

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100820\
 Data File : BF121890.D
 Acq On : 8 Oct 2020 15:43
 Operator : JU/CG
 Sample : L4297-03
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RO-RBR-200034

Quant Time: Oct 08 16:12:24 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 01 14:29:14 2020
 Response via : Initial Calibration

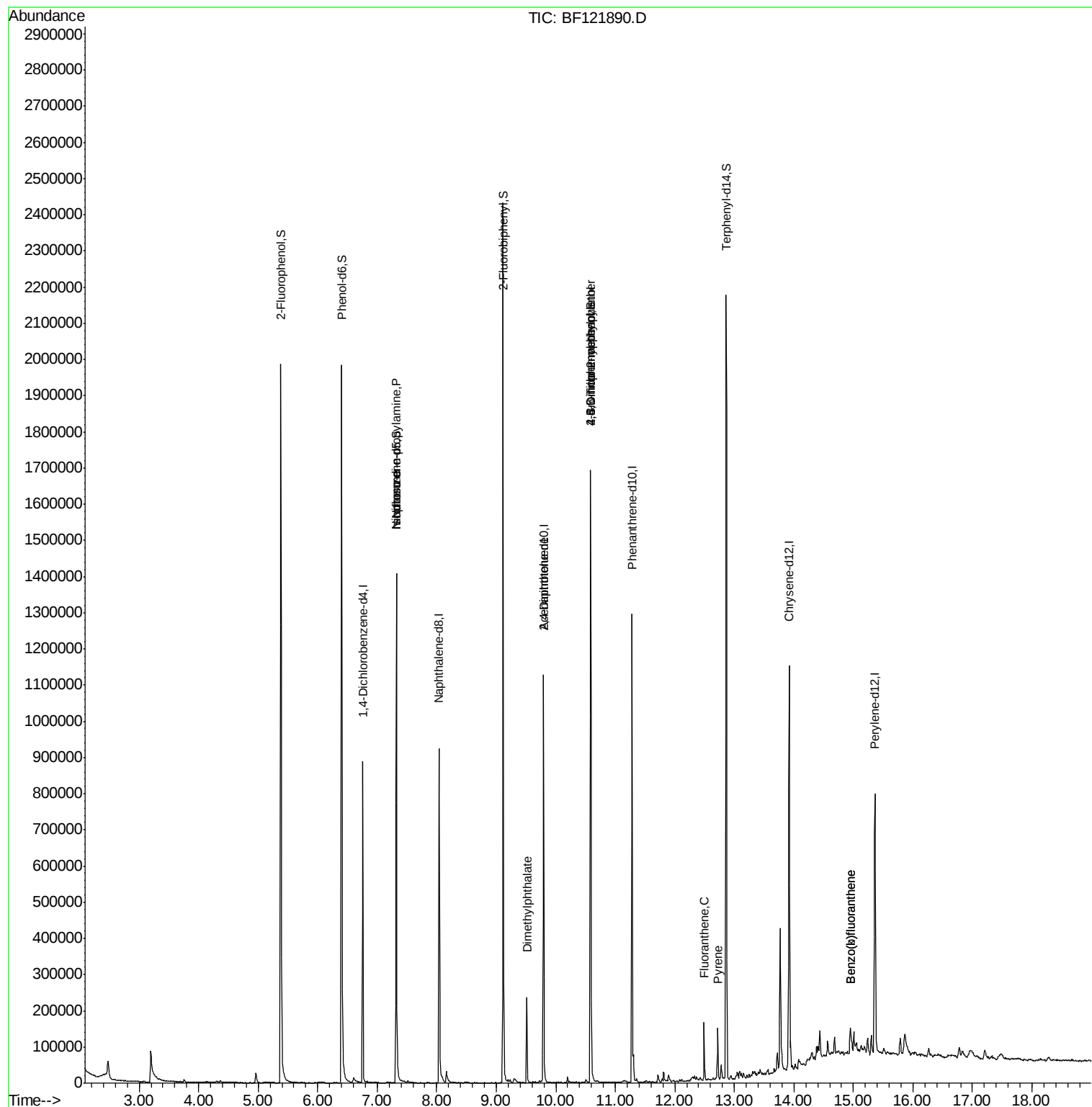
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	111862	20.00	ng	-0.01
21) Naphthalene-d8	8.04	136	456806	20.00	ng	-0.02
39) Acenaphthene-d10	9.79	164	243256	20.00	ng	-0.02
64) Phenanthrene-d10	11.28	188	460395	20.00	ng	-0.01
76) Chrysene-d12	13.92	240	335696	20.00	ng	-0.01
86) Perylene-d12	15.36	264	307058	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.38	112	549170	72.96	ng	0.00
7) Phenol-d6	6.40	99	689708	69.84	ng	-0.01
23) Nitrobenzene-d5	7.32	82	464475	54.59	ng	-0.02
42) 2,4,6-Tribromophenol	10.59	330	215607	71.31	ng	-0.02
45) 2-Fluorobiphenyl	9.12	172	746467	46.48	ng	-0.02
79) Terphenyl-d14	12.86	244	661552	39.92	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.32	70	60821	10.687	ng	# 80
25) Isophorone	7.32	82	464472	27.120	ng	# 67
50) Dimethylphthalate	9.52	163	106079	6.017	ng	# 99
57) 2,4-Dinitrotoluene	9.79	165	30567	6.471	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.59	198	198	6.912	ng	# 1
67) 4-Bromophenyl-phenylether	10.59	248	12359	2.358	ng	# 1
75) Fluoranthene	12.49	202	62035	2.317	ng	# 98
78) Pyrene	12.72	202	55667	2.270	ng	# 97
88) Benzo(b)fluoranthene	14.94	252	43759	2.132	ng	# 96
89) Benzo(k)fluoranthene	14.94	252	43759	2.328	ng	# 97

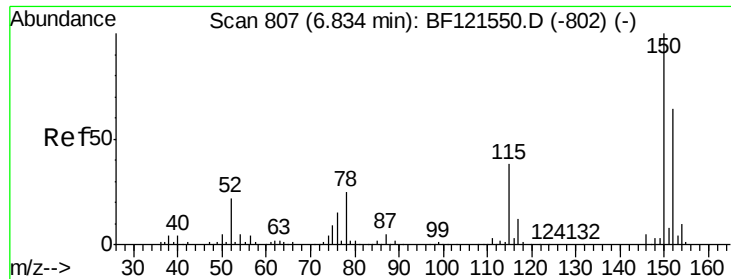
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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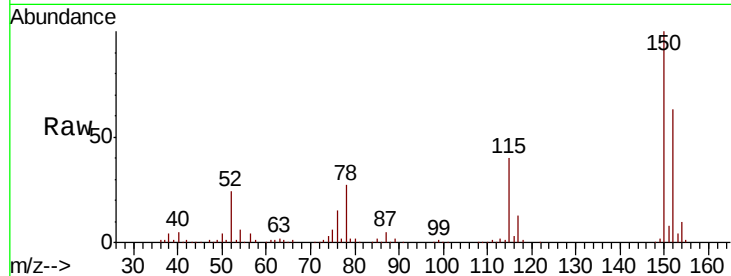


#1

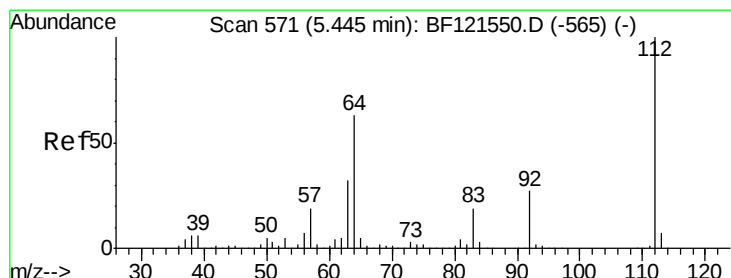
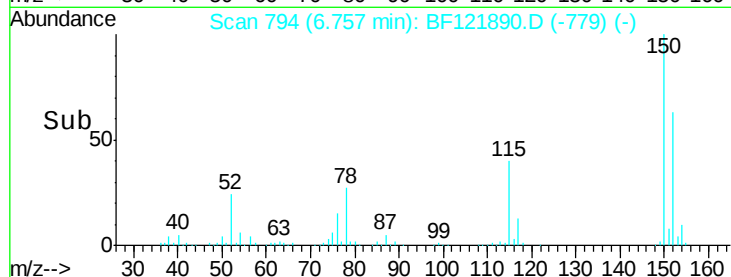
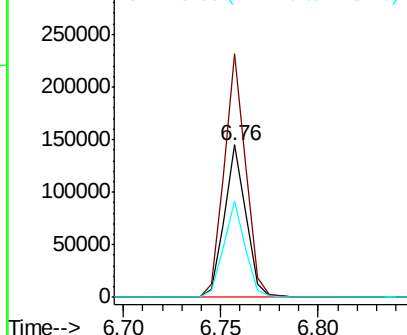
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.76 min Scan# 794
Delta R.T. -0.01 min
Lab File: BF121890.D
Acq: 8 Oct 2020 15:43

