

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF062920\
 Data File : BF120737.D
 Acq On : 29 Jun 2020 19:46
 Operator : JU/CG
 Sample : L2819-06
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-062620

Quant Time: Jun 30 00:32:16 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	57182	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	200306	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	106772	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	441268	20.00	ng	0.00
76) Chrysene-d12	13.96	240	146873	20.00	ng	0.00
86) Perylene-d12	15.41	264	156575	20.00	ng	0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.48	112	324545	97.31	ng	0.08
7) Phenol-d6	6.51	99	385934	92.90	ng	0.08
23) Nitrobenzene-d5	7.36	82	245295	68.45	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	123857	99.77	ng	0.01
45) 2-Fluorobiphenyl	9.15	172	533180	76.40	ng	0.00
79) Terphenyl-d14	12.91	244	554643	83.41	ng	0.01

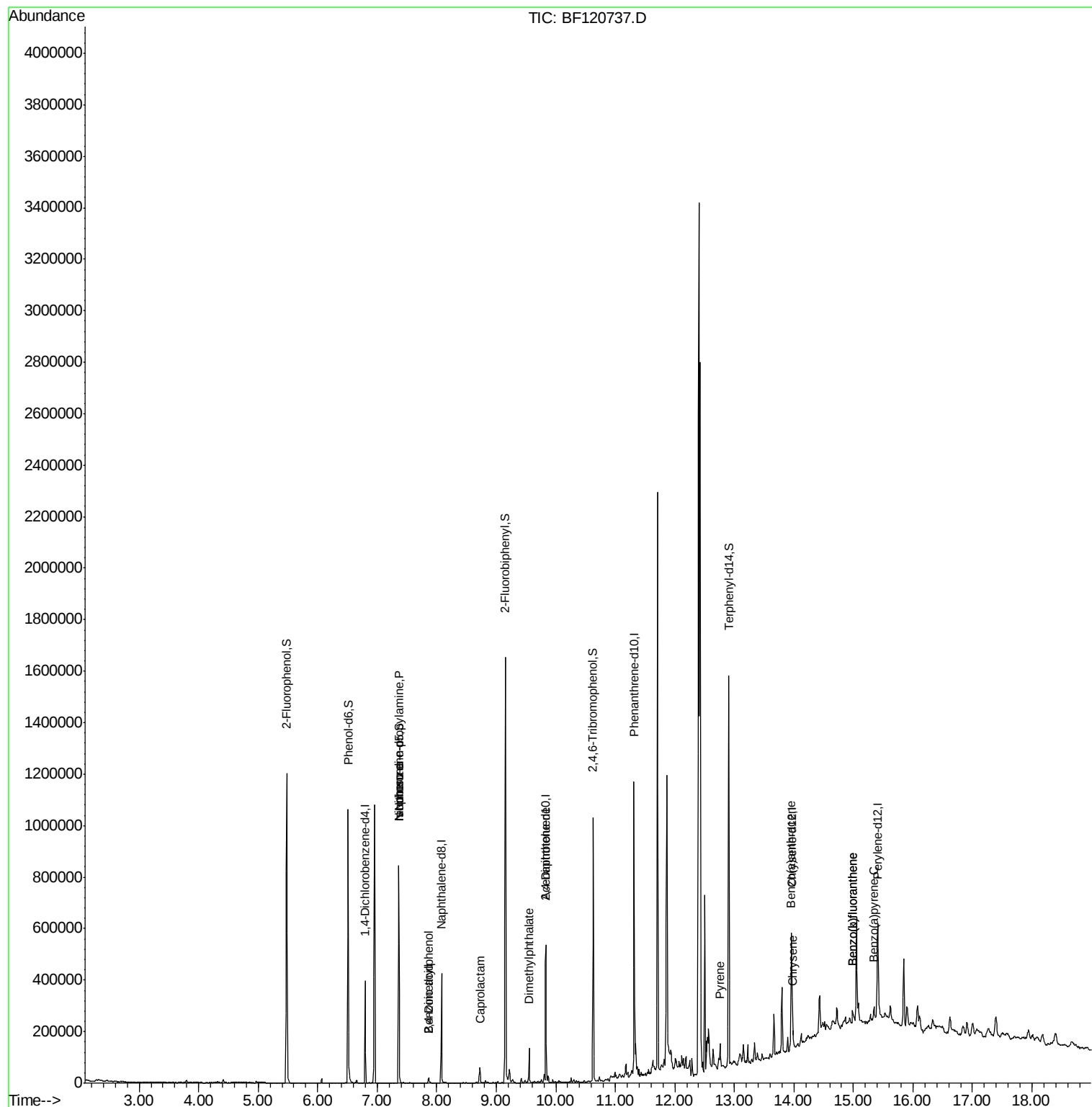
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.36	70	32917	13.661	ng	# 75
25) Isophorone	7.36	82	245293	35.140	ng	# 62
27) 2,4-Dimethylphenol	7.86	122	6386	2.186	ng	# 4
32) Benzoic acid	7.86	122	6386	2.849	ng	95
35) Caprolactam	8.73	113	14643	15.419	ng	# 1
50) Dimethylphthalate	9.55	163	52637	6.845	ng	100
57) 2,4-Dinitrotoluene	9.83	165	13787	5.962	ng	# 28
78) Pyrene	12.76	202	37198	3.575	ng	96
81) Benzo(a)anthracene	13.95	228	23806	2.698	ng	96
83) Chrysene	13.99	228	22236	2.457	ng	95
88) Benzo(b)fluoranthene	14.99	252	41285	4.426	ng	# 90
89) Benzo(k)fluoranthene	14.99	252	41285	5.002	ng	# 88
90) Benzo(a)pyrene	15.34	252	19634	2.352	ng	# 86

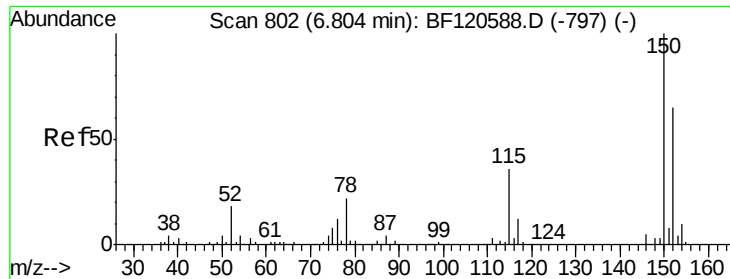
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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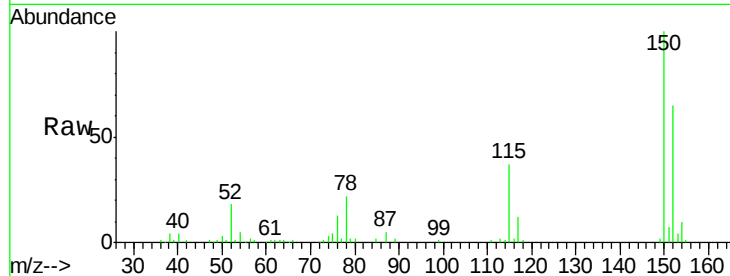


#1

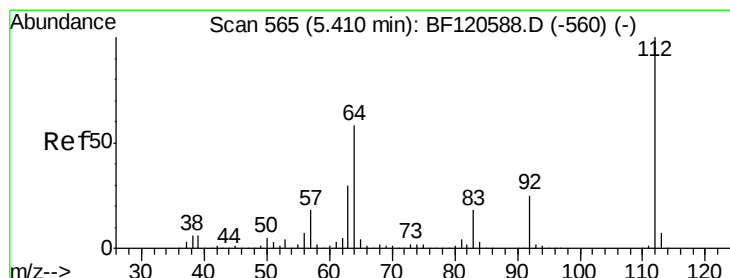
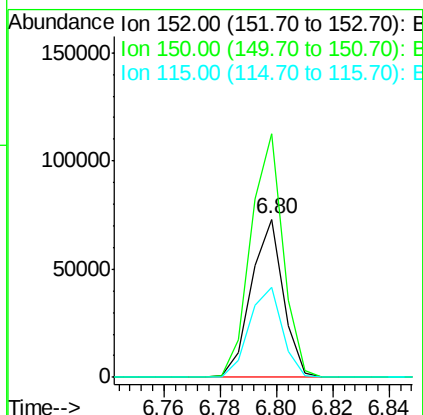
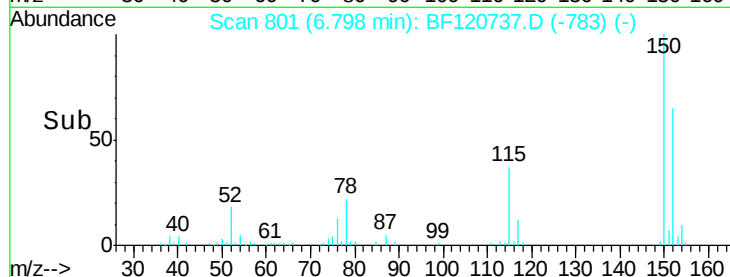
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 801
Delta R.T. 0.01 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Instrument :
BNA_F
ClientSampleId :
BU-03-062620

Tot Ion:152 Resp: 57182
Ion Ratio Lower Upper
152 100
150 154.1 124.6 187.0
115 57.3 44.2 66.4



