

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\
 Data File : BF120736.D
 Acq On : 29 Jun 2020 19:18
 Operator : JU/CG
 Sample : L3128-02
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RBR-61

Quant Time: Jun 30 00:31:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF061020.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 29 15:30:14 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	52527	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	184934	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	190343	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	437660	20.00	ng	0.01
76) Chrysene-d12	13.96	240	311468	20.00	ng	0.00
86) Perylene-d12	15.42	264	344330	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	306454	100.02	ng	0.08
7) Phenol-d6	6.51	99	367298	96.25	ng	0.08
23) Nitrobenzene-d5	7.36	82	242663	73.35	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	237158	107.17	ng	0.01
45) 2-Fluorobiphenyl	9.16	172	518436	41.67	ng	0.00
79) Terphenyl-d14	12.91	244	1133787	80.41	ng	0.01

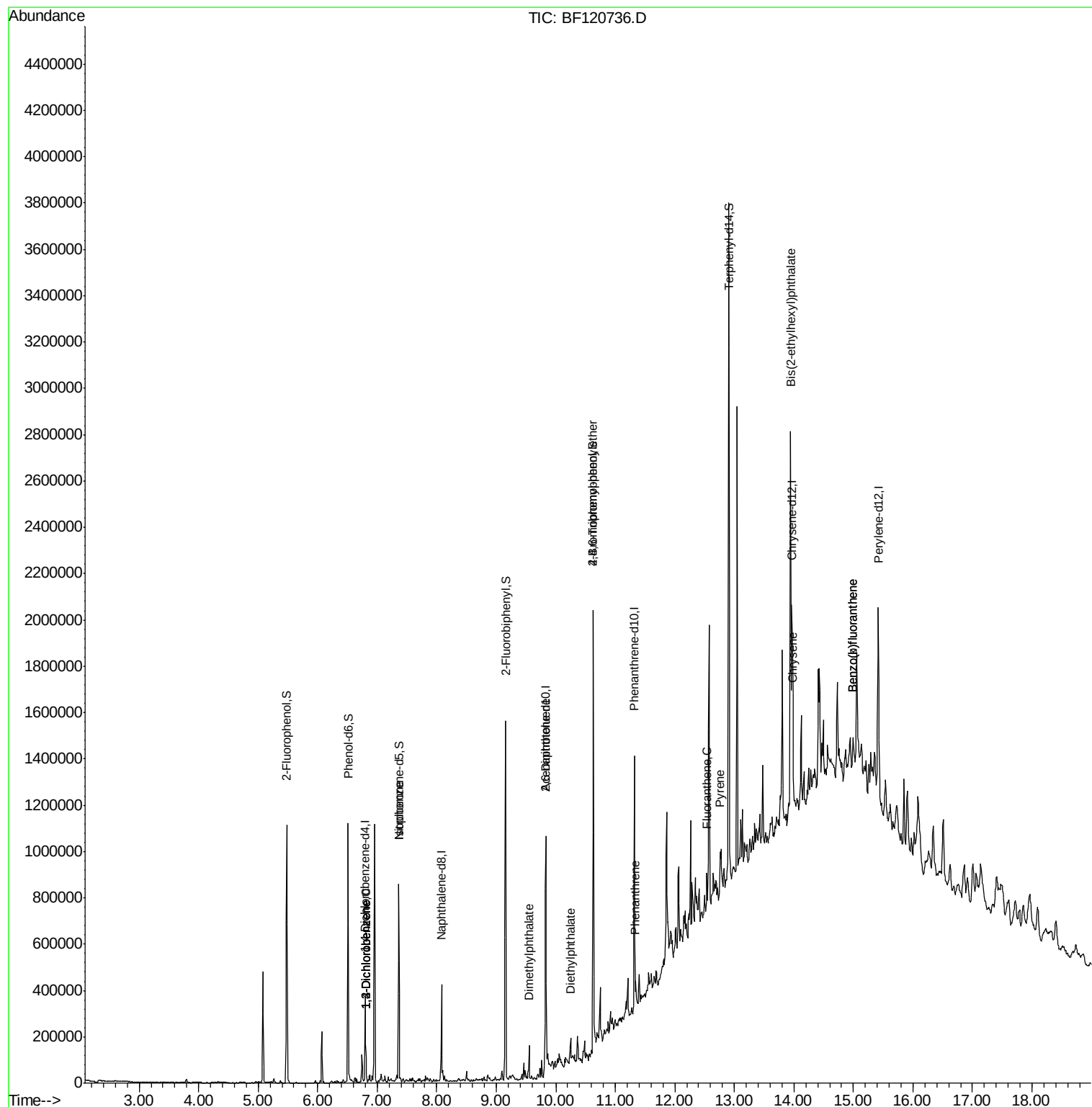
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
12) 1,3-Dichlorobenzene	6.82	146	19992	5.432	ng	98
13) 1,4-Dichlorobenzene	6.82	146	19992	5.505	ng	94
14) 1,2-Dichlorobenzene	6.82	146	19992	5.651	ng	96
25) Isophorone	7.36	82	242659	37.652	ng	# 62
50) Dimethylphthalate	9.55	163	43849	3.199	ng	99
51) 2,6-Dinitrotoluene	9.83	165	25595	8.239	ng	# 32
60) Diethylphthalate	10.25	149	28327	2.098	ng	98
67) 4-Bromophenyl-phenylether	10.63	248	14046	2.828	ng	# 1
71) Phenanthrene	11.34	178	43593	2.004	ng	# 95
75) Fluoranthene	12.53	202	66455	2.672	ng	97
78) Pyrene	12.76	202	72188	3.272	ng	96
83) Chrysene	13.99	228	38912	2.027	ng	# 90
84) Bis(2-ethylhexyl)phthalate	13.94	149	555154	46.428	ng	99
88) Benzo(b)fluoranthene	14.99	252	68643	3.347	ng	# 65
89) Benzo(k)fluoranthene	14.99	252	68643	3.782	ng	# 64

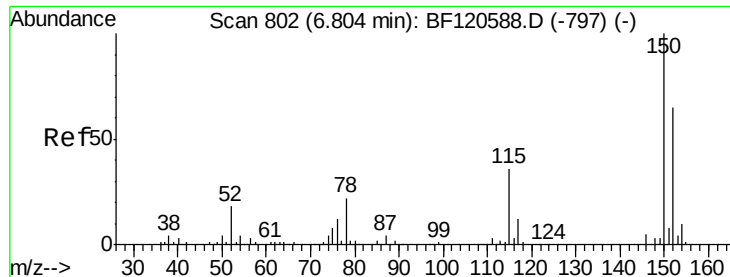
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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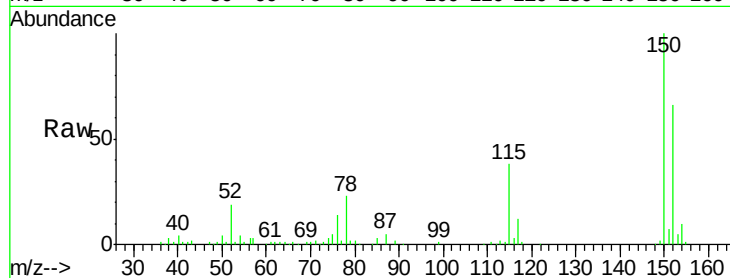


#1

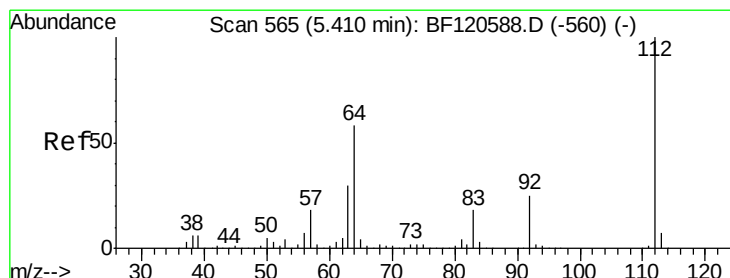
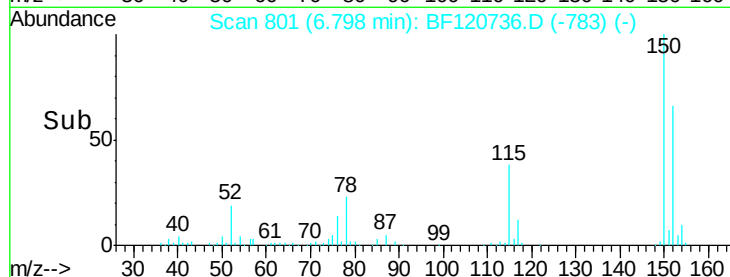
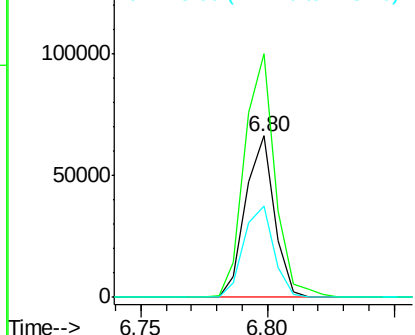
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF120736.D
Acq: 29 Jun 2020 19:18

Instrument :
BNA_F
ClientSampled :
RBR-61

Tot Ion:152 Resp: 52527
Ion Ratio Lower Upper
152 100
150 150.9 124.6 187.0
115 56.9 44.2 66.4



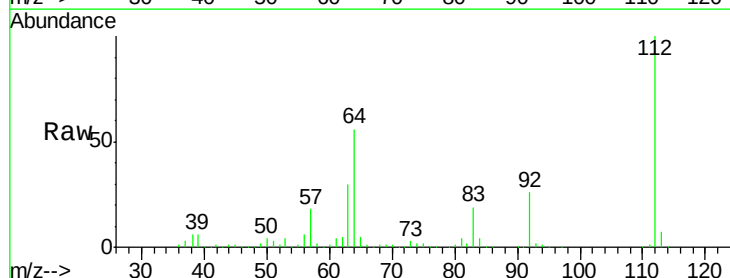
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