Instrument :
BNA_F
ClientSampleId :
RO-RBR-200034

Tot Ion:152 Resp: 111862
Ion Ratio Lower Upper
152 100
150 160.0 125.3 187.9
115 63.6 51.9 77.9



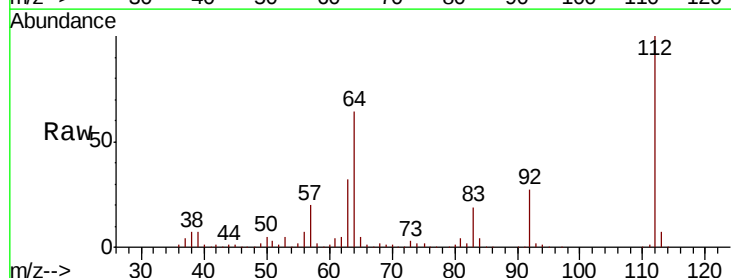
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



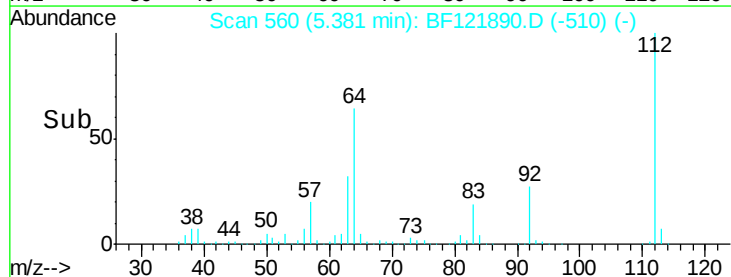
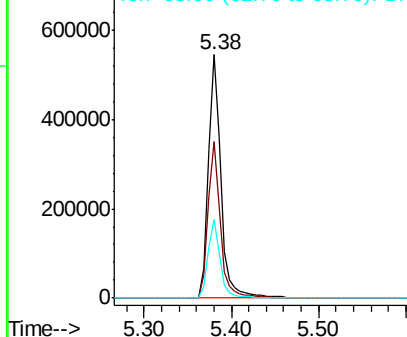
#5

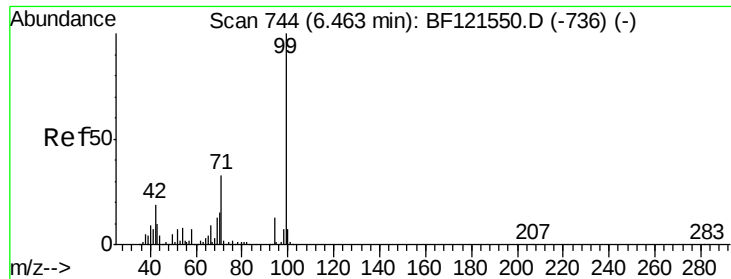
2-Fluorophenol
Concen: 72.959 ng
RT: 5.38 min Scan# 560
Delta R.T. -0.01 min
Lab File: BF121890.D
Acq: 8 Oct 2020 15:43

Tgt Ion:112 Resp: 549170
Ion Ratio Lower Upper
112 100
64 64.1 50.4 75.6
63 32.3 25.8 38.6



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: 69.843 ng

RT: 6.40 min Scan# 734

Delta R.T. -0.01 min

Lab File: BF121890.D

Acq: 8 Oct 2020 15:43

Instrument :

BNA_F

ClientSampleId :

RO-RBR-200034

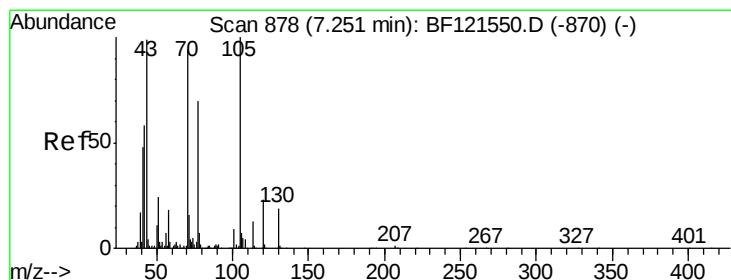
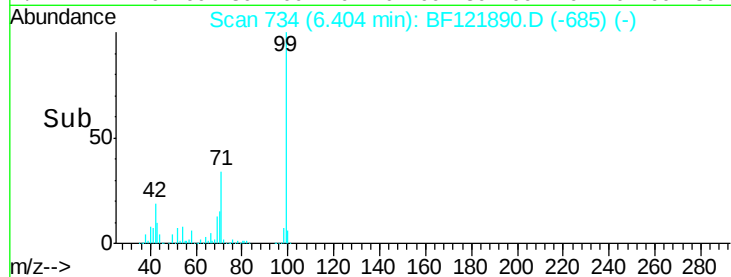
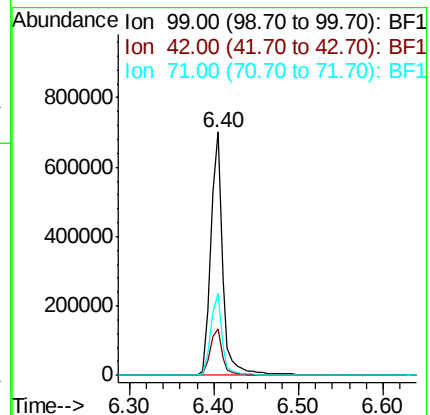
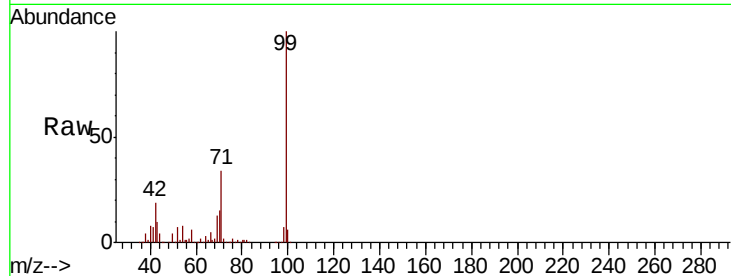
Tot Ion: 99 Resp: 689708

Ion Ratio Lower Upper

99 100

42 19.3 15.9 23.9

71 33.7 27.1 40.7



#19

n-Nitroso-di-n-propylamine

Concen: 10.687 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.13 min

Lab File: BF121890.D

Acq: 8 Oct 2020 15:43

Tgt Ion: 70 Resp: 60821

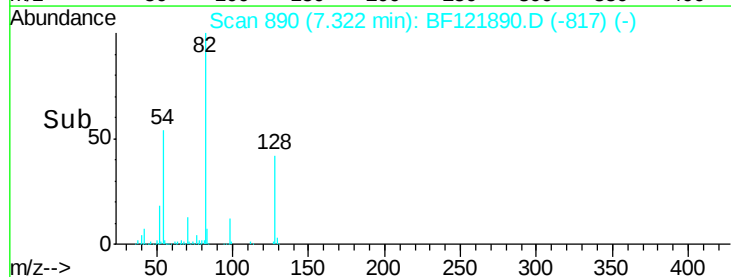
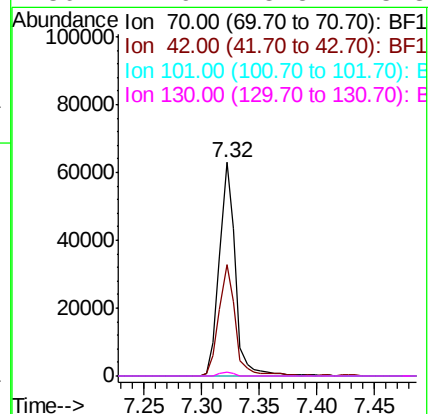
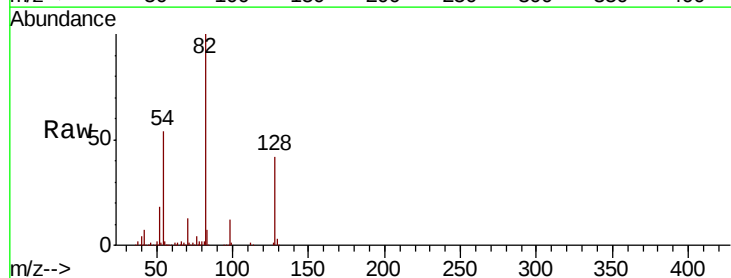
Ion Ratio Lower Upper

