

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041620\
 Data File : BF120042.D
 Acq On : 16 Apr 2020 17:58
 Operator : MA/SJ
 Sample : L2245-22 5X
 Misc :
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-21A

Quant Time: Apr 17 01:25:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 16 10:48:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.72	152	139282	20.00	ng	0.00
21) Naphthalene-d8	8.01	136	501002	20.00	ng	0.00
39) Acenaphthene-d10	9.76	164	217226	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	335534	20.00	ng	0.00
76) Chrysene-d12	13.89	240	226544	20.00	ng	0.00
87) Perylene-d12	15.32	264	213162	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.33	112	291643	36.19	ng	0.01
7) Phenol-d6	6.36	99	363101	34.96	ng	0.00
23) Nitrobenzene-d5	7.29	82	222081	22.93	ng	-0.01
42) 2,4,6-Tribromophenol	10.55	330	61229	23.02	ng	-0.01
45) 2-Fluorobiphenyl	9.09	172	440655	28.80	ng	0.00
79) Terphenyl-d14	12.84	244	354853	26.36	ng	-0.01

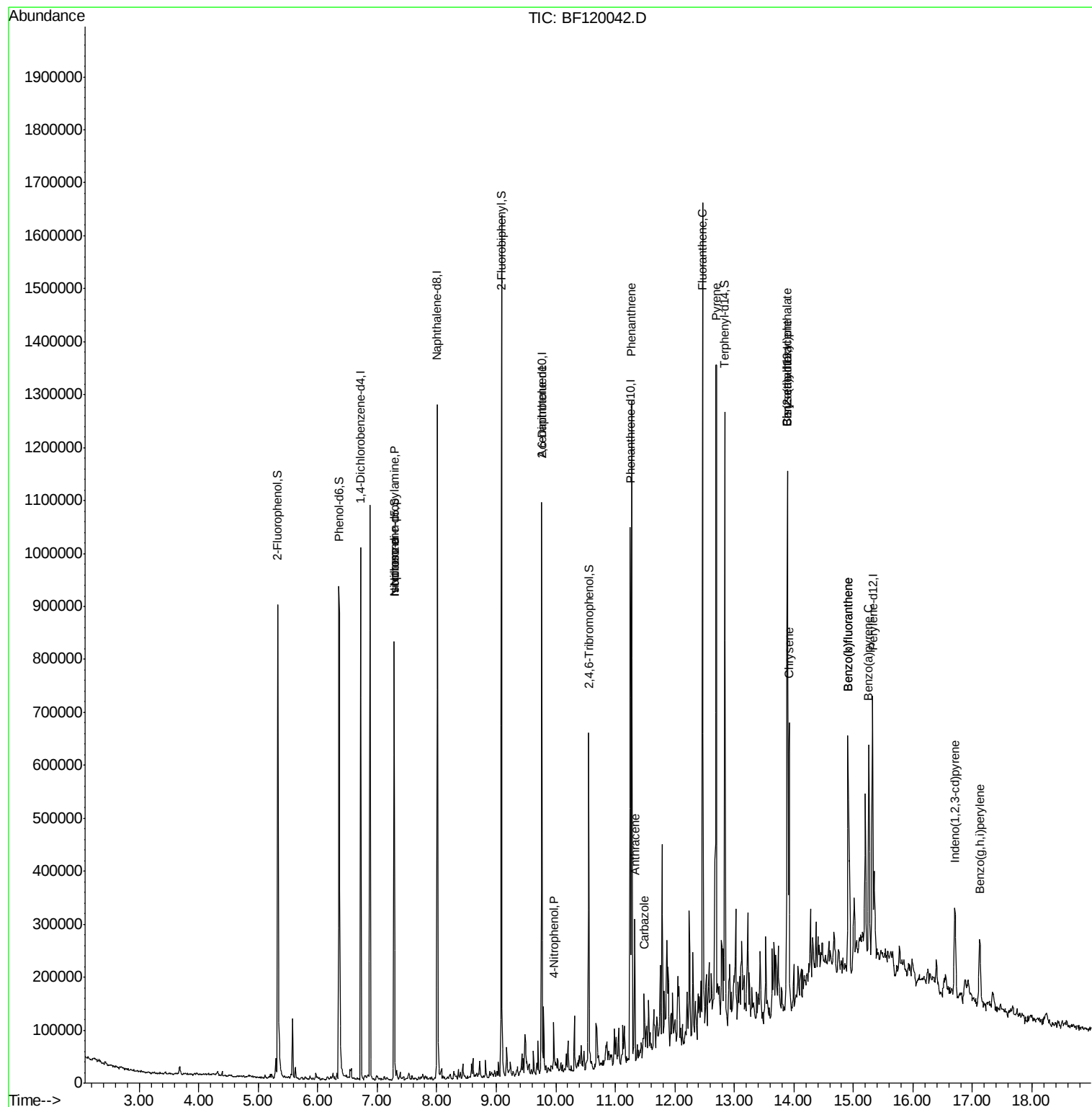
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.27	77	585	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.29	70	28881	4.325	ng	# 74
25) Isophorone	7.29	82	217769	11.665	ng	# 65
51) 2,6-Dinitrotoluene	9.76	165	28717	7.805	ng	# 20
56) 4-Nitrophenol	9.97	139	9178	2.935	ng	# 6
71) Phenanthrene	11.27	178	399593	22.377	ng	100
72) Anthracene	11.33	178	93248	5.112	ng	97
73) Carbazole	11.49	167	42246	2.449	ng	98
75) Fluoranthene	12.47	202	600745	31.178	ng	97
78) Pyrene	12.70	202	524732	27.476	ng	99
81) Benzo(a)anthracene	13.89	228	242473	16.270	ng	99
83) Chrysene	13.92	228	223421	14.754	ng	97
84) Bis(2-ethylhexyl)phthalate	13.89	149	30564	2.435	ng	97
86) Indeno(1,2,3-cd)pyrene	16.70	276	107393	8.045	ng	97
88) Benzo(b)fluoranthene	14.91	252	327482	21.356	ng	98
89) Benzo(k)fluoranthene	14.91	252	327482	24.752	ng	98
90) Benzo(a)pyrene	15.26	252	195910	15.195	ng	99
92) Benzo(g,h,i)perylene	17.12	276	95897	8.507	ng	97

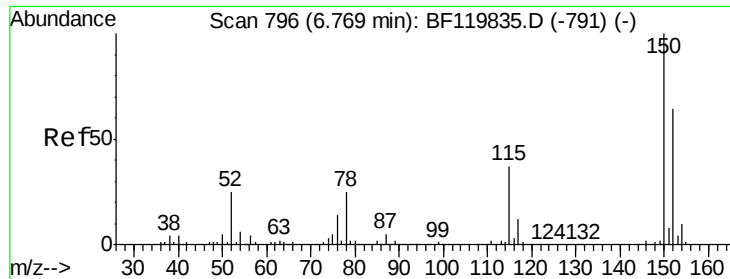
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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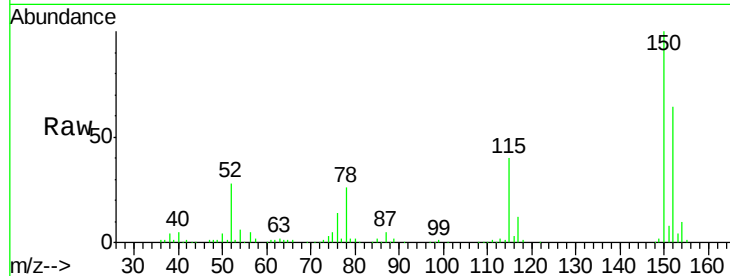


#1

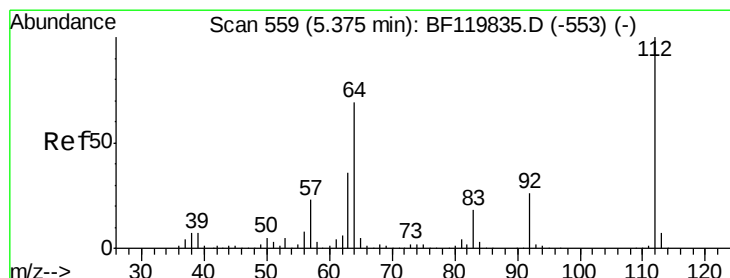
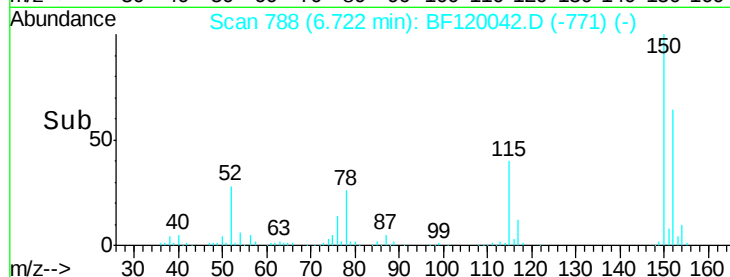
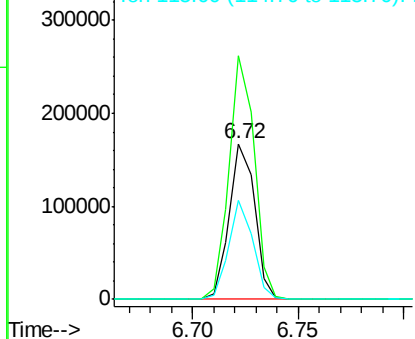
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.72 min Scan# 788
Delta R.T. -0.00 min
Lab File: BF120042.D
Acq: 16 Apr 2020 17:58

Instrument :
BNA_F
ClientSampleId :
TP-21A

Tot Ion:152 Resp: 139282
Ion Ratio Lower Upper
152 100
150 156.6 124.8 187.2
115 63.3 46.5 69.7



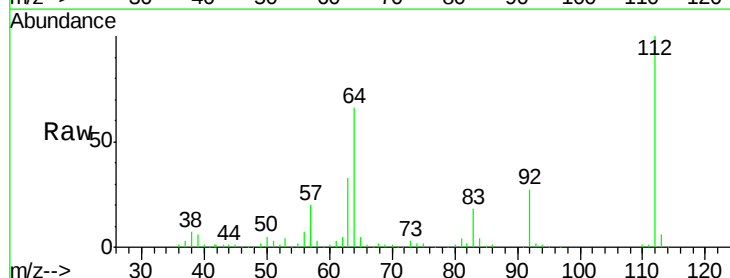
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



