

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042120\
 Data File : BF120103.D
 Acq On : 21 Apr 2020 15:41
 Operator : MA/SJ
 Sample : L2342-05
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-18-COMP

Quant Time: Apr 21 16:25:36 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Apr 21 13:48:22 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	121515	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	469493	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	234961	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	446196	20.00	ng	0.00
76) Chrysene-d12	13.86	240	279449	20.00	ng	-0.01
87) Perylene-d12	15.27	264	236690	20.00	ng	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.29	112	668336	95.05	ng	0.00
7) Phenol-d6	6.33	99	915936	101.09	ng	0.00
23) Nitrobenzene-d5	7.26	82	585753	64.54	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	240615	83.64	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1149965	69.49	ng	0.00
79) Terphenyl-d14	12.81	244	1183910	71.29	ng	0.00

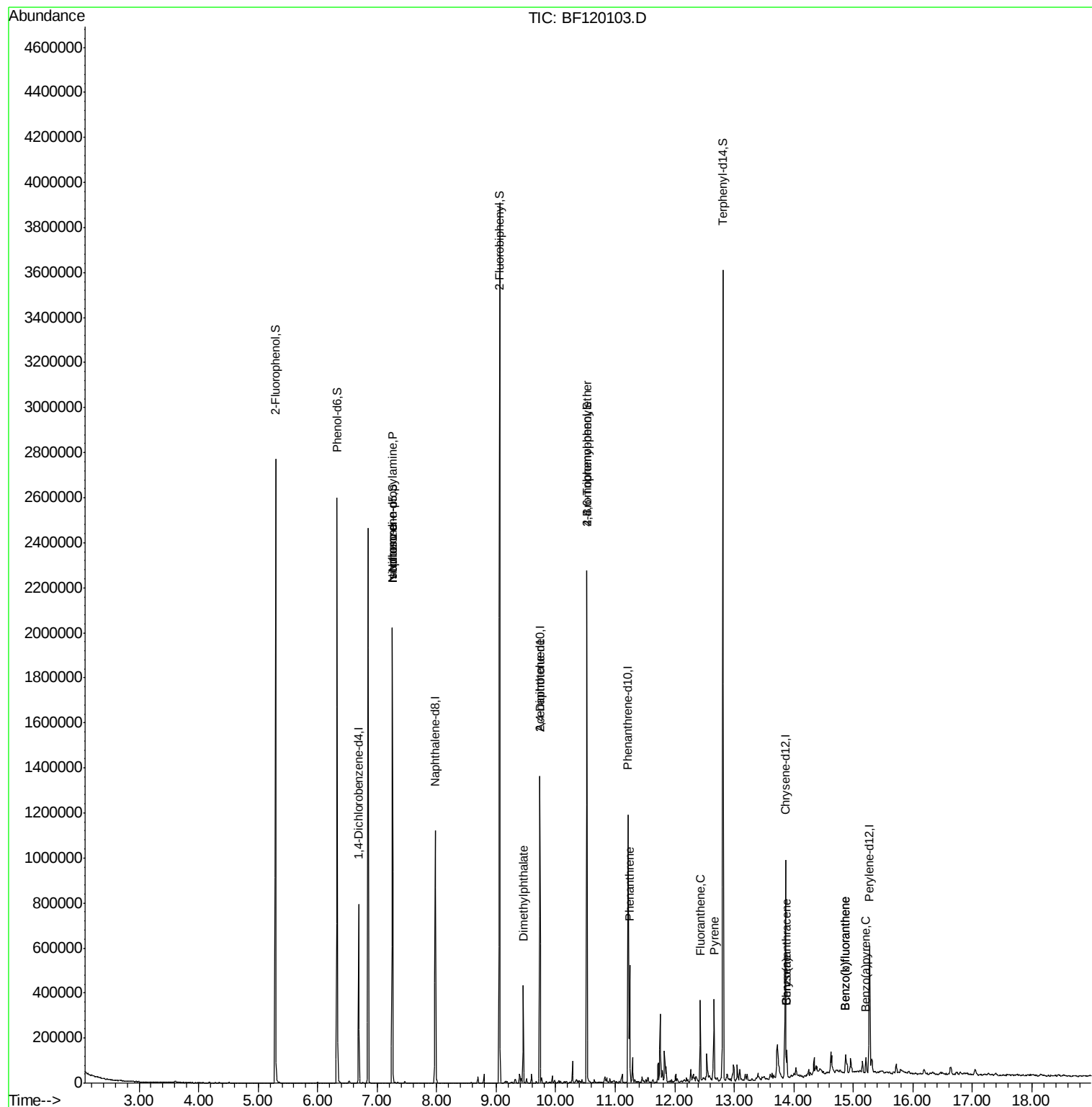
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.33	77	1137	Below Cal		# 1
19) n-Nitroso-di-n-propylamine	7.26	70	76725	13.169	ng	# 78
25) Isophorone	7.26	82	585748	33.482	ng	# 65
50) Dimethylphthalate	9.45	163	156828	8.629	ng	100
57) 2,4-Dinitrotoluene	9.73	165	30646	5.845	ng	# 23
67) 4-Bromophenyl-phenylether	10.52	248	15711	2.831	ng	# 1
71) Phenanthrene	11.24	178	174345	7.342	ng	100
75) Fluoranthene	12.43	202	137354	5.361	ng	97
78) Pyrene	12.66	202	138753	5.890	ng	98
81) Benzo(a)anthracene	13.88	228	44334	2.412	ng	98
83) Chrysene	13.88	228	44334	2.373	ng	98
88) Benzo(b)fluoranthene	14.87	252	54402	3.195	ng	# 95
89) Benzo(k)fluoranthene	14.87	252	54402	3.703	ng	# 95
90) Benzo(a)pyrene	15.21	252	32980	2.304	ng	96

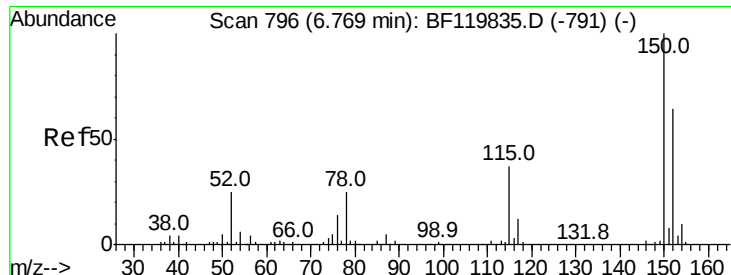
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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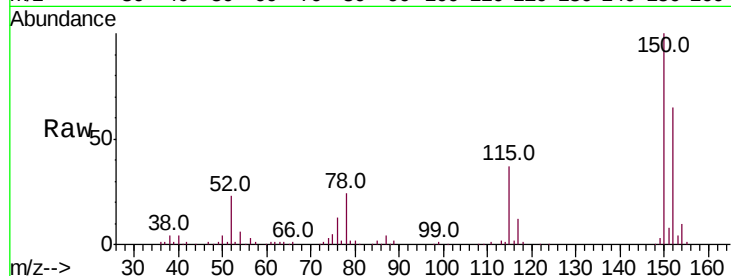


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.69 min Scan# 783
 Delta R.T. 0.00 min
 Lab File: BF120103.D
 Acq: 21 Apr 2020 15:41

Instrument :
 BNA_F
 ClientSampleId :
 TP-18-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.3	124.8	187.2
115	57.5	46.5	69.7

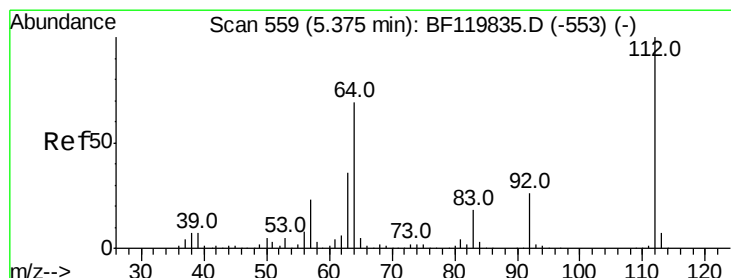
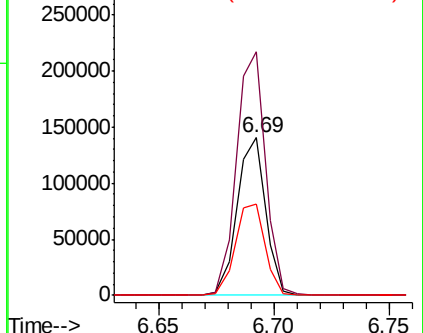
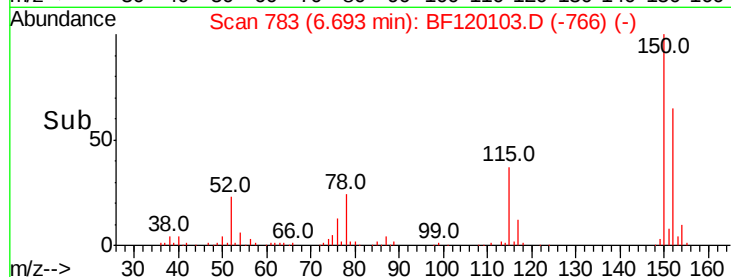


