

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040320\
 Data File : BF119758.D
 Acq On : 4 Apr 2020 11:12
 Operator : MA/SJ
 Sample : L2100-08
 Misc :
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 239-020304-0-11

Quant Time: Apr 06 00:31:28 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

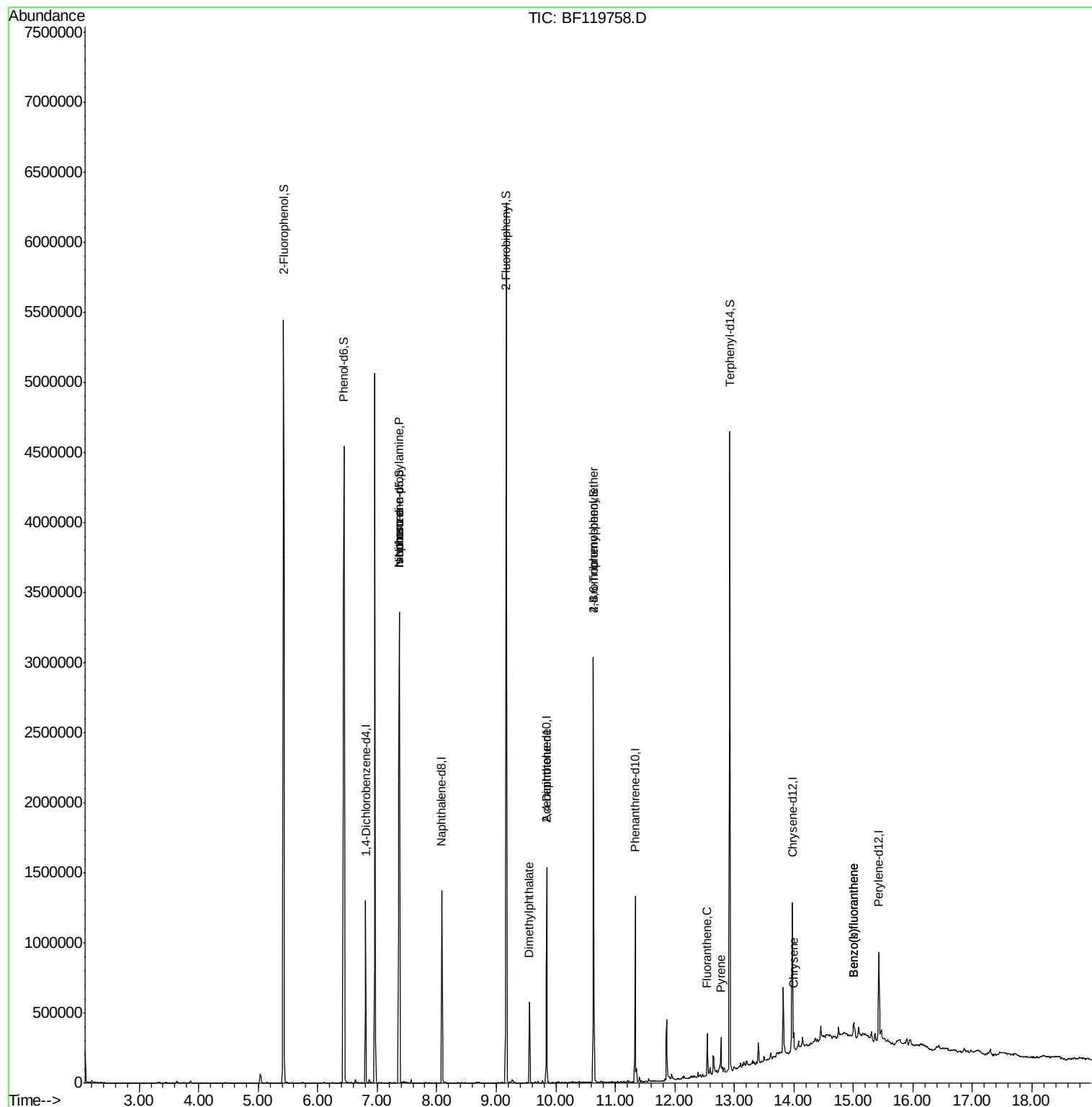
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	173438	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	620199	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	271880	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	438157	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	339280	20.00	ng	-0.02
87) Perylene-d12	15.43	264	293789	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1581254	145.14	ng	0.01
7) Phenol-d6	6.44	99	1966897	141.32	ng	0.00
23) Nitrobenzene-d5	7.37	82	1179928	103.40	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	394454	140.63	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	1969199	107.30	ng	-0.01
79) Terphenyl-d14	12.92	244	1638201	94.60	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	153213	18.26	ng	# 75
25) Isophorone	7.37	82	1179907	50.97	ng	# 65
50) Dimethylphthalate	9.56	163	240315	12.44	ng	98
57) 2,4-Dinitrotoluene	9.85	165	35143	6.74	ng	# 19
67) 4-Bromophenyl-phenylether	10.63	248	23775	4.76	ng	# 1
75) Fluoranthene	12.54	202	112717	4.58	ng	96
78) Pyrene	12.77	202	98701	3.54	ng	96
83) Chrysene	14.00	228	47070	2.07	ng	94
88) Benzo(b)fluoranthene	15.00	252	69525	3.54	ng	# 90
89) Benzo(k)fluoranthene	15.00	252	69525	3.72	ng	# 92

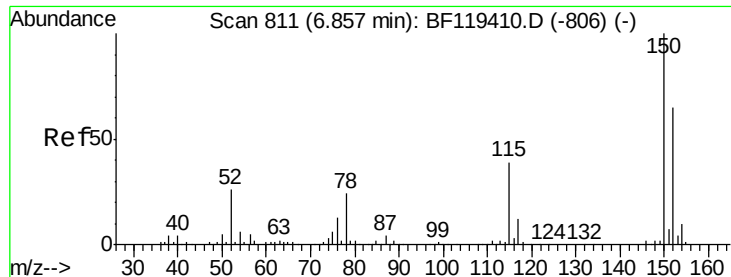
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF119758.D

Acq: 4 Apr 2020 11:12

Instrument :

BNA_F

ClientSampleId :

239-020304-0-11

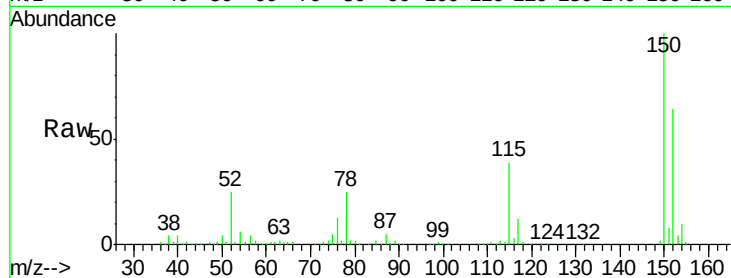
Tgt Ion:152 Resp: 173438

Ion Ratio Lower Upper

152 100

150 156.4 124.5 186.7

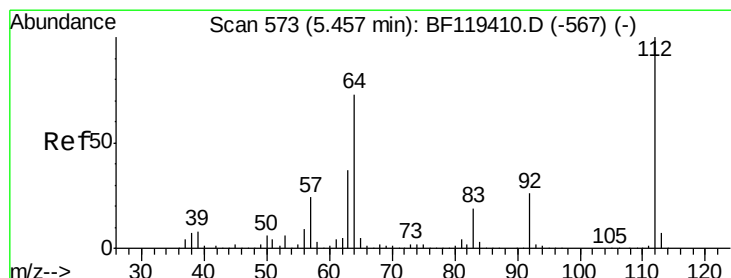
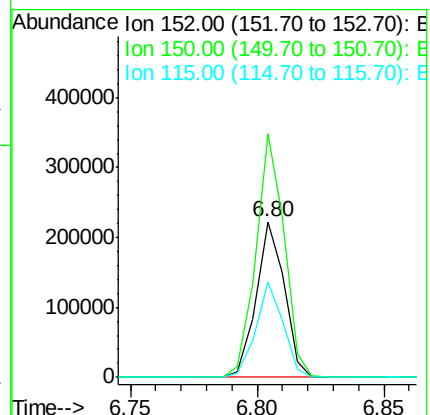
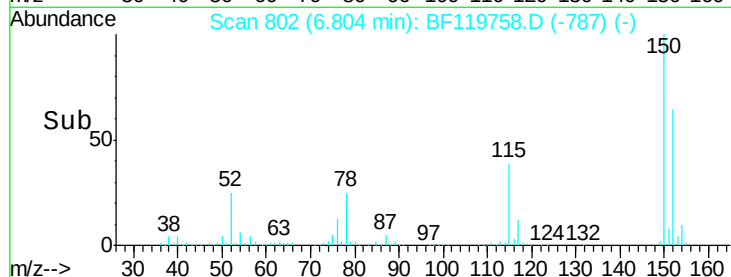
115 60.8 49.6 74.4



