

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072420\
 Data File : BF121017.D
 Acq On : 24 Jul 2020 22:22
 Operator : JU/CG
 Sample : L3383-21
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Jul 24 23:51:22 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	6.82	152	147769	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	494721	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	245087	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	400521	20.00	ng	0.00
76) Chrysene-d12	13.97	240	370252	20.00	ng	0.00
86) Perylene-d12	15.42	264	421555	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	706863	78.42	ng	0.00
7) Phenol-d6	6.45	99	820178	70.44	ng	0.00
23) Nitrobenzene-d5	7.37	82	505865	59.17	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	201414	75.08	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	998321	60.82	ng	0.00
79) Terphenyl-d14	12.92	244	838292	49.22	ng	0.00

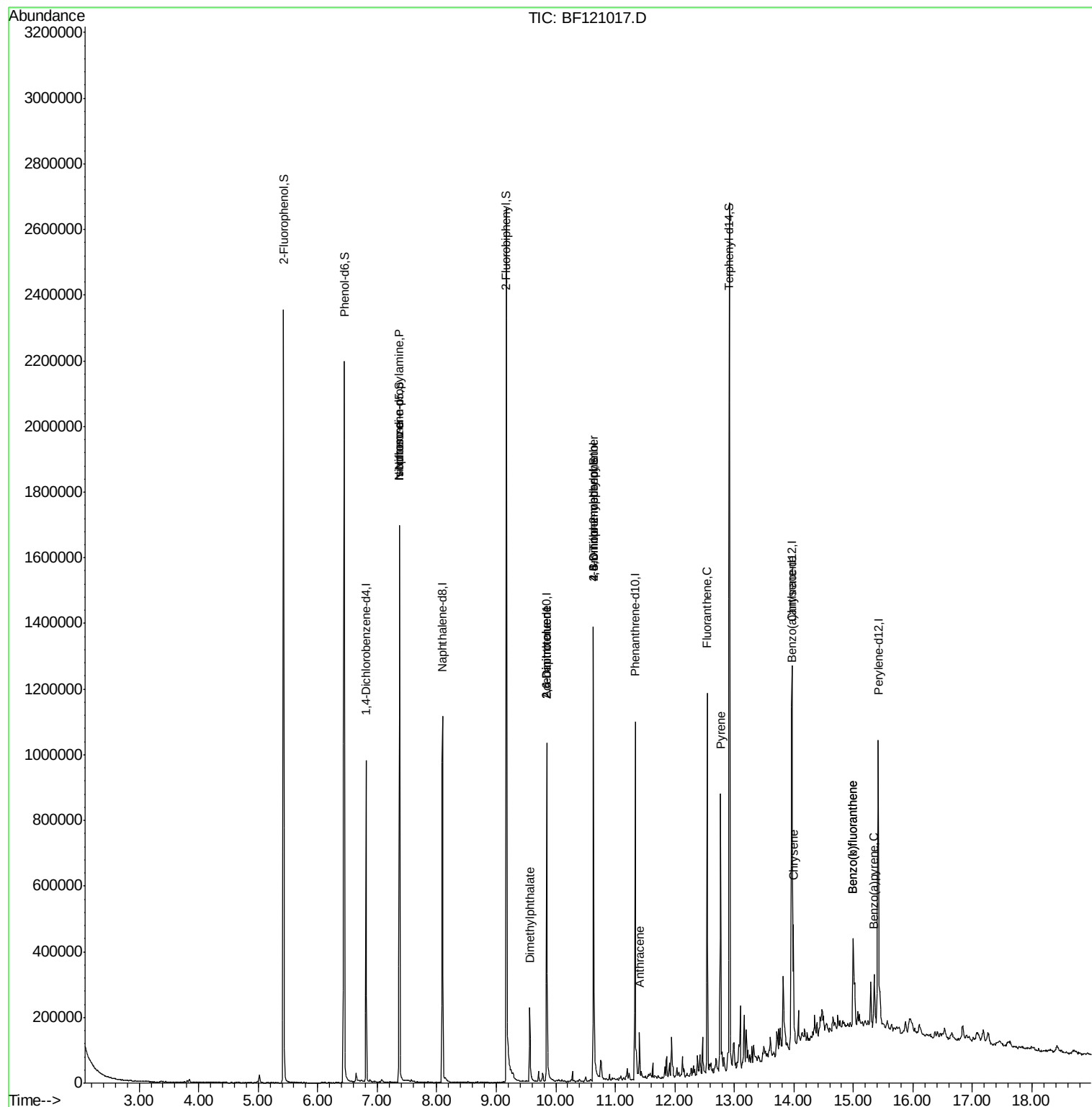
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.45	77	1311	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.37	70	66420	10.032	ng	# 78
25) Isophorone	7.37	82	501644	29.398	ng	# 63
50) Dimethylphthalate	9.56	163	97800	5.531	ng	99
51) 2,6-Dinitrotoluene	9.85	165	30630	8.063	ng	# 24
57) 2,4-Dinitrotoluene	9.85	165	30769	6.168	ng	# 28
65) 4,6-Dinitro-2-methylphenol	10.63	198	396	4.000	ng	# 1
67) 4-Bromophenyl-phenylether	10.63	248	11133	2.493	ng	# 1
72) Anthracene	11.40	178	55186	2.668	ng	99
75) Fluoranthene	12.54	202	462856	20.272	ng	97
78) Pyrene	12.77	202	367199	14.028	ng	98
81) Benzo(a)anthracene	13.96	228	161906	7.221	ng	97
83) Chrysene	13.99	228	141380	6.000	ng	97
88) Benzo(b)fluoranthene	15.00	252	207282	8.135	ng	99
89) Benzo(k)fluoranthene	15.00	252	207282	8.920	ng	99
90) Benzo(a)pyrene	15.35	252	85718	3.687	ng	98

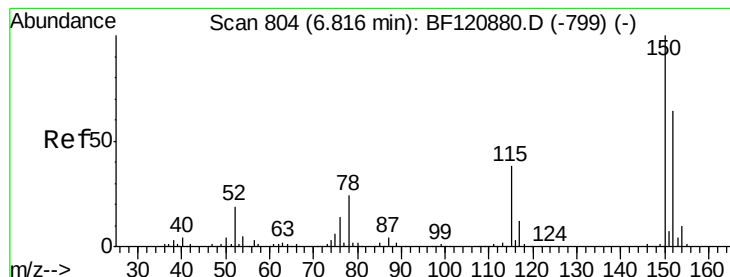
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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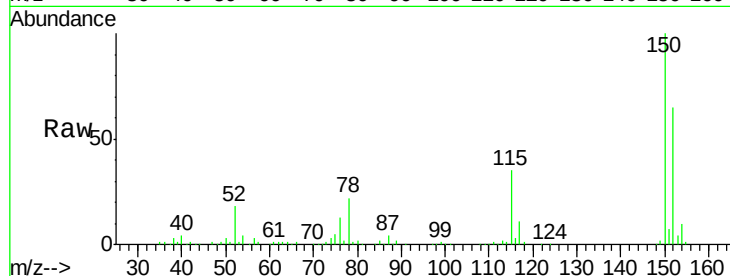


#1

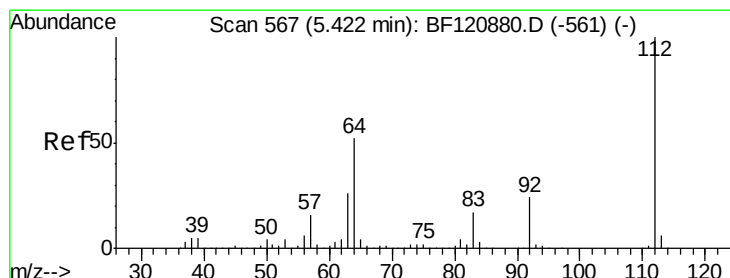
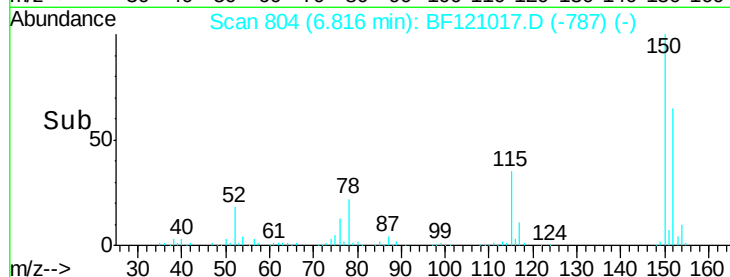
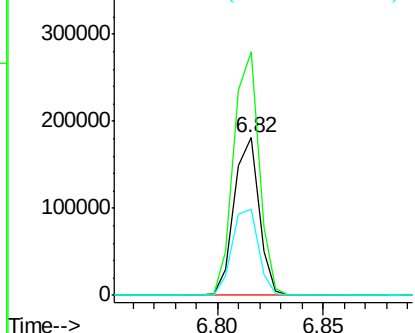
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.82 min Scan# 804
Delta R.T. 0.00 min
Lab File: BF121017.D
Acq: 24 Jul 2020 22:22

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 147769
Ion Ratio Lower Upper
152 100
150 154.6 125.0 187.6
115 54.9 47.0 70.4



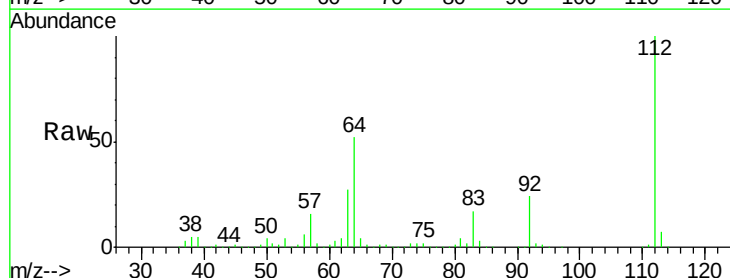
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