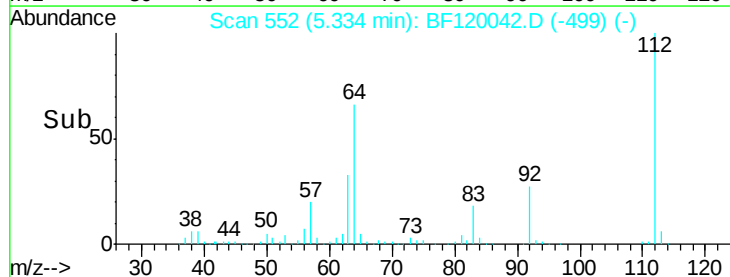
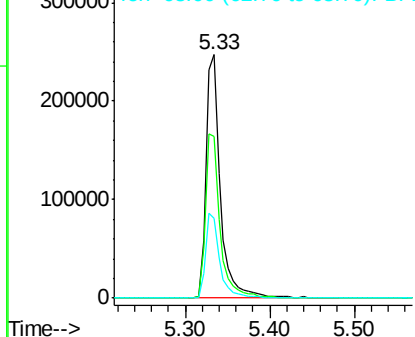
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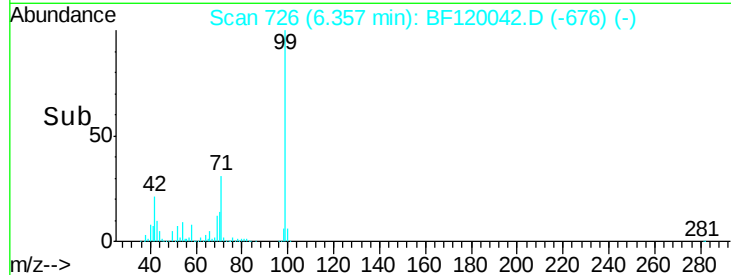
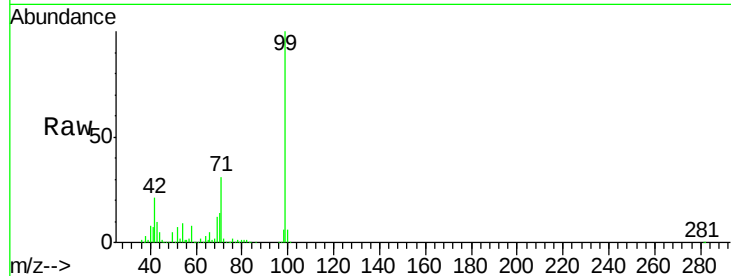
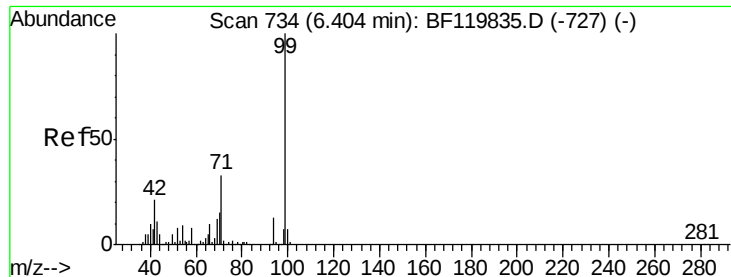
2-Fluorophenol
Concen: 36.186 ng
RT: 5.33 min Scan# 552
Delta R.T. 0.01 min
Lab File: BF120042.D
Acq: 16 Apr 2020 17:58

Tgt Ion:112 Resp: 291643
Ion Ratio Lower Upper
112 100
64 66.4 55.5 83.3
63 32.7 29.1 43.7



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: 34.964 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-21A

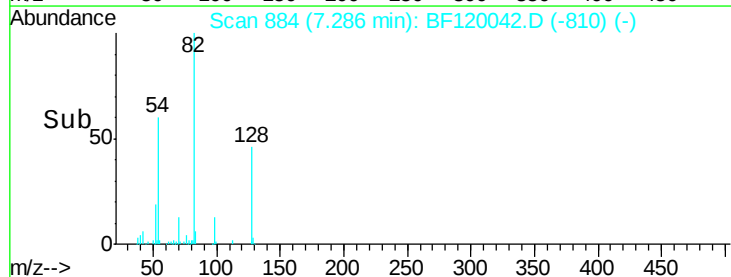
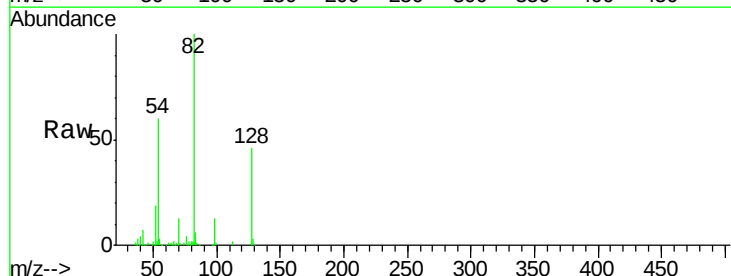
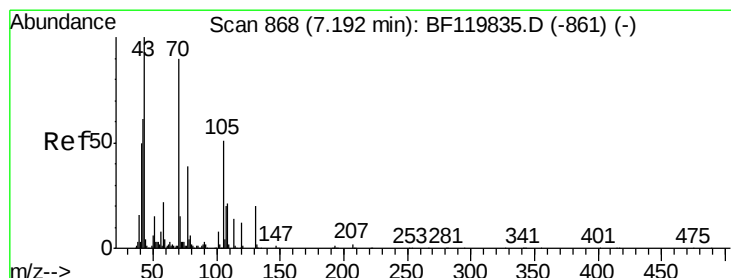
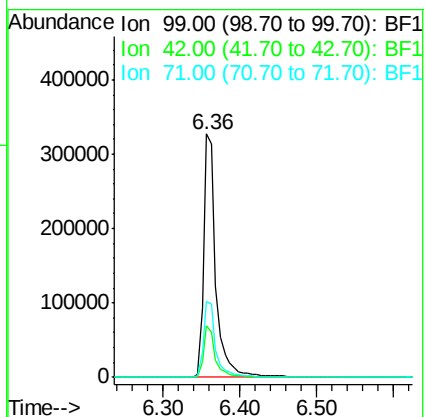
Tot Ion: 99 Resp: 363101

Ion Ratio Lower Upper

99 100

42 21.2 16.9 25.3

71 31.4 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 4.325 ng

RT: 7.29 min Scan# 884

Delta R.T. 0.14 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

Tgt Ion: 70 Resp: 28881

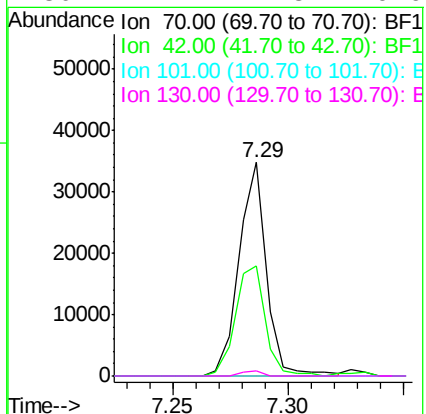
Ion Ratio Lower Upper

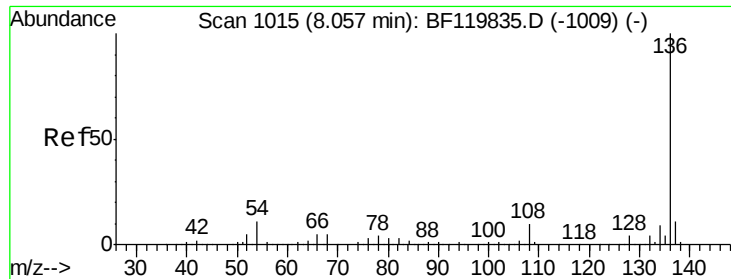
70 100

42 51.4 54.2 81.4#

101 0.0 7.4 11.2#

130 2.4 17.8 26.6#

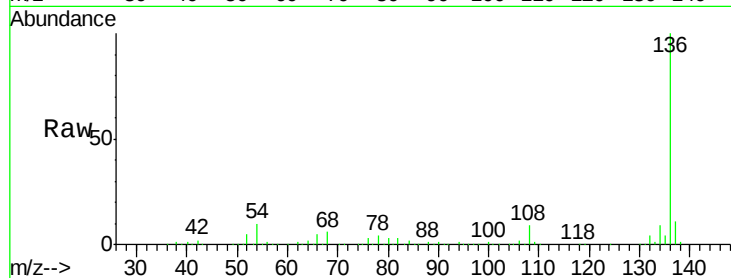




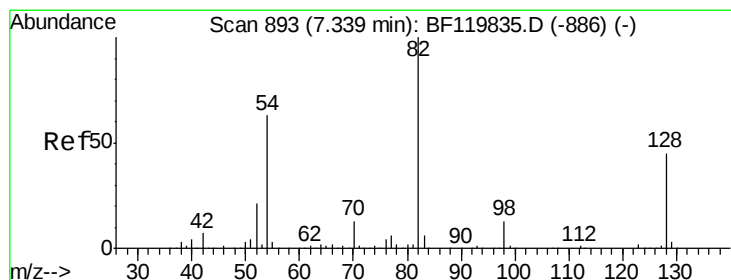
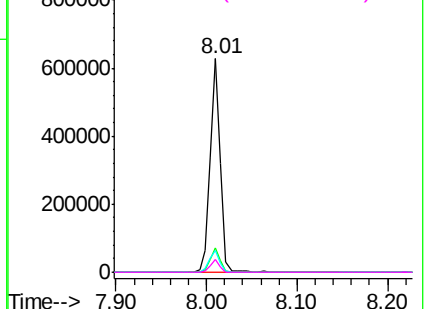
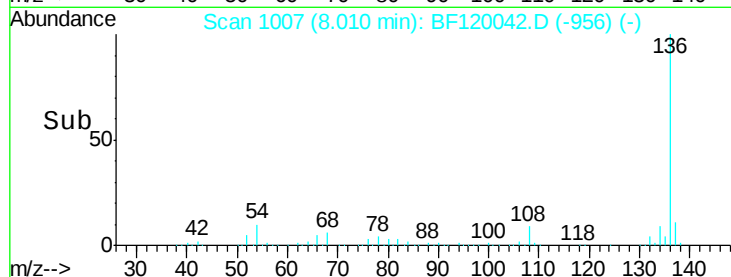
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: BF120042.D
Acq: 16 Apr 2020 17:58

Instrument :
BNA_F
ClientSampleId :
TP-21A

Tot Ion:136	Resp:	501002
Ion	Ratio	Lower Upper
136	100	
137	11.3	8.7 13.1
54	10.2	8.5 12.7
68	5.8	3.9 5.9

