

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF052920\
 Data File : BF120459.D
 Acq On : 30 May 2020 00:23
 Operator : MA/SJ
 Sample : L2792-11 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

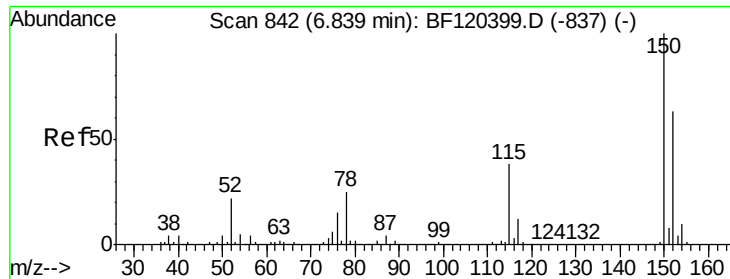
Quant Time: May 30 05:20:09 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF052820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 29 12:39:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	242973	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	865833	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	383724	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	602677	20.00	ng	0.00
76) Chrysene-d12	13.99	240	510832	20.00	ng	0.00
86) Perylene-d12	15.44	264	491907	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.45	112	294605	23.11	ng	0.00
7) Phenol-d6	6.46	99	366739	23.34	ng	-0.01
23) Nitrobenzene-d5	7.39	82	219619	16.59	ng	-0.01
42) 2,4,6-Tribromophenol	10.66	330	74614	20.99	ng	0.00
45) 2-Fluorobiphenyl	9.19	172	458304	20.26	ng	0.00
79) Terphenyl-d14	12.94	244	379966	16.55	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.39	70	28317	2.835	ng	# 80
25) Isophorone	7.39	82	219005	8.232	ng	# 64
50) Dimethylphthalate	9.59	163	61395	2.559	ng	98
51) 2,6-Dinitrotoluene	9.87	165	49482	9.282	ng	# 23
57) 2,4-Dinitrotoluene	9.87	165	49482	7.252	ng	# 22
71) Phenanthrene	11.38	178	55643	2.095	ng	96
75) Fluoranthene	12.57	202	138808	4.858	ng	96
78) Pyrene	12.80	202	131128	3.691	ng	97
81) Benzo(a)anthracene	13.99	228	81425	2.974	ng	97
83) Chrysene	14.02	228	74804	2.606	ng	97
88) Benzo(b)fluoranthene	15.02	252	127109	4.652	ng	97
89) Benzo(k)fluoranthene	15.02	252	127109	4.983	ng	97
90) Benzo(a)pyrene	15.38	252	63384	2.652	ng	# 96

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

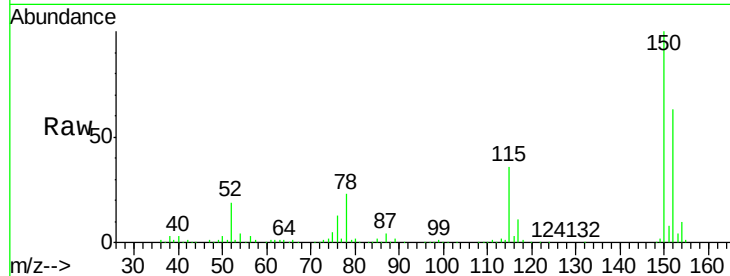


#1

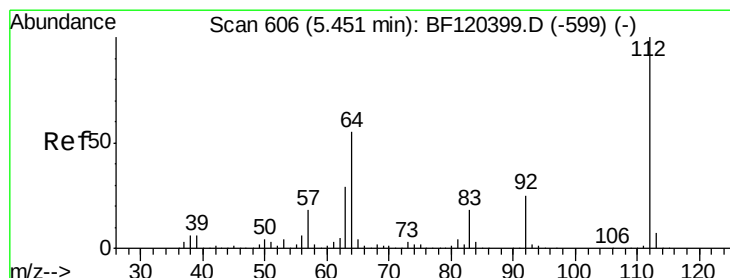
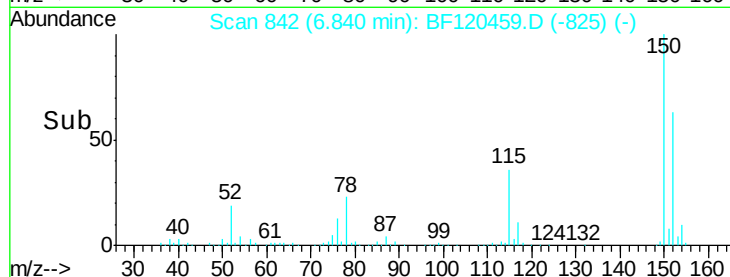
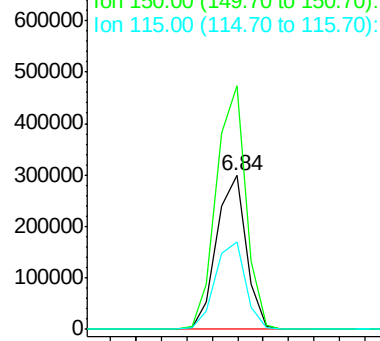
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.84 min Scan# 842
Delta R.T. 0.00 min
Lab File: BF120459.D
Acq: 30 May 2020 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 242973
Ion Ratio Lower Upper
152 100
150 158.1 126.5 189.7
115 56.6 47.6 71.4



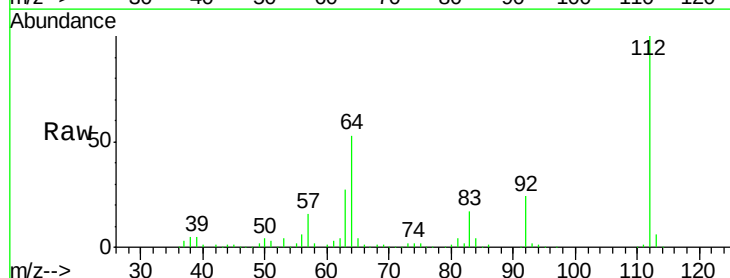
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



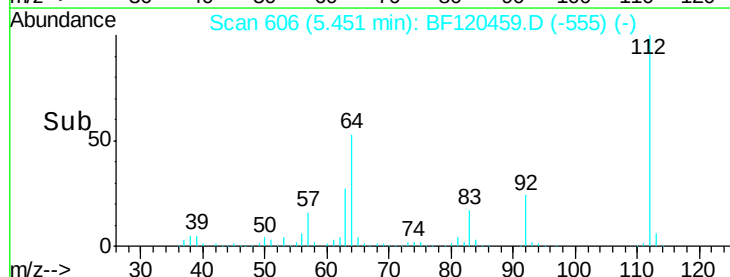
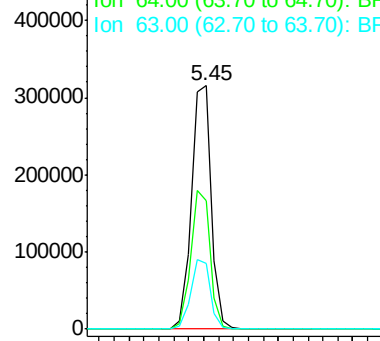
#5

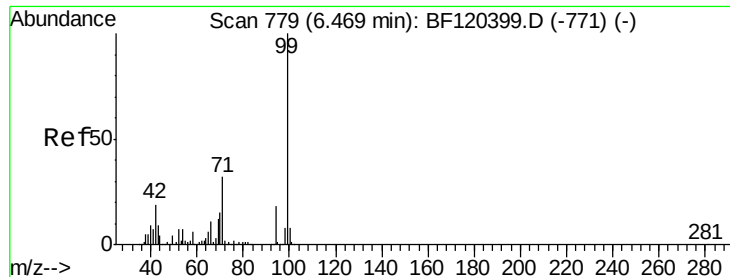
2-Fluorophenol
Concen: 23.107 ng
RT: 5.45 min Scan# 606
Delta R.T. 0.00 min
Lab File: BF120459.D
Acq: 30 May 2020 00:23

Tgt Ion:112 Resp: 294605
Ion Ratio Lower Upper
112 100
64 52.7 44.3 66.5
63 27.0 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: 23.337 ng

RT: 6.46 min Scan# 777

Delta R.T. -0.01 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

Instrument :

BNA_F

ClientSampleId :