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: 145.14 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF119758.D

Acq: 4 Apr 2020 11:12

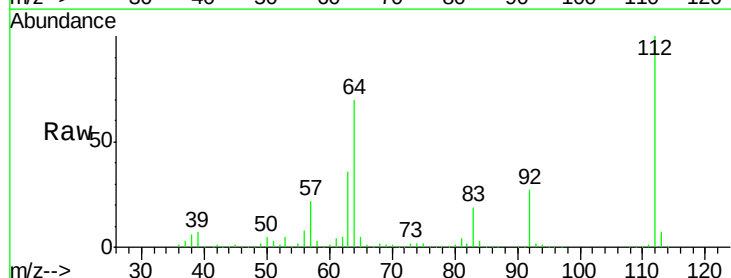
Tgt Ion:112 Resp: 1581254

Ion Ratio Lower Upper

112 100

64 69.9 56.7 85.1

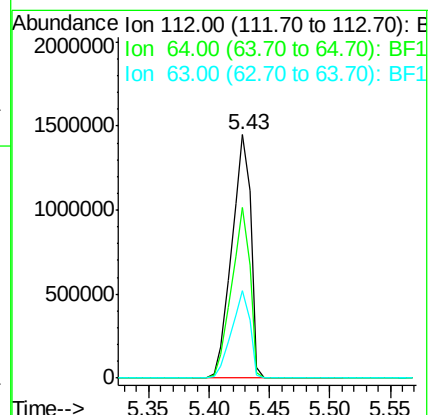
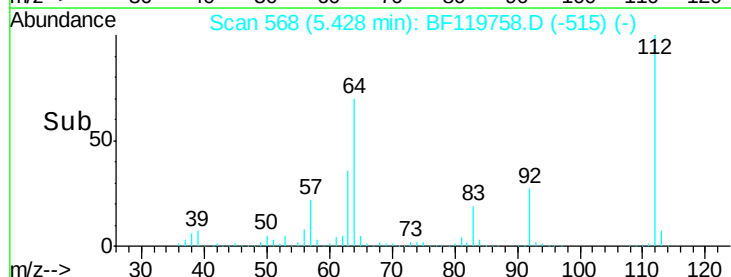
63 35.8 29.5 44.3

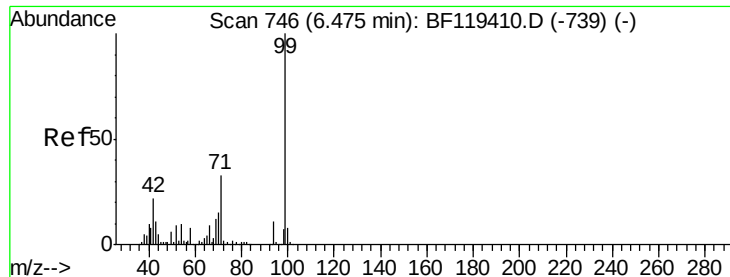


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 141.32 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119758.D

Acq: 4 Apr 2020 11:12

Instrument :

BNA_F

ClientSampleId :

239-020304-0-11

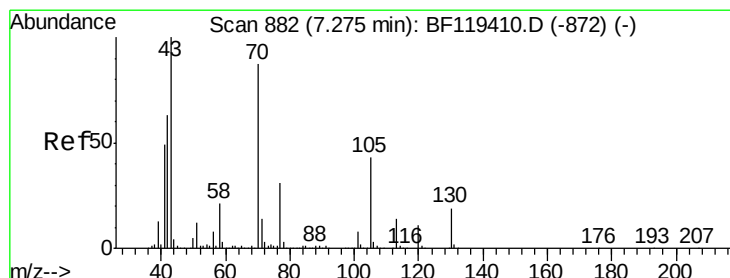
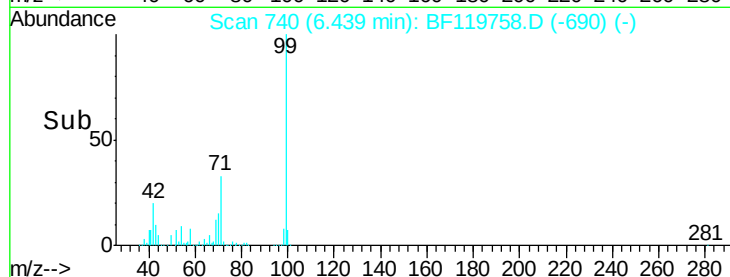
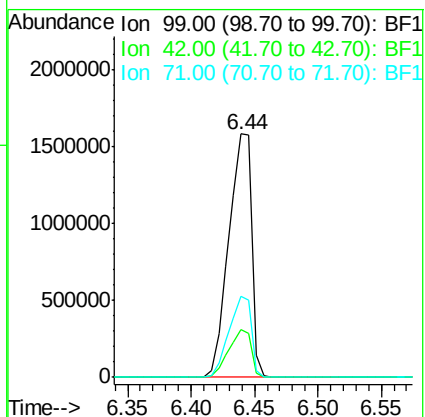
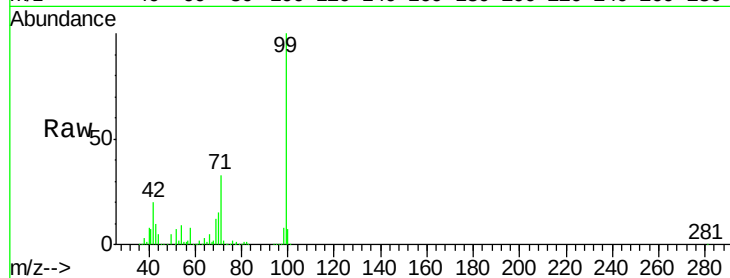
Tgt Ion: 99 Resp: 1966897

Ion Ratio Lower Upper

99 100

42 19.6 16.6 24.8

71 33.2 26.4 39.6



#19

n-Nitroso-di-n-propylamine

Concen: 18.26 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.14 min

Lab File: BF119758.D

Acq: 4 Apr 2020 11:12

Tgt Ion: 70 Resp: 153213

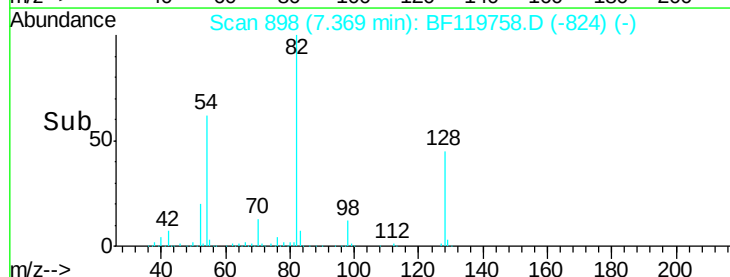
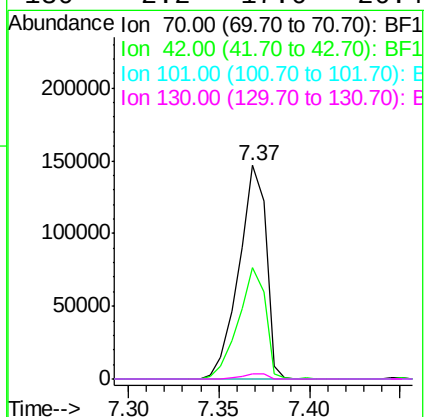
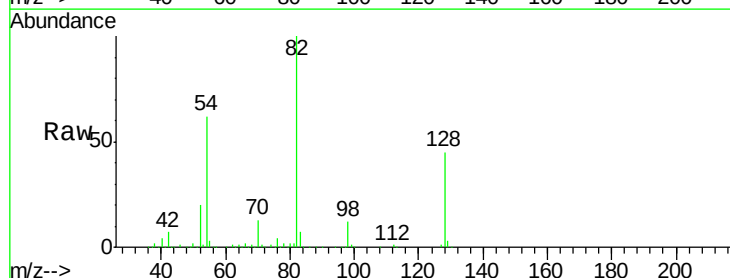
Ion Ratio Lower Upper