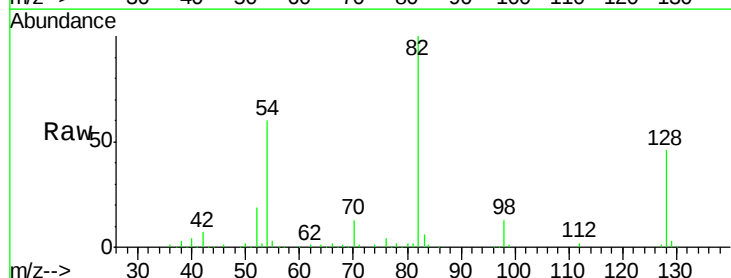


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

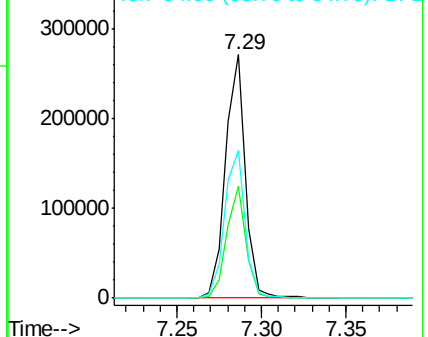
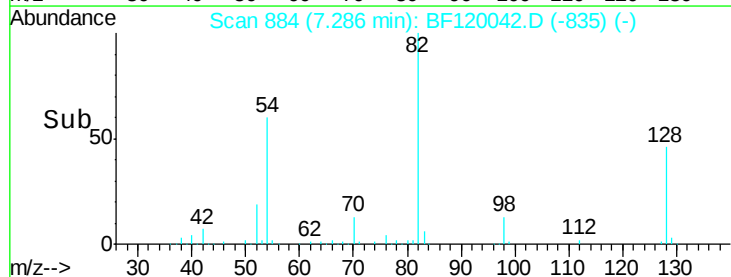


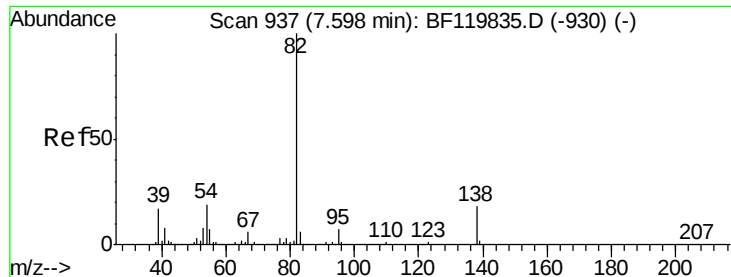
#23
Nitrobenzene-d5
Concen: 22.932 ng
RT: 7.29 min Scan# 884
Delta R.T. -0.01 min
Lab File: BF120042.D
Acq: 16 Apr 2020 17:58

Tgt Ion: 82	Resp:	222081
Ion	Ratio	Lower Upper
82	100	
128	46.1	36.2 54.4
54	60.5	50.4 75.6



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: 11.665 ng

RT: 7.29 min Scan# 884

Delta R.T. -0.27 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-21A

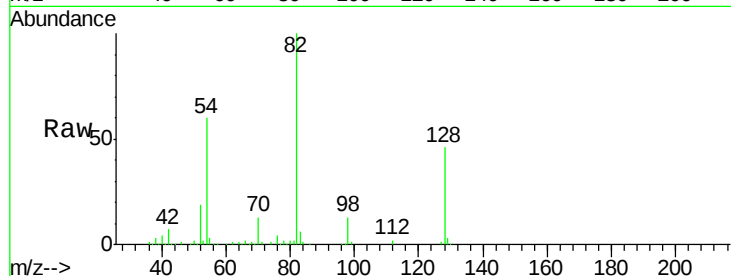
Tot Ion: 82 Resp: 217769

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

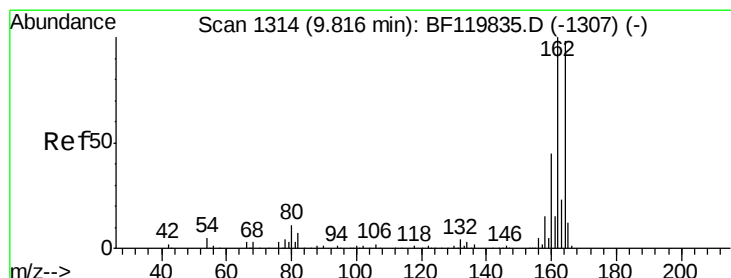
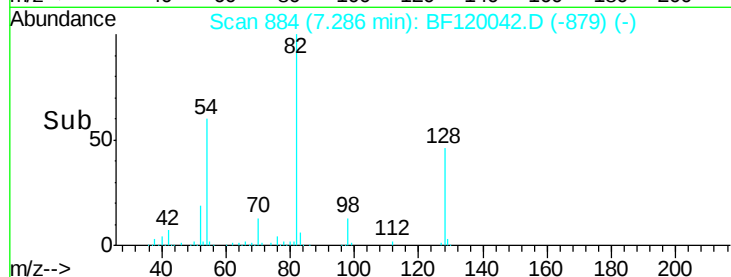
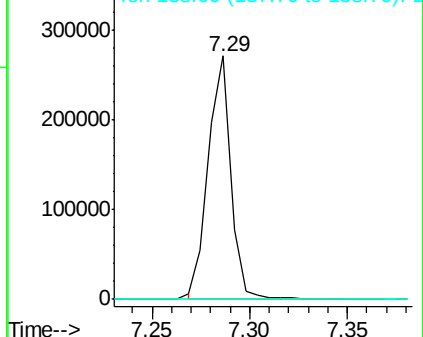
138 0.0 14.5 21.7#



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: 9.76 min Scan# 1305

Delta R.T. -0.01 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

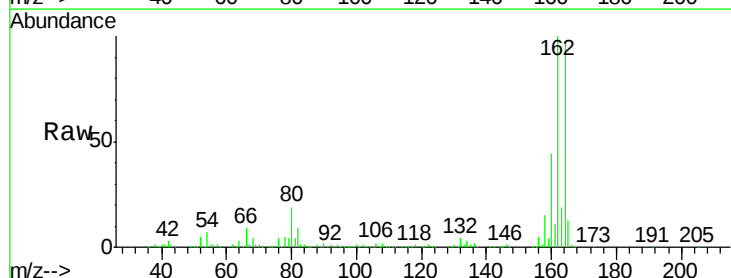
Tgt Ion:164 Resp: 217226

Ion Ratio Lower Upper

164 100

162 102.6 81.9 122.9

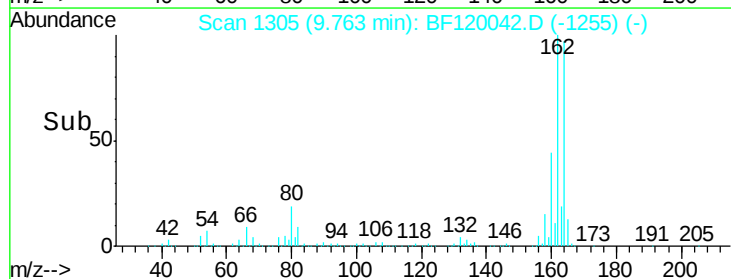
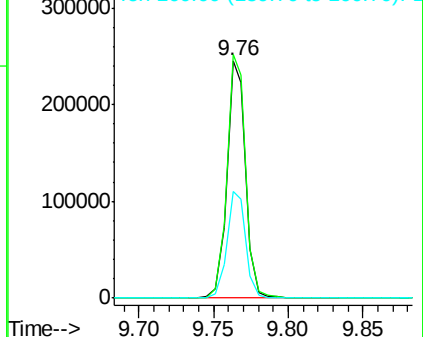
160 45.2 36.6 54.8

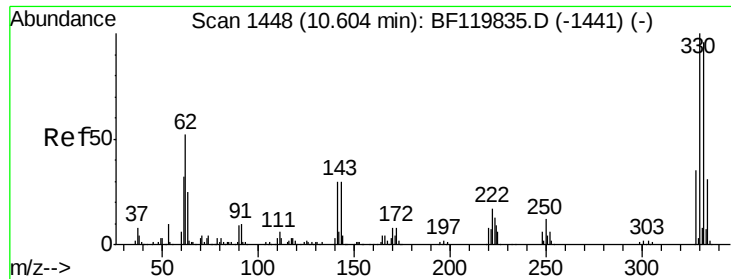


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

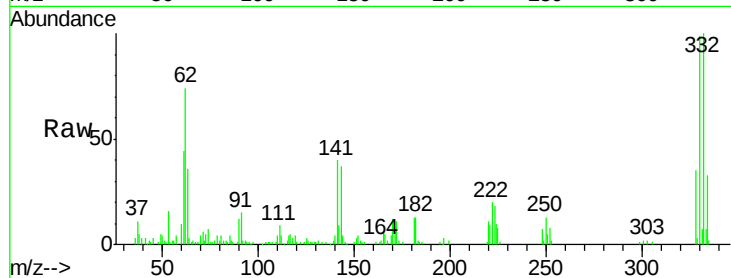




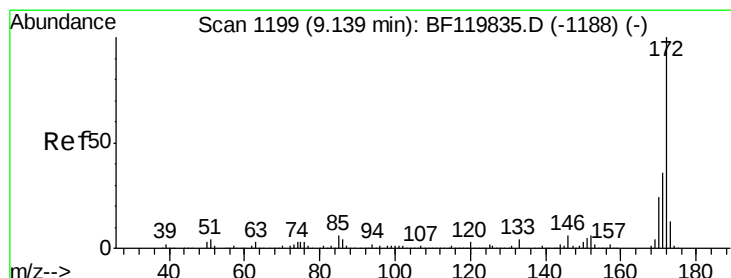
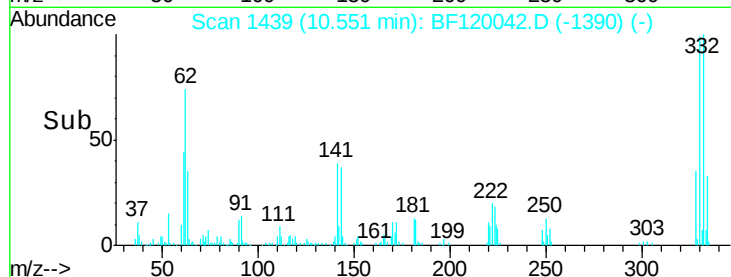
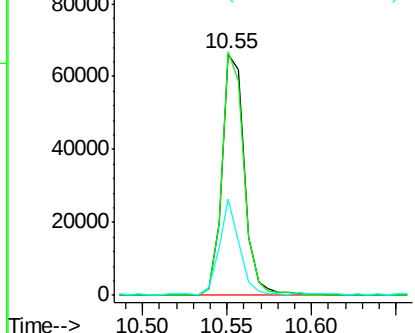
#42
 2,4,6-Tribromophenol
 Concen: 23.022 ng
 RT: 10.55 min Scan# 1439
 Delta R.T. -0.01 min
 Lab File: BF120042.D
 Acq: 16 Apr 2020 17:58

Instrument :
 BNA_F
 ClientSampleId :
 TP-21A

Tot Ion:330 Resp: 61229
 Ion Ratio Lower Upper
 330 100
 332 97.8 76.8 115.2
 141 36.9 25.1 37.7