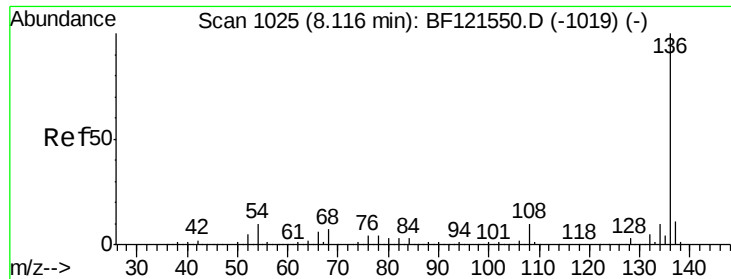
70 100

42 52.1 50.2 75.4

101 0.0 7.5 11.3#

130 1.9 15.5 23.3#

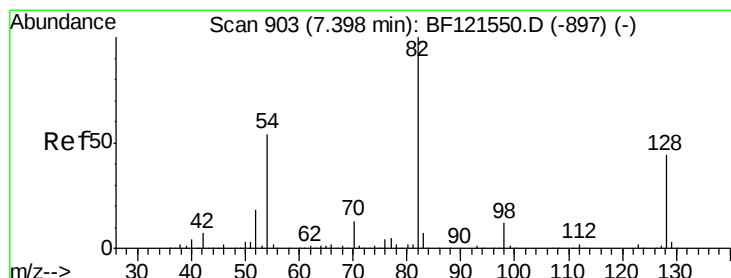
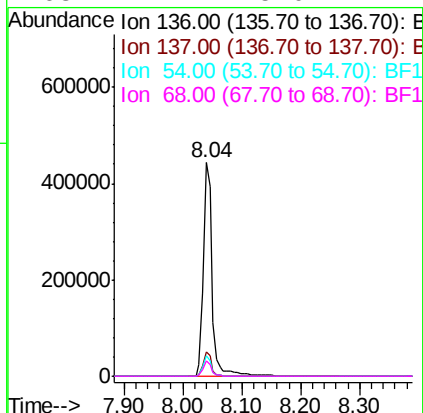
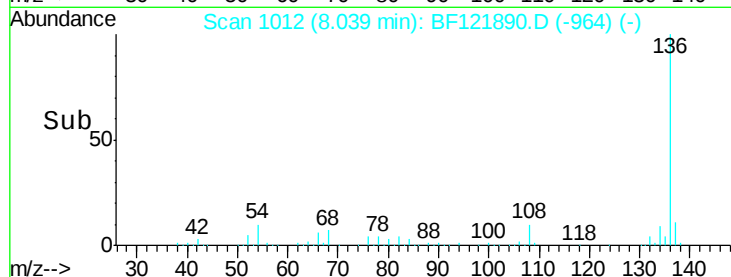
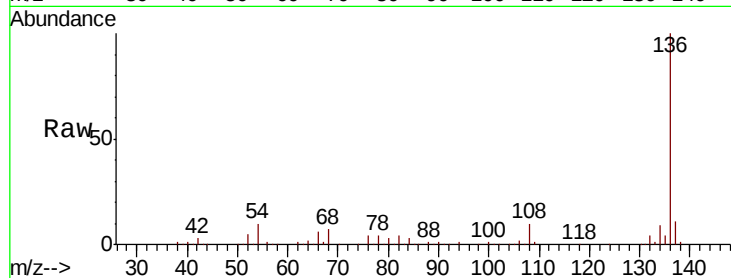




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: BF121890.D
Acq: 8 Oct 2020 15:43

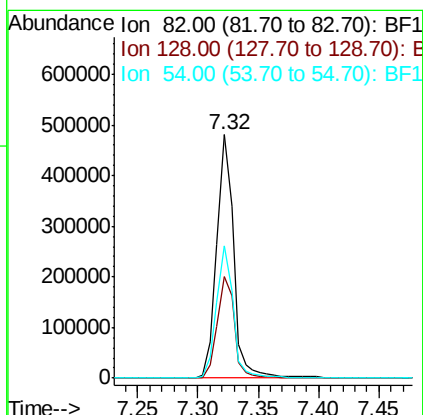
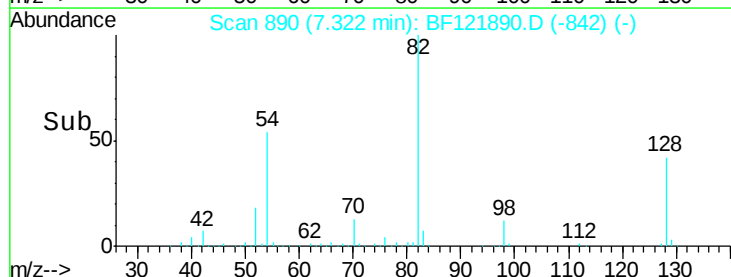
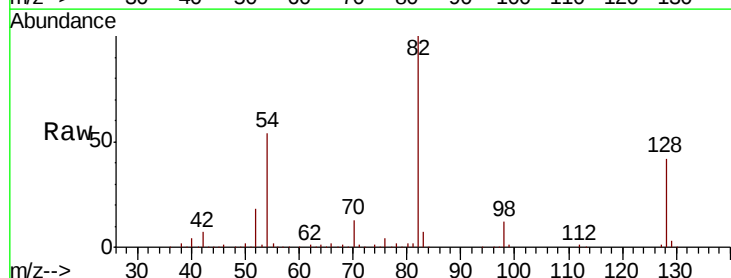
Instrument :
BNA_F
ClientSampleId :
RO-RBR-200034

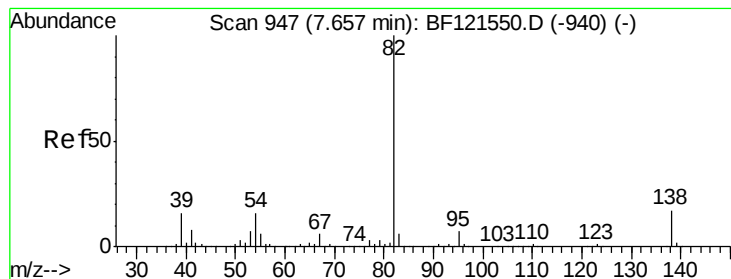
Tot Ion:136	Resp:	456806
Ion Ratio	Lower	Upper
136	100	
137	11.3	8.6 13.0
54	9.9	7.1 10.7
68	7.2	5.0 7.4



#23
Nitrobenzene-d5
Concen: 54.593 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.02 min
Lab File: BF121890.D
Acq: 8 Oct 2020 15:43

Tgt Ion: 82	Resp:	464475
Ion Ratio	Lower	Upper
82	100	
128	41.7	35.0 52.4
54	54.5	43.9 65.9





#25

Isophorone

Concen: 27.120 ng

RT: 7.32 min Scan# 890

Delta R.T. -0.28 min

Lab File: BF121890.D

Acq: 8 Oct 2020 15:43

Instrument :

BNA_F

ClientSampleId :

