

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080620\
 Data File : BF121207.D
 Acq On : 6 Aug 2020 17:42
 Operator : JU/CG
 Sample : L3553-02
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 JB-1A

Quant Time: Aug 06 19:03:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 29 14:55:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	135548	20.00	ng	-0.01
21) Naphthalene-d8	8.07	136	541993	20.00	ng	-0.01
39) Acenaphthene-d10	9.83	164	284161	20.00	ng	-0.01
64) Phenanthrene-d10	11.32	188	546452	20.00	ng	0.00
76) Chrysene-d12	13.96	240	395097	20.00	ng	0.00
86) Perylene-d12	15.41	264	392326	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.40	112	588460	71.17	ng	-0.01
7) Phenol-d6	6.43	99	720370	67.45	ng	-0.02
23) Nitrobenzene-d5	7.35	82	471612	50.35	ng	-0.02
42) 2,4,6-Tribromophenol	10.62	330	219112	70.44	ng	-0.01
45) 2-Fluorobiphenyl	9.15	172	907909	47.70	ng	-0.01
79) Terphenyl-d14	12.90	244	900819	49.56	ng	0.00

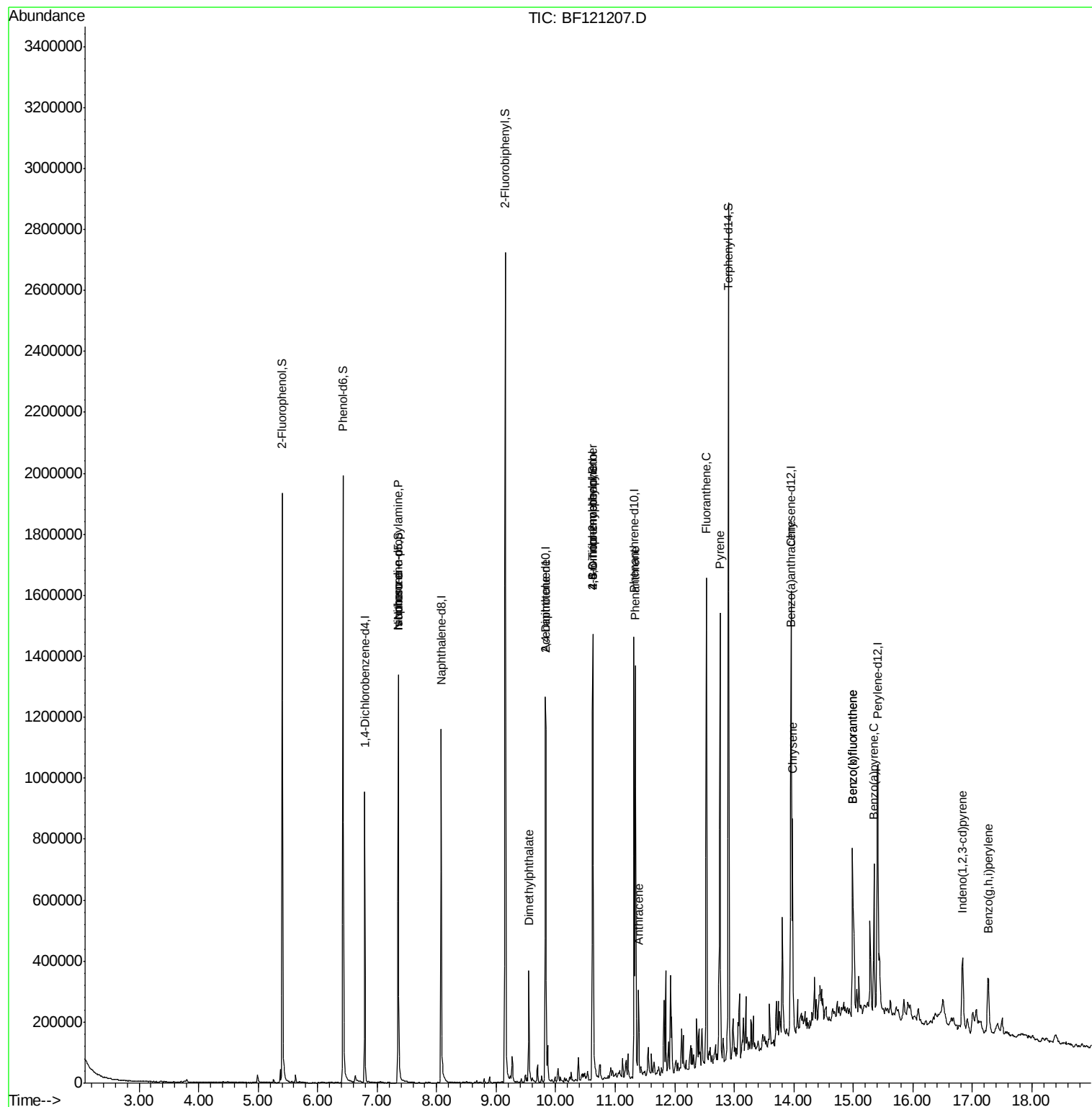
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.35	77	126	Below Cal		# 49
19) n-Nitroso-di-n-propylamine	7.35	70	62270	10.253	ng	# 79
25) Isophorone	7.35	82	459142	24.561	ng	# 62
50) Dimethylphthalate	9.55	163	165921	8.094	ng	100
57) 2,4-Dinitrotoluene	9.83	165	36868	6.374	ng	# 29
65) 4,6-Dinitro-2-methylphenol	10.62	198	383	3.954	ng	# 1
67) 4-Bromophenyl-phenylether	10.62	248	12280	2.016	ng	# 1
71) Phenanthrene	11.34	178	479148	17.049	ng	99
72) Anthracene	11.39	178	104189	3.692	ng	96
75) Fluoranthene	12.53	202	661479	21.234	ng	98
78) Pyrene	12.76	202	653148	23.382	ng	99
81) Benzo(a)anthracene	13.95	228	297333	12.428	ng	100
83) Chrysene	13.98	228	271107	10.783	ng	97
87) Indeno(1,2,3-cd)pyrene	16.83	276	160111	5.868	ng	94
88) Benzo(b)fluoranthene	14.99	252	407716	17.193	ng	99
89) Benzo(k)fluoranthene	14.99	252	407716	18.852	ng	99
90) Benzo(a)pyrene	15.34	252	233751	10.804	ng	99
92) Benzo(a,h,i)perylene	17.26	276	156009	7.099	ng	98

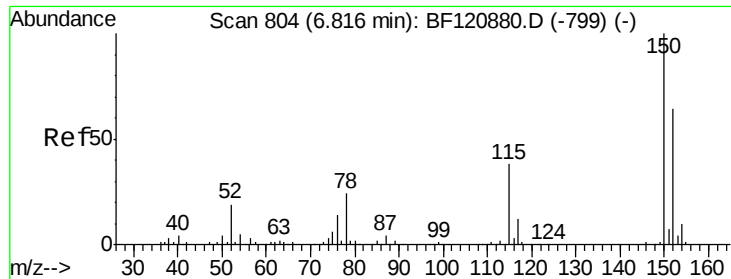
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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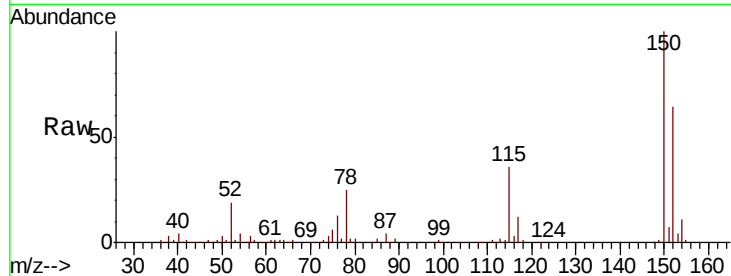


#1

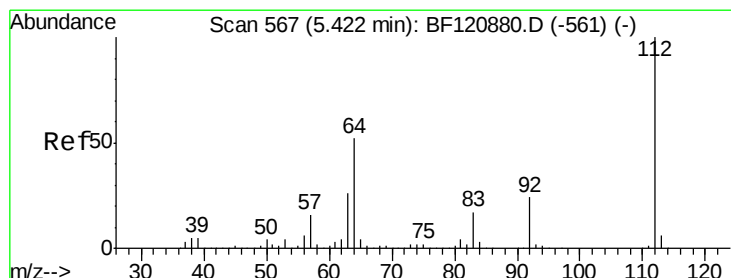
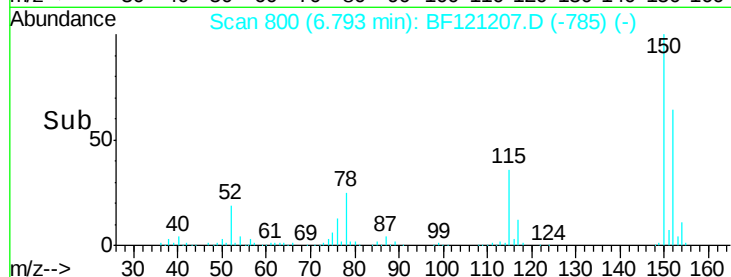
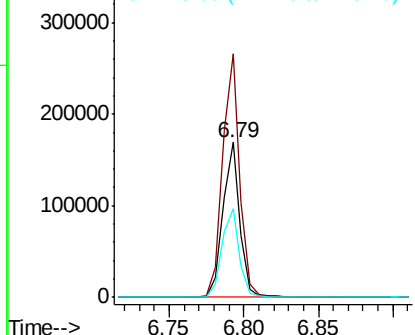
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.79 min Scan# 800
 Delta R.T. -0.01 min
 Lab File: BF121207.D
 Acq: 6 Aug 2020 17:42

Instrument :
 BNA_F
 ClientSampleId :
 JB-1A

Tot Ion:152 Resp: 135548
 Ion Ratio Lower Upper
 152 100
 150 156.9 125.6 188.4
 115 57.2 46.2 69.2



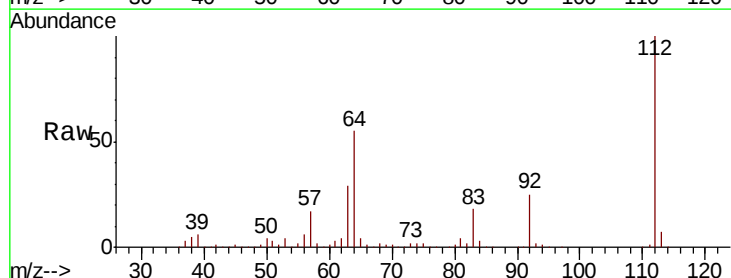
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



