

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
 Data File : BF121088.D
 Acq On : 29 Jul 2020 00:59
 Operator : JU/CG
 Sample : 3430-01
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS1

Quant Time: Jul 29 04:06:47 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF071620.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 16 14:20:32 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	177213	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	669067	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	369856	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	718287	20.00	ng	0.00
76) Chrysene-d12	13.97	240	591716	20.00	ng	0.00
86) Perylene-d12	15.43	264	501159	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.44	112	966300	89.39	ng	0.02
7) Phenol-d6	6.45	99	1166430	83.53	ng	0.00
23) Nitrobenzene-d5	7.37	82	733295	63.42	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	394568	97.46	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	1432056	57.81	ng	0.00
79) Terphenyl-d14	12.92	244	1526394	56.08	ng	0.00

Target Compounds

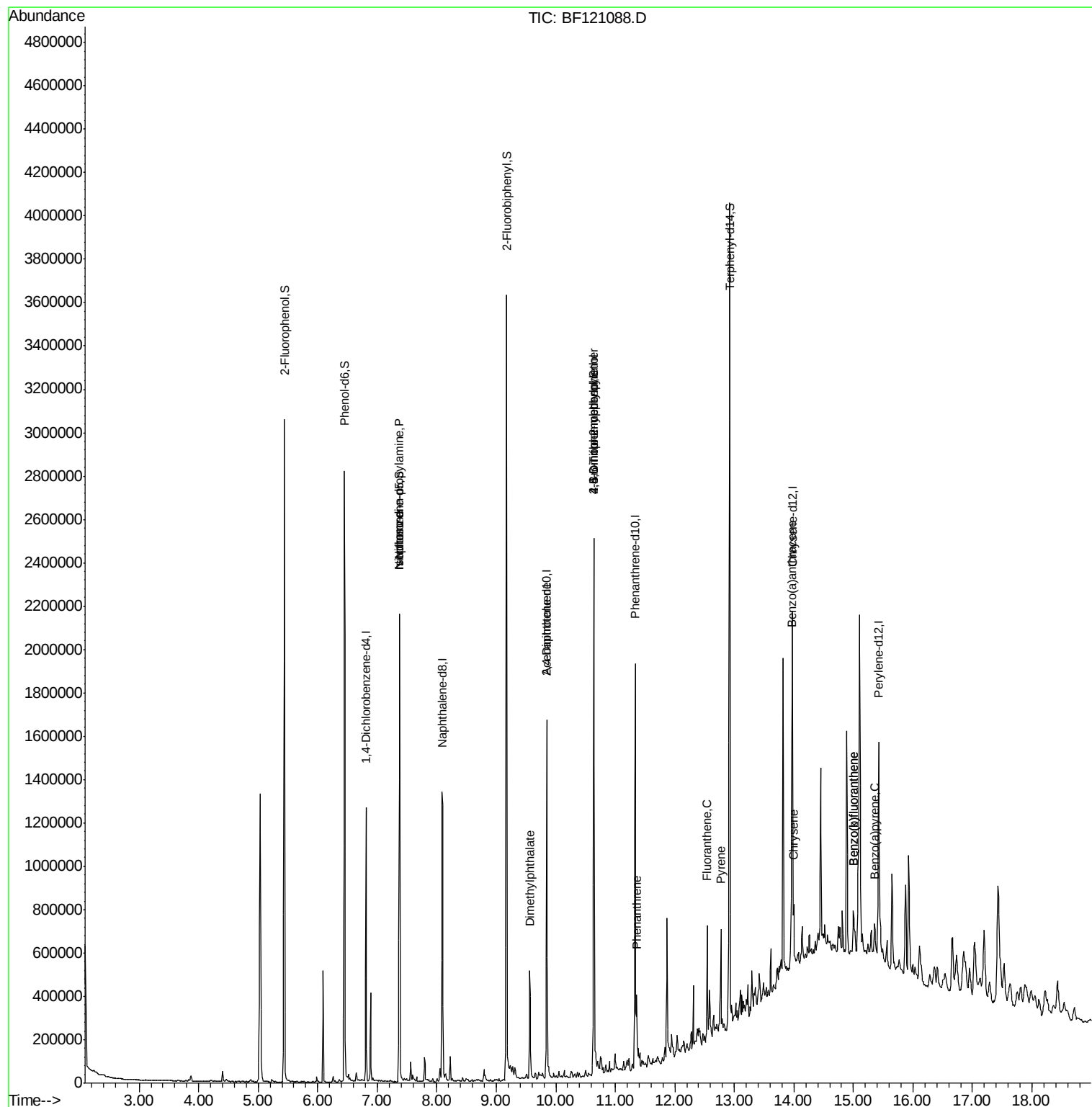
						Qvalue
9) Benzaldehyde	6.36	77	3310	Below Cal		90
19) n-Nitroso-di-n-propylamine	7.37	70	97148	12.235 ng	#	78
25) Isophorone	7.37	82	733288	31.776 ng	#	63
50) Dimethylphthalate	9.56	163	211875	7.941 ng		99
57) 2,4-Dinitrotoluene	9.85	165	47815	6.352 ng	#	27
65) 4,6-Dinitro-2-methylphenol	10.64	198	695	3.996 ng	#	1
67) 4-Bromophenyl-phenylether	10.64	248	22060	2.755 ng	#	1
71) Phenanthrene	11.36	178	92231	2.497 ng		99
75) Fluoranthene	12.54	202	210866	5.150 ng		98
78) Pyrene	12.77	202	213927	5.114 ng		98
81) Benzo(a)anthracene	13.96	228	96751	2.700 ng		97
83) Chrysene	14.00	228	106786	2.836 ng		98
88) Benzo(b)fluoranthene	15.00	252	158748	5.240 ng	#	93
89) Benzo(k)fluoranthene	15.00	252	158748	5.746 ng	#	93
90) Benzo(a)pyrene	15.36	252	81831	2.961 ng	#	91

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

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF072820\
Data File : BF121088.D
Acq On : 29 Jul 2020 00:59
Operator : JU/CG
Sample : 3430-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TS1

Quant Time: Jul 29 04:06:47 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



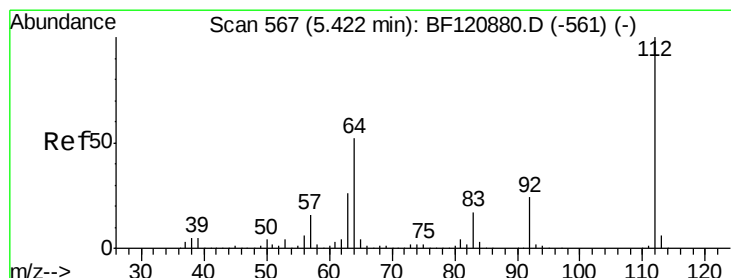
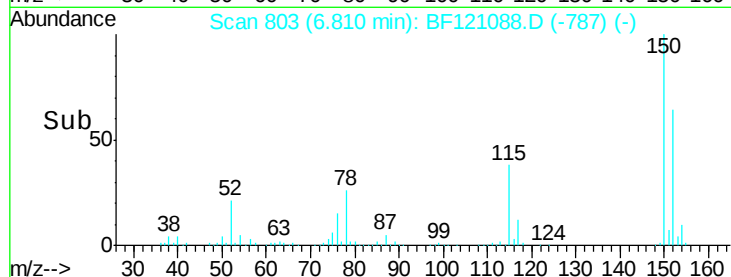
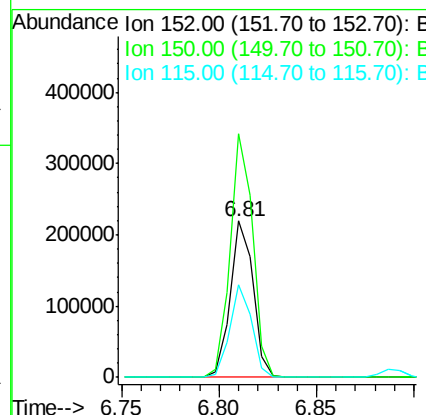
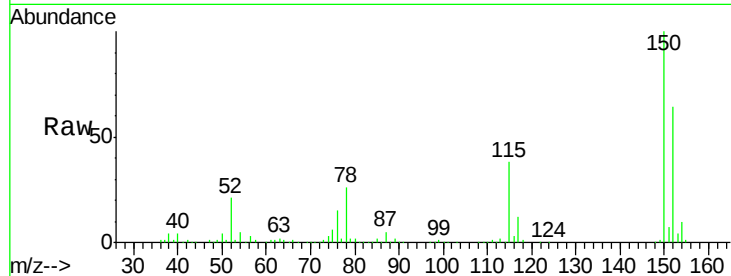


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF121088.D
Acq: 29 Jul 2020 00:59