RO-RBR-200034

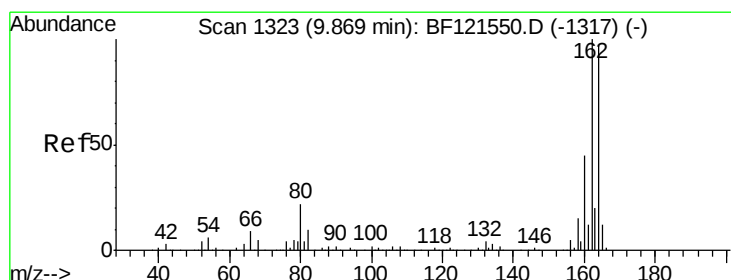
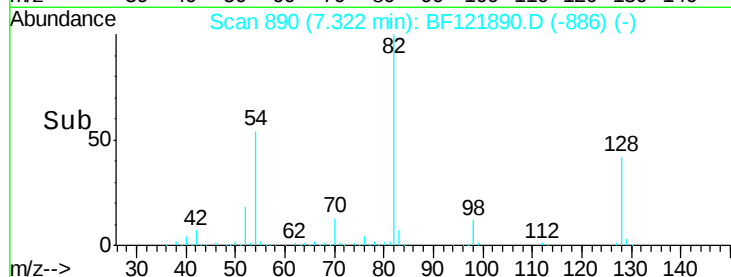
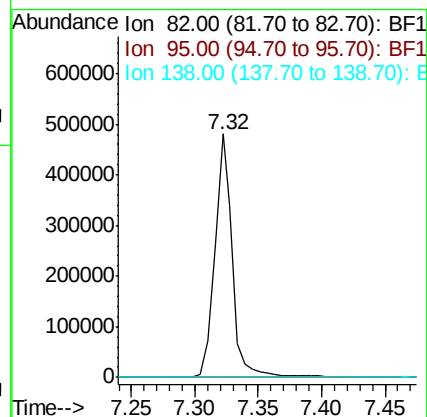
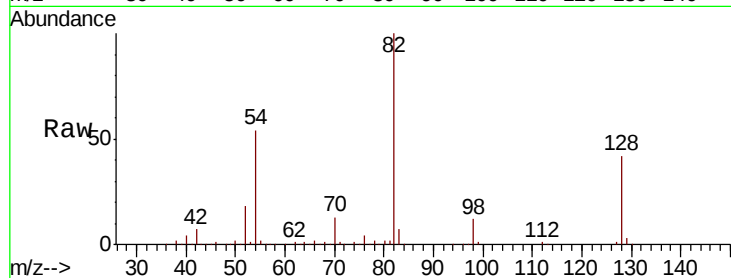
Tot Ion: 82 Resp: 464472

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

138 0.0 13.4 20.0#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.02 min

Lab File: BF121890.D

Acq: 8 Oct 2020 15:43

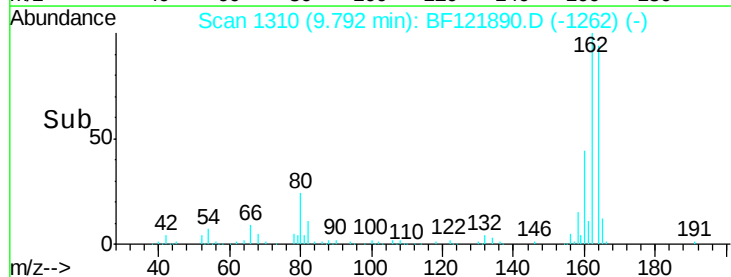
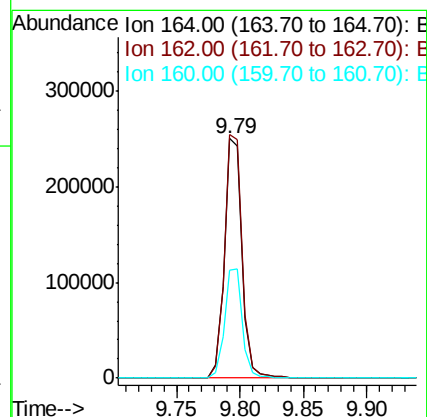
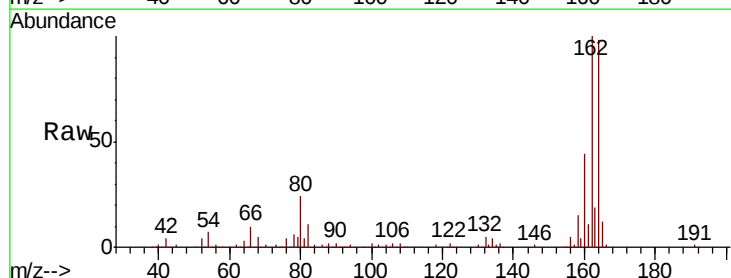
Tgt Ion:164 Resp: 243256

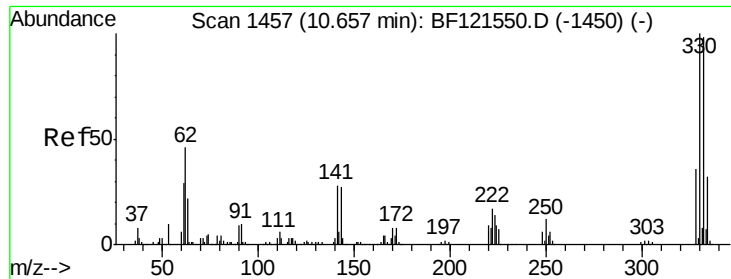
Ion Ratio Lower Upper

164 100

162 101.7 83.2 124.8

160 45.1 37.5 56.3





#42

2,4,6-Tribromophenol

Concen: 71.314 ng

RT: 10.59 min Scan# 1445

Delta R.T. -0.02 min

Lab File: BF121890.D

Acq: 8 Oct 2020 15:43

Instrument :

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ClientSampleId :

RO-RBR-200034

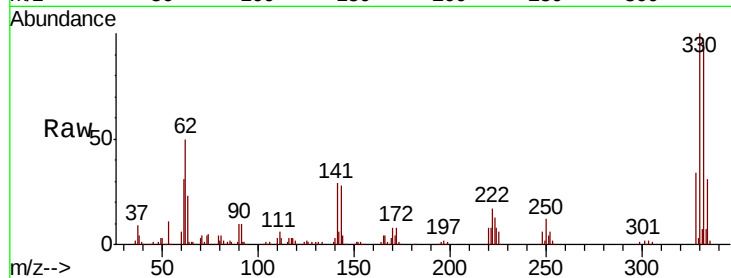
Tot Ion:330 Resp: 215607

Ion Ratio Lower Upper

330 100

332 95.8 77.3 115.9

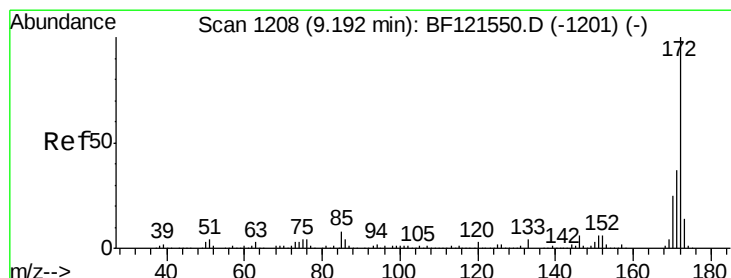
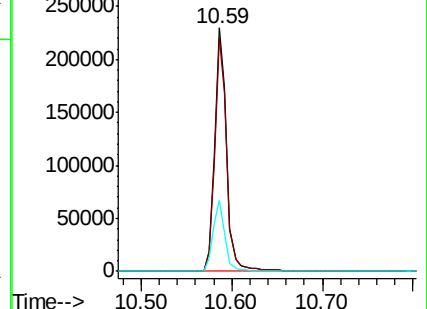
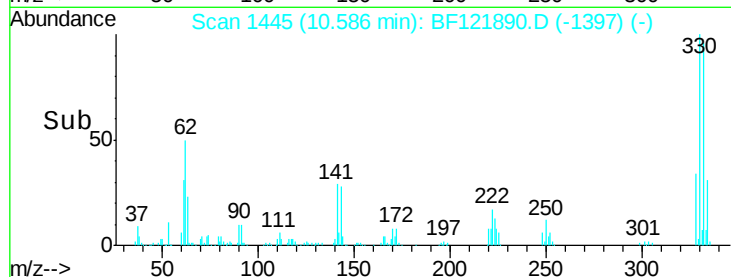
141 29.4 22.3 33.5