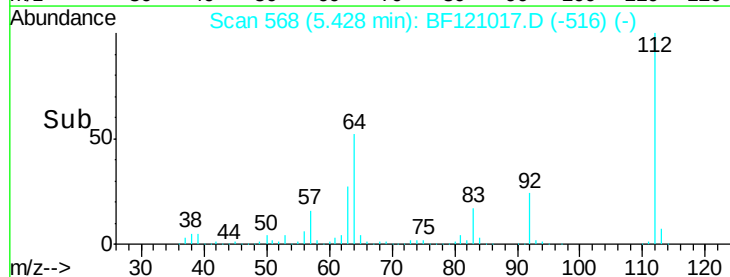
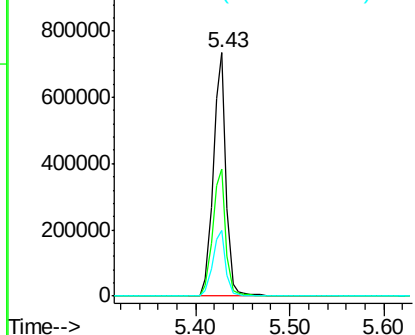
#5

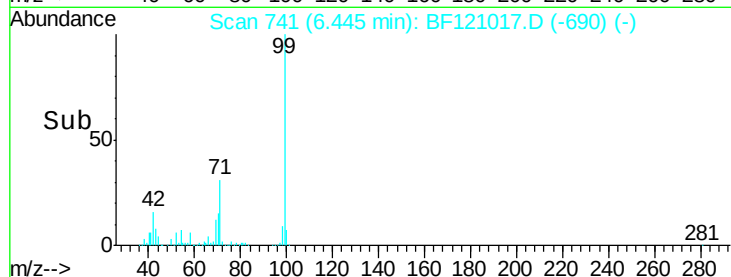
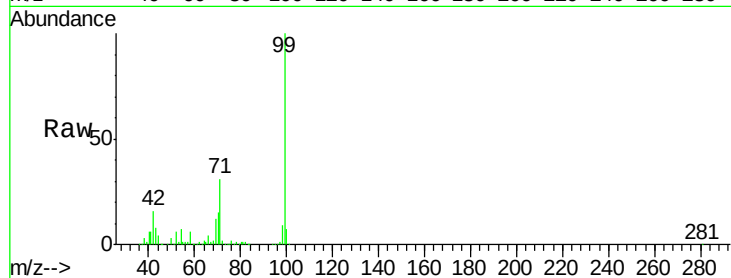
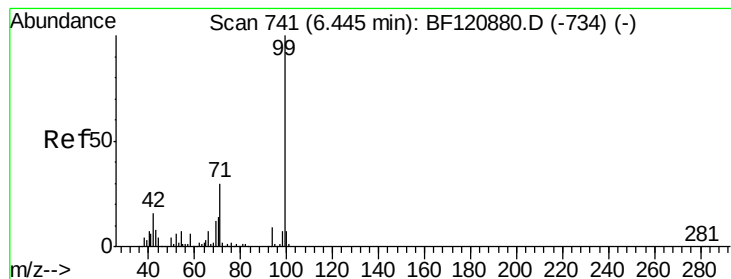
2-Fluorophenol
Concen: 78.420 ng
RT: 5.43 min Scan# 568
Delta R.T. 0.01 min
Lab File: BF121017.D
Acq: 24 Jul 2020 22:22

Tgt Ion:112 Resp: 706863
Ion Ratio Lower Upper
112 100
64 52.2 41.3 61.9
63 27.2 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: 70.440 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

Instrument :

BNA_F

ClientSampleId :

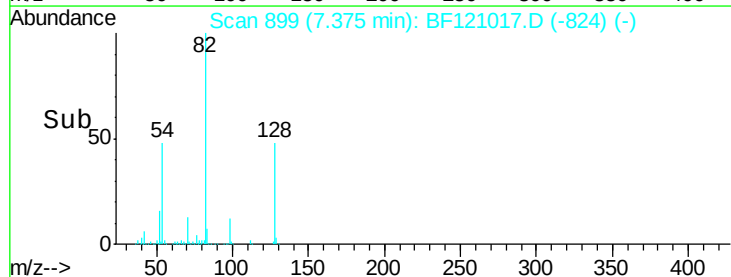
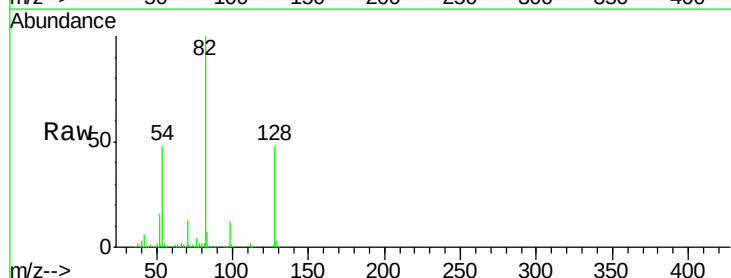
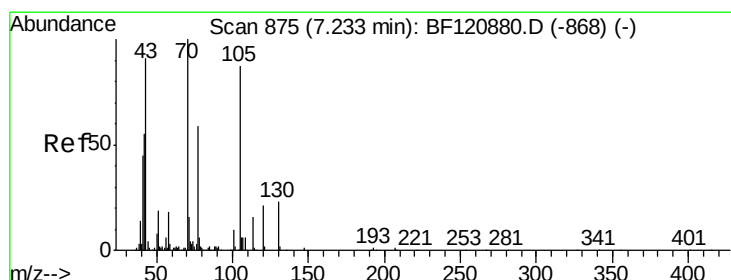
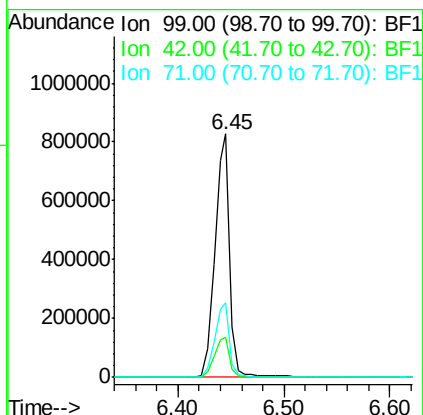
Tot Ion: 99 Resp: 820178

Ion Ratio Lower Upper

99 100

42 16.5 13.1 19.7

71 30.6 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 10.032 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

Tgt Ion: 70 Resp: 66420

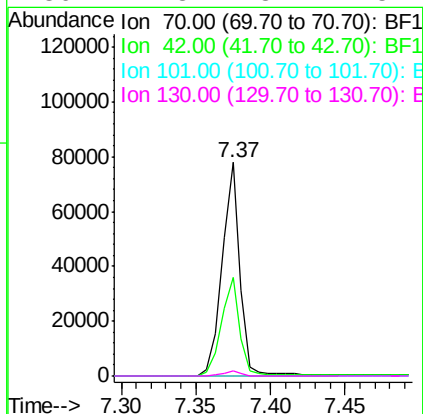
Ion Ratio Lower Upper

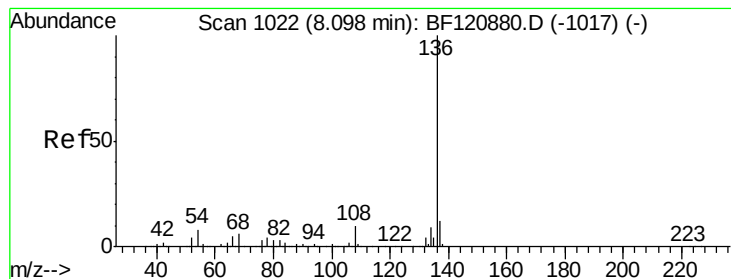
70 100

42 45.9 44.0 66.0

101 0.0 7.8 11.6#

130 2.3 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. 0.00 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion:136 Resp: 494721

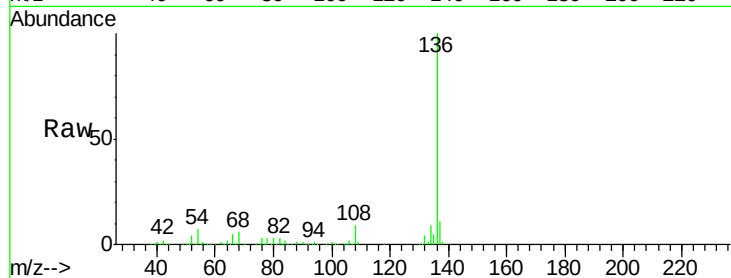
Ion Ratio Lower Upper

136 100

137 11.0 9.3 13.9

54 6.8 6.3 9.5

68 5.6 5.0 7.4

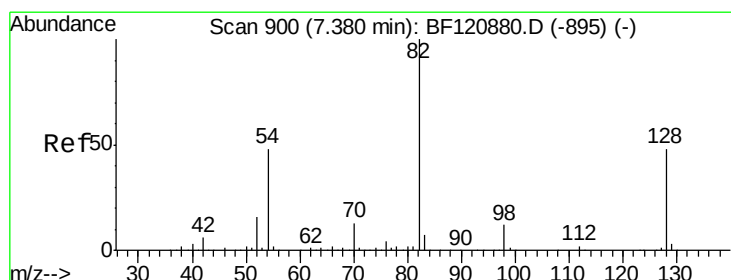
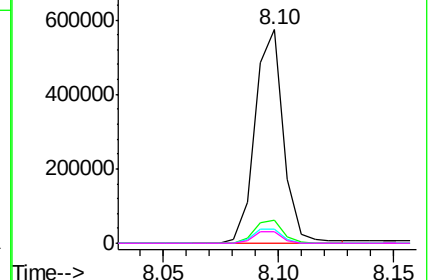
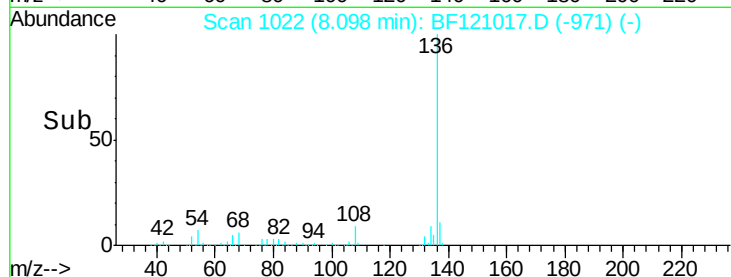


Abundance Ion 136.00 (135.70 to 136.70): E

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: 59.166 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

