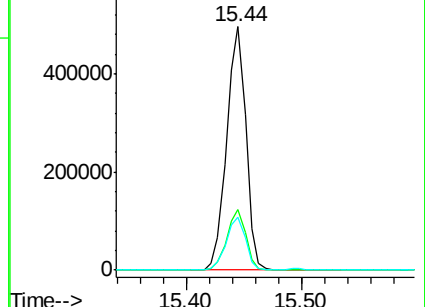
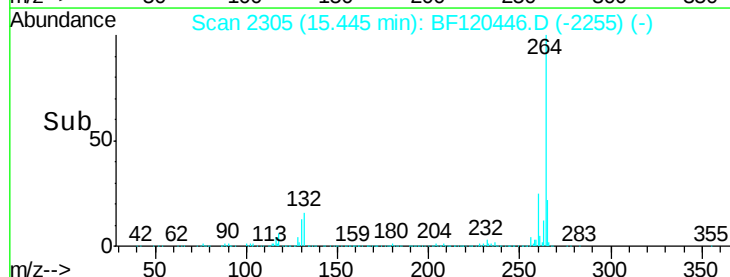
265 21.8 16.9 25.3

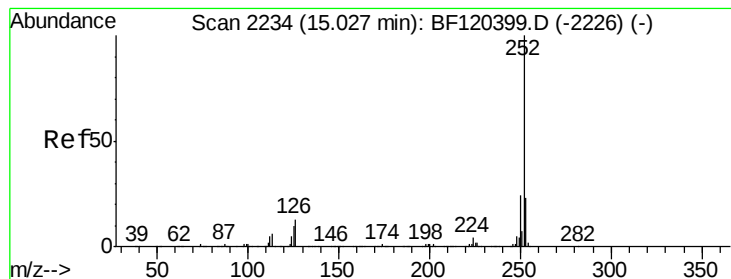


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#88

Benzo(b)fluoranthene

Concen: 4.222 ng

RT: 15.02 min Scan# 2233

Delta R.T. -0.01 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

Instrument :

BNA_F

ClientSampleId :

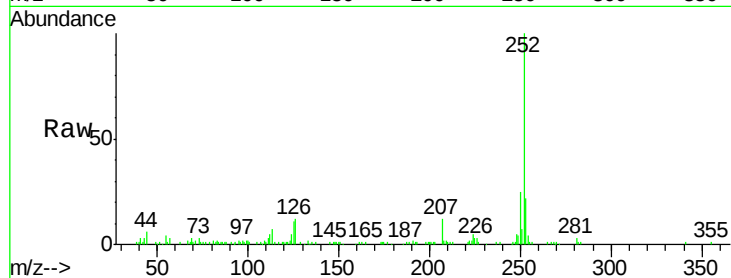
Tot Ion:252 Resp: 134897

Ion Ratio Lower Upper

252 100

253 22.0 18.1 27.1

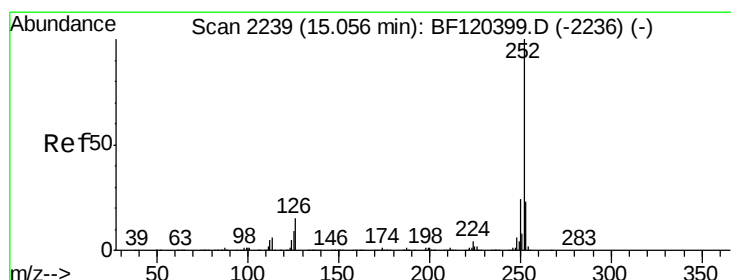
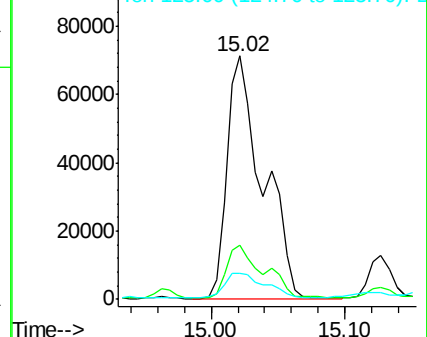
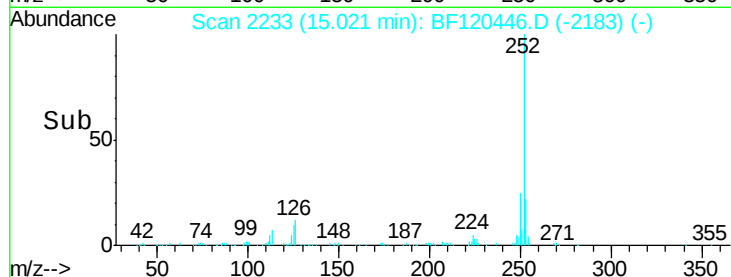
125 10.9 7.8 11.8