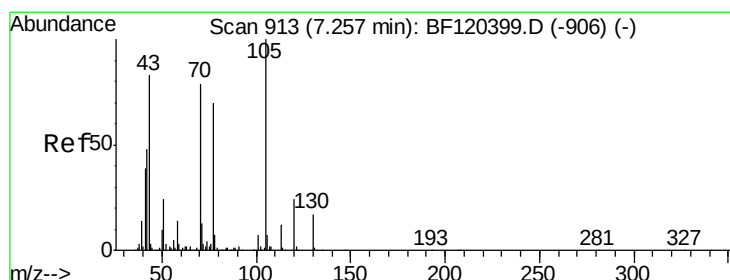
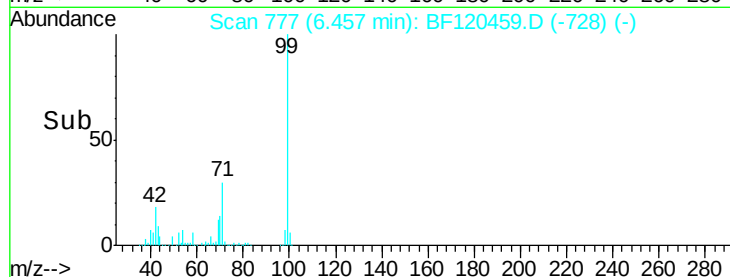
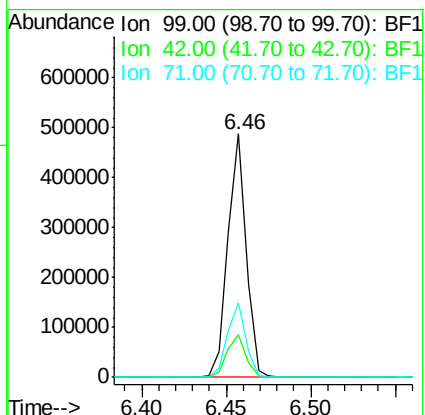
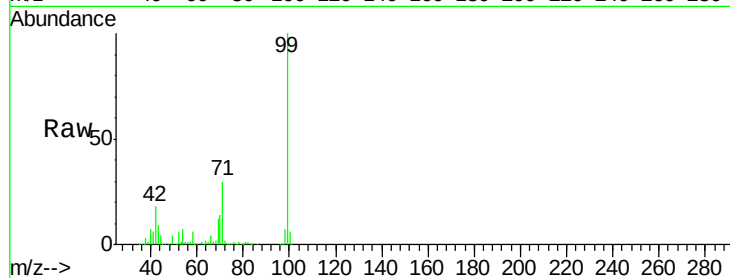
Tot Ion: 99 Resp: 366739

Ion Ratio Lower Upper

99 100

42 17.8 15.2 22.8

71 30.5 25.6 38.4



#19

n-Nitroso-di-n-propylamine

Concen: 2.835 ng

RT: 7.39 min Scan# 936

Delta R.T. 0.14 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

Tgt Ion: 70 Resp: 28317

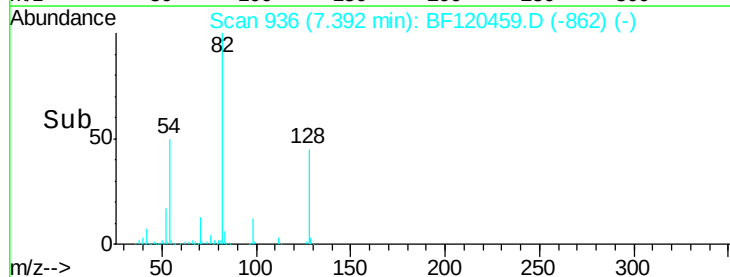
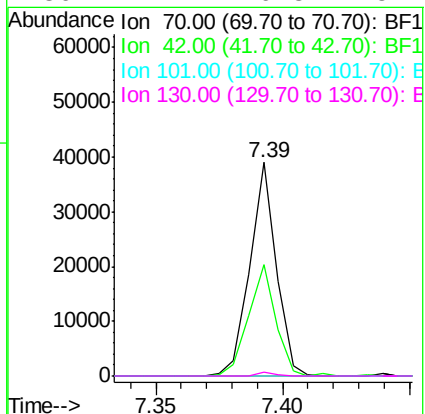
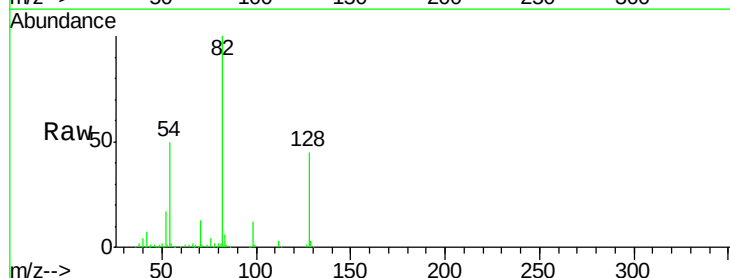
Ion Ratio Lower Upper

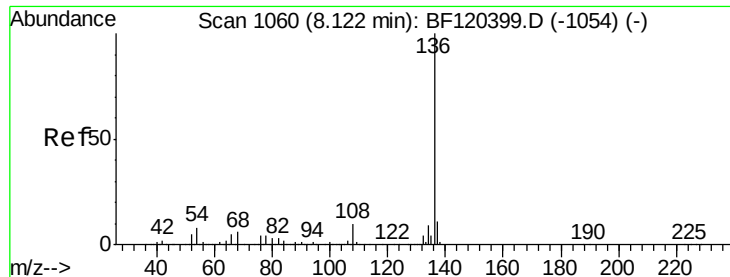
70 100

42 52.0 48.9 73.3

101 0.0 7.4 11.2#

130 2.1 16.8 25.2#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1060

Delta R.T. 0.00 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 865833

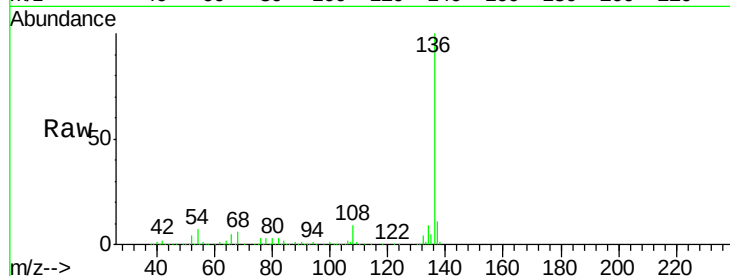
Ion Ratio Lower Upper

136 100

137 11.1 9.1 13.7

54 6.9 6.7 10.1

68 5.6 5.0 7.4

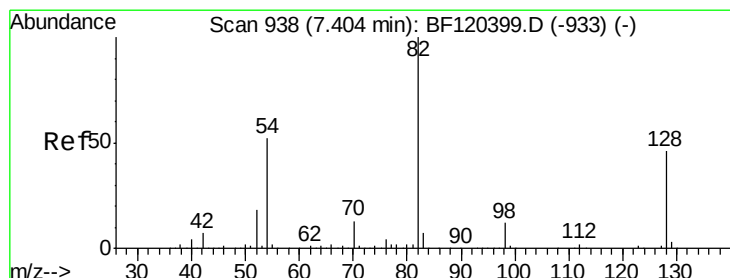
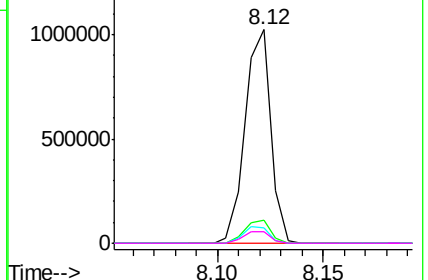
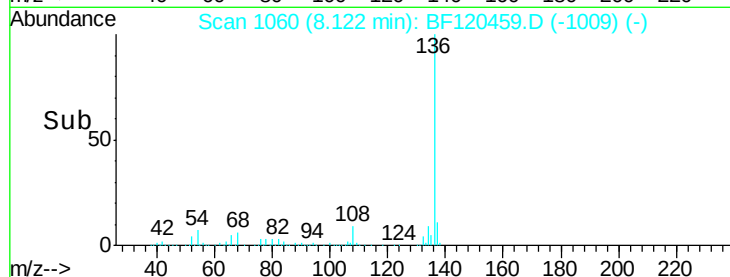


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.592 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.01 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