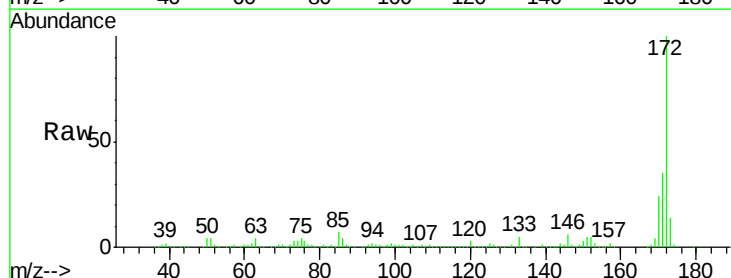


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

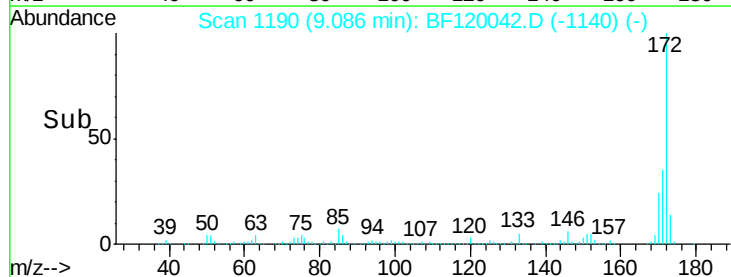
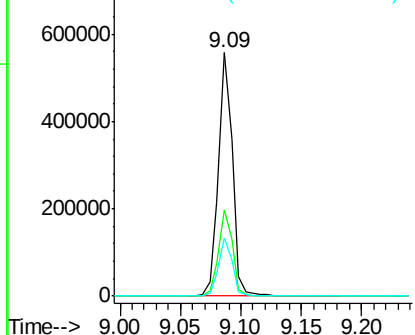


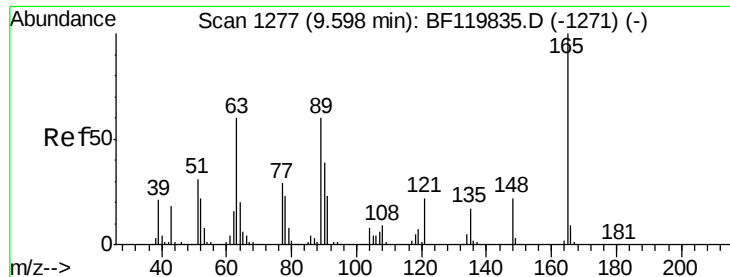
#45
 2-Fluorobiphenyl
 Concen: 28.801 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF120042.D
 Acq: 16 Apr 2020 17:58

Tgt Ion:172 Resp: 440655
 Ion Ratio Lower Upper
 172 100
 171 35.4 28.9 43.3
 170 23.9 19.4 29.2



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

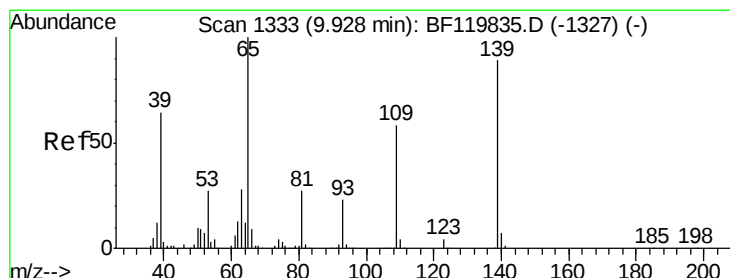
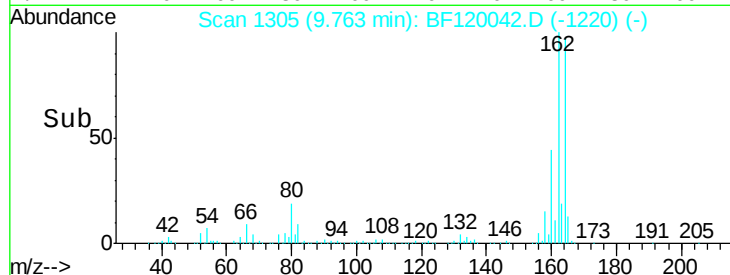
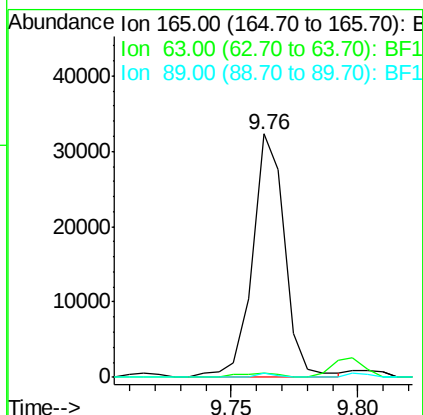
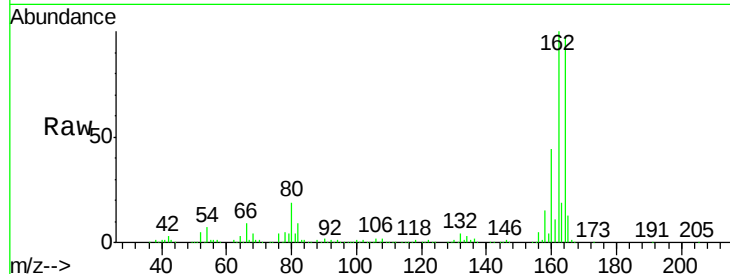




#51
 2,6-Dinitrotoluene
 Concen: 7.805 ng
 RT: 9.76 min Scan# 1305
 Delta R.T. 0.20 min
 Lab File: BF120042.D
 Acq: 16 Apr 2020 17:58

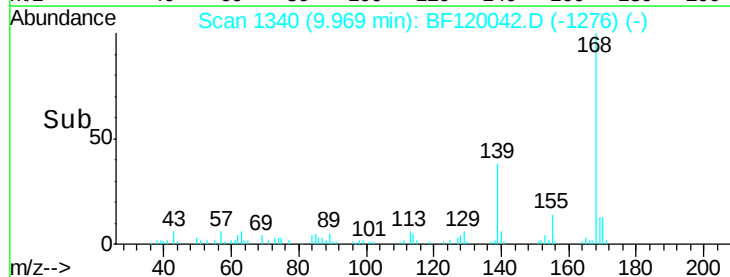
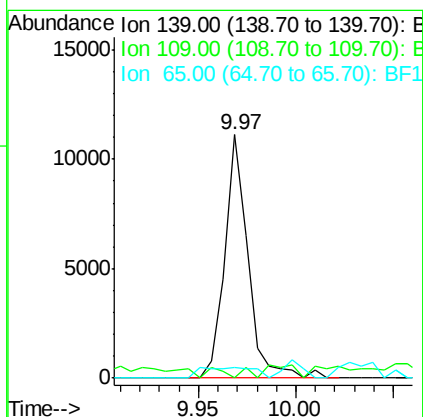
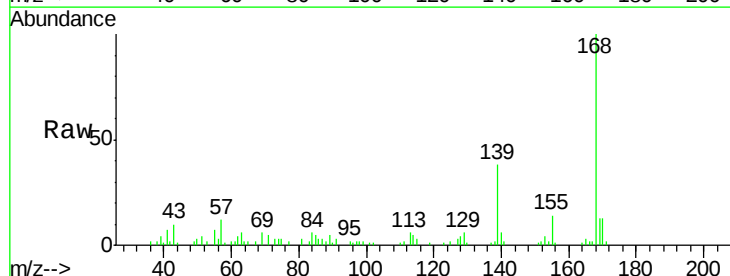
Instrument :
 BNA_F
 ClientSampleId :
 TP-21A

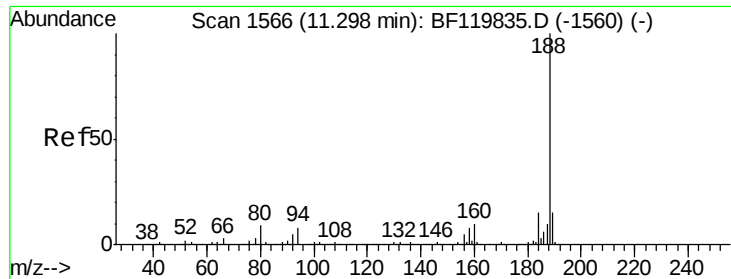
Tot Ion:165 Resp: 28717
 Ion Ratio Lower Upper
 165 100
 63 1.6 55.6 83.4#
 89 1.8 47.9 71.9#



#56
 4-Nitrophenol
 Concen: 2.935 ng
 RT: 9.97 min Scan# 1340
 Delta R.T. 0.08 min
 Lab File: BF120042.D
 Acq: 16 Apr 2020 17:58

Tgt Ion:139 Resp: 9178
 Ion Ratio Lower Upper
 139 100
 109 0.0 45.5 85.5#
 65 4.6 92.3 132.3#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.25 min Scan# 1558

Delta R.T. -0.00 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

Instrument :

BNA_F

ClientSampled :

TP-21A

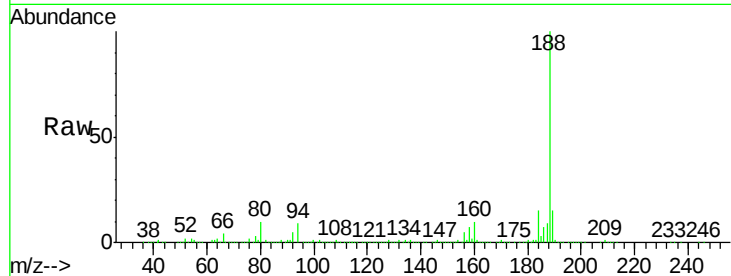
Tot Ion:188 Resp: 335534

Ion Ratio Lower Upper

188 100

94 9.4 6.7 10.1

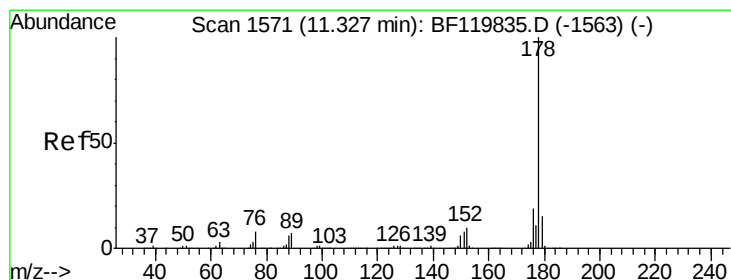
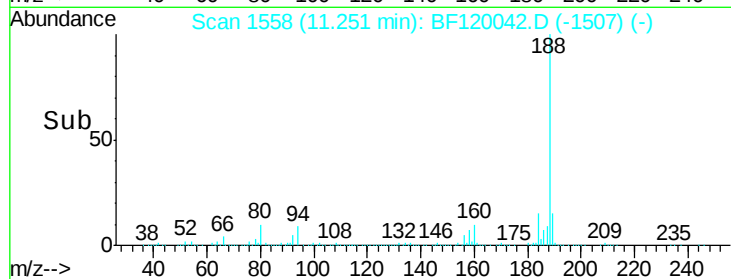
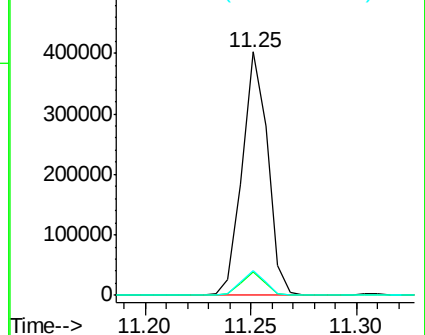
80 10.2 7.4 11.2