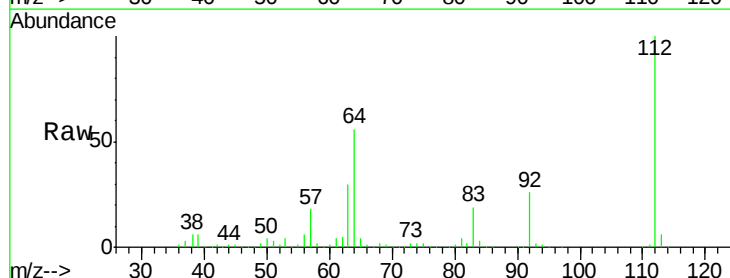
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



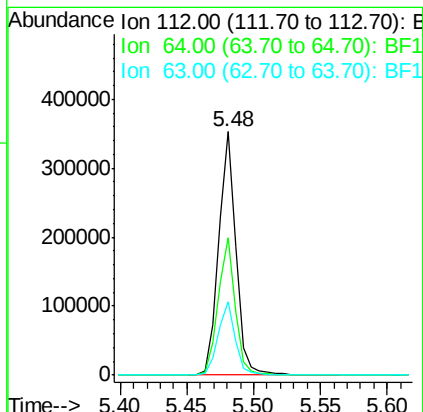
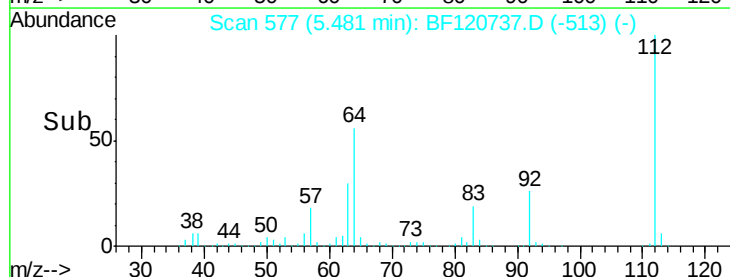
#5

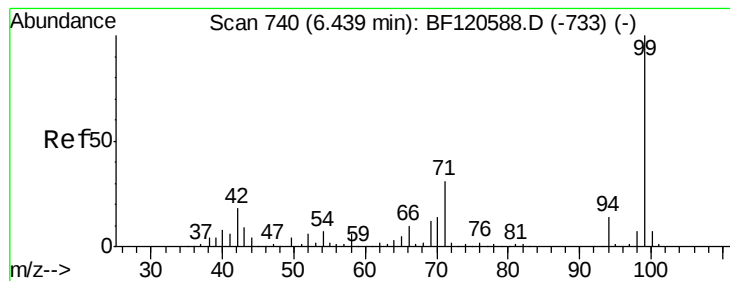
2-Fluorophenol
Concen: 97.306 ng
RT: 5.48 min Scan# 577
Delta R.T. 0.08 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Tgt Ion:112 Resp: 324545
Ion Ratio Lower Upper
112 100
64 56.3 42.2 63.2
63 30.3 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: 92.904 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.08 min

Lab File: BF120737.D

Acq: 29 Jun 2020 19:46

Instrument :

BNA_F

ClientSampleId :

BU-03-062620

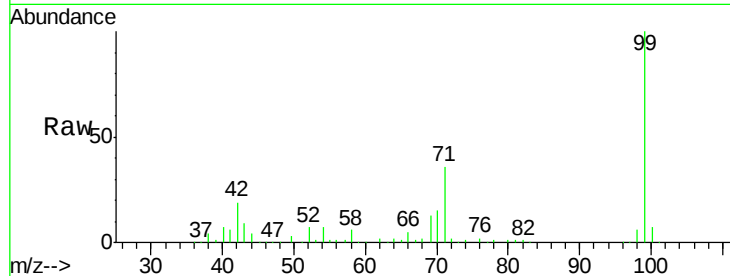
Tot Ion: 99 Resp: 385934

Ion Ratio Lower Upper

99 100

42 19.1 14.2 21.4

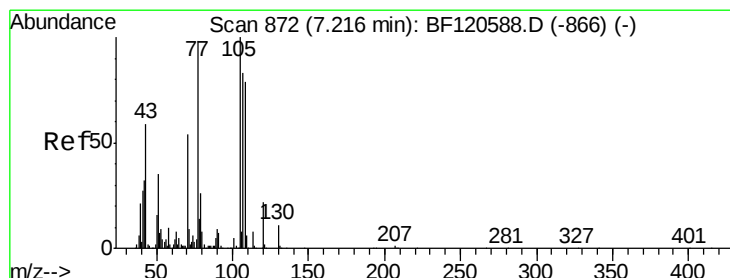
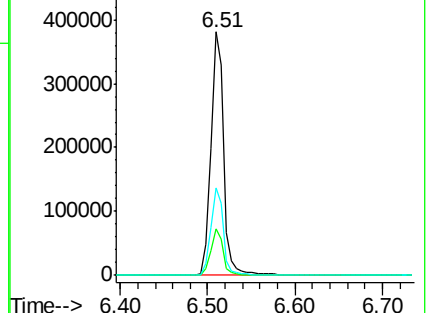
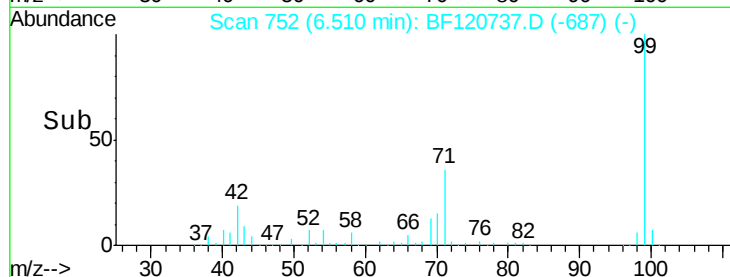
71 36.1 25.4 38.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 13.661 ng

RT: 7.36 min Scan# 897

Delta R.T. 0.16 min

Lab File: BF120737.D

Acq: 29 Jun 2020 19:46

Tgt Ion: 70 Resp: 32917

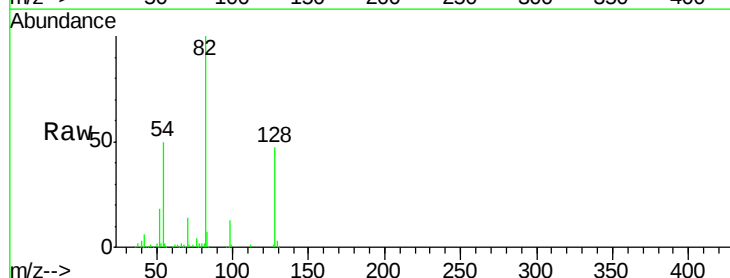
Ion Ratio Lower Upper

70 100

42 45.6 47.6 71.4#

101 0.0 7.6 11.4#

130 1.6 17.4 26.2#

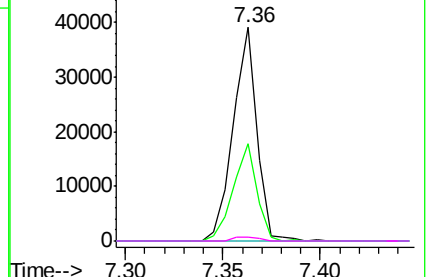
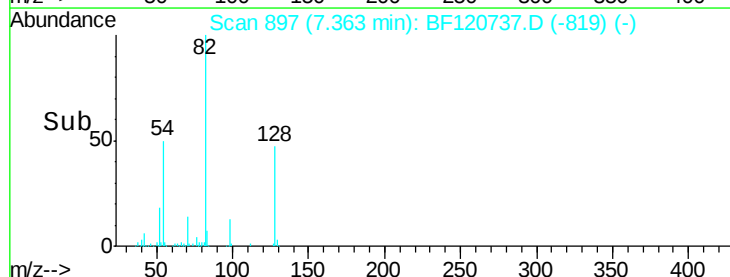


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

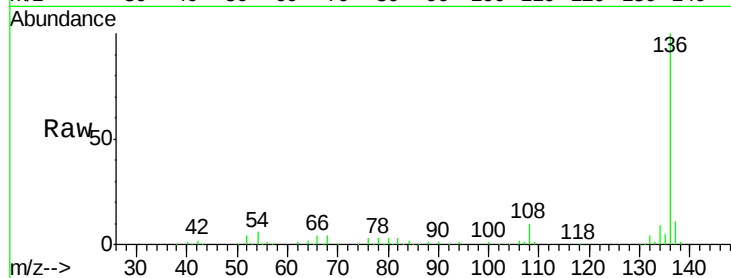




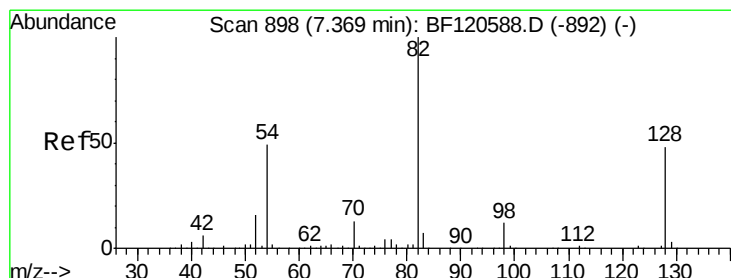
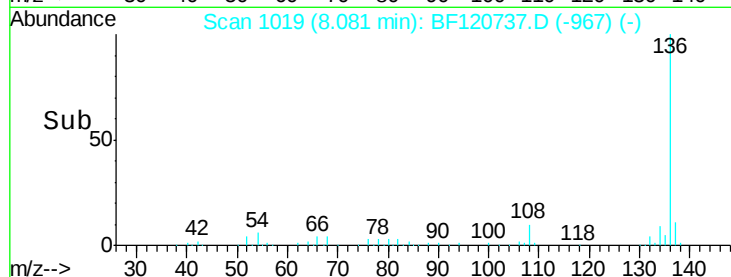
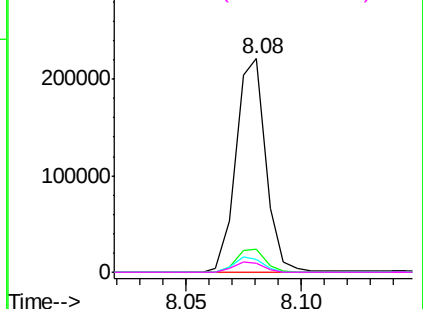
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.01 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Instrument :
BNA_F
ClientSampleId :
BU-03-062620