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

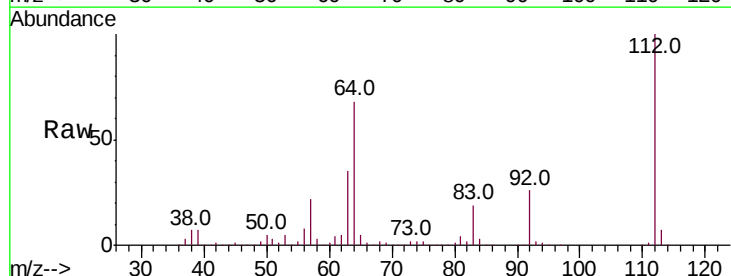
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
 Concen: 95.051 ng
 RT: 5.29 min Scan# 545
 Delta R.T. 0.00 min
 Lab File: BF120103.D
 Acq: 21 Apr 2020 15:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	68.4	55.5	83.3
63	35.0	29.1	43.7

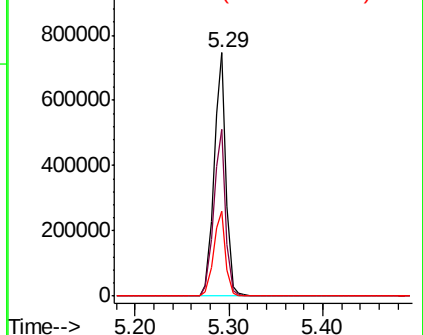
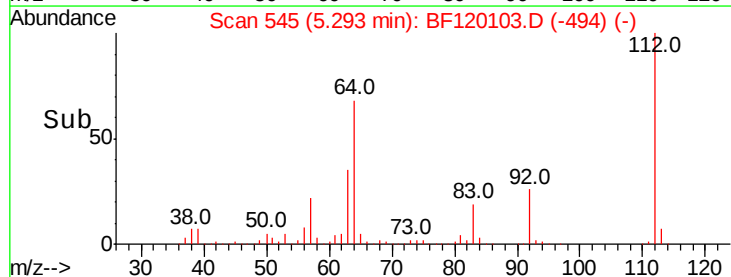


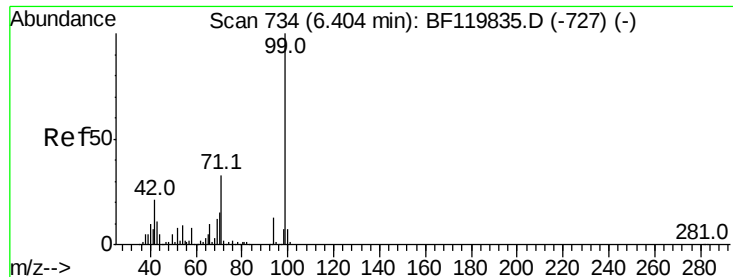
Abundance

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: 101.094 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

Instrument :

BNA_F

ClientSampleId :

TP-18-COMP

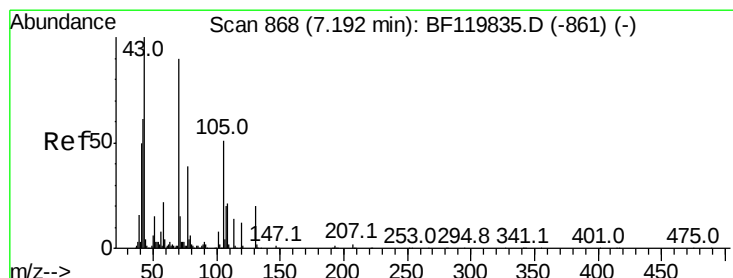
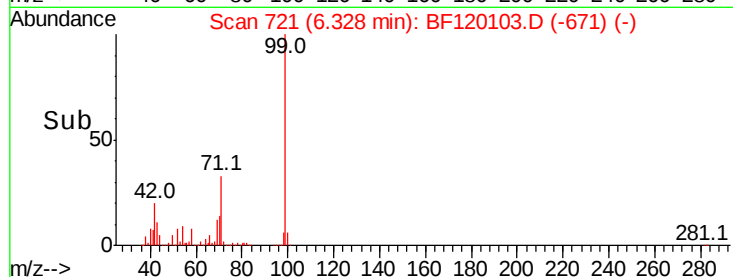
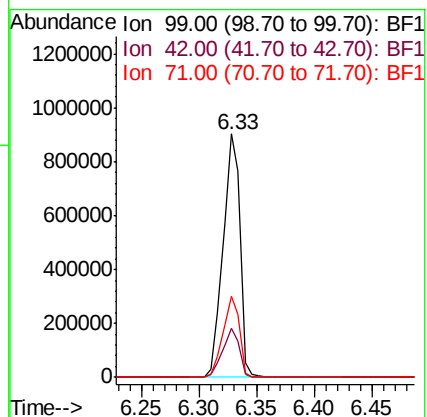
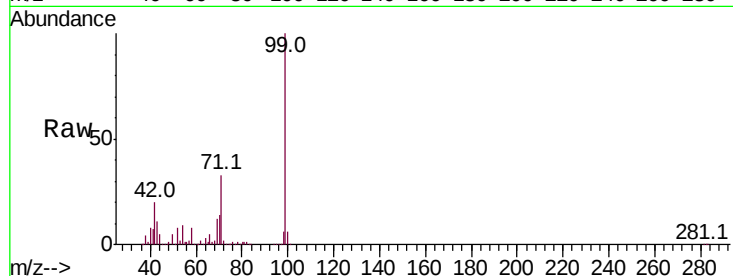
Tot Ion: 99 Resp: 915936

Ion Ratio Lower Upper

99 100

42 20.3 16.9 25.3

71 33.1 26.3 39.5



#19

n-Nitroso-di-n-propylamine

Concen: 13.169 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

Tgt Ion: 70 Resp: 76725

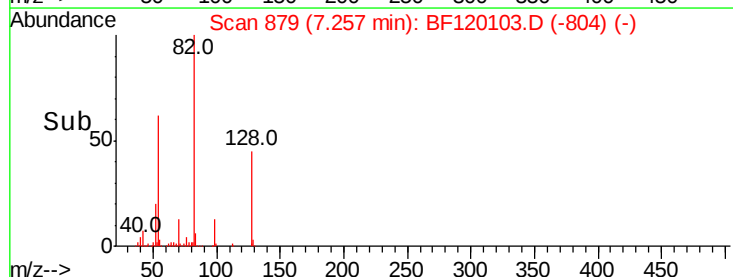
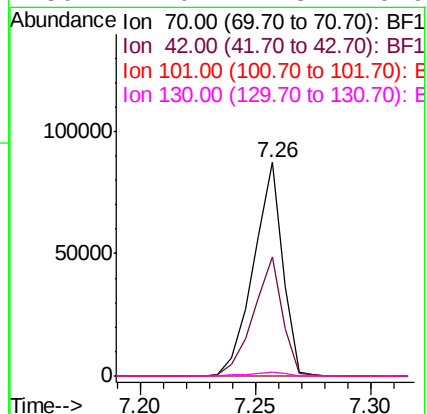
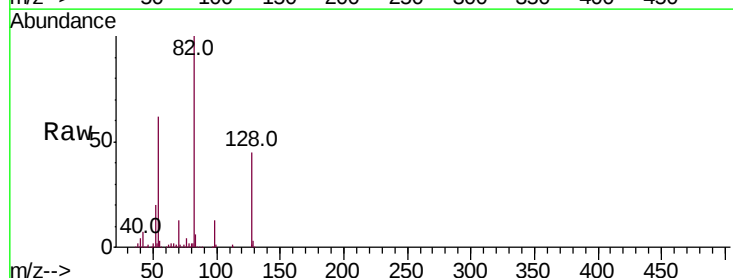
Ion Ratio Lower Upper

