

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF120999.D
 Acq On : 24 Jul 2020 13:15
 Operator : JU/CG
 Sample : L3410-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 13:46:26 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	149587	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	554255	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	294740	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	538602	20.00	ng	0.00
76) Chrysene-d12	13.96	240	365949	20.00	ng	-0.01
86) Perylene-d12	15.41	264	389267	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.42	112	649177	71.14	ng	0.00
7) Phenol-d6	6.44	99	946928	80.34	ng	0.00
23) Nitrobenzene-d5	7.37	82	601512	62.80	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	121960	37.80	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1205815	61.08	ng	0.00
79) Terphenyl-d14	12.92	244	1114114	66.18	ng	0.00

Target Compounds

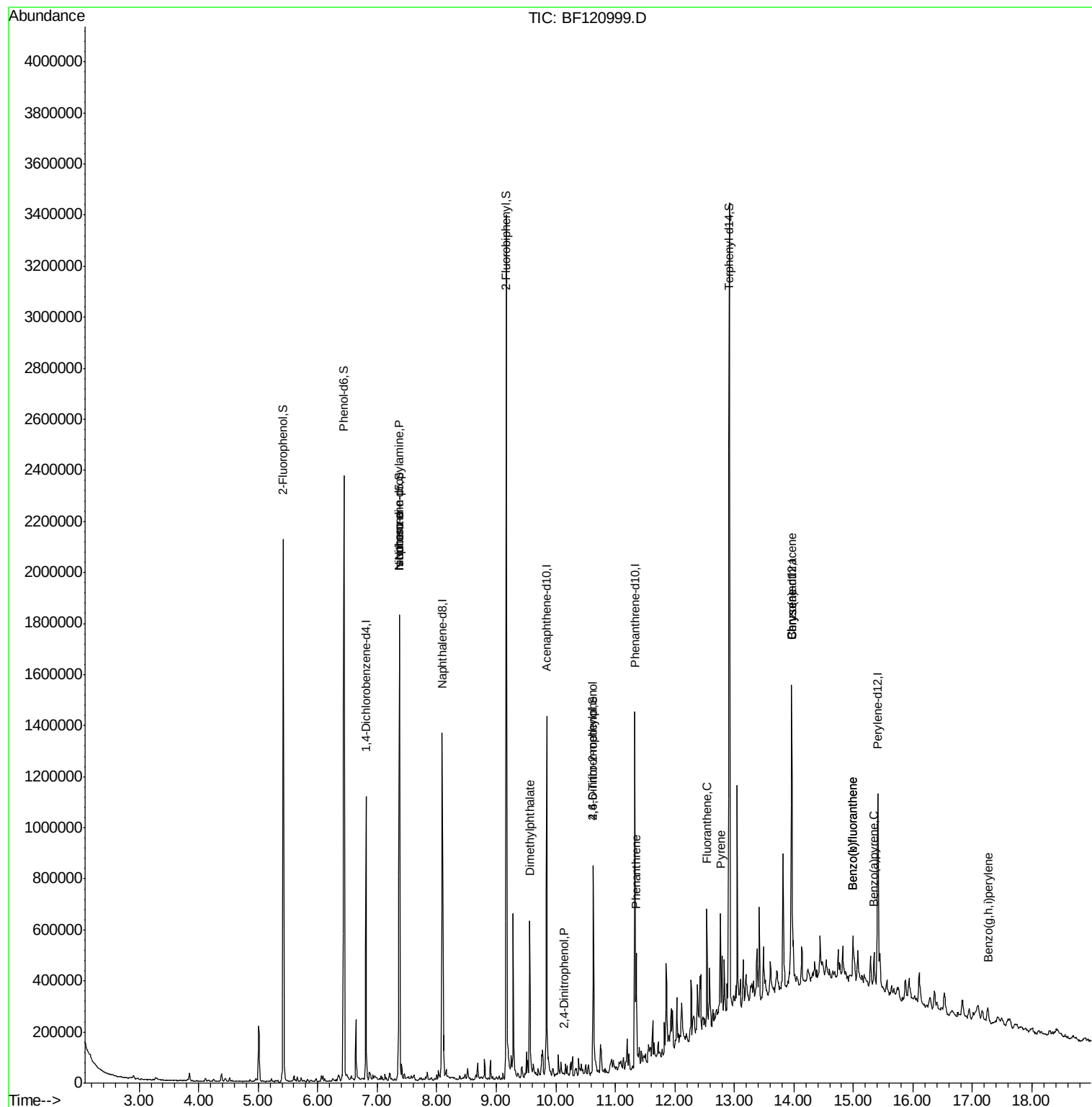
						Qvalue
9) Benzaldehyde	6.36	77	4032	Below Cal		91
19) n-Nitroso-di-n-propylamine	7.37	70	78523	11.716 ng	#	77
25) Isophorone	7.37	82	596798	31.218 ng	#	63
50) Dimethylphthalate	9.56	163	263424	12.388 ng		99
54) 2,4-Dinitrophenol	10.14	184	240	6.917 ng	#	15
65) 4,6-Dinitro-2-methylphenol	10.63	198	121	3.878 ng	#	1
71) Phenanthrene	11.35	178	148460	5.359 ng		99
75) Fluoranthene	12.54	202	175494	5.716 ng		98
78) Pyrene	12.77	202	167310	6.467 ng		99
81) Benzo(a)anthracene	13.96	228	75913	3.426 ng	#	94
83) Chrysene	13.96	228	75913	3.260 ng		94
88) Benzo(b)fluoranthene	14.99	252	124156	5.277 ng	#	94
89) Benzo(k)fluoranthene	14.99	252	124156	5.786 ng	#	94
90) Benzo(a)pyrene	15.35	252	71994	3.354 ng	#	96
92) Benzo(a,h,i)perylene	17.26	276	54202	2.486 ng		91

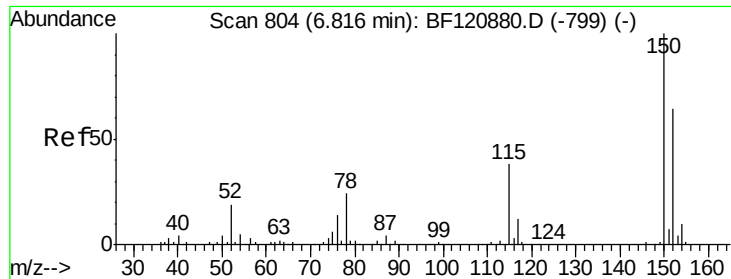
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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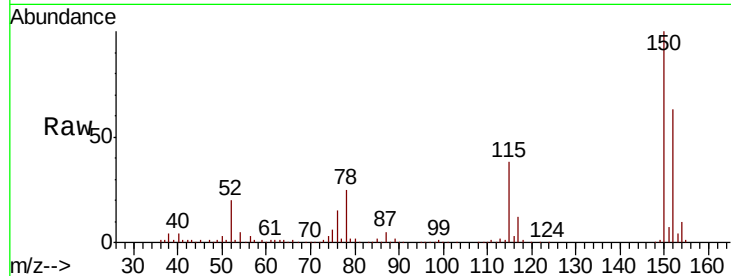


#1

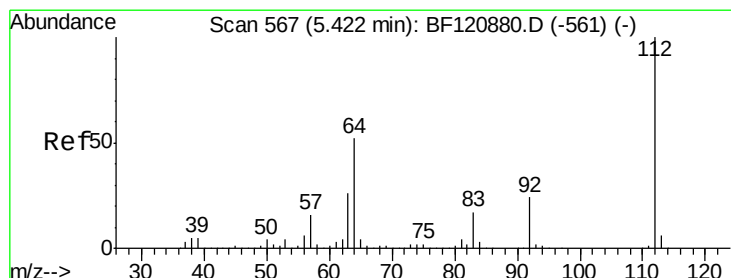
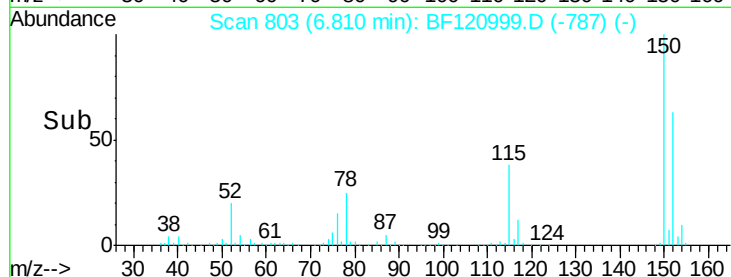
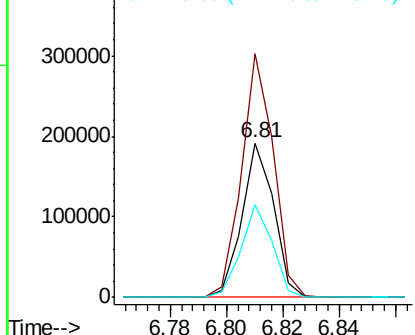
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF120999.D
Acq: 24 Jul 2020 13:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 149587
Ion Ratio Lower Upper
152 100
150 157.7 125.0 187.6
115 59.7 47.0 70.4



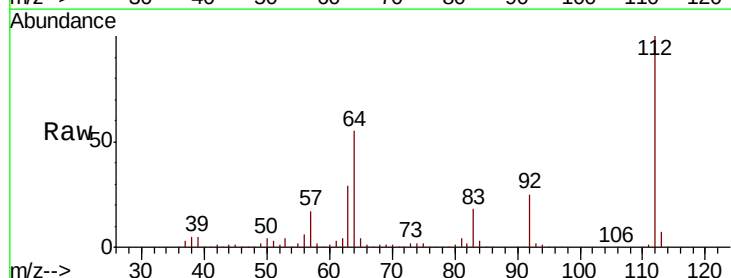
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