Instrument :
BNA_F
ClientSampled :
TS1

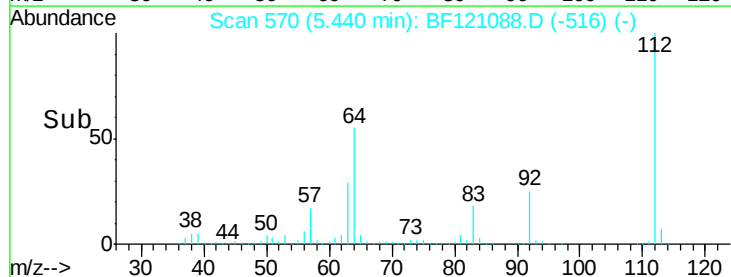
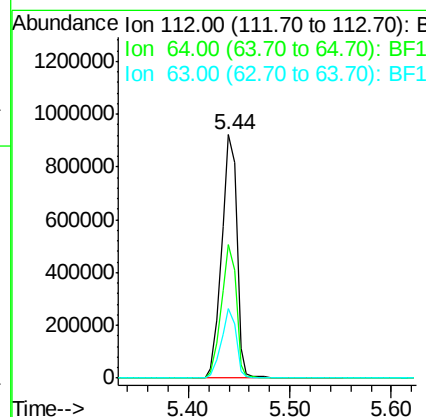
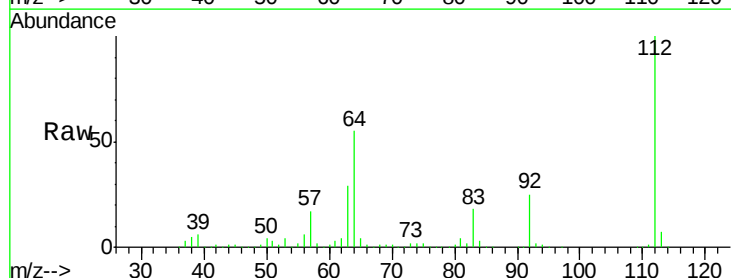
Tot Ion:152 Resp: 177213
Ion Ratio Lower Upper
152 100
150 155.6 125.0 187.6
115 59.5 47.0 70.4

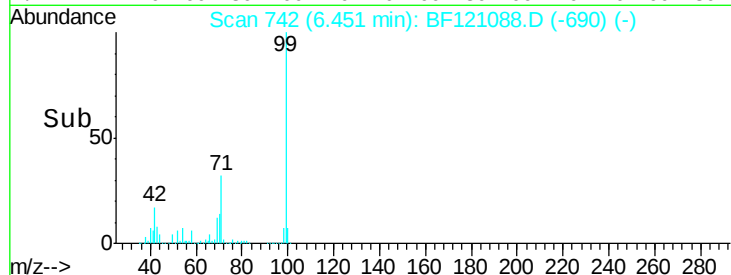
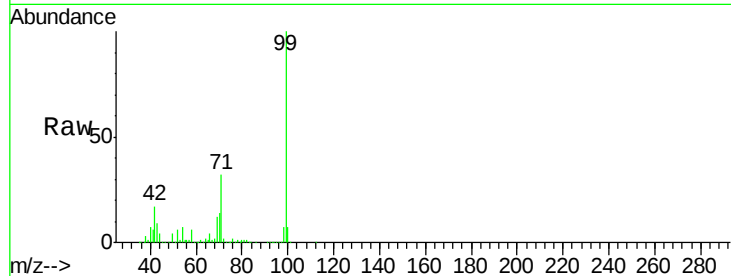


#5

2-Fluorophenol
Concen: 89.390 ng
RT: 5.44 min Scan# 570
Delta R.T. 0.02 min
Lab File: BF121088.D
Acq: 29 Jul 2020 00:59

Tgt Ion:112 Resp: 966300
Ion Ratio Lower Upper
112 100
64 54.8 41.3 61.9
63 28.6 21.1 31.7





#7

Phenol-d6

Concen: 83.533 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF121088.D

Acq: 29 Jul 2020 00:59

Instrument :

BNA_F

ClientSampled :

TS1

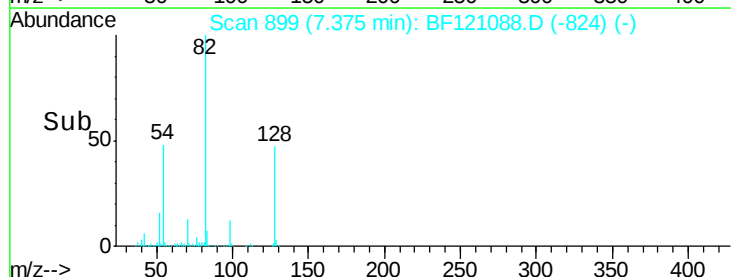
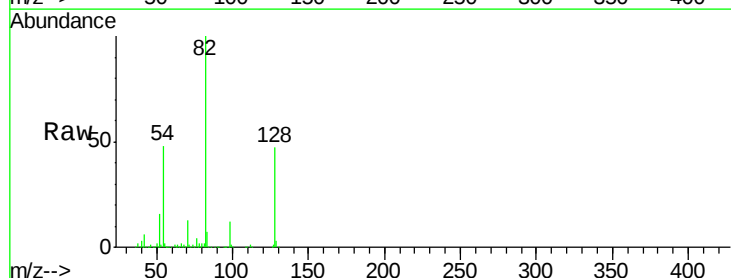
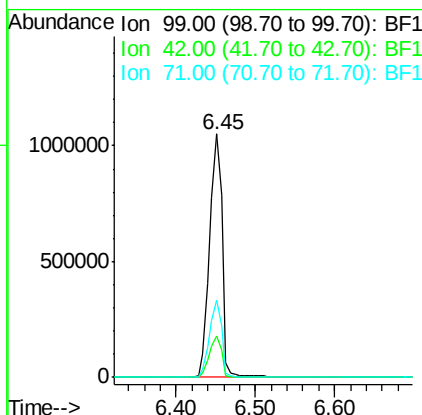
Tot Ion: 99 Resp: 1166430

Ion Ratio Lower Upper

99 100

42 17.1 13.1 19.7

71 31.9 24.2 36.4



#19

n-Nitroso-di-n-propylamine

Concen: 12.235 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF121088.D

Acq: 29 Jul 2020 00:59

Tgt Ion: 70 Resp: 97148

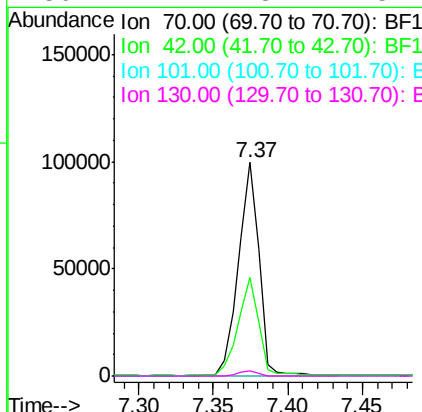
Ion Ratio Lower Upper

70 100

42 46.3 44.0 66.0

101 0.0 7.8 11.6#

130 2.2 18.7 28.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF121088.D

Acq: 29 Jul 2020 00:59

Instrument :

BNA_F

ClientSampleId :

TS1

Tot Ion:136 Resp: 669067

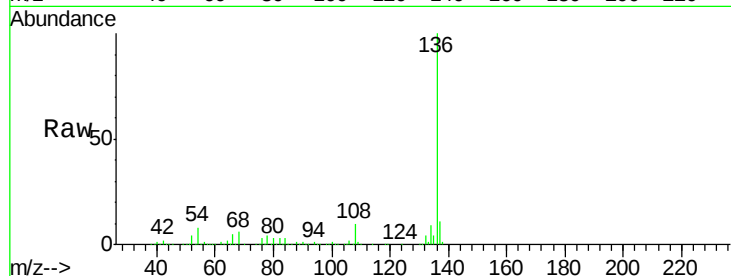
Ion Ratio Lower Upper

136 100

137 11.1 9.3 13.9

54 8.0 6.3 9.5

68 6.2 5.0 7.4

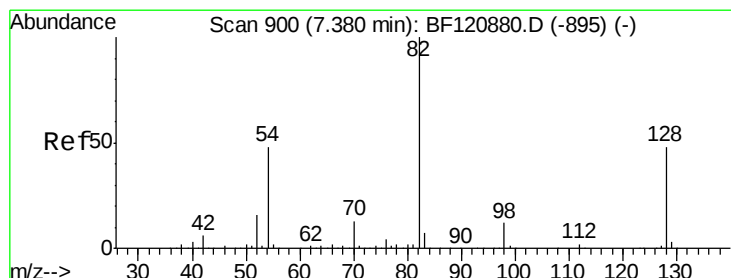
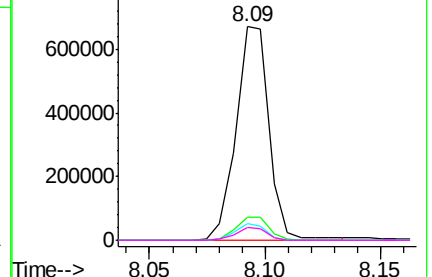
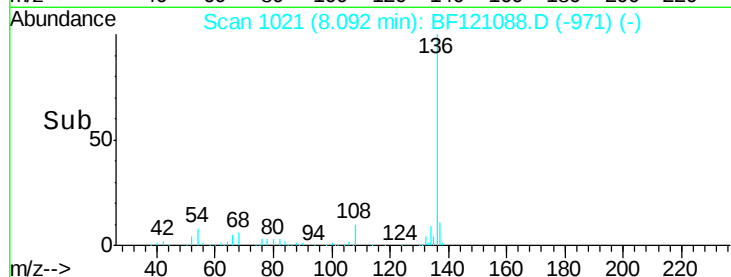


Abundance Ion 136.00 (135.70 to 136.70): E

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: 63.418 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF121088.D