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



#71

Phenanthrene

Concen: 22.377 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.01 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

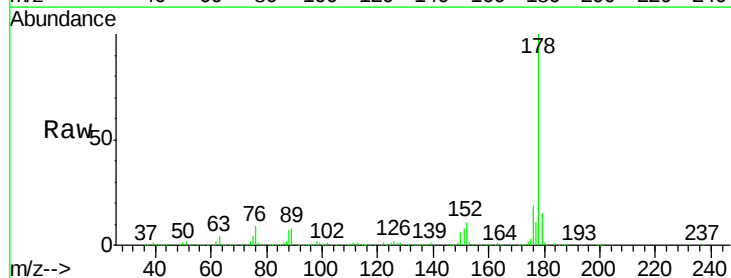
Tgt Ion:178 Resp: 399593

Ion Ratio Lower Upper

178 100

176 19.1 15.1 22.7

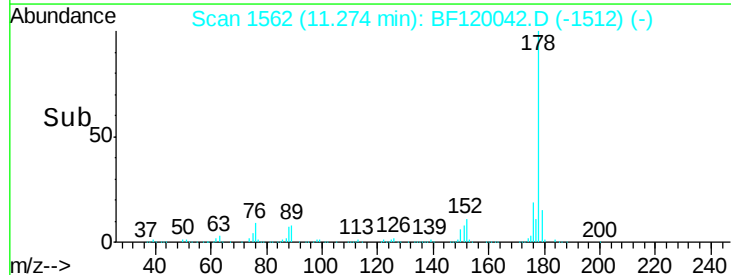
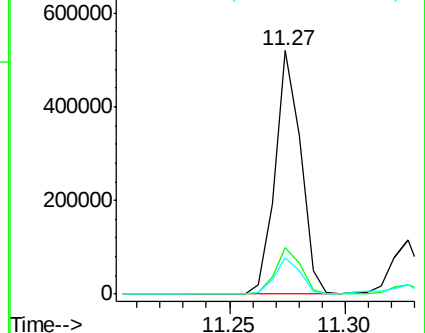
179 15.1 12.2 18.4

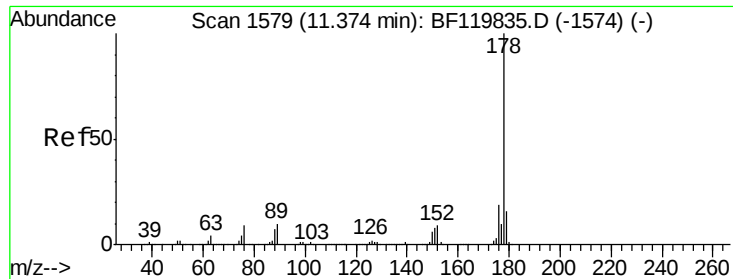


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Anthracene

Concen: 5.112 ng

RT: 11.33 min Scan# 1571

Delta R.T. -0.01 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-21A

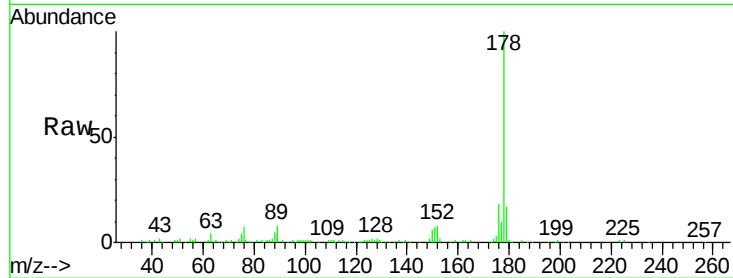
Tot Ion:178 Resp: 93248

Ion Ratio Lower Upper

178 100

176 17.7 15.4 23.2

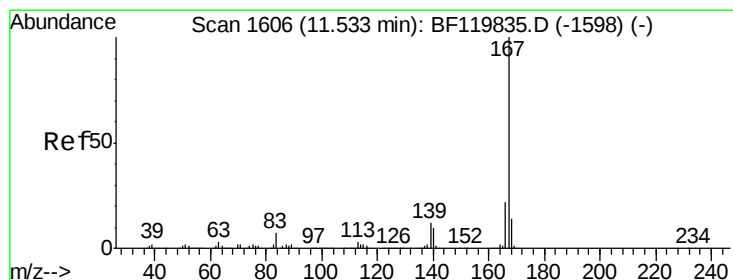
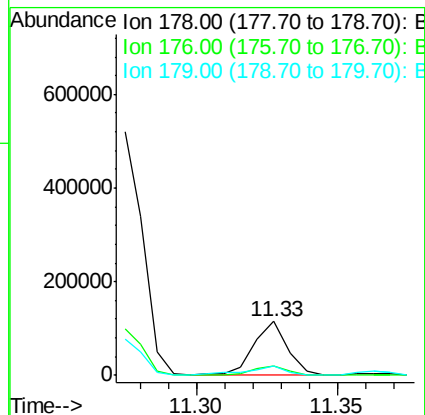
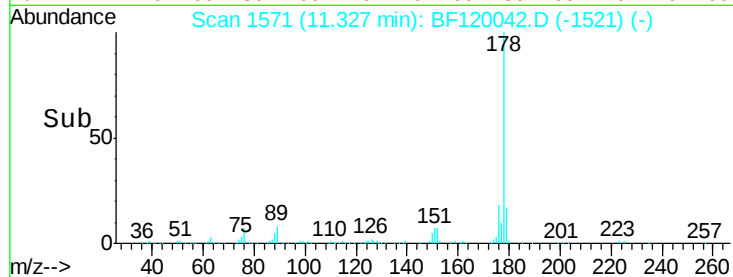
179 16.9 12.8 19.2



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



#73

Carbazole

Concen: 2.449 ng

RT: 11.49 min Scan# 1598

Delta R.T. -0.00 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

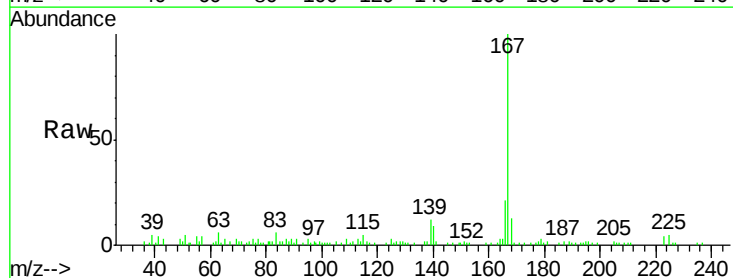
Tgt Ion:167 Resp: 42246

Ion Ratio Lower Upper

167 100

166 20.5 17.4 26.0

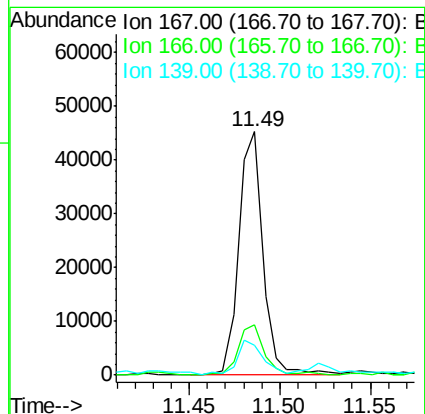
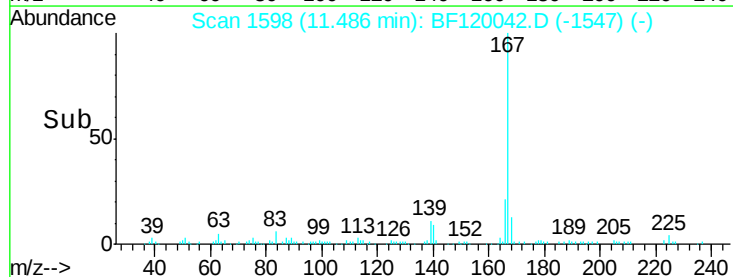
139 12.1 9.8 14.8

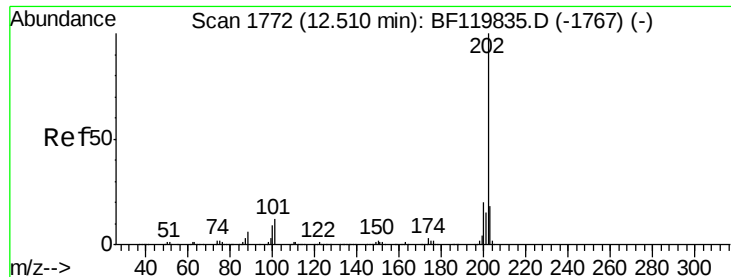


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#75

Fluoranthene

Concen: 31.178 ng

RT: 12.47 min Scan# 1765

Delta R.T. -0.00 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

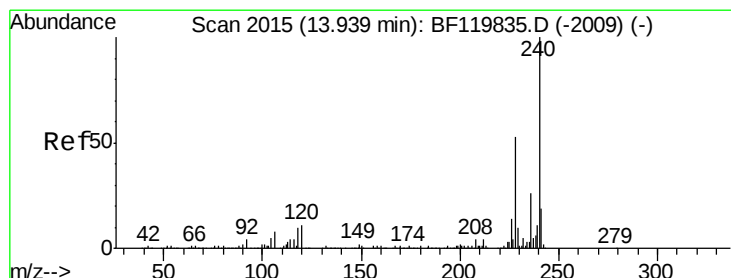
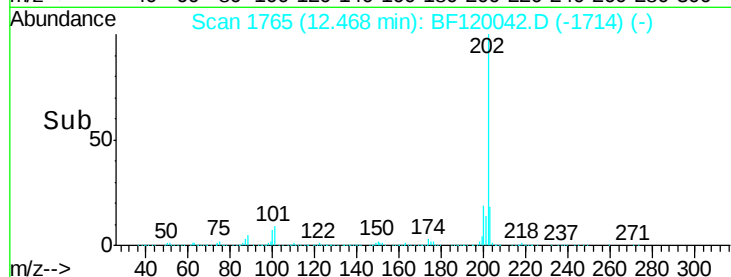
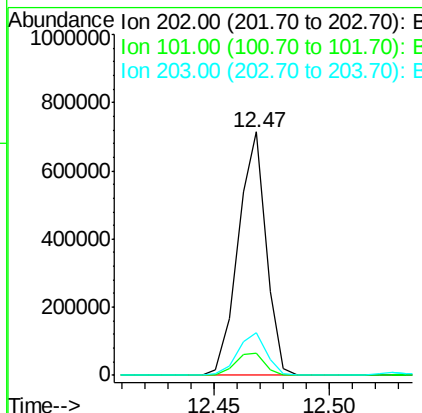
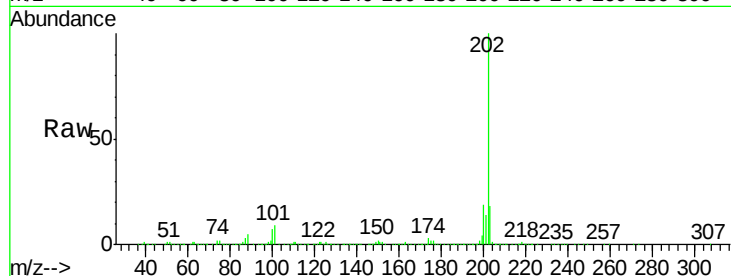
Instrument :