70 100

42 55.5 54.2 81.4

101 0.0 7.4 11.2#

130 2.0 17.8 26.6#

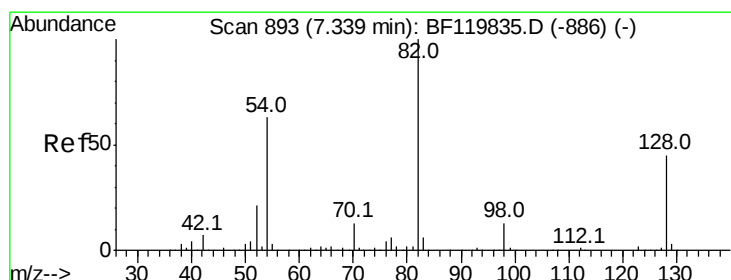
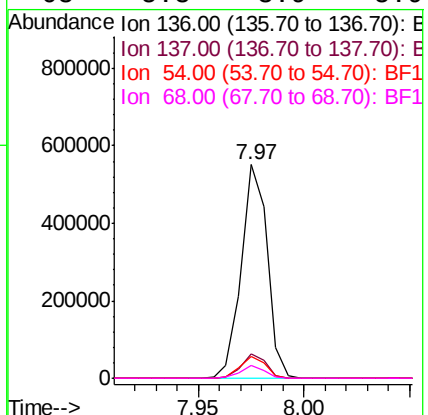
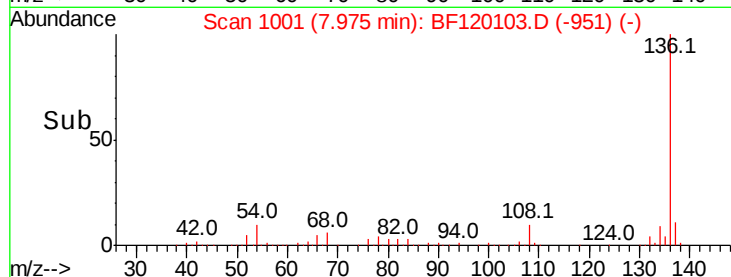
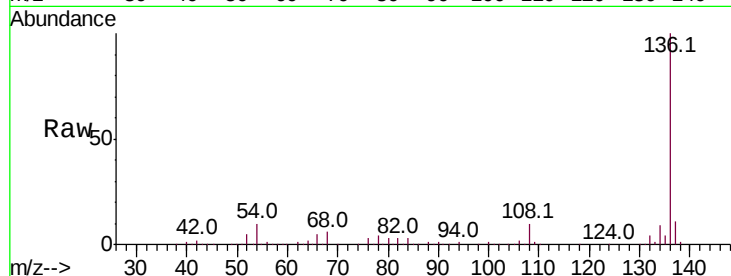




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF120103.D
Acq: 21 Apr 2020 15:41

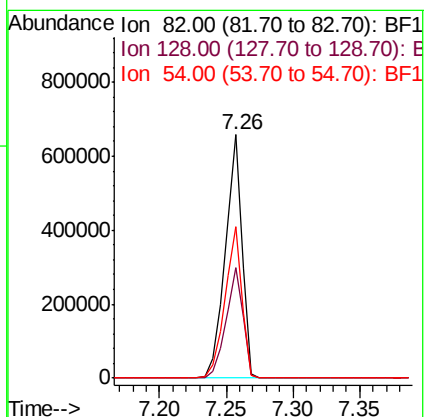
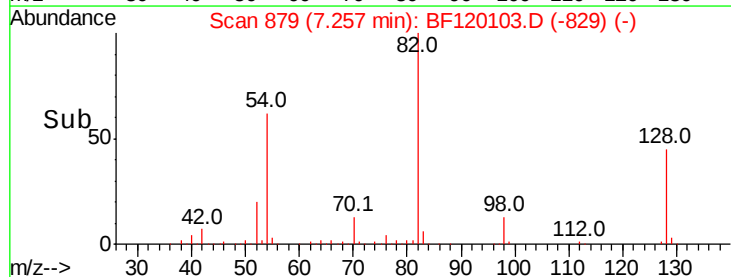
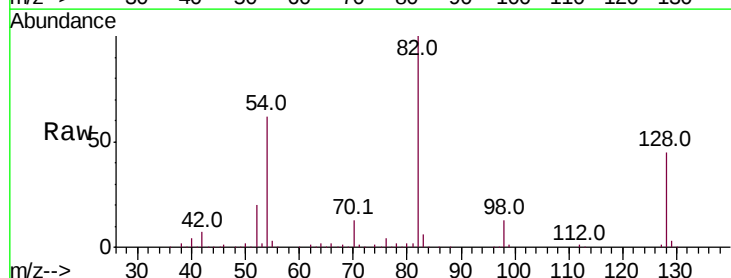
Instrument :
BNA_F
ClientSampleId :
TP-18-COMP

Tot Ion:	136	Resp:	469493
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.7	13.1
54	10.2	8.5	12.7
68	5.8	3.9	5.9



#23
Nitrobenzene-d5
Concen: 64.544 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF120103.D
Acq: 21 Apr 2020 15:41

Tgt Ion:	82	Resp:	585753
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.2	54.4
54	62.2	50.4	75.6





#25

Isophorone

Concen: 33.482 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

Instrument :

BNA_F

ClientSampleId :

TP-18-COMP

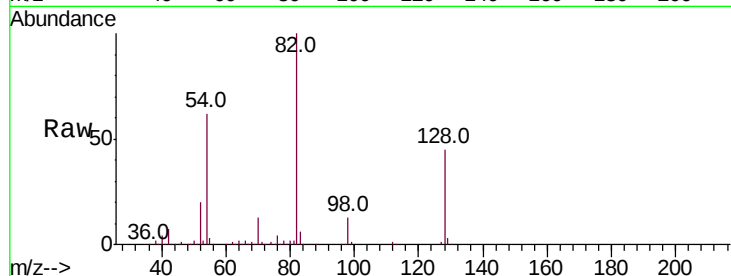
Tot Ion: 82 Resp: 585748

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

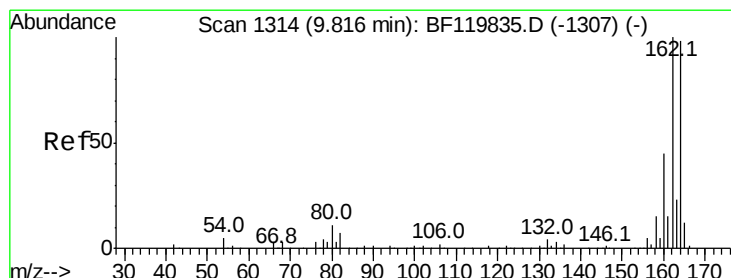
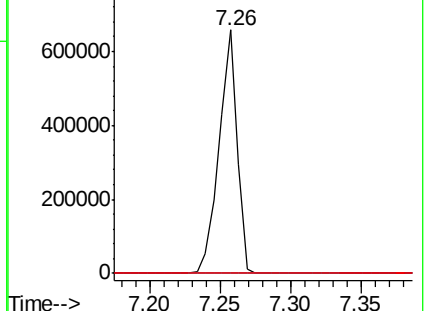
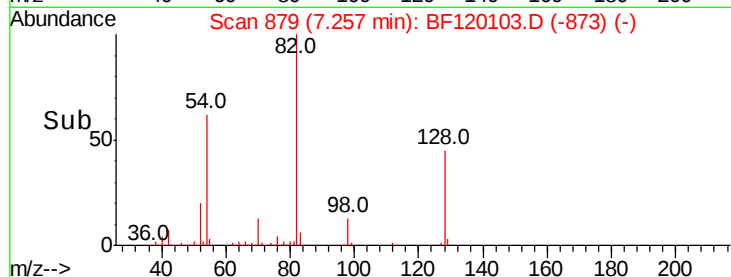
138 0.0 14.5 21.7#



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: 9.73 min Scan# 1300

Delta R.T. -0.01 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

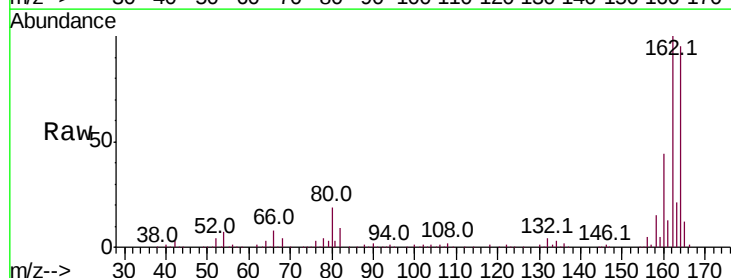
Tgt Ion:164 Resp: 234961

Ion Ratio Lower Upper

164 100

162 105.1 81.9 122.9

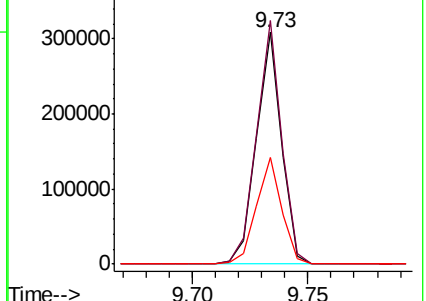
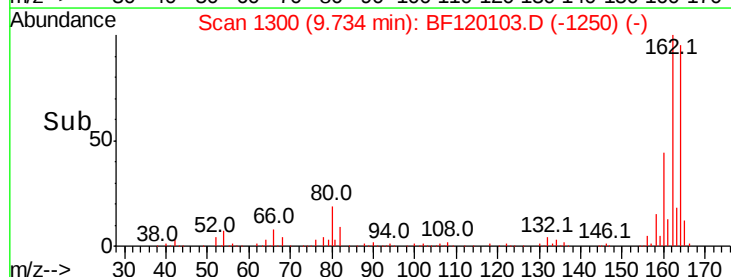
160 46.3 36.6 54.8