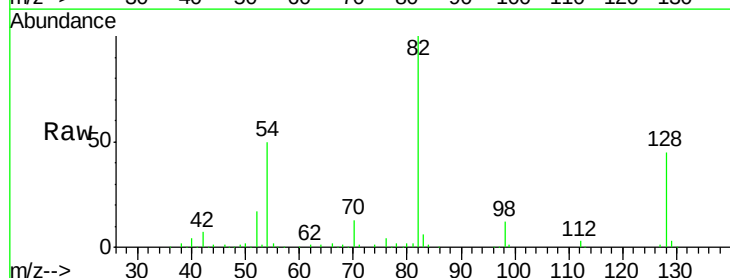
Tgt Ion: 82 Resp: 219619

Ion Ratio Lower Upper

82 100

128 45.0 36.8 55.2

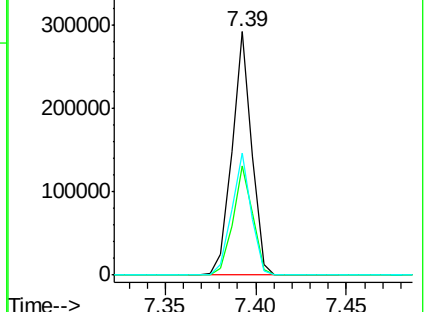
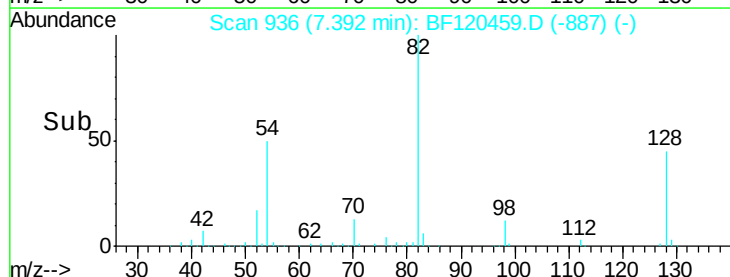
54 50.2 41.6 62.4

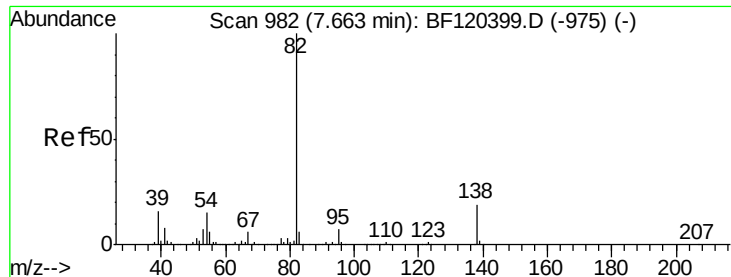


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 8.232 ng

RT: 7.39 min Scan# 936

Delta R.T. -0.27 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

Instrument :

BNA_F

ClientSampleId :

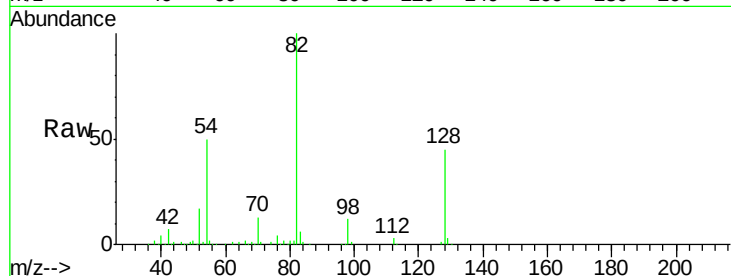
Tot Ion: 82 Resp: 219005

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

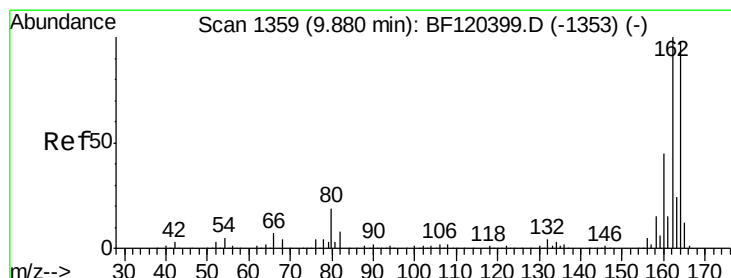
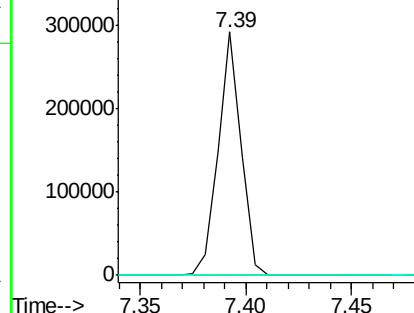
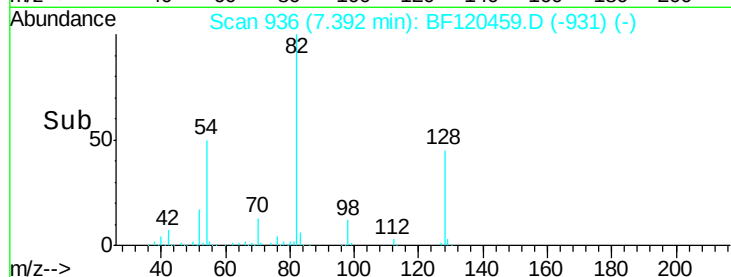
138 0.0 15.0 22.4#



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: BF120459.D

Acq: 30 May 2020 00:23

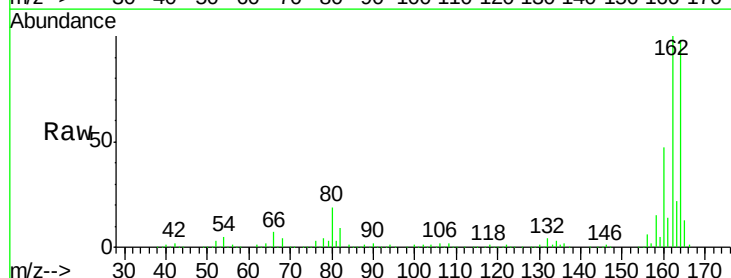
Tgt Ion: 164 Resp: 383724

Ion Ratio Lower Upper

164 100

162 101.6 81.3 121.9

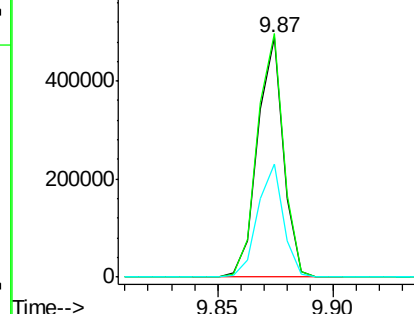
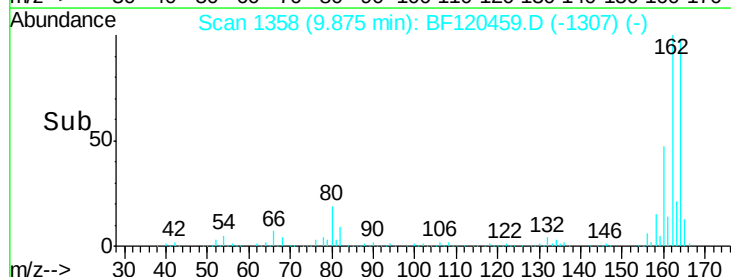
160 47.3 36.9 55.3

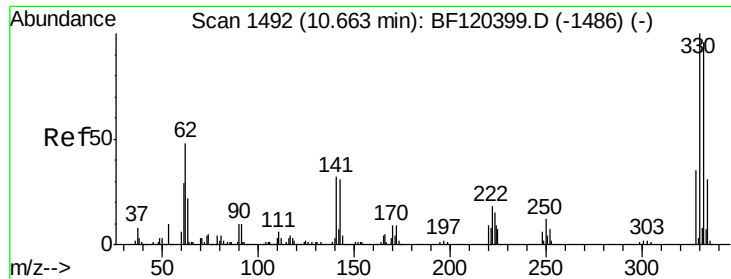


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

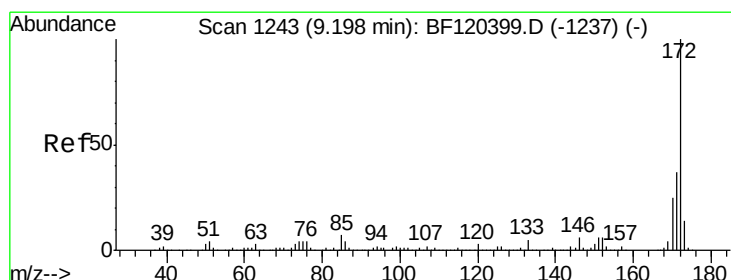
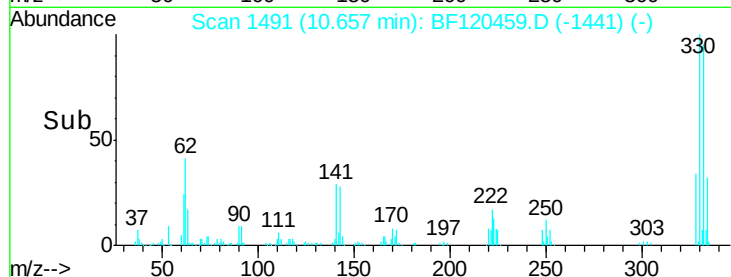
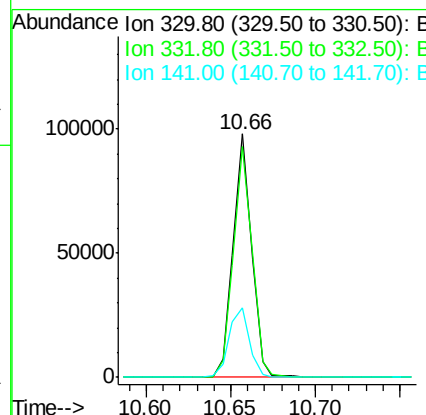
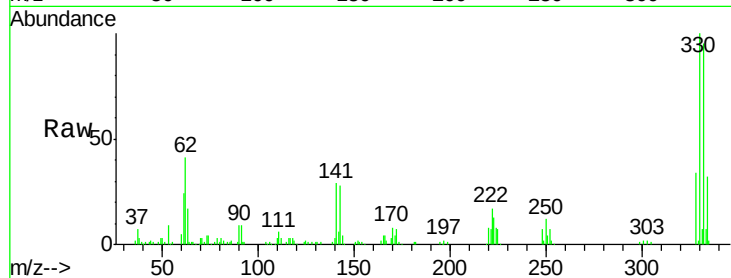