BNA_F

ClientSampleId :

TP-21A

Tot Ion:	202	Resp:	600745
Ion	Ratio	Lower	Upper
202	100		
101	9.2	0.0	32.3
203	17.8	0.0	37.6



#76

Chrysene-d12

Concen: 20.000 ng

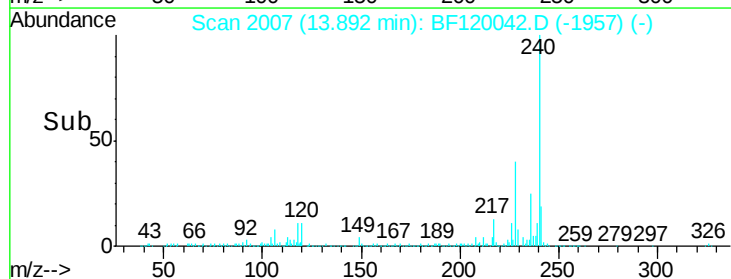
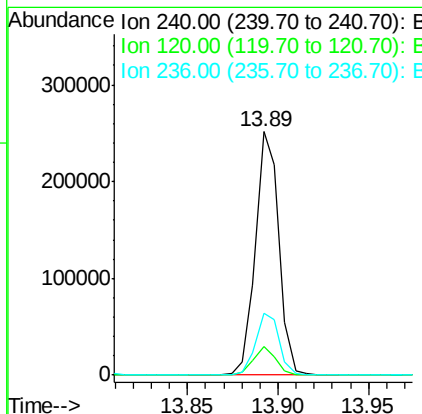
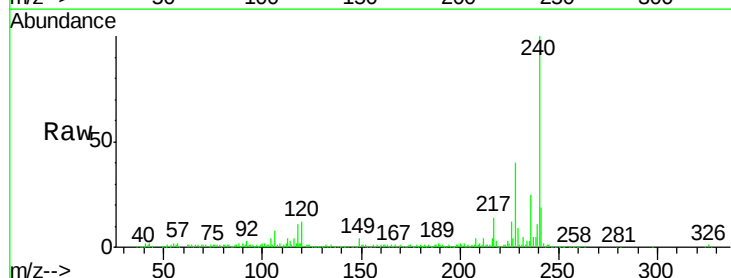
RT: 13.89 min Scan# 2007

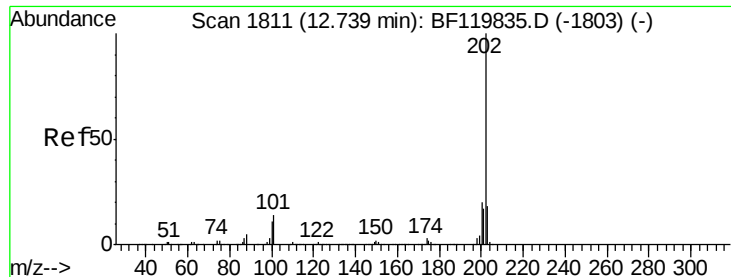
Delta R.T. -0.01 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

Tgt Ion:	240	Resp:	226544
Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.0	13.6
236	25.4	20.7	31.1





#78

Pvrene

Concen: 27.476 ng

RT: 12.70 min Scan# 1804

Delta R.T. -0.00 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-21A

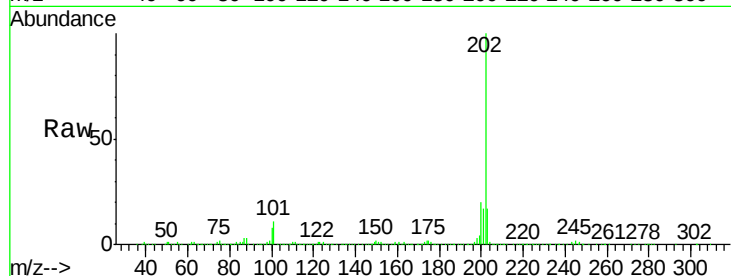
Tot Ion:202 Resp: 524732

Ion Ratio Lower Upper

202 100

200 19.5 16.2 24.2

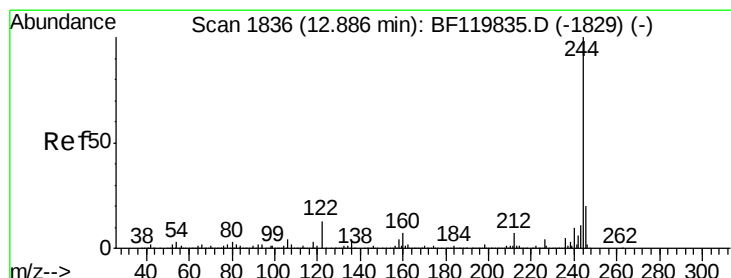
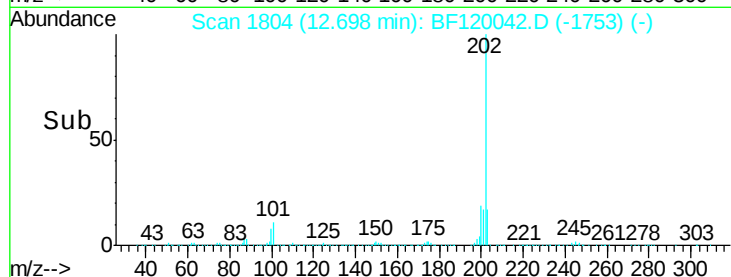
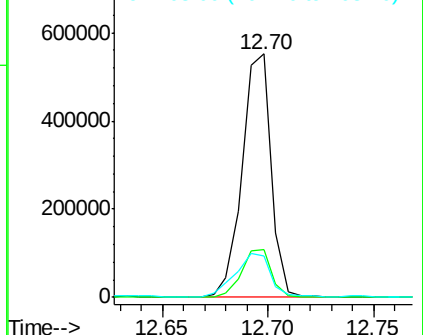
203 17.1 14.1 21.1



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: 26.357 ng

RT: 12.84 min Scan# 1828

Delta R.T. -0.01 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

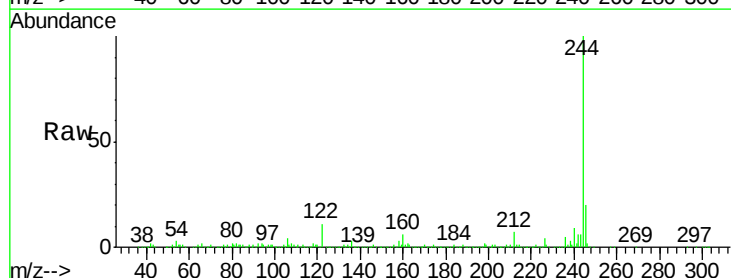
Tgt Ion:244 Resp: 354853

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

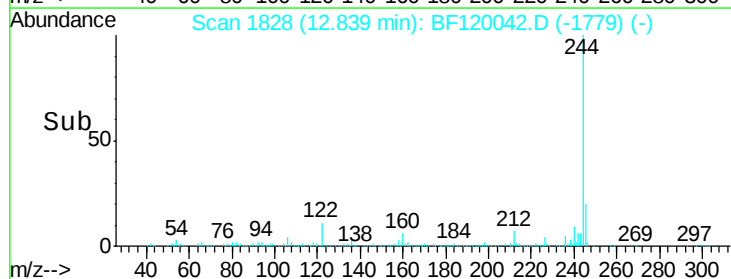
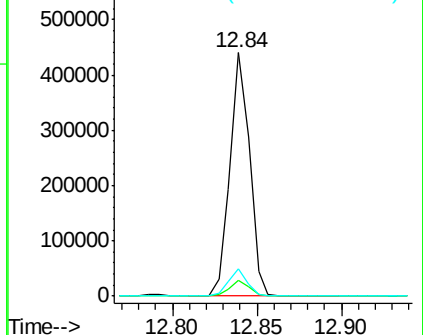
122 11.4 10.3 15.5

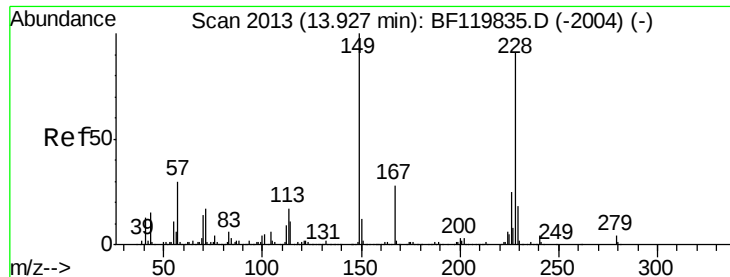


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 16.270 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-21A

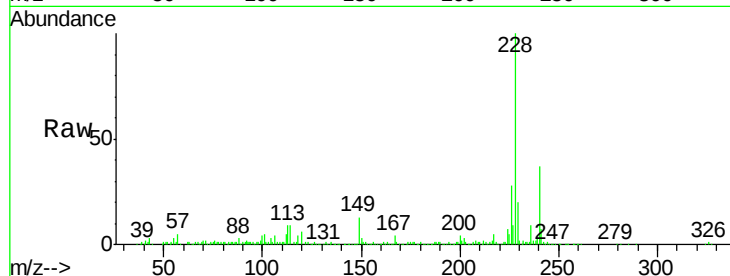
Tot Ion:228 Resp: 242473

Ion Ratio Lower Upper

228 100

226 28.4 21.9 32.9

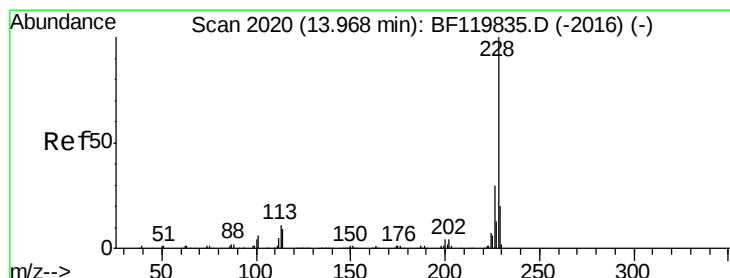
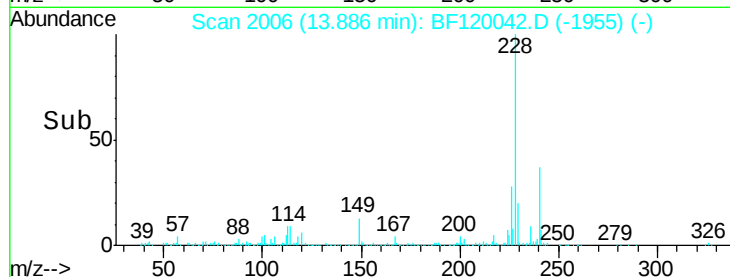
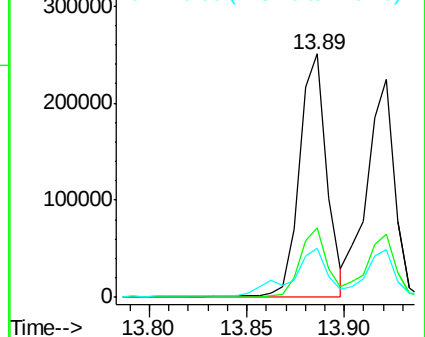
229 20.2 15.9 23.9