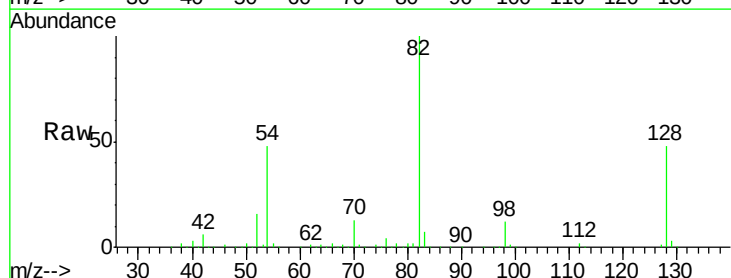
Tgt Ion: 82 Resp: 505865

Ion Ratio Lower Upper

82 100

128 48.0 38.2 57.4

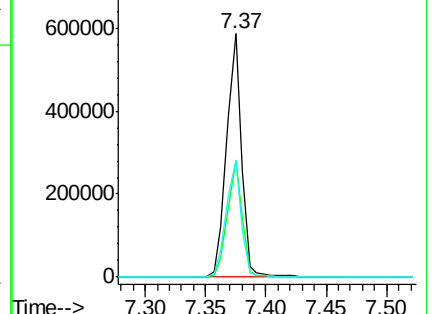
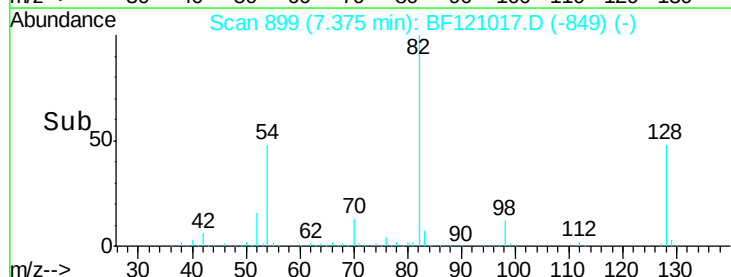
54 47.8 38.7 58.1

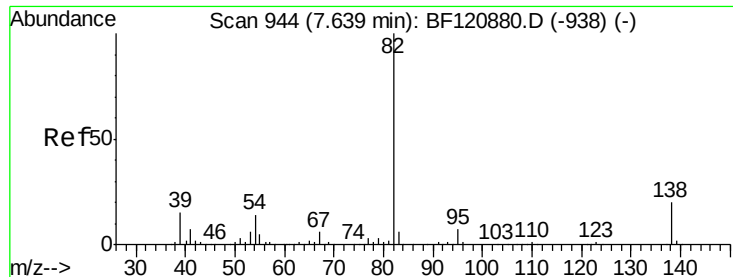


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

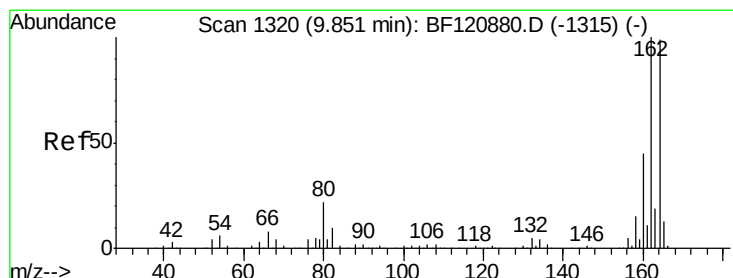
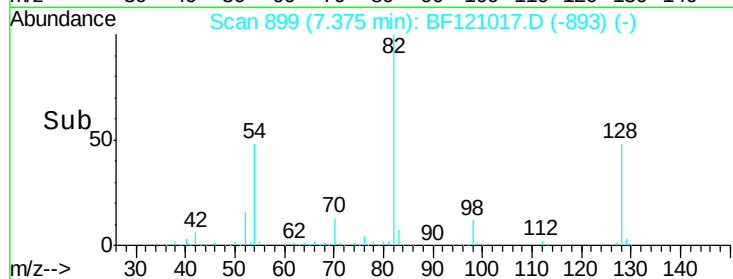
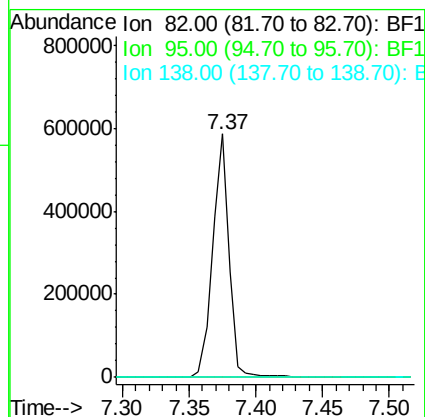
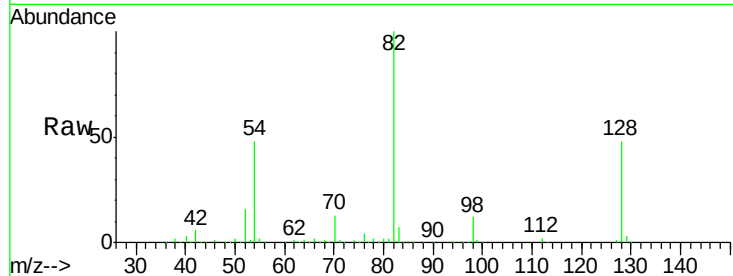




#25
Isophorone
Concen: 29.398 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.26 min
Lab File: BF121017.D
Acq: 24 Jul 2020 22:22

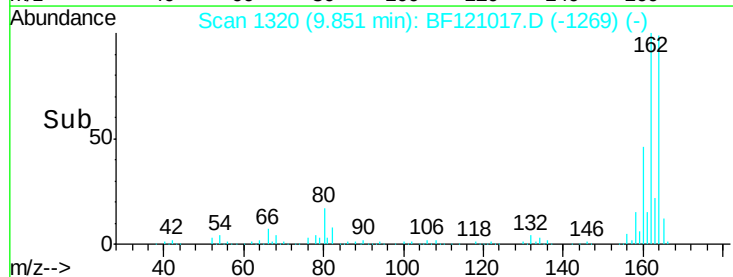
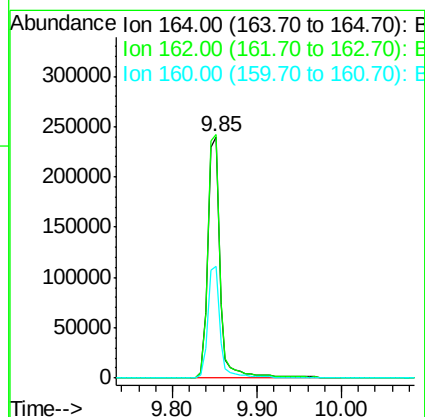
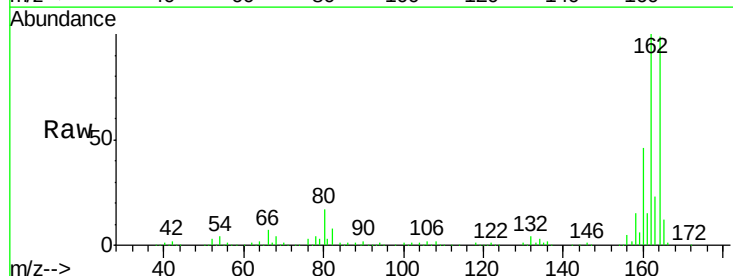
Instrument :
BNA_F
ClientSampleId :

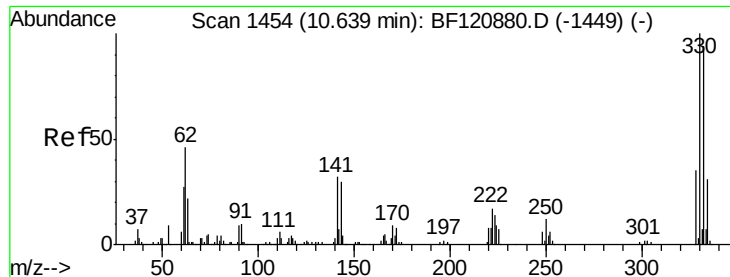
Tot Ion: 82 Resp: 501644
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 15.6 23.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. 0.00 min
Lab File: BF121017.D
Acq: 24 Jul 2020 22:22

Tgt Ion: 164 Resp: 245087
Ion Ratio Lower Upper
164 100
162 100.7 81.2 121.8
160 46.0 36.9 55.3





#42

2,4,6-Tribromophenol

Concen: 75.078 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.01 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

Instrument :

BNA_F

ClientSampled :

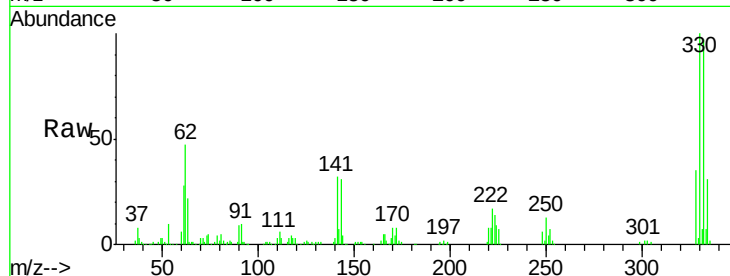
Tot Ion:330 Resp: 201414

Ion Ratio Lower Upper

330 100

332 92.5 75.5 113.3

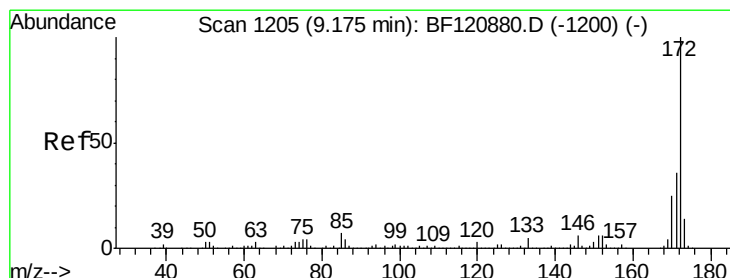
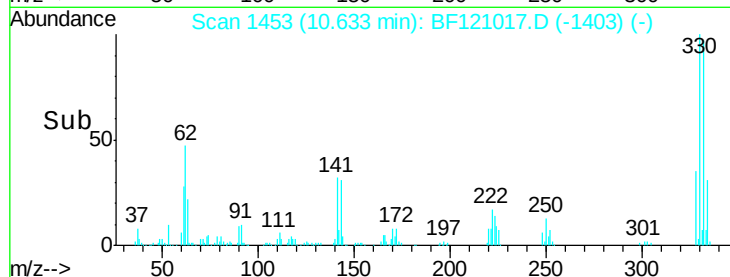
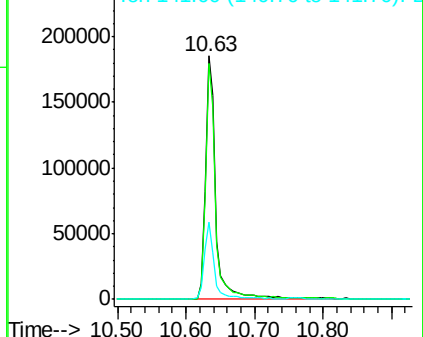
141 31.0 25.7 38.5



Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45

2-Fluorobiphenyl

Concen: 60.817 ng

RT: 9.17 min Scan# 1204

Delta R.T. -0.01 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

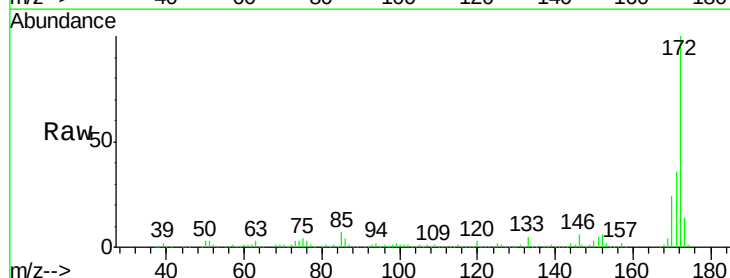
Tgt Ion:172 Resp: 998321

Ion Ratio Lower Upper

172 100

171 35.8 29.0 43.4

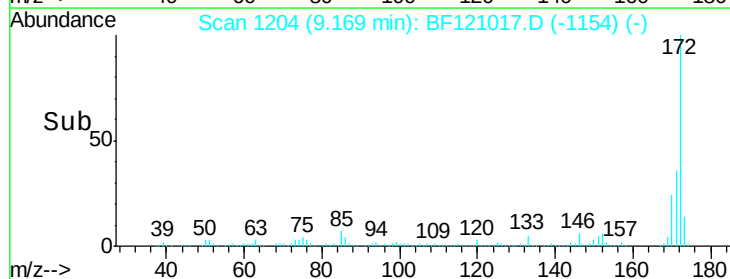
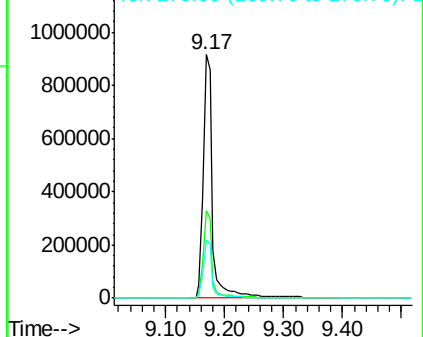
170 23.7 19.6 29.4

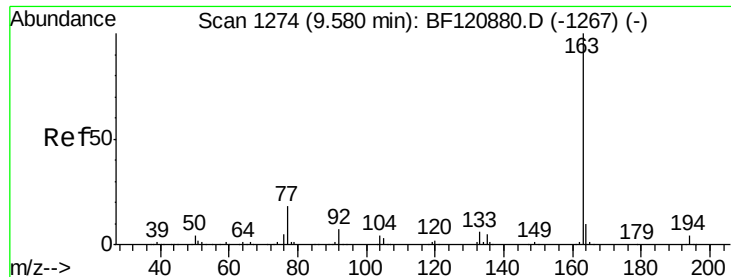


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E

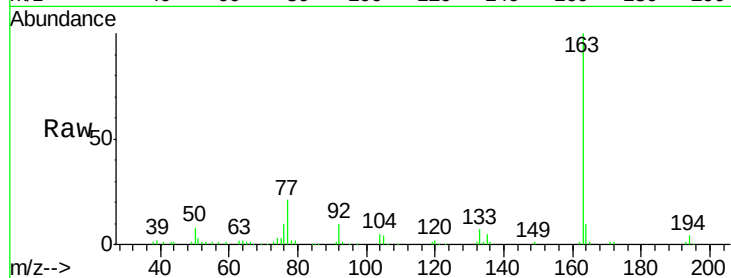




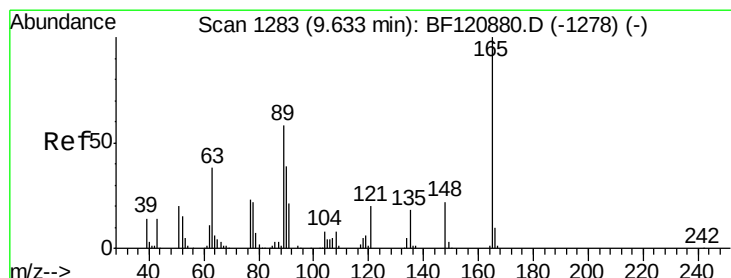
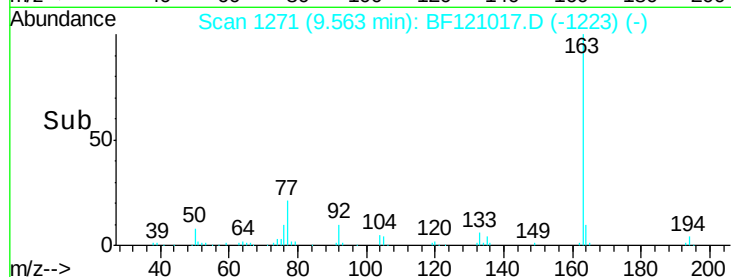
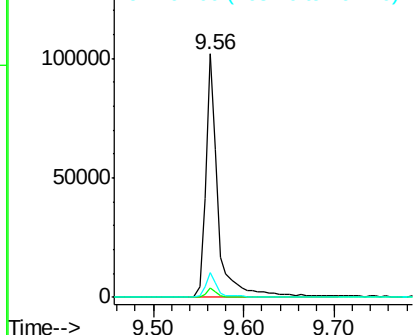
#50
Dimethylphthalate
Concen: 5.531 ng
RT: 9.56 min Scan# 1271
Delta R.T. -0.02 min
Lab File: BF121017.D
Acq: 24 Jul 2020 22:22

Instrument :
BNA_F
ClientSampled :

Tot Ion:163 Resp: 97800
Ion Ratio Lower Upper
163 100
194 3.6 3.2 4.8
164 10.1 7.9 11.9

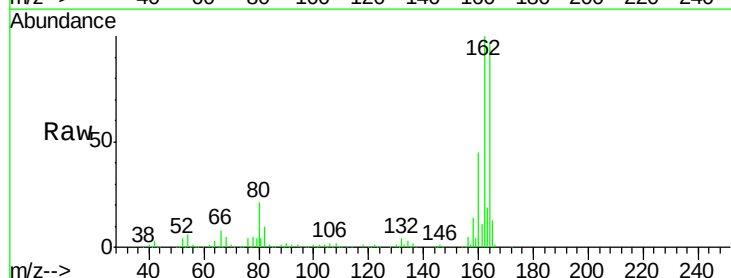


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

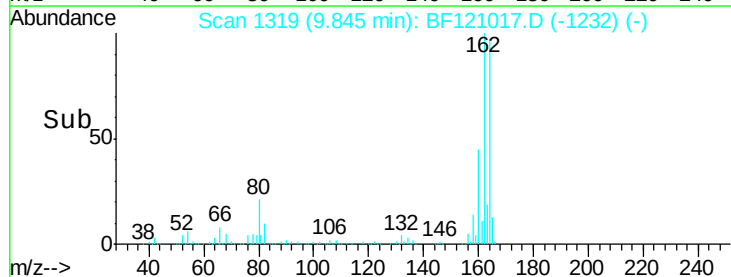
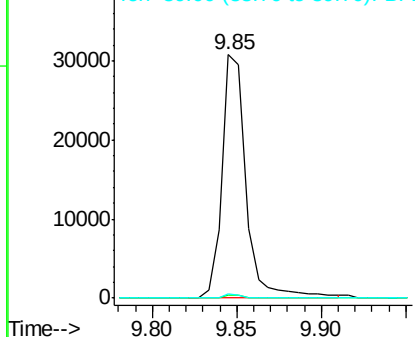


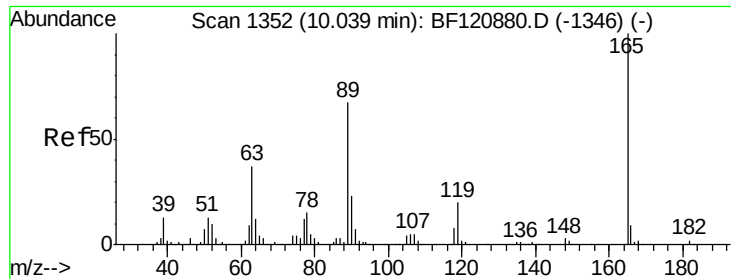
#51
2,6-Dinitrotoluene
Concen: 8.063 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.21 min
Lab File: BF121017.D
Acq: 24 Jul 2020 22:22

Tgt Ion:165 Resp: 30630
Ion Ratio Lower Upper
165 100
63 1.4 45.4 68.2#
89 1.5 47.0 70.4#



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





#57

2,4-Dinitrotoluene

Concen: 6.168 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.19 min

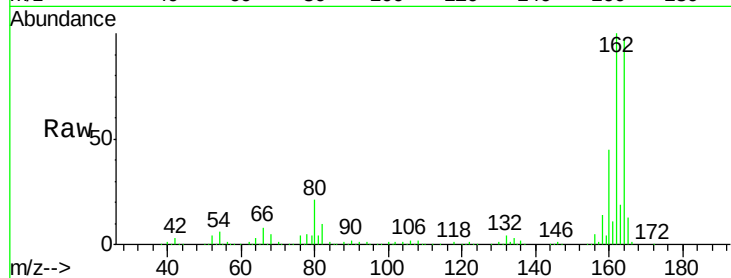
Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