Tot Ion:136	Resp:	200306
Ion Ratio	Lower	Upper
136	100	
137	10.5	8.6 12.8
54	6.2	5.3 7.9
68	4.4	4.3 6.5

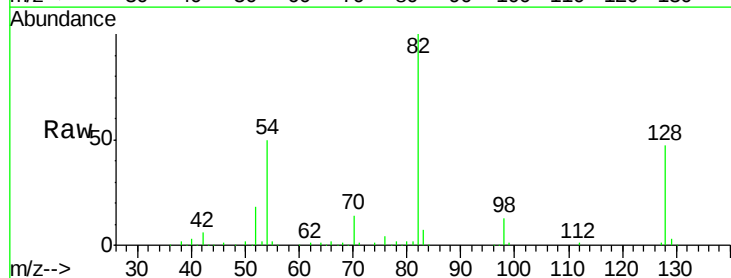


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

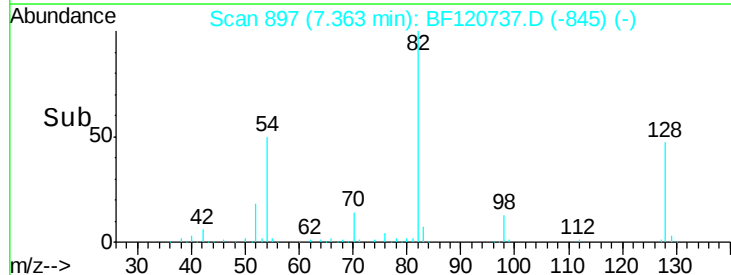
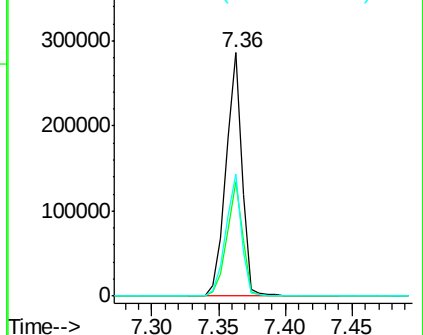


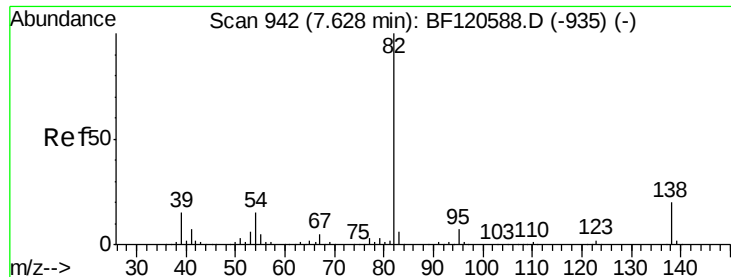
#23
Nitrobenzene-d5
Concen: 68.451 ng
RT: 7.36 min Scan# 897
Delta R.T. 0.01 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Tgt Ion: 82	Resp:	245295
Ion Ratio	Lower	Upper
82	100	
128	47.2	38.1 57.1
54	50.1	38.8 58.2



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: 35.140 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.25 min

Lab File: BF120737.D

Acq: 29 Jun 2020 19:46

Instrument :

BNA_F

ClientSampleId :

BU-03-062620

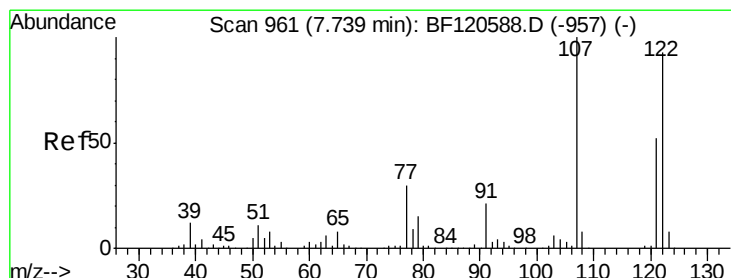
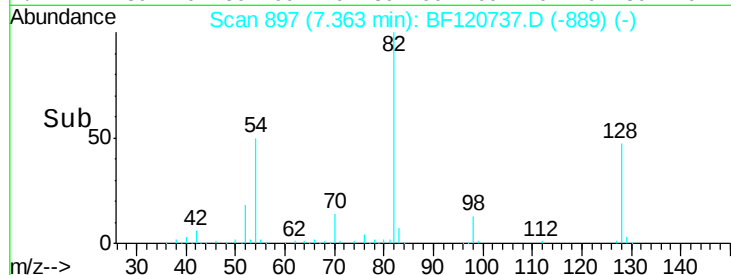
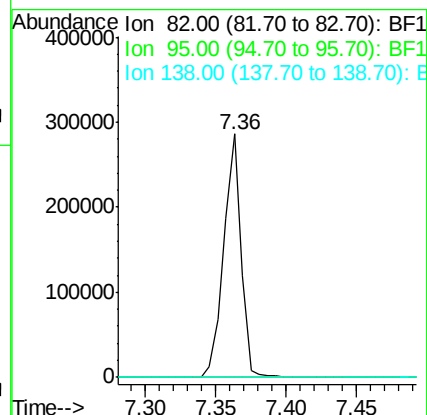
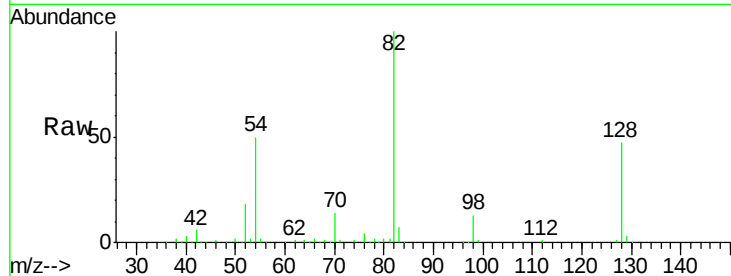
Tot Ion: 82 Resp: 245293

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

138 0.0 16.1 24.1#



#27

2,4-Dimethylphenol

Concen: 2.186 ng

RT: 7.86 min Scan# 982

Delta R.T. 0.14 min

Lab File: BF120737.D

Acq: 29 Jun 2020 19:46

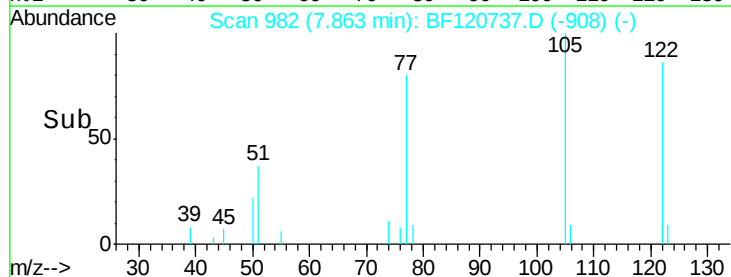
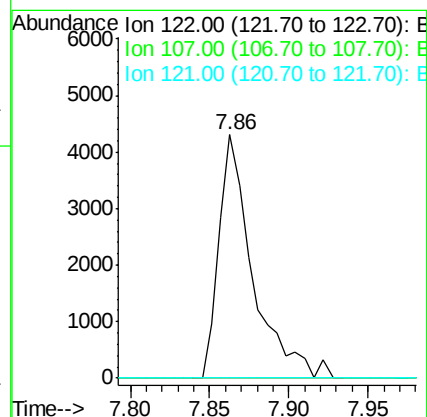
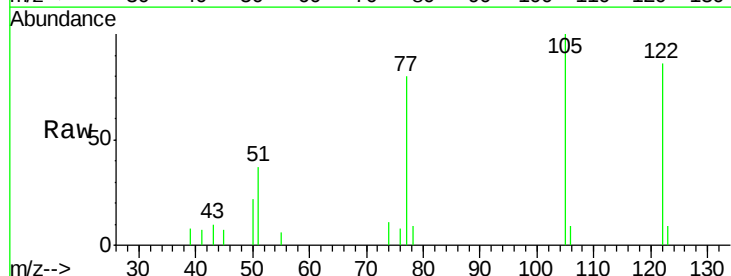
Tgt Ion: 122 Resp: 6386