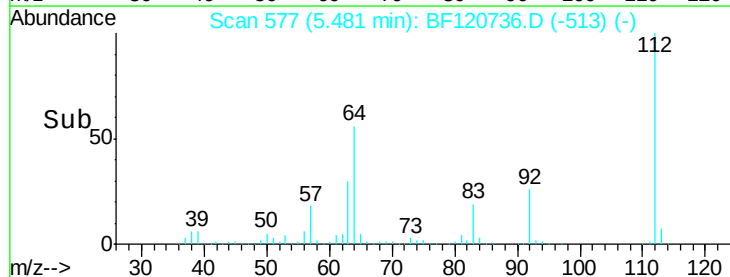
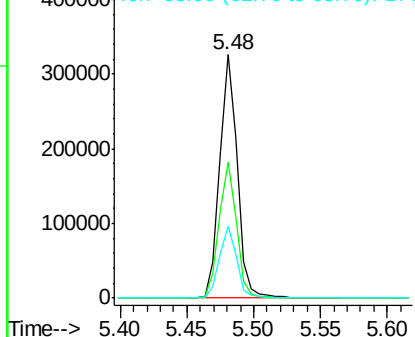
#5

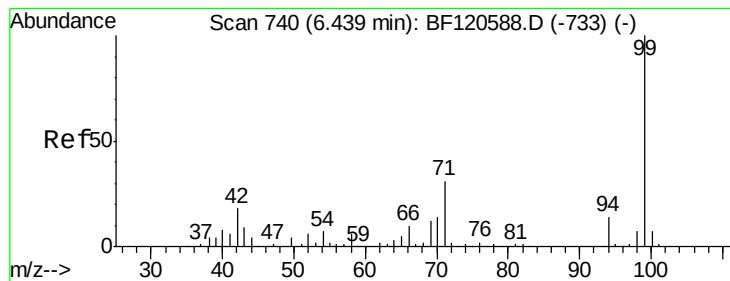
2-Fluorophenol
Concen: 100.025 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.08 min
Lab File: BF120736.D
Acq: 29 Jun 2020 19:18

Tgt Ion:112 Resp: 306454
Ion Ratio Lower Upper
112 100
64 55.9 42.2 63.2
63 29.7 21.7 32.5



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: 96.254 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.08 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

Instrument :

BNA_F

ClientSampleId :

RBR-61

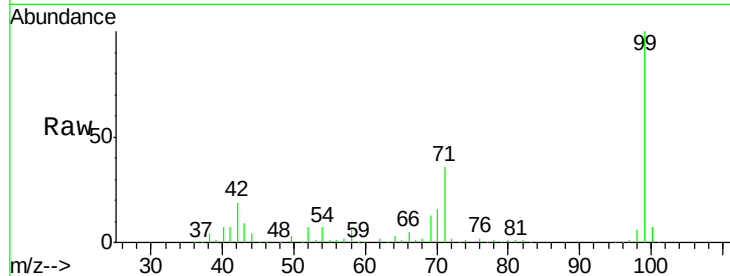
Tot Ion: 99 Resp: 367298

Ion Ratio Lower Upper

99 100

42 18.7 14.2 21.4

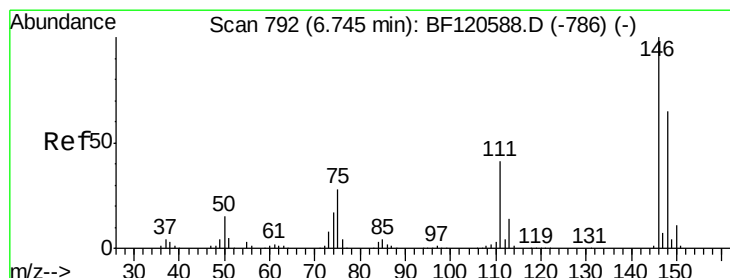
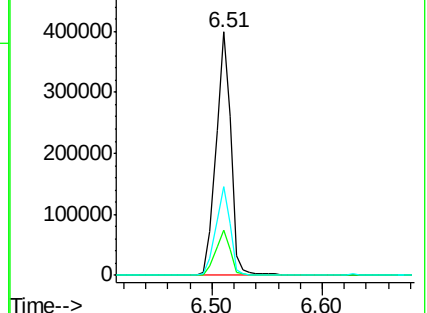
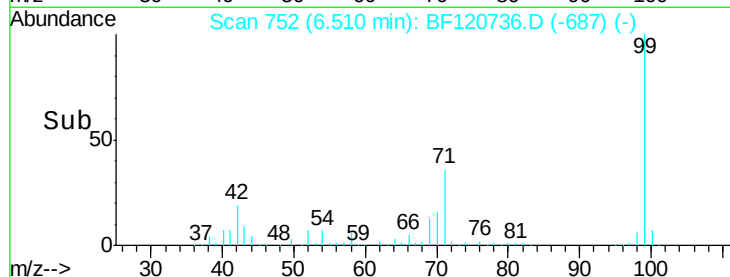
71 36.4 25.4 38.2



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



#12

1,3-Dichlorobenzene

Concen: 5.432 ng

RT: 6.82 min Scan# 804

Delta R.T. 0.08 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

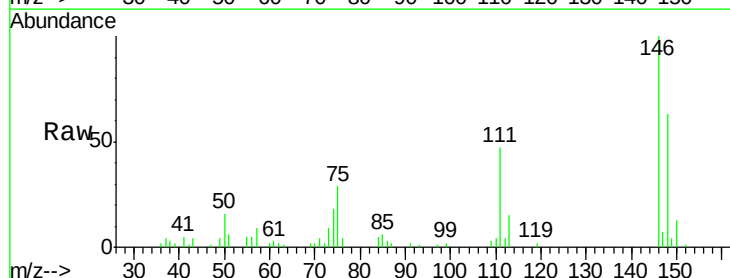
Tgt Ion: 146 Resp: 19992

Ion Ratio Lower Upper

146 100

148 62.8 51.1 76.7

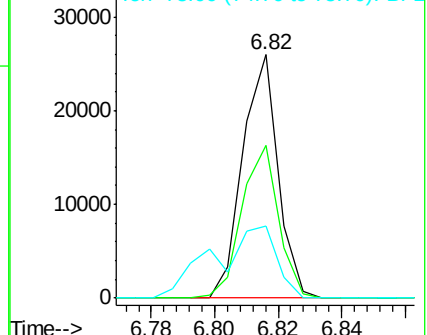
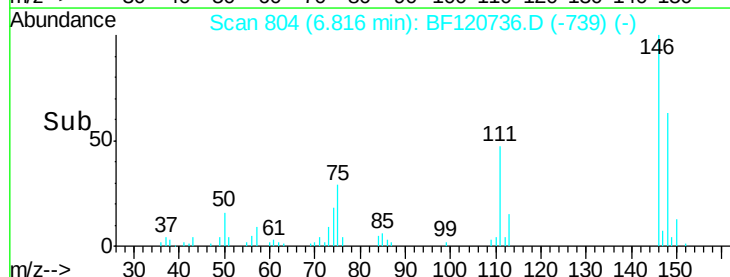
75 29.4 21.5 32.3

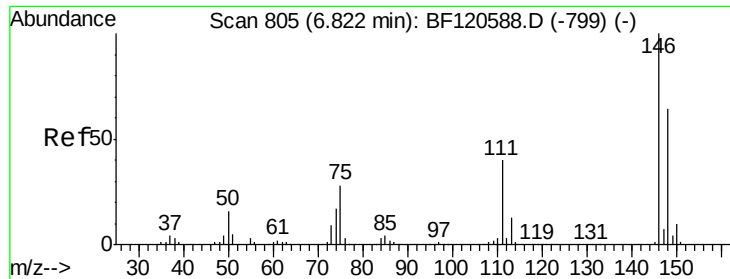


Abundance Ion 146.00 (145.70 to 146.70): E

Ion 148.00 (147.70 to 148.70): E

Ion 75.00 (74.70 to 75.70): BF1

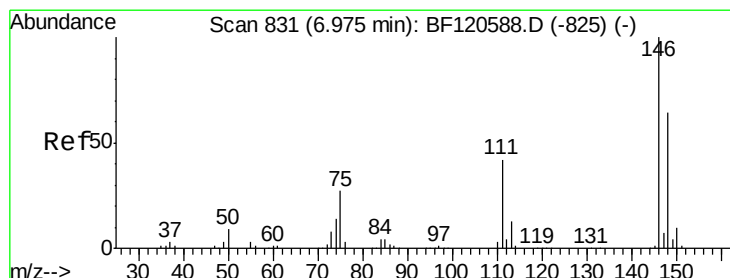
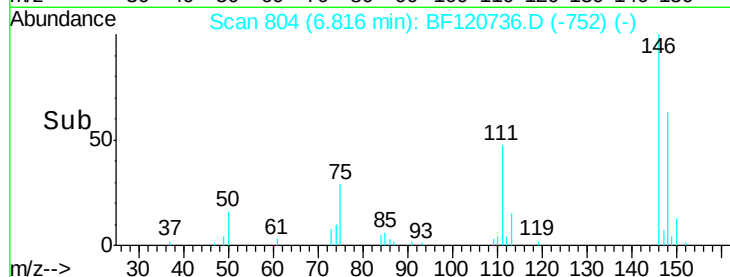
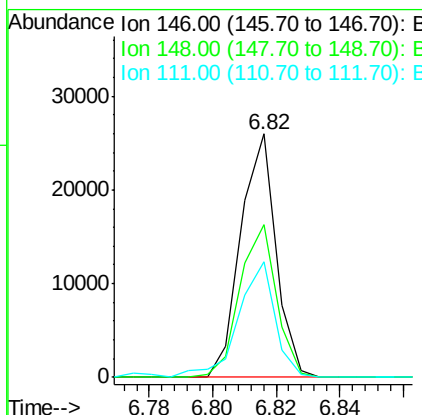
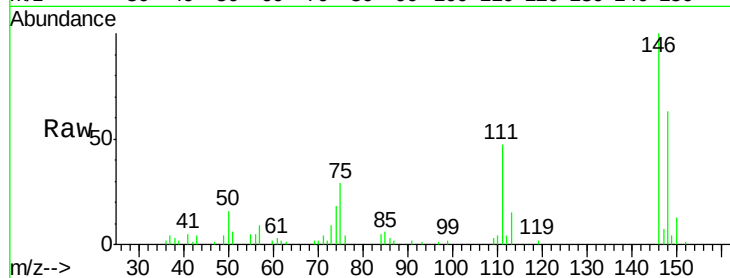