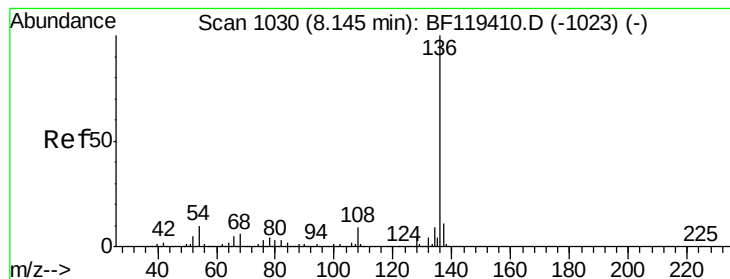
70 100

42 51.9 54.5 81.7#

101 0.0 7.6 11.4#

130 2.2 17.6 26.4#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF119758.D

Acq: 4 Apr 2020 11:12

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:136 Resp: 620199

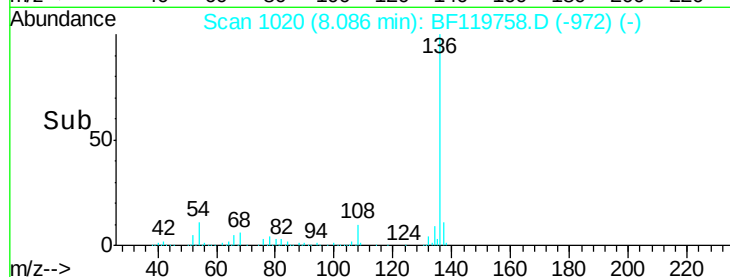
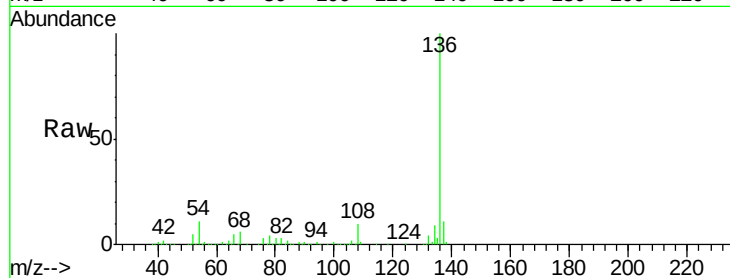
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 11.0 9.1 13.7

68 6.3 4.6 6.8

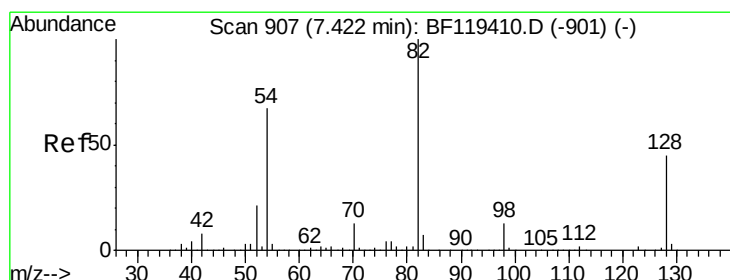
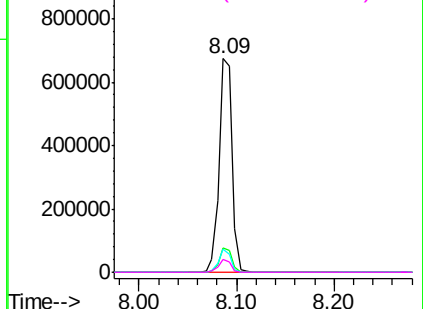


Abundance Ion 136.00 (135.70 to 136.70): E

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: 103.40 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF119758.D

Acq: 4 Apr 2020 11:12

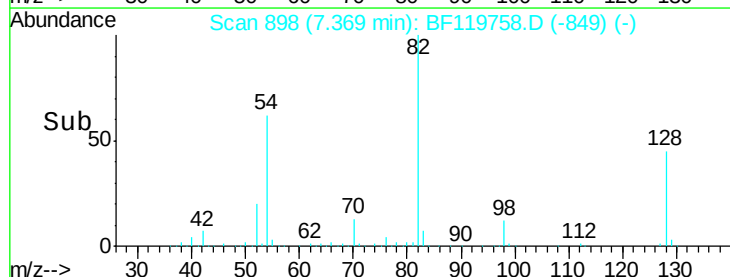
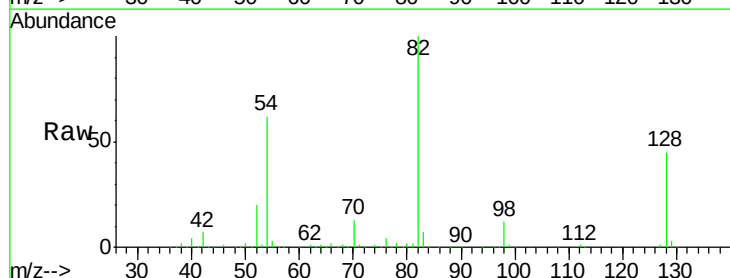
Tgt Ion: 82 Resp: 1179928

Ion Ratio Lower Upper

82 100

128 44.8 36.3 54.5

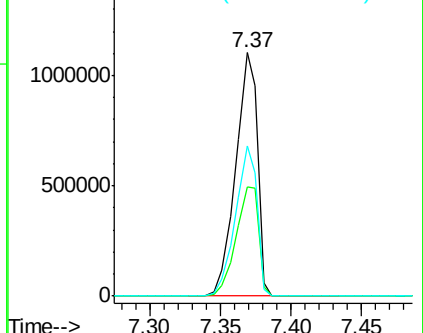
54 61.7 50.6 75.8

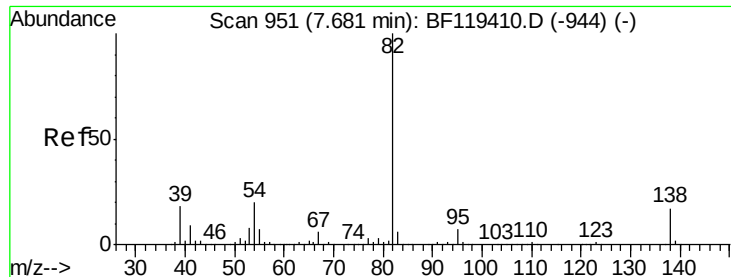


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

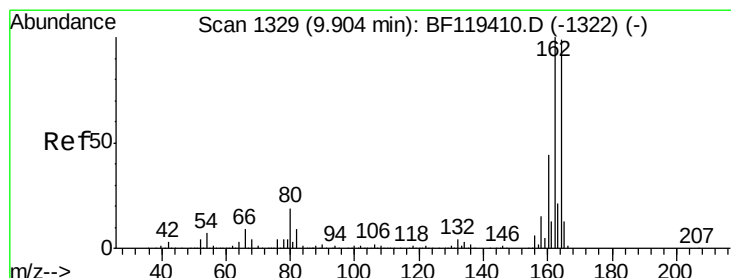
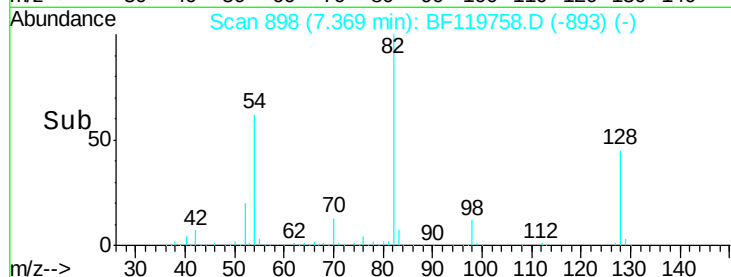
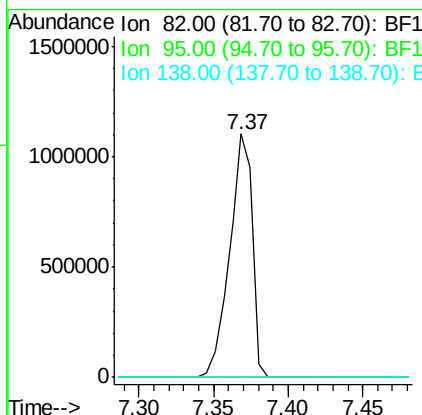
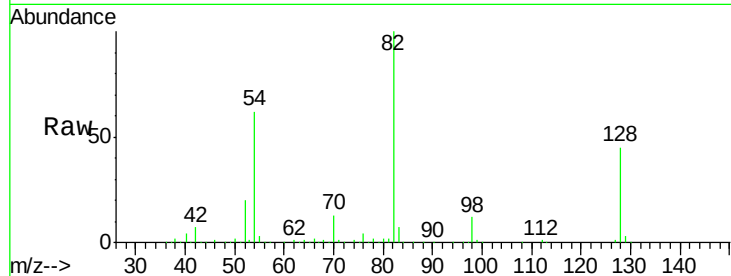