Acq: 29 Jul 2020 00:59

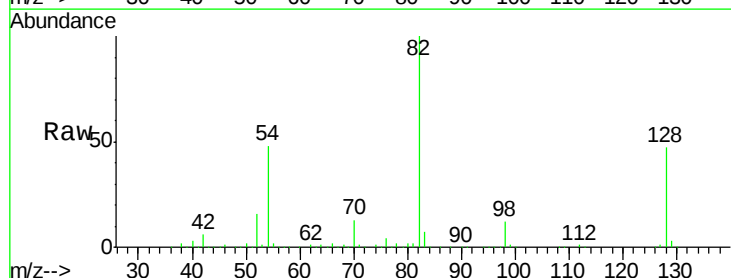
Tgt Ion: 82 Resp: 733295

Ion Ratio Lower Upper

82 100

128 46.7 38.2 57.4

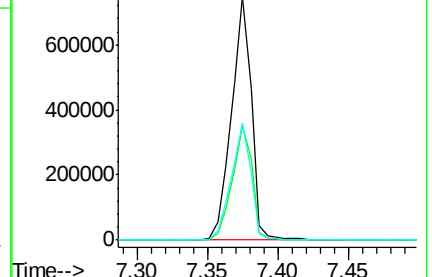
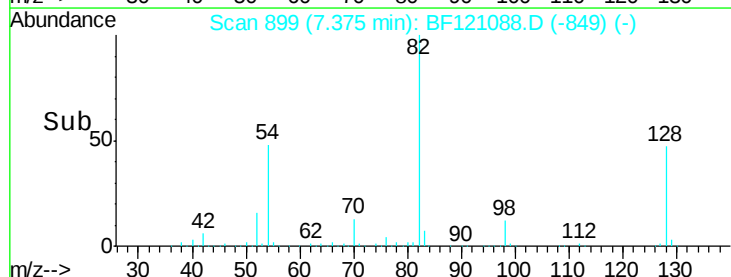
54 48.0 38.7 58.1



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 31.776 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF121088.D

Acq: 29 Jul 2020 00:59

Instrument :

BNA_F

ClientSampled :

TS1

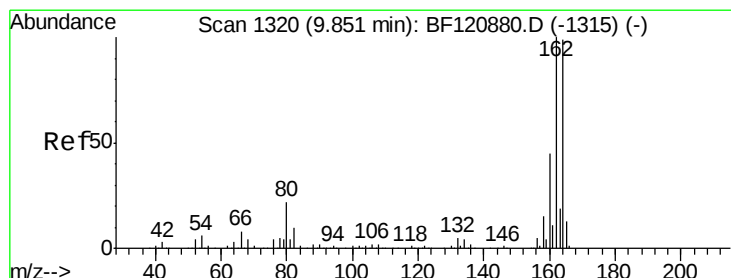
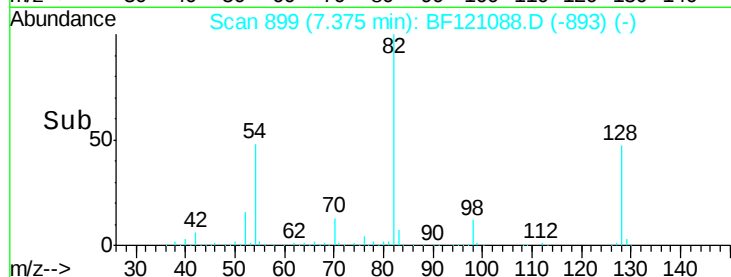
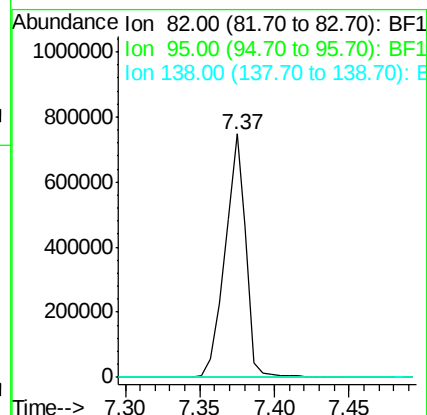
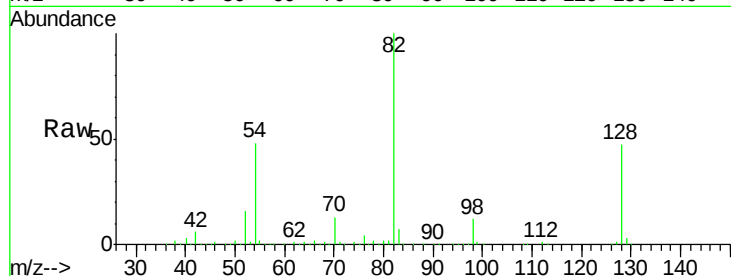
Tot Ion: 82 Resp: 733288

Ion Ratio Lower Upper

82 100

95 0.1 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: BF121088.D

Acq: 29 Jul 2020 00:59

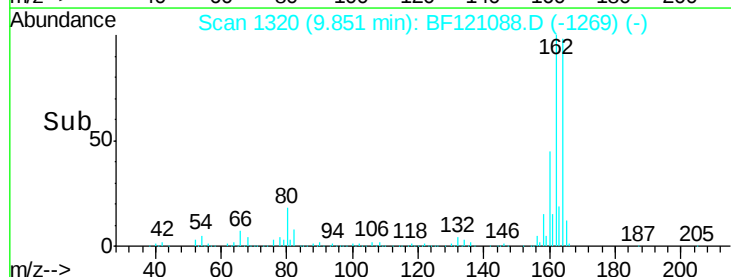
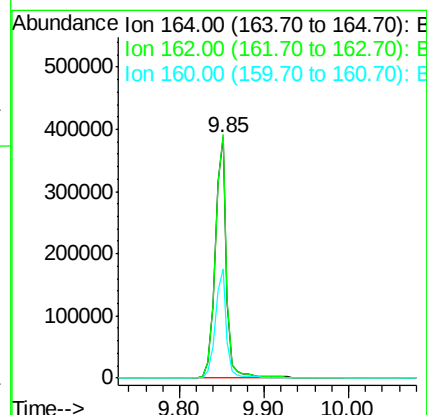
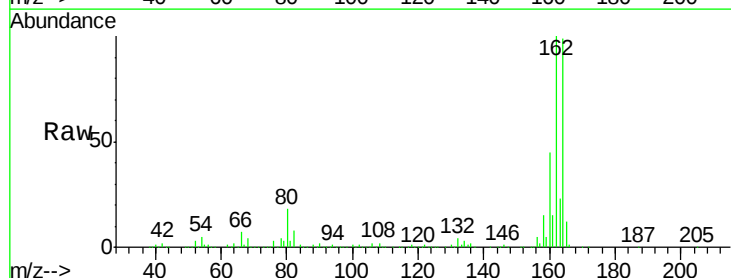
Tgt Ion:164 Resp: 369856

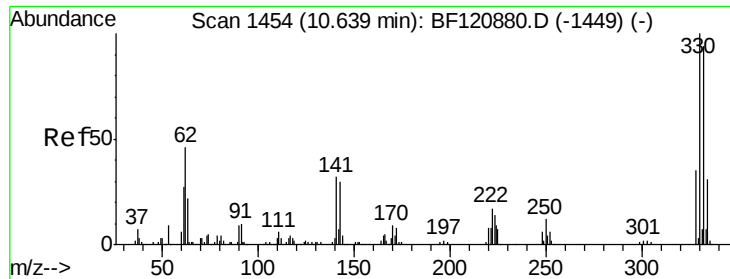
Ion Ratio Lower Upper

164 100

162 101.2 81.2 121.8

160 45.1 36.9 55.3

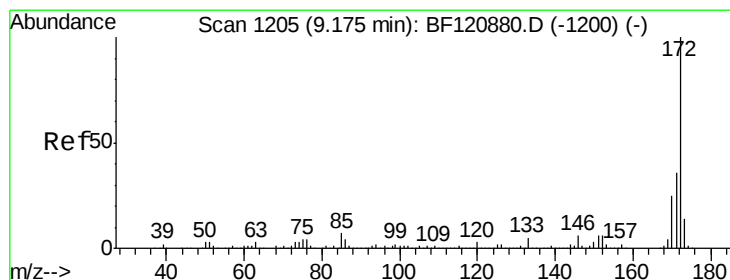
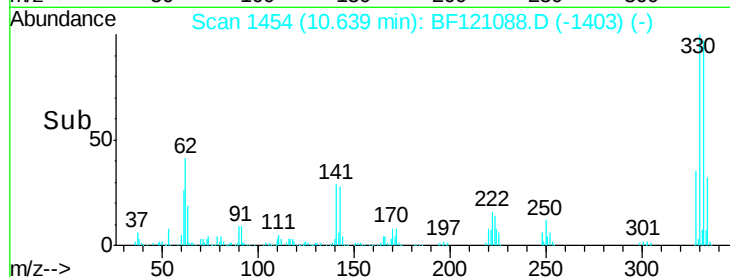
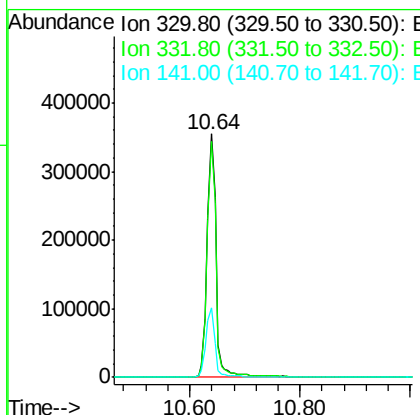
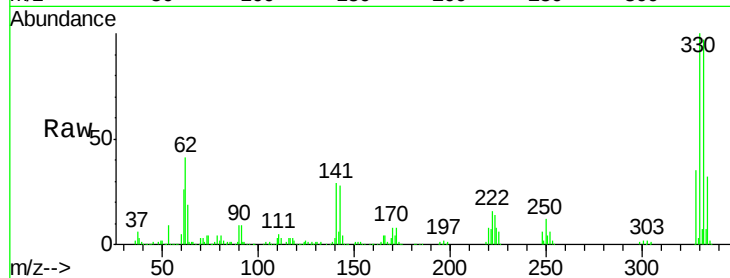