#42
 2,4,6-Tribromophenol
 Concen: 20.986 ng
 RT: 10.66 min Scan# 1491
 Delta R.T. -0.01 min
 Lab File: BF120459.D
 Acq: 30 May 2020 00:23

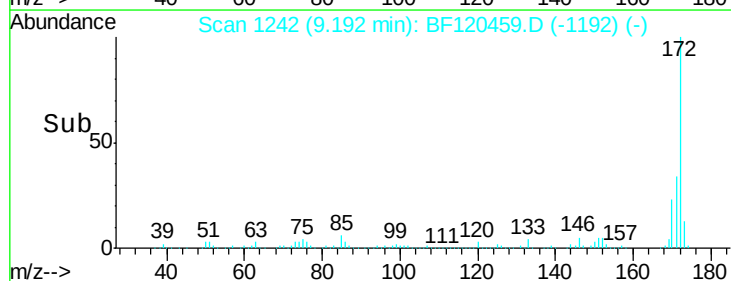
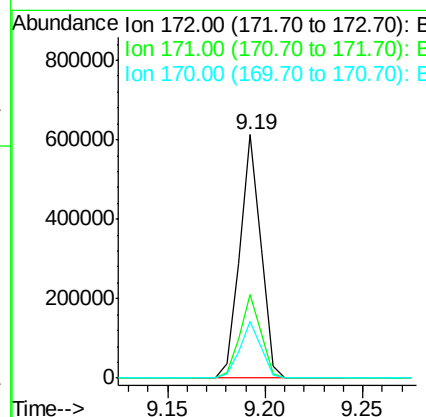
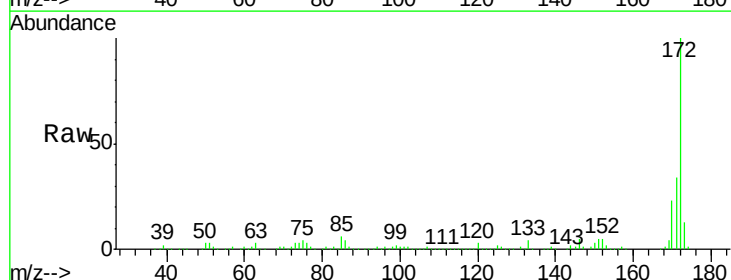
Instrument :
 BNA_F
 ClientSampleId :

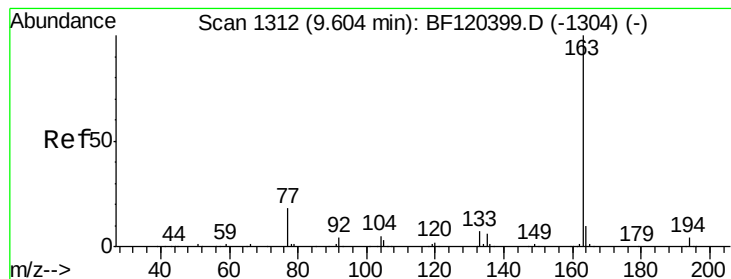
Tot Ion:330 Resp: 74614
 Ion Ratio Lower Upper
 330 100
 332 96.2 77.0 115.6
 141 31.4 25.3 37.9



#45
 2-Fluorobiphenyl
 Concen: 20.265 ng
 RT: 9.19 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF120459.D
 Acq: 30 May 2020 00:23

Tgt Ion:172 Resp: 458304
 Ion Ratio Lower Upper
 172 100
 171 34.3 29.7 44.5
 170 23.2 19.9 29.9





#50

Dimethylphthalate

Concen: 2.559 ng

RT: 9.59 min Scan# 1309

Delta R.T. -0.02 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

Instrument :

BNA_F

ClientSampleId :

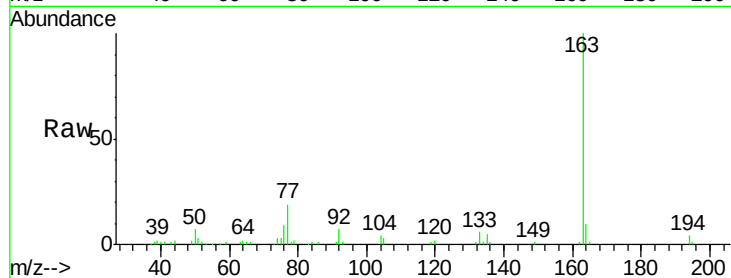
Tot Ion:163 Resp: 61395

Ion Ratio Lower Upper

163 100

194 4.0 3.3 4.9

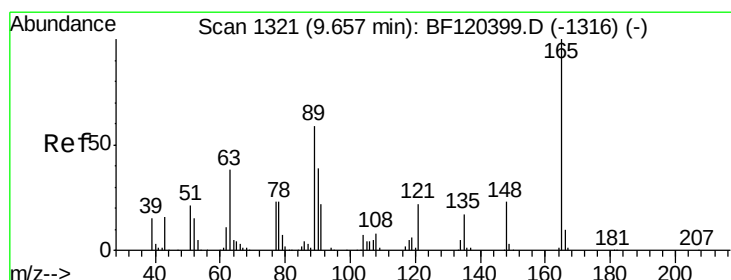
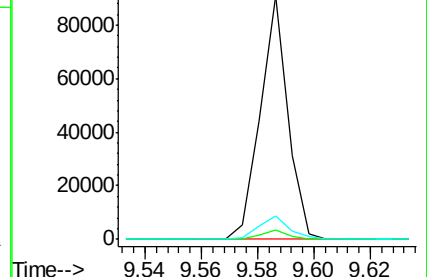
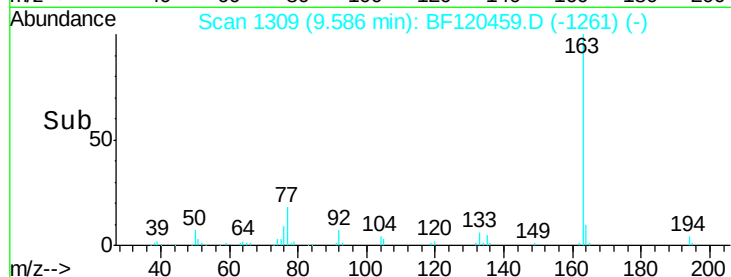
164 9.6 8.3 12.5



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



#51

2,6-Dinitrotoluene

Concen: 9.282 ng

RT: 9.87 min Scan# 1358

Delta R.T. 0.21 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

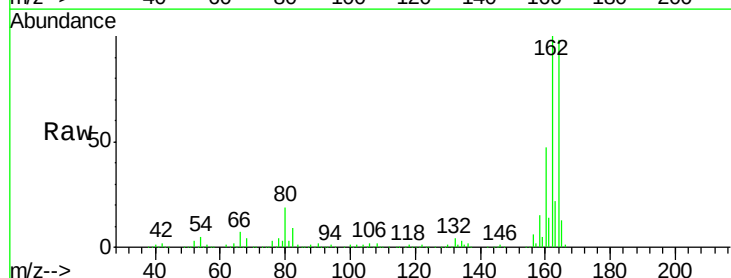
Tgt Ion:165 Resp: 49482

Ion Ratio Lower Upper

165 100

63 1.0 46.9 70.3#

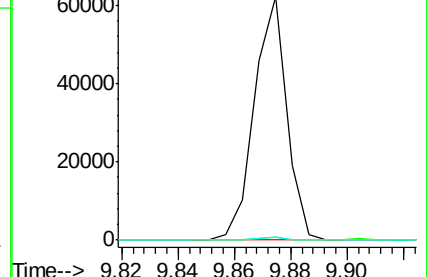
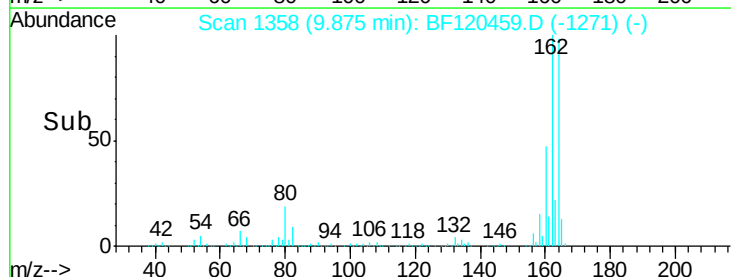
89 1.1 47.5 71.3#