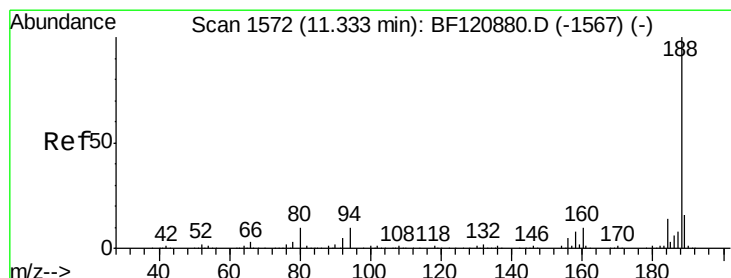
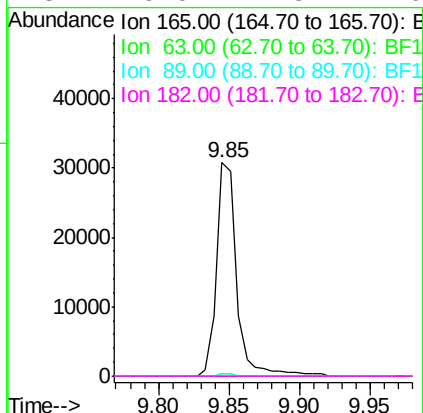
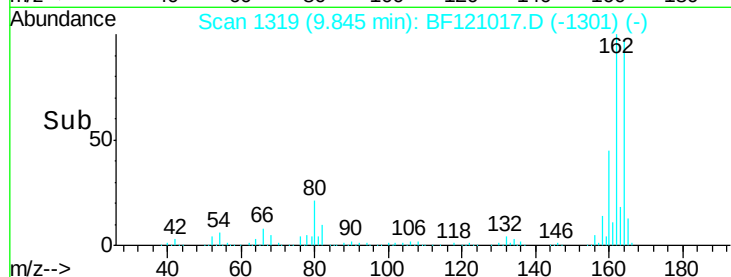
Instrument :

BNA_F

ClientSampleId :



Tot Ion:165	Resp:	30769
Ion Ratio	Lower	Upper
165	100	
63	1.4	29.4 44.2#
89	1.5	53.4 80.0#
182	0.0	1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

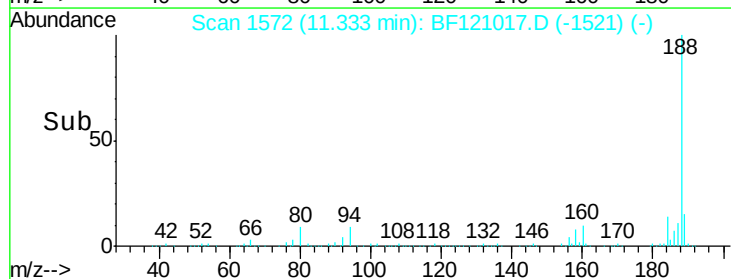
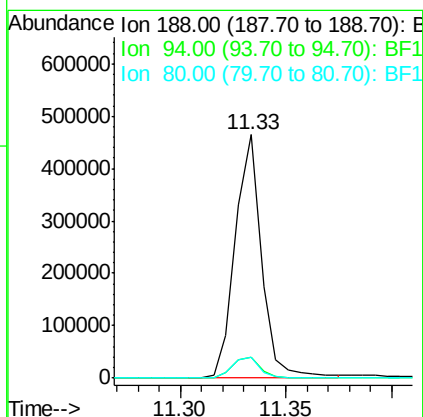
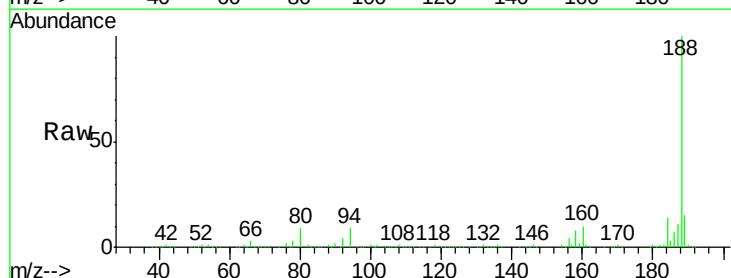
RT: 11.33 min Scan# 1572

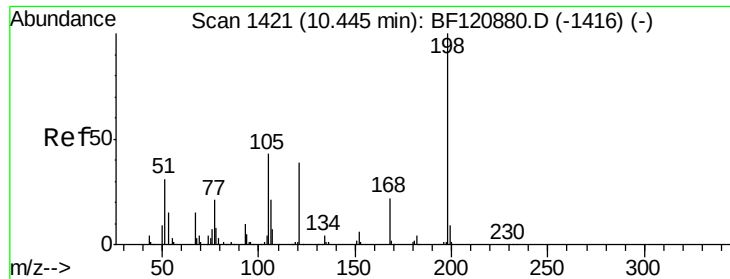
Delta R.T. 0.00 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

Tgt Ion:188	Resp:	400521
Ion Ratio	Lower	Upper
188	100	
94	8.7	8.0 12.0
80	8.6	8.3 12.5

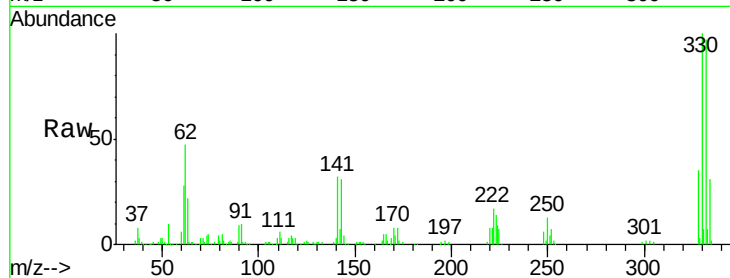




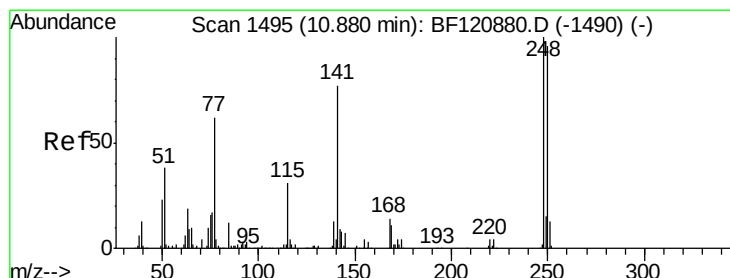
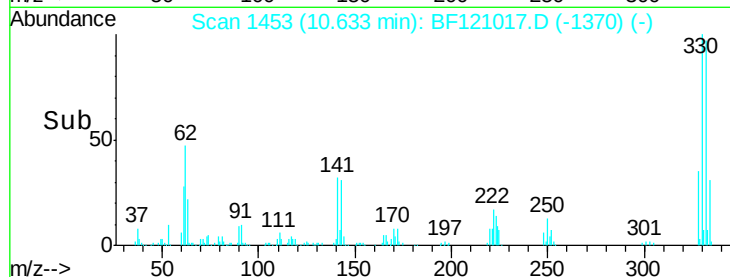
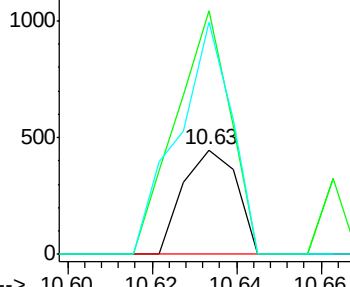
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.000 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. 0.19 min
 Lab File: BF121017.D
 Acq: 24 Jul 2020 22:22

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:198 Resp: 396
 Ion Ratio Lower Upper
 198 100
 51 232.8 19.5 59.5#
 105 221.7 24.4 64.4#

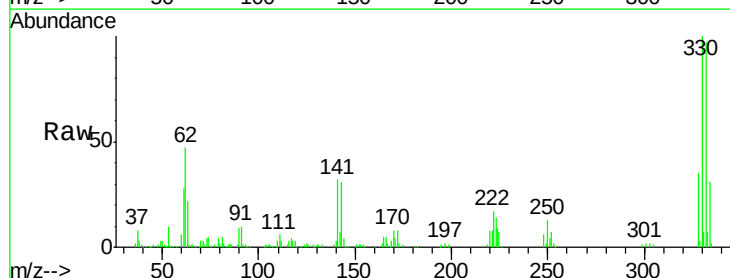


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

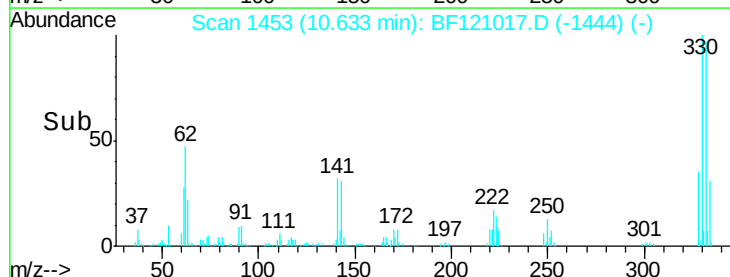
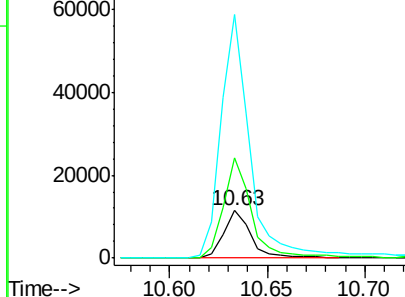


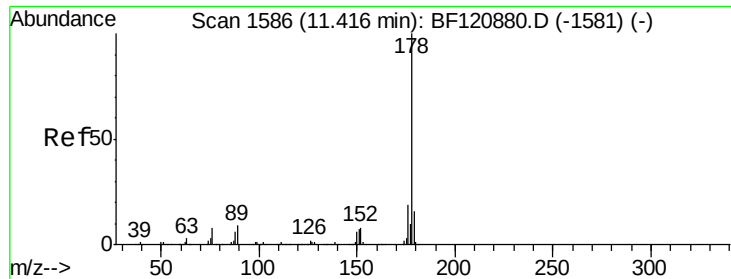
#67
 4-Bromophenyl-phenylether
 Concen: 2.493 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.25 min
 Lab File: BF121017.D
 Acq: 24 Jul 2020 22:22