#13
 1,4-Dichlorobenzene
 Concen: 5.505 ng
 RT: 6.82 min Scan# 804
 Delta R.T. 0.01 min
 Lab File: BF120736.D
 Acq: 29 Jun 2020 19:18

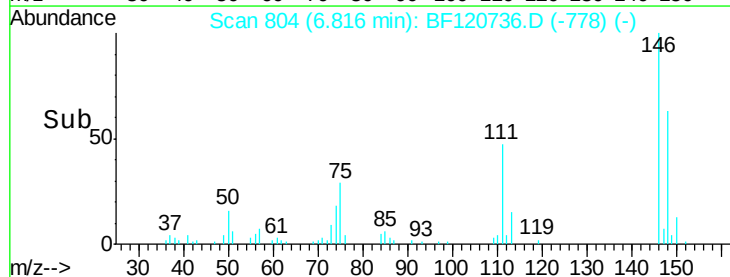
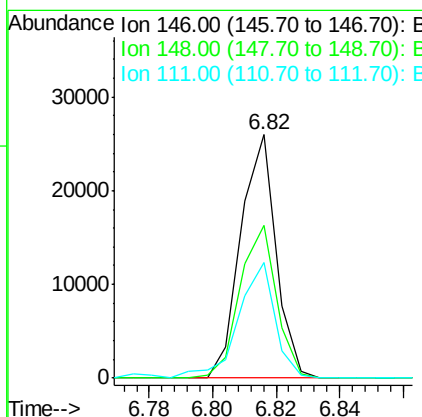
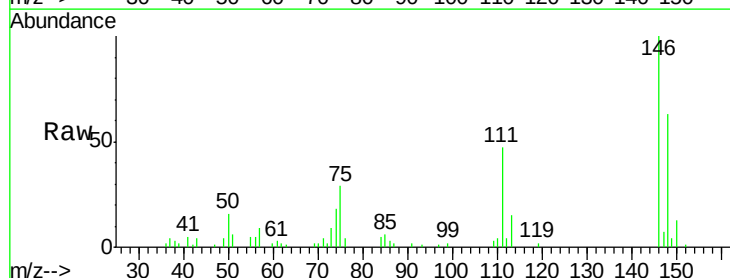
Instrument :
 BNA_F
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 RBR-61

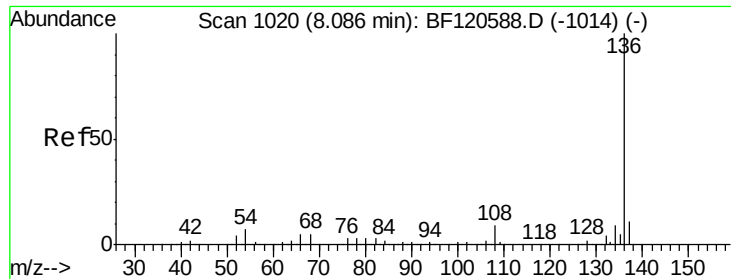
Tot Ion:146 Resp: 19992
 Ion Ratio Lower Upper
 146 100
 148 62.8 51.4 77.0
 111 47.4 32.2 48.2



#14
 1,2-Dichlorobenzene
 Concen: 5.651 ng
 RT: 6.82 min Scan# 804
 Delta R.T. -0.15 min
 Lab File: BF120736.D
 Acq: 29 Jun 2020 19:18

Tgt Ion:146 Resp: 19992
 Ion Ratio Lower Upper
 146 100
 148 62.8 51.0 76.6
 111 47.4 33.6 50.4

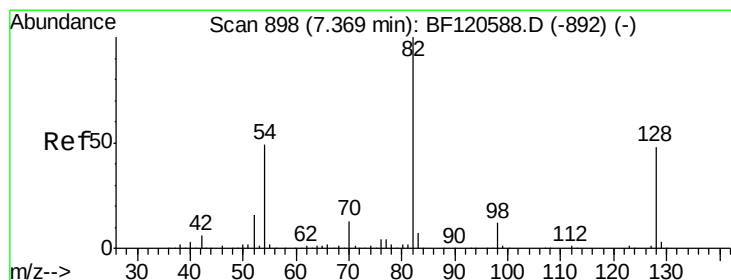
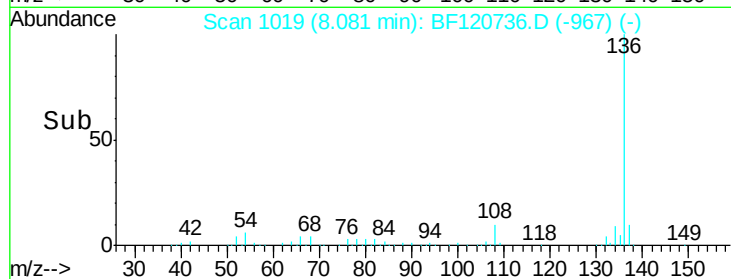
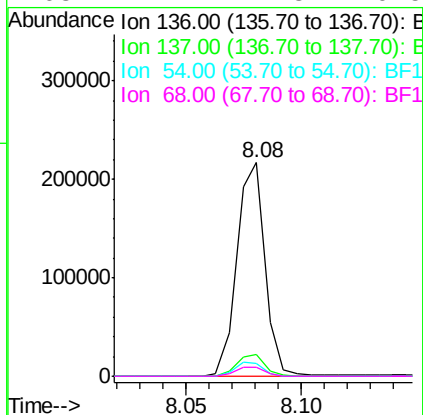
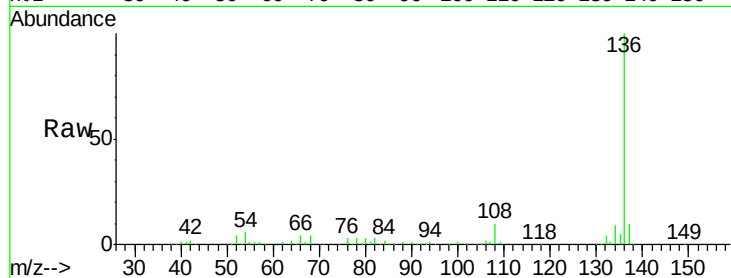




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF120736.D
Acq: 29 Jun 2020 19:18

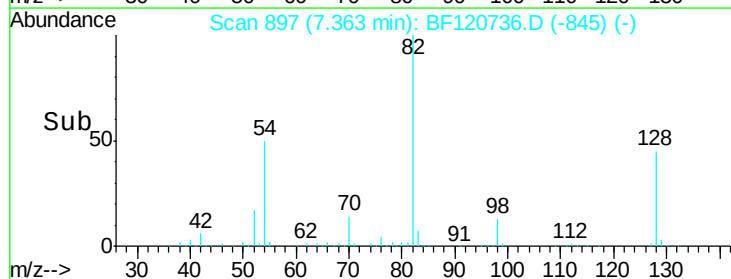
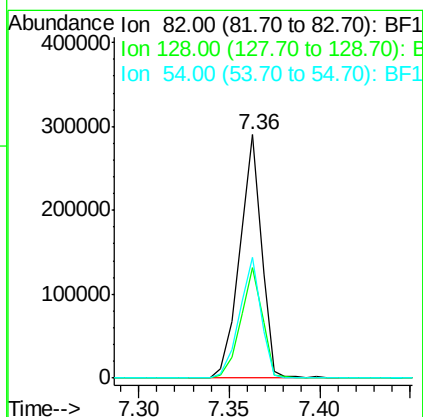
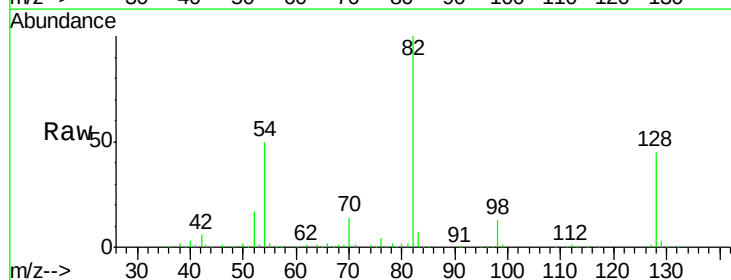
Instrument :
BNA_F
ClientSampleId :
RBR-61

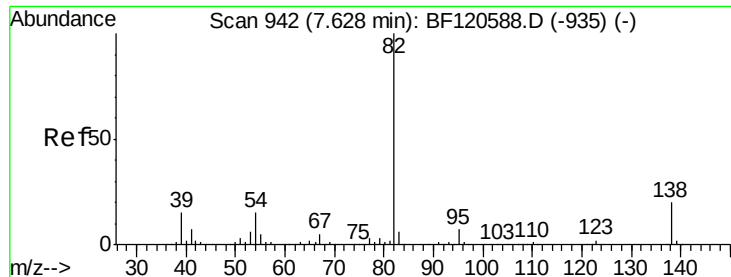
Tot Ion:136	Resp:	184934
Ion	Ratio	Lower Upper
136	100	
137	10.3	8.6 12.8
54	6.1	5.3 7.9
68	4.2	4.3 6.5#



#23
Nitrobenzene-d5
Concen: 73.345 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.01 min
Lab File: BF120736.D
Acq: 29 Jun 2020 19:18

Tgt Ion: 82	Resp:	242663
Ion	Ratio	Lower Upper
82	100	
128	45.3	38.1 57.1
54	49.5	38.8 58.2





#25

Isophorone

Concen: 37.652 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

Instrument :

BNA_F

ClientSampleId :