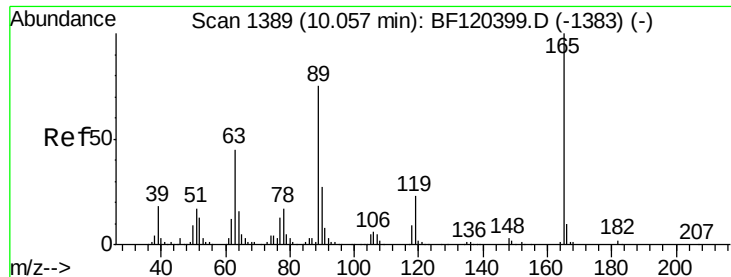


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

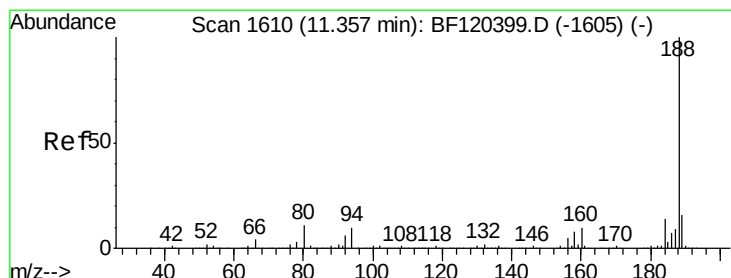
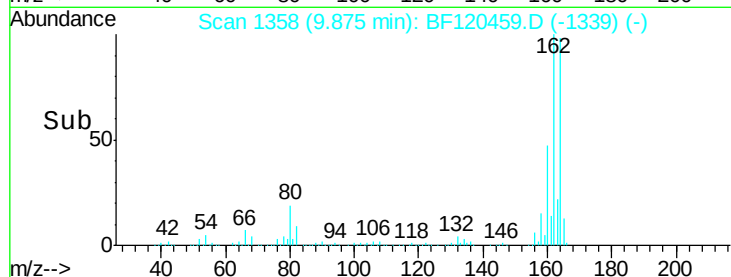
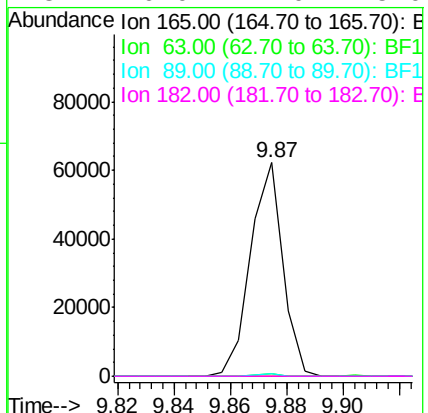
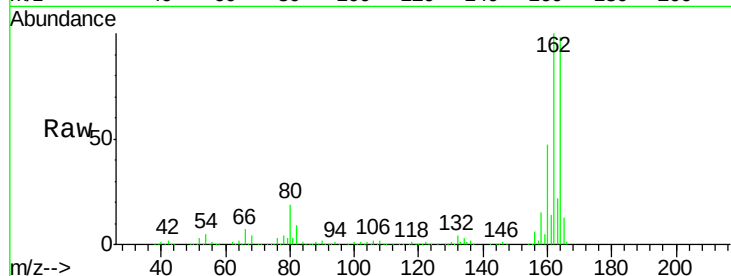




#57
 2,4-Dinitrotoluene
 Concen: 7.252 ng
 RT: 9.87 min Scan# 1358
 Delta R.T. -0.19 min
 Lab File: BF120459.D
 Acq: 30 May 2020 00:23

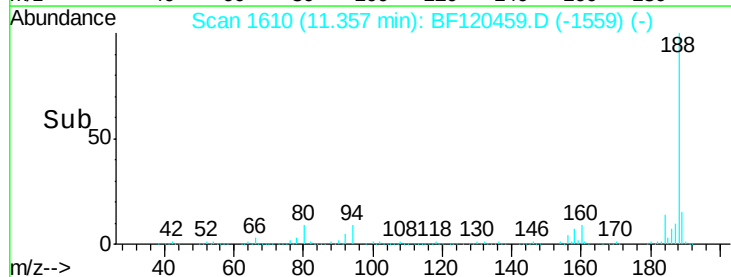
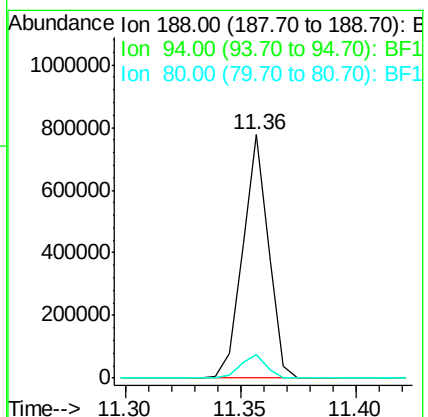
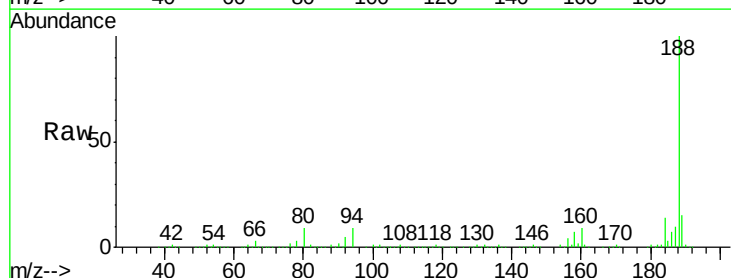
Instrument :
 BNA_F
 ClientSampleId :

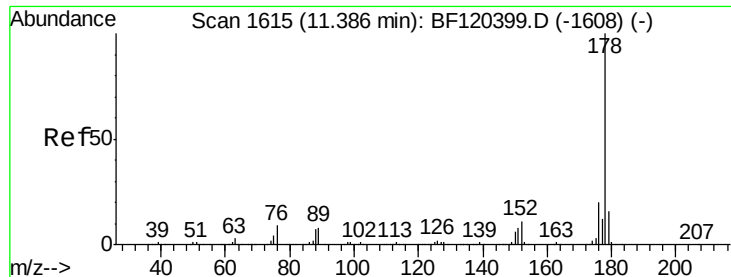
Tot Ion:165 Resp: 49482
 Ion Ratio Lower Upper
 165 100
 63 1.0 35.9 53.9#
 89 1.1 60.0 90.0#
 182 0.0 2.0 3.0#



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.36 min Scan# 1610
 Delta R.T. 0.00 min
 Lab File: BF120459.D
 Acq: 30 May 2020 00:23

Tgt Ion:188 Resp: 602677
 Ion Ratio Lower Upper
 188 100
 94 9.4 7.9 11.9
 80 9.5 8.6 13.0





#71

Phenanthrene

Concen: 2.095 ng

RT: 11.38 min Scan# 1614

Delta R.T. -0.01 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

Instrument :

BNA_F

ClientSampleId :

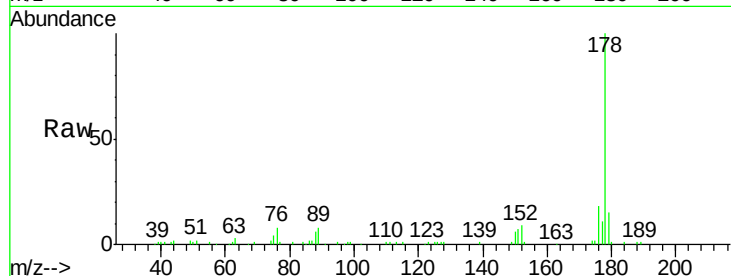
Tot Ion:178 Resp: 55643

Ion Ratio Lower Upper

178 100

176 18.4 16.4 24.6

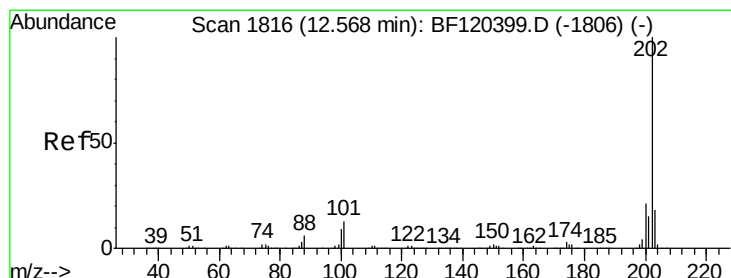
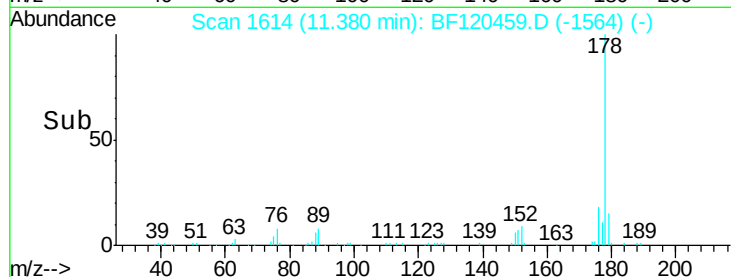
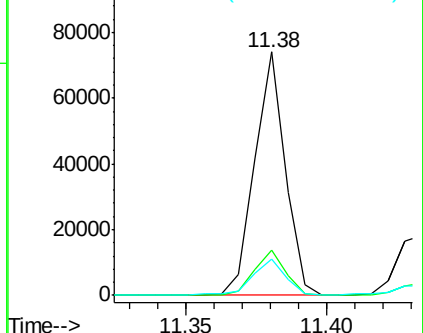
179 15.0 13.0 19.4