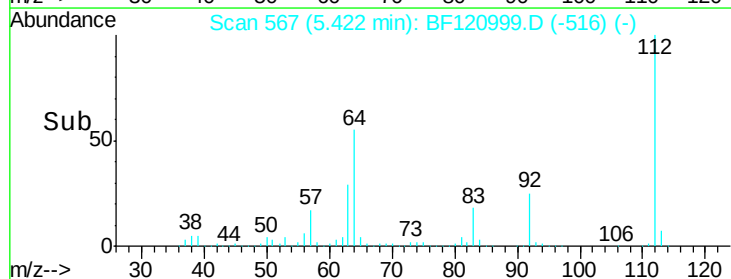
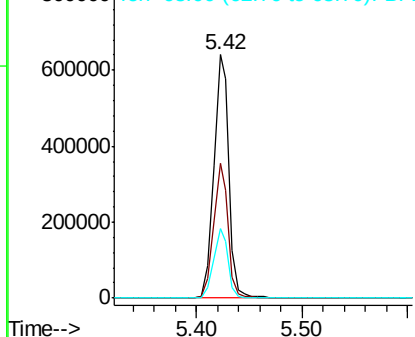
#5

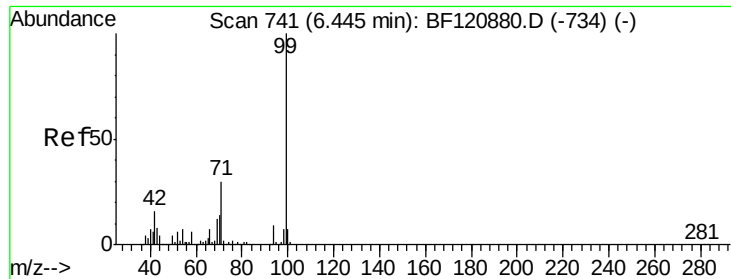
2-Fluorophenol
Concen: 71.145 ng
RT: 5.42 min Scan# 567
Delta R.T. 0.00 min
Lab File: BF120999.D
Acq: 24 Jul 2020 13:15

Tgt Ion:112 Resp: 649177
Ion Ratio Lower Upper
112 100
64 55.2 41.3 61.9
63 28.7 21.1 31.7



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: 80.338 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF120999.D

Acq: 24 Jul 2020 13:15

Instrument :

BNA_F

ClientSampleId :

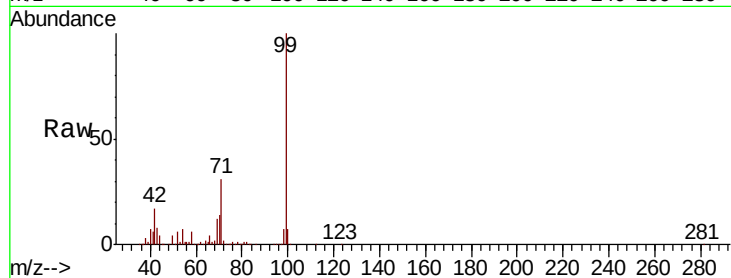
Tot Ion: 99 Resp: 946928

Ion Ratio Lower Upper

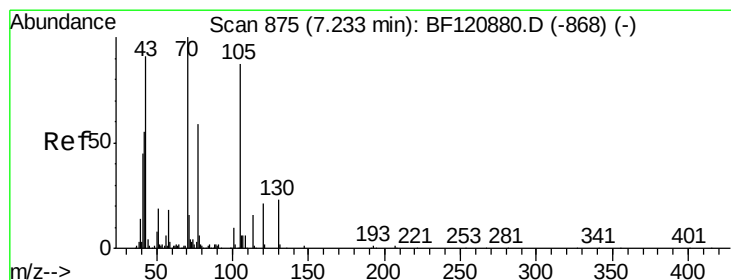
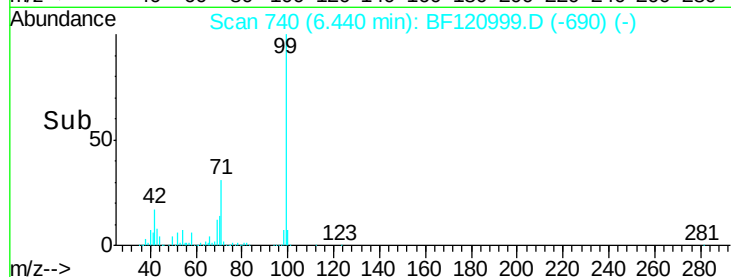
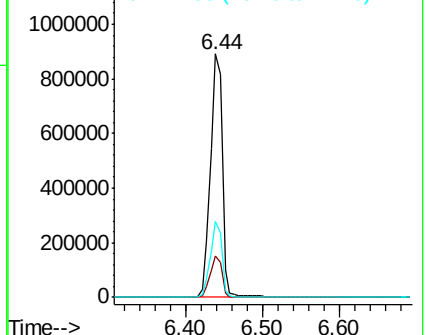
99 100

42 17.0 13.1 19.7

71 31.1 24.2 36.4



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: 11.716 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF120999.D

Acq: 24 Jul 2020 13:15

Tgt Ion: 70 Resp: 78523

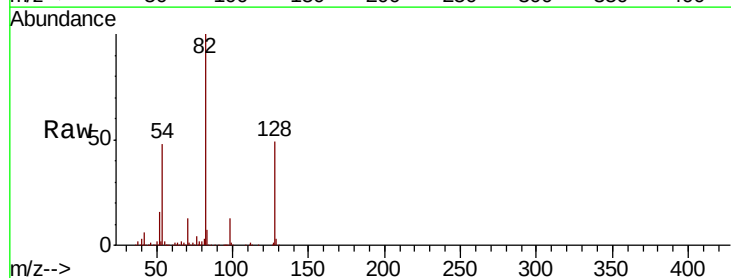
Ion Ratio Lower Upper

70 100

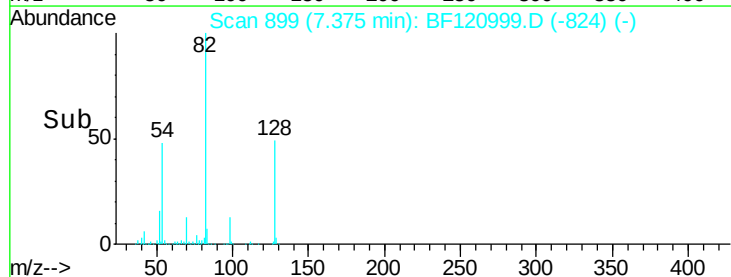
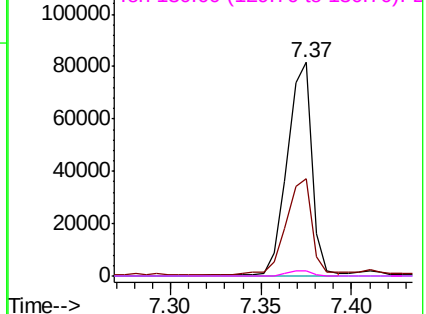
42 45.4 44.0 66.0

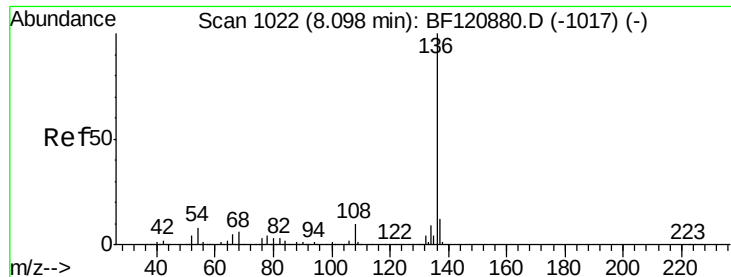
101 0.0 7.8 11.6#

130 2.5 18.7 28.1#



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

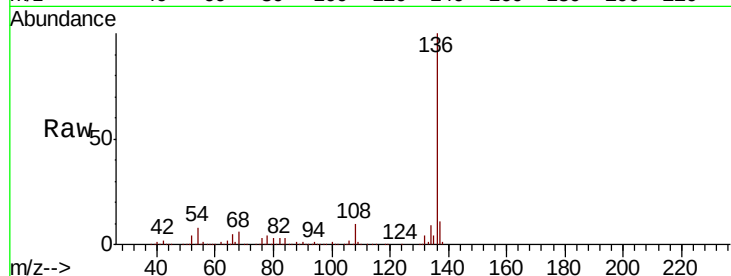




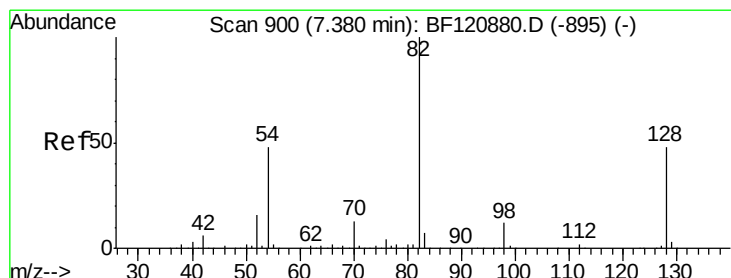
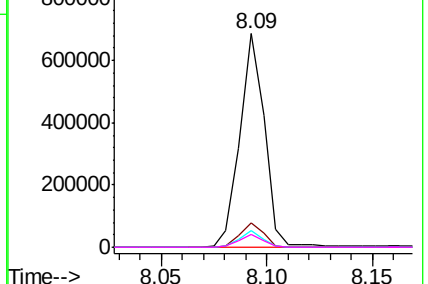
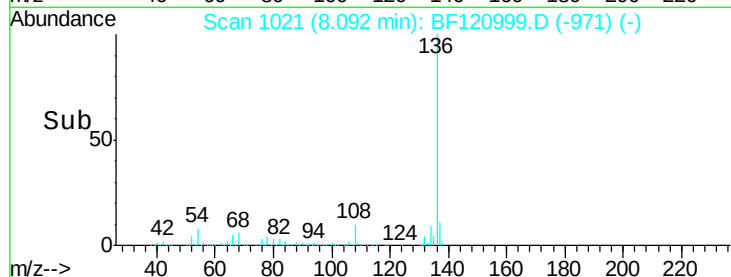
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1021
Delta R.T. -0.01 min
Lab File: BF120999.D
Acq: 24 Jul 2020 13:15