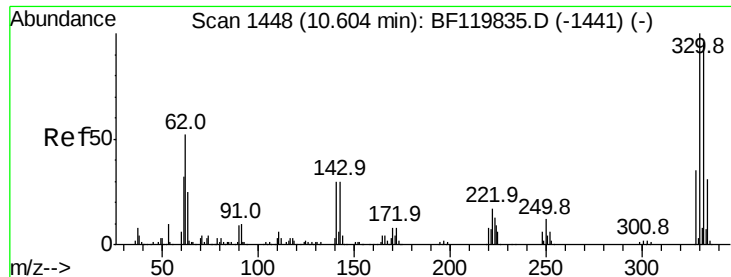


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

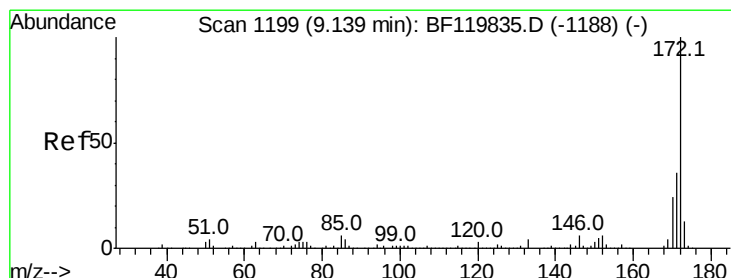
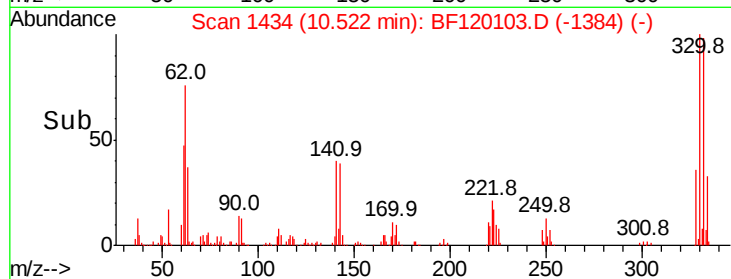
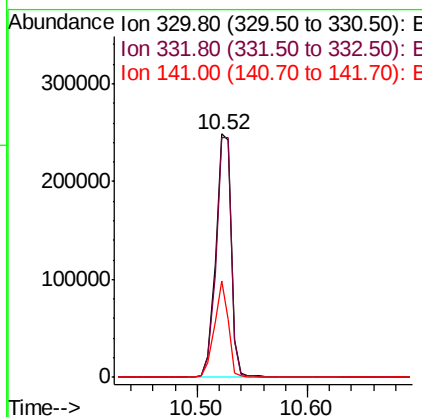
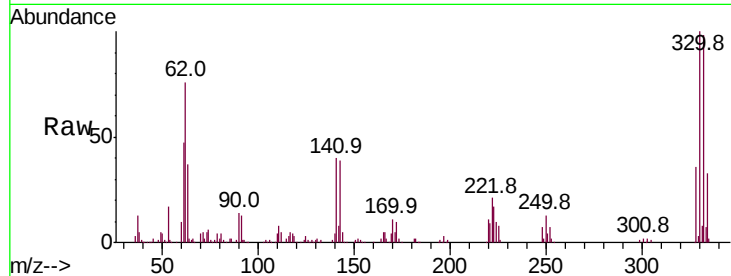




#42
 2,4,6-Tribromophenol
 Concen: 83.642 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF120103.D
 Acq: 21 Apr 2020 15:41

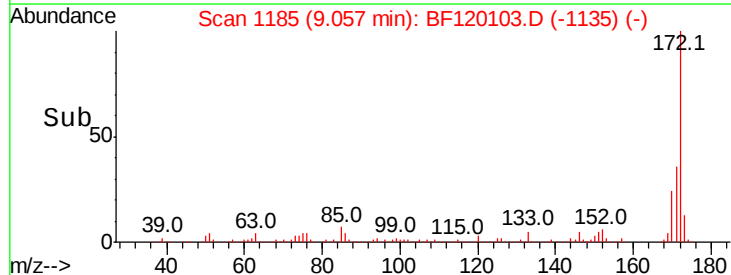
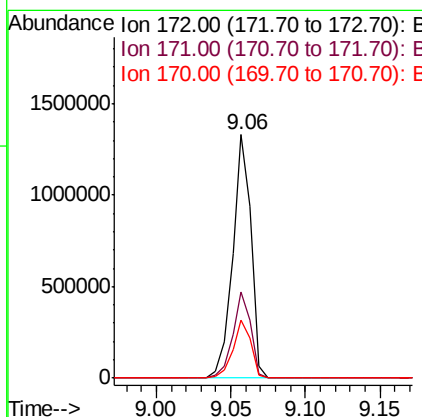
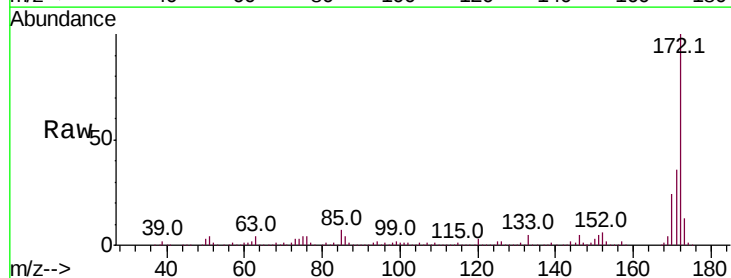
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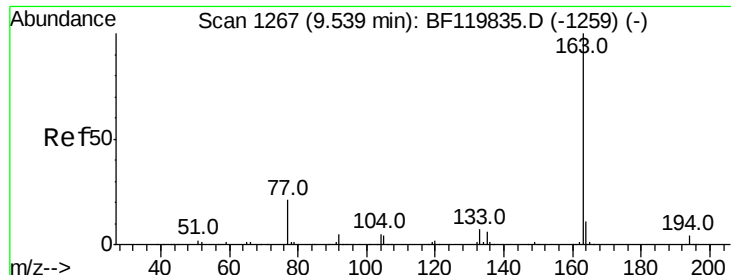
Tot Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.8	115.2
141	35.1	25.1	37.7



#45
 2-Fluorobiphenyl
 Concen: 69.488 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF120103.D
 Acq: 21 Apr 2020 15:41

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.9	43.3
170	23.6	19.4	29.2

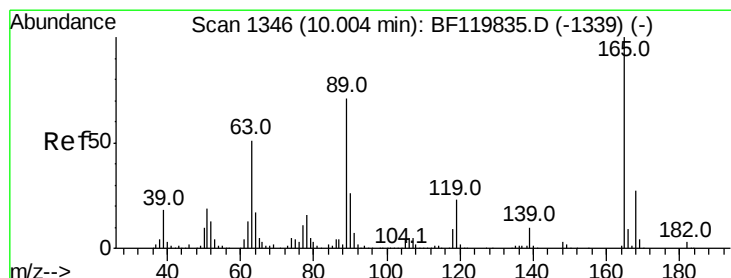
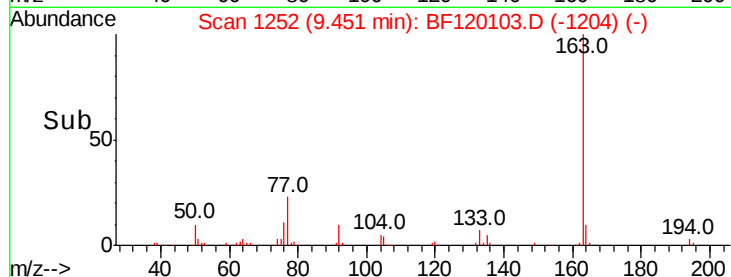
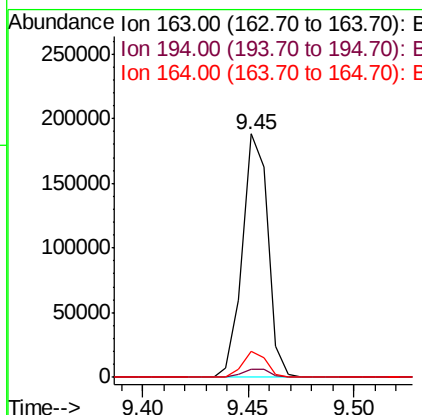
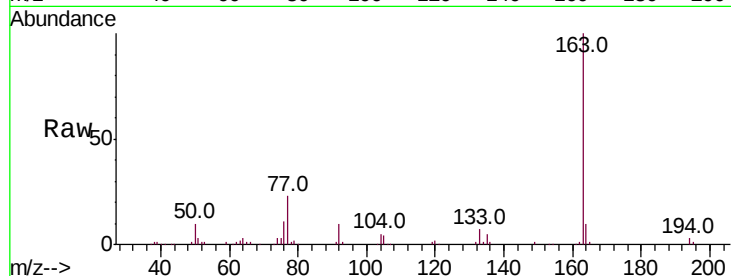




#50
Dimethylphthalate
Concen: 8.629 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.02 min
Lab File: BF120103.D
Acq: 21 Apr 2020 15:41