#42
 2,4,6-Tribromophenol
 Concen: 97.462 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. 0.00 min
 Lab File: BF121088.D
 Acq: 29 Jul 2020 00:59

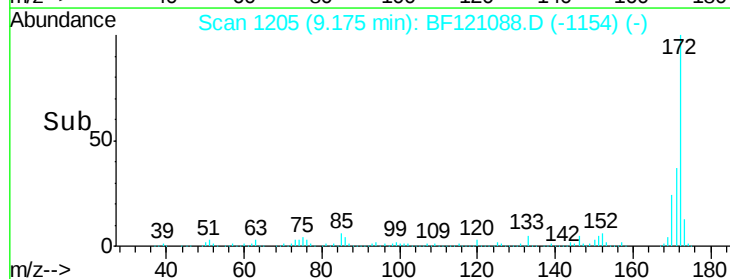
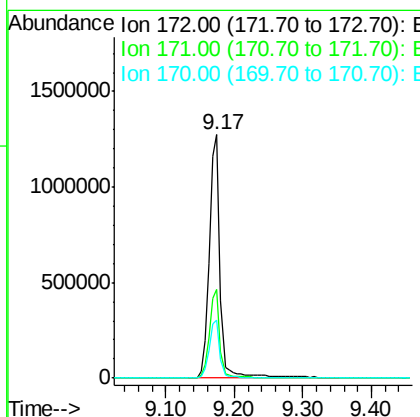
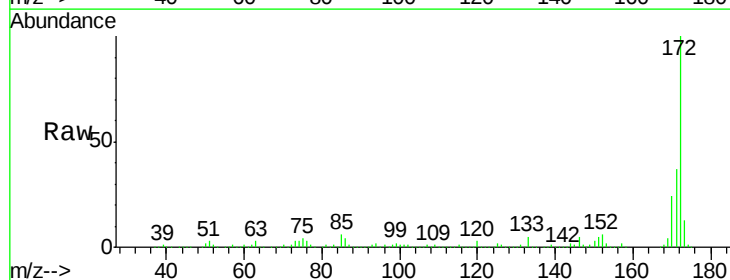
Instrument :
 BNA_F
 ClientSampleId :
 TS1

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.9	75.5	113.3
141	29.5	25.7	38.5



#45
 2-Fluorobiphenyl
 Concen: 57.810 ng
 RT: 9.17 min Scan# 1205
 Delta R.T. 0.00 min
 Lab File: BF121088.D
 Acq: 29 Jul 2020 00:59

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.0	19.6	29.4





#50

Dimethylphthalate

Concen: 7.941 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF121088.D

Acq: 29 Jul 2020 00:59

Instrument :

BNA_F

ClientSampleId :

TS1

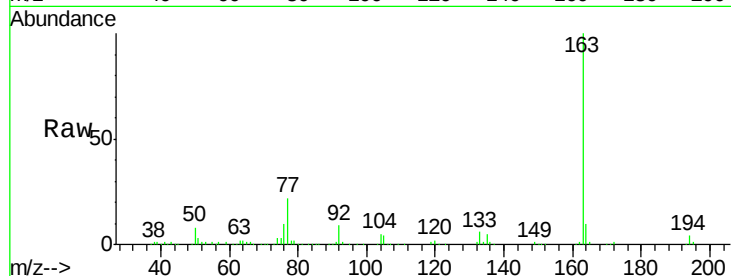
Tot Ion:163 Resp: 211875

Ion Ratio Lower Upper

163 100

194 3.6 3.2 4.8

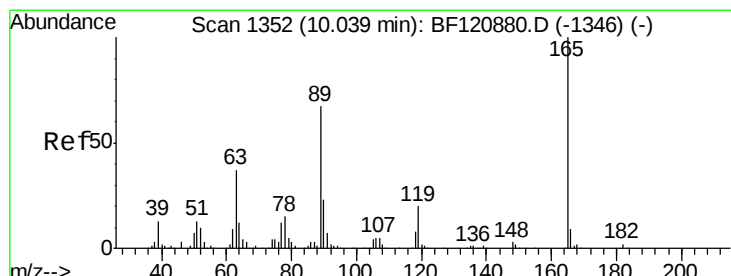
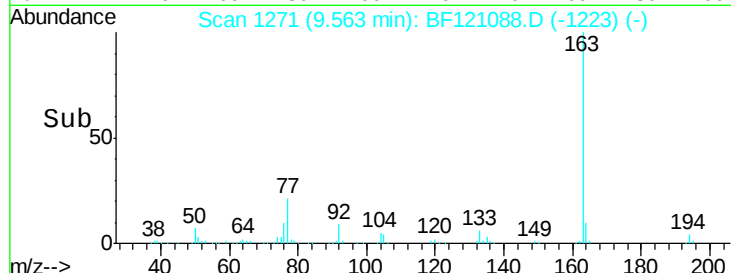
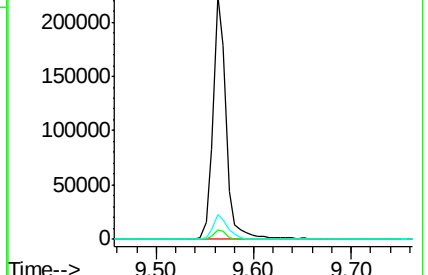
164 10.1 7.9 11.9



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



#57

2,4-Dinitrotoluene

Concen: 6.352 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.19 min

Lab File: BF121088.D

Acq: 29 Jul 2020 00:59

Tgt Ion:165 Resp: 47815

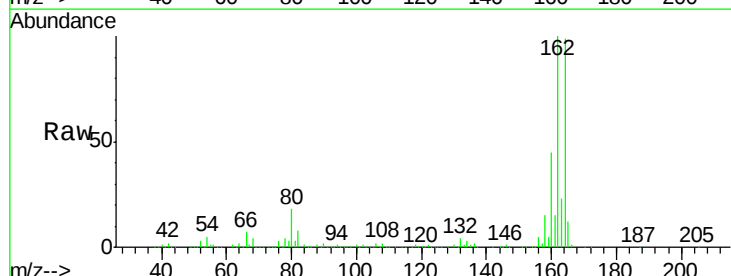
Ion Ratio Lower Upper

165 100

63 1.3 29.4 44.2#

89 1.2 53.4 80.0#

182 0.0 1.8 2.6#

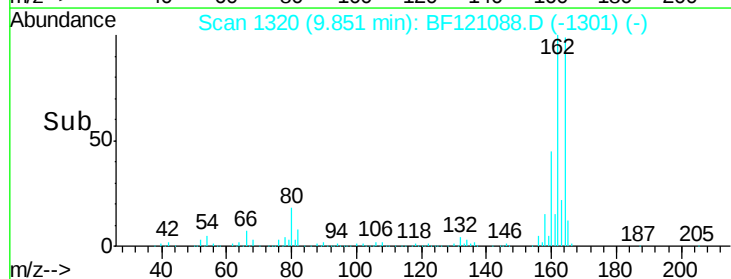
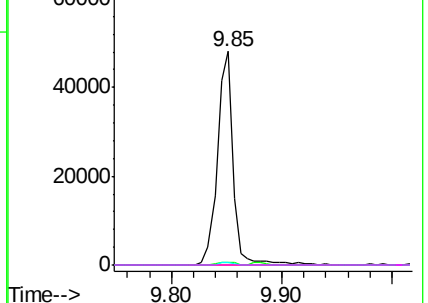


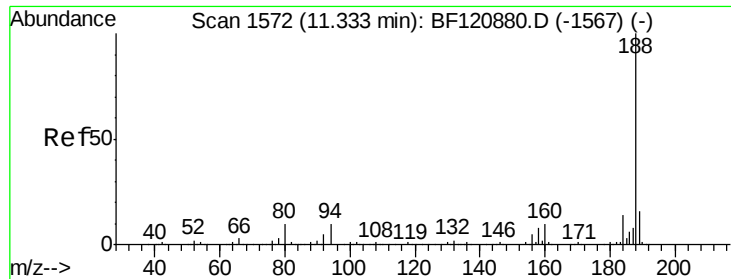
Abundance Ion 165.00 (164.70 to 165.70): E