Instrument :
BNA_F
ClientSampled :

Tot Ion:136	Resp:	554255
Ion Ratio	Lower	Upper
136	100	
137	11.2	9.3 13.9
54	7.6	6.3 9.5
68	5.9	5.0 7.4

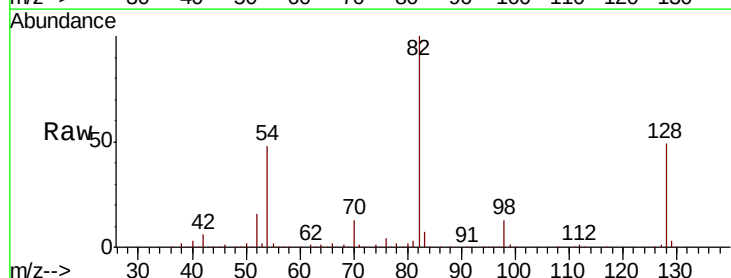


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

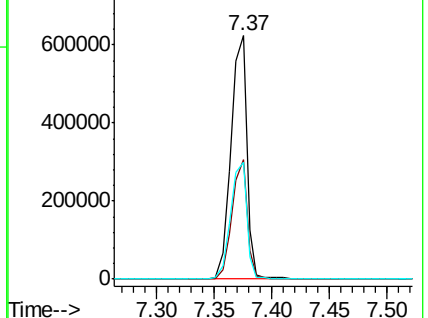
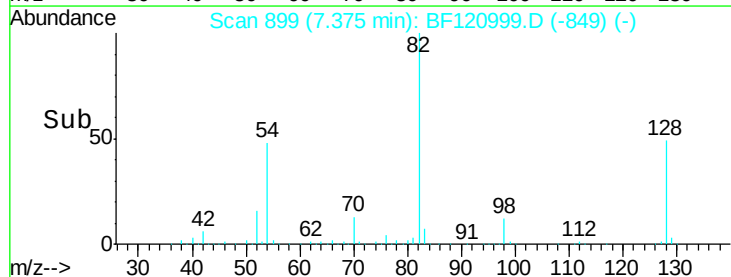


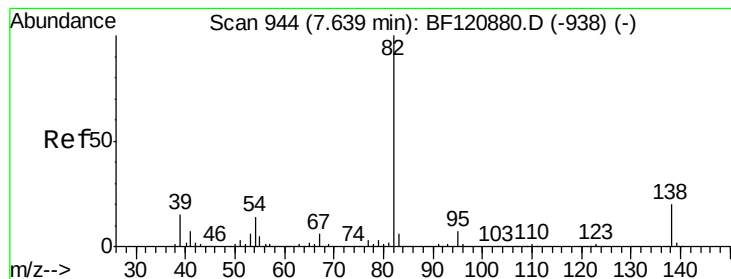
#23
Nitrobenzene-d5
Concen: 62.797 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF120999.D
Acq: 24 Jul 2020 13:15

Tgt Ion: 82	Resp:	601512
Ion Ratio	Lower	Upper
82	100	
128	49.2	38.2 57.4
54	47.8	38.7 58.1



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: 31.218 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF120999.D

Acq: 24 Jul 2020 13:15

Instrument :

BNA_F

ClientSampleId :

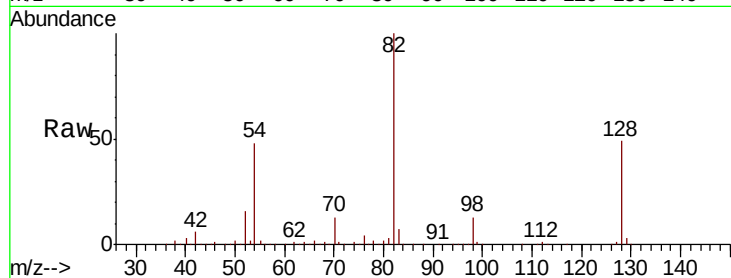
Tot Ion: 82 Resp: 596798

Ion Ratio Lower Upper

82 100

95 0.1 5.5 8.3#

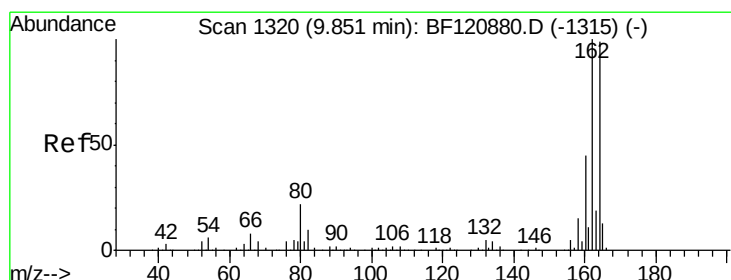
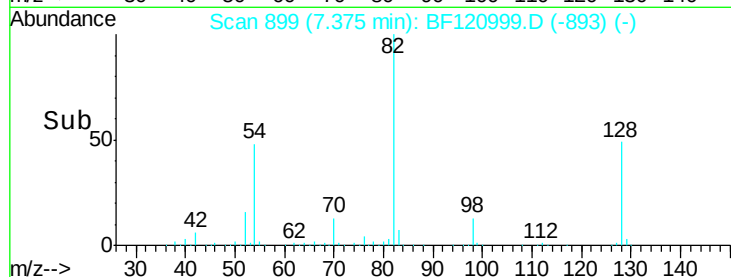
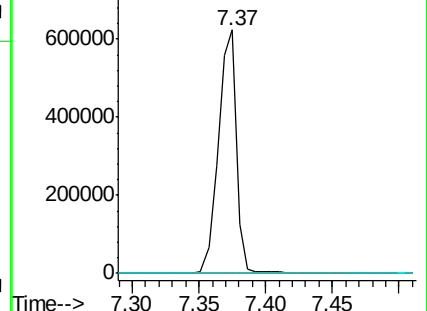
138 0.0 15.6 23.4#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF120999.D

Acq: 24 Jul 2020 13:15

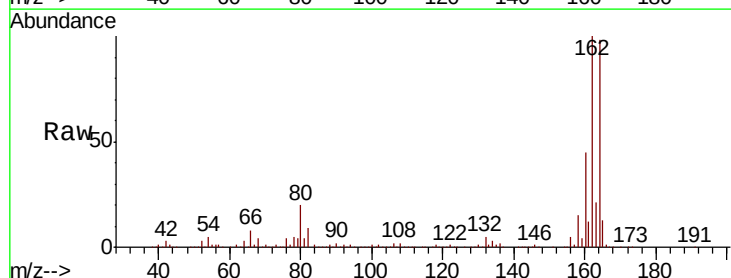
Tgt Ion:164 Resp: 294740

Ion Ratio Lower Upper

164 100

162 101.9 81.2 121.8

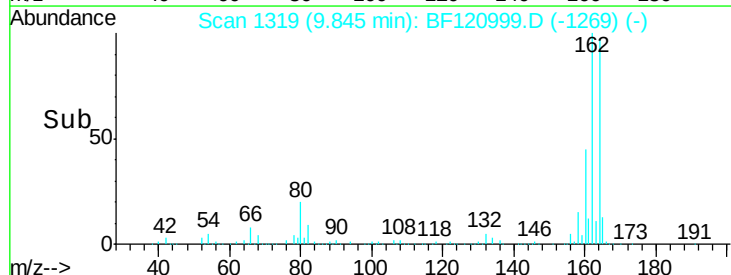
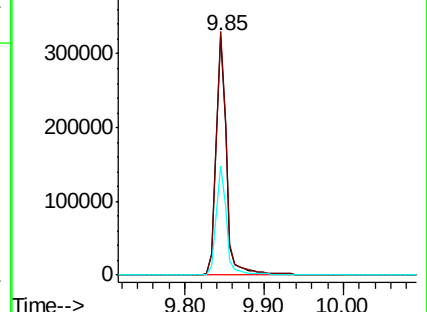
160 45.8 36.9 55.3