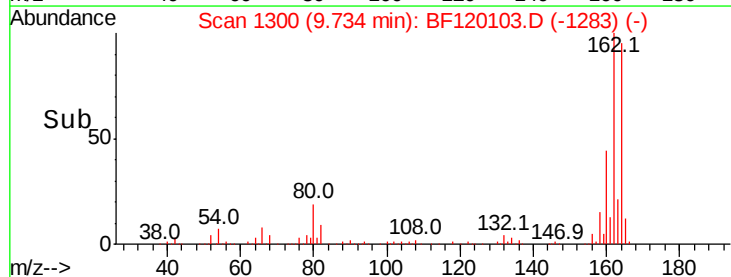
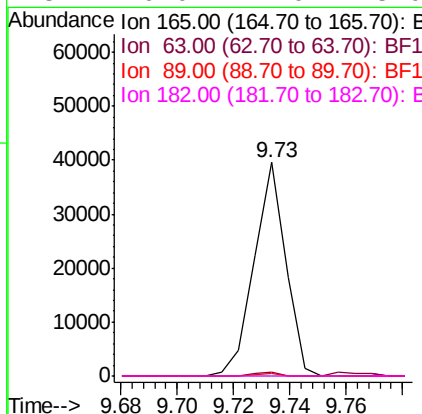
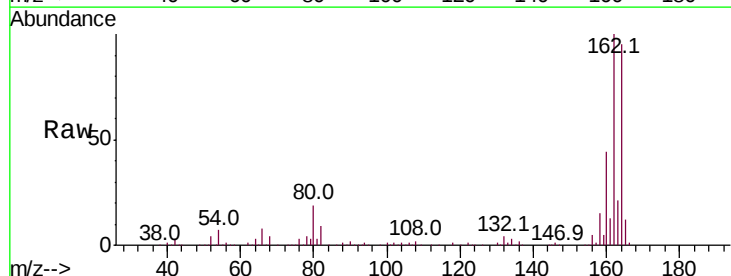
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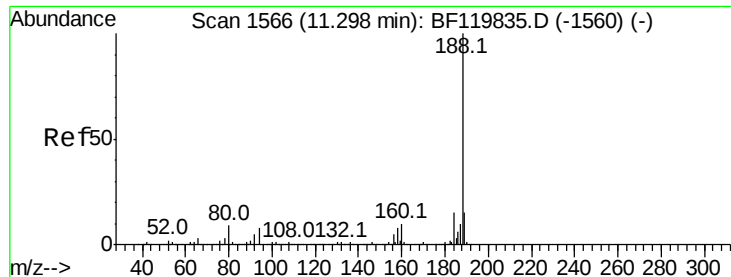
Tot Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.0	4.4
164	10.5	8.4	12.6



#57
2,4-Dinitrotoluene
Concen: 5.845 ng
RT: 9.73 min Scan# 1300
Delta R.T. -0.20 min
Lab File: BF120103.D
Acq: 21 Apr 2020 15:41

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	40.8	61.2#
89	1.3	56.9	85.3#
182	0.0	2.0	3.0#

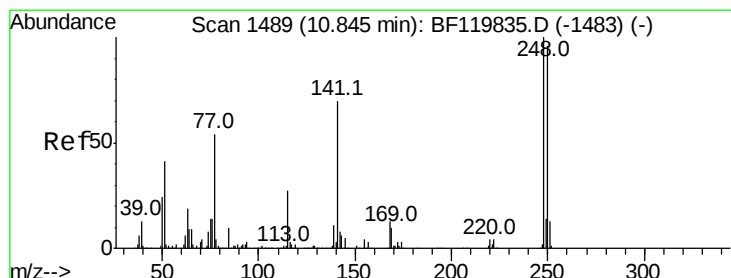
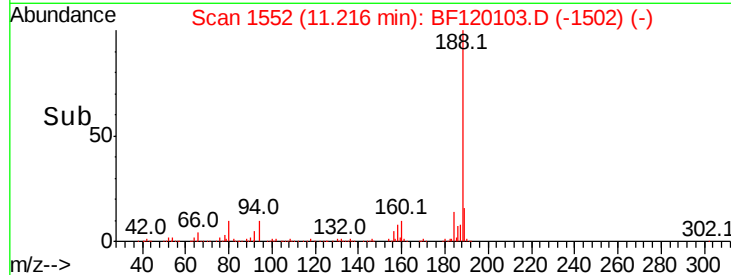
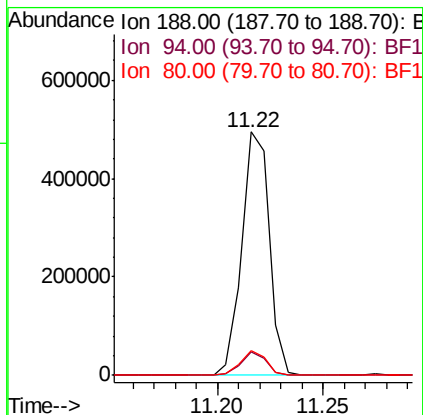
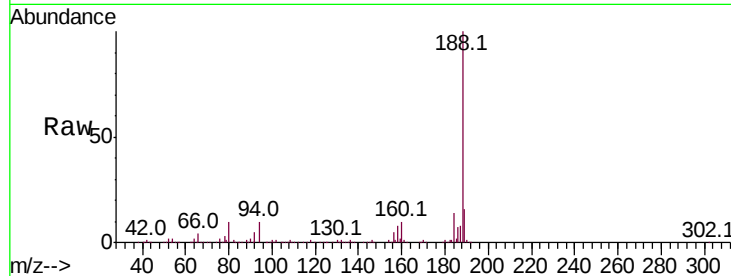




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF120103.D
 Acq: 21 Apr 2020 15:41

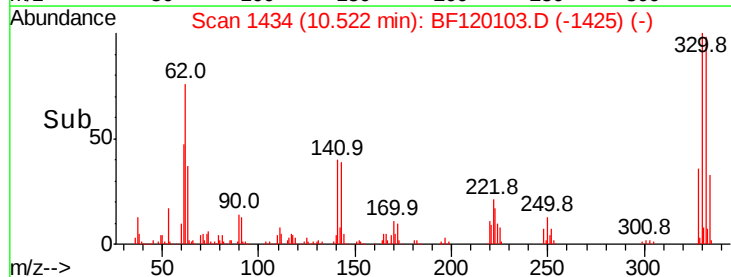
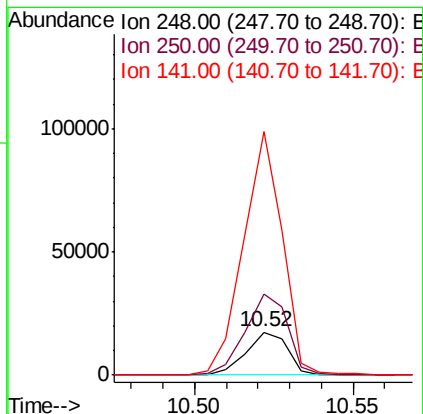
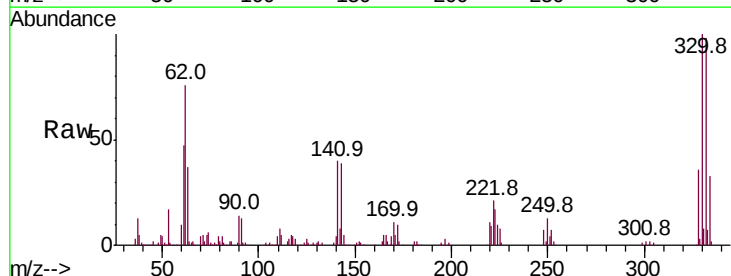
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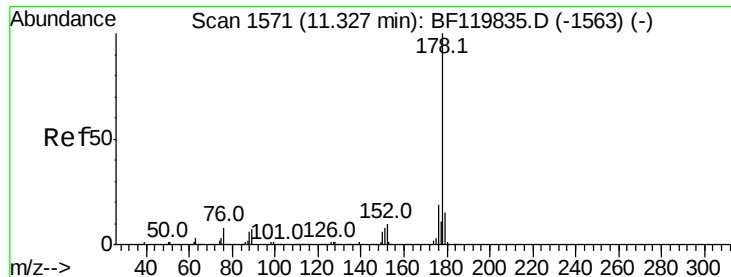
Tot Ion:188 Resp: 446196
 Ion Ratio Lower Upper
 188 100
 94 9.7 6.7 10.1
 80 9.9 7.4 11.2



#67
 4-Bromophenyl-phenylether
 Concen: 2.831 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF120103.D
 Acq: 21 Apr 2020 15:41

Tgt Ion:248 Resp: 15711
 Ion Ratio Lower Upper
 248 100
 250 189.4 76.6 114.8#
 141 566.2 55.9 83.9#





#71

Phenanthrene

Concen: 7.342 ng

RT: 11.24 min Scan# 1556

Delta R.T. -0.01 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

Instrument :

BNA_F

ClientSampleId :