Tgt Ion:248 Resp: 11133
 Ion Ratio Lower Upper
 248 100
 250 213.1 77.1 115.7#
 141 515.9 61.2 91.8#



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





#72

Anthracene

Concen: 2.668 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.01 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

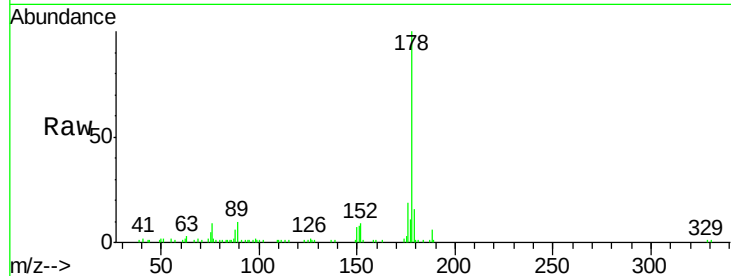
Instrument :

BNA_F

ClientSampleId :

Tot Ion:178 Resp: 55186

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.8	12.8	19.2

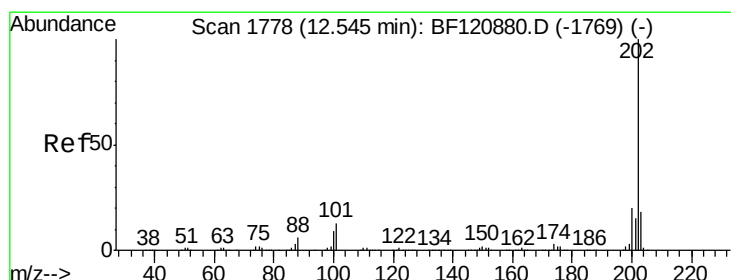
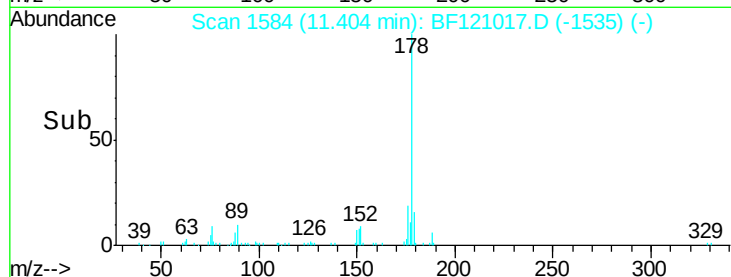
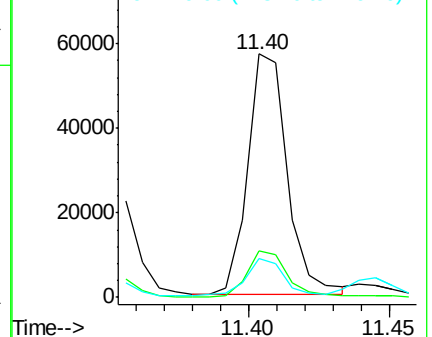


Abundance

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: 20.272 ng

RT: 12.54 min Scan# 1778

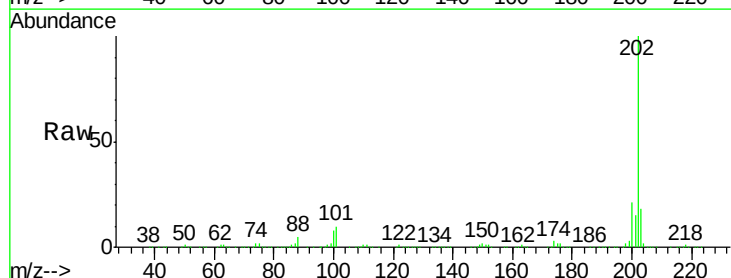
Delta R.T. 0.00 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

Tgt Ion:202 Resp: 462856

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	32.7
203	17.7	0.0	38.0

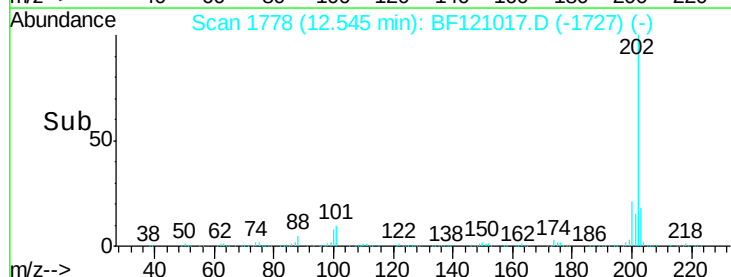
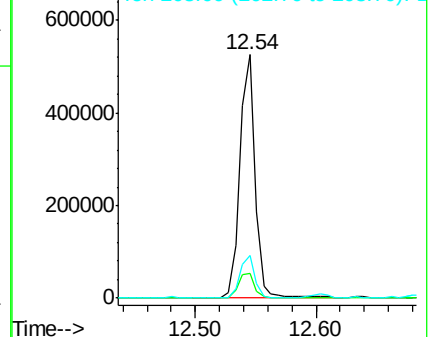


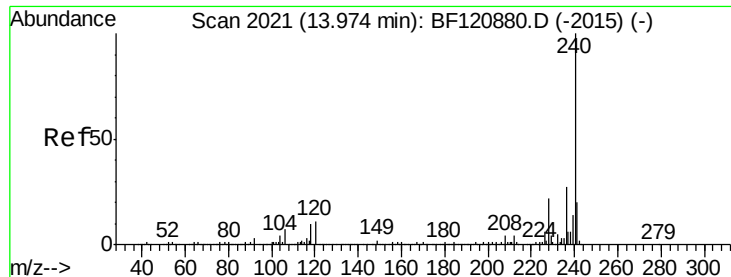
Abundance

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: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

Instrument :

BNA_F

ClientSampleId :

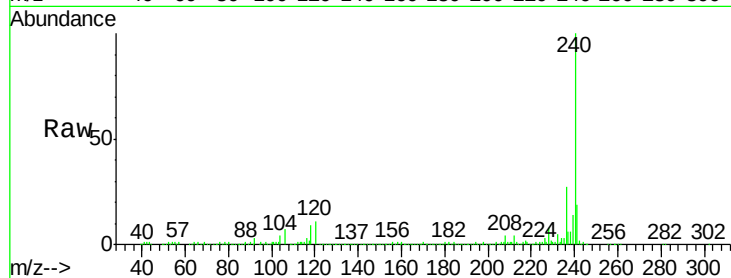
Tot Ion:240 Resp: 370252

Ion Ratio Lower Upper

240 100

120 11.3 9.0 13.4

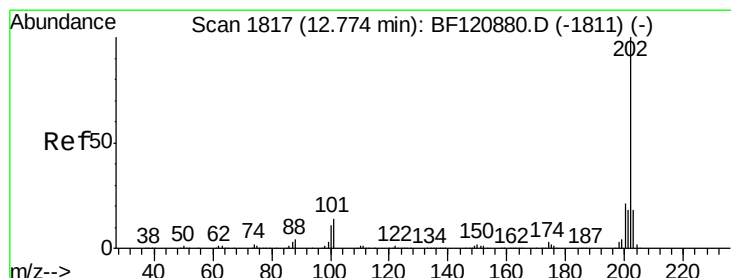
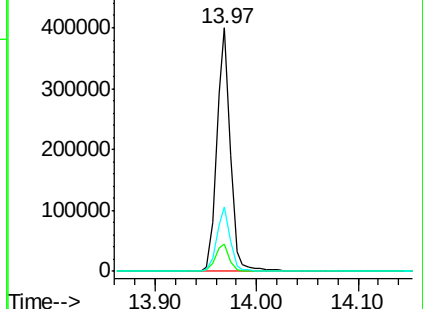
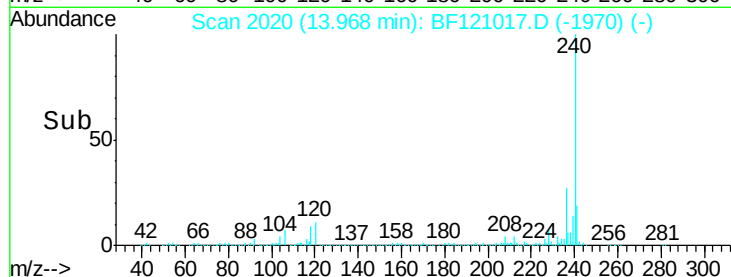
236 26.7 21.7 32.5



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: 14.028 ng

RT: 12.77 min Scan# 1816

Delta R.T. -0.01 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

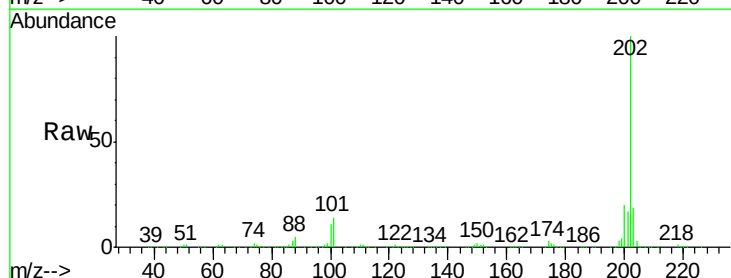
Tgt Ion:202 Resp: 367199

Ion Ratio Lower Upper

202 100

200 20.1 17.0 25.4

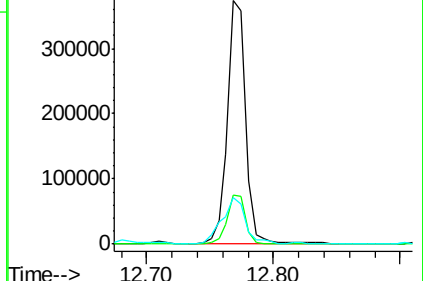
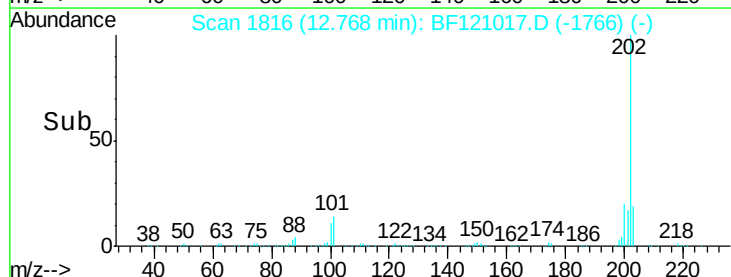
203 19.0 14.4 21.6