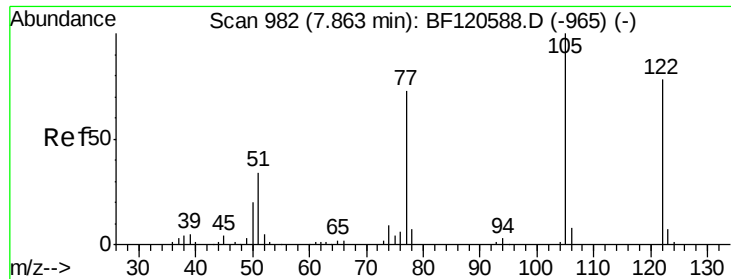
Ion Ratio Lower Upper

122 100

107 0.0 89.4 134.2#

121 0.0 46.2 69.4#

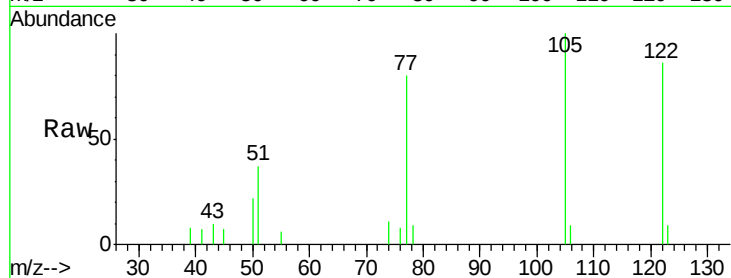




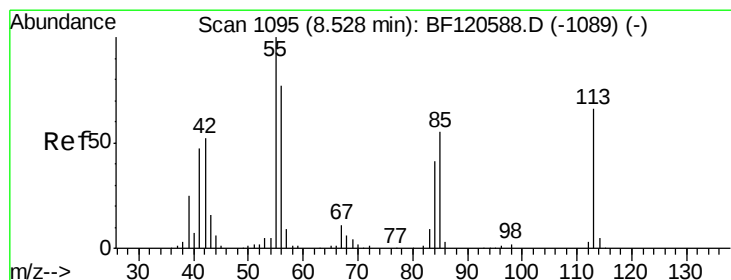
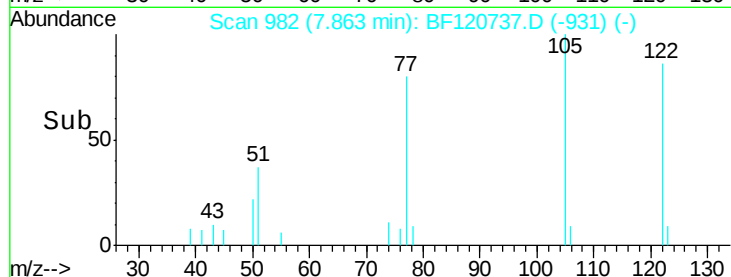
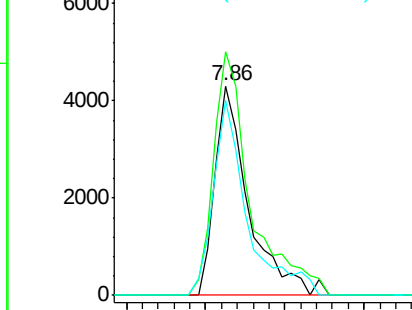
#32
Benzoic acid
Concen: 2.849 ng
RT: 7.86 min Scan# 982
Delta R.T. -0.00 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Instrument :
BNA_F
ClientSampleId :
BU-03-062620

Tot Ion:122 Resp: 6386
Ion Ratio Lower Upper
122 100
105 116.3 98.4 138.4
77 92.8 63.8 103.8

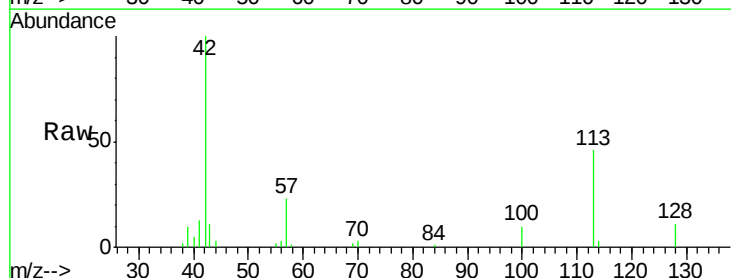


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

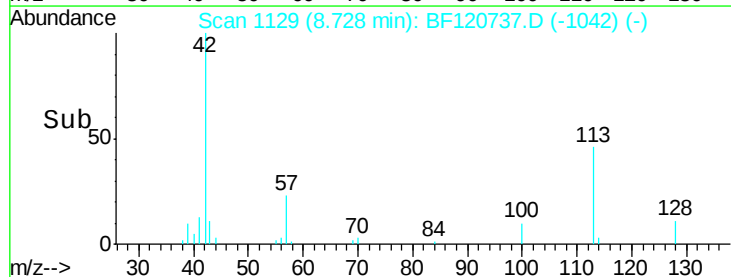
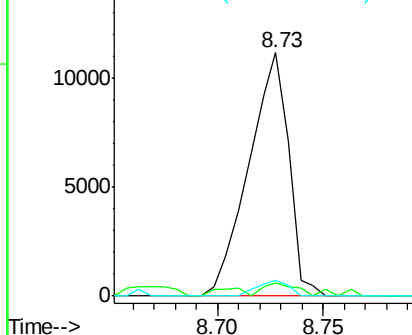


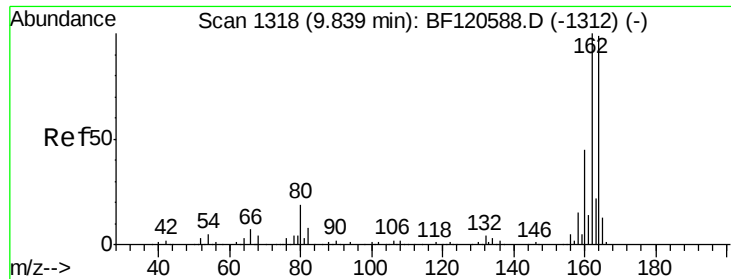
#35
Caprolactam
Concen: 15.419 ng
RT: 8.73 min Scan# 1129
Delta R.T. 0.21 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Tgt Ion:113 Resp: 14643
Ion Ratio Lower Upper
113 100
55 5.3 143.7 183.7#
56 6.5 98.6 138.6#



Abundance Ion 113.00 (112.70 to 113.70): E
Ion 55.00 (54.70 to 55.70): BF1
Ion 56.00 (55.70 to 56.70): BF1

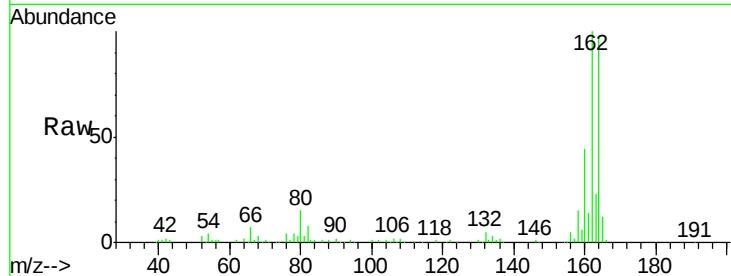




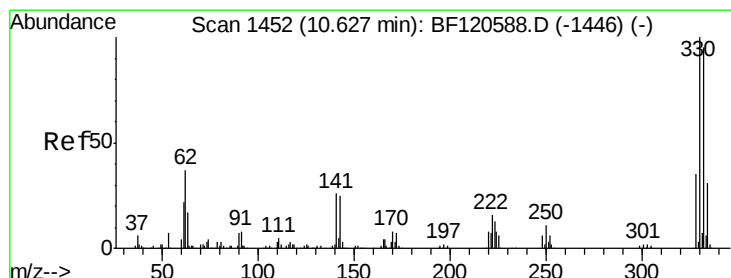
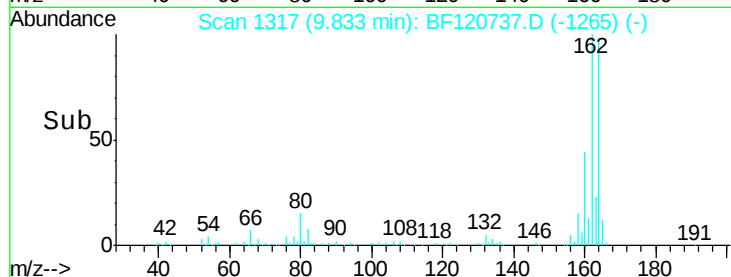
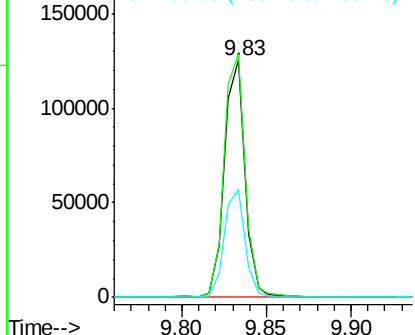
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.83 min Scan# 1317
Delta R.T. 0.01 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Instrument :
BNA_F
ClientSampleId :
BU-03-062620

Tot Ion:164 Resp: 106772
Ion Ratio Lower Upper
164 100
162 102.9 81.4 122.0
160 45.7 36.6 55.0