RBR-61

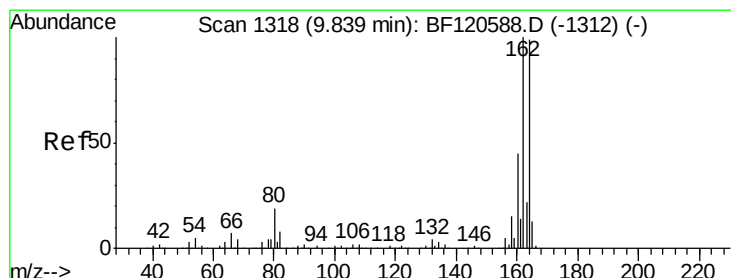
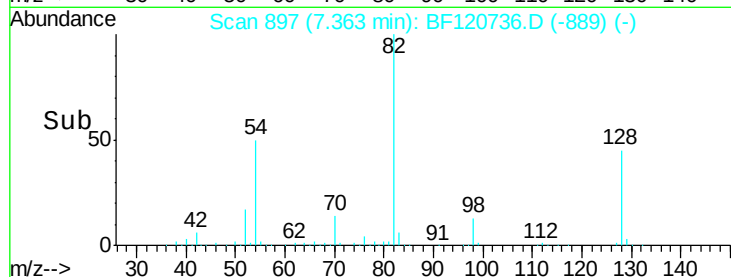
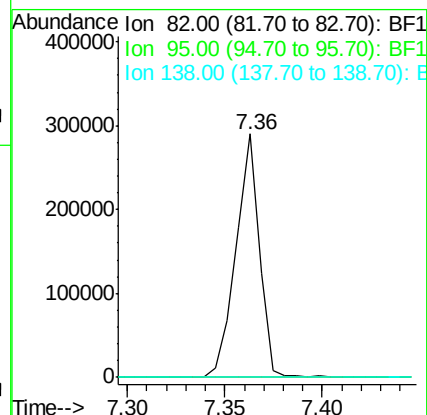
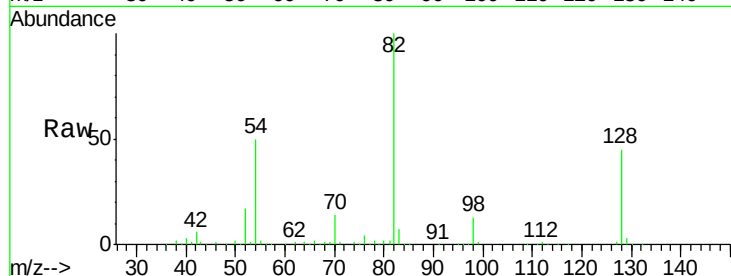
Tot Ion: 82 Resp: 242659

Ion Ratio Lower Upper

82 100

95 0.1 5.6 8.4#

138 0.0 16.1 24.1#



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.01 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

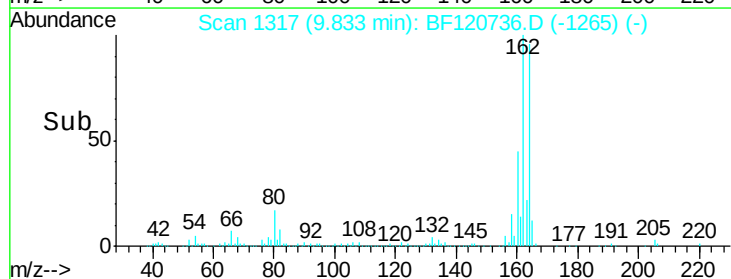
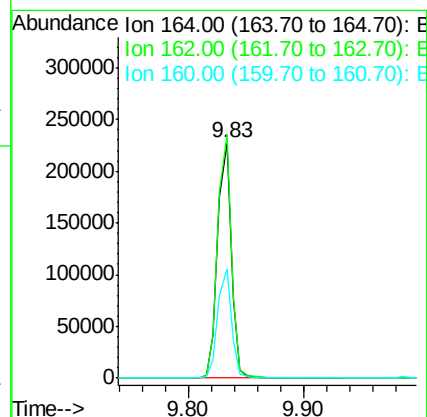
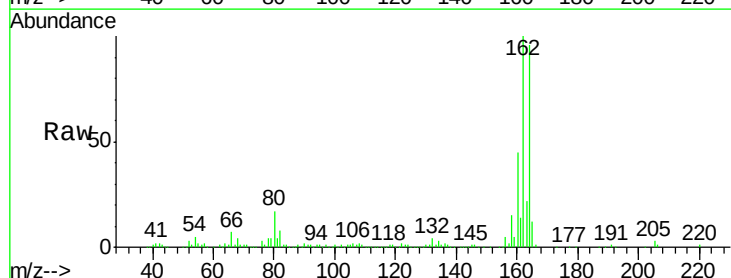
Tgt Ion:164 Resp: 190343

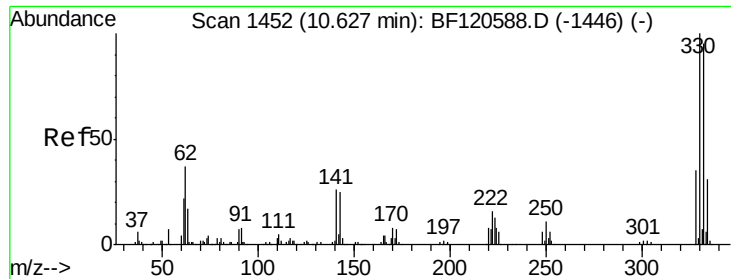
Ion Ratio Lower Upper

164 100

162 103.7 81.4 122.0

160 46.3 36.6 55.0





#42

2,4,6-Tribromophenol

Concen: 107.166 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

Instrument :

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RBR-61

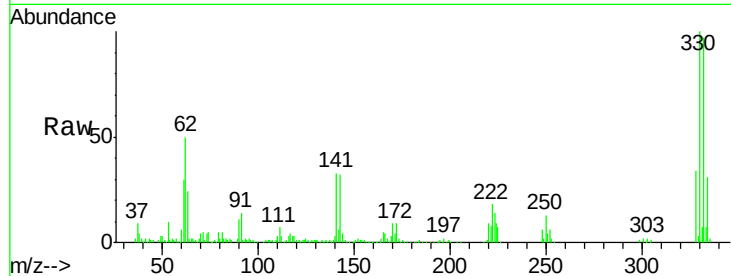
Tot Ion:330 Resp: 237158

Ion Ratio Lower Upper

330 100

332 97.9 76.4 114.6

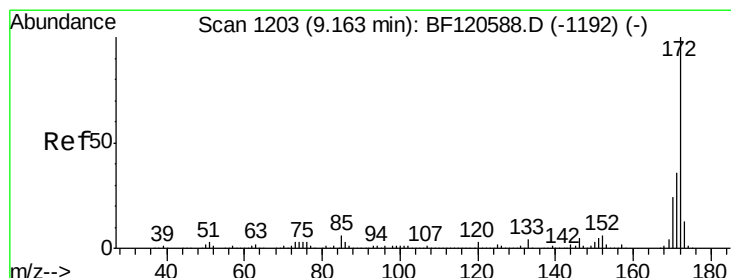
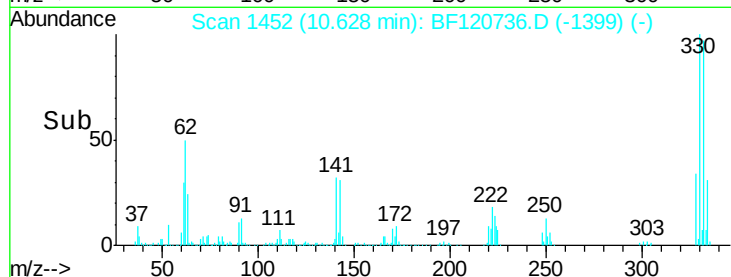
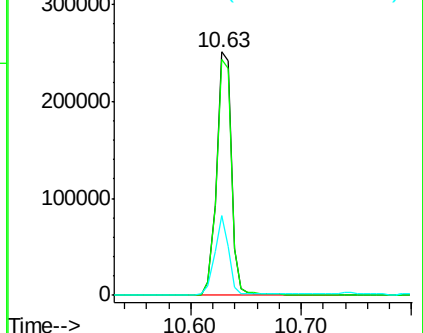
141 30.4 23.0 34.6



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: 41.672 ng

RT: 9.16 min Scan# 1202

Delta R.T. 0.01 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

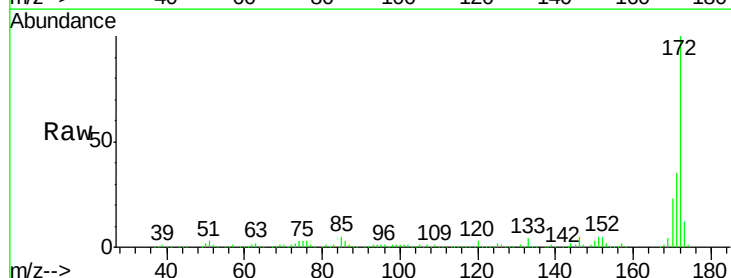
Tgt Ion:172 Resp: 518436

Ion Ratio Lower Upper

172 100

171 34.9 28.6 43.0

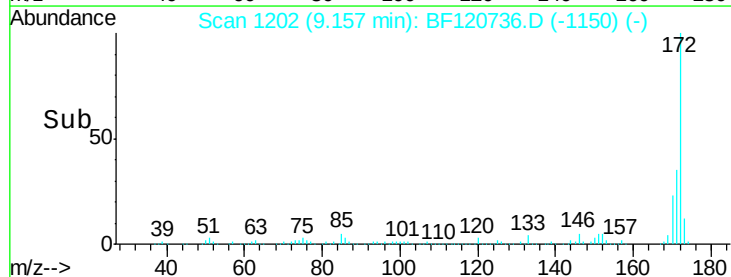
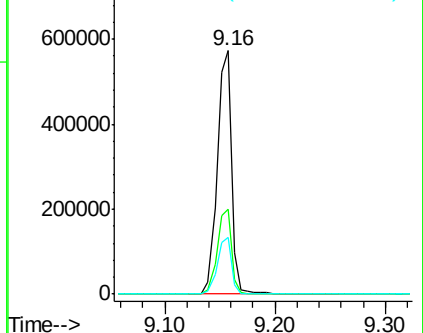
170 23.1 19.1 28.7