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: 4.858 ng

RT: 12.57 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

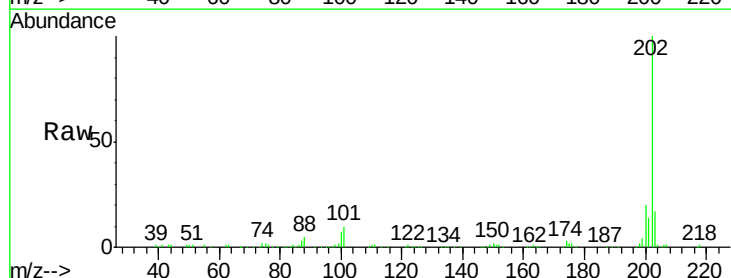
Tgt Ion:202 Resp: 138808

Ion Ratio Lower Upper

202 100

101 10.0 0.0 32.6

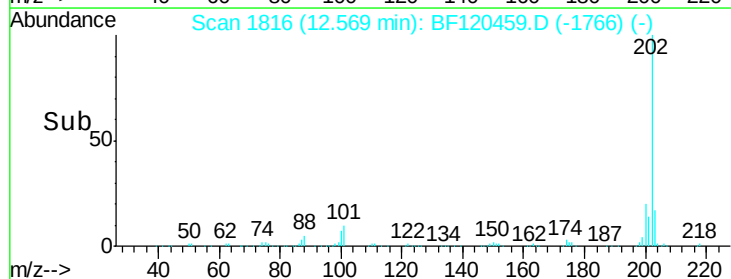
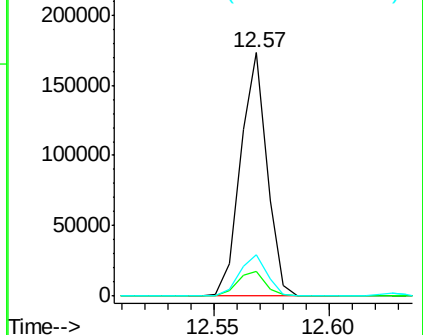
203 17.1 0.0 38.4

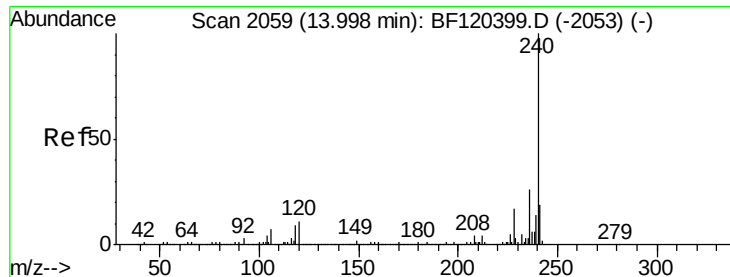


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF120459.D

Acq: 30 May 2020 00:23

Instrument :

BNA_F

ClientSampleId :

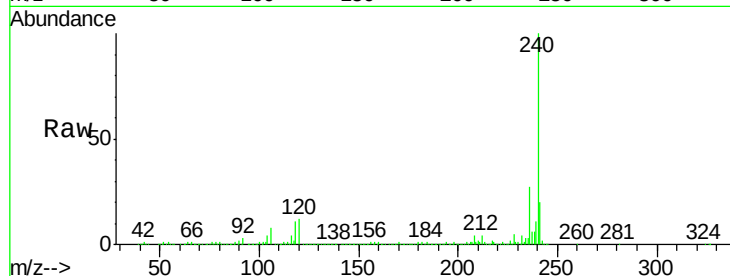
Tot Ion:240 Resp: 510832

Ion Ratio Lower Upper

240 100

120 12.2 8.8 13.2

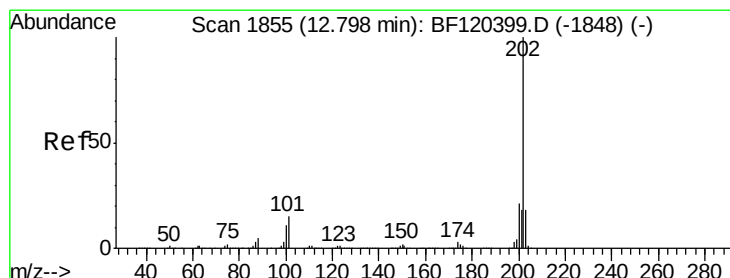
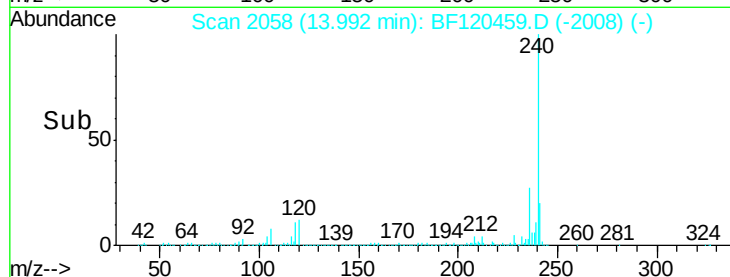
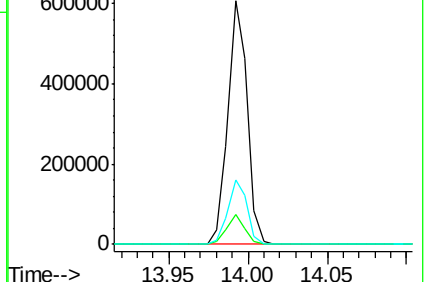
236 26.5 21.0 31.4



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: 3.691 ng

RT: 12.80 min Scan# 1855

Delta R.T. 0.00 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

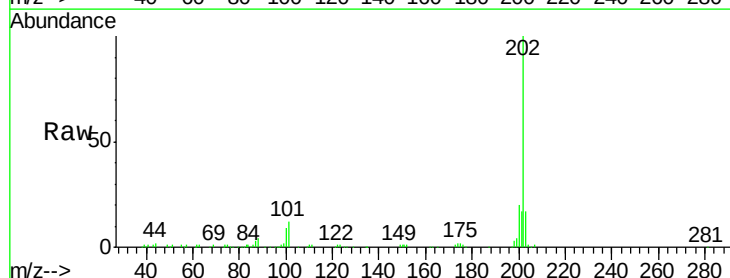
Tgt Ion:202 Resp: 131128

Ion Ratio Lower Upper

202 100

200 19.9 17.0 25.4

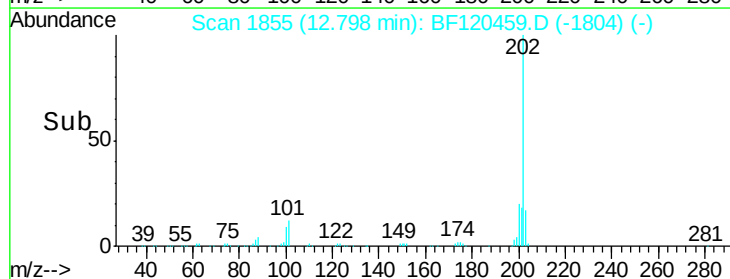
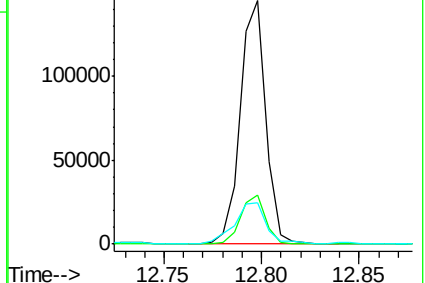
203 17.2 14.7 22.1