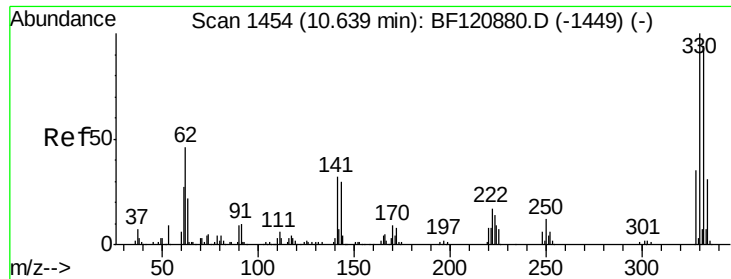


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

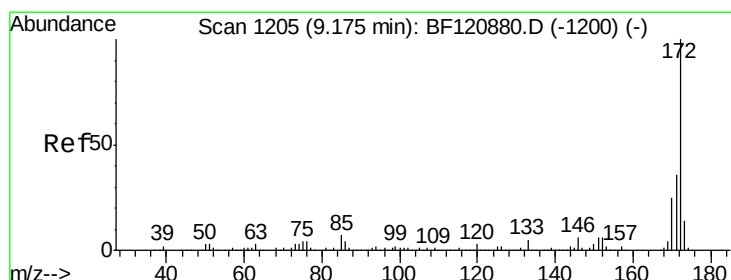
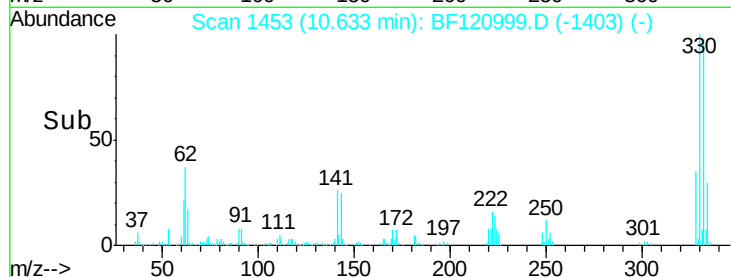
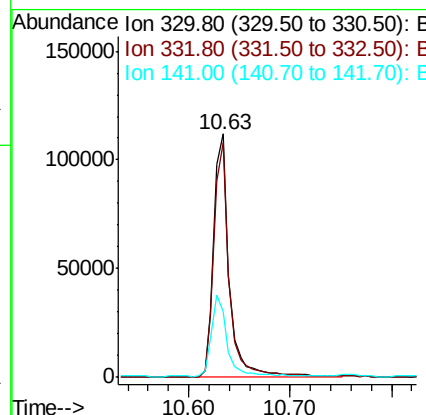
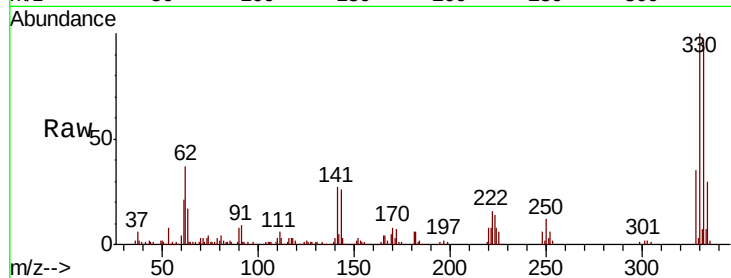




#42
 2,4,6-Tribromophenol
 Concen: 37.803 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF120999.D
 Acq: 24 Jul 2020 13:15

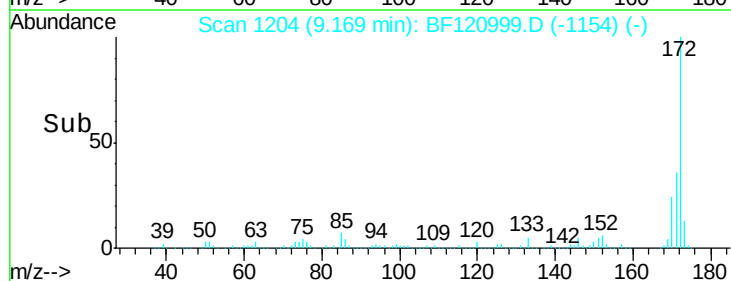
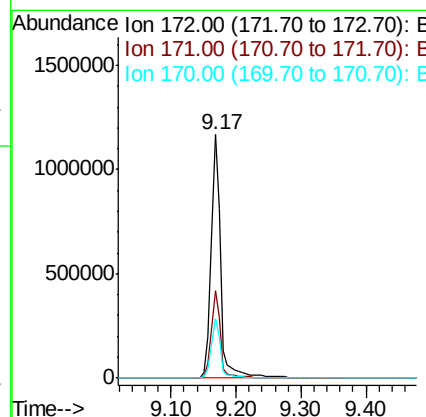
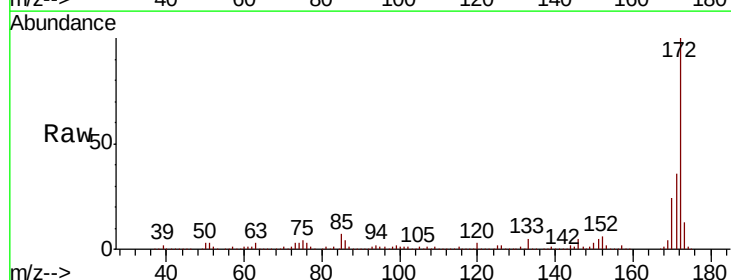
Instrument :
 BNA_F
 ClientSampled :

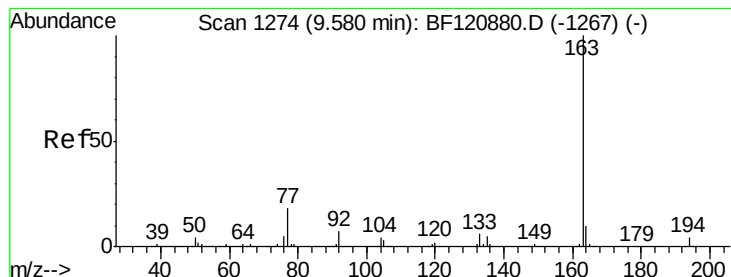
Tot Ion	Ratio	Lower	Upper
330	100		
332	96.4	75.5	113.3
141	33.1	25.7	38.5



#45
 2-Fluorobiphenyl
 Concen: 61.082 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF120999.D
 Acq: 24 Jul 2020 13:15

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.4
170	24.2	19.6	29.4





#50

Dimethylphthalate

Concen: 12.388 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF120999.D

Acq: 24 Jul 2020 13:15

Instrument :

BNA_F

ClientSampleId :

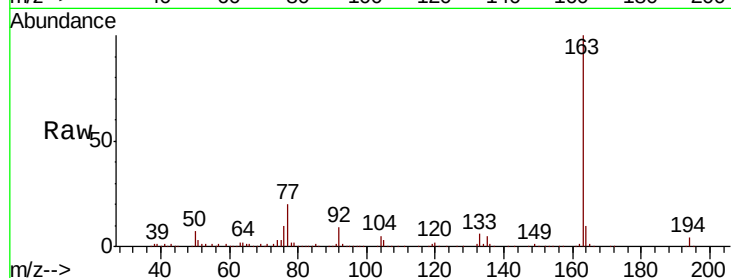
Tot Ion:163 Resp: 263424

Ion Ratio Lower Upper

163 100

194 3.7 3.2 4.8

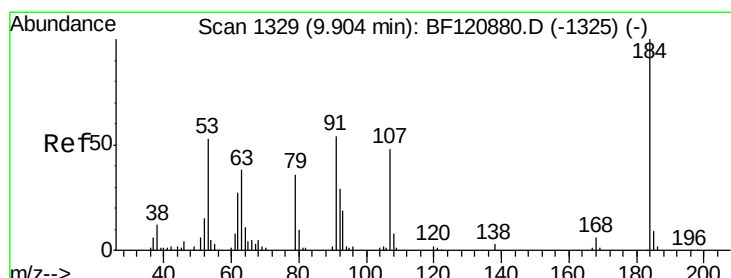
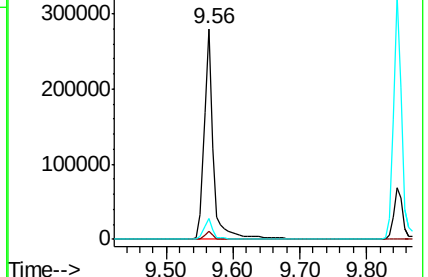
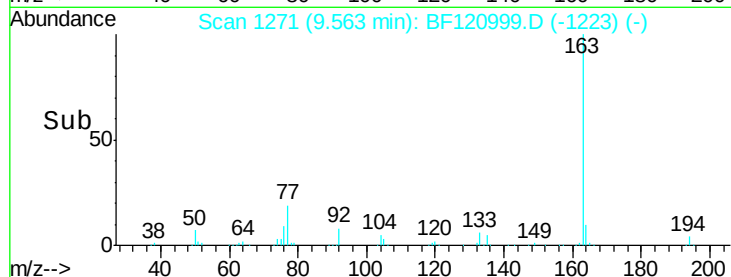
164 10.1 7.9 11.9



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



#54

2,4-Dinitrophenol

Concen: 6.917 ng

RT: 10.14 min Scan# 1369

Delta R.T. 0.24 min

Lab File: BF120999.D

Acq: 24 Jul 2020 13:15

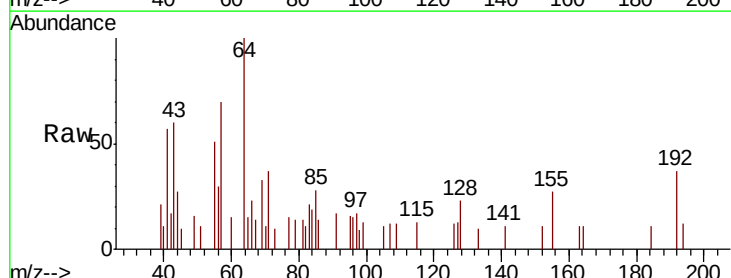
Tgt Ion:184 Resp: 240

Ion Ratio Lower Upper

184 100

63 0.0 57.9 86.9#

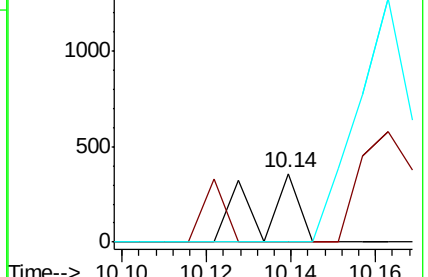
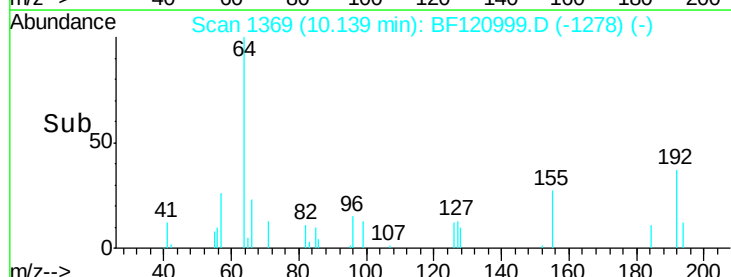
154 0.0 52.6 78.8#