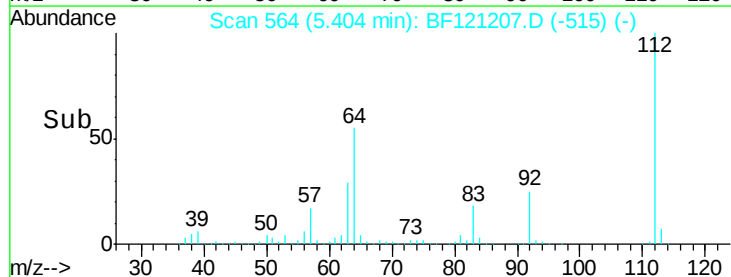
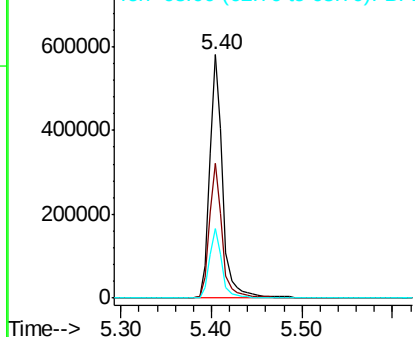
#5

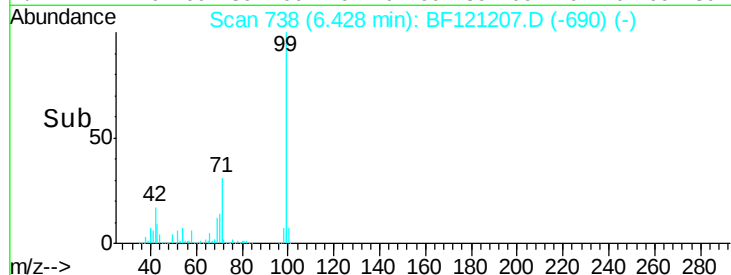
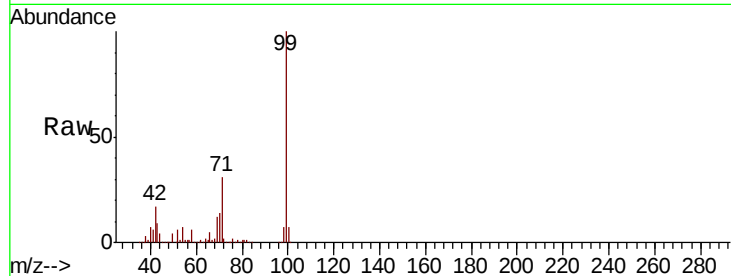
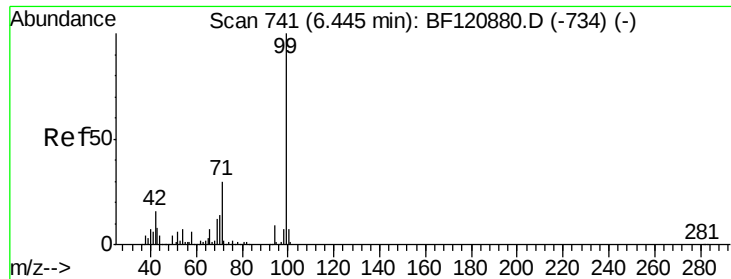
2-Fluorophenol
 Concen: 71.170 ng
 RT: 5.40 min Scan# 564
 Delta R.T. -0.01 min
 Lab File: BF121207.D
 Acq: 6 Aug 2020 17:42

Tgt Ion:112 Resp: 588460
 Ion Ratio Lower Upper
 112 100
 64 55.4 43.9 65.9
 63 28.6 22.7 34.1



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: 67.446 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.02 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

Instrument :

BNA_F

ClientSampleId :

JB-1A

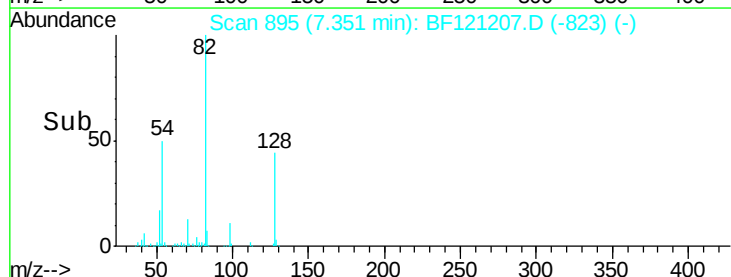
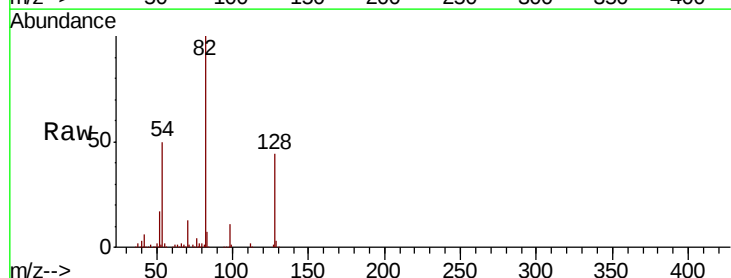
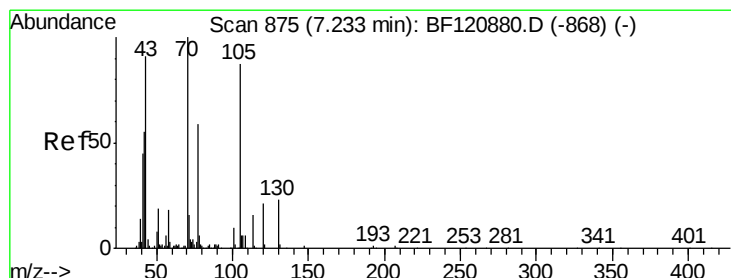
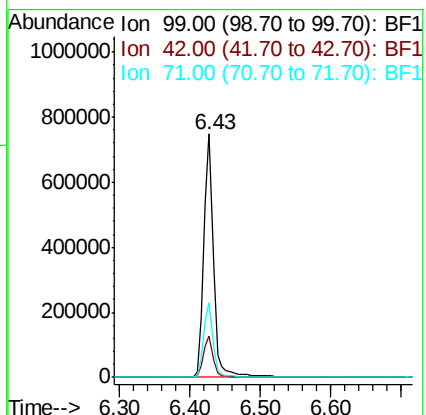
Tot Ion: 99 Resp: 720370

Ion Ratio Lower Upper

99 100

42 17.0 13.5 20.3

71 30.7 25.0 37.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.253 ng

RT: 7.35 min Scan# 895

Delta R.T. 0.12 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

Tgt Ion: 70 Resp: 62270

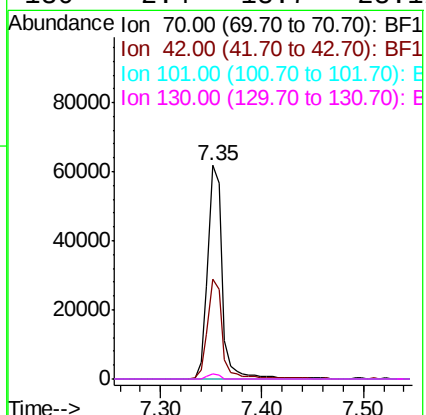
Ion Ratio Lower Upper

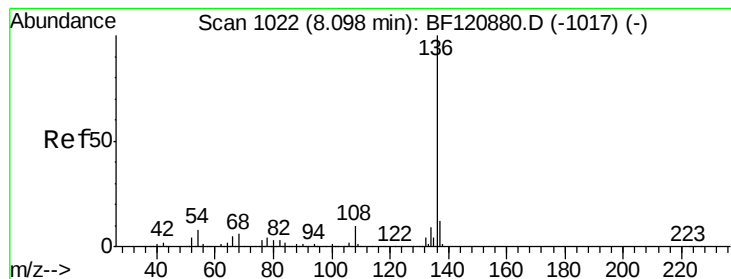
70 100

42 46.6 43.3 64.9

101 0.0 8.4 12.6#

130 2.4 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.07 min Scan# 1018

Delta R.T. -0.01 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

Instrument :

BNA_F

ClientSampleId :

JB-1A

Tot Ion:136 Resp: 541993

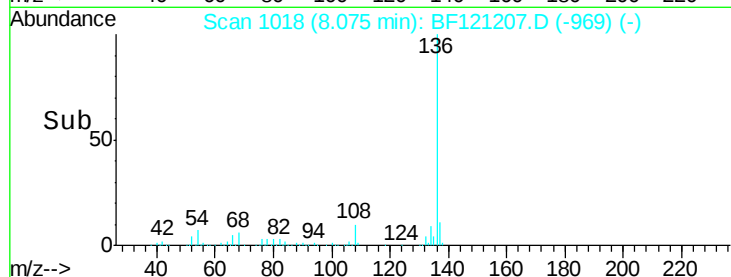
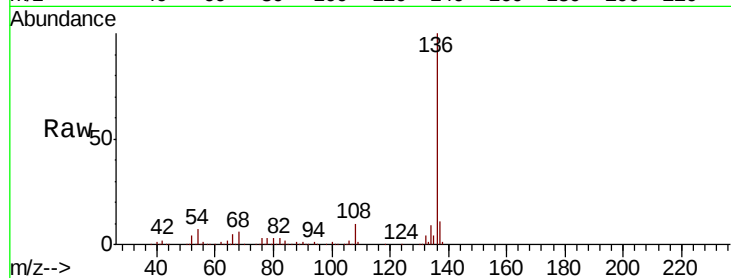
Ion Ratio Lower Upper

136 100

137 11.1 9.0 13.4

54 7.3 6.1 9.1

68 5.7 5.0 7.6

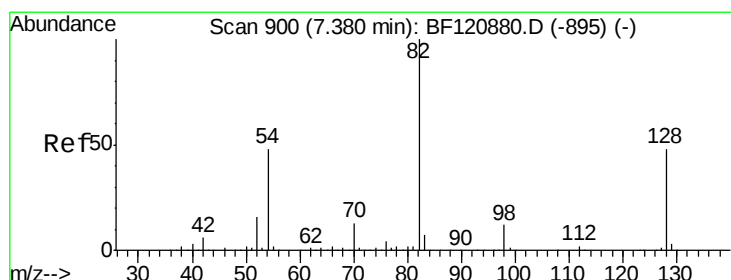
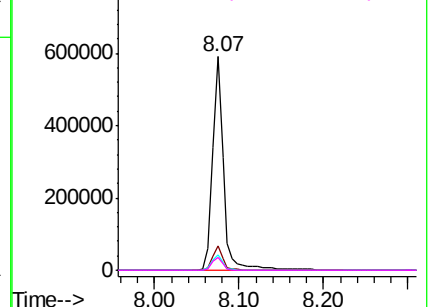


Abundance Ion 136.00 (135.70 to 136.70): E

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: 50.349 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.02 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