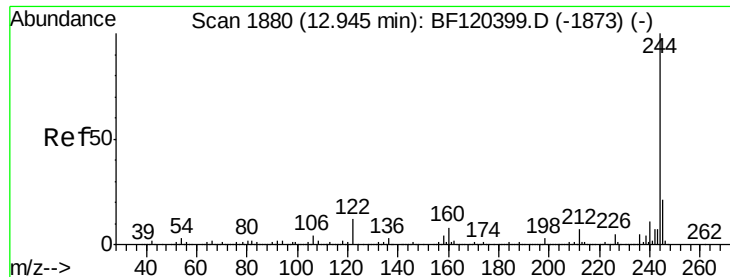


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 16.552 ng

RT: 12.94 min Scan# 1879

Delta R.T. -0.01 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

Instrument :

BNA_F

ClientSampleId :

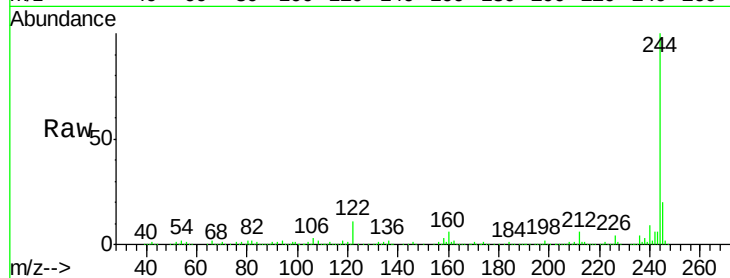
Tot Ion:244 Resp: 379966

Ion Ratio Lower Upper

244 100

212 6.4 5.9 8.9

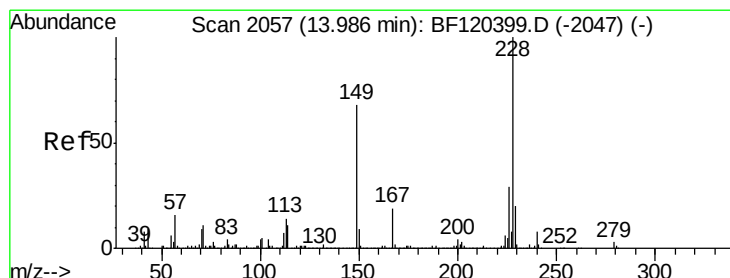
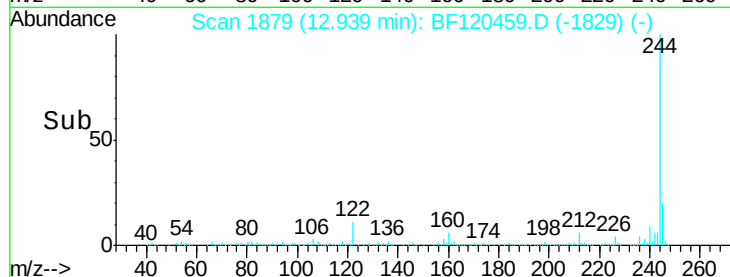
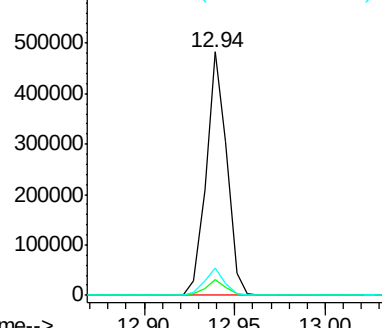
122 11.1 9.2 13.8



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: 2.974 ng

RT: 13.99 min Scan# 2057

Delta R.T. 0.00 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

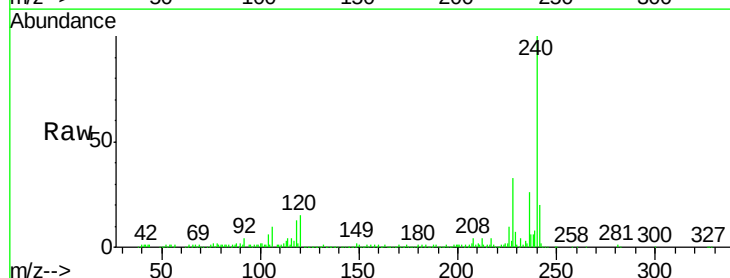
Tgt Ion:228 Resp: 81425

Ion Ratio Lower Upper

228 100

226 30.9 23.0 34.4

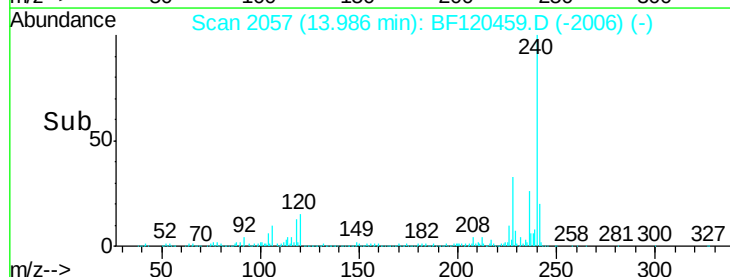
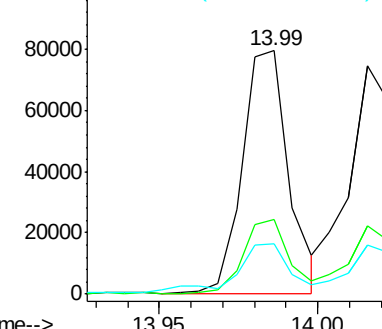
229 20.4 16.2 24.4

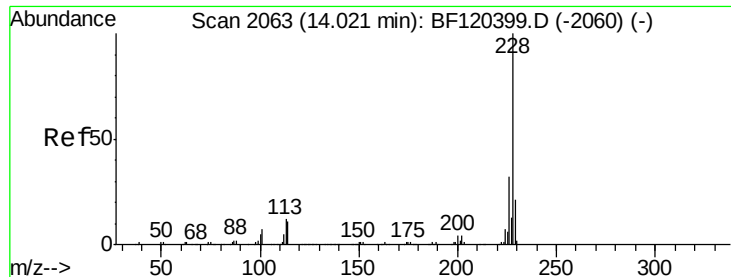


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

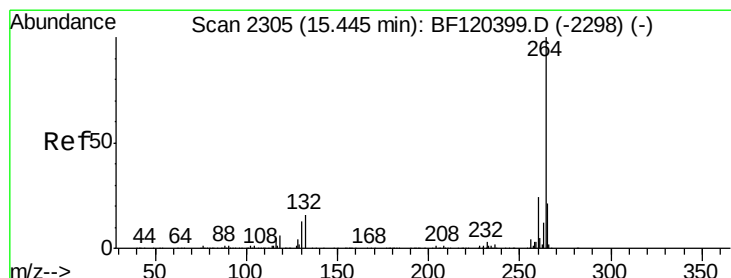
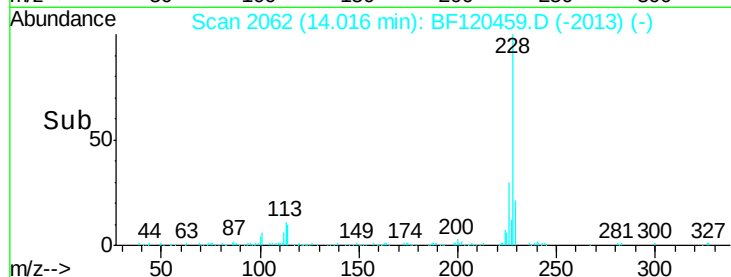
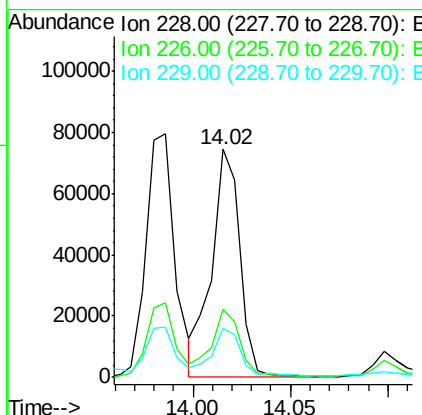
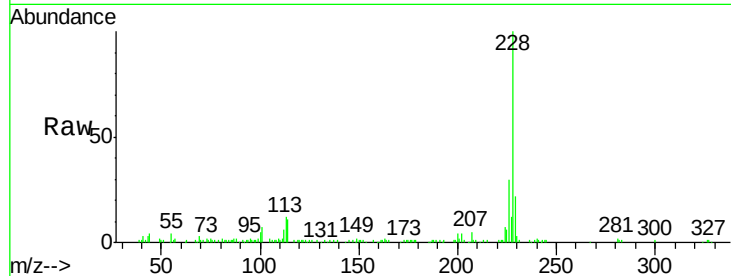




#83
Chrysene
Concen: 2.606 ng
RT: 14.02 min Scan# 2062
Delta R.T. -0.01 min
Lab File: BF120459.D
Acq: 30 May 2020 00:23