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: 46.476 ng

RT: 9.12 min Scan# 1195

Delta R.T. -0.02 min

Lab File: BF121890.D

Acq: 8 Oct 2020 15:43

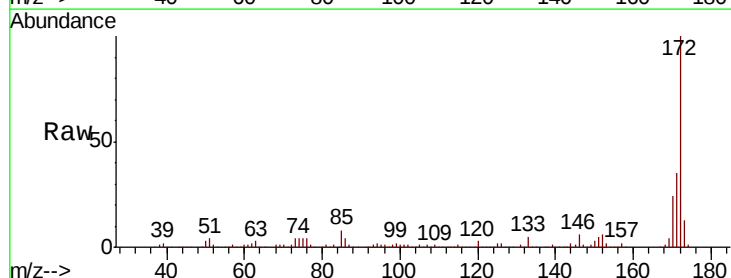
Tgt Ion:172 Resp: 746467

Ion Ratio Lower Upper

172 100

171 35.3 29.1 43.7

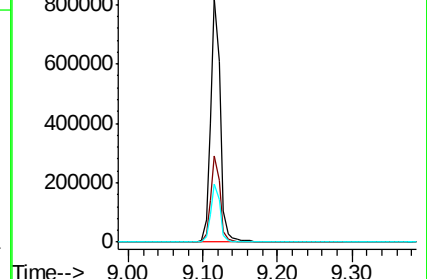
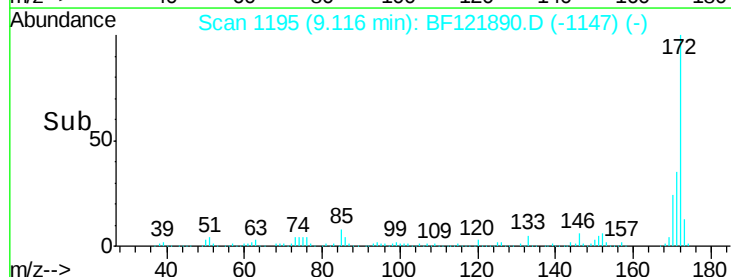
170 23.6 19.8 29.6

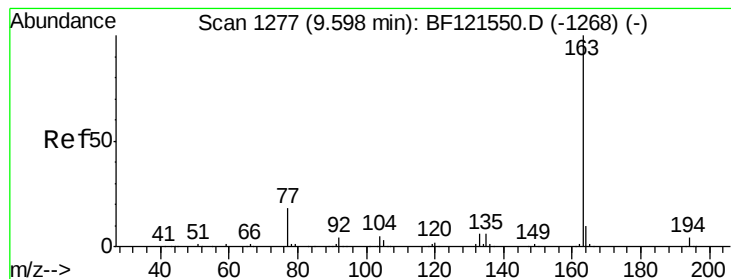


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 6.017 ng

RT: 9.52 min Scan# 1263

Delta R.T. -0.02 min

Lab File: BF121890.D

Acq: 8 Oct 2020 15:43

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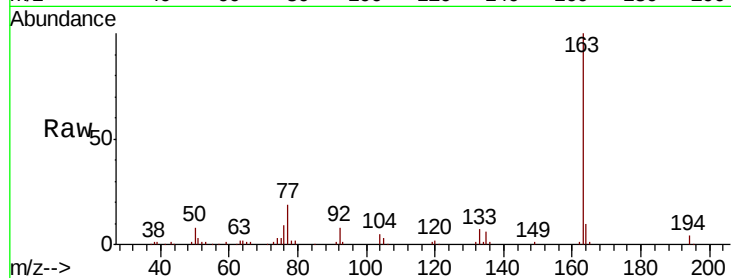
Tot Ion:163 Resp: 106079

Ion Ratio Lower Upper

163 100

194 4.2 3.3 4.9

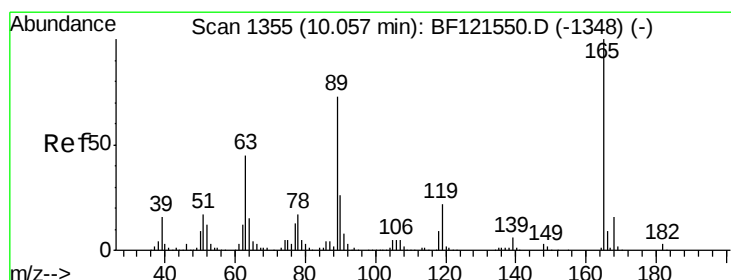
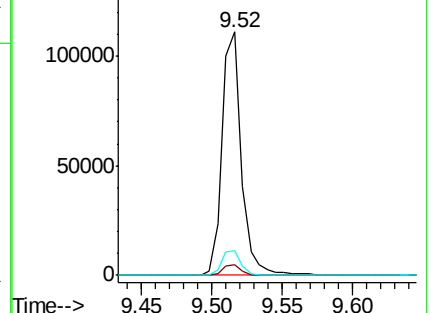
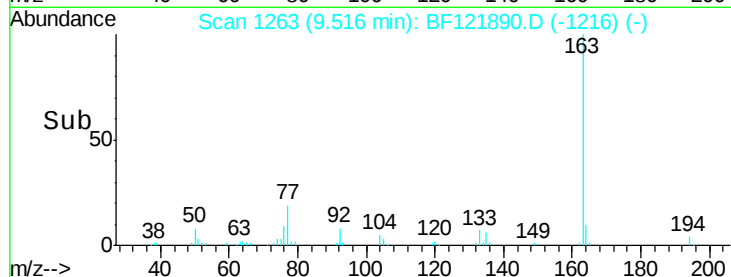
164 9.9 8.2 12.4



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: 6.471 ng

RT: 9.79 min Scan# 1310

Delta R.T. -0.21 min

Lab File: BF121890.D

Acq: 8 Oct 2020 15:43

Tgt Ion:165 Resp: 30567

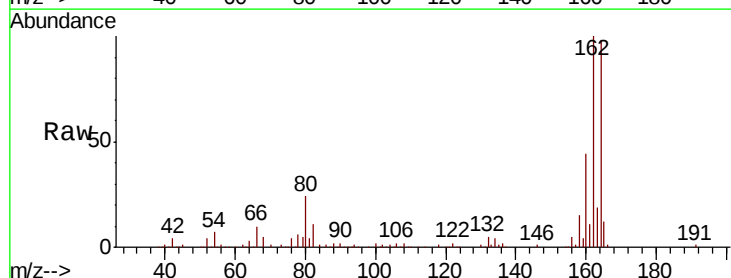
Ion Ratio Lower Upper

165 100

63 1.2 41.3 61.9#

89 2.2 61.8 92.8#

182 0.0 2.1 3.1#

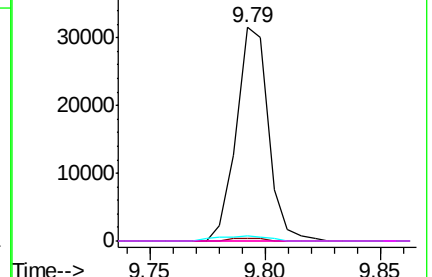
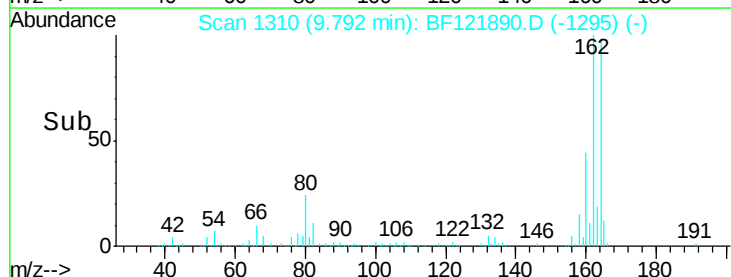


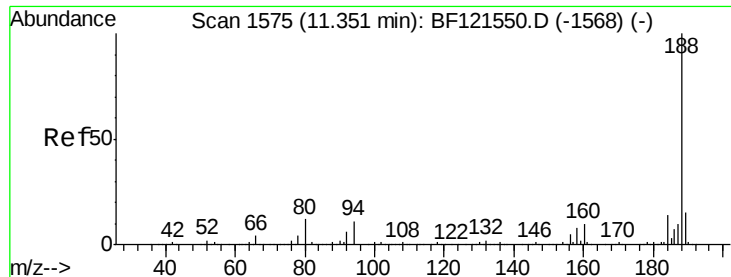
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.28 min Scan# 1563