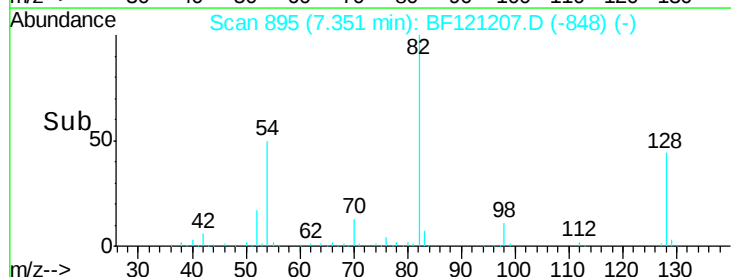
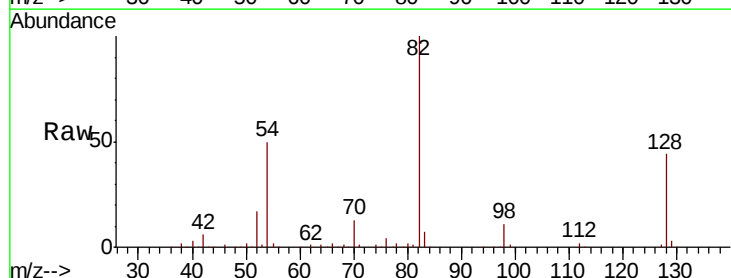
Tgt Ion: 82 Resp: 471612

Ion Ratio Lower Upper

82 100

128 44.2 39.2 58.8

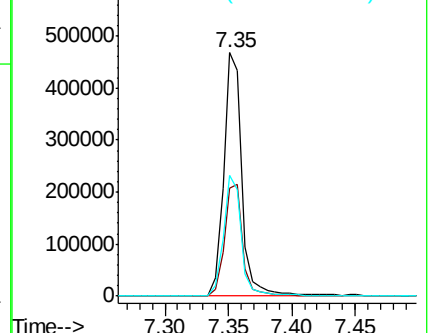
54 49.5 37.8 56.8

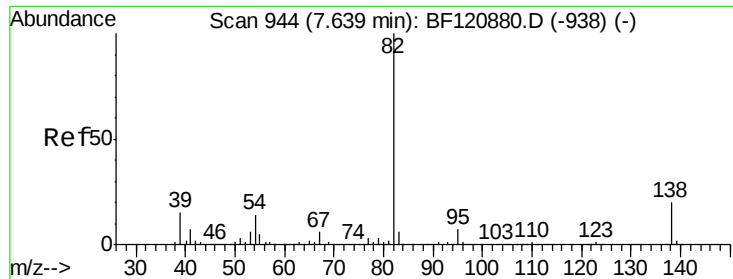


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 24.561 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.28 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

Instrument :

BNA_F

ClientSampleId :

JB-1A

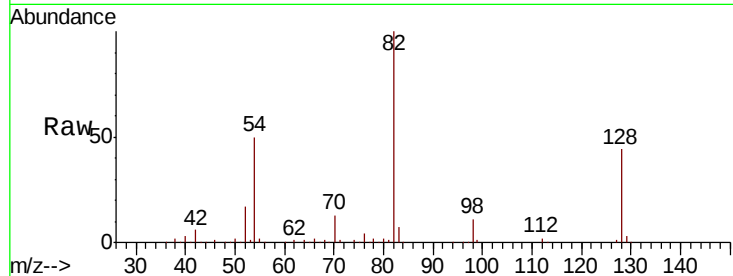
Tot Ion: 82 Resp: 459142

Ion Ratio Lower Upper

82 100

95 0.0 5.5 8.3#

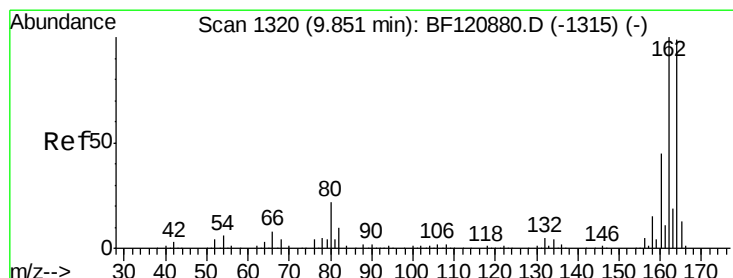
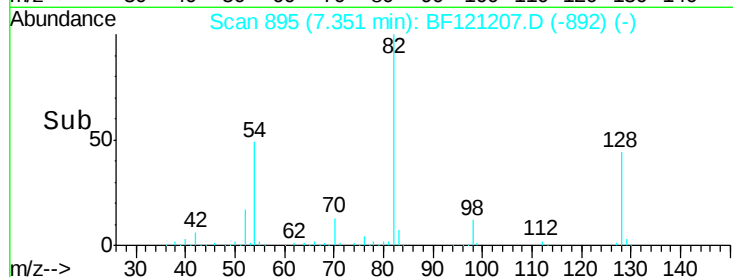
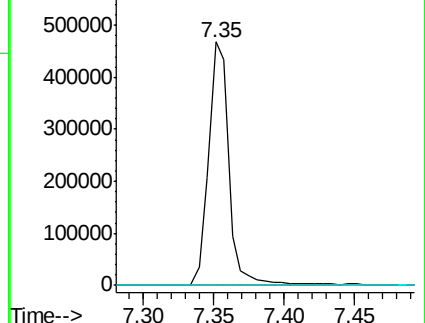
138 0.0 16.2 24.2#



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: 9.83 min Scan# 1316

Delta R.T. -0.01 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

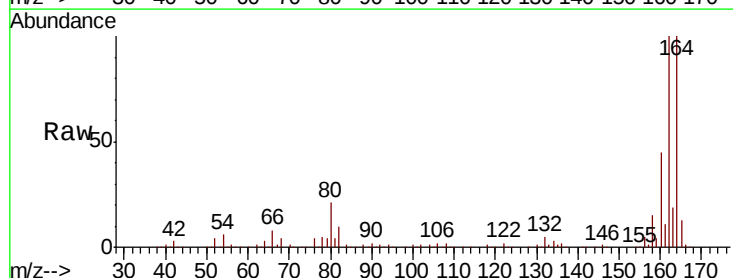
Tgt Ion: 164 Resp: 284161

Ion Ratio Lower Upper

164 100

162 100.2 82.2 123.2

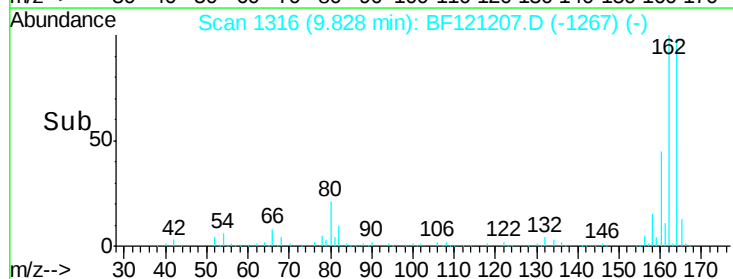
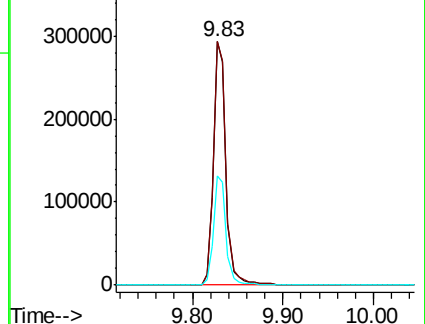
160 45.0 37.2 55.8

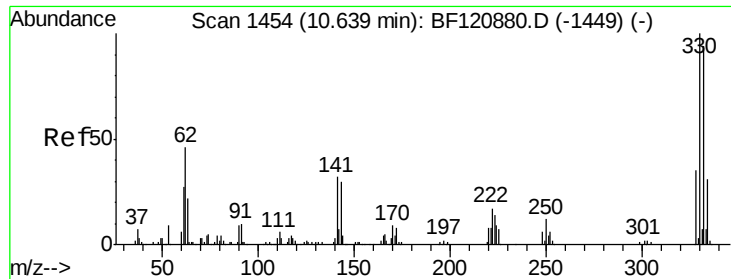


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

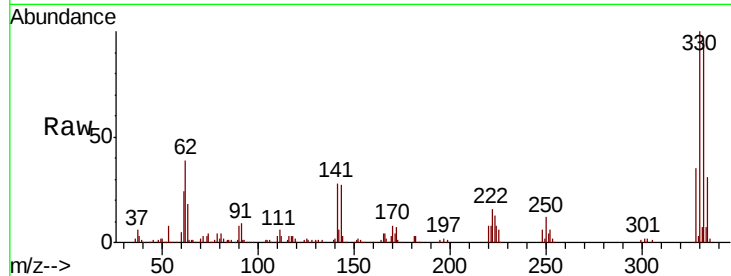




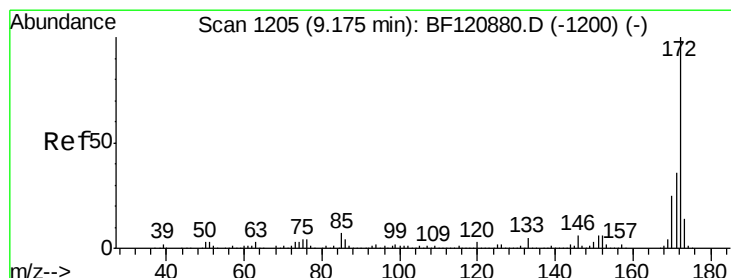
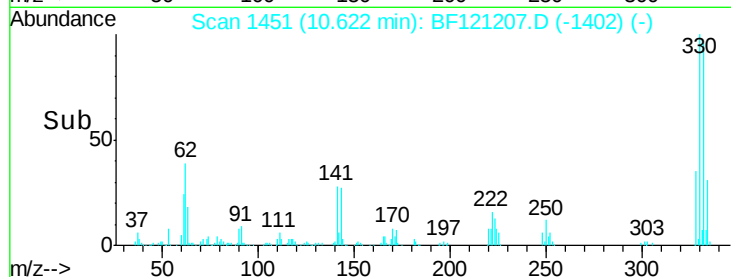
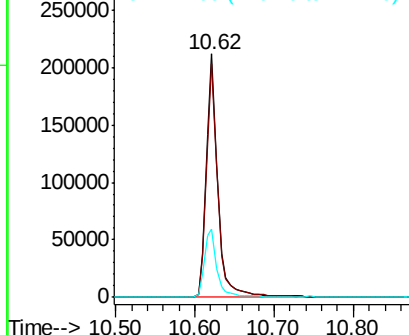
#42
 2,4,6-Tribromophenol
 Concen: 70.444 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF121207.D
 Acq: 6 Aug 2020 17:42

Instrument :
 BNA_F
 ClientSampleId :
 JB-1A

Tot Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.1	114.1
141	31.1	24.1	36.1