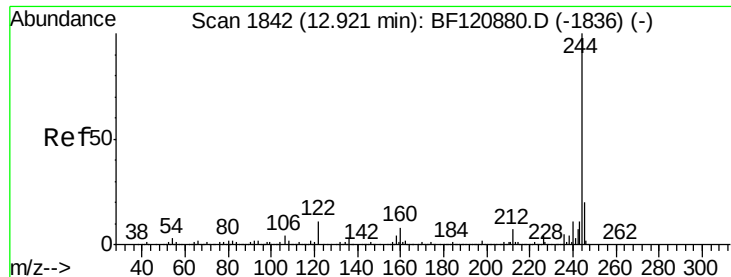


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

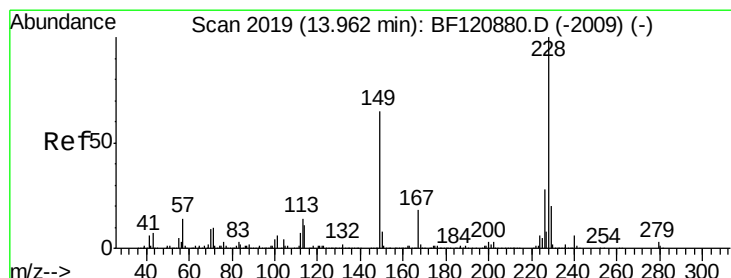
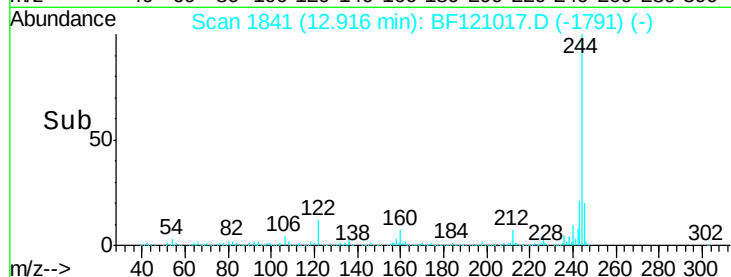
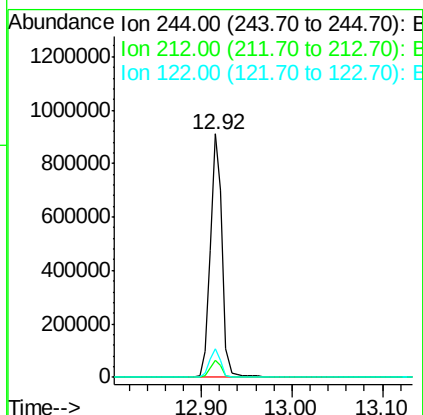
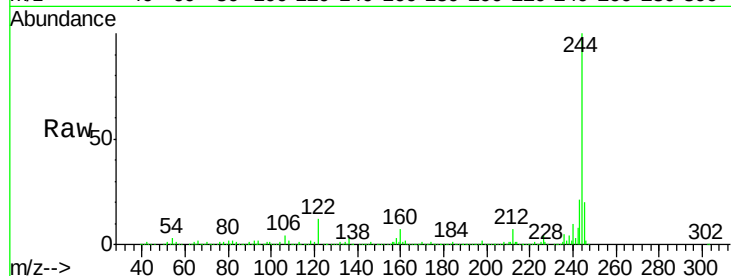




#79
 Terphenyl-d14
 Concen: 49.217 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF121017.D
 Acq: 24 Jul 2020 22:22

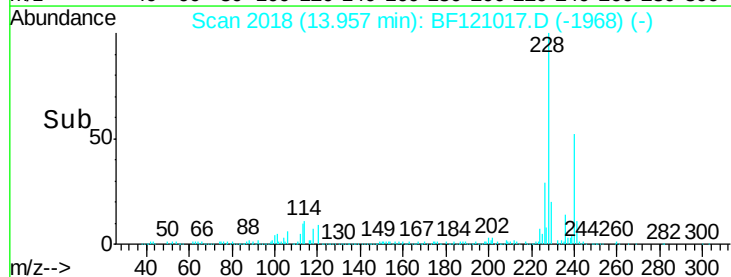
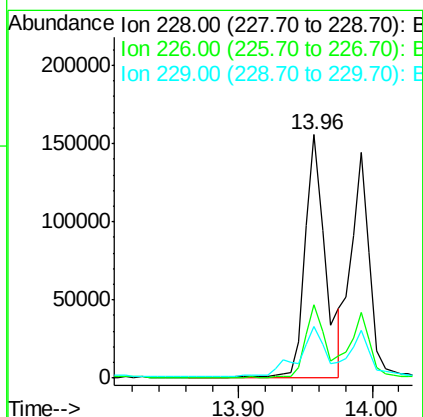
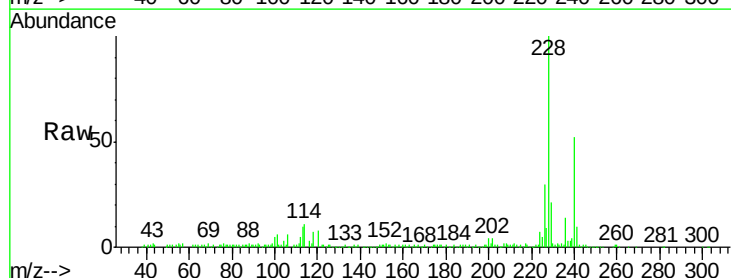
Instrument :
 BNA_F
 ClientSampleId :

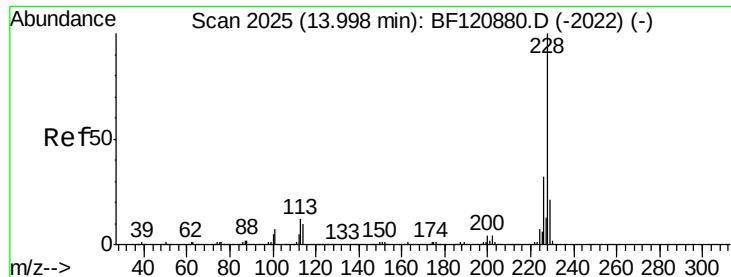
Tot Ion:244 Resp: 838292
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.6 8.4
 122 11.7 8.9 13.3



#81
 Benzo(a)anthracene
 Concen: 7.221 ng
 RT: 13.96 min Scan# 2018
 Delta R.T. -0.01 min
 Lab File: BF121017.D
 Acq: 24 Jul 2020 22:22

Tgt Ion:228 Resp: 161906
 Ion Ratio Lower Upper
 228 100
 226 30.0 22.3 33.5
 229 21.1 16.1 24.1

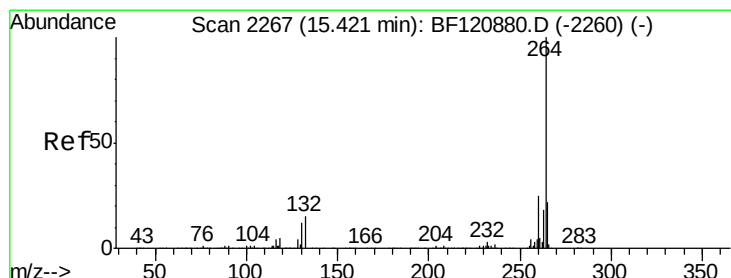
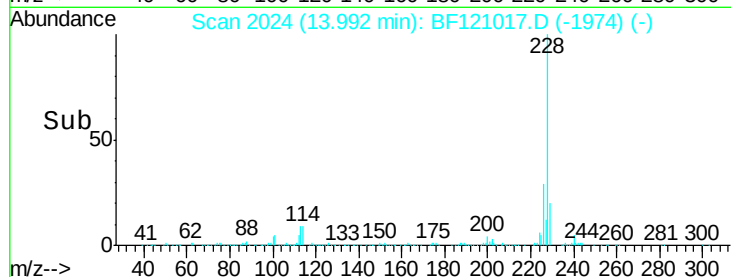
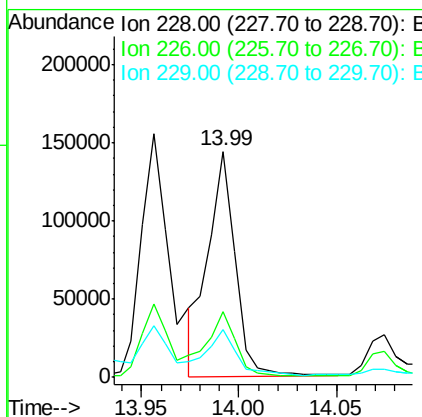
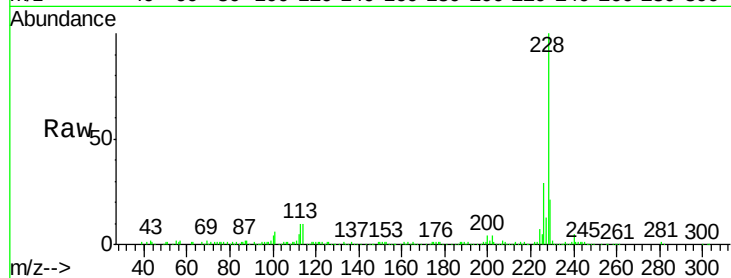




#83
Chrysene
Concen: 6.000 ng
RT: 13.99 min Scan# 2024
Delta R.T. -0.01 min
Lab File: BF121017.D
Acq: 24 Jul 2020 22:22