TP-18-COMP

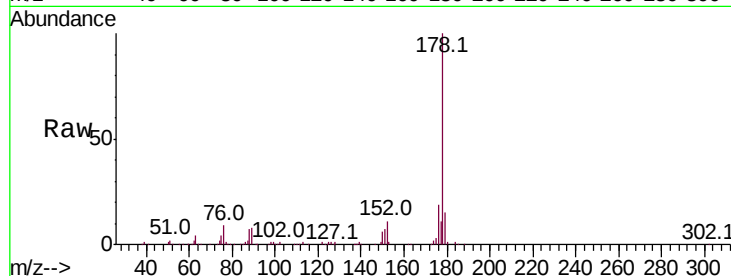
Tot Ion:178 Resp: 174345

Ion Ratio Lower Upper

178 100

176 18.6 15.1 22.7

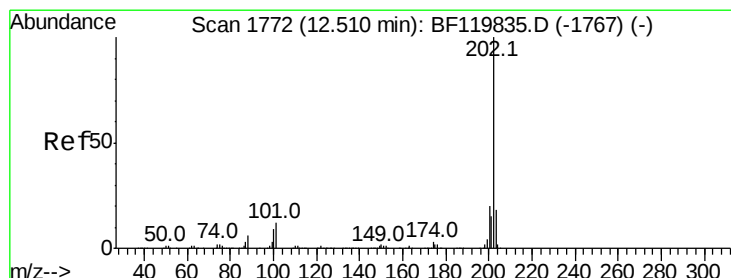
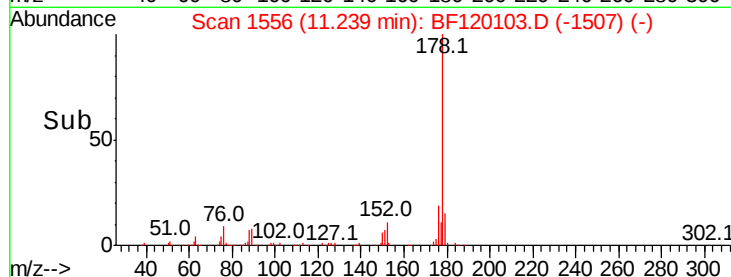
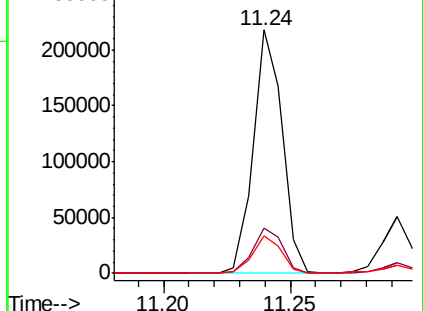
179 15.3 12.2 18.4



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



#75

Fluoranthene

Concen: 5.361 ng

RT: 12.43 min Scan# 1758

Delta R.T. -0.01 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

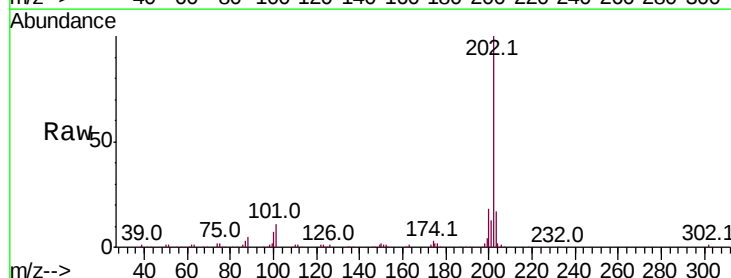
Tgt Ion:202 Resp: 137354

Ion Ratio Lower Upper

202 100

101 10.6 0.0 32.3

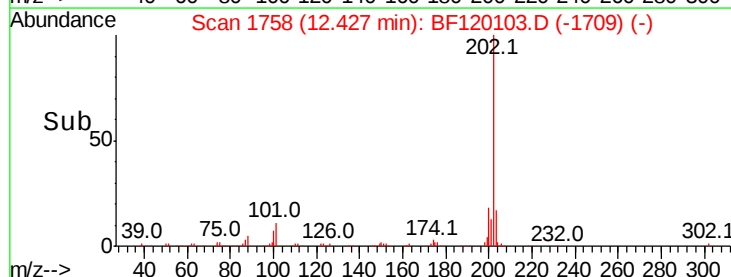
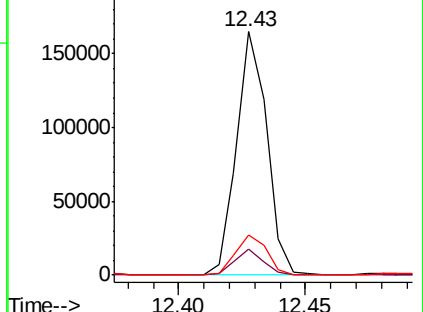
203 16.7 0.0 37.6

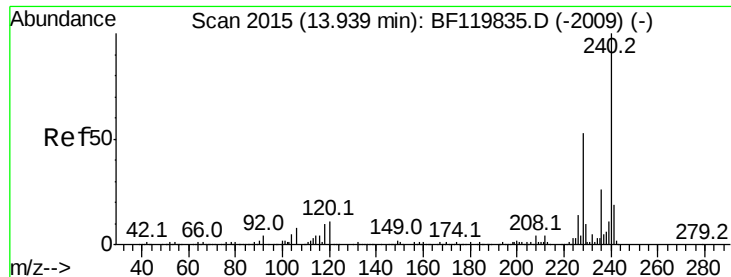


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.86 min Scan# 2001

Delta R.T. -0.01 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

Instrument :

BNA_F

ClientSampleId :

TP-18-COMP

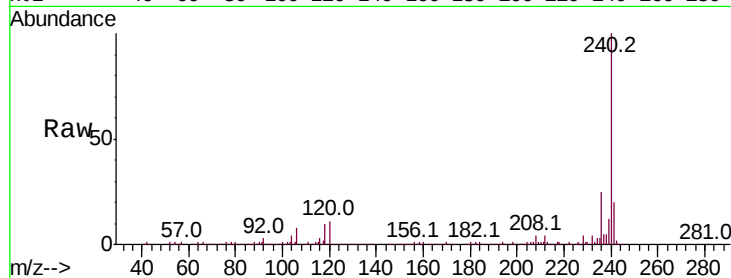
Tot Ion:240 Resp: 279449

Ion Ratio Lower Upper

240 100 9.0 13.6

120 10.7 20.7 31.1

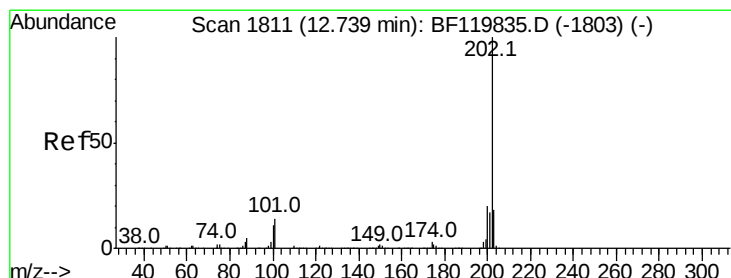
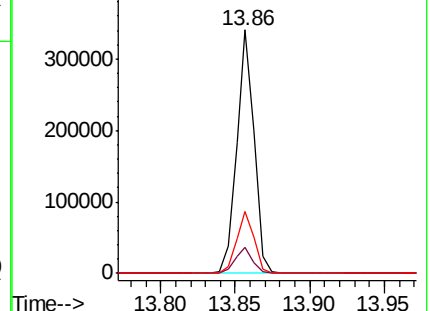
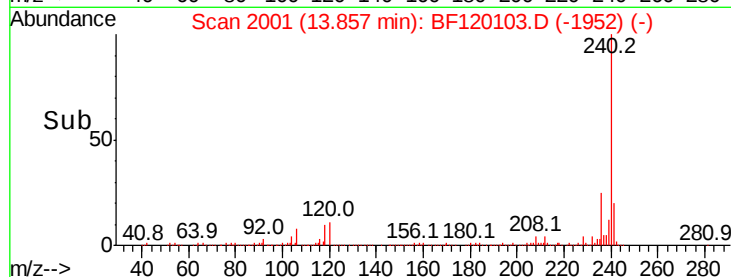
236 25.2



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: 5.890 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

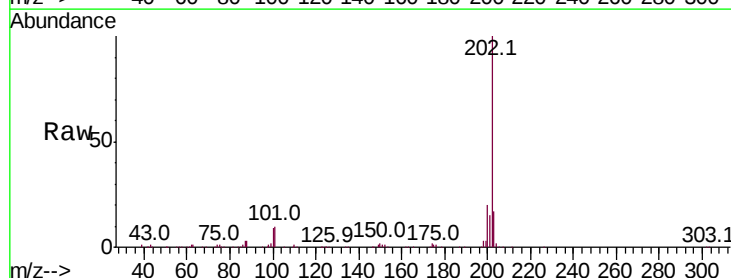
Tgt Ion:202 Resp: 138753

Ion Ratio Lower Upper

202 100 16.2 24.2

200 19.7 14.1 21.1

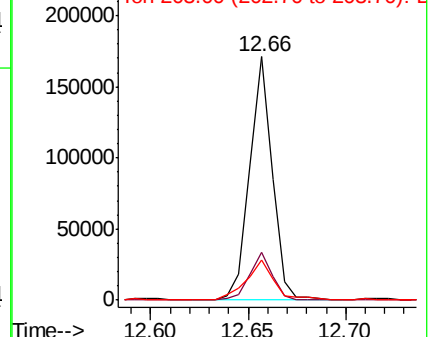
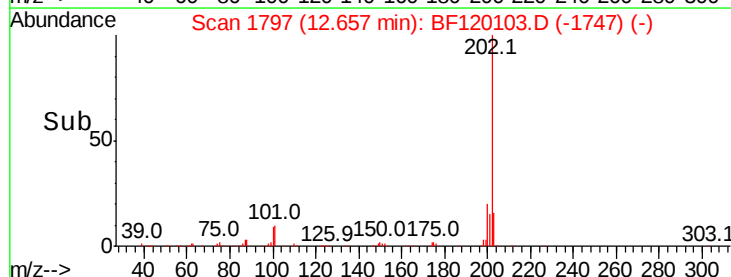
203 16.6