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

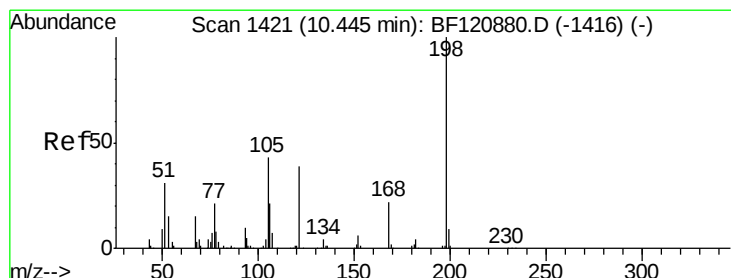
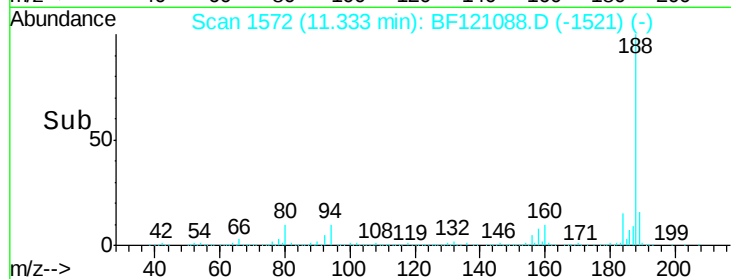
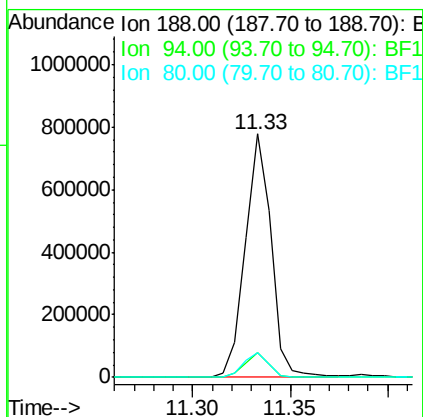
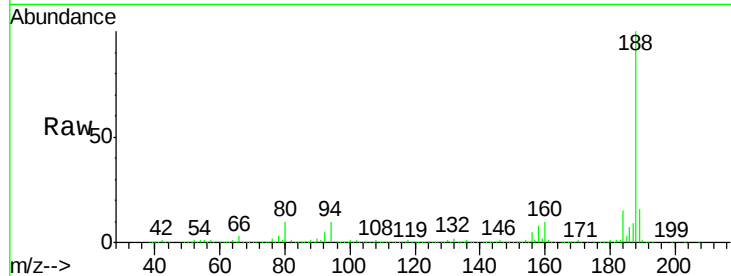




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. 0.00 min
Lab File: BF121088.D
Acq: 29 Jul 2020 00:59

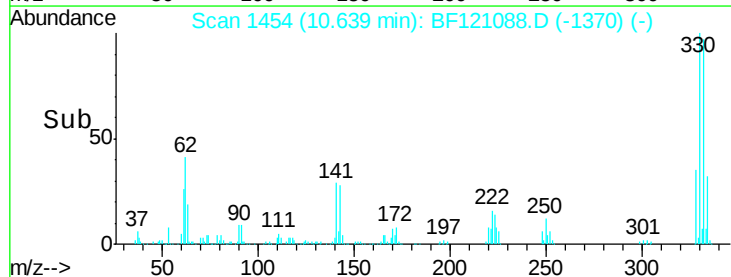
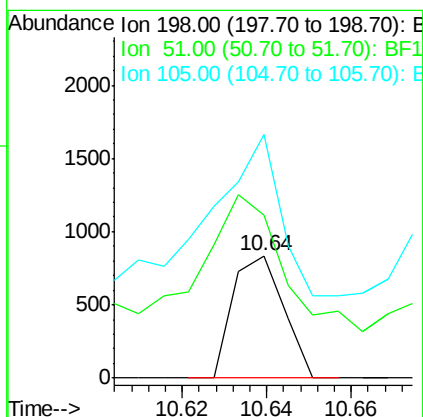
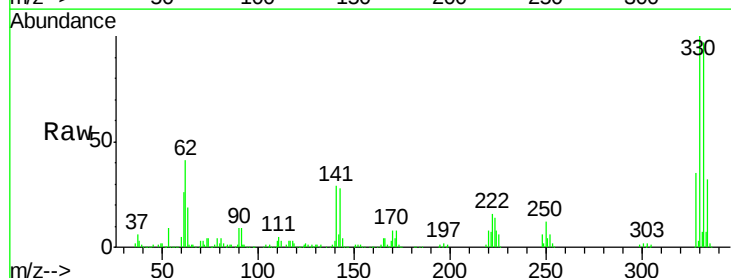
Instrument :
BNA_F
ClientSampleId :
TS1

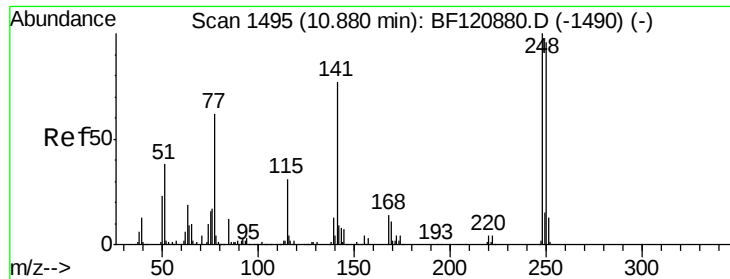
Tot Ion:188 Resp: 718287
Ion Ratio Lower Upper
188 100
94 9.9 8.0 12.0
80 10.1 8.3 12.5



#65
4,6-Dinitro-2-methylphenol
Concen: 3.996 ng
RT: 10.64 min Scan# 1454
Delta R.T. 0.19 min
Lab File: BF121088.D
Acq: 29 Jul 2020 00:59

Tgt Ion:198 Resp: 695
Ion Ratio Lower Upper
198 100
51 133.8 19.5 59.5#
105 199.2 24.4 64.4#

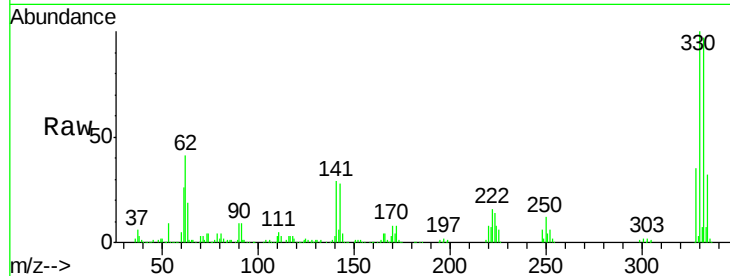




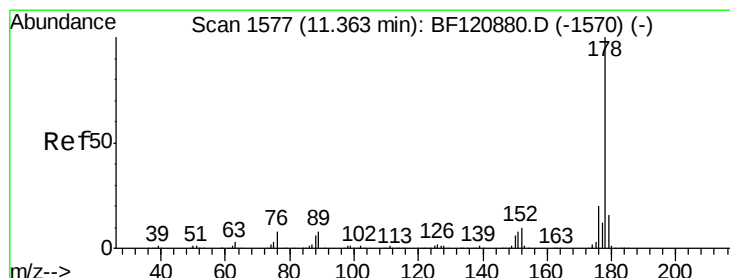
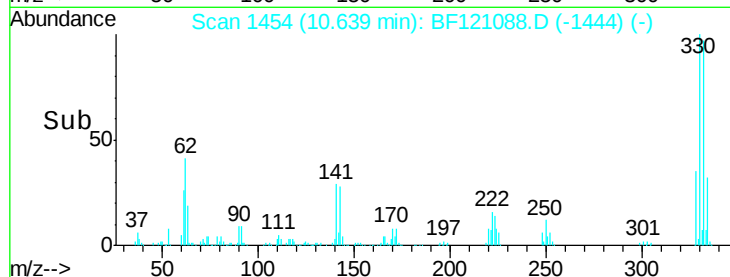
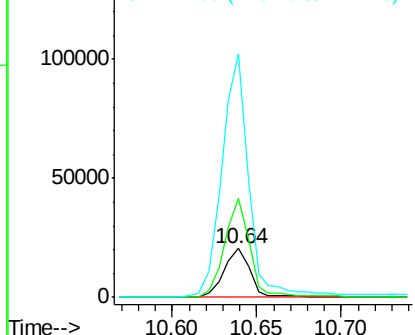
#67
 4-Bromophenyl-phenylether
 Concen: 2.755 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.24 min
 Lab File: BF121088.D
 Acq: 29 Jul 2020 00:59

Instrument :
 BNA_F
 ClientSampleId :
 TS1

Tot Ion:248 Resp: 22060
 Ion Ratio Lower Upper
 248 100
 250 204.4 77.1 115.7#
 141 502.0 61.2 91.8#

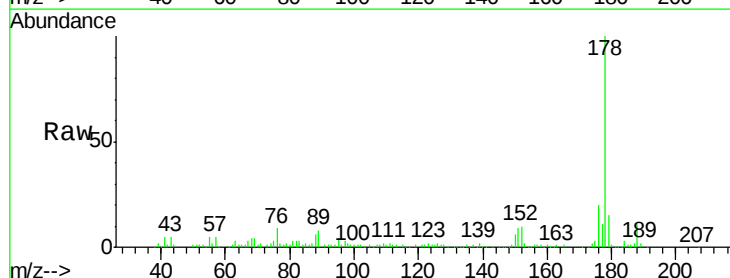


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

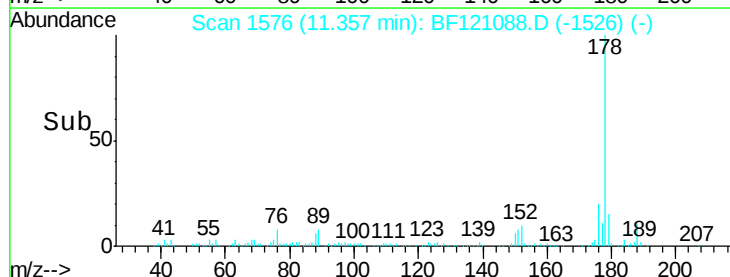
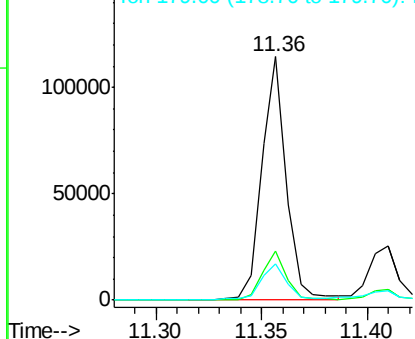