#25
Isophorone
Concen: 50.97 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.27 min
Lab File: BF119758.D
Acq: 4 Apr 2020 11:12

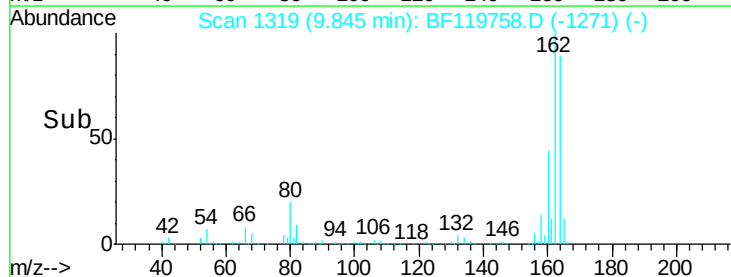
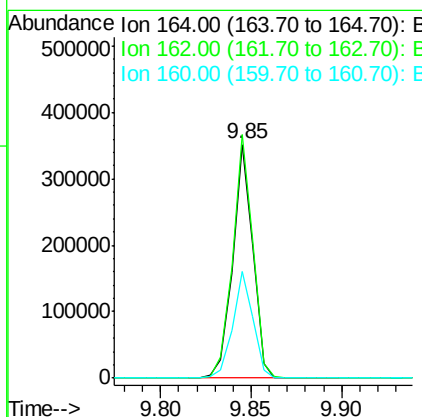
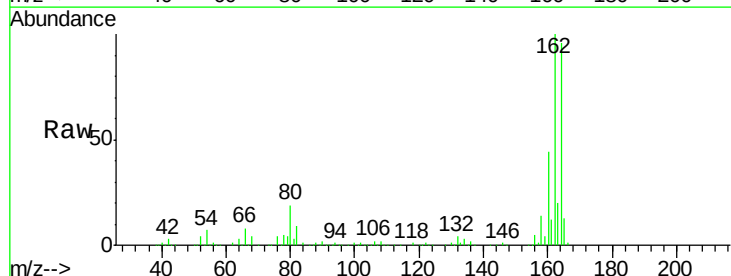
Instrument :
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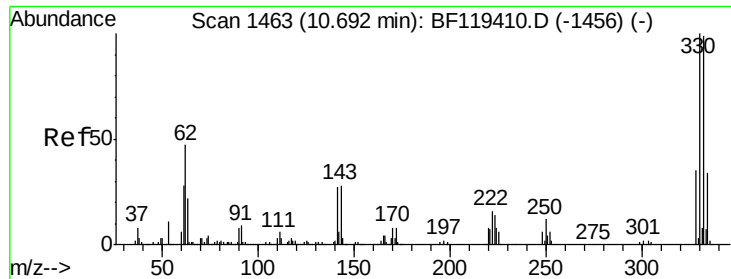
Tgt Ion: 82 Resp: 1179907
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 14.6 21.8#



#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.85 min Scan# 1319
Delta R.T. -0.02 min
Lab File: BF119758.D
Acq: 4 Apr 2020 11:12

Tgt Ion: 164 Resp: 271880
Ion Ratio Lower Upper
164 100
162 104.1 80.6 121.0
160 45.5 35.7 53.5





#42

2,4,6-Tribromophenol

Concen: 140.63 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.01 min

Lab File: BF119758.D

Acq: 4 Apr 2020 11:12

Instrument :

BNA_F

ClientSampleId :

239-020304-0-11

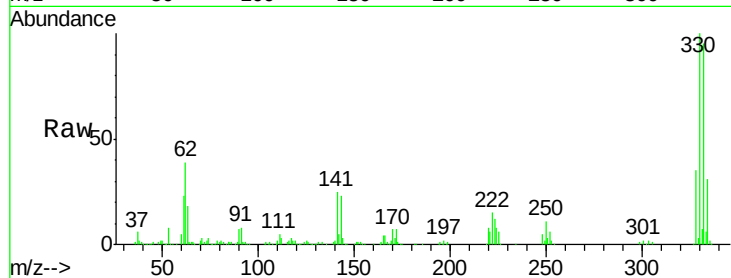
Tgt Ion:330 Resp: 394454

Ion Ratio Lower Upper

330 100

332 96.5 75.7 113.5

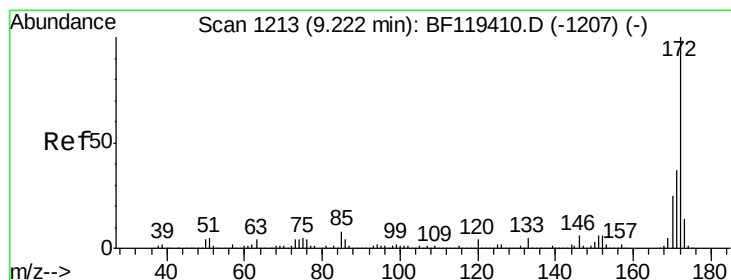
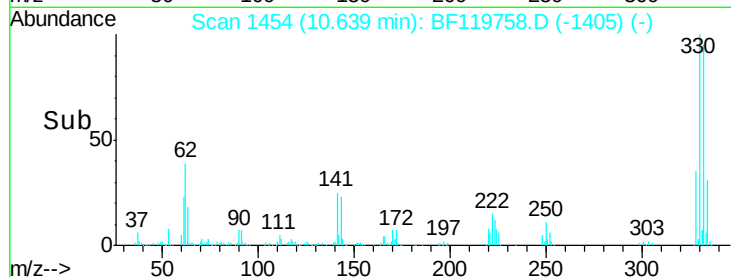
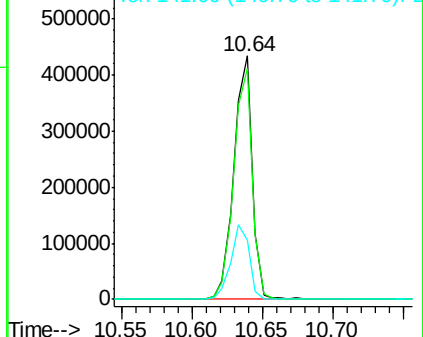
141 31.1 25.4 38.0



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: 107.30 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF119758.D

Acq: 4 Apr 2020 11:12

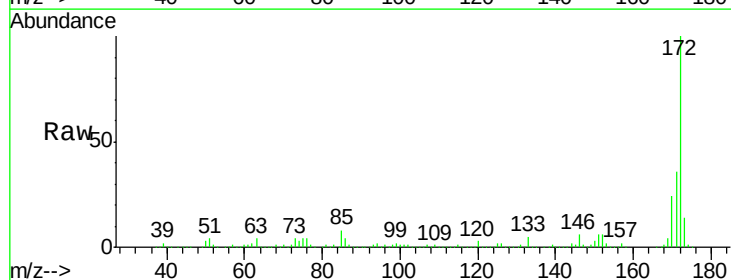
Tgt Ion:172 Resp: 1969199

Ion Ratio Lower Upper

172 100

171 36.5 29.6 44.4

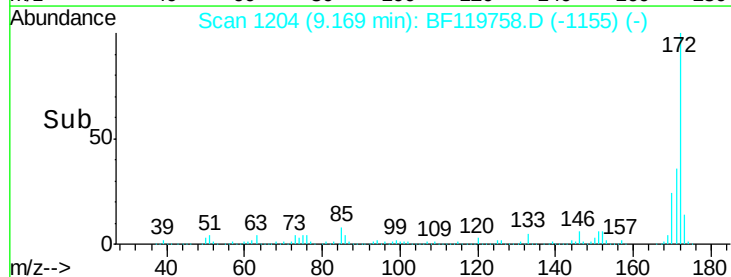
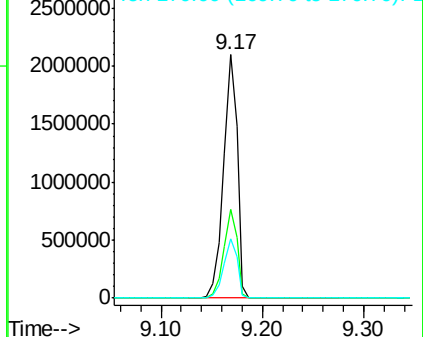
170 24.2 20.2 30.2