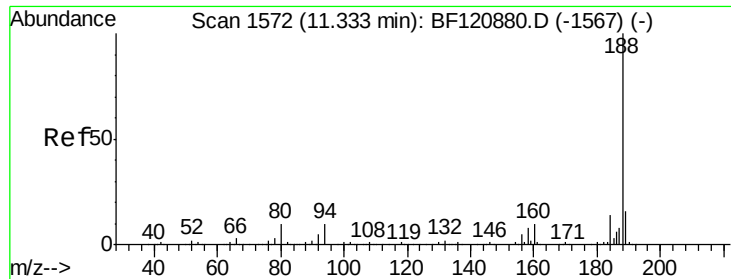


Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF120999.D

Acq: 24 Jul 2020 13:15

Instrument :

BNA_F

ClientSampleId :

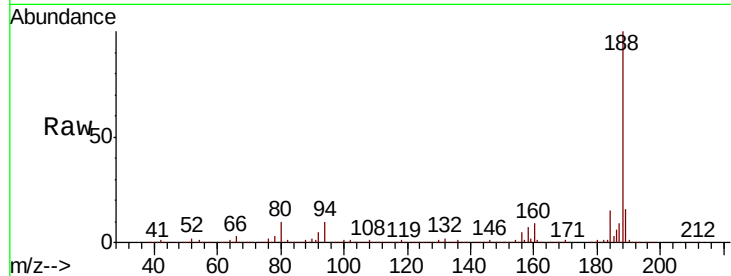
Tot Ion:188 Resp: 538602

Ion Ratio Lower Upper

188 100

94 9.5 8.0 12.0

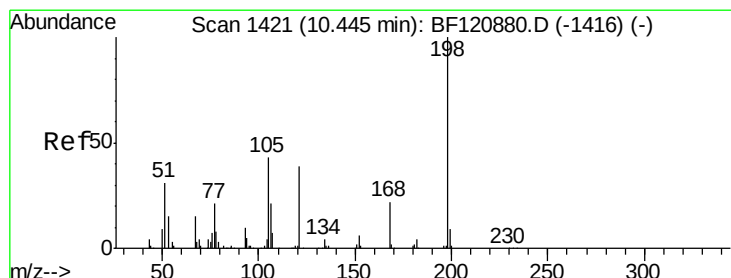
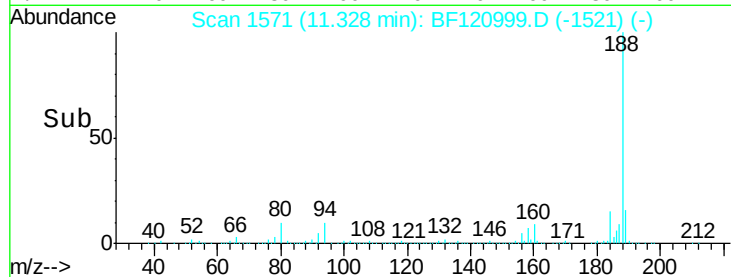
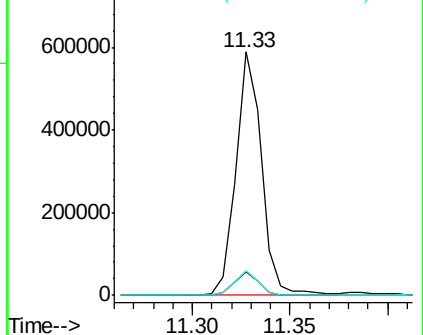
80 10.0 8.3 12.5



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



#65

4,6-Dinitro-2-methylphenol

Concen: 3.878 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.18 min

Lab File: BF120999.D

Acq: 24 Jul 2020 13:15

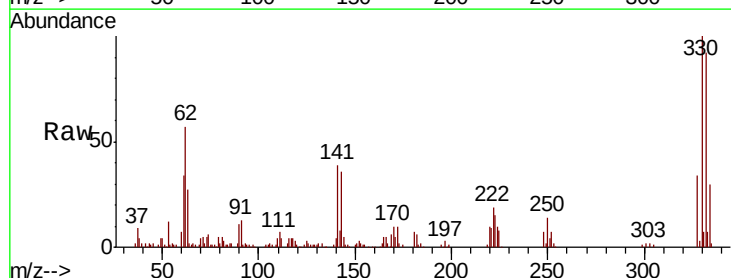
Tgt Ion:198 Resp: 121

Ion Ratio Lower Upper

198 100

51 283.3 19.5 59.5#

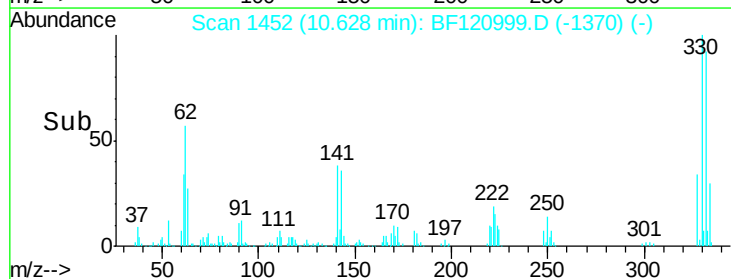
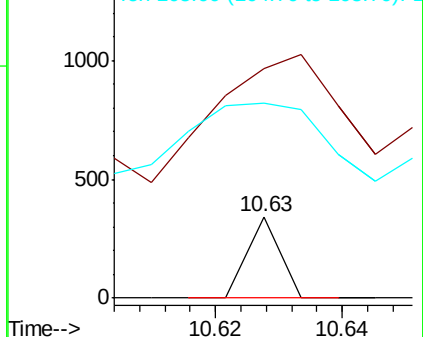
105 240.4 24.4 64.4#

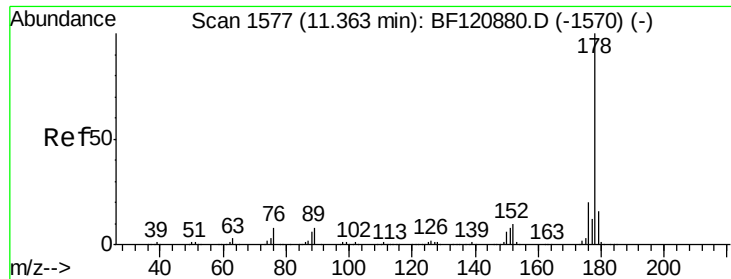


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

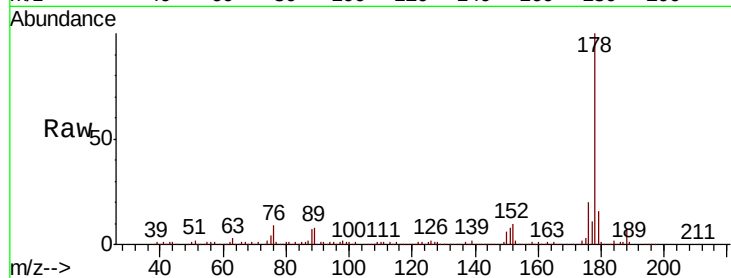




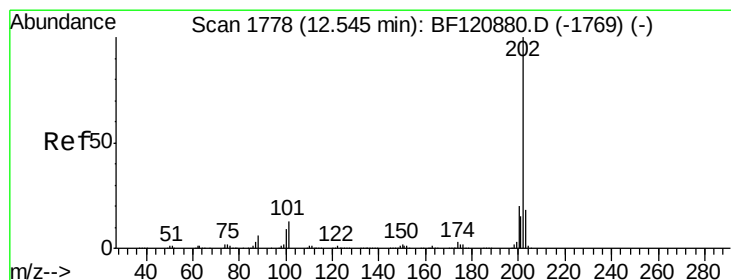
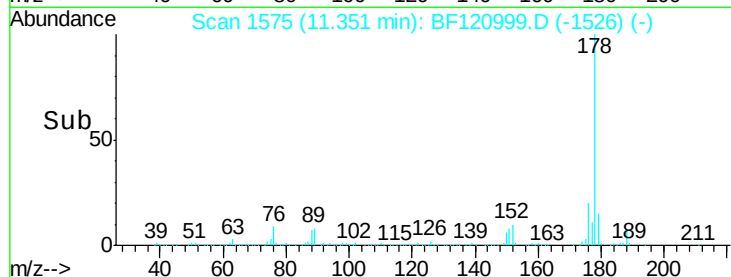
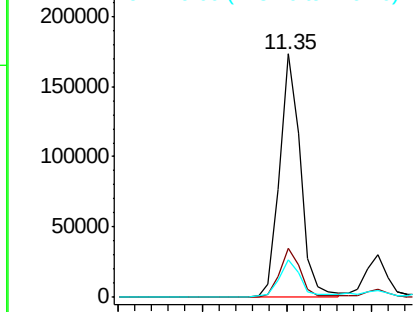
#71
Phenanthrene
Concen: 5.359 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.01 min
Lab File: BF120999.D
Acq: 24 Jul 2020 13:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion:178 Resp: 148460
Ion Ratio Lower Upper
178 100
176 20.0 16.2 24.4
179 15.7 12.8 19.2