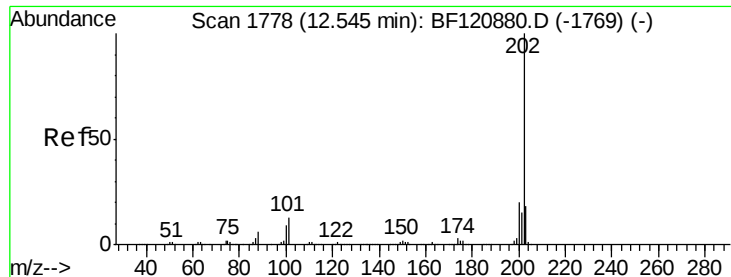
#71
 Phenanthrene
 Concen: 2.497 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF121088.D
 Acq: 29 Jul 2020 00:59

Tgt Ion:178 Resp: 92231
 Ion Ratio Lower Upper
 178 100
 176 20.3 16.2 24.4
 179 15.1 12.8 19.2



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

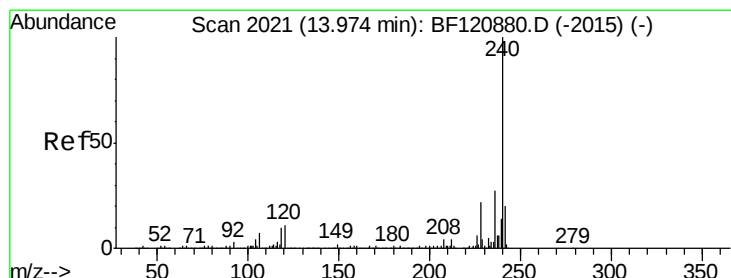
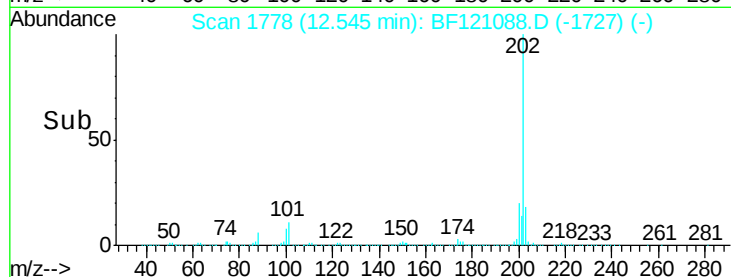
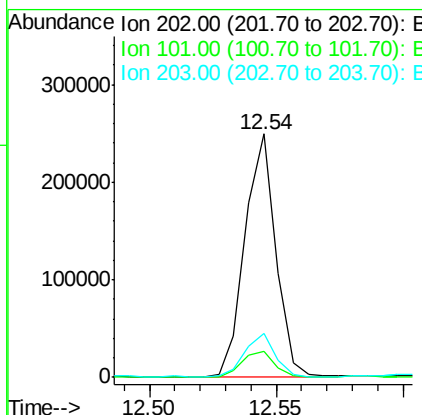
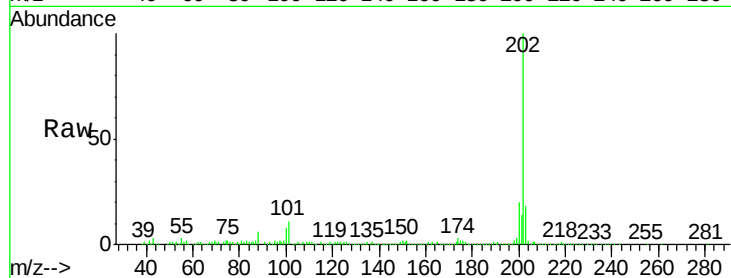




#75
Fluoranthene
Concen: 5.150 ng
RT: 12.54 min Scan# 1778
Delta R.T. 0.00 min
Lab File: BF121088.D
Acq: 29 Jul 2020 00:59

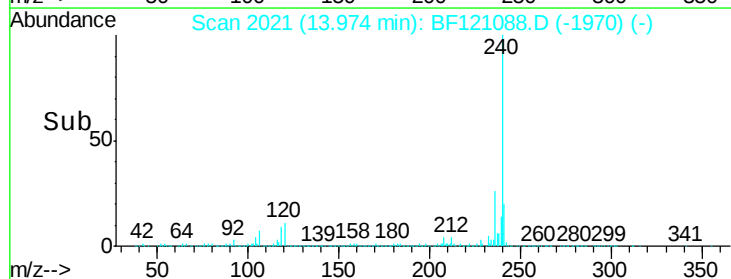
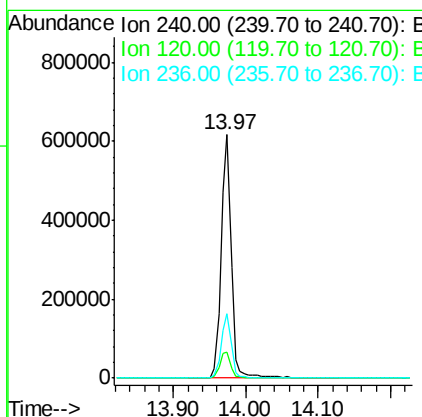
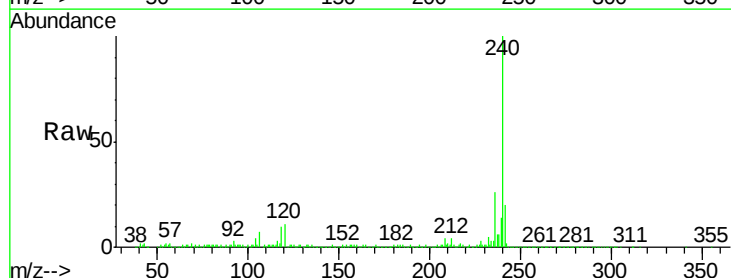
Instrument :
BNA_F
ClientSampleId :
TS1

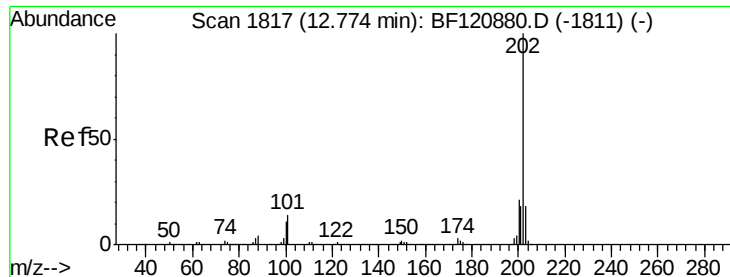
Tot Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	32.7
203	18.0	0.0	38.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF121088.D
Acq: 29 Jul 2020 00:59

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.0	13.4
236	26.3	21.7	32.5





#78

Pvrene

Concen: 5.114 ng

RT: 12.77 min Scan# 1817

Delta R.T. 0.00 min

Lab File: BF121088.D

Acq: 29 Jul 2020 00:59

Instrument :

BNA_F

ClientSampleId :

TS1

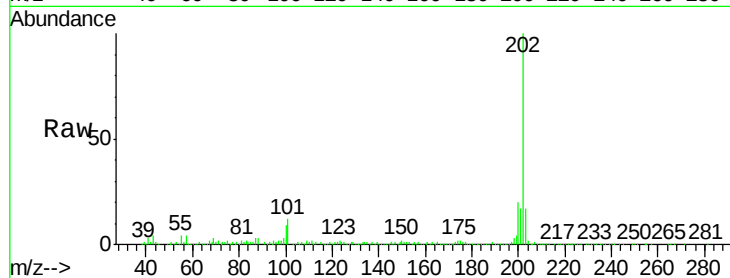
Tot Ion:202 Resp: 213927

Ion Ratio Lower Upper

202 100

200 19.6 17.0 25.4

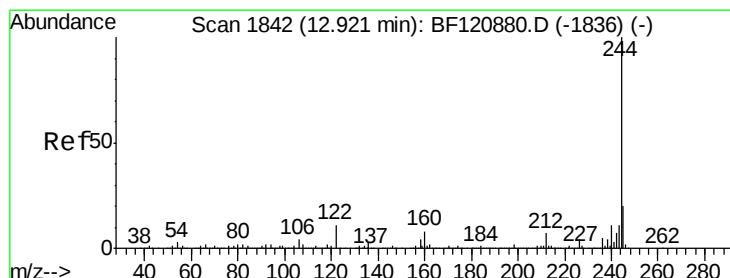
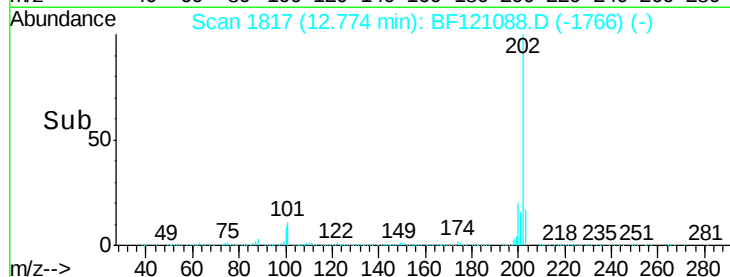
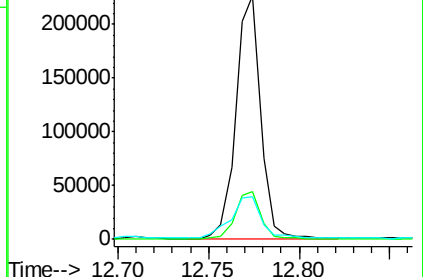
203 17.5 14.4 21.6