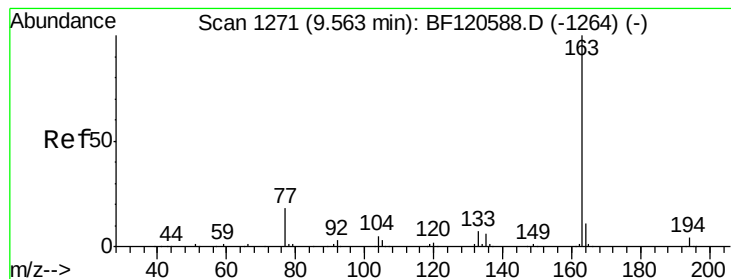


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 3.199 ng

RT: 9.55 min Scan# 1269

Delta R.T. -0.00 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

Instrument :

BNA_F

ClientSampleId :

RBR-61

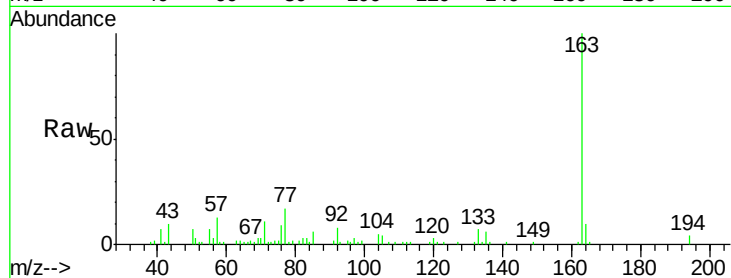
Tot Ion:163 Resp: 43849

Ion Ratio Lower Upper

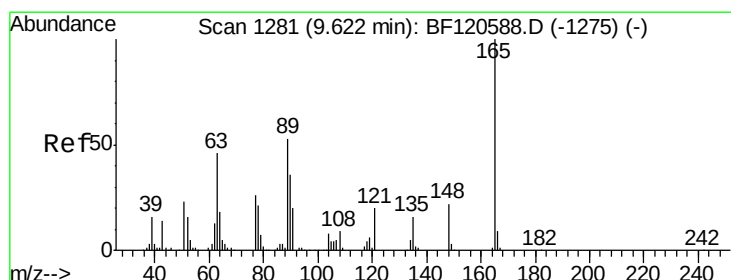
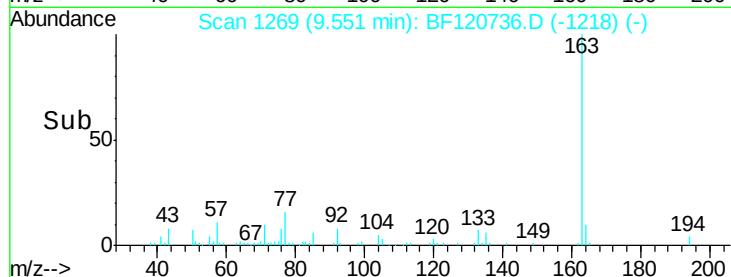
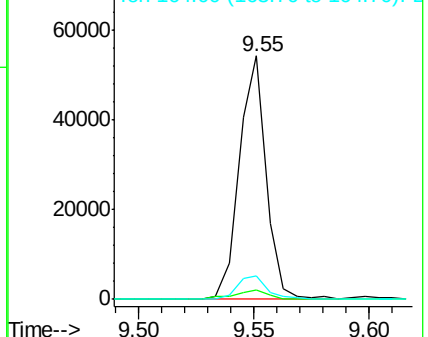
163 100

194 3.8 3.0 4.6

164 9.8 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



#51

2,6-Dinitrotoluene

Concen: 8.239 ng

RT: 9.83 min Scan# 1317

Delta R.T. 0.22 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

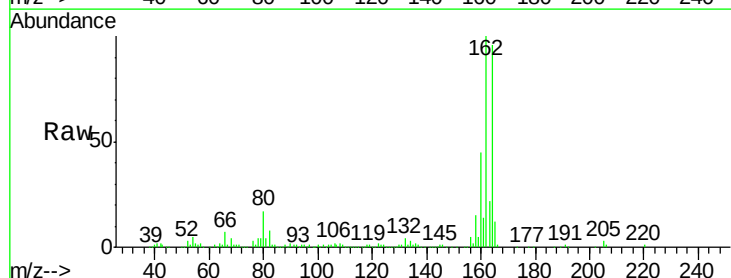
Tgt Ion:165 Resp: 25595

Ion Ratio Lower Upper

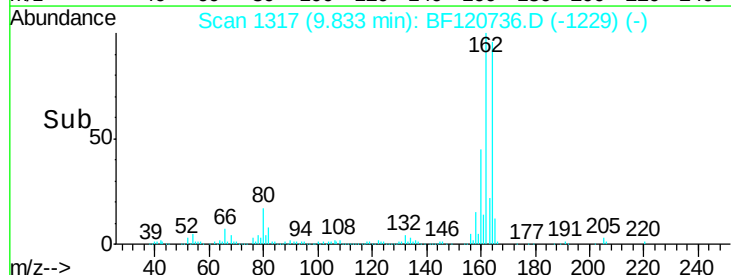
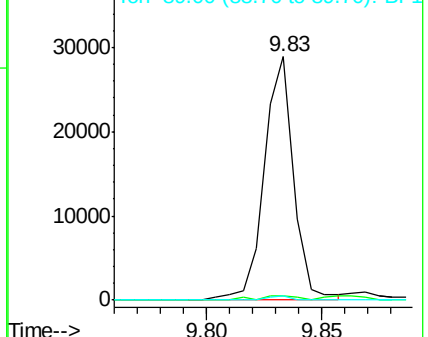
165 100

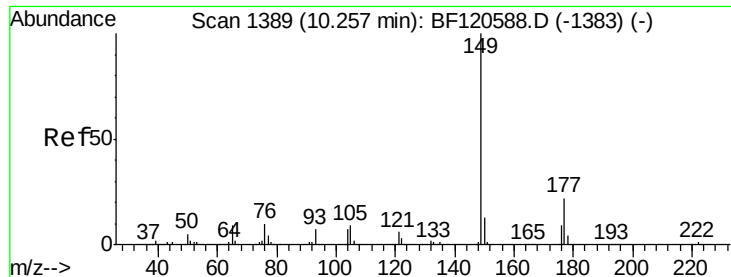
63 1.6 36.8 55.2#

89 1.8 39.4 59.0#



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





#60

Diethylphthalate

Concen: 2.098 ng

RT: 10.25 min Scan# 1388

Delta R.T. -0.00 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

Instrument :

BNA_F

ClientSampleId :

RBR-61

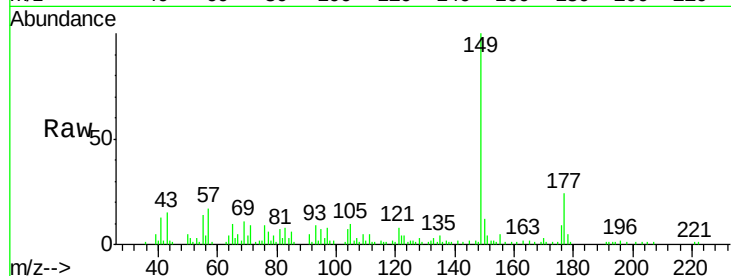
Tot Ion:149 Resp: 28327

Ion Ratio Lower Upper

149 100

177 23.6 18.0 27.0

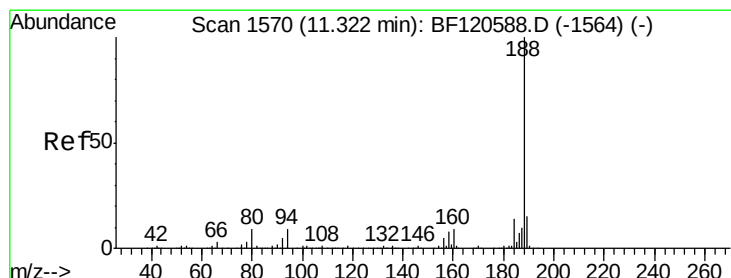
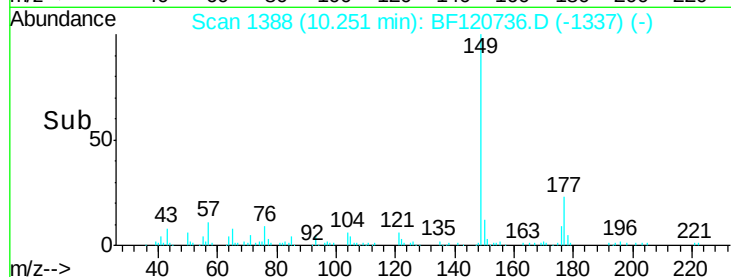
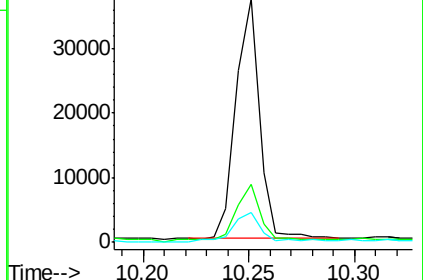
150 12.1 9.8 14.6



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.01 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

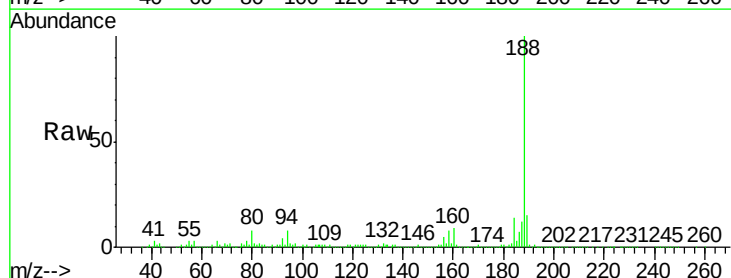
Tgt Ion:188 Resp: 437660

Ion Ratio Lower Upper

188 100

94 8.0 7.5 11.3

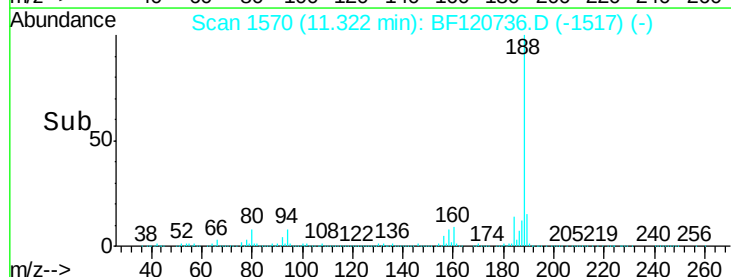
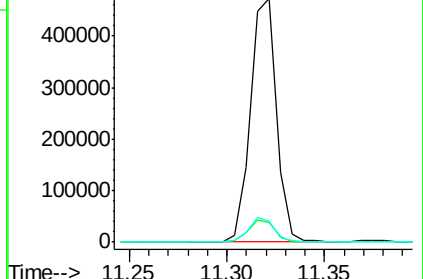
80 8.5 7.7 11.5