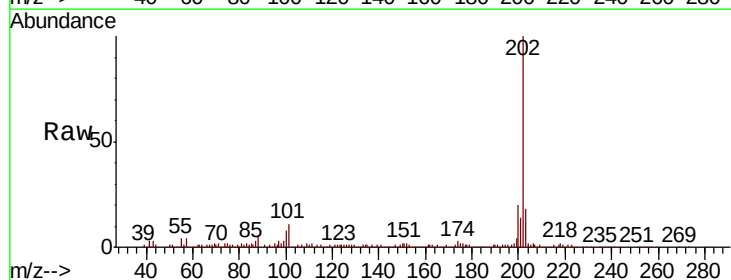


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

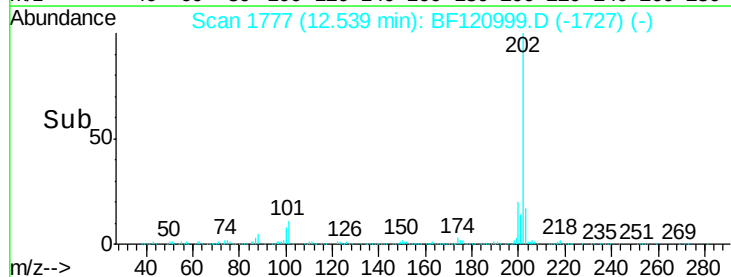
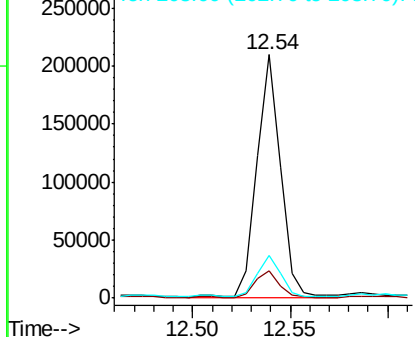


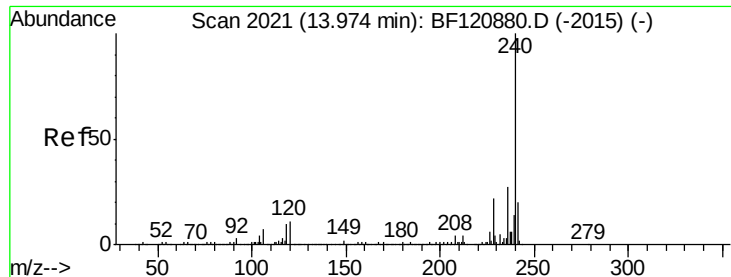
#75
Fluoranthene
Concen: 5.716 ng
RT: 12.54 min Scan# 1777
Delta R.T. -0.01 min
Lab File: BF120999.D
Acq: 24 Jul 2020 13:15

Tgt Ion:202 Resp: 175494
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.7
203 17.6 0.0 38.0



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

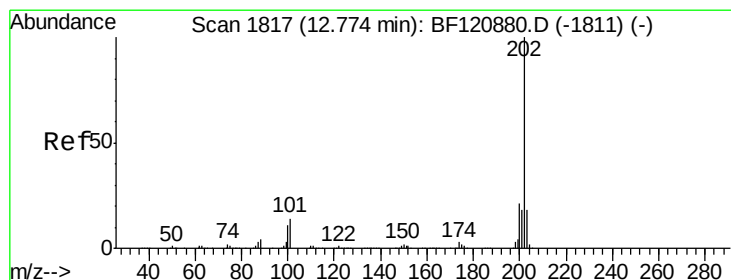
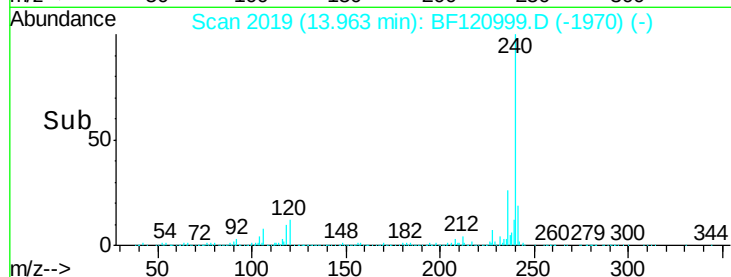
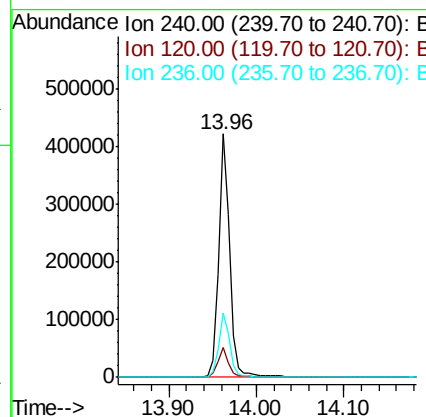
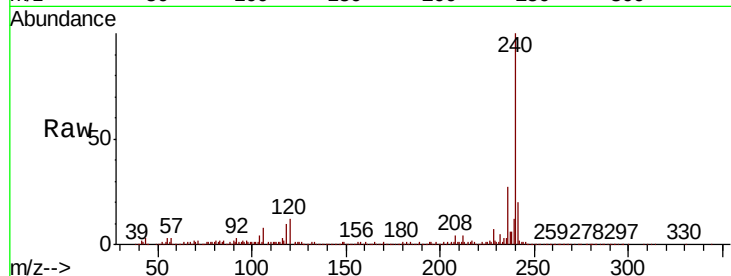




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.96 min Scan# 2019
Delta R.T. -0.01 min
Lab File: BF120999.D
Acq: 24 Jul 2020 13:15

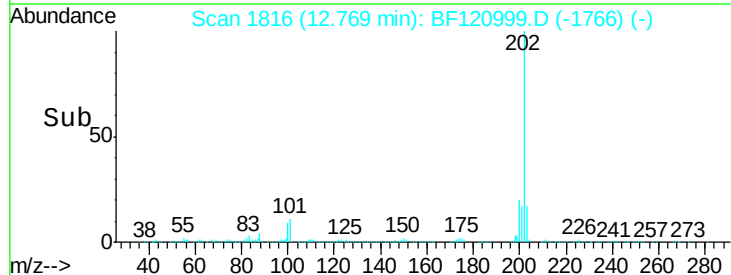
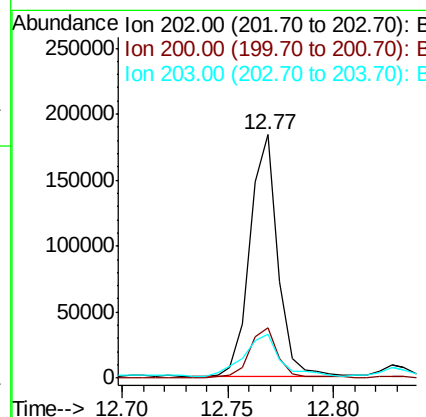
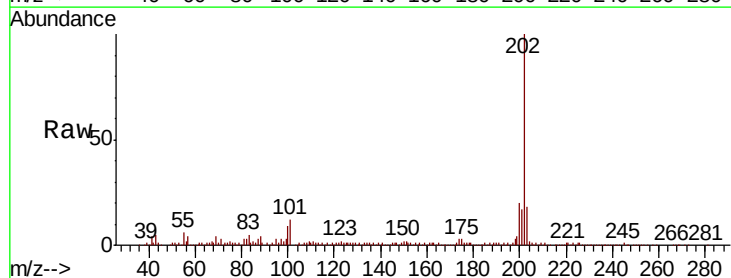
Instrument :
BNA_F
ClientSampleId :

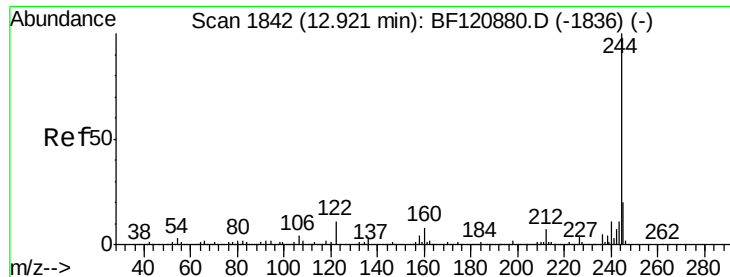
Tot Ion:240 Resp: 365949
Ion Ratio Lower Upper
240 100
120 12.2 9.0 13.4
236 26.6 21.7 32.5



#78
Pyrene
Concen: 6.467 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.01 min
Lab File: BF120999.D
Acq: 24 Jul 2020 13:15

Tgt Ion:202 Resp: 167310
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 18.2 14.4 21.6





#79

Terphenyl-d14

Concen: 66.180 ng

RT: 12.92 min Scan# 1841

Delta R.T. -0.01 min

Lab File: BF120999.D

Acq: 24 Jul 2020 13:15

Instrument :

BNA_F

ClientSampled :