Delta R.T. -0.01 min

Lab File: BF121890.D

Acq: 8 Oct 2020 15:43

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RO-RBR-200034

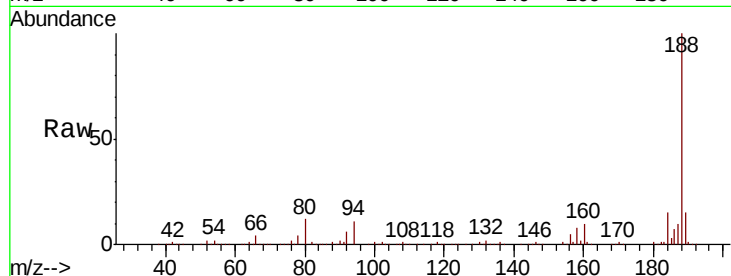
Tot Ion:188 Resp: 460395

Ion Ratio Lower Upper

188 100

94 11.2 8.3 12.5

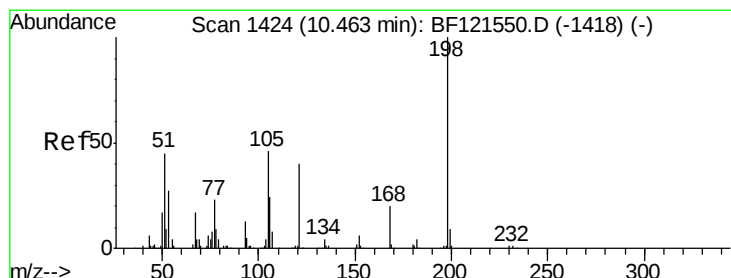
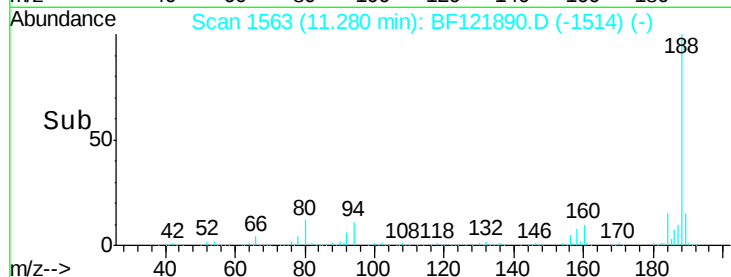
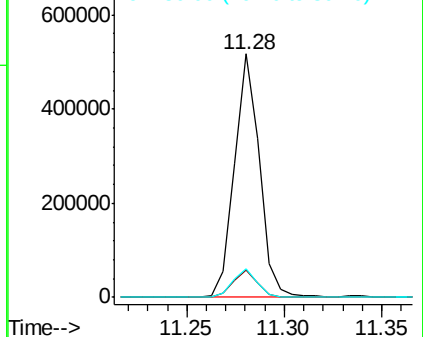
80 11.8 9.1 13.7



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



#65

4,6-Dinitro-2-methylphenol

Concen: 6.912 ng

RT: 10.59 min Scan# 1445

Delta R.T. 0.17 min

Lab File: BF121890.D

Acq: 8 Oct 2020 15:43

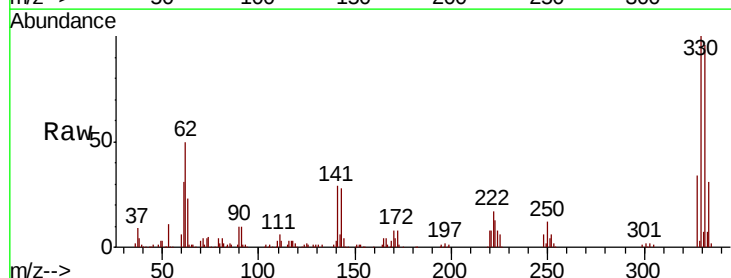
Tgt Ion:198 Resp: 198

Ion Ratio Lower Upper

198 100

51 164.5 29.6 69.6#

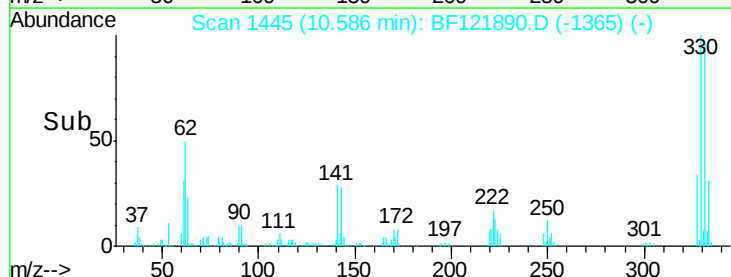
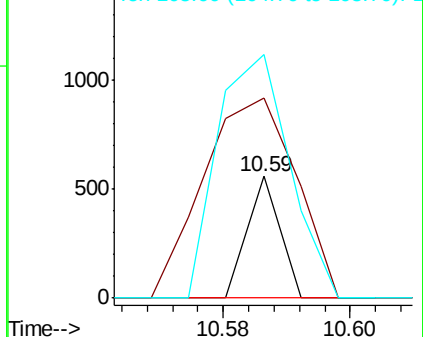
105 199.8 24.4 64.4#

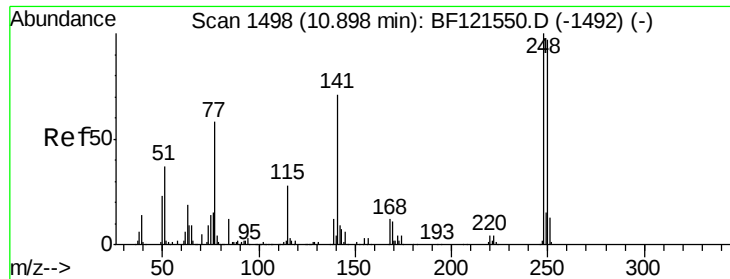


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

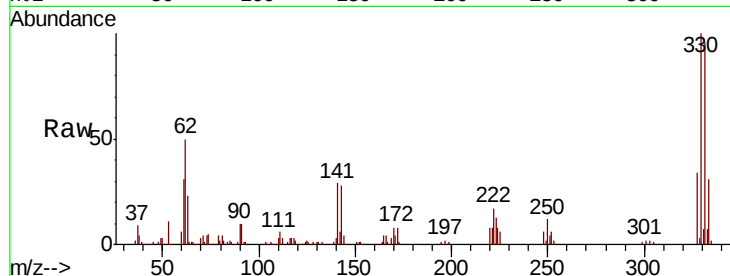




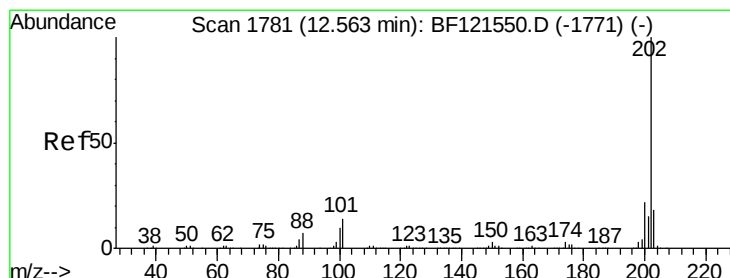
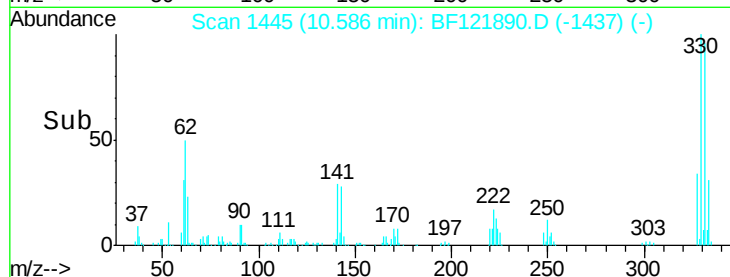
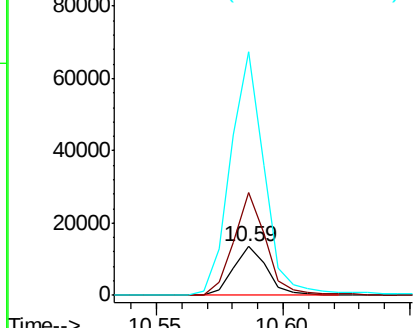
#67
4-Bromophenyl-phenylether
Concen: 2.358 ng
RT: 10.59 min Scan# 1445
Delta R.T. -0.25 min
Lab File: BF121890.D
Acq: 8 Oct 2020 15:43

Instrument :
BNA_F
ClientSampleId :
RO-RBR-200034

Tot Ion:248 Resp: 12359
Ion Ratio Lower Upper
248 100
250 211.0 77.0 115.6#
141 501.7 53.7 80.5#