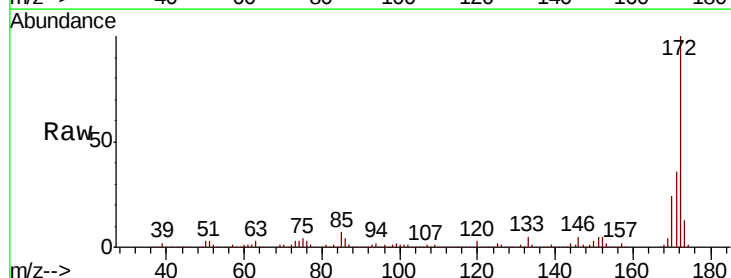


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

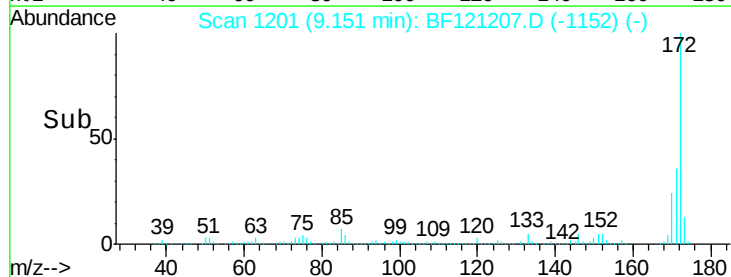
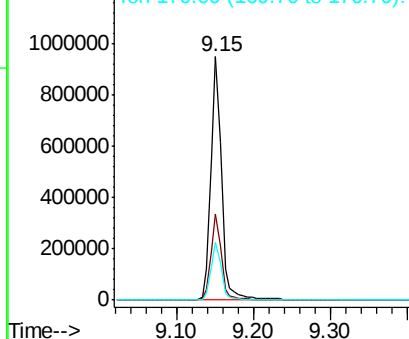


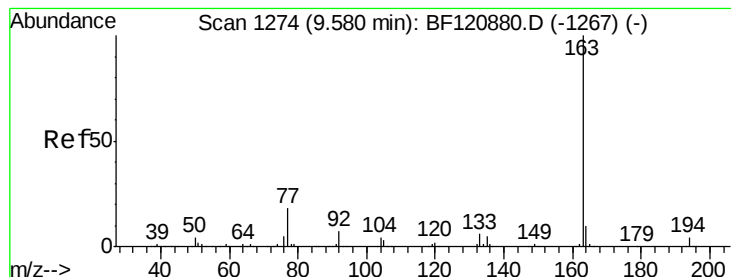
#45
 2-Fluorobiphenyl
 Concen: 47.703 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF121207.D
 Acq: 6 Aug 2020 17:42

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.0	43.4
170	23.8	19.6	29.4



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: 8.094 ng

RT: 9.55 min Scan# 1268

Delta R.T. -0.02 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

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ClientSampleId :

JB-1A

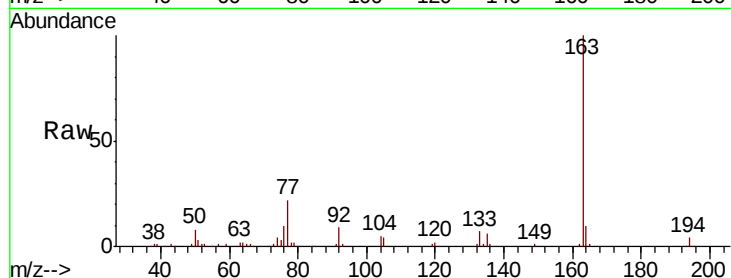
Tot Ion:163 Resp: 165921

Ion Ratio Lower Upper

163 100

194 3.7 3.0 4.4

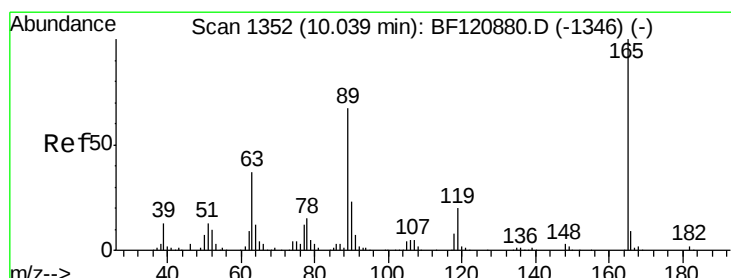
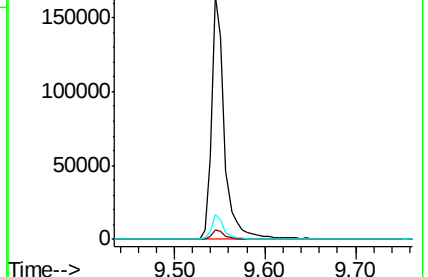
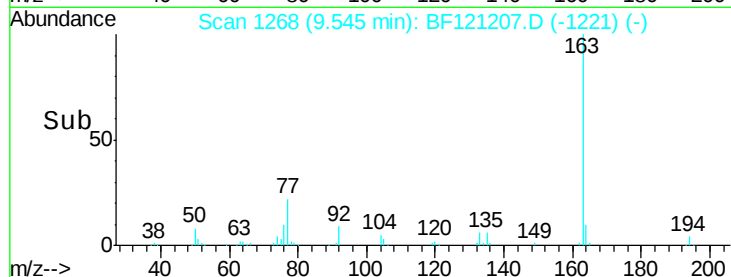
164 10.4 8.4 12.6



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: 6.374 ng

RT: 9.83 min Scan# 1316

Delta R.T. -0.21 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

Tgt Ion:165 Resp: 36868

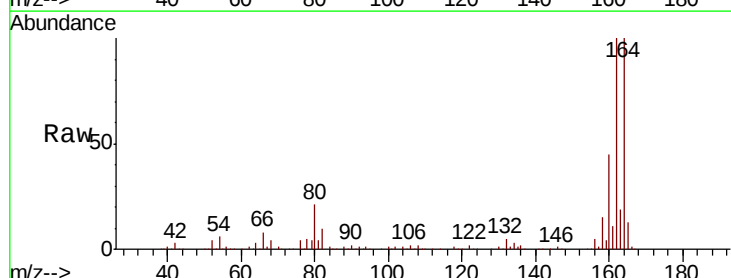
Ion Ratio Lower Upper

165 100

63 0.9 29.8 44.8#

89 1.1 50.3 75.5#

182 0.0 2.1 3.1#

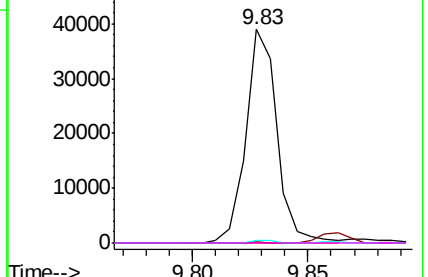
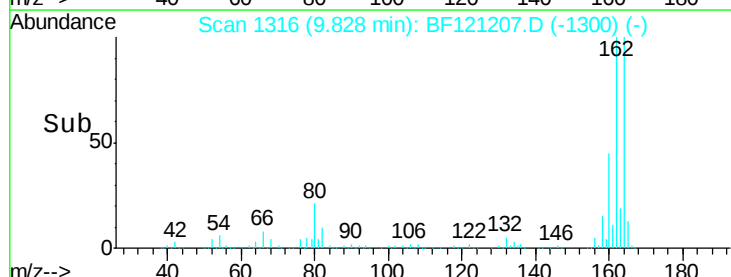


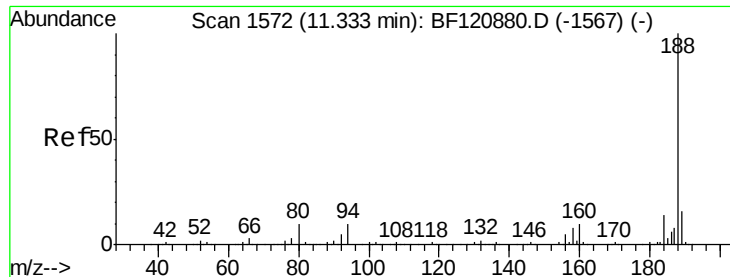
Abundance Ion 165.00 (164.70 to 165.70): E

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

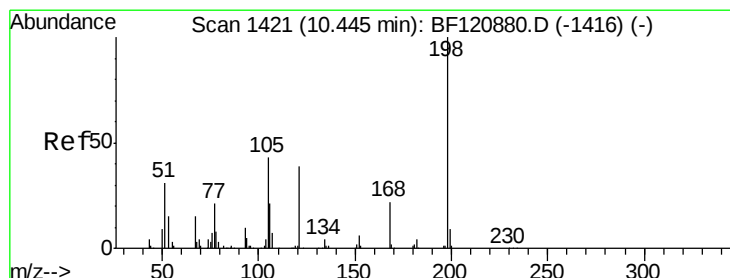
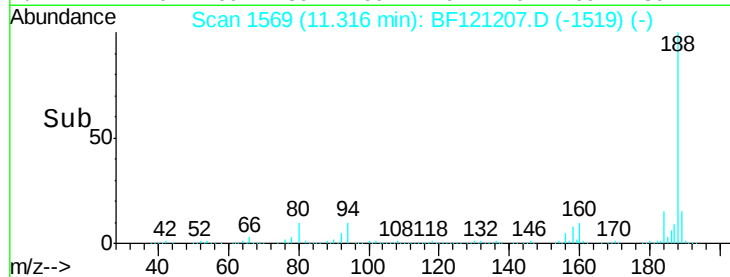
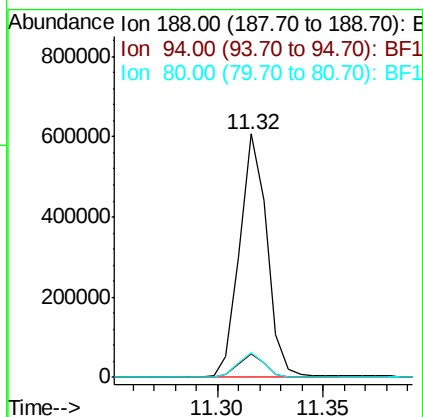
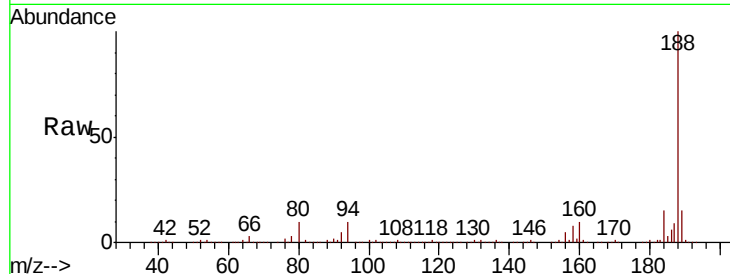




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. -0.01 min
Lab File: BF121207.D
Acq: 6 Aug 2020 17:42