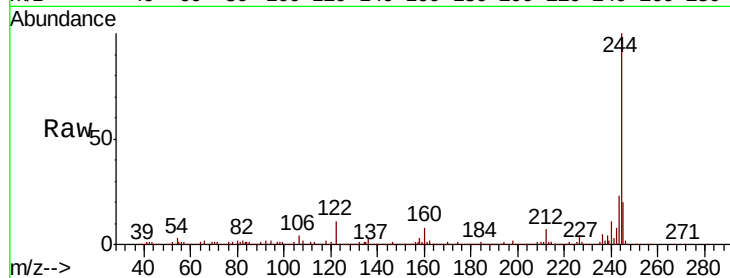
Tot Ion:244 Resp: 1114114

Ion Ratio Lower Upper

244 100

212 6.9 5.6 8.4

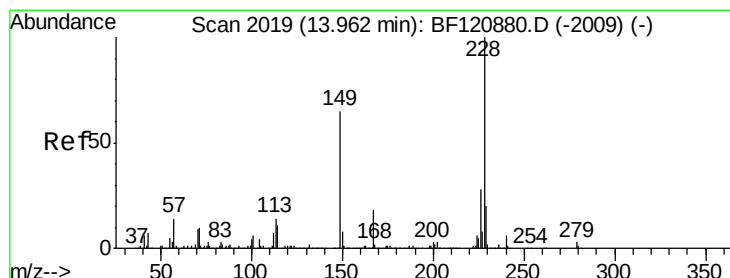
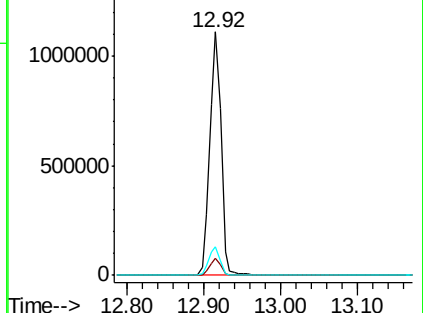
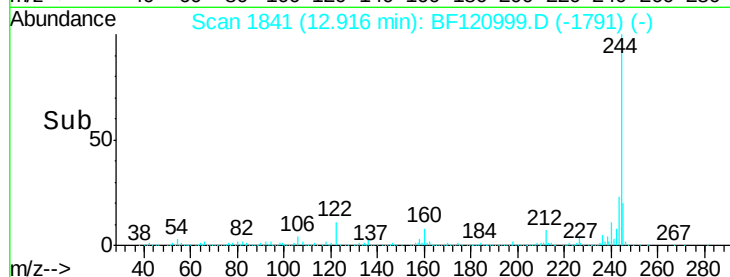
122 11.5 8.9 13.3



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#81

Benzo(a)anthracene

Concen: 3.426 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF120999.D

Acq: 24 Jul 2020 13:15

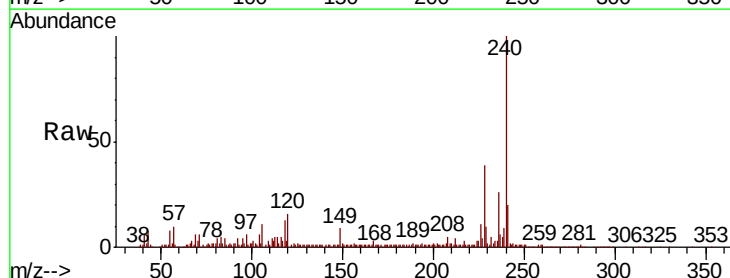
Tgt Ion:228 Resp: 75913

Ion Ratio Lower Upper

228 100

226 29.5 22.3 33.5

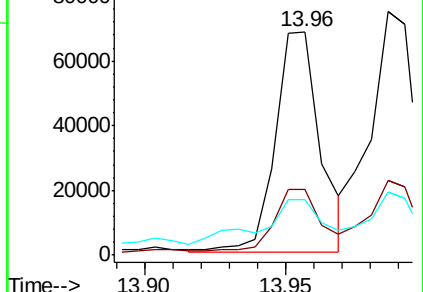
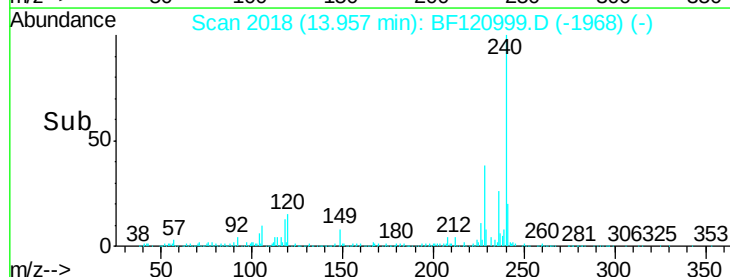
229 25.0 16.1 24.1#

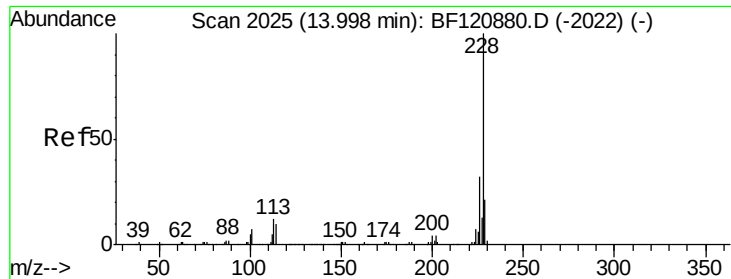


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

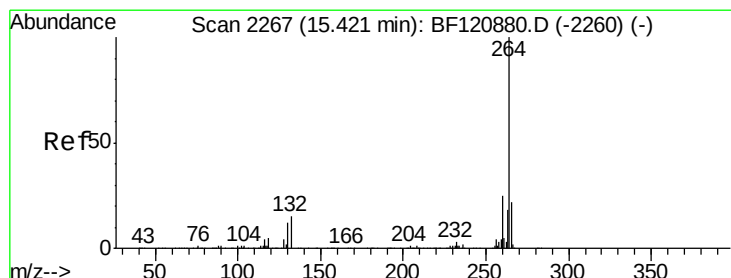
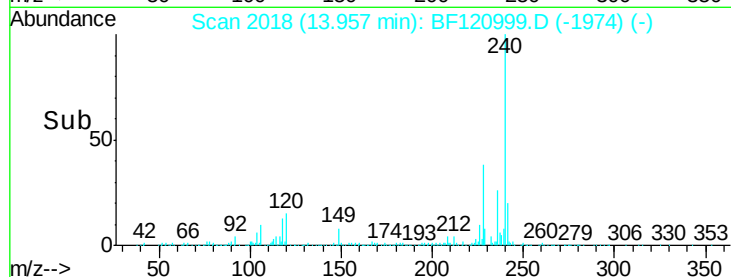
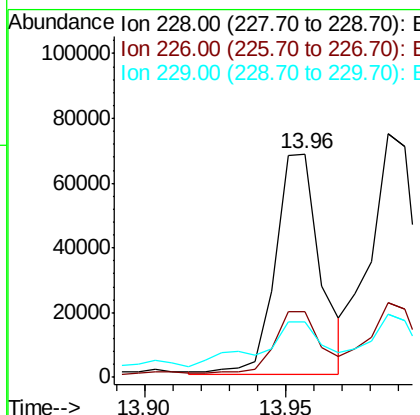
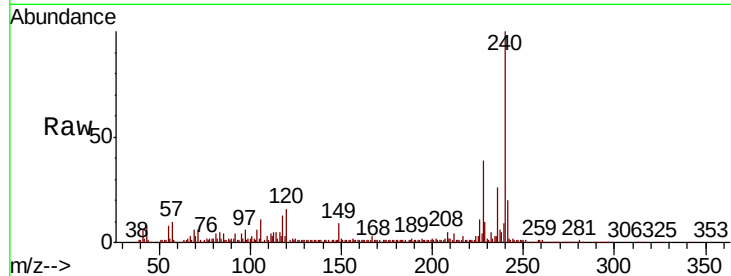




#83
Chrysene
Concen: 3.260 ng
RT: 13.96 min Scan# 2018
Delta R.T. -0.04 min
Lab File: BF120999.D
Acq: 24 Jul 2020 13:15

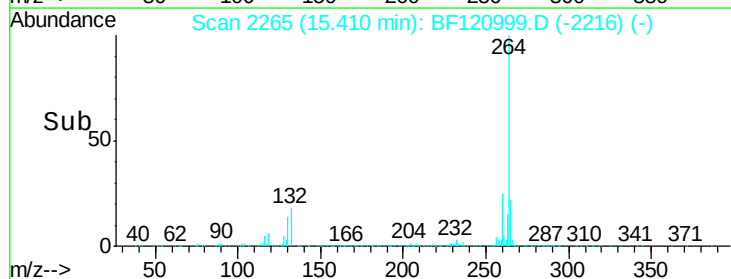
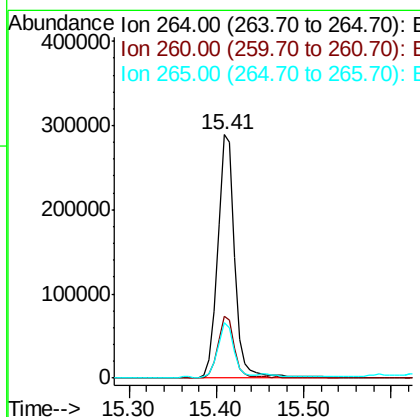
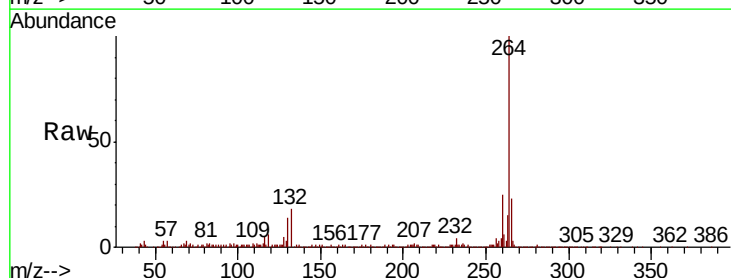
Instrument :
BNA_F
ClientSampleId :

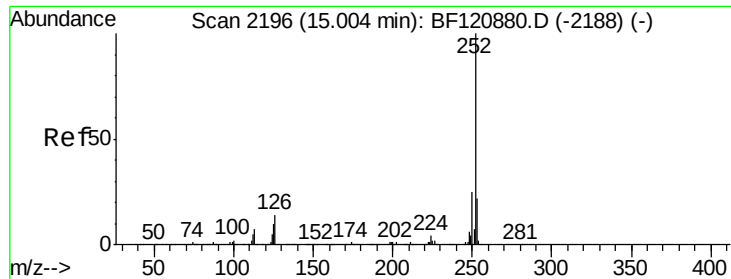
Tot Ion:228 Resp: 75913
Ion Ratio Lower Upper
228 100
226 29.5 25.6 38.4
229 25.0 16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF120999.D
Acq: 24 Jul 2020 13:15