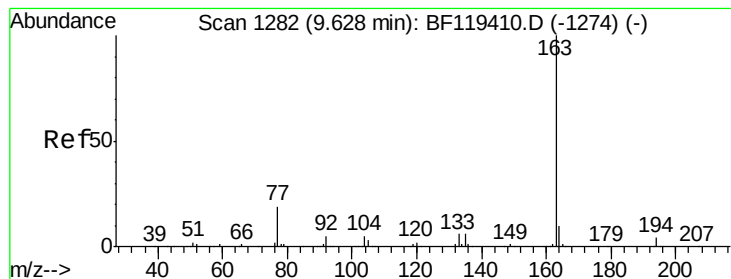


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 12.44 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

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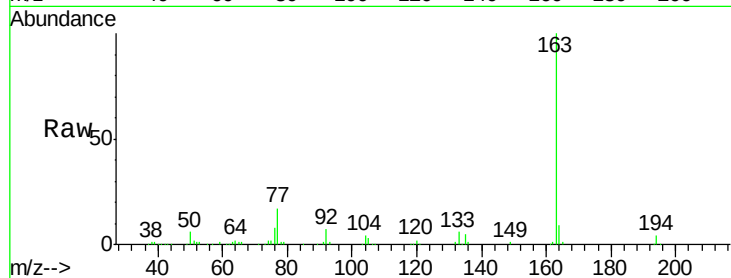
Tgt Ion:163 Resp: 240315

Ion Ratio Lower Upper

163 100

194 3.8 3.1 4.7

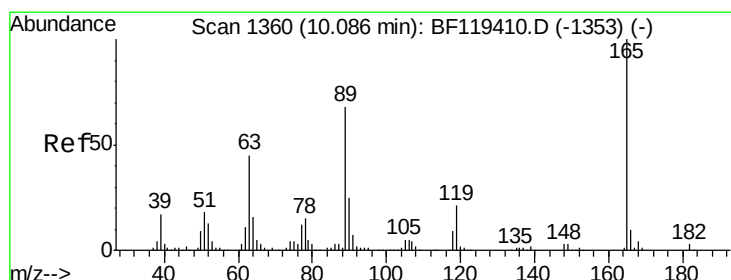
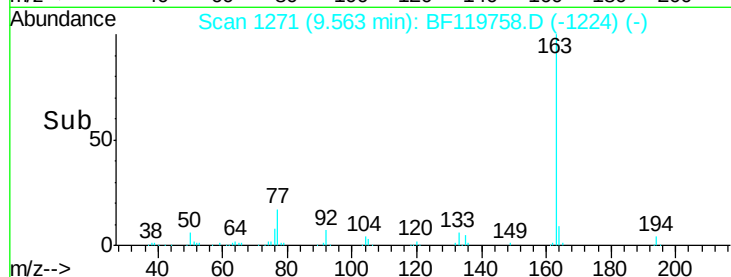
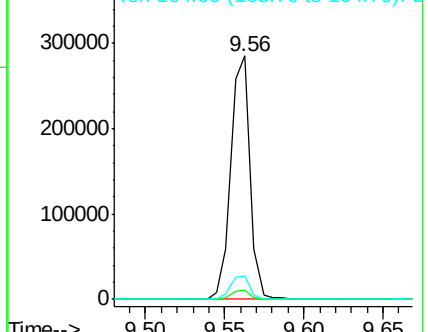
164 9.4 8.2 12.2



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



#57

2,4-Dinitrotoluene

Concen: 6.74 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF119758.D

Acq: 4 Apr 2020 11:12

Tgt Ion:165 Resp: 35143

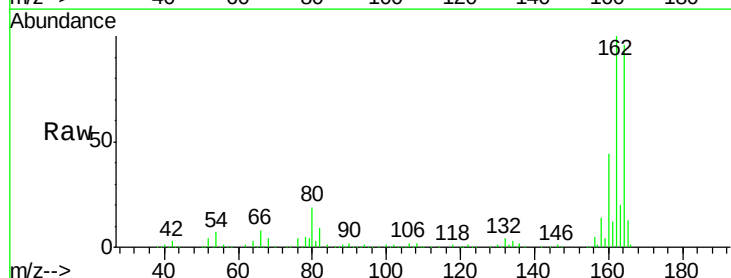
Ion Ratio Lower Upper

165 100

63 0.0 42.6 64.0#

89 1.1 61.0 91.4#

182 0.0 2.2 3.2#

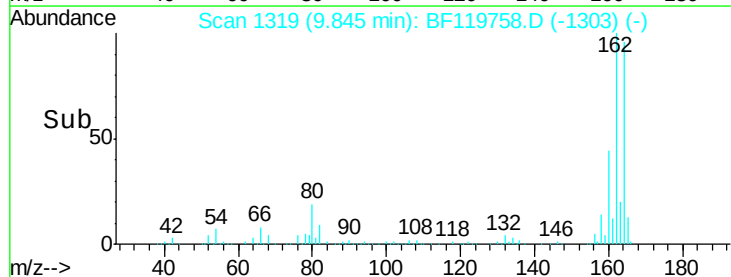
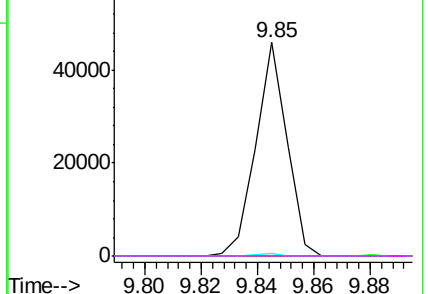


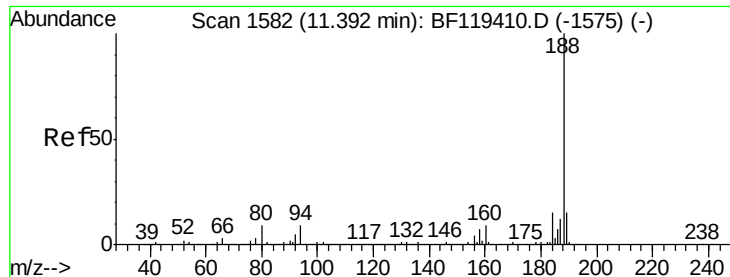
Abundance Ion 165.00 (164.70 to 165.70): E

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

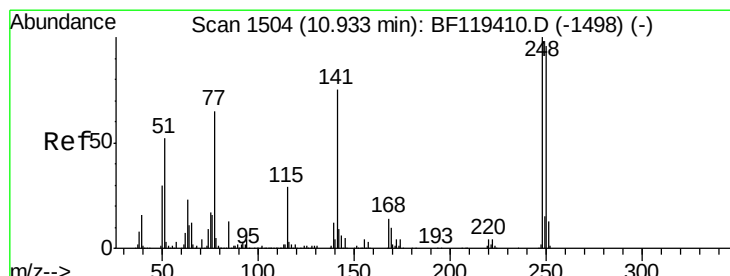
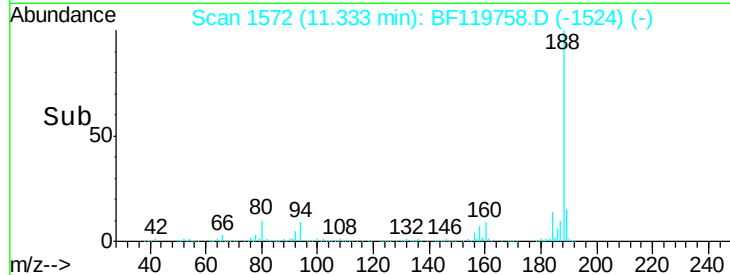
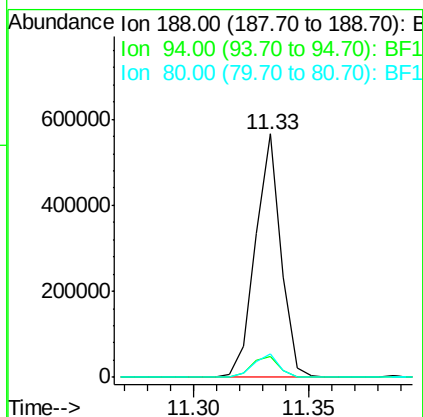
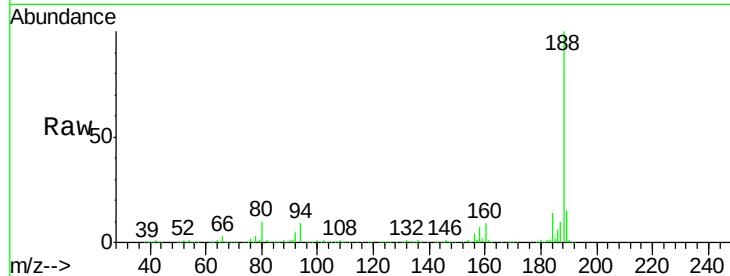