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: 4.523 ng

RT: 15.02 min Scan# 2233

Delta R.T. -0.04 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

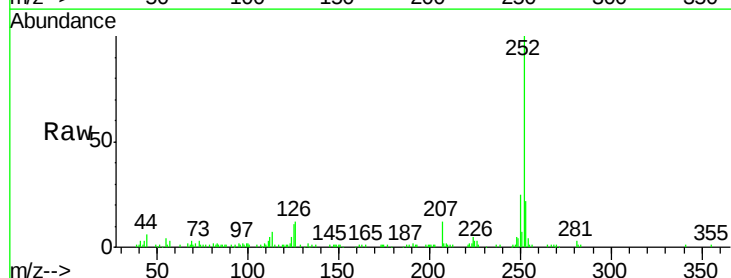
Tgt Ion:252 Resp: 134897

Ion Ratio Lower Upper

252 100

253 22.0 18.5 27.7

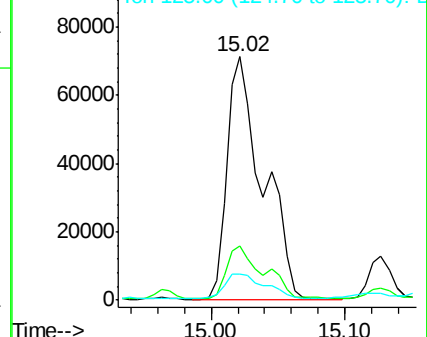
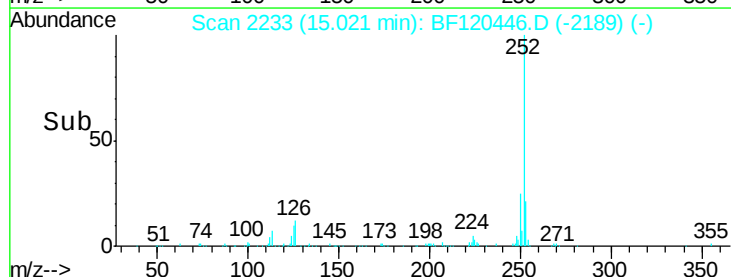
125 10.9 8.0 12.0

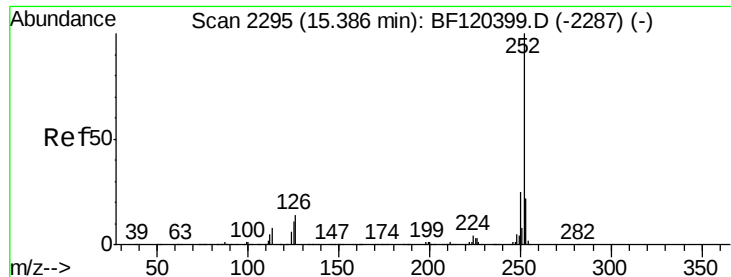


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 2.485 ng

RT: 15.38 min Scan# 2294

Delta R.T. -0.01 min

Lab File: BF120446.D

Acq: 29 May 2020 18:28

Instrument :

BNA_F

ClientSampleId :

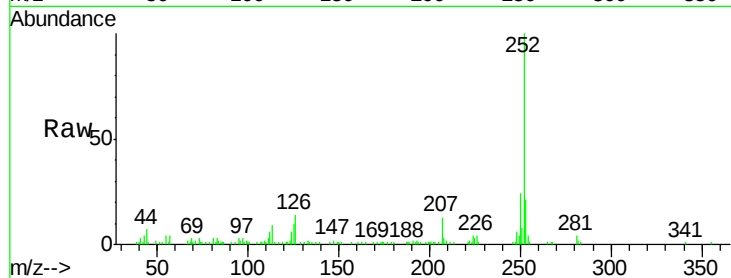
Tot Ion:252 Resp: 69437

Ion Ratio Lower Upper

252 100

253 21.2 17.4 26.0

125 10.4 8.7 13.1



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