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: 14.754 ng

RT: 13.92 min Scan# 2012

Delta R.T. -0.01 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

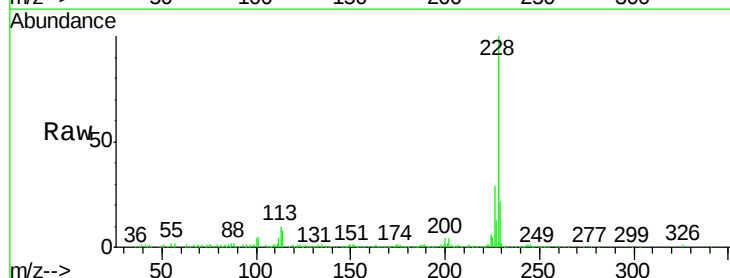
Tgt Ion:228 Resp: 223421

Ion Ratio Lower Upper

228 100

226 29.0 24.2 36.2

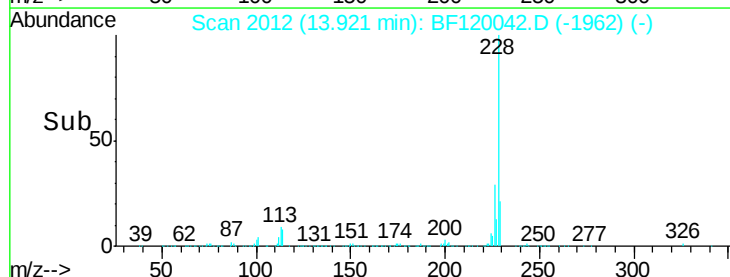
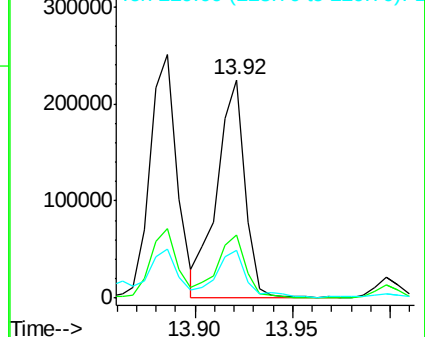
229 22.1 15.9 23.9

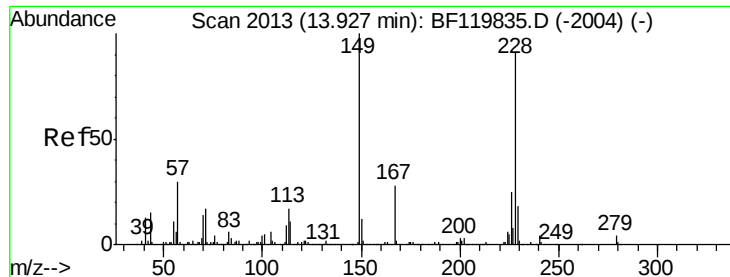


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.435 ng

RT: 13.89 min Scan# 2006

Delta R.T. -0.00 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-21A

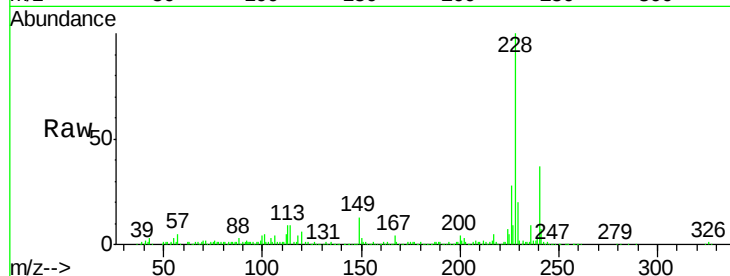
Tot Ion:149 Resp: 30564

Ion Ratio Lower Upper

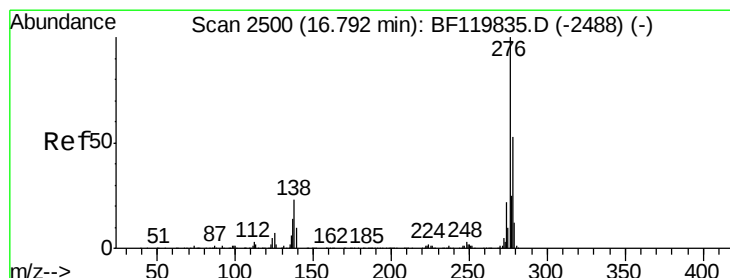
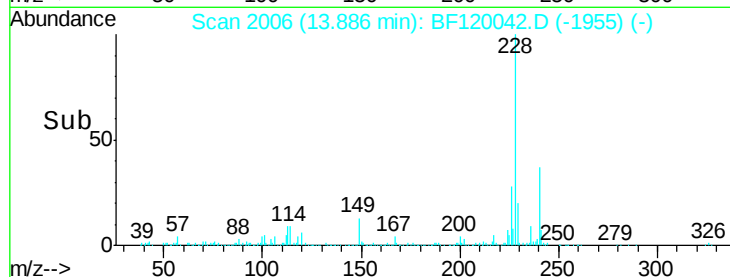
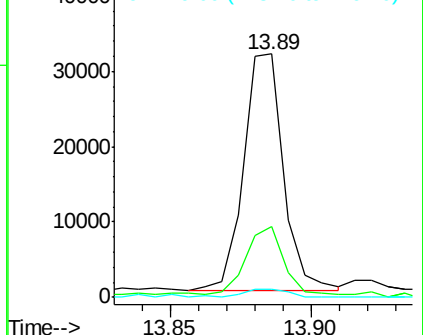
149 100

167 29.2 22.2 33.2

279 3.5 3.4 5.0



Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 279.00 (278.70 to 279.70): E



#86

Indeno(1,2,3-cd)pyrene

Concen: 8.045 ng

RT: 16.70 min Scan# 2485

Delta R.T. -0.01 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

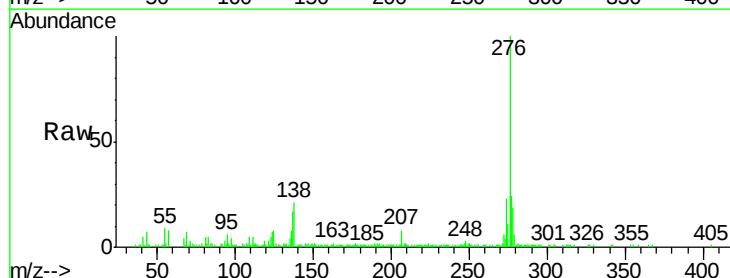
Tgt Ion:276 Resp: 107393

Ion Ratio Lower Upper

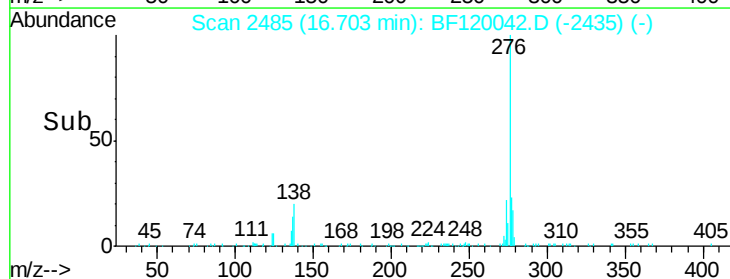
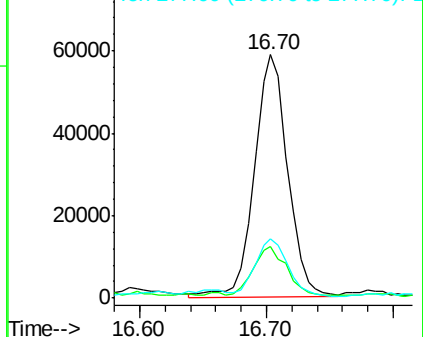
276 100

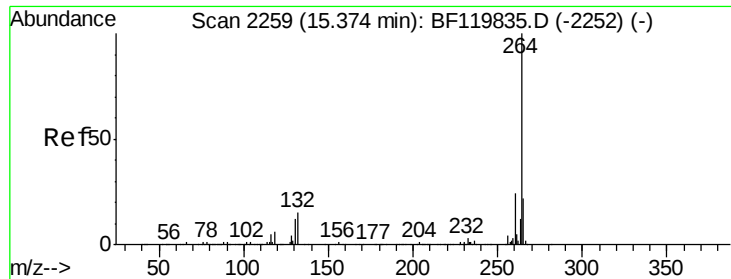
138 21.9 18.0 27.0

277 23.1 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.32 min Scan# 2250

Delta R.T. -0.00 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

Instrument :

BNA_F

ClientSampleId :

TP-21A

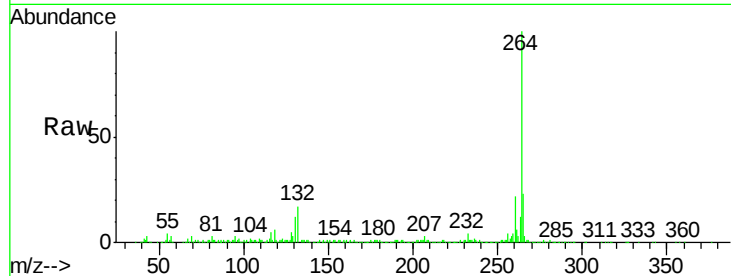
Tot Ion:264 Resp: 213162

Ion Ratio Lower Upper

264 100

260 22.4 19.3 28.9

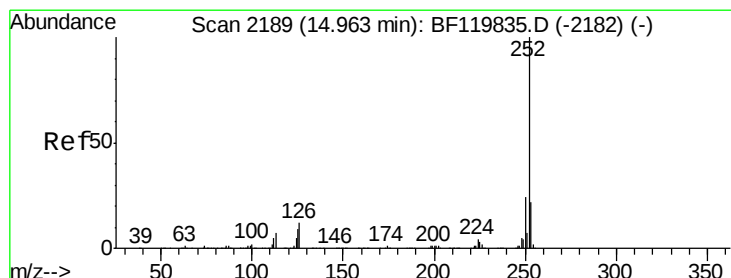
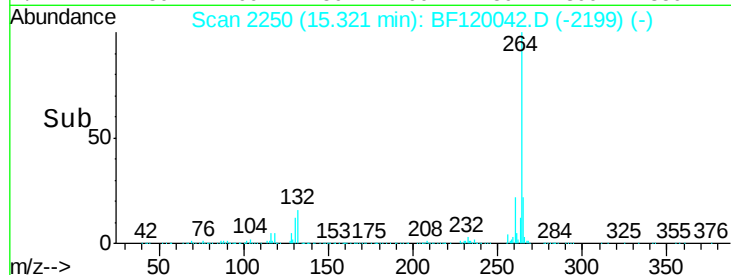
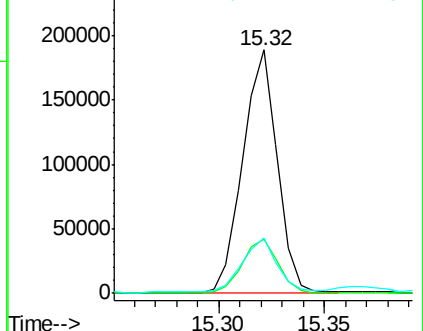
265 22.6 17.6 26.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 21.356 ng