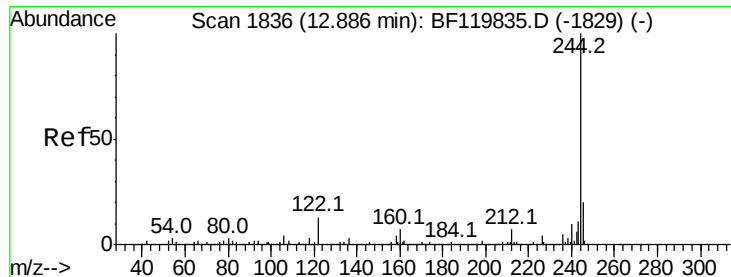


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 71.287 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

Instrument :

BNA_F

ClientSampleId :

TP-18-COMP

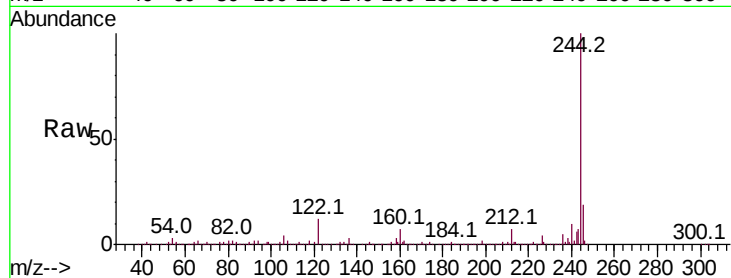
Tot Ion:244 Resp: 1183910

Ion Ratio Lower Upper

244 100

212 7.0 5.4 8.0

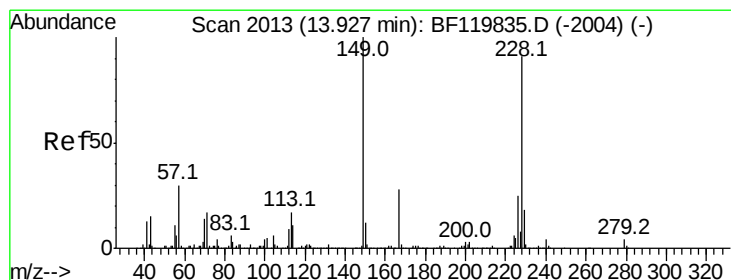
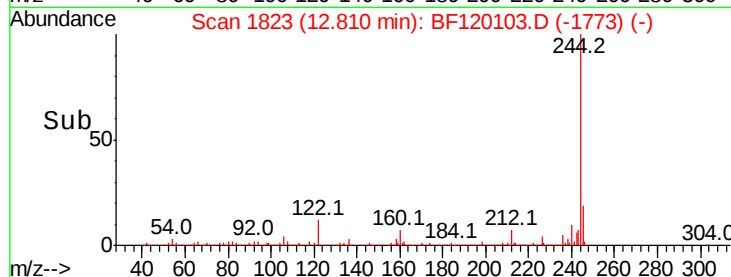
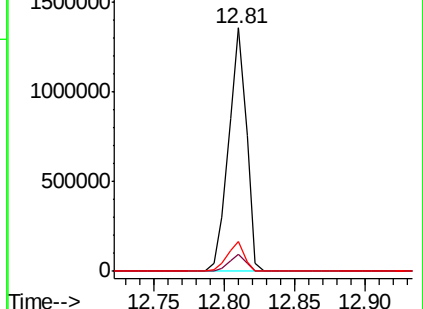
122 12.2 10.3 15.5



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: 2.412 ng

RT: 13.88 min Scan# 2005

Delta R.T. 0.02 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

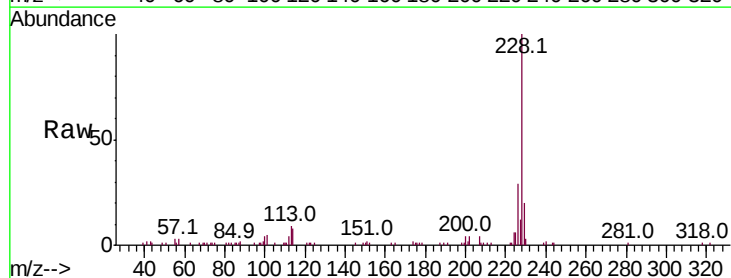
Tgt Ion:228 Resp: 44334

Ion Ratio Lower Upper

228 100

226 29.1 21.9 32.9

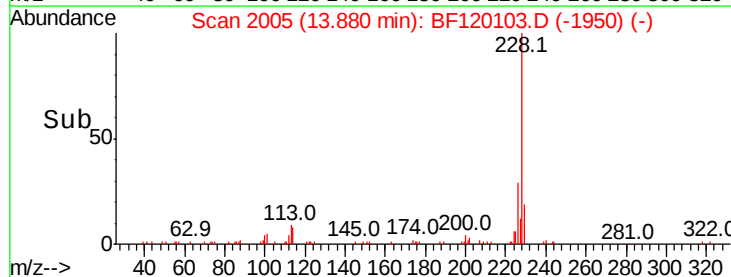
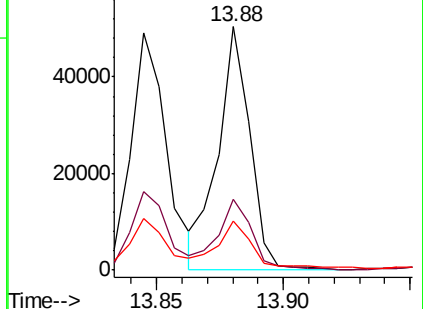
229 20.3 15.9 23.9

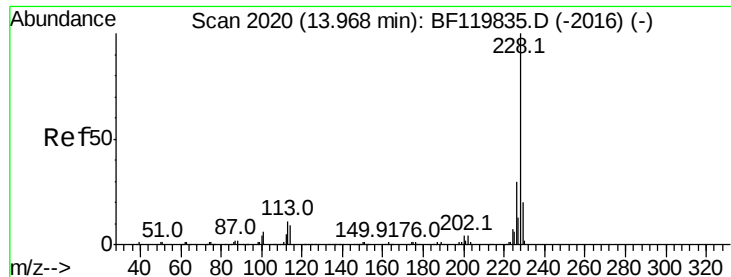


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#83

Chrysene

Concen: 2.373 ng

RT: 13.88 min Scan# 2005

Delta R.T. -0.01 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

Instrument :

BNA_F

ClientSampleId :

TP-18-COMP

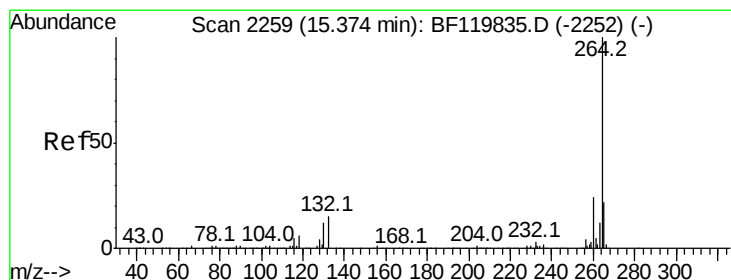
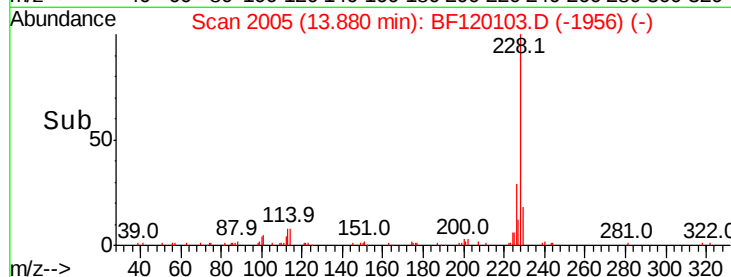
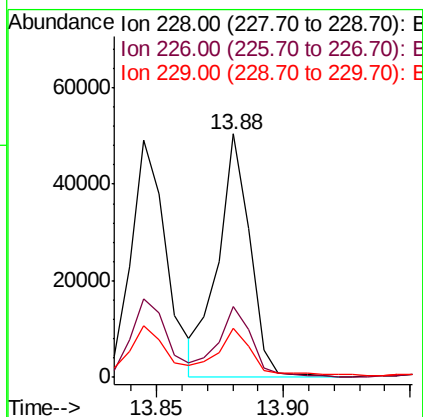
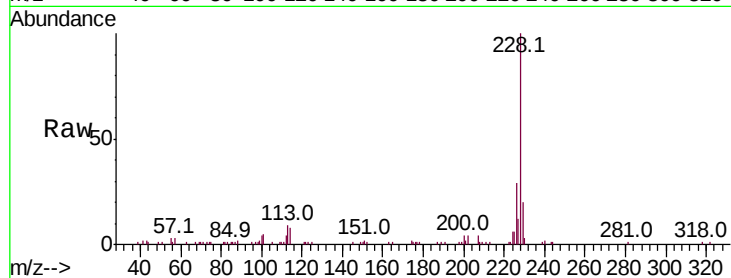
Tot Ion:228 Resp: 44334