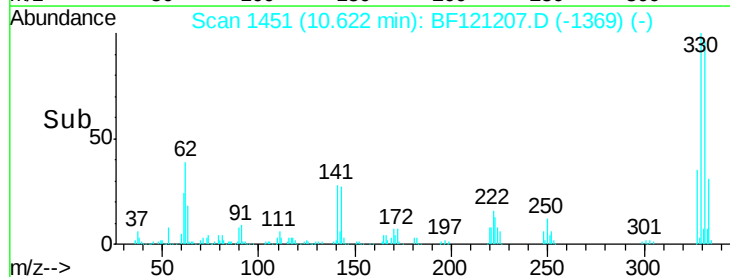
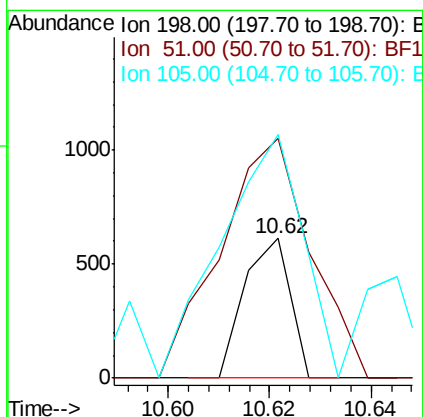
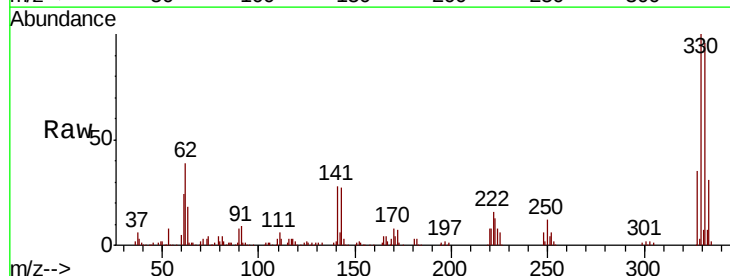
Instrument :
BNA_F
ClientSampleId :
JB-1A

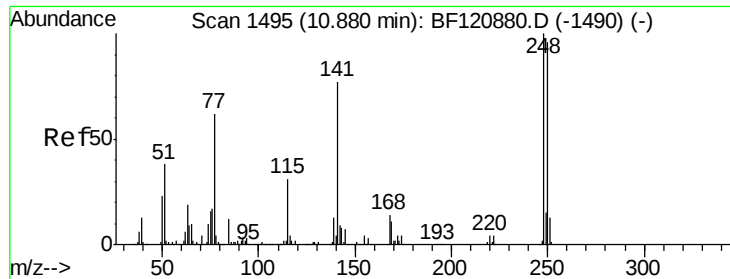
Tot Ion:188 Resp: 546452
Ion Ratio Lower Upper
188 100
94 9.7 8.0 12.0
80 10.4 8.3 12.5



#65
4,6-Dinitro-2-methylphenol
Concen: 3.954 ng
RT: 10.62 min Scan# 1451
Delta R.T. 0.18 min
Lab File: BF121207.D
Acq: 6 Aug 2020 17:42

Tgt Ion:198 Resp: 383
Ion Ratio Lower Upper
198 100
51 171.7 23.4 63.4#
105 174.8 23.7 63.7#

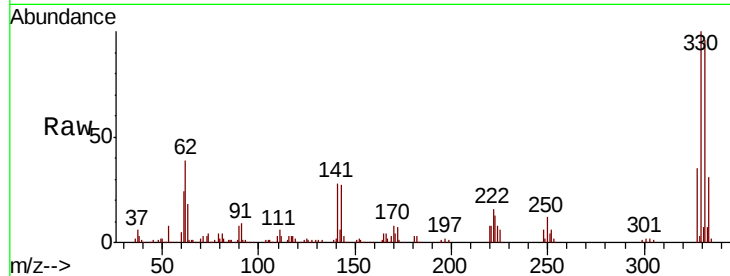




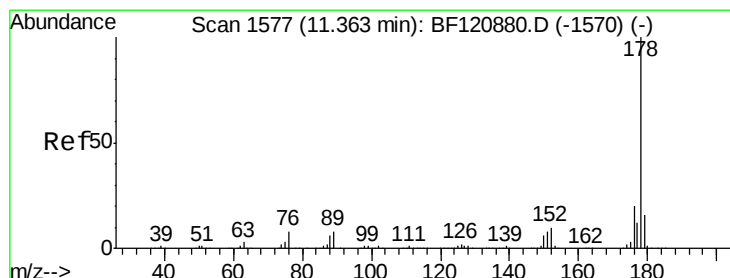
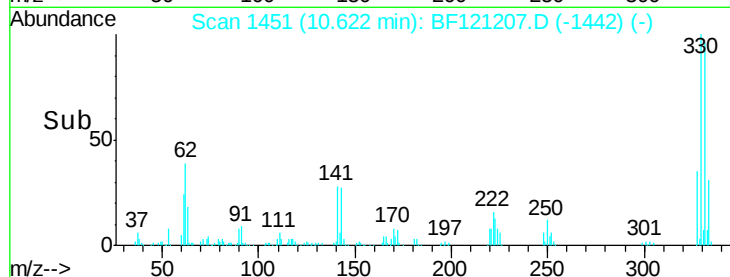
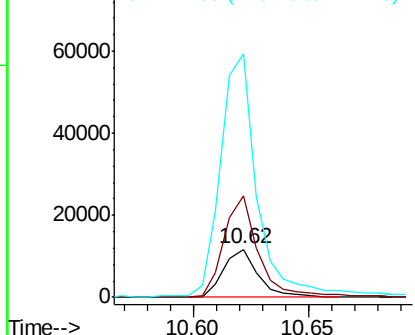
#67
 4-Bromophenyl-phenylether
 Concen: 2.016 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.25 min
 Lab File: BF121207.D
 Acq: 6 Aug 2020 17:42

Instrument :
 BNA_F
 ClientSampleId :
 JB-1A

Tot Ion	Ratio	Lower	Upper
248	100		
250	211.7	77.0	115.6#
141	506.4	56.6	85.0#

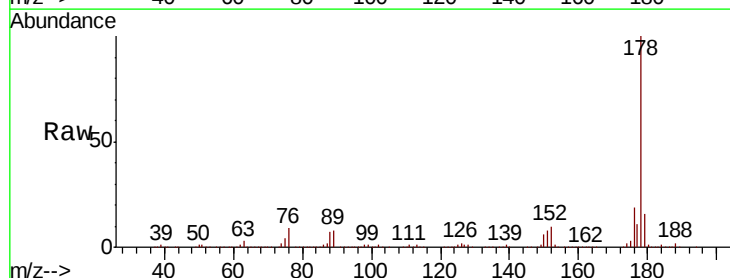


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

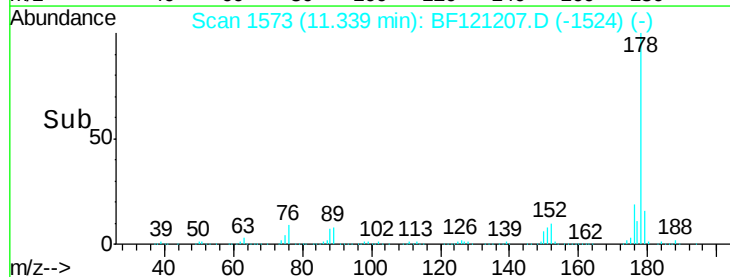
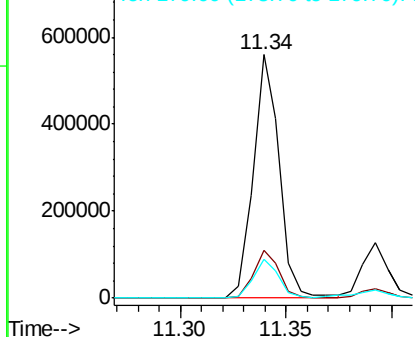


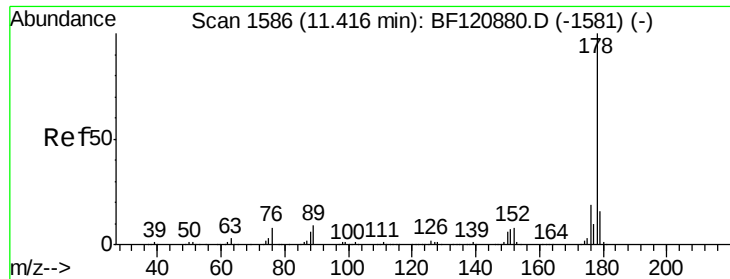
#71
 Phenanthrene
 Concen: 17.049 ng
 RT: 11.34 min Scan# 1573
 Delta R.T. -0.01 min
 Lab File: BF121207.D
 Acq: 6 Aug 2020 17:42

Tgt Ion	Ratio	Lower	Upper
178	100		
176	19.5	16.2	24.2
179	15.9	12.6	19.0



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





#72

Anthracene

Concen: 3.692 ng

RT: 11.39 min Scan# 1582

Delta R.T. -0.01 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

Instrument :

BNA_F

ClientSampleId :

JB-1A

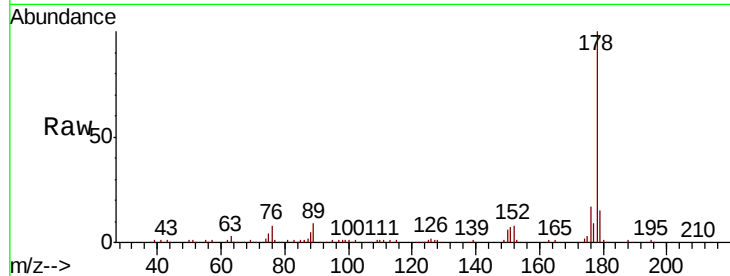
Tot Ion:178 Resp: 104189

Ion Ratio Lower Upper

178 100

176 17.5 15.8 23.8

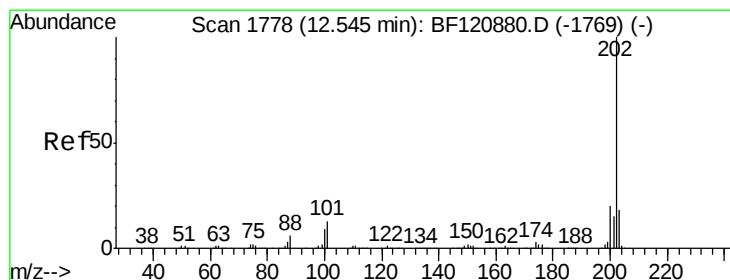
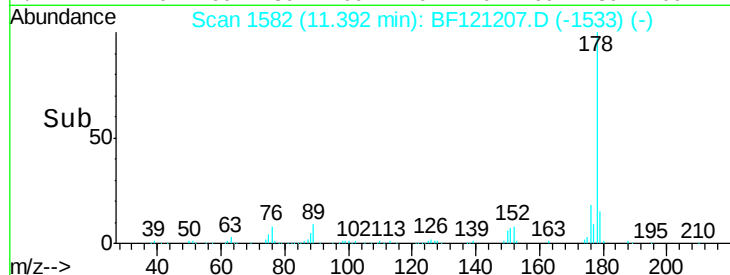
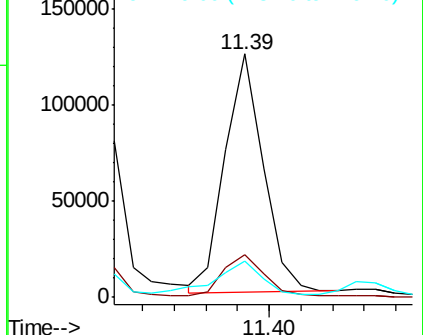
179 15.0 12.6 19.0