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: 56.075 ng

RT: 12.92 min Scan# 1842

Delta R.T. 0.00 min

Lab File: BF121088.D

Acq: 29 Jul 2020 00:59

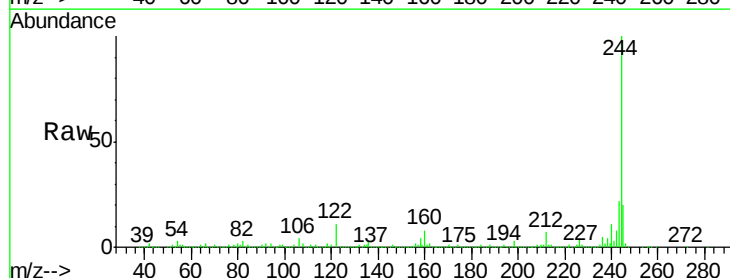
Tgt Ion:244 Resp: 1526394

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

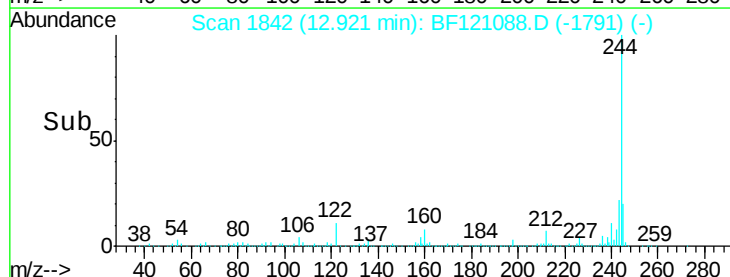
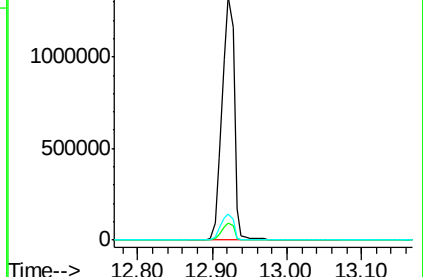
122 10.8 8.9 13.3

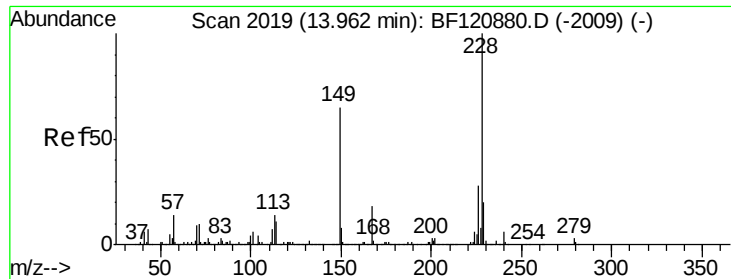


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

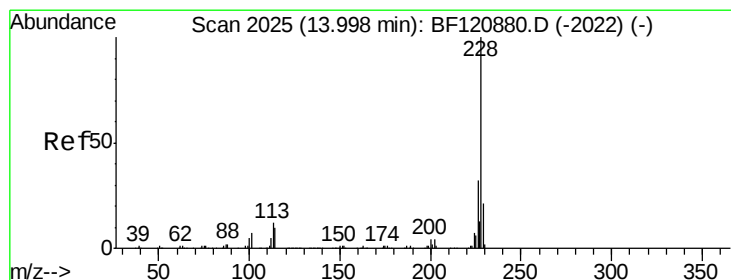
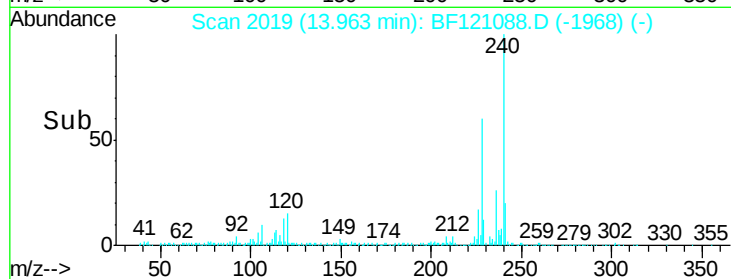
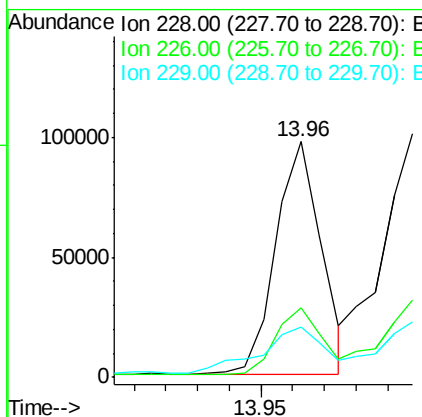
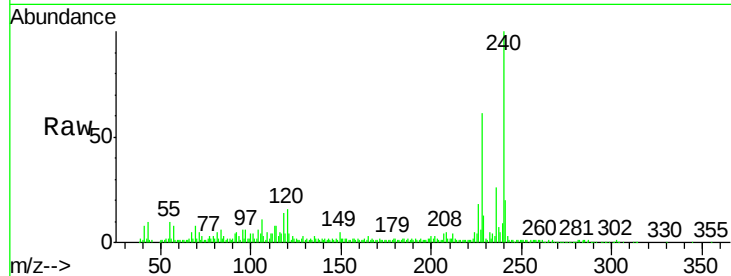




#81
Benzo(a)anthracene
Concen: 2.700 ng
RT: 13.96 min Scan# 2019
Delta R.T. 0.00 min
Lab File: BF121088.D
Acq: 29 Jul 2020 00:59

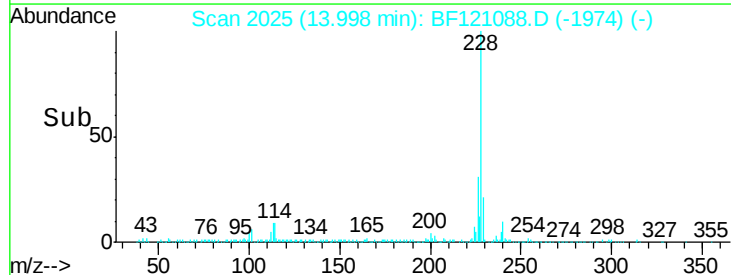
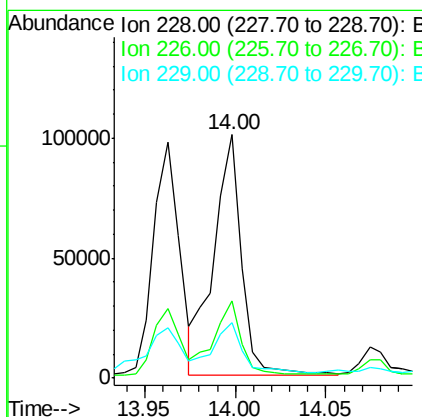
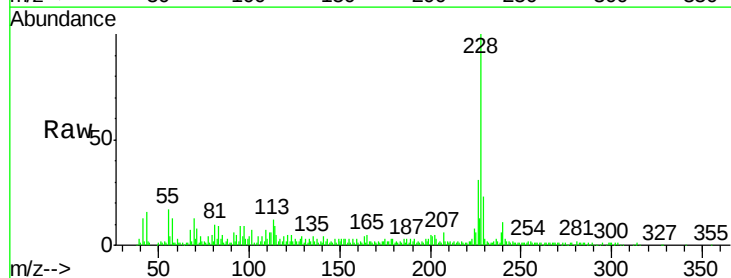
Instrument :
BNA_F
ClientSampleId :
TS1

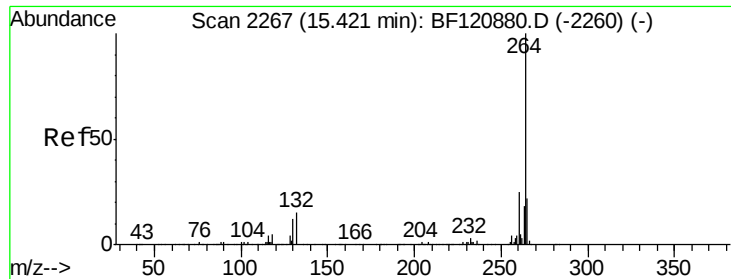
Tot Ion:228 Resp: 96751
Ion Ratio Lower Upper
228 100
226 29.5 22.3 33.5
229 21.6 16.1 24.1



#83
Chrysene
Concen: 2.836 ng
RT: 14.00 min Scan# 2025
Delta R.T. 0.00 min
Lab File: BF121088.D
Acq: 29 Jul 2020 00:59

Tgt Ion:228 Resp: 106786
Ion Ratio Lower Upper
228 100
226 31.5 25.6 38.4
229 23.0 16.8 25.2