Tgt Ion:264 Resp: 389267
Ion Ratio Lower Upper
264 100
260 25.4 20.0 30.0
265 22.7 17.4 26.2

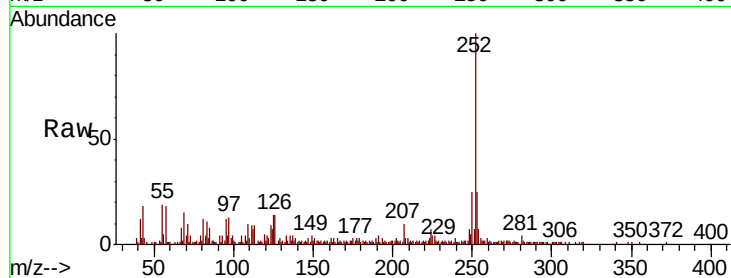




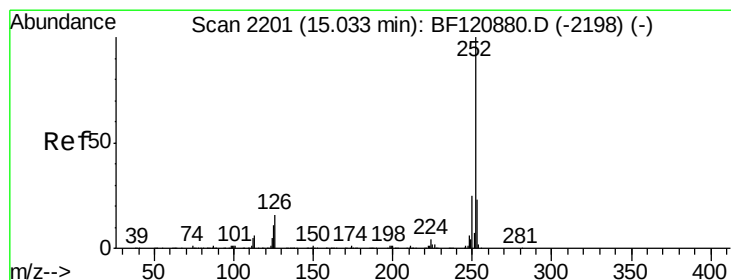
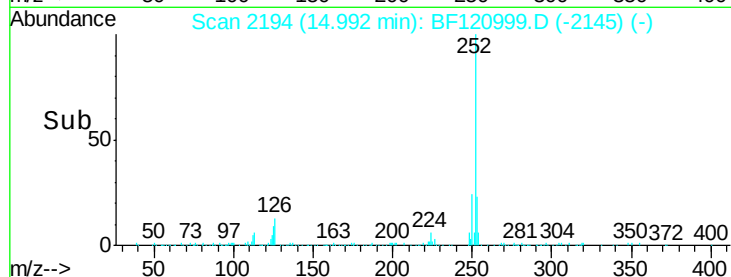
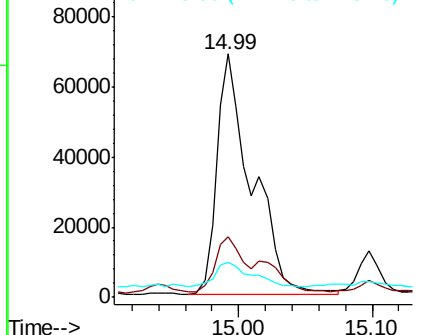
#88
Benzo(b)fluoranthene
Concen: 5.277 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.01 min
Lab File: BF120999.D
Acq: 24 Jul 2020 13:15

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.0	27.0
125	14.2	8.3	12.5#

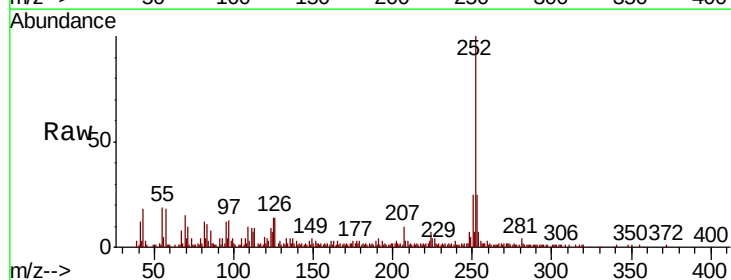


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

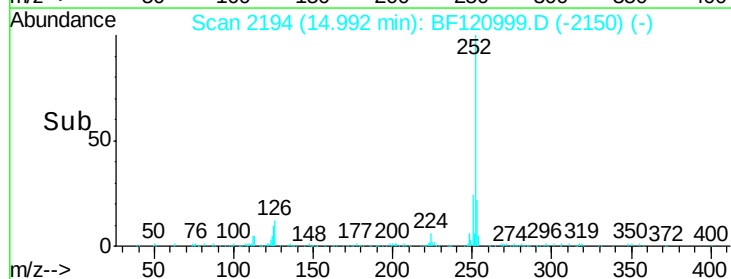
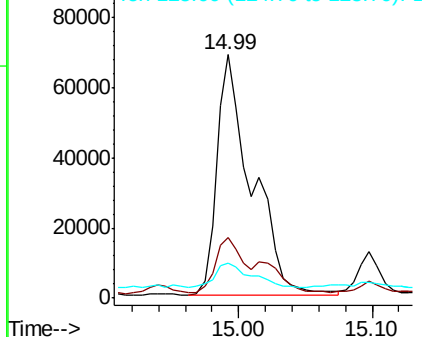


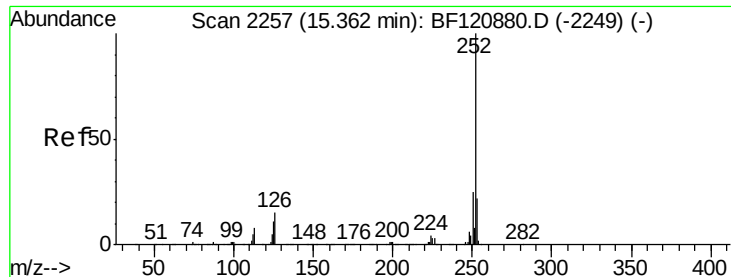
#89
Benzo(k)fluoranthene
Concen: 5.786 ng
RT: 14.99 min Scan# 2194
Delta R.T. -0.04 min
Lab File: BF120999.D
Acq: 24 Jul 2020 13:15

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.8	18.2	27.2
125	14.2	8.4	12.6#



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





#90

Benzo(a)pyrene

Concen: 3.354 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF120999.D

Acq: 24 Jul 2020 13:15

Instrument :

BNA_F

ClientSampleId :

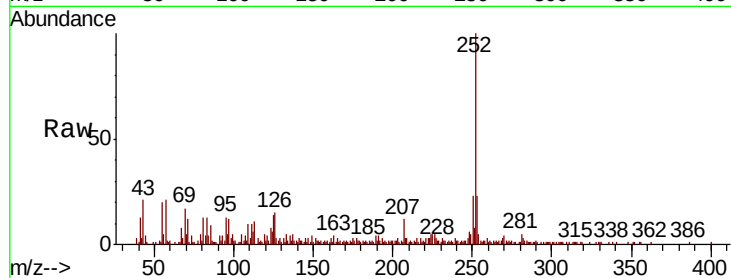
Tot Ion:252 Resp: 71994

Ion Ratio Lower Upper

252 100

253 23.0 17.8 26.8

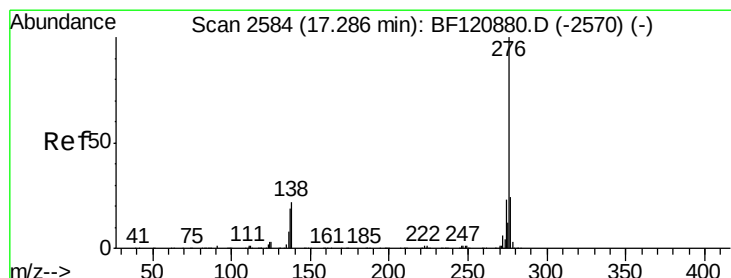
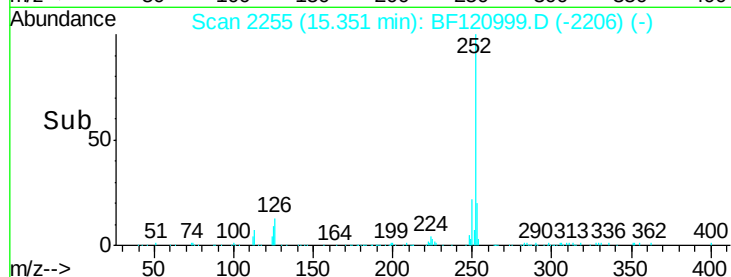
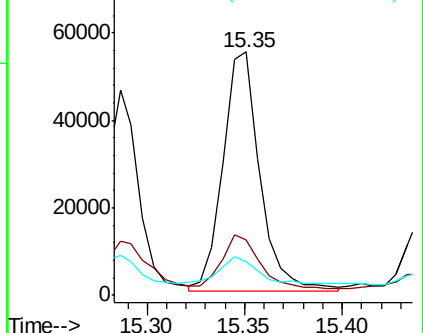
125 14.1 8.9 13.3#



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



#92

Benzo(g,h,i)perylene

Concen: 2.486 ng

RT: 17.26 min Scan# 2579

Delta R.T. -0.03 min

Lab File: BF120999.D

Acq: 24 Jul 2020 13:15

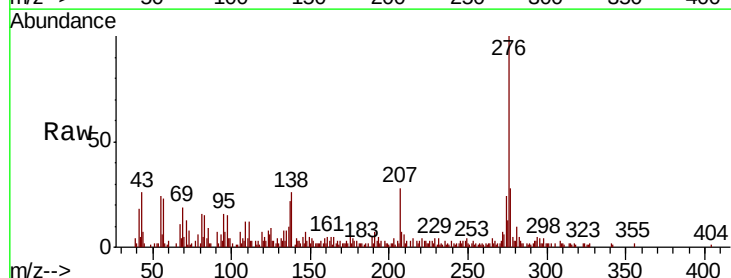
Tgt Ion:276 Resp: 54202

Ion Ratio Lower Upper

276 100

277 27.8 18.8 28.2

138 26.0 17.5 26.3



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