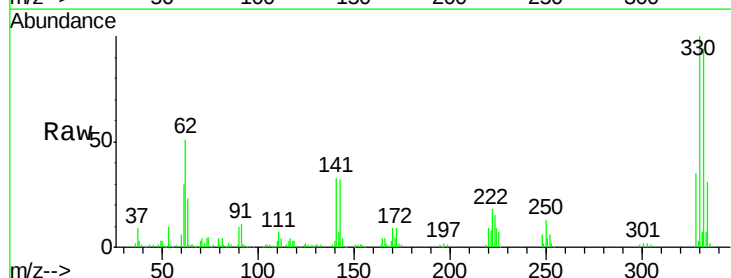


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

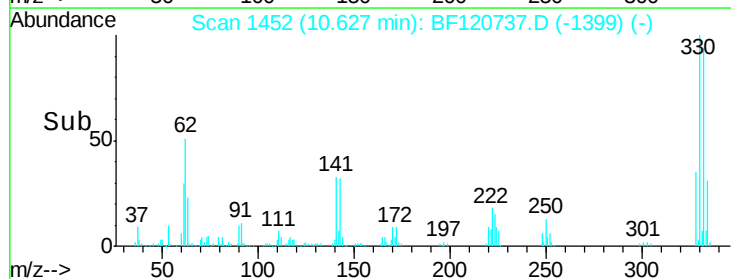
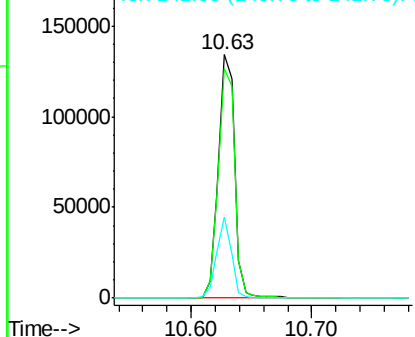


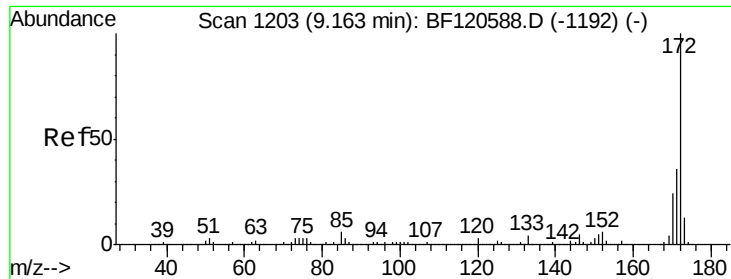
#42
2,4,6-Tribromophenol
Concen: 99.774 ng
RT: 10.63 min Scan# 1452
Delta R.T. 0.01 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Tgt Ion:330 Resp: 123857
Ion Ratio Lower Upper
330 100
332 95.9 76.4 114.6
141 30.1 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

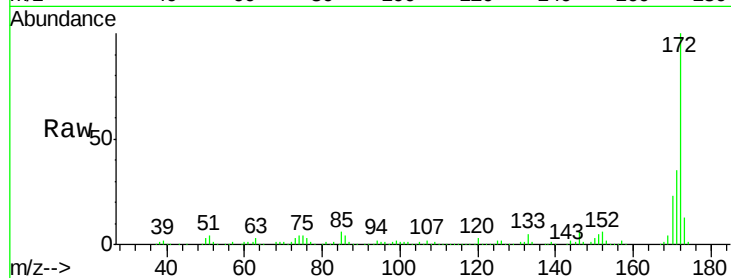




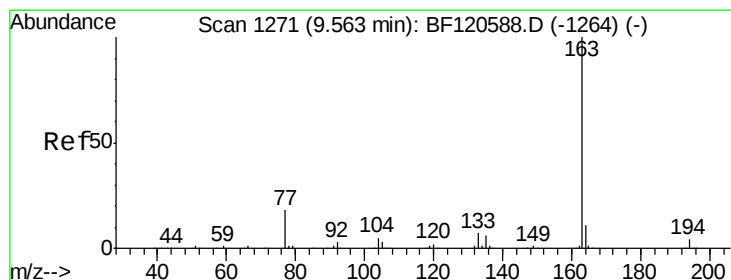
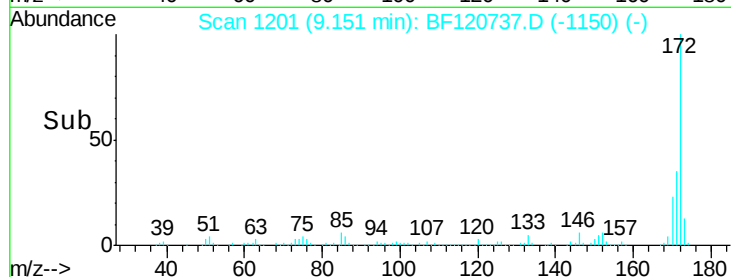
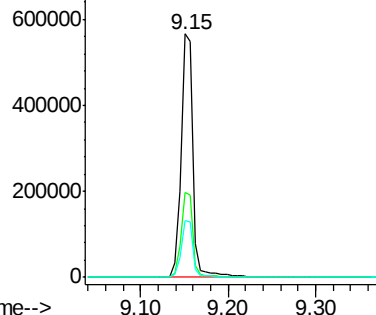
#45
2-Fluorobiphenyl
Concen: 76.402 ng
RT: 9.15 min Scan# 1201
Delta R.T. -0.00 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Instrument :
BNA_F
ClientSampleId :
BU-03-062620

Tot Ion:172 Resp: 533180
Ion Ratio Lower Upper
172 100
171 35.1 28.6 43.0
170 23.4 19.1 28.7

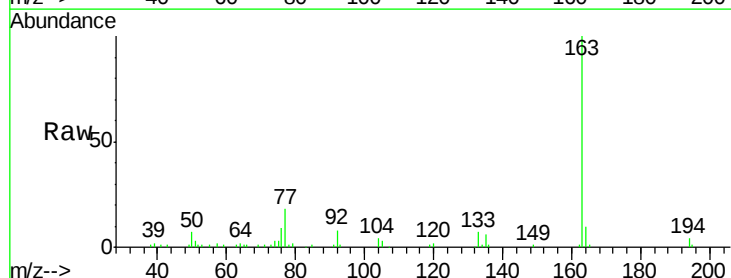


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

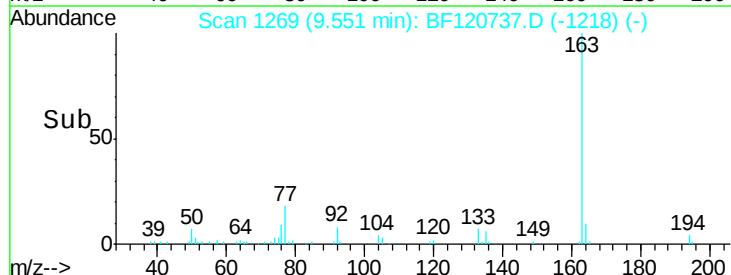
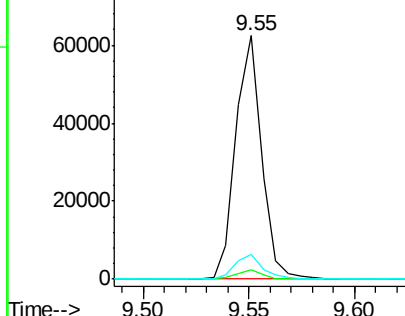


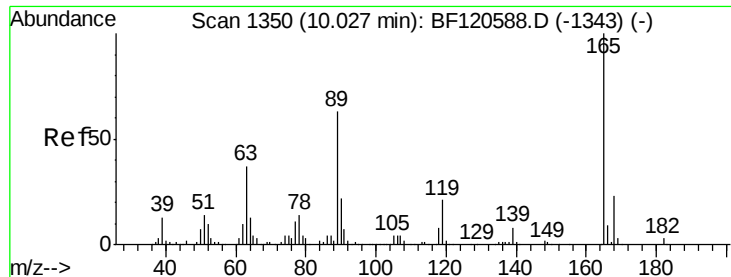
#50
Dimethylphthalate
Concen: 6.845 ng
RT: 9.55 min Scan# 1269
Delta R.T. -0.00 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Tgt Ion:163 Resp: 52637
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.3 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