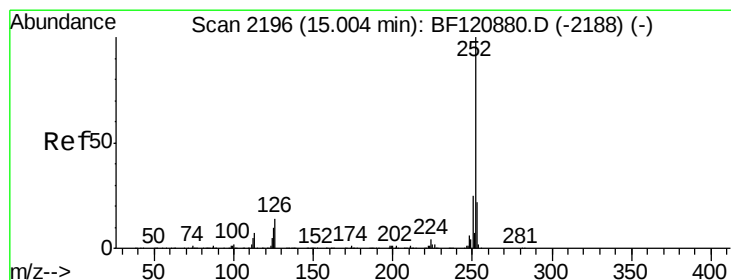
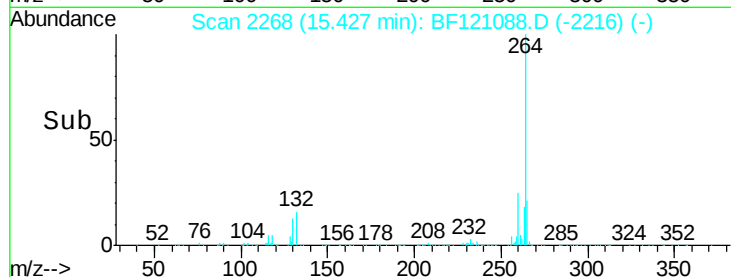
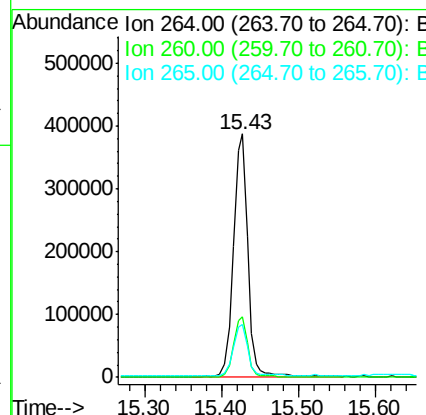
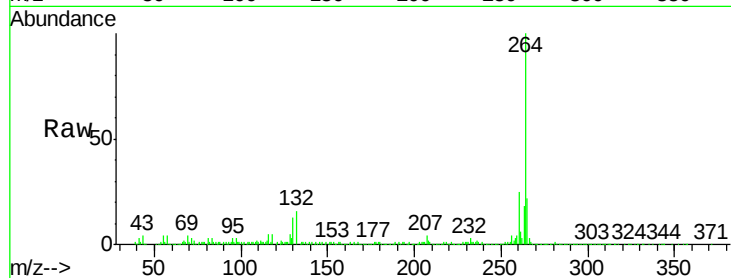


#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2268
Delta R.T. 0.01 min
Lab File: BF121088.D
Acq: 29 Jul 2020 00:59

Instrument :
BNA_F
ClientSampleId :
TS1

Tot Ion:264 Resp: 501159

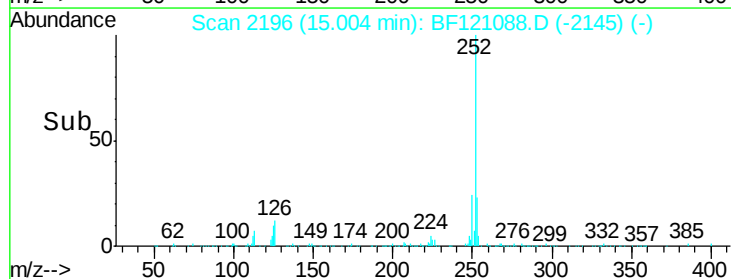
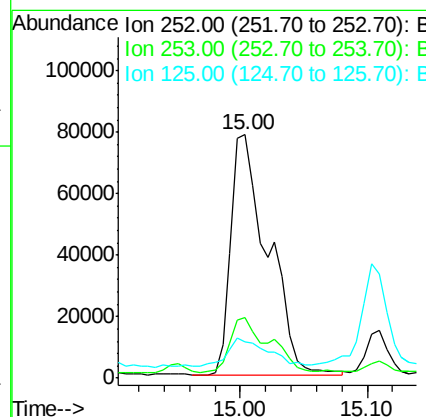
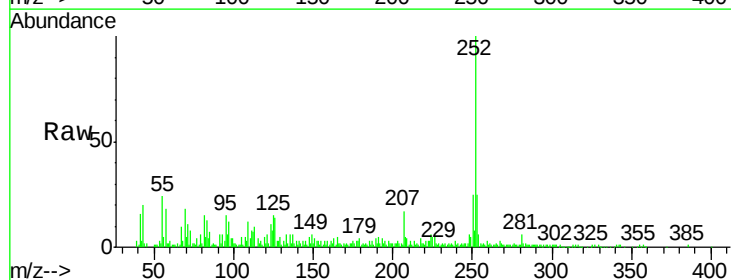
Ion	Ratio	Lower	Upper
264	100		
260	24.9	20.0	30.0
265	21.8	17.4	26.2

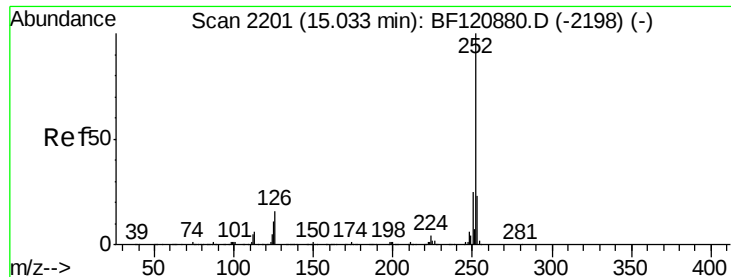


#88
Benzo(b)fluoranthene
Concen: 5.240 ng
RT: 15.00 min Scan# 2196
Delta R.T. 0.00 min
Lab File: BF121088.D
Acq: 29 Jul 2020 00:59

Tgt Ion:252 Resp: 158748

Ion	Ratio	Lower	Upper
252	100		
253	25.0	18.0	27.0
125	14.8	8.3	12.5#

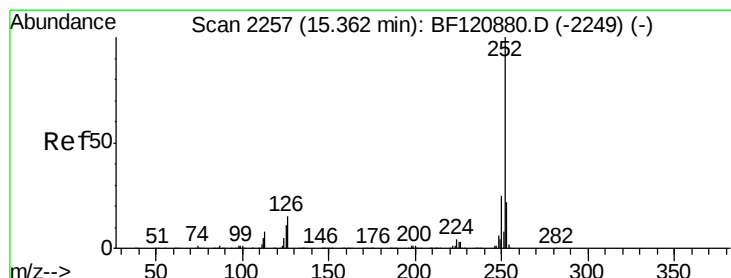
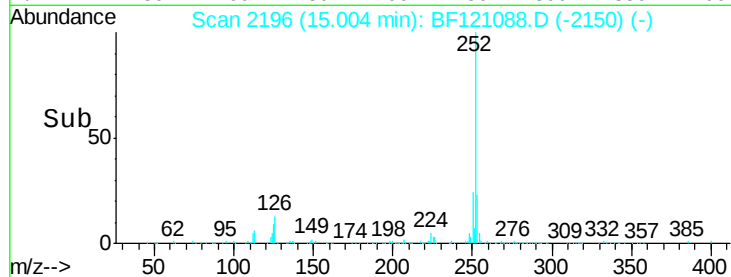
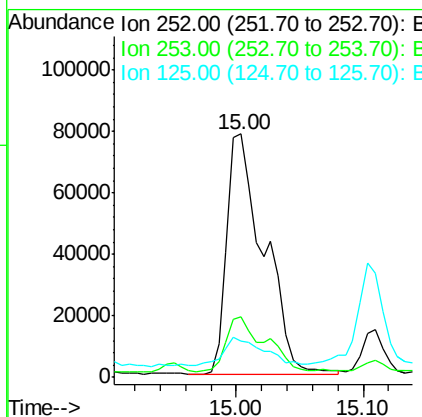
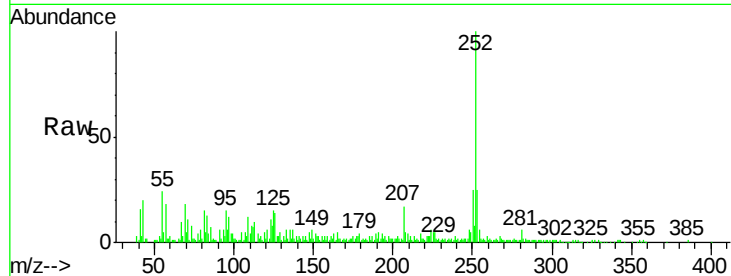




#89
Benzo(k)fluoranthene
Concen: 5.746 ng
RT: 15.00 min Scan# 2196
Delta R.T. -0.03 min
Lab File: BF121088.D
Acq: 29 Jul 2020 00:59

Instrument :
BNA_F
ClientSampleId :
TS1

Tot Ion:252 Resp: 158748
Ion Ratio Lower Upper
252 100
253 25.0 18.2 27.2
125 14.8 8.4 12.6#



#90
Benzo(a)pyrene
Concen: 2.961 ng
RT: 15.36 min Scan# 2256
Delta R.T. -0.01 min
Lab File: BF121088.D
Acq: 29 Jul 2020 00:59

Tgt Ion:252 Resp: 81831
Ion Ratio Lower Upper
252 100
253 25.3 17.8 26.8
125 16.1 8.9 13.3#