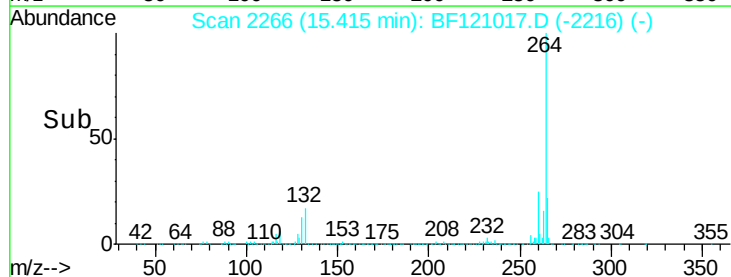
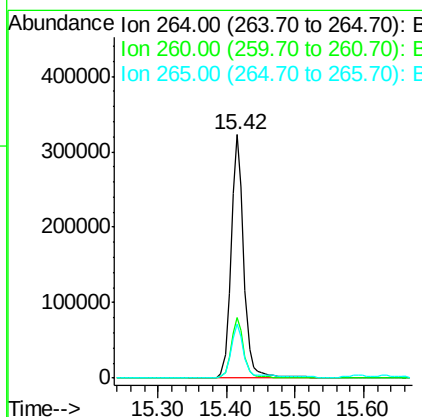
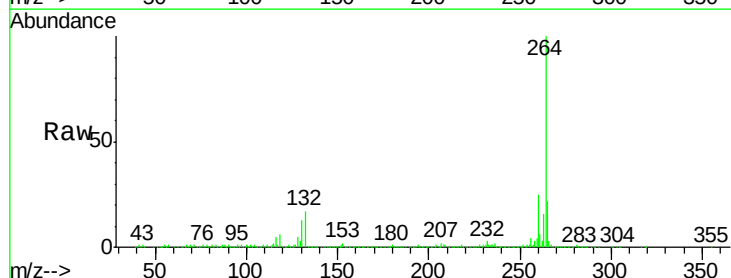
Instrument :
BNA_F
ClientSampleId :

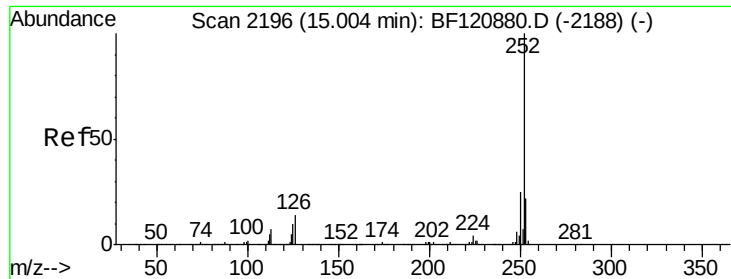
Tot Ion:228 Resp: 141380
Ion Ratio Lower Upper
228 100
226 29.2 25.6 38.4
229 21.2 16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.42 min Scan# 2266
Delta R.T. -0.01 min
Lab File: BF121017.D
Acq: 24 Jul 2020 22:22

Tgt Ion:264 Resp: 421555
Ion Ratio Lower Upper
264 100
260 25.0 20.0 30.0
265 22.3 17.4 26.2





#88

Benzo(b)fluoranthene

Concen: 8.135 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.01 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

Instrument :

BNA_F

ClientSampleId :

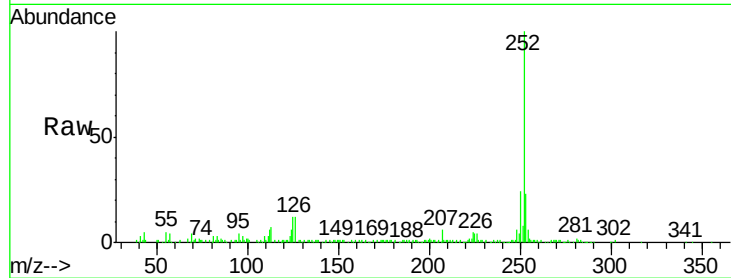
Tot Ion:252 Resp: 207282

Ion Ratio Lower Upper

252 100

253 22.6 18.0 27.0

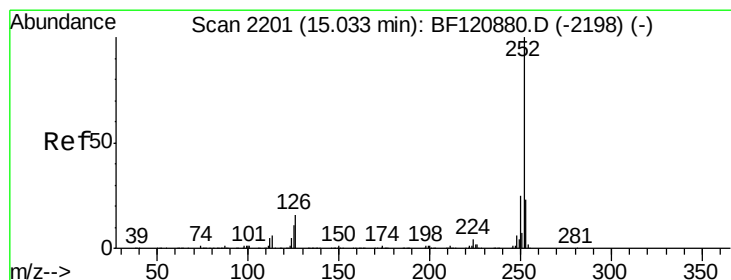
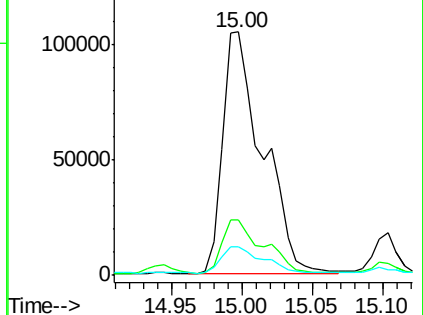
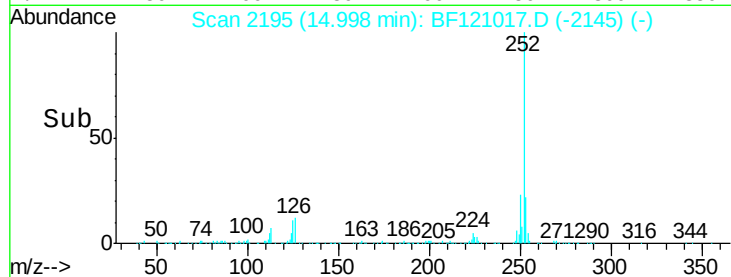
125 11.6 8.3 12.5



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: 8.920 ng

RT: 15.00 min Scan# 2195

Delta R.T. -0.04 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

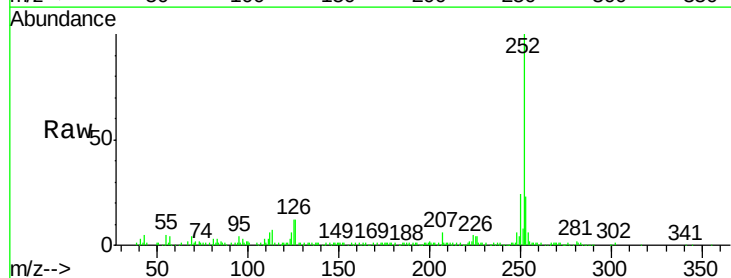
Tgt Ion:252 Resp: 207282

Ion Ratio Lower Upper

252 100

253 22.6 18.2 27.2

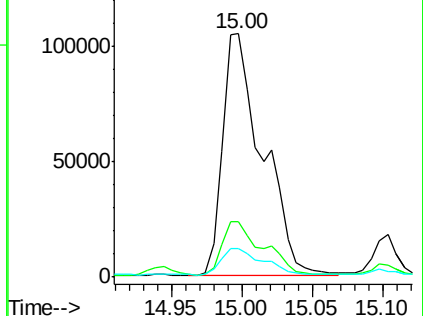
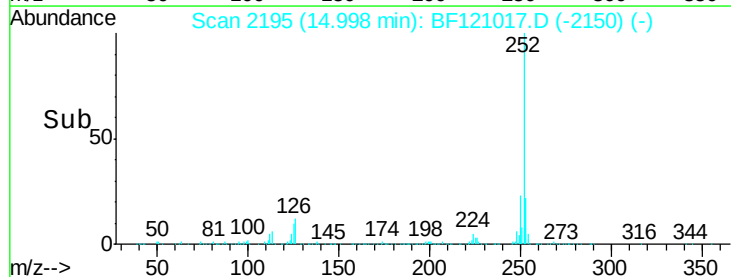
125 11.6 8.4 12.6

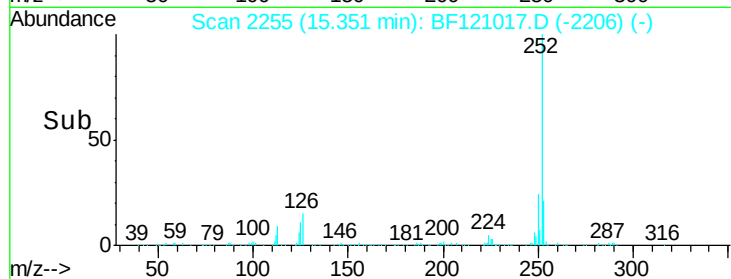
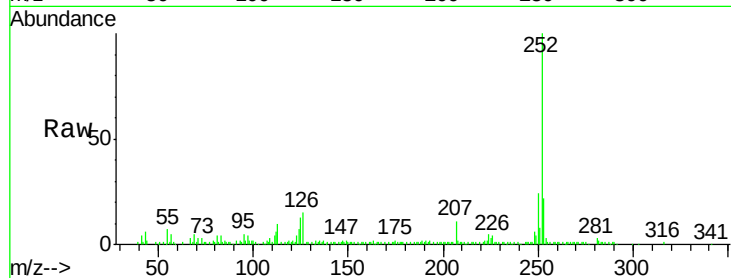
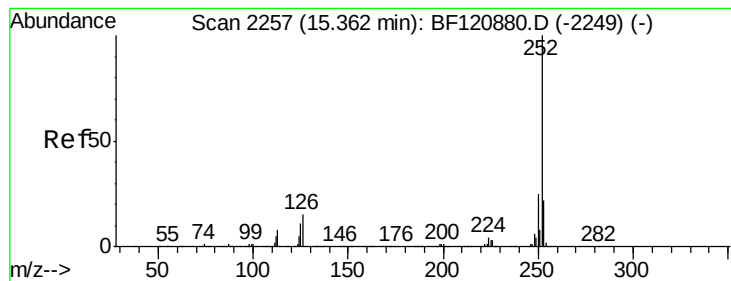


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#90

Benzo(a)pyrene

Concen: 3.687 ng

RT: 15.35 min Scan# 2255

Delta R.T. -0.01 min

Lab File: BF121017.D

Acq: 24 Jul 2020 22:22

Instrument :

BNA_F

ClientSampleId :

Tot Ion: 252 Resp: 85718

Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.8

125 13.0 8.9 13.3