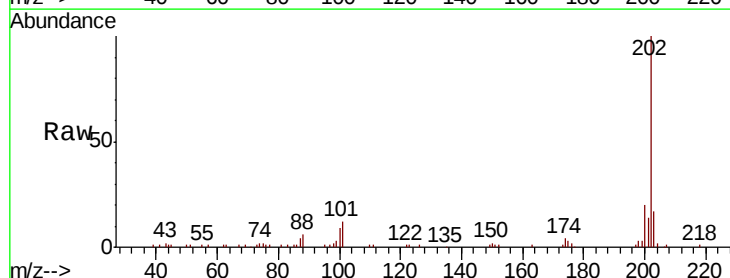


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

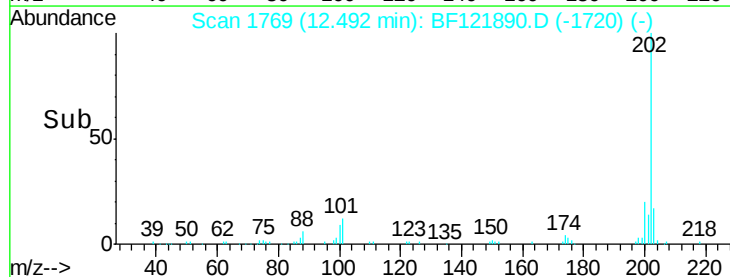
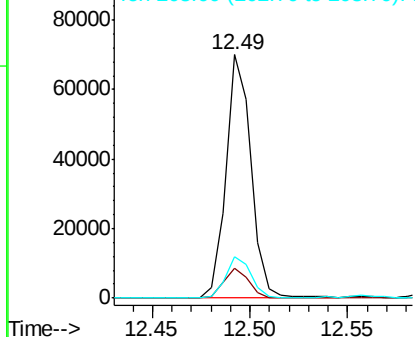


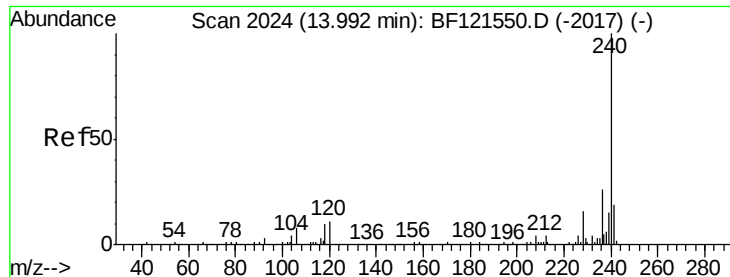
#75
Fluoranthene
Concen: 2.317 ng
RT: 12.49 min Scan# 1769
Delta R.T. -0.01 min
Lab File: BF121890.D
Acq: 8 Oct 2020 15:43

Tgt Ion:202 Resp: 62035
Ion Ratio Lower Upper
202 100
101 12.4 0.0 33.4
203 17.0 0.0 37.9



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

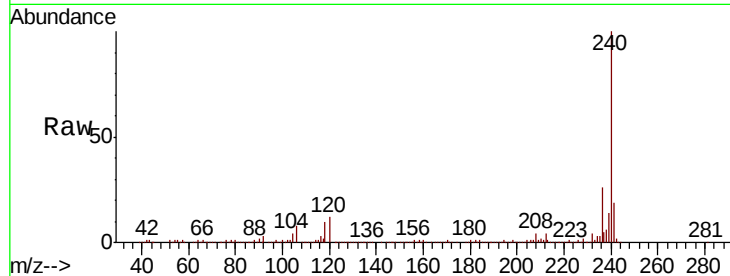




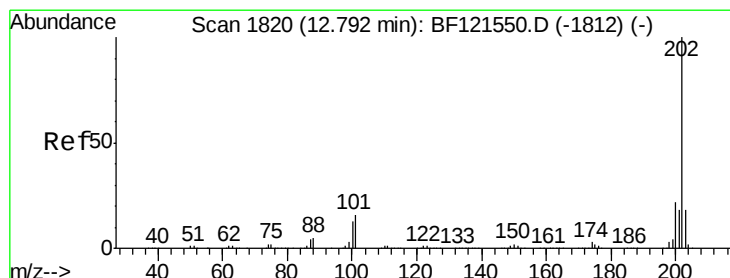
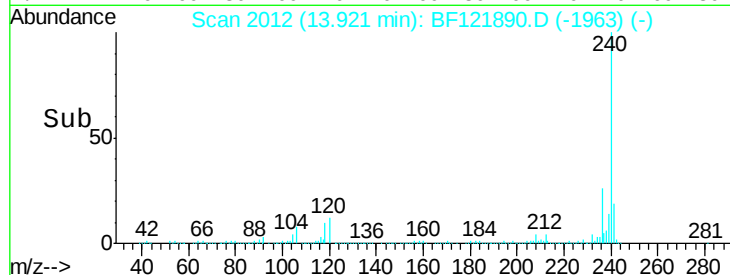
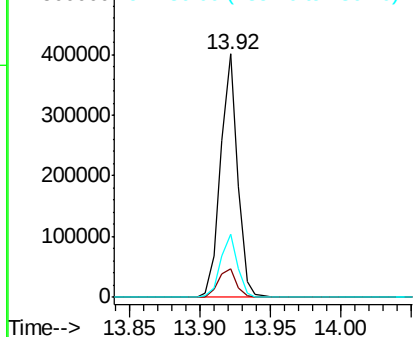
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.92 min Scan# 2012
Delta R.T. -0.01 min
Lab File: BF121890.D
Acq: 8 Oct 2020 15:43

Instrument :
BNA_F
ClientSampleId :
RO-RBR-200034

Tot Ion:240 Resp: 335696
Ion Ratio Lower Upper
240 100
120 11.7 9.2 13.8
236 26.2 20.9 31.3

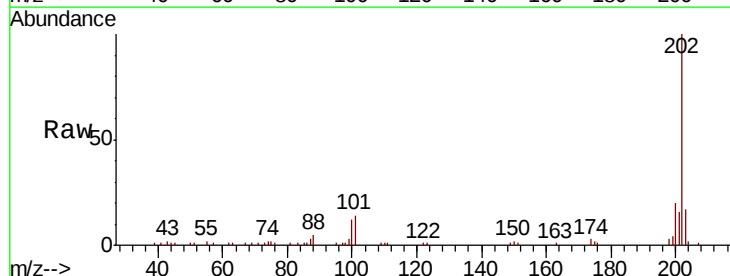


Abundance Ion 240.00 (239.70 to 240.70): E
Ion 120.00 (119.70 to 120.70): E
Ion 236.00 (235.70 to 236.70): E

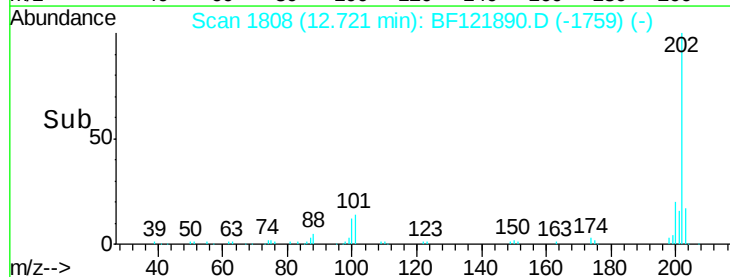
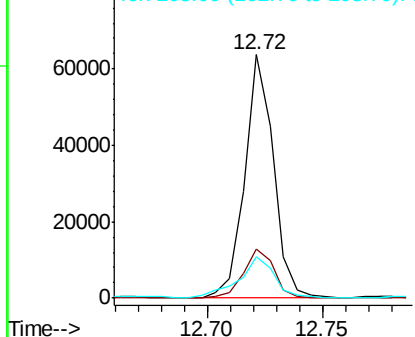


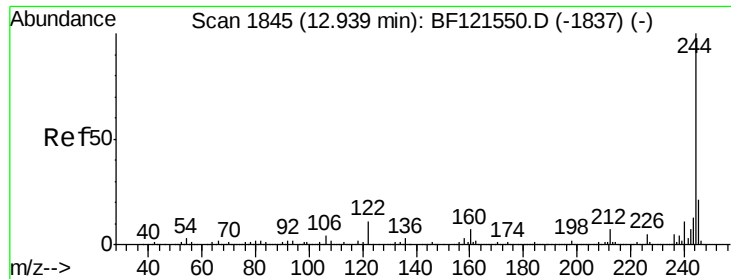
#78
Pyrene
Concen: 2.270 ng
RT: 12.72 min Scan# 1808
Delta R.T. -0.01 min
Lab File: BF121890.D
Acq: 8 Oct 2020 15:43

Tgt Ion:202 Resp: 55667
Ion Ratio Lower Upper
202 100
200 20.3 17.4 26.2
203 17.1 14.6 21.8



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: 39.924 ng

RT: 12.86 min Scan# 1832

Delta R.T. -0.02 min

Lab File: BF121890.D

Acq: 8 Oct 2020 15:43

Instrument :

BNA_F

ClientSampleId :