#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF119758.D
 Acq: 4 Apr 2020 11:12

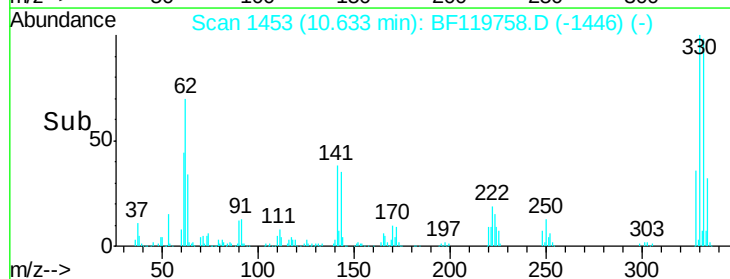
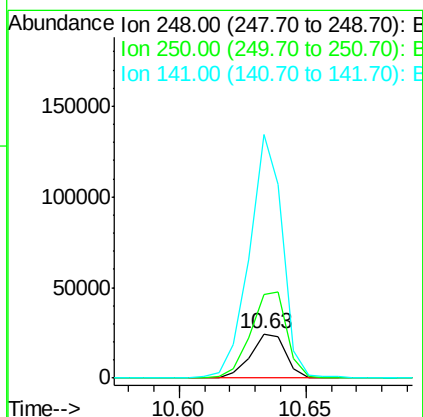
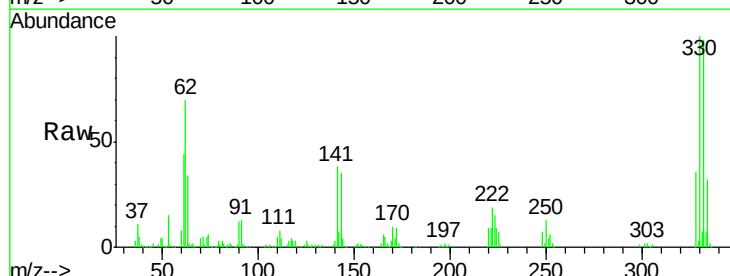
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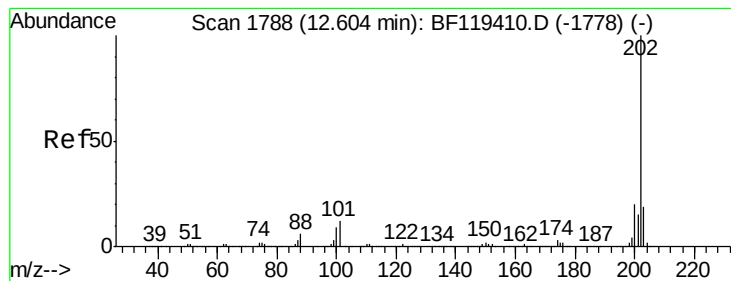
Tgt Ion:188 Resp: 438157
 Ion Ratio Lower Upper
 188 100
 94 8.7 7.5 11.3
 80 9.6 9.0 13.4



#67
 4-Bromophenyl-phenylether
 Concen: 4.76 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.26 min
 Lab File: BF119758.D
 Acq: 4 Apr 2020 11:12

Tgt Ion:248 Resp: 23775
 Ion Ratio Lower Upper
 248 100
 250 191.2 77.3 115.9#
 141 554.0 58.6 87.8#

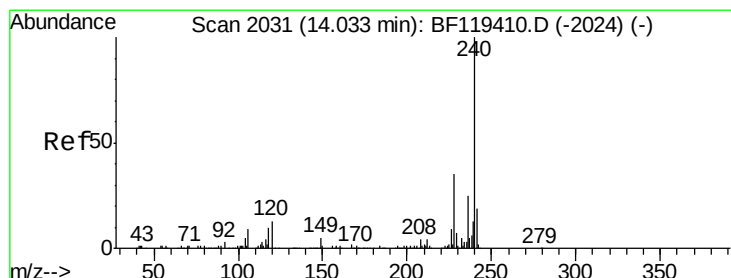
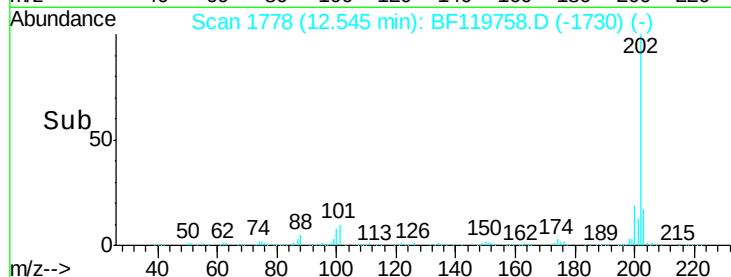
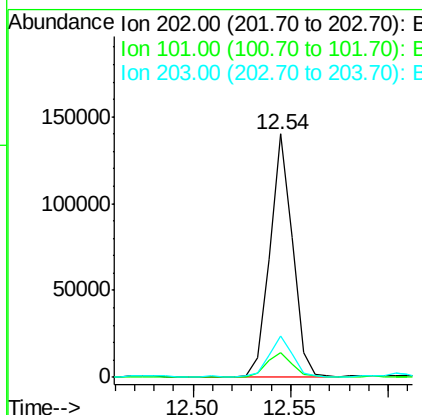
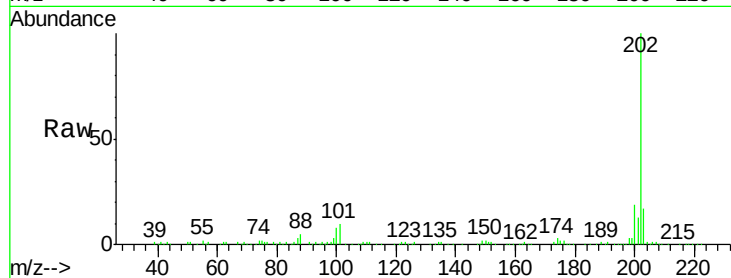




#75
 Fluoranthene
 Concen: 4.58 ng
 RT: 12.54 min Scan# 1778
 Delta R.T. -0.02 min
 Lab File: BF119758.D
 Acq: 4 Apr 2020 11:12

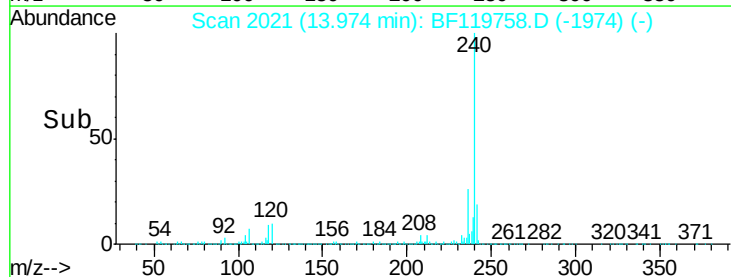
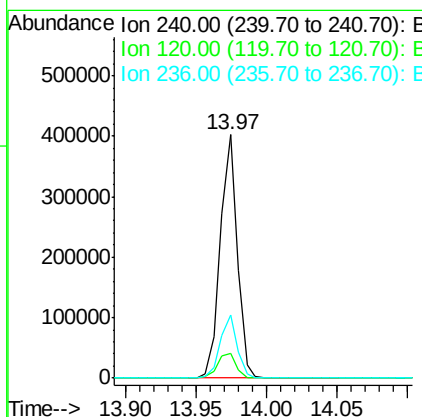
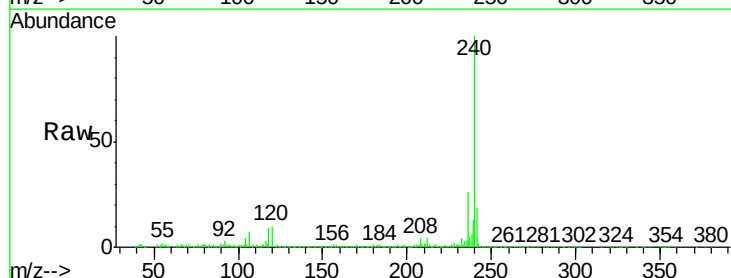
Instrument :
 BNA_F
 ClientSampleId :
 239-020304-0-11