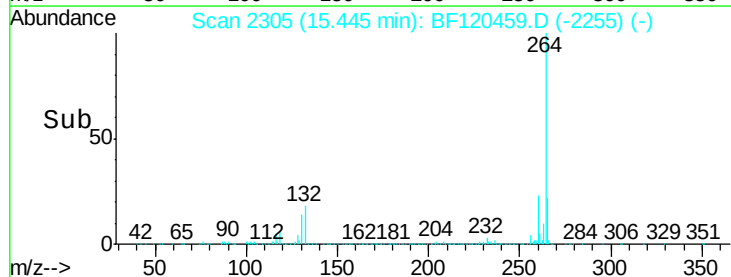
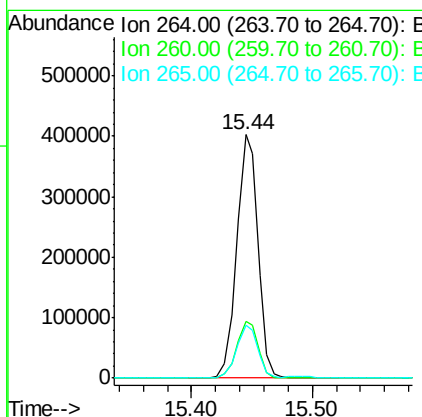
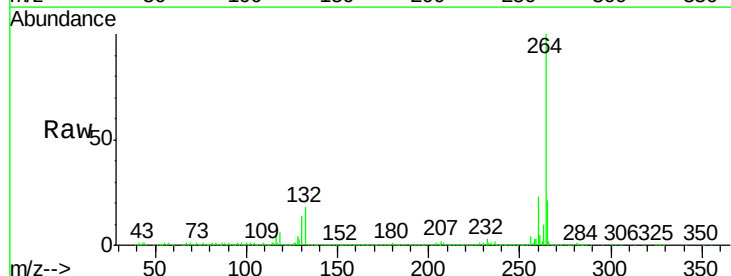
Instrument :
BNA_F
ClientSampleId :

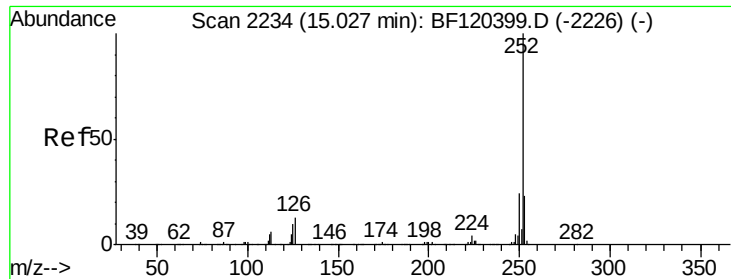
Tot Ion:228 Resp: 74804
Ion Ratio Lower Upper
228 100
226 30.1 25.6 38.4
229 21.7 16.6 25.0



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.44 min Scan# 2305
Delta R.T. -0.01 min
Lab File: BF120459.D
Acq: 30 May 2020 00:23

Tgt Ion:264 Resp: 491907
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.5 16.9 25.3

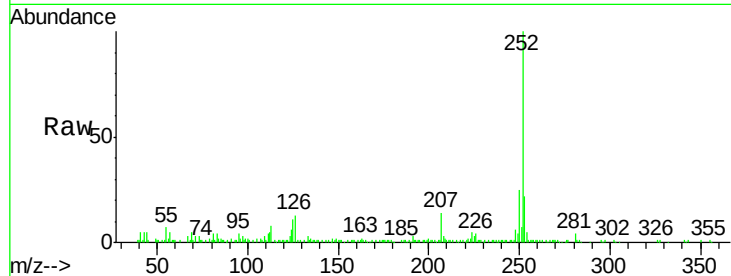




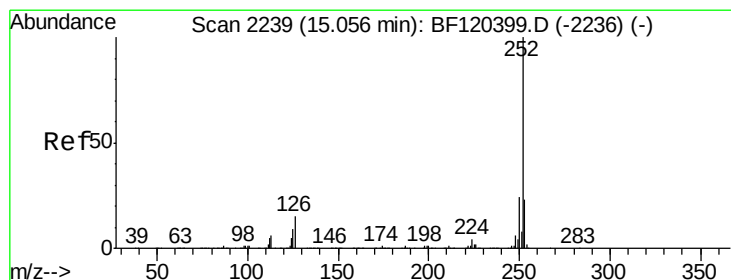
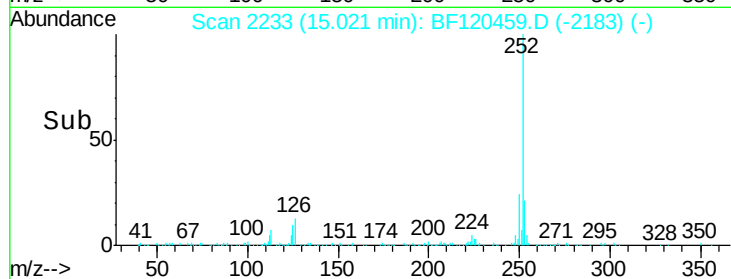
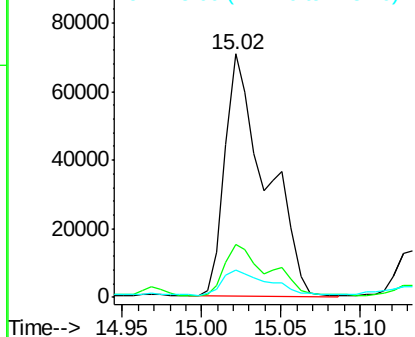
#88
Benzo(b)fluoranthene
Concen: 4.652 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.01 min
Lab File: BF120459.D
Acq: 30 May 2020 00:23

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.1	27.1
125	11.2	7.8	11.8

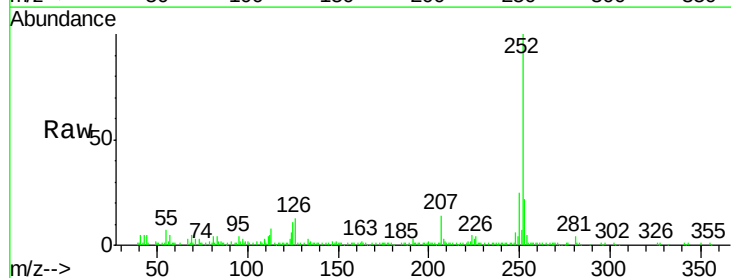


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

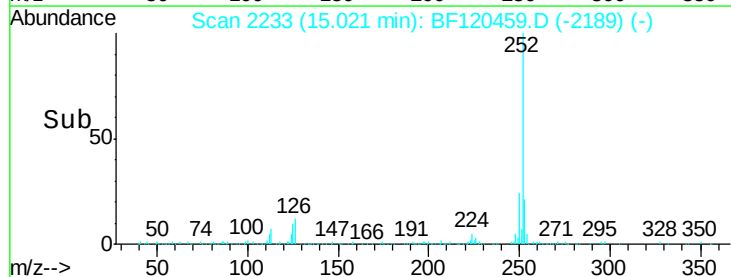
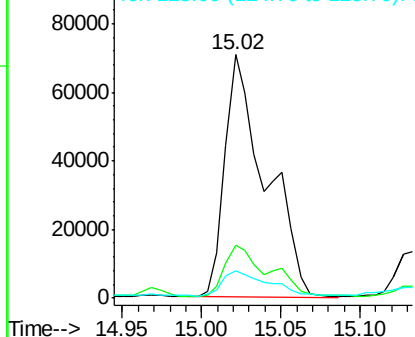


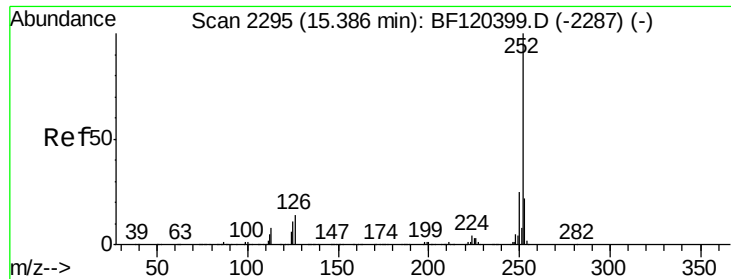
#89
Benzo(k)fluoranthene
Concen: 4.983 ng
RT: 15.02 min Scan# 2233
Delta R.T. -0.04 min
Lab File: BF120459.D
Acq: 30 May 2020 00:23

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	18.5	27.7
125	11.2	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: 2.652 ng

RT: 15.38 min Scan# 2294

Delta R.T. -0.01 min

Lab File: BF120459.D

Acq: 30 May 2020 00:23

Instrument :

BNA_F

ClientSampleId :

Tot Ion:252 Resp: 63384

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

125 13.4 8.7 13.1#