RO-RBR-200034

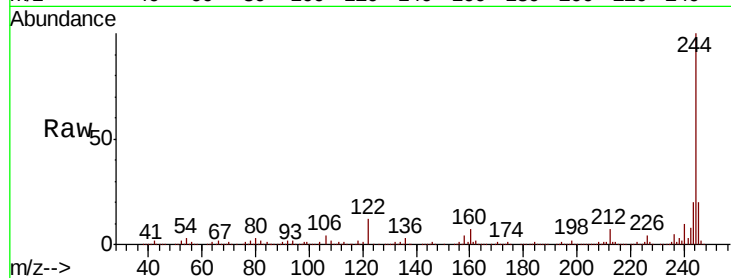
Tot Ion:244 Resp: 661552

Ion Ratio Lower Upper

244 100

212 7.1 5.4 8.2

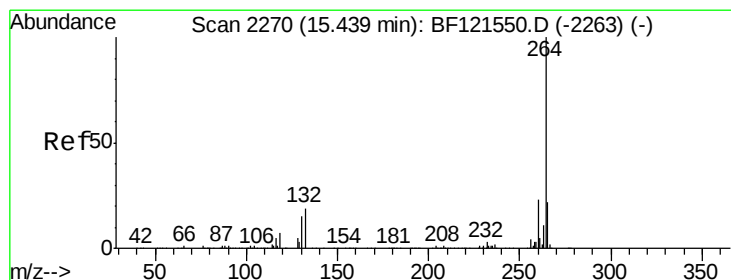
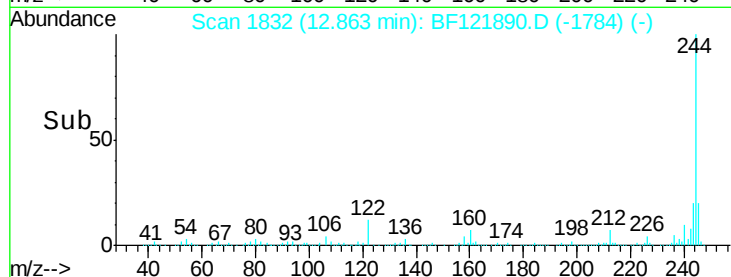
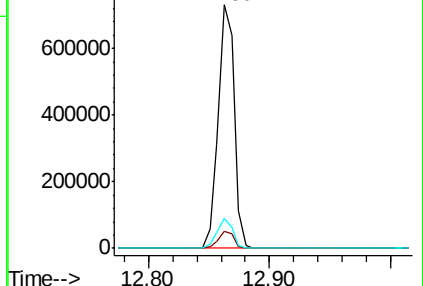
122 12.1 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.36 min Scan# 2257

Delta R.T. 0.00 min

Lab File: BF121890.D

Acq: 8 Oct 2020 15:43

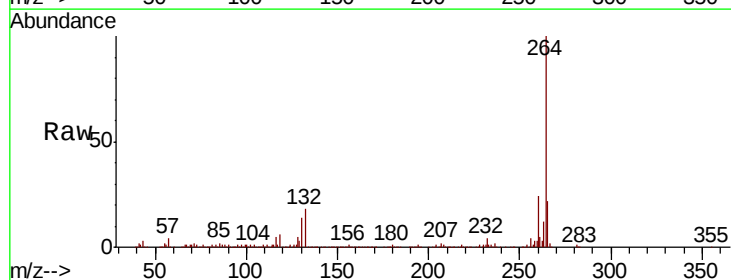
Tgt Ion:264 Resp: 307058

Ion Ratio Lower Upper

264 100

260 23.8 18.7 28.1

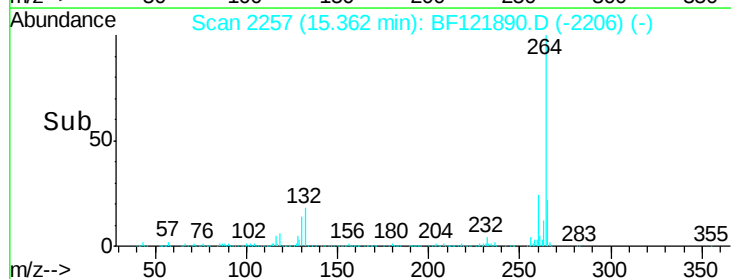
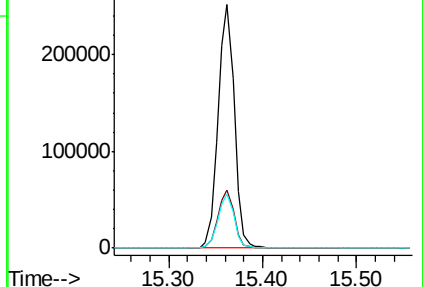
265 22.0 17.3 25.9

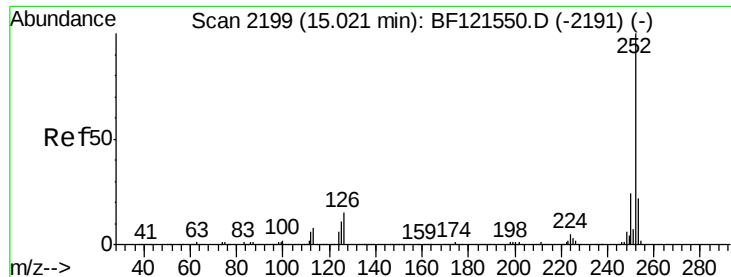


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

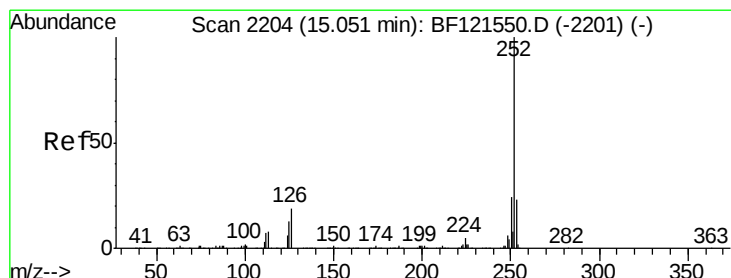
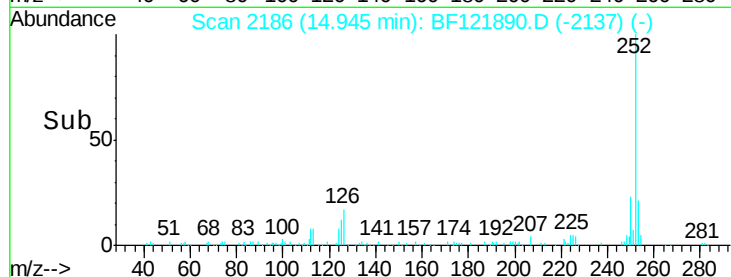
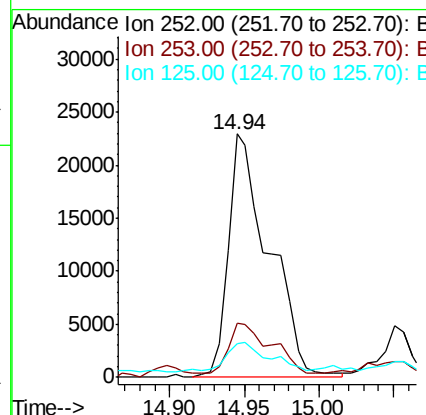
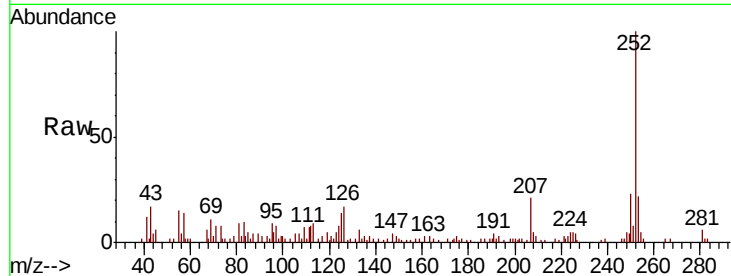




#88
Benzo(b)fluoranthene
Concen: 2.132 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.01 min
Lab File: BF121890.D
Acq: 8 Oct 2020 15:43

Instrument :
BNA_F
ClientSampleId :
RO-RBR-200034

Tot Ion:252 Resp: 43759
Ion Ratio Lower Upper
252 100
253 22.3 18.2 27.2
125 13.6 8.0 12.0#



#89
Benzo(k)fluoranthene
Concen: 2.328 ng
RT: 14.94 min Scan# 2186
Delta R.T. -0.04 min
Lab File: BF121890.D
Acq: 8 Oct 2020 15:43

Tgt Ion:252 Resp: 43759
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 13.6 7.7 11.5#