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: 21.234 ng

RT: 12.53 min Scan# 1775

Delta R.T. -0.01 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

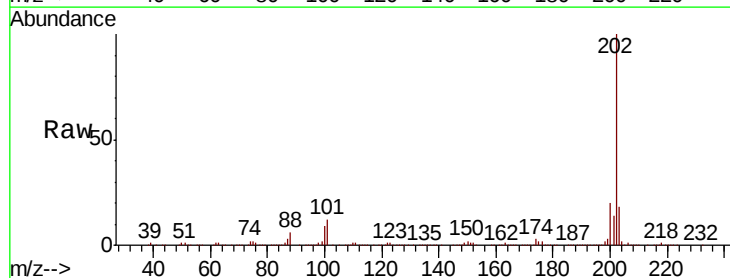
Tgt Ion:202 Resp: 661479

Ion Ratio Lower Upper

202 100

101 12.3 0.0 30.5

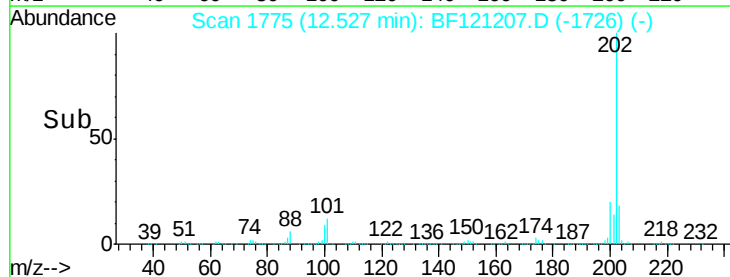
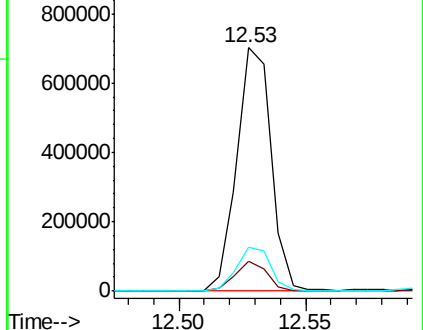
203 18.0 0.0 37.7

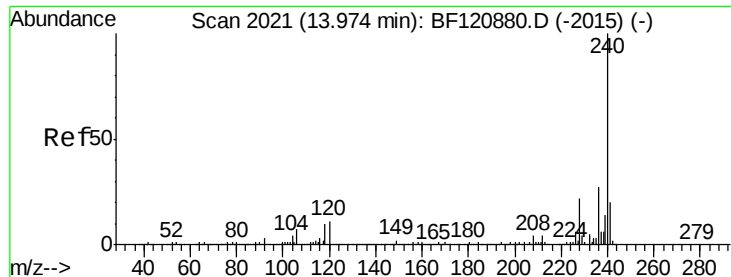


Abundance Ion 202.00 (201.70 to 202.70): E

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# 2018

Delta R.T. -0.01 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

Instrument :

BNA_F

ClientSampleId :

JB-1A

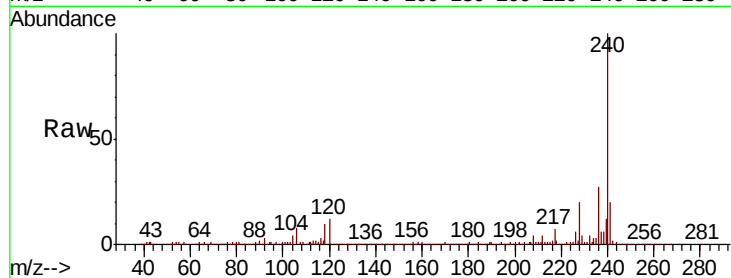
Tot Ion:240 Resp: 395097

Ion Ratio Lower Upper

240 100

120 11.8 9.3 13.9

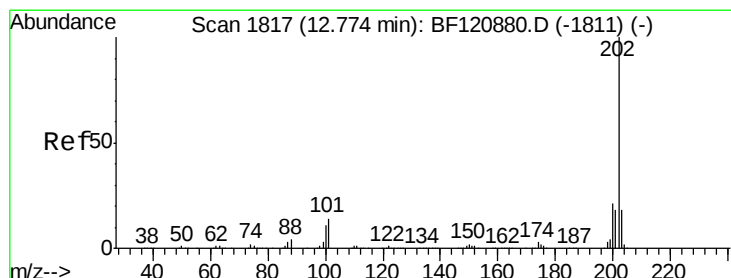
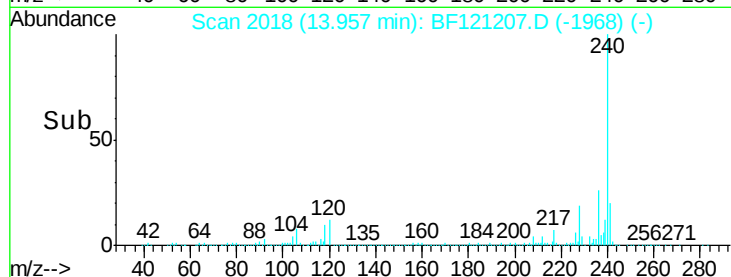
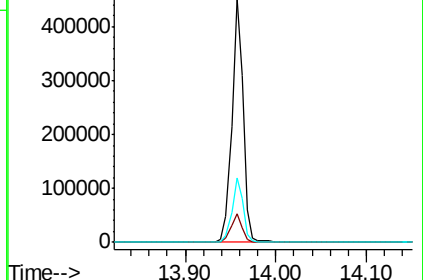
236 26.5 21.1 31.7



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: 23.382 ng

RT: 12.76 min Scan# 1814

Delta R.T. -0.01 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

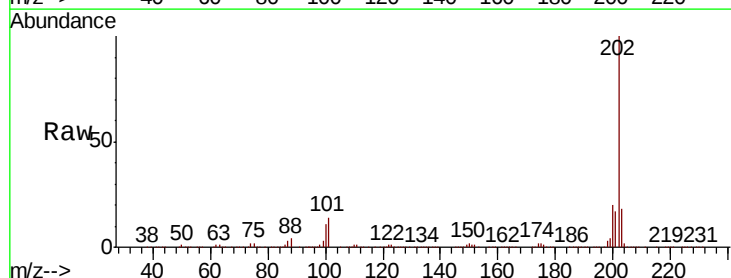
Tgt Ion:202 Resp: 653148

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.6

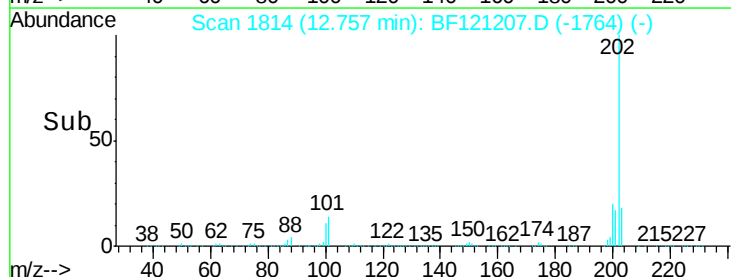
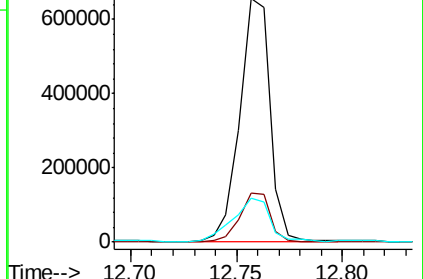
203 18.3 14.6 21.8

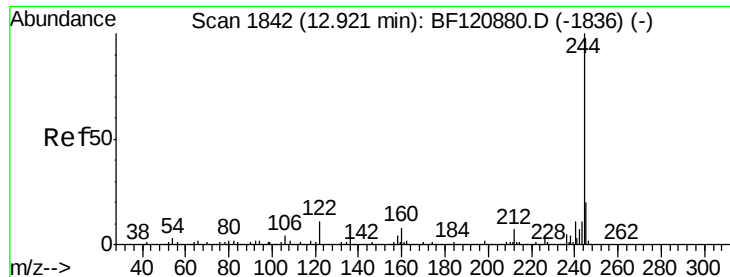


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 49.562 ng

RT: 12.90 min Scan# 1839

Delta R.T. -0.01 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

Instrument :

BNA_F

ClientSampleId :

JB-1A

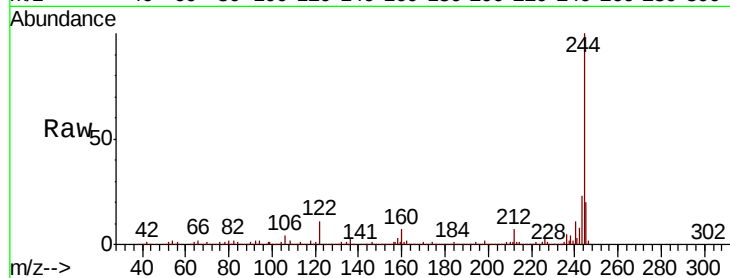
Tot Ion:244 Resp: 900819

Ion Ratio Lower Upper

244 100

212 6.9 5.7 8.5

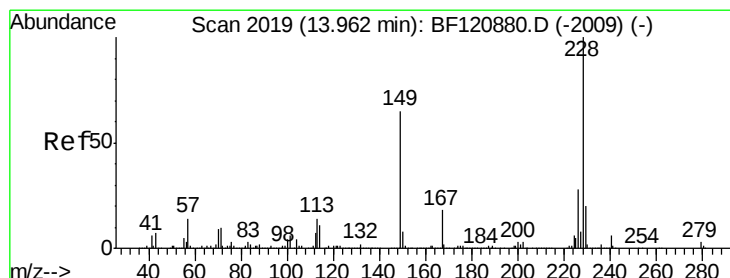
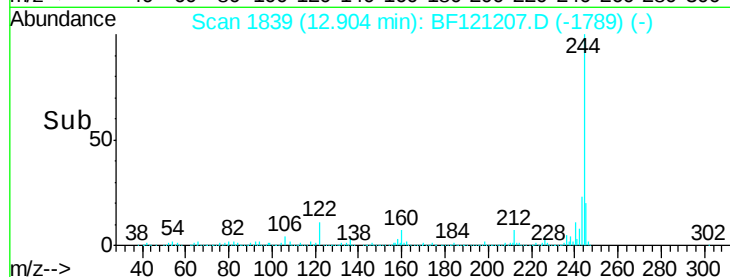
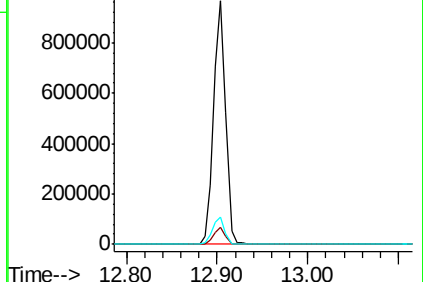
122 11.1 8.3 12.5