Ion Ratio Lower Upper

228 100

226 29.1 24.2 36.2

229 20.3 15.9 23.9



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.27 min Scan# 2241

Delta R.T. -0.01 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

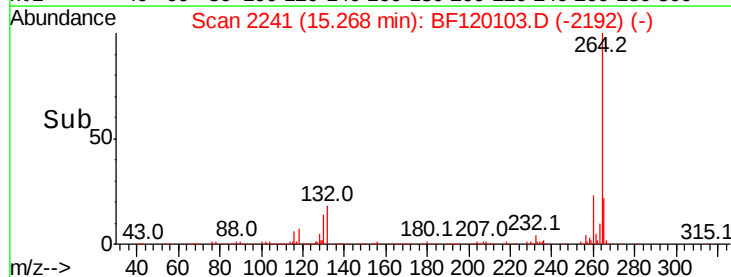
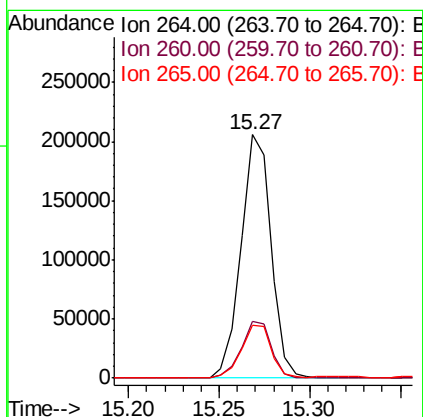
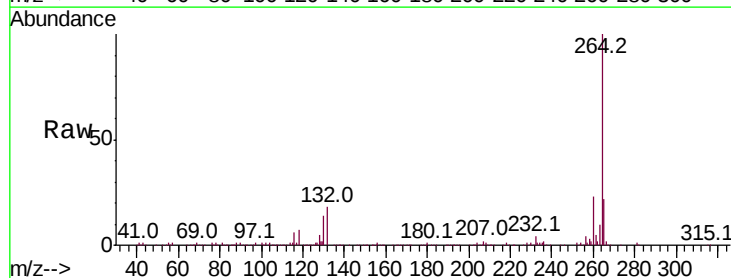
Tgt Ion:264 Resp: 236690

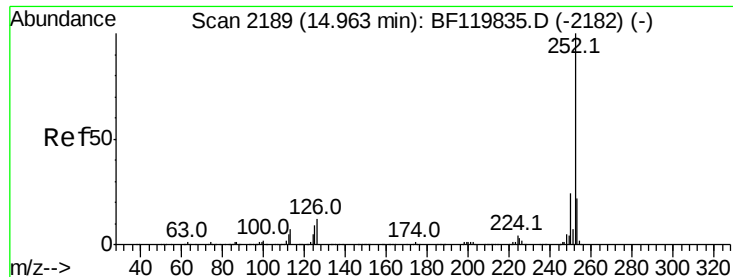
Ion Ratio Lower Upper

264 100

260 23.3 19.3 28.9

265 21.9 17.6 26.4

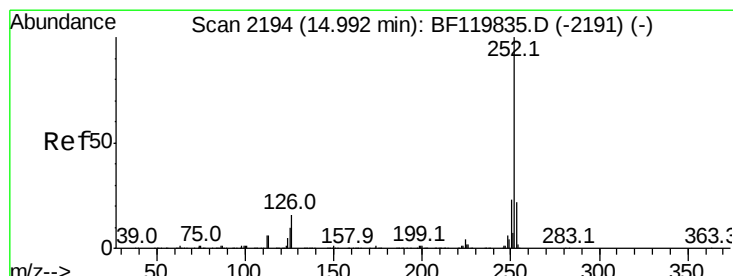
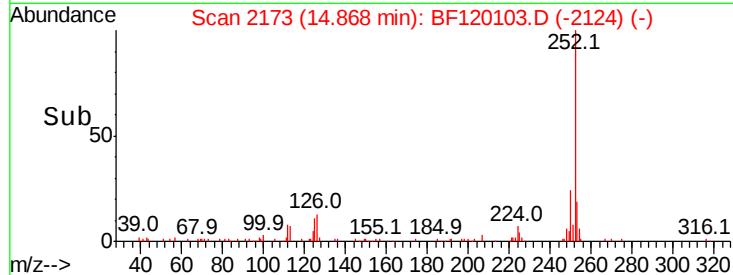
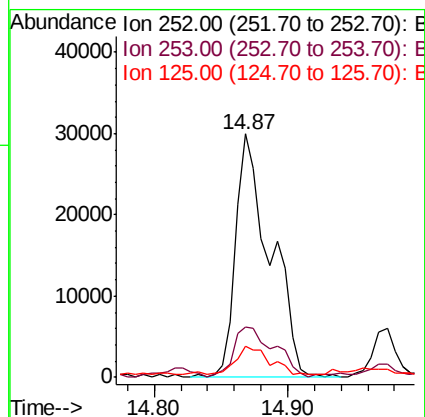




#88
Benzo(b)fluoranthene
Concen: 3.195 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.01 min
Lab File: BF120103.D
Acq: 21 Apr 2020 15:41

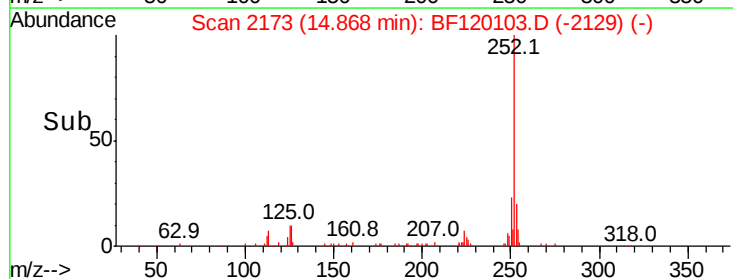
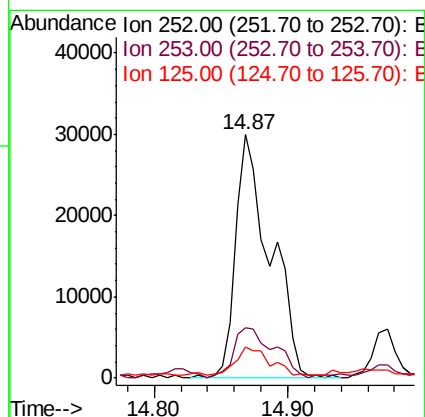
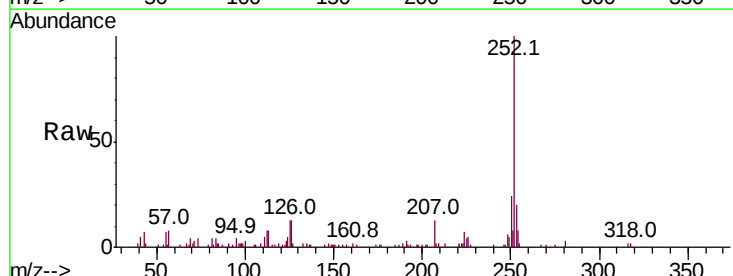
Instrument :
BNA_F
ClientSampleId :
TP-18-COMP

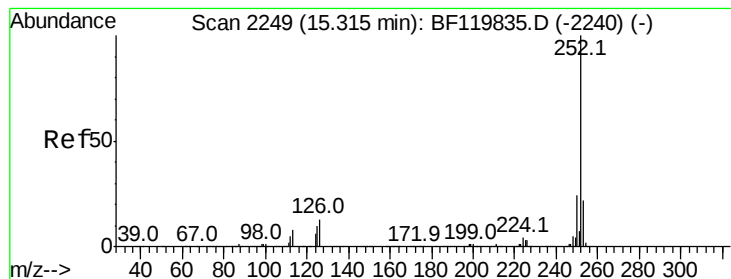
Tot Ion:252 Resp: 54402
Ion Ratio Lower Upper
252 100
253 20.4 17.7 26.5
125 13.0 7.4 11.2#



#89
Benzo(k)fluoranthene
Concen: 3.703 ng
RT: 14.87 min Scan# 2173
Delta R.T. -0.04 min
Lab File: BF120103.D
Acq: 21 Apr 2020 15:41

Tgt Ion:252 Resp: 54402
Ion Ratio Lower Upper
252 100
253 20.4 17.8 26.8
125 13.0 7.7 11.5#





#90

Benzo(a)pyrene

Concen: 2.304 ng

RT: 15.21 min Scan# 2231

Delta R.T. -0.01 min

Lab File: BF120103.D

Acq: 21 Apr 2020 15:41

Instrument :

BNA_F

ClientSampleId :

TP-18-COMP

Tot Ion:252 Resp: 32980

Ion Ratio Lower Upper

252 100

253 23.6 17.4 26.2

125 12.1 8.3 12.5