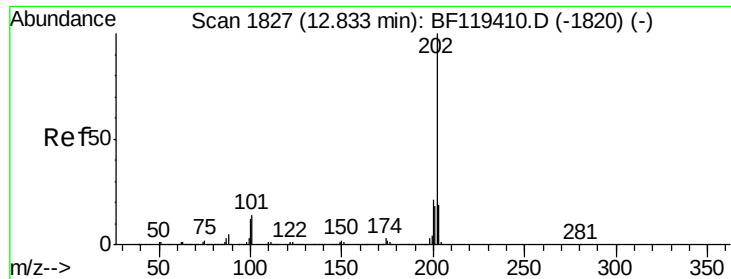
Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.0	0.0	32.2
203	17.2	0.0	38.8



#76
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.97 min Scan# 2021
 Delta R.T. -0.02 min
 Lab File: BF119758.D
 Acq: 4 Apr 2020 11:12

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.2	10.6	15.8#
236	25.9	20.2	30.2

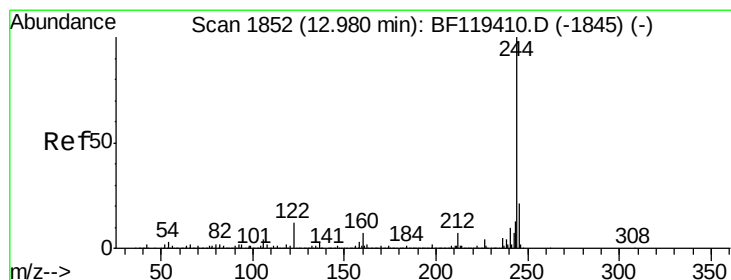
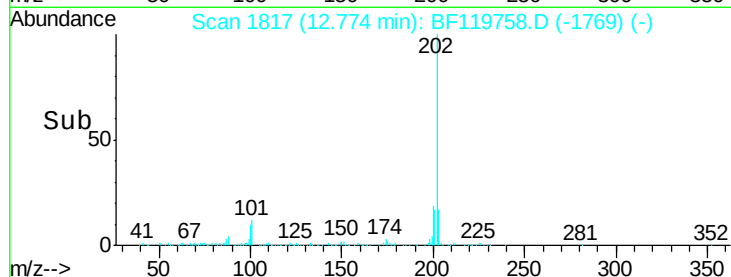
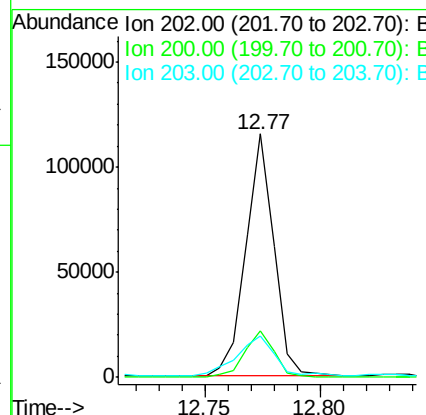
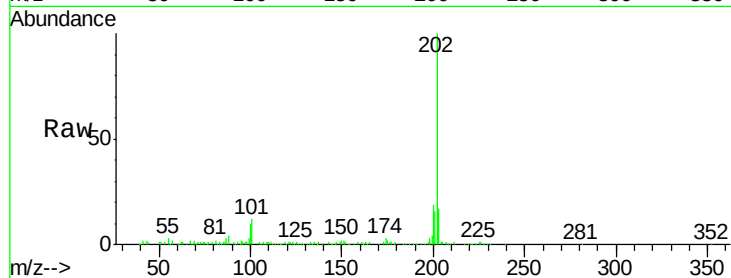




#78
Pyrene
Concen: 3.54 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.02 min
Lab File: BF119758.D
Acq: 4 Apr 2020 11:12

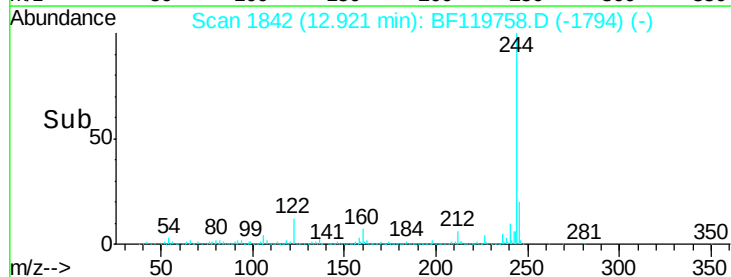
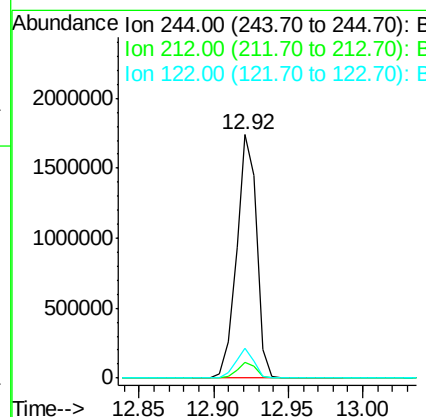
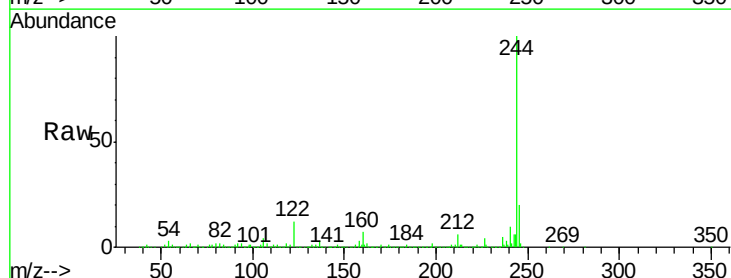
Instrument :
BNA_F
ClientSampleId :
239-020304-0-11

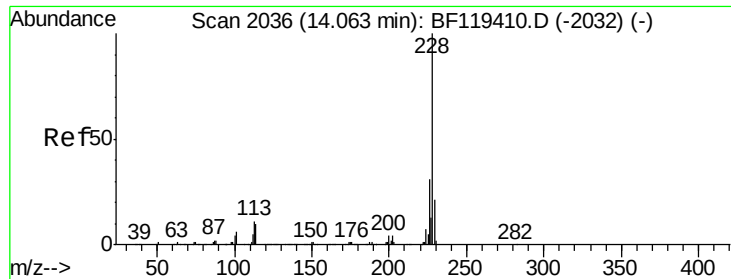
Tgt Ion: 202 Resp: 98701
Ion Ratio Lower Upper
202 100
200 19.2 16.8 25.2
203 17.1 15.1 22.7



#79
Terphenyl-d14
Concen: 94.60 ng
RT: 12.92 min Scan# 1842
Delta R.T. -0.02 min
Lab File: BF119758.D
Acq: 4 Apr 2020 11:12

Tgt Ion: 244 Resp: 1638201
Ion Ratio Lower Upper
244 100
212 6.5 5.8 8.8
122 12.3 10.3 15.5





#83

Chrysene

Concen: 2.07 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF119758.D

Acq: 4 Apr 2020 11:12

Instrument :

BNA_F

ClientSampleId :