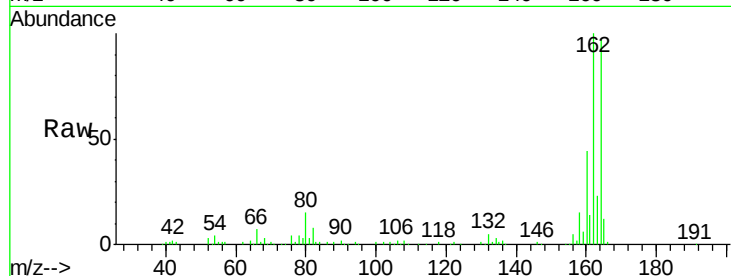




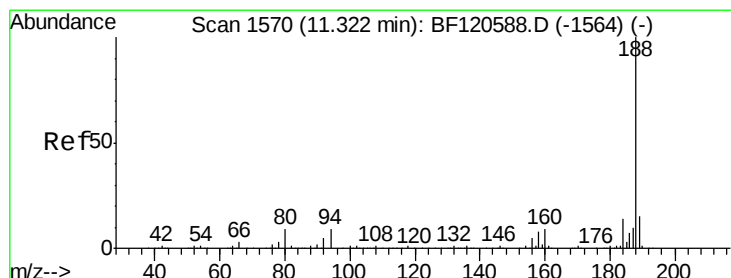
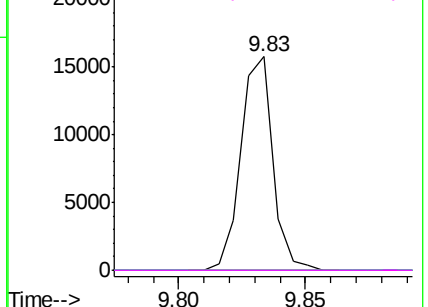
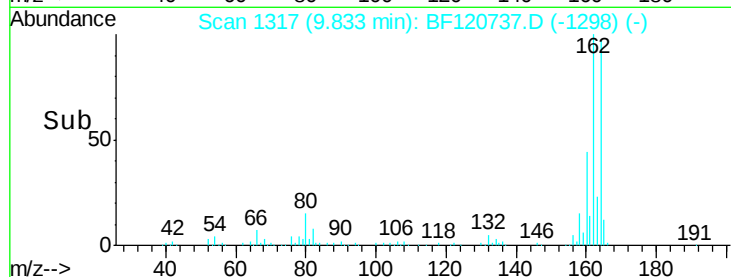
#57
 2,4-Dinitrotoluene
 Concen: 5.962 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. -0.19 min
 Lab File: BF120737.D
 Acq: 29 Jun 2020 19:46

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-062620

Tot Ion:165 Resp: 13787
 Ion Ratio Lower Upper
 165 100
 63 0.0 30.1 45.1#
 89 0.0 49.2 73.8#
 182 0.0 2.0 3.0#

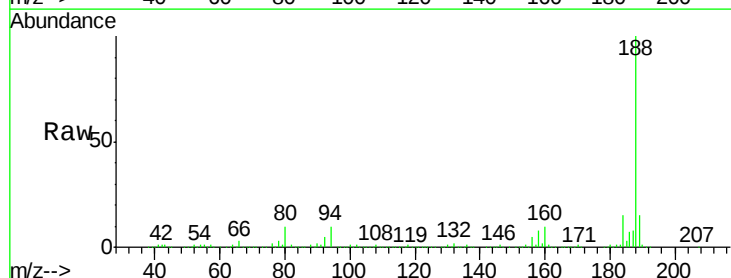


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1
 Ion 182.00 (181.70 to 182.70): E

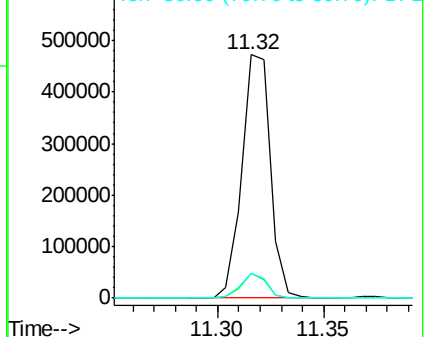
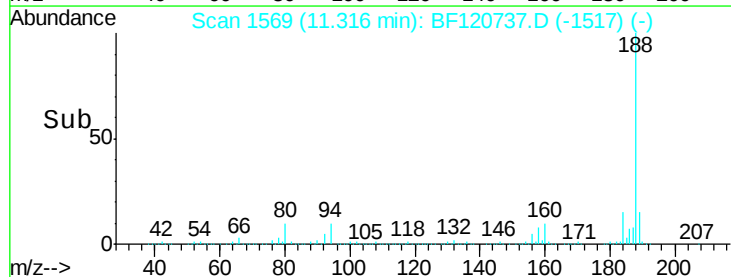


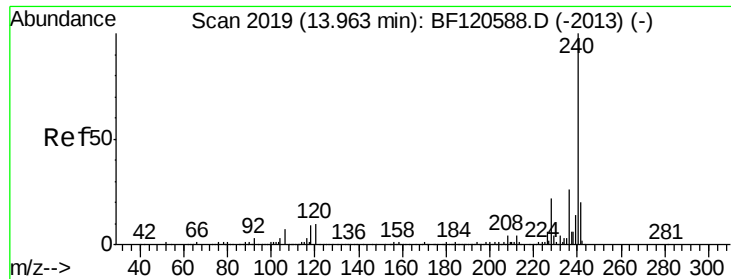
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.32 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: BF120737.D
 Acq: 29 Jun 2020 19:46

Tgt Ion:188 Resp: 441268
 Ion Ratio Lower Upper
 188 100
 94 9.9 7.5 11.3
 80 9.9 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

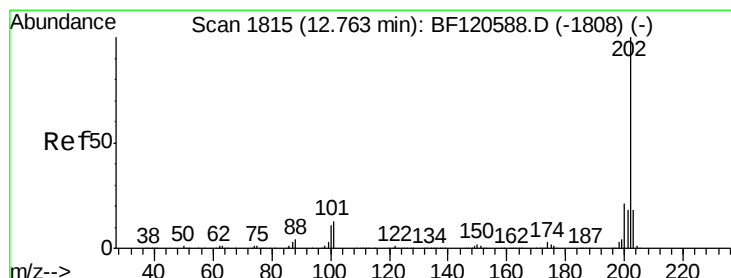
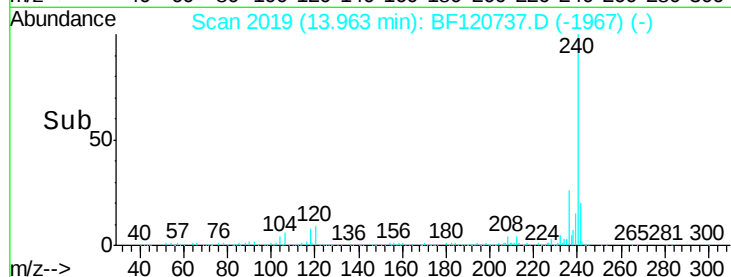
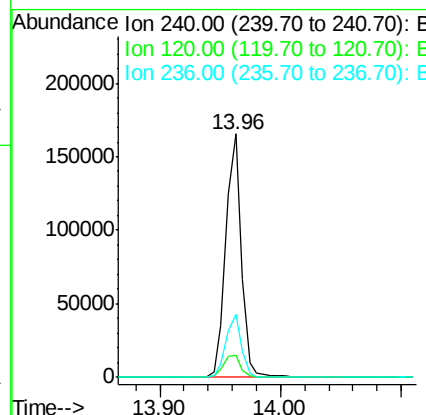
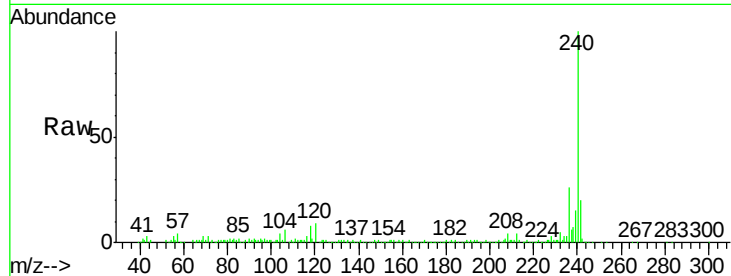




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.01 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

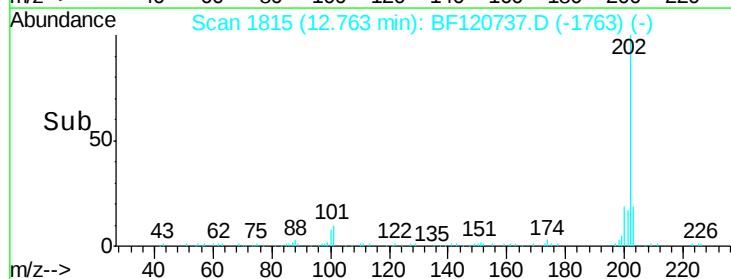
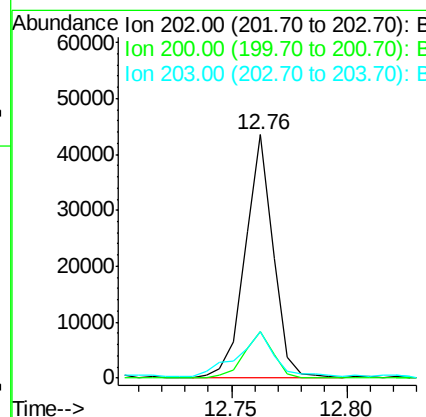
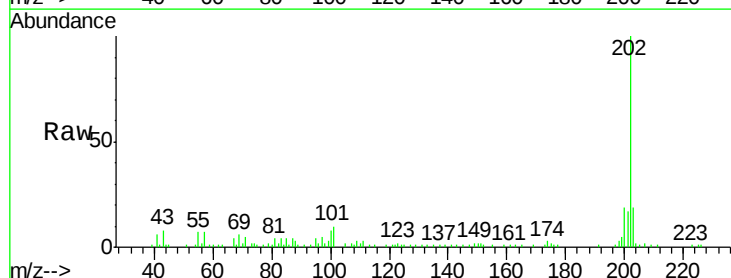
Instrument :
BNA_F
ClientSampleId :
BU-03-062620