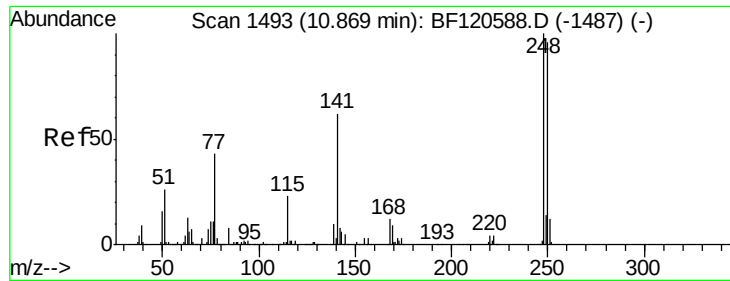


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

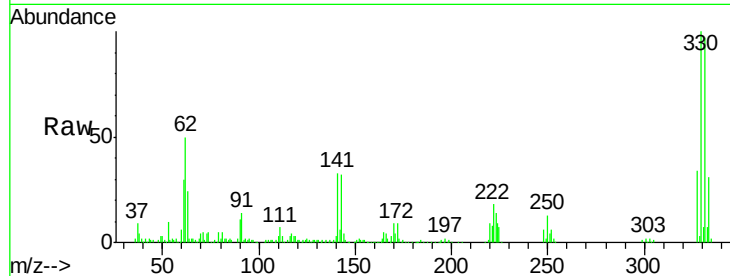




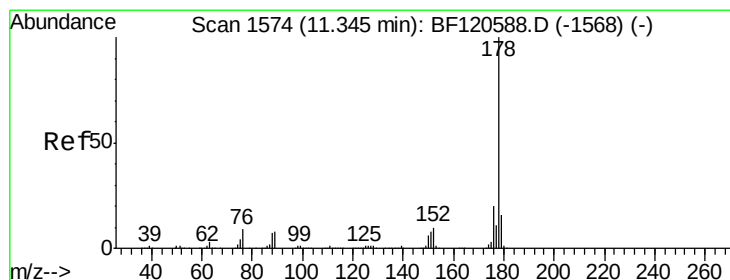
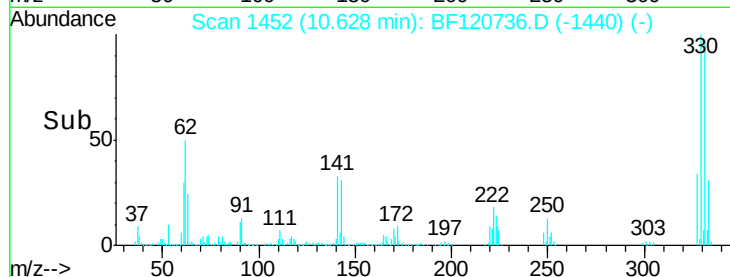
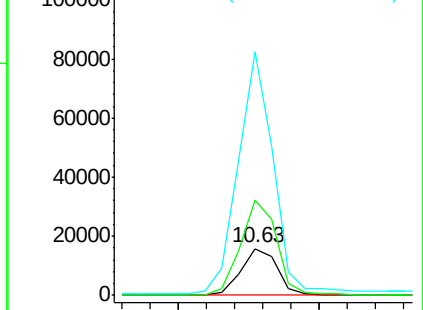
#67
 4-Bromophenyl-phenylether
 Concen: 2.828 ng
 RT: 10.63 min Scan# 1452
 Delta R.T. -0.23 min
 Lab File: BF120736.D
 Acq: 29 Jun 2020 19:18

Instrument :
 BNA_F
 ClientSampleId :
 RBR-61

Tot Ion:248 Resp: 14046
 Ion Ratio Lower Upper
 248 100
 250 203.4 77.8 116.6#
 141 522.6 52.0 78.0#

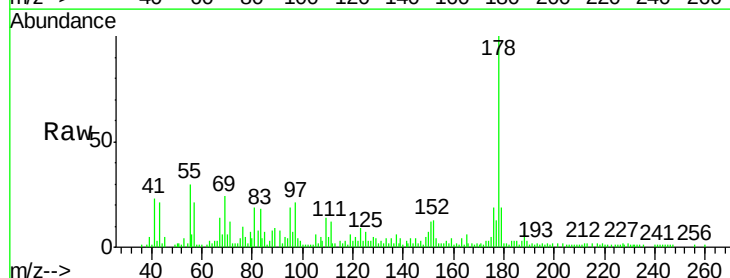


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

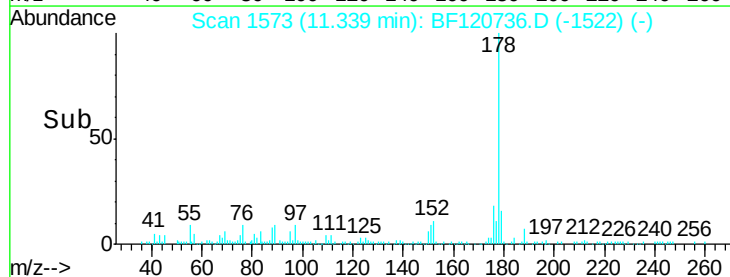
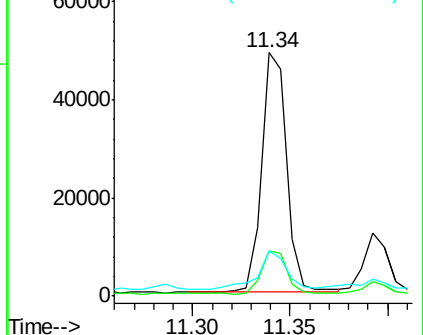


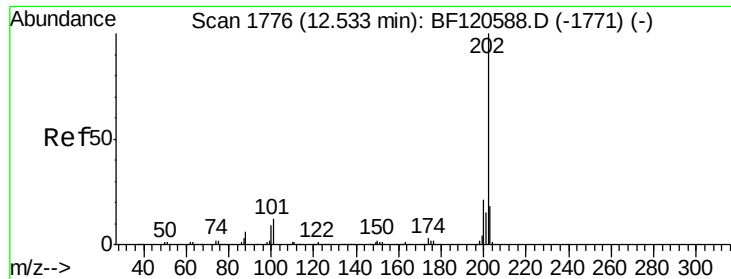
#71
 Phenanthrene
 Concen: 2.004 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.00 min
 Lab File: BF120736.D
 Acq: 29 Jun 2020 19:18

Tgt Ion:178 Resp: 43593
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.8 23.6
 179 18.6 12.3 18.5#



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: 2.672 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

Instrument :

BNA_F

ClientSampleId :

RBR-61

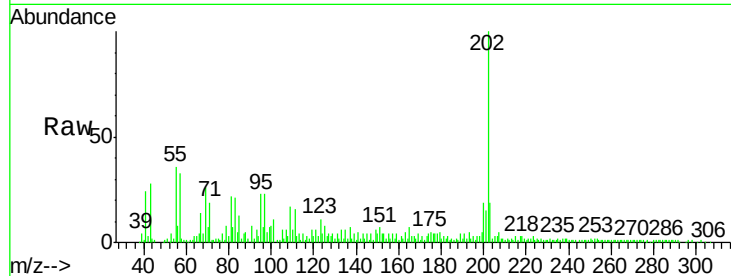
Tot Ion:202 Resp: 66455

Ion Ratio Lower Upper

202 100

101 10.9 0.0 29.8

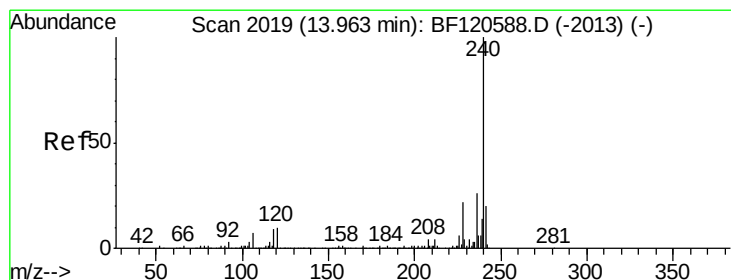
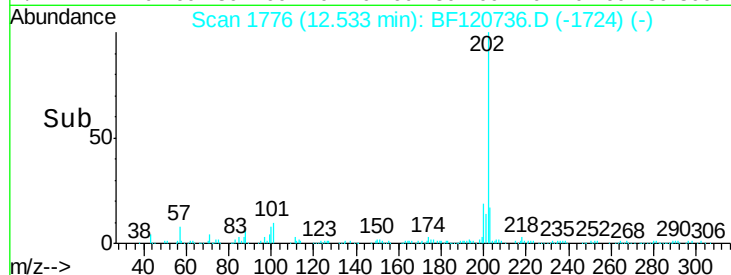
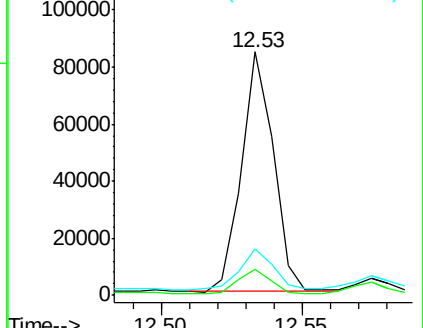
203 19.1 0.0 37.7



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: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