RT: 14.91 min Scan# 2180

Delta R.T. -0.01 min

Lab File: BF120042.D

Acq: 16 Apr 2020 17:58

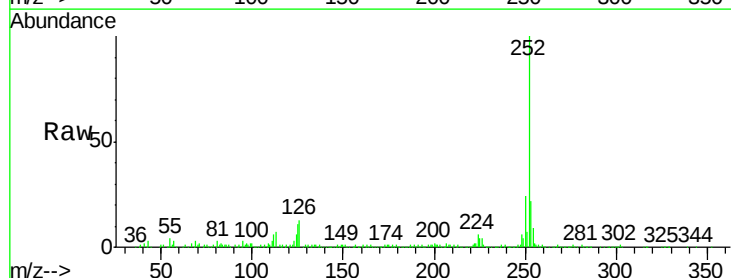
Tgt Ion:252 Resp: 327482

Ion Ratio Lower Upper

252 100

253 21.8 17.7 26.5

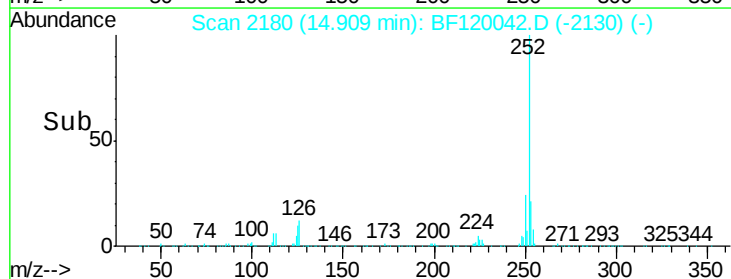
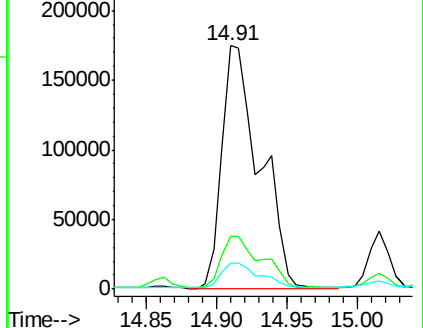
125 10.8 7.4 11.2

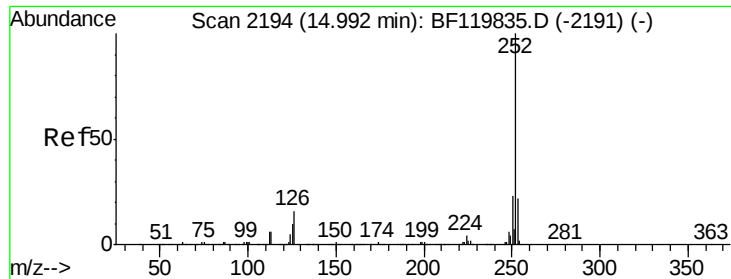


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

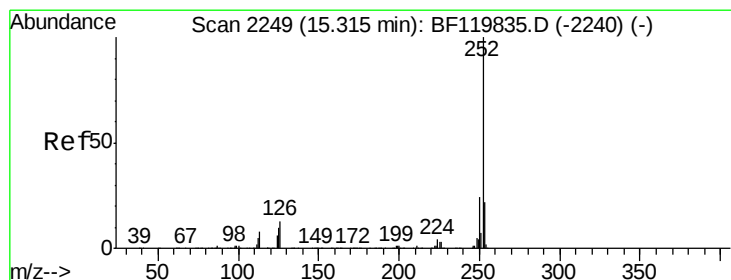
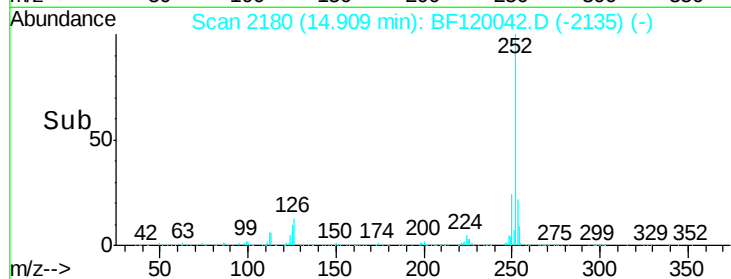
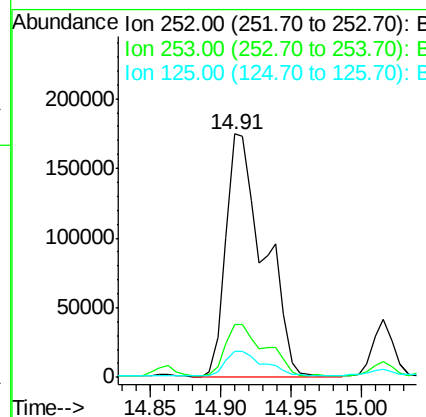
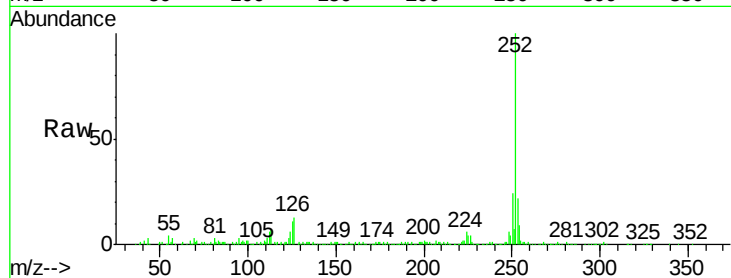




#89
Benzo(k)fluoranthene
Concen: 24.752 ng
RT: 14.91 min Scan# 2180
Delta R.T. -0.04 min
Lab File: BF120042.D
Acq: 16 Apr 2020 17:58

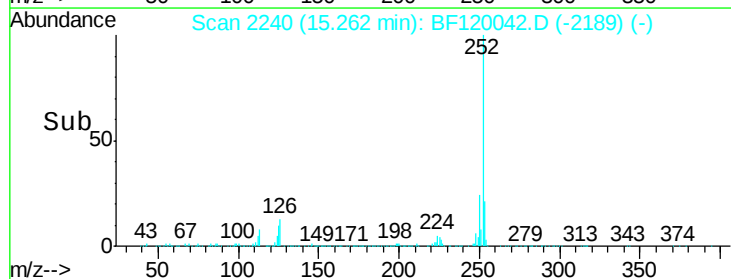
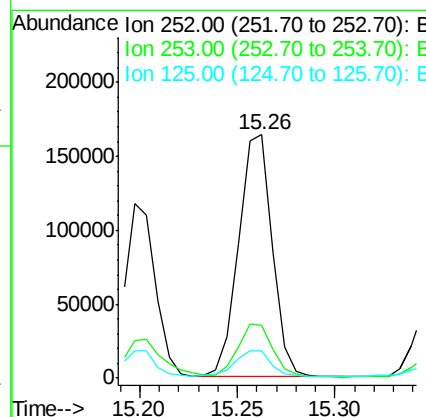
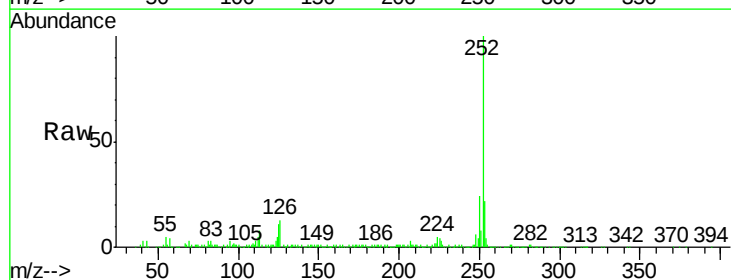
Instrument :
BNA_F
ClientSampleId :
TP-21A

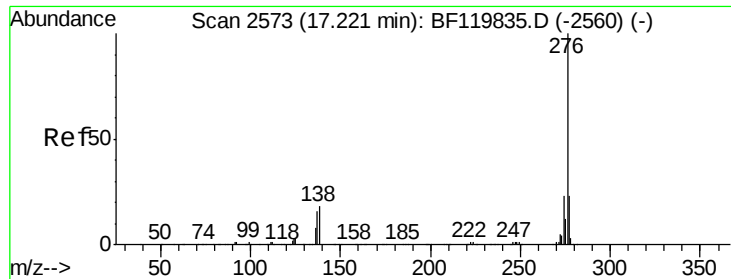
Tot Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.8	7.7	11.5



#90
Benzo(a)pyrene
Concen: 15.195 ng
RT: 15.26 min Scan# 2240
Delta R.T. -0.00 min
Lab File: BF120042.D
Acq: 16 Apr 2020 17:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.2
125	11.0	8.3	12.5

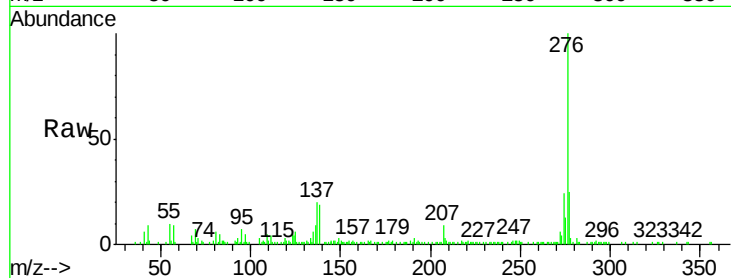




#92
 Benzo(a,h,i)perylene
 Concen: 8.507 ng
 RT: 17.12 min Scan# 2556
 Delta R.T. -0.01 min
 Lab File: BF120042.D
 Acq: 16 Apr 2020 17:58

Instrument :
 BNA_F
 ClientSampleId :
 TP-21A

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.0	18.5	27.7
138	19.4	14.6	22.0



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