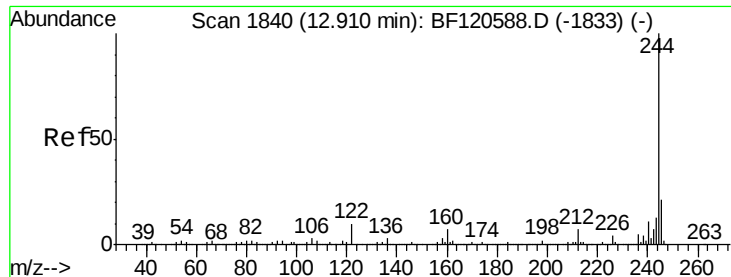
Tot Ion:240 Resp: 146873
Ion Ratio Lower Upper
240 100
120 9.3 7.6 11.4
236 25.9 21.0 31.4



#78
Pyrene
Concen: 3.575 ng
RT: 12.76 min Scan# 1815
Delta R.T. 0.01 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Tgt Ion:202 Resp: 37198
Ion Ratio Lower Upper
202 100
200 18.9 16.6 25.0
203 19.0 14.2 21.2





#79

Terphenyl-d14

Concen: 83.415 ng

RT: 12.91 min Scan# 1840

Delta R.T. 0.01 min

Lab File: BF120737.D

Acq: 29 Jun 2020 19:46

Instrument :

BNA_F

ClientSampleId :

BU-03-062620

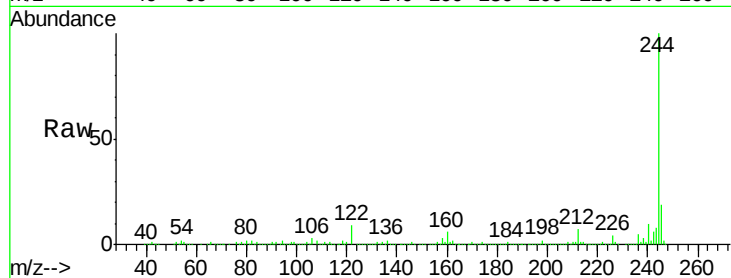
Tot Ion:244 Resp: 554643

Ion Ratio Lower Upper

244 100

212 6.6 5.6 8.4

122 9.1 8.8 13.2

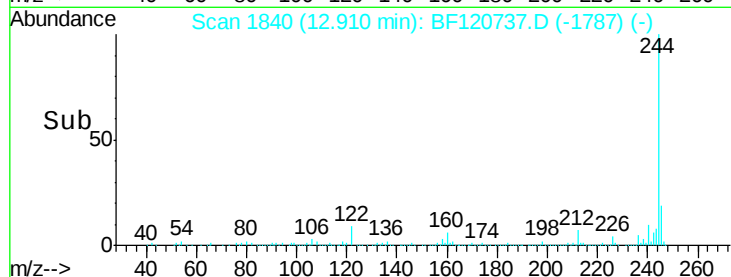


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time-->



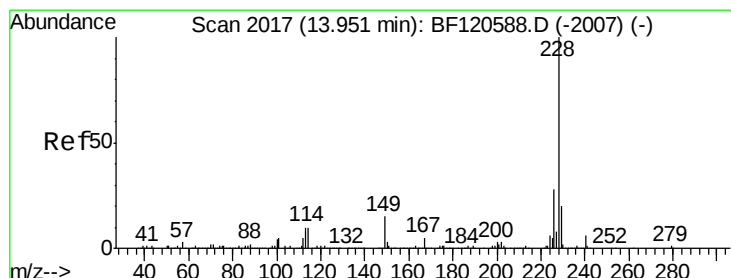
Abundance

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

Time-->



#81

Benzo(a)anthracene

Concen: 2.698 ng

RT: 13.95 min Scan# 1717

Delta R.T. 0.01 min

Lab File: BF120737.D

Acq: 29 Jun 2020 19:46

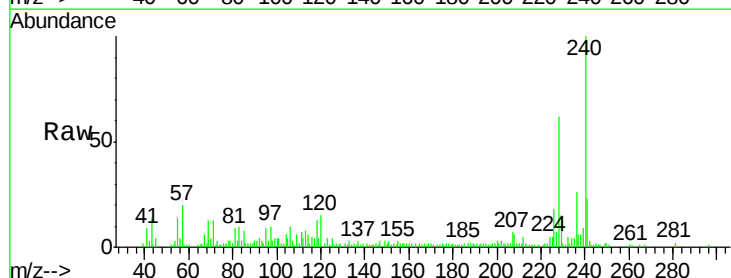
Tgt Ion:228 Resp: 23806

Ion Ratio Lower Upper

228 100

226 29.3 22.6 33.8

229 23.5 16.3 24.5

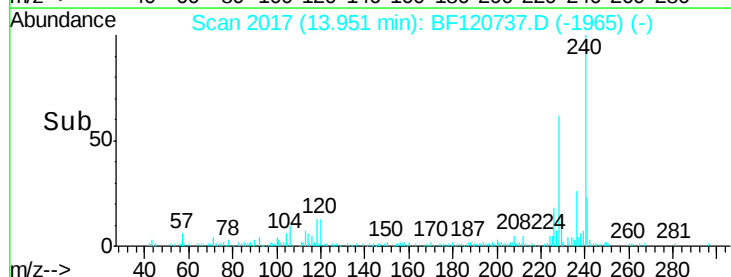


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time-->



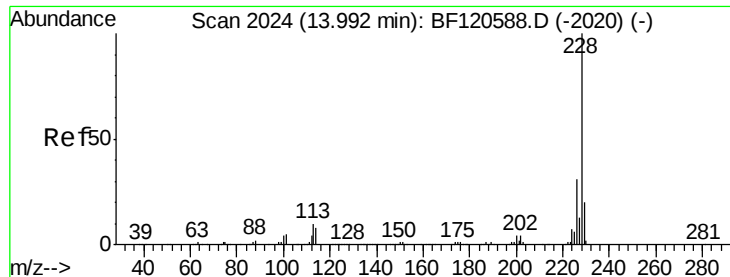
Abundance

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

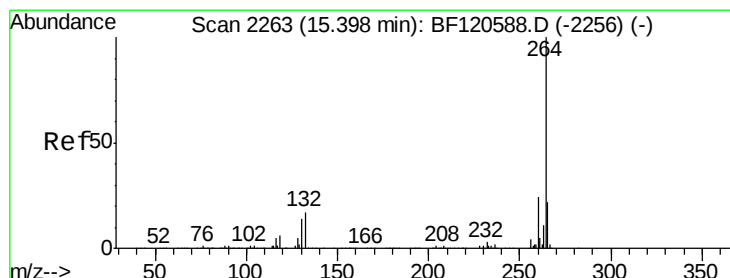
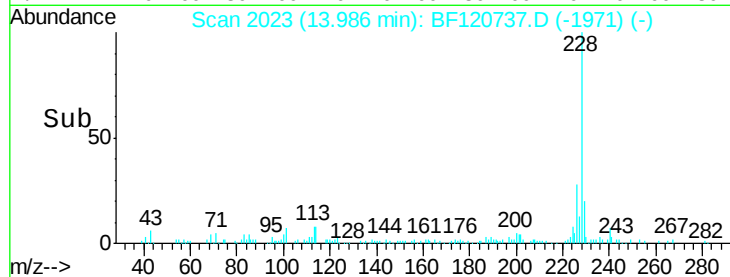
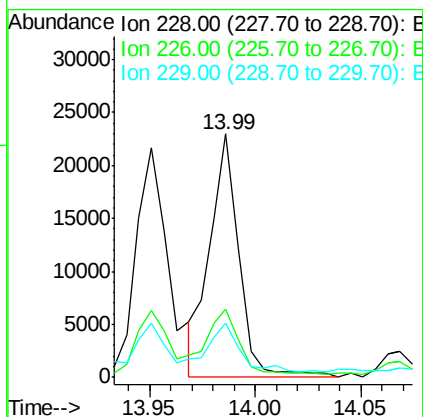
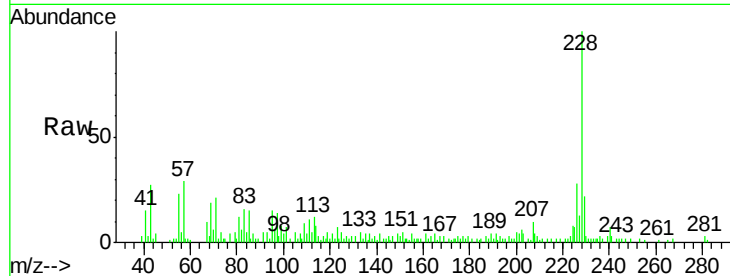
Time-->



#83
Chrysene
Concen: 2.457 ng
RT: 13.99 min Scan# 2023
Delta R.T. 0.01 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