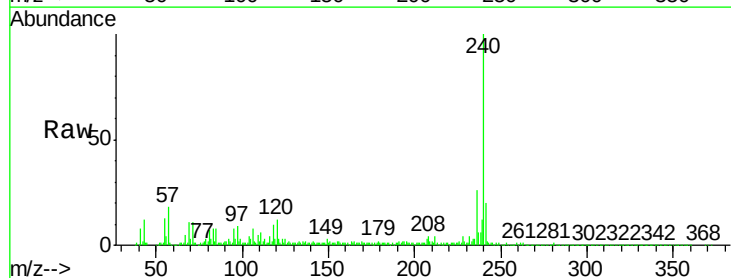
Tgt Ion:240 Resp: 311468

Ion Ratio Lower Upper

240 100

120 11.8 7.6 11.4#

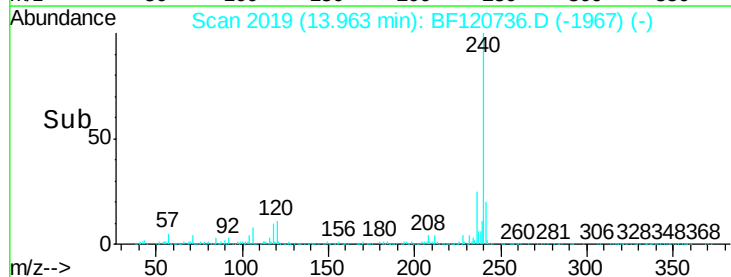
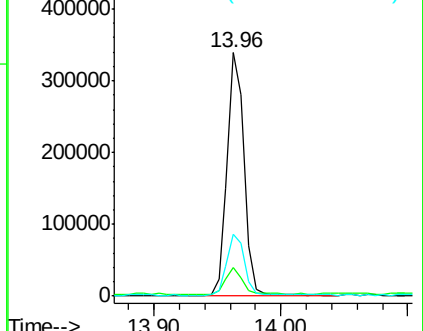
236 25.5 21.0 31.4

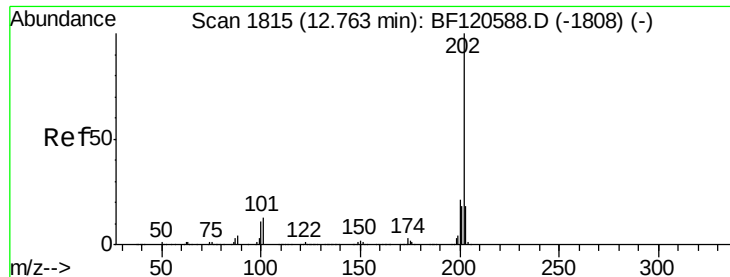


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

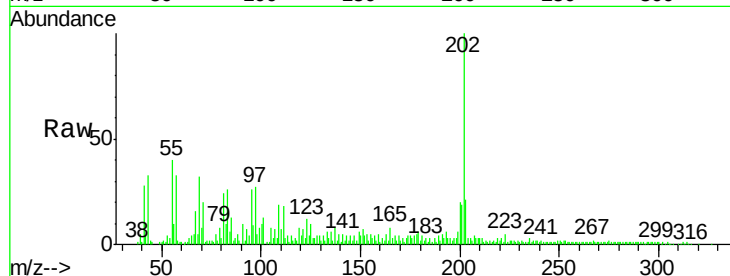




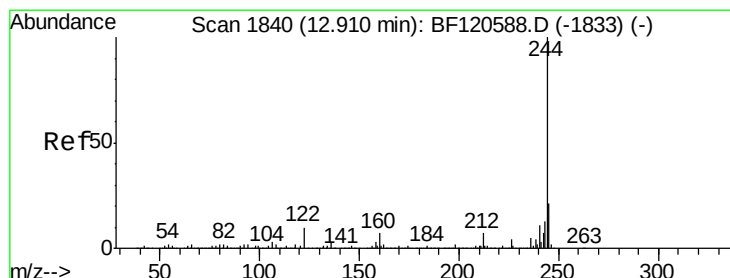
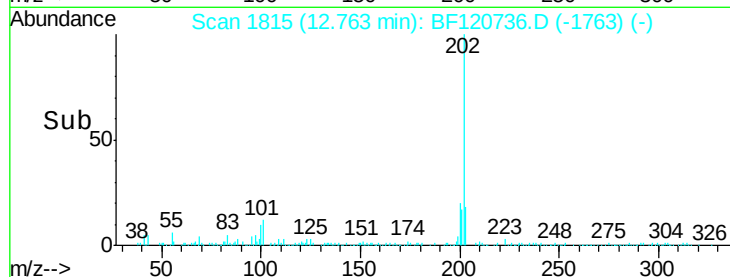
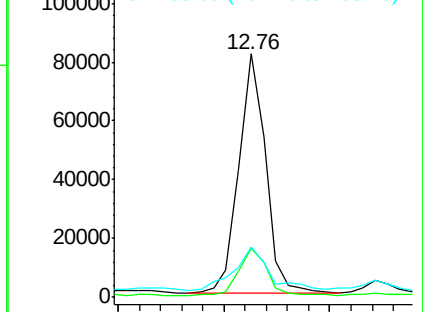
#78
Pvrene
Concen: 3.272 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF120736.D
Acq: 29 Jun 2020 19:18

Instrument :
BNA_F
ClientSampleId :
RBR-61

Tot Ion:202 Resp: 72188
Ion Ratio Lower Upper
202 100
200 20.3 16.6 25.0
203 20.6 14.2 21.2

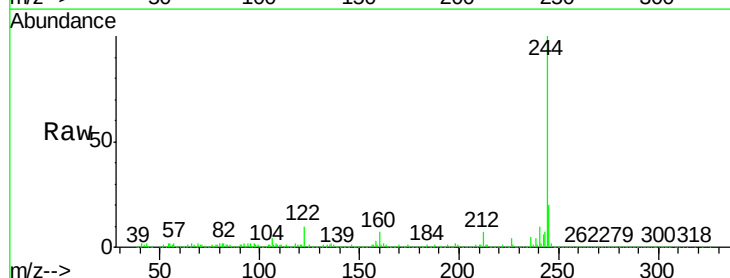


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

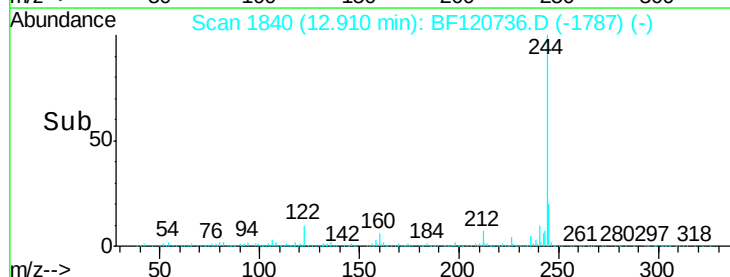
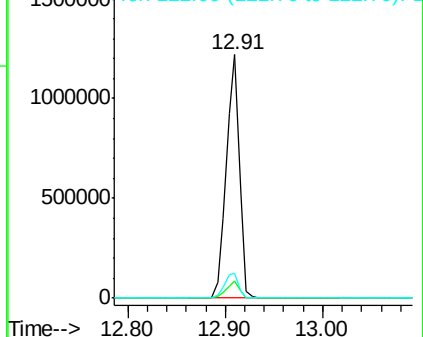


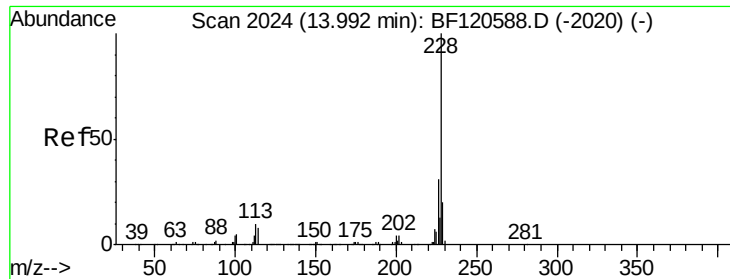
#79
Terphenyl-d14
Concen: 80.406 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BF120736.D
Acq: 29 Jun 2020 19:18

Tgt Ion:244 Resp: 1133787
Ion Ratio Lower Upper
244 100
212 6.8 5.6 8.4
122 10.4 8.8 13.2



Abundance Ion 244.00 (243.70 to 244.70): E
Ion 212.00 (211.70 to 212.70): E
Ion 122.00 (121.70 to 122.70): E





#83

Chrysene

Concen: 2.027 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

Instrument :

BNA_F

ClientSampled :

RBR-61

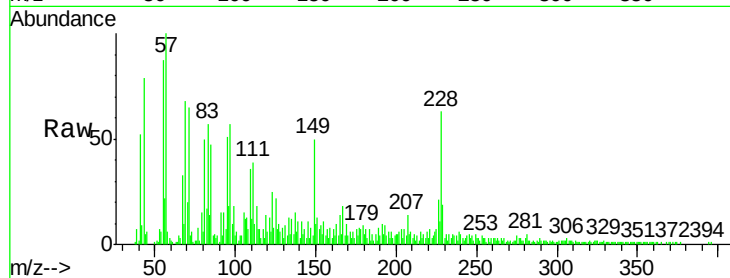
Tot Ion:228 Resp: 38912

Ion Ratio Lower Upper

228 100

226 32.9 25.0 37.6

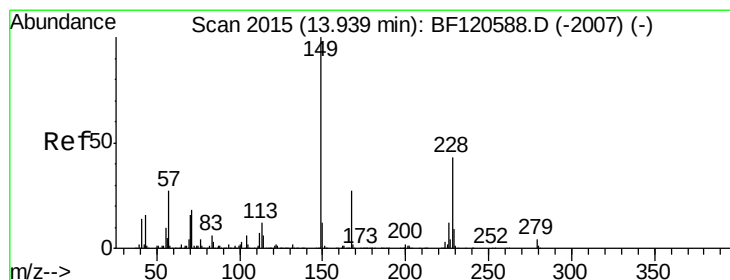
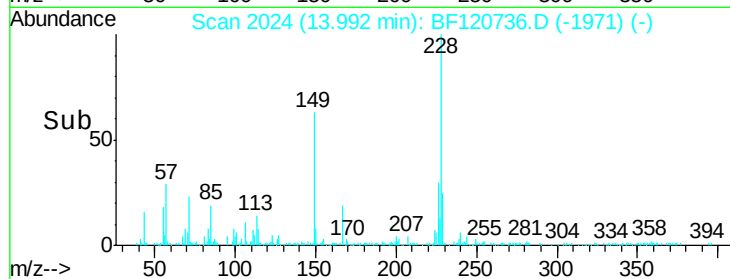
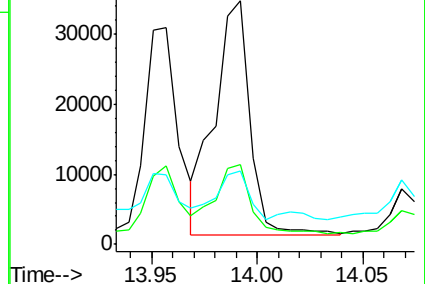
229 29.9 16.1 24.1#