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: 12.428 ng

RT: 13.95 min Scan# 2016

Delta R.T. -0.01 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

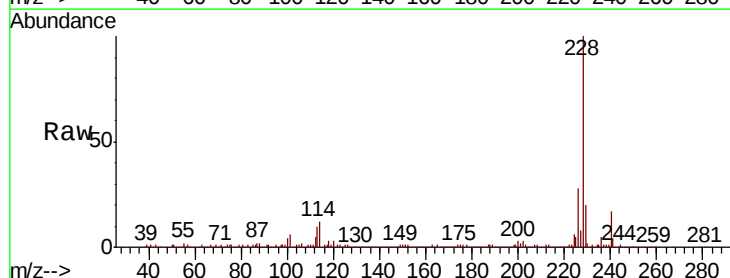
Tgt Ion:228 Resp: 297333

Ion Ratio Lower Upper

228 100

226 28.5 22.6 34.0

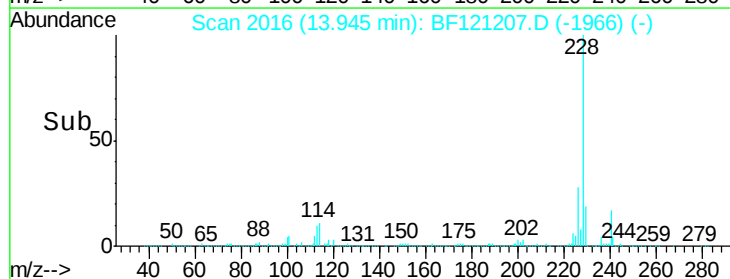
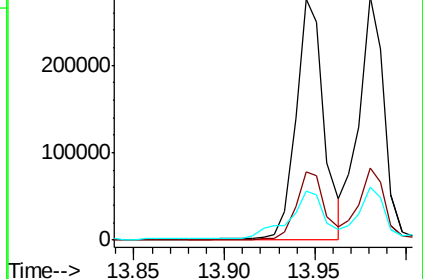
229 20.1 16.1 24.1

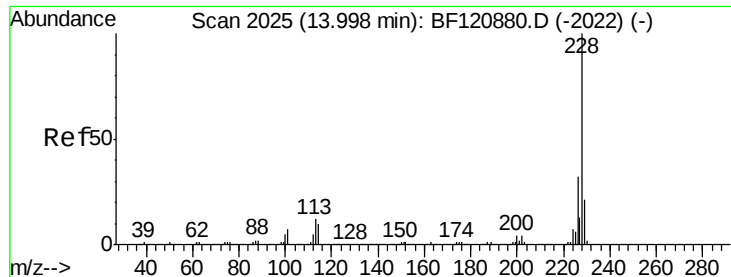


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

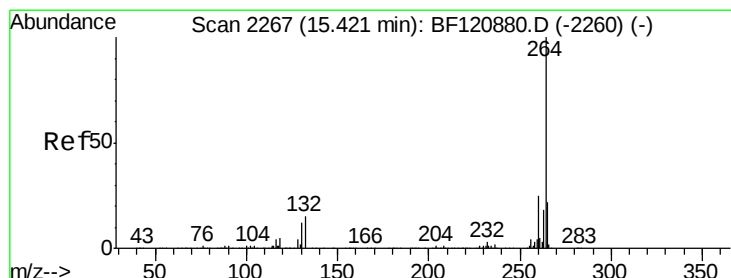
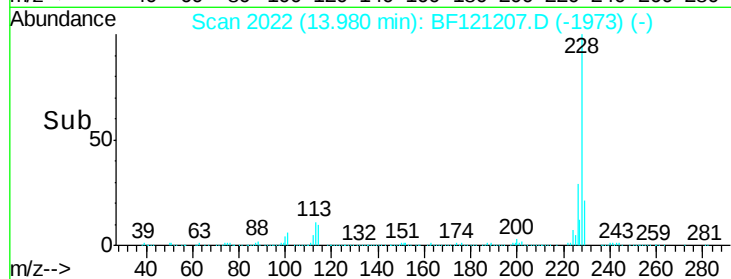
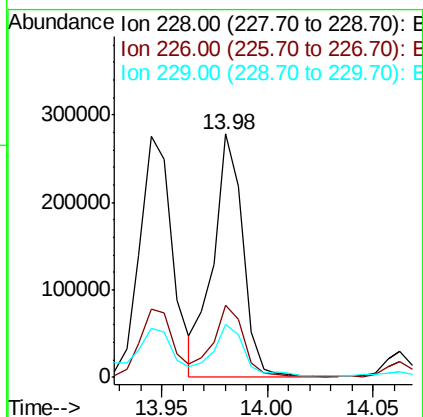
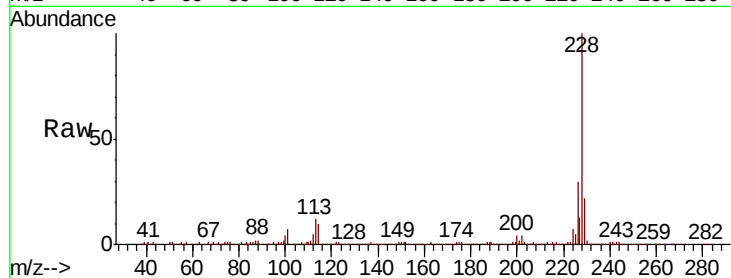




#83
 Chrysene
 Concen: 10.783 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF121207.D
 Acq: 6 Aug 2020 17:42

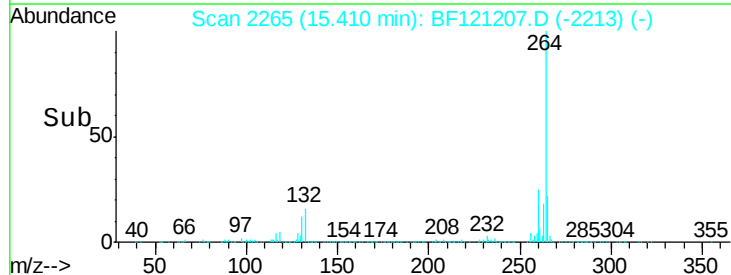
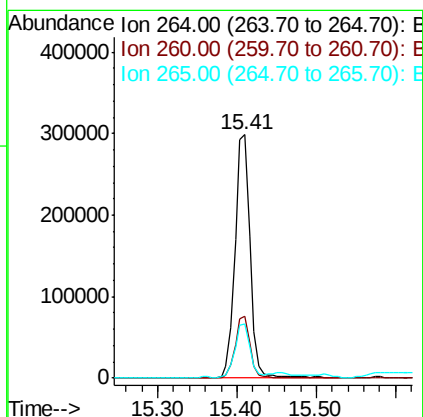
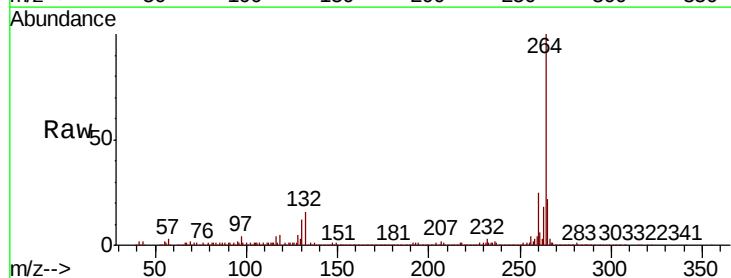
Instrument :
 BNA_F
 ClientSampleId :
 JB-1A

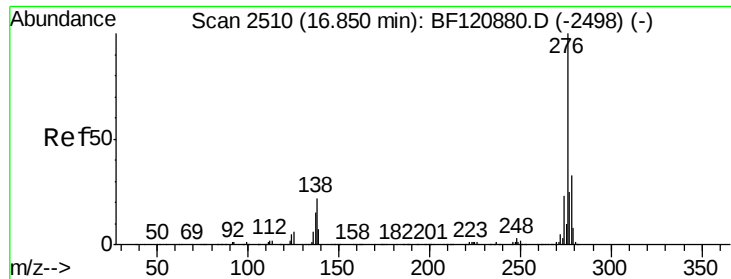
Tot Ion:228 Resp: 271107
 Ion Ratio Lower Upper
 228 100
 226 29.5 25.4 38.0
 229 21.5 16.2 24.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 15.41 min Scan# 2265
 Delta R.T. 0.01 min
 Lab File: BF121207.D
 Acq: 6 Aug 2020 17:42

Tgt Ion:264 Resp: 392326
 Ion Ratio Lower Upper
 264 100
 260 25.5 19.9 29.9
 265 22.1 17.8 26.8