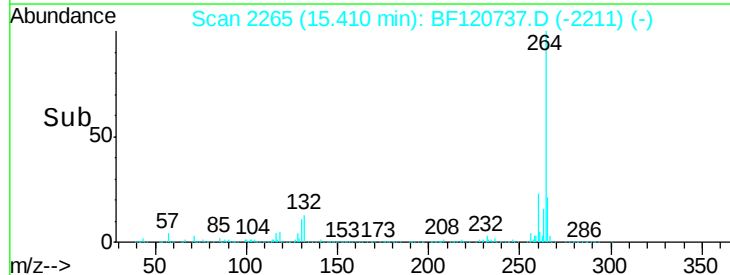
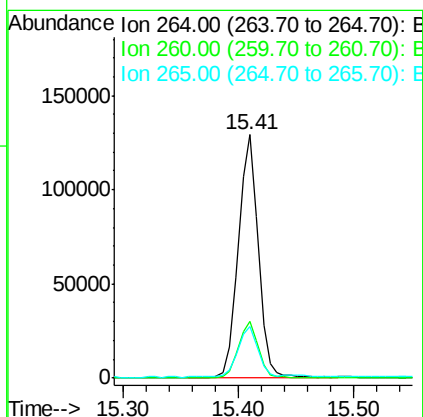
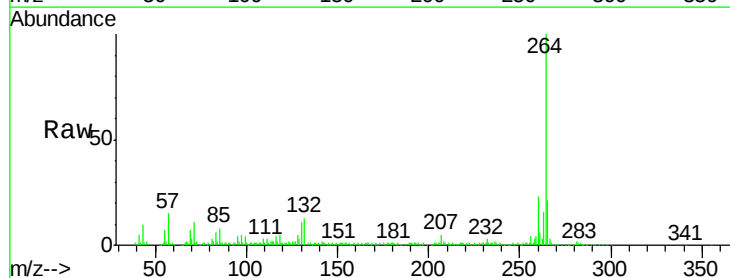
Instrument :
BNA_F
ClientSampleId :
BU-03-062620

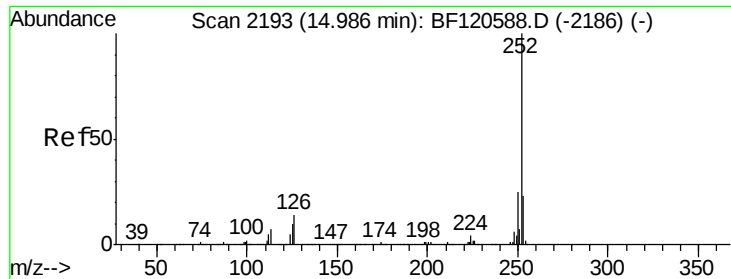
Tot Ion:228 Resp: 22236
Ion Ratio Lower Upper
228 100
226 28.1 25.0 37.6
229 22.1 16.1 24.1



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. 0.02 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Tgt Ion:264 Resp: 156575
Ion Ratio Lower Upper
264 100
260 23.2 19.4 29.2
265 21.4 17.4 26.0

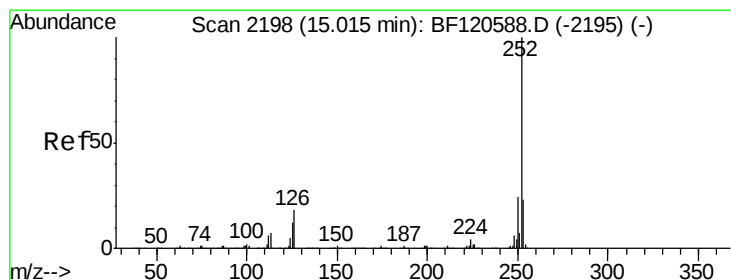
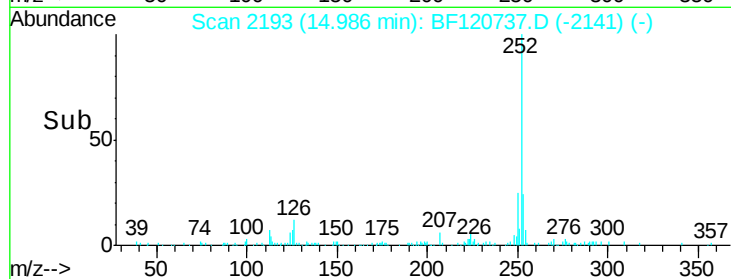
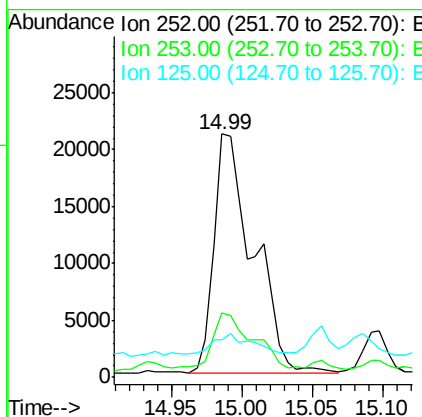
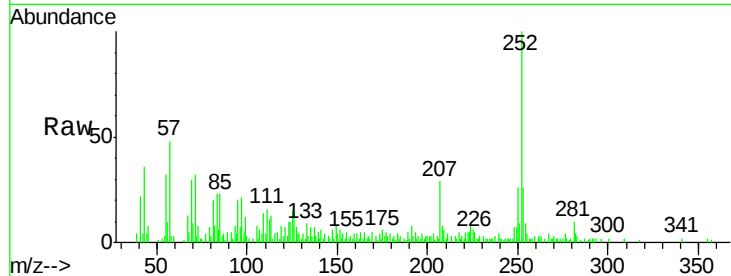




#88
Benzo(b)fluoranthene
Concen: 4.426 ng
RT: 14.99 min Scan# 2193
Delta R.T. 0.01 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

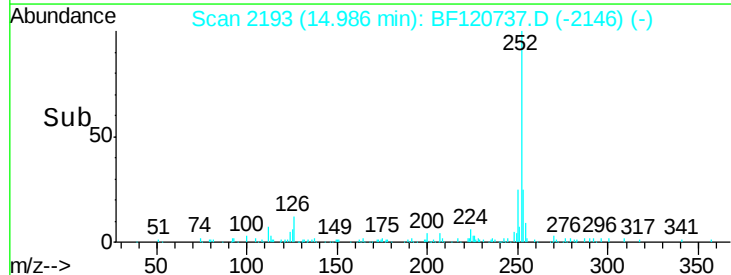
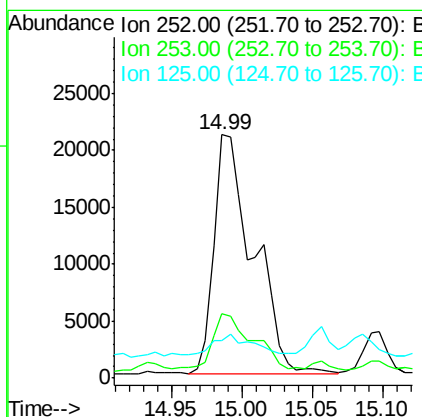
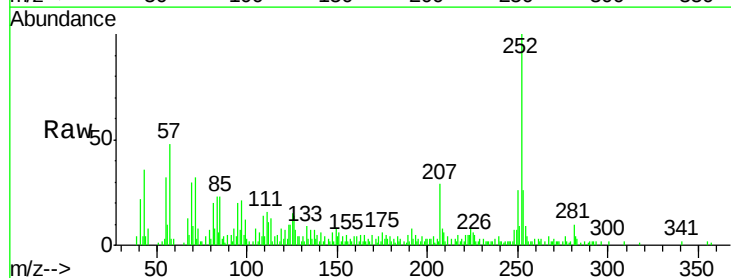
Instrument :
BNA_F
ClientSampleId :
BU-03-062620

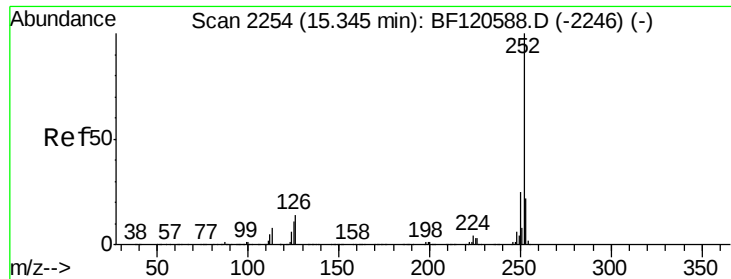
Tot Ion:252 Resp: 41285
Ion Ratio Lower Upper
252 100
253 26.5 18.1 27.1
125 15.4 7.9 11.9#



#89
Benzo(k)fluoranthene
Concen: 5.002 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.02 min
Lab File: BF120737.D
Acq: 29 Jun 2020 19:46

Tgt Ion:252 Resp: 41285
Ion Ratio Lower Upper
252 100
253 26.5 17.4 26.2#
125 15.4 7.4 11.2#





#90

Benzo(a)pyrene

Concen: 2.352 ng

RT: 15.34 min Scan# 2254

Delta R.T. 0.01 min

Lab File: BF120737.D

Acq: 29 Jun 2020 19:46

Instrument :

BNA_F

ClientSampleId :

BU-03-062620

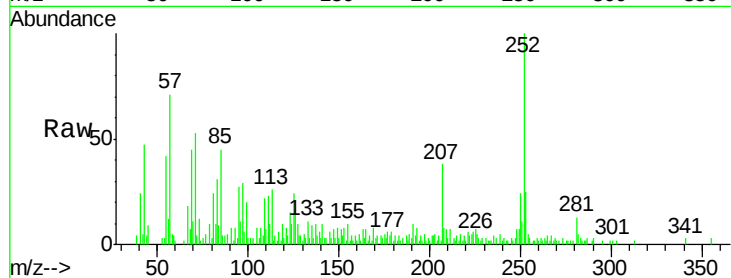
Tot Ion:252 Resp: 19634

Ion Ratio Lower Upper

252 100

253 24.8 17.9 26.9

125 23.8 9.0 13.6



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