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



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.428 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

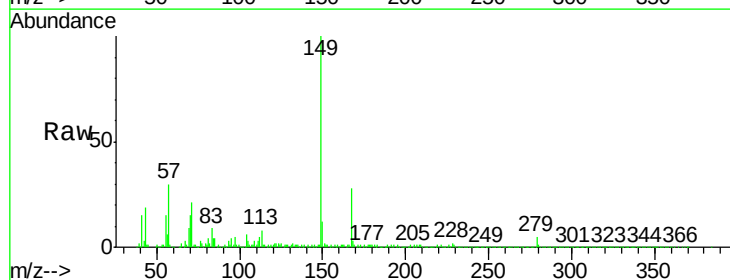
Tgt Ion:149 Resp: 555154

Ion Ratio Lower Upper

149 100

167 28.3 21.9 32.9

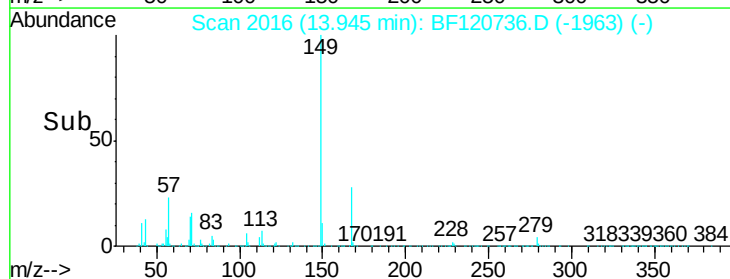
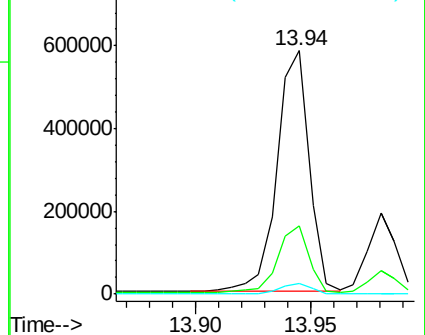
279 4.5 3.6 5.4

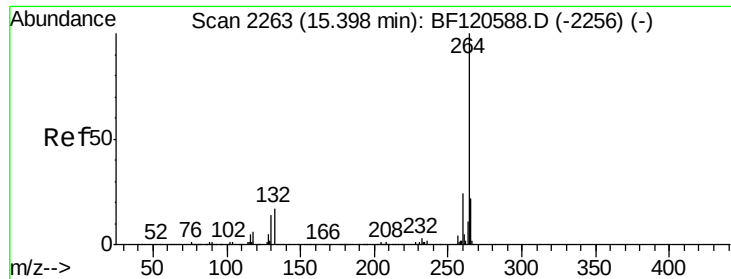


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



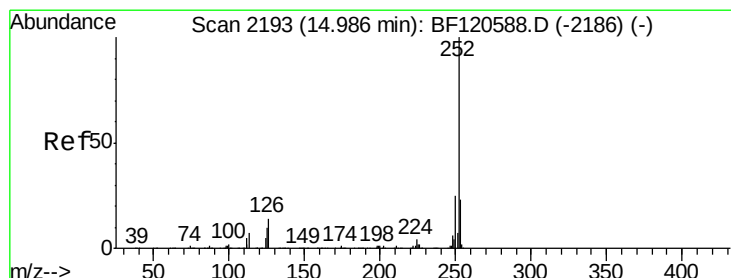
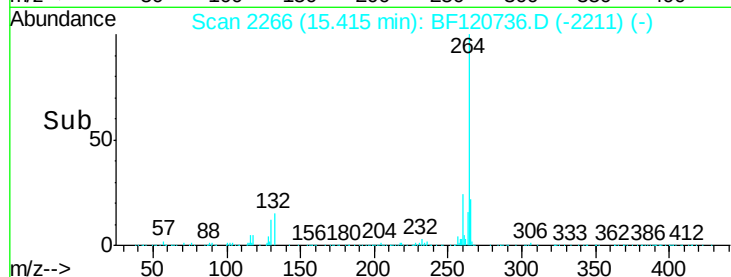
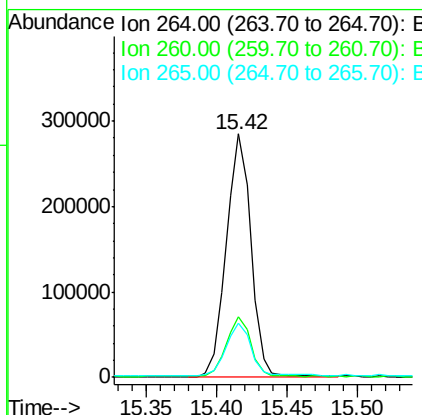
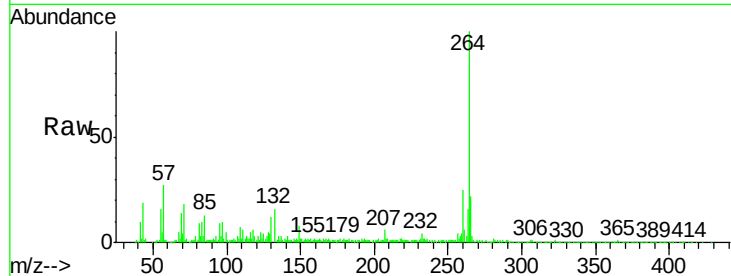


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. 0.02 min
Lab File: BF120736.D
Acq: 29 Jun 2020 19:18

Instrument :
BNA_F
ClientSampleId :
RBR-61

Tot Ion:264 Resp: 344330

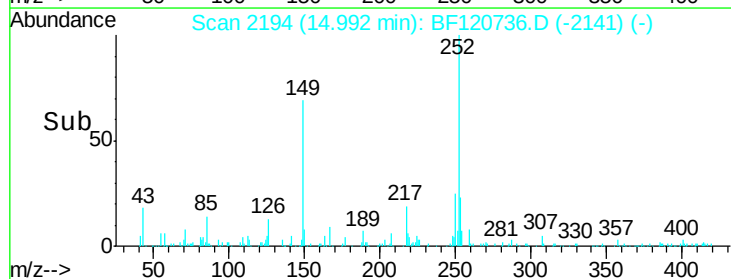
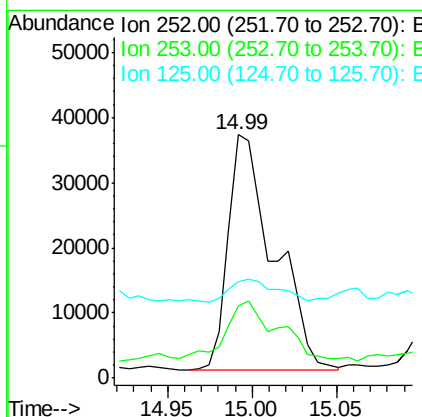
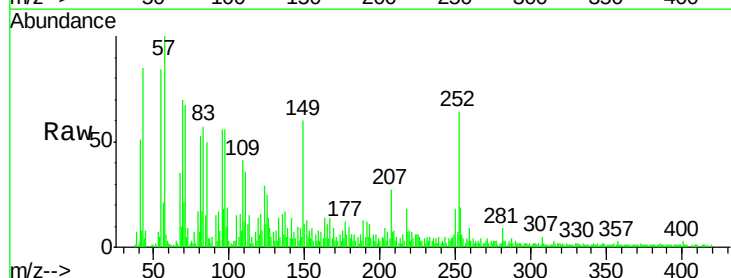
Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.4	29.2
265	22.3	17.4	26.0

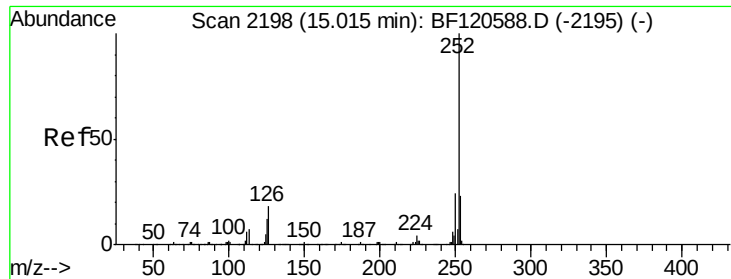


#88
Benzo(b)fluoranthene
Concen: 3.347 ng
RT: 14.99 min Scan# 2194
Delta R.T. 0.01 min
Lab File: BF120736.D
Acq: 29 Jun 2020 19:18

Tgt Ion:252 Resp: 68643

Ion	Ratio	Lower	Upper
252	100		
253	29.6	18.1	27.1#
125	39.6	7.9	11.9#





#89

Benzo(k)fluoranthene

Concen: 3.782 ng

RT: 14.99 min Scan# 2194

Delta R.T. -0.02 min

Lab File: BF120736.D

Acq: 29 Jun 2020 19:18

Instrument :

BNA_F

ClientSampleId :

RBR-61

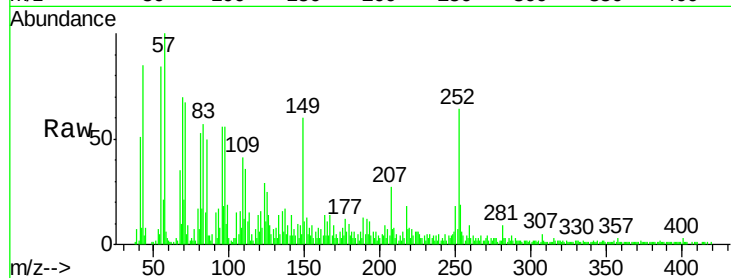
Tot Ion:252 Resp: 68643

Ion Ratio Lower Upper

252 100

253 29.6 17.4 26.2#

125 39.6 7.4 11.2#



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