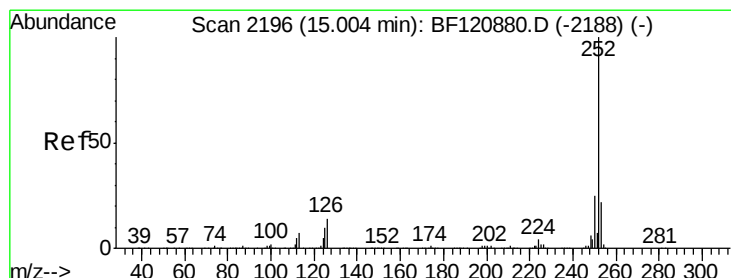
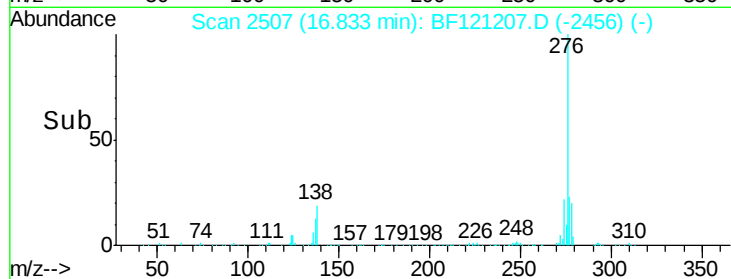
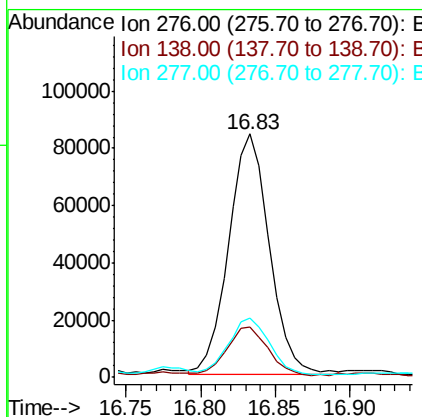
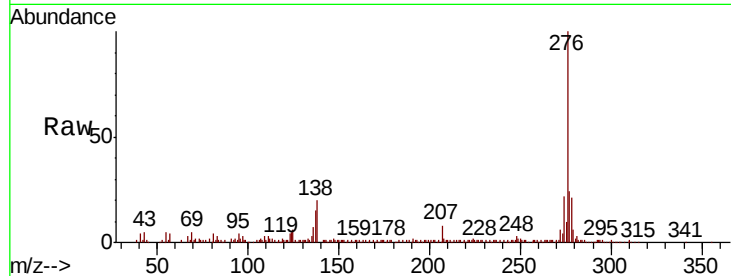




#87
Indeno(1,2,3-cd)pyrene
Concen: 5.868 ng
RT: 16.83 min Scan# 2507
Delta R.T. 0.00 min
Lab File: BF121207.D
Acq: 6 Aug 2020 17:42

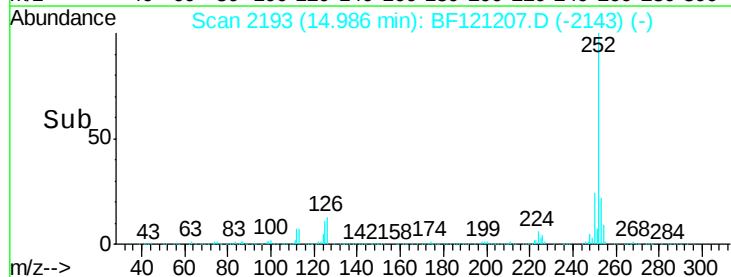
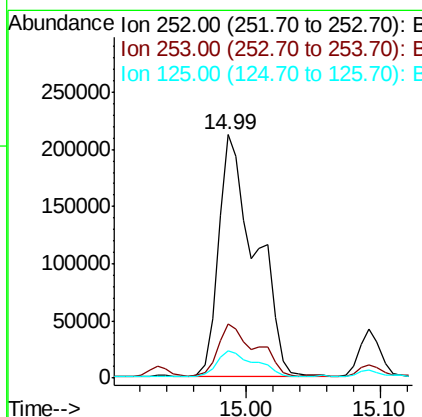
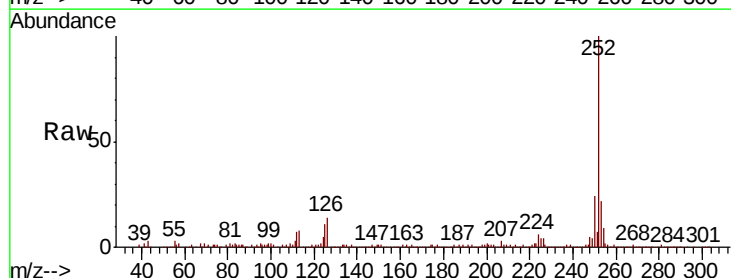
Instrument :
BNA_F
ClientSampleId :
JB-1A

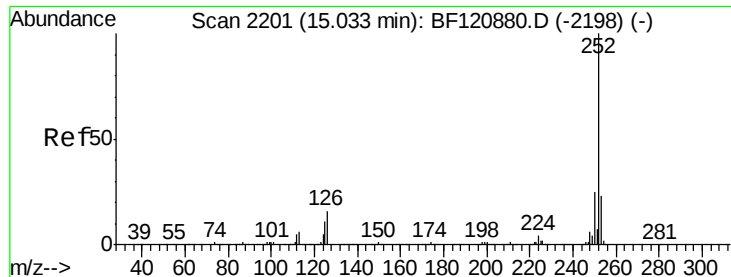
Tot Ion	Ratio	Lower	Upper
276	100		
138	20.1	19.3	28.9
277	23.5	20.1	30.1



#88
Benzo(b)fluoranthene
Concen: 17.193 ng
RT: 14.99 min Scan# 2193
Delta R.T. -0.01 min
Lab File: BF121207.D
Acq: 6 Aug 2020 17:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.9	26.9
125	11.2	8.1	12.1





#89

Benzo(k)fluoranthene

Concen: 18.852 ng

RT: 14.99 min Scan# 2193

Delta R.T. -0.04 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

Instrument :

BNA_F

ClientSampled :

JB-1A

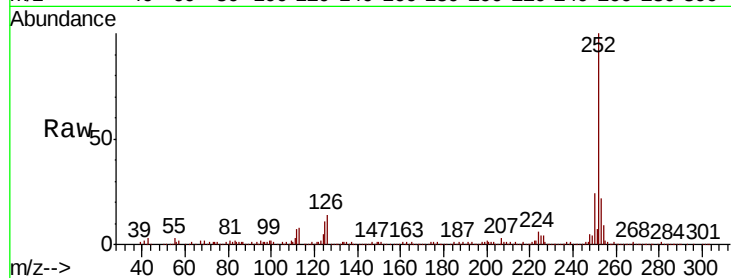
Tot Ion:252 Resp: 407716

Ion Ratio Lower Upper

252 100

253 22.5 18.1 27.1

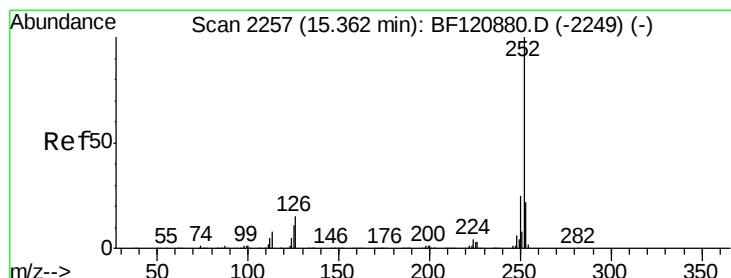
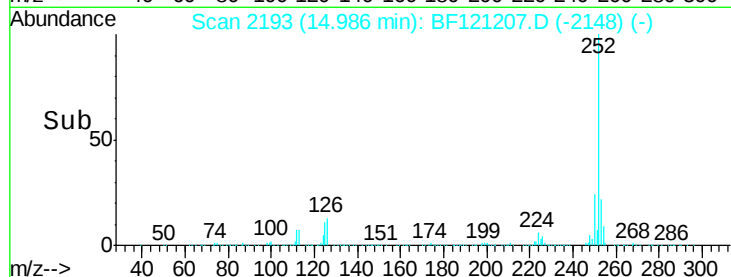
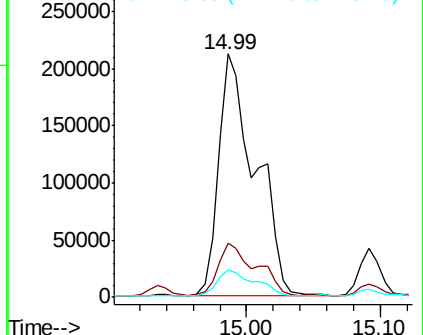
125 11.2 8.0 12.0



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: 10.804 ng

RT: 15.34 min Scan# 2254

Delta R.T. 0.00 min

Lab File: BF121207.D

Acq: 6 Aug 2020 17:42

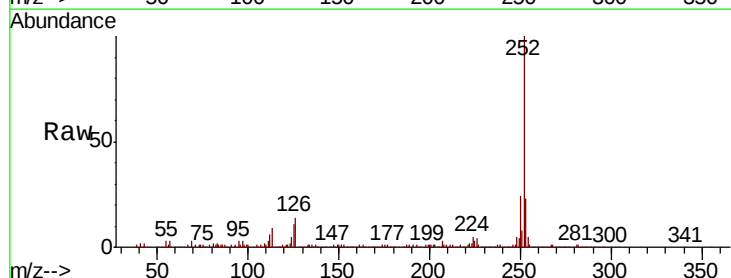
Tgt Ion:252 Resp: 233751

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

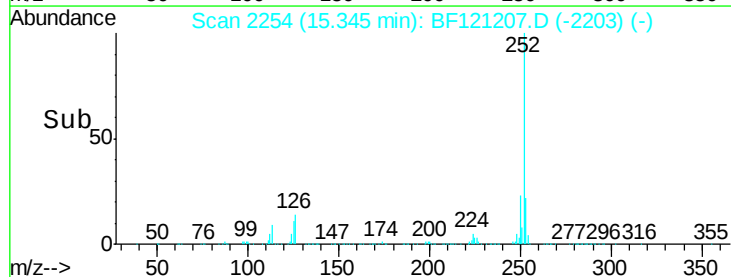
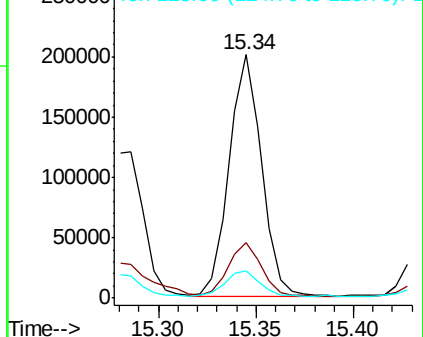
125 11.4 9.5 14.3

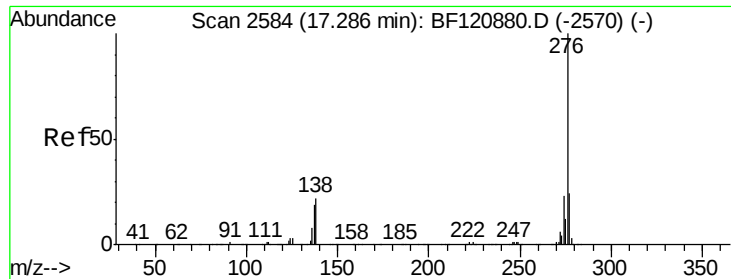


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#92
 Benzo(a,h,i)perylene
 Concen: 7.099 ng
 RT: 17.26 min Scan# 2580
 Delta R.T. 0.00 min
 Lab File: BF121207.D
 Acq: 6 Aug 2020 17:42

Instrument :
 BNA_F
 ClientSampleId :
 JB-1A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	19.4	29.0
138	23.0	17.2	25.8