239-020304-0-11

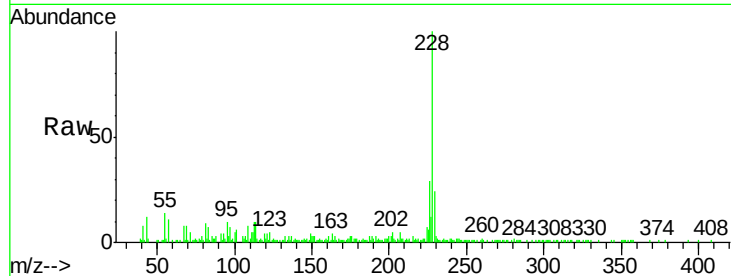
Tgt Ion:228 Resp: 47070

Ion Ratio Lower Upper

228 100

226 28.7 25.4 38.0

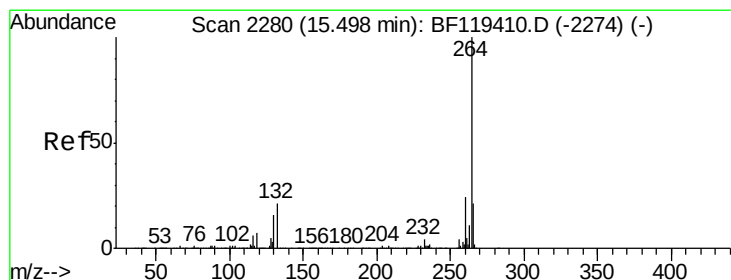
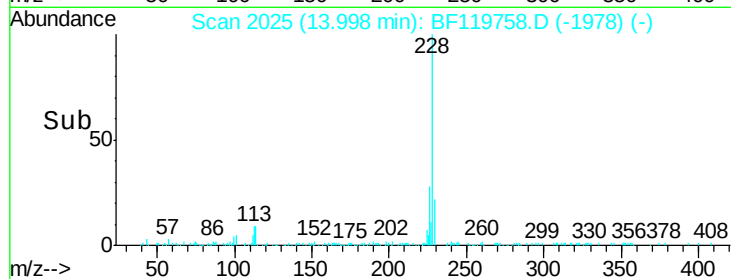
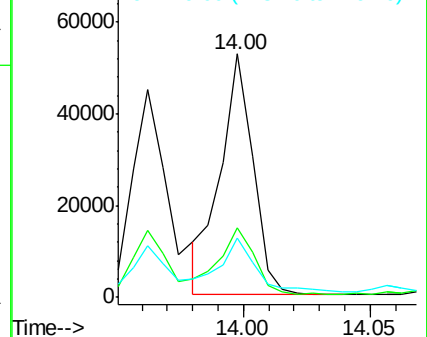
229 24.4 16.6 24.8



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



#87

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BF119758.D

Acq: 4 Apr 2020 11:12

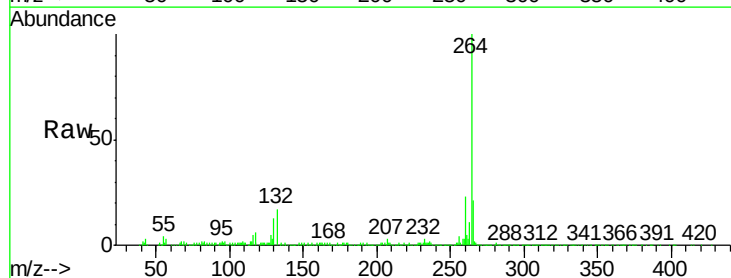
Tgt Ion:264 Resp: 293789

Ion Ratio Lower Upper

264 100

260 23.4 18.7 28.1

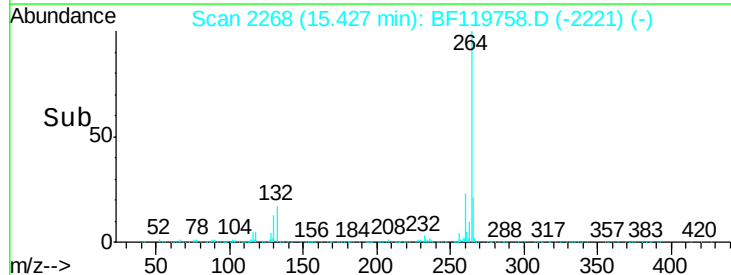
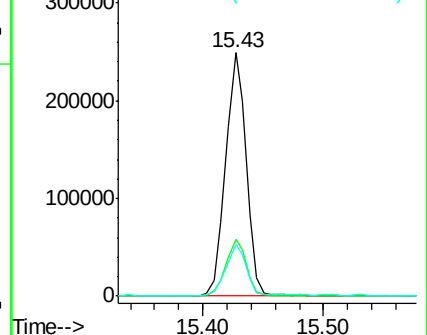
265 21.1 17.7 26.5

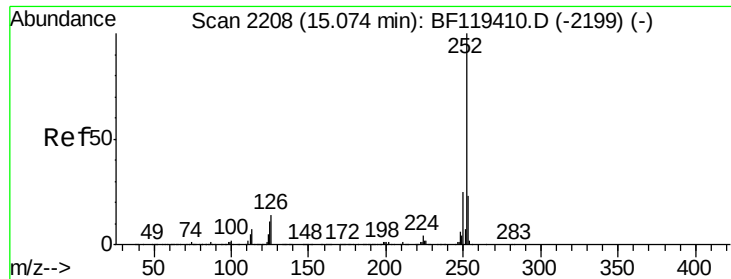


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

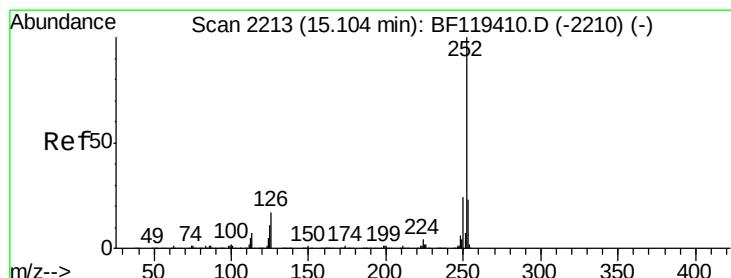
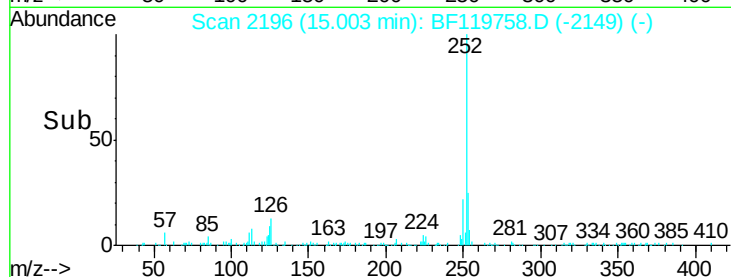
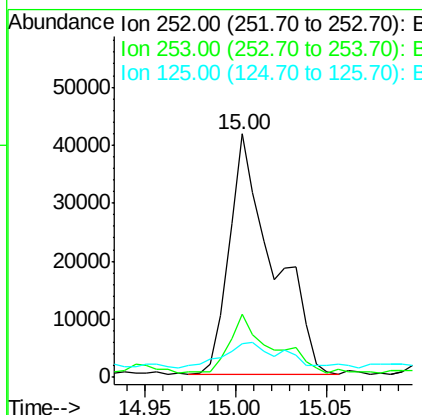
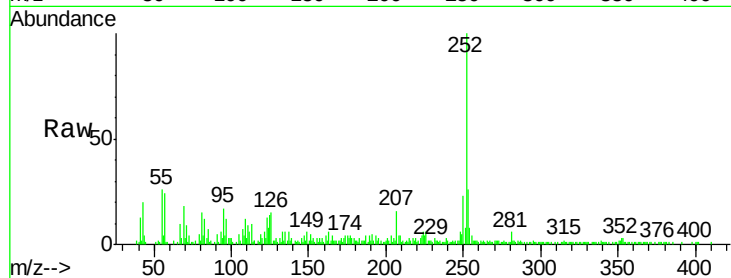




#88
Benzo(b)fluoranthene
Concen: 3.54 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.02 min
Lab File: BF119758.D
Acq: 4 Apr 2020 11:12

Instrument :
BNA_F
ClientSampleId :
239-020304-0-11

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.4	26.0
125	14.0	7.9	11.9#



#89
Benzo(k)fluoranthene
Concen: 3.72 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.06 min
Lab File: BF119758.D
Acq: 4 Apr 2020 11:12

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.0	17.8	26.6
125	14.0	8.4	12.6#

