

Data Path : Z:\svoasrv\HPCHEM1\BNA F\Data\BF042120\
 Data File : BF120102.D
 Acq On : 21 Apr 2020 15:13
 Operator : MA/SJ
 Sample : L2342-12
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-16-COMP

Quant Time: Apr 21 15:53:33 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	121713	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	478874	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	244256	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	467467	20.00	ng	0.00
76) Chrysene-d12	13.86	240	297794	20.00	ng	-0.01
87) Perylene-d12	15.27	264	256586	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.29	112	623896	88.59	ng	0.00
7) Phenol-d6	6.33	99	848787	93.53	ng	0.00
23) Nitrobenzene-d5	7.26	82	532832	57.56	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	216913	72.53	ng	0.00
45) 2-Fluorobiphenyl	9.06	172	1025318	59.60	ng	0.00
79) Terphenyl-d14	12.81	244	1085555	61.34	ng	0.00

Target Compounds

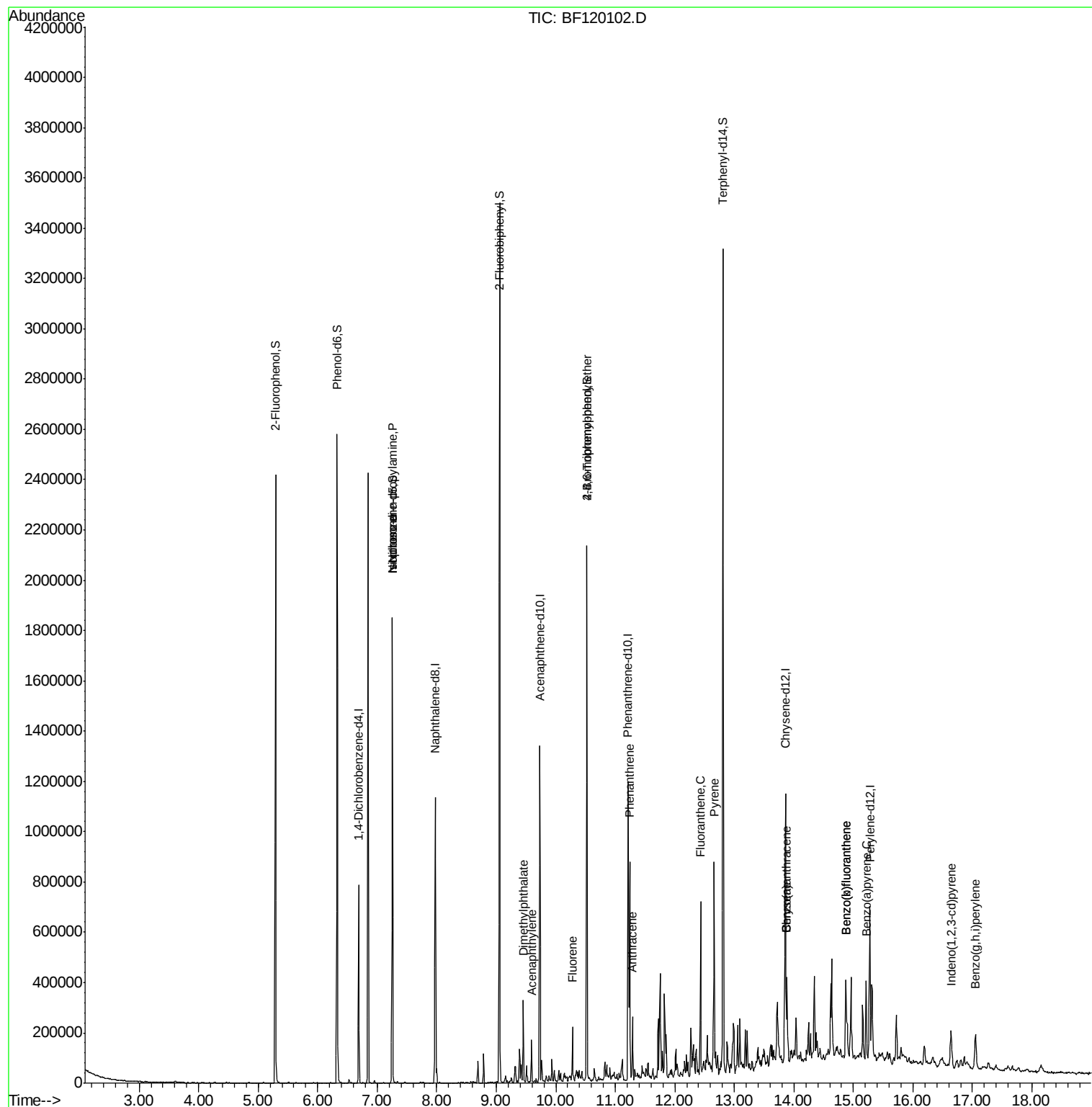
						Qvalue
9) Benzaldehyde	6.33	77	1184	Below Cal	#	1
19) n-Nitroso-di-n-propylamine	7.26	70	69851	11.970 ng	#	77
25) Isophorone	7.26	82	532826	29.860 ng	#	65
49) Acenaphthylene	9.59	152	48604	2.012 ng		96
50) Dimethylphthalate	9.45	163	110733	5.861 ng		98
58) Fluorene	10.28	166	54640	3.090 ng		94
67) 4-Bromophenyl-phenylether	10.52	248	13525	2.327 ng	#	1
71) Phenanthrene	11.25	178	329203	13.232 ng		99
72) Anthracene	11.29	178	82349	3.240 ng		98
75) Fluoranthene	12.43	202	274350	10.220 ng		96
78) Pyrene	12.66	202	353558	14.083 ng		99
81) Benzo(a)anthracene	13.89	228	146233	7.464 ng		95
83) Chrysene	13.89	228	146233	7.346 ng		98
86) Indeno(1,2,3-cd)pyrene	16.64	276	87872	5.008 ng		97
88) Benzo(b)fluoranthene	14.87	252	207366	11.234 ng	#	98
89) Benzo(k)fluoranthene	14.87	252	207366	13.021 ng	#	98
90) Benzo(a)pyrene	15.22	252	140523	9.055 ng		100
92) Benzo(g,h,i)perylene	17.05	276	97719	7.201 ng		95

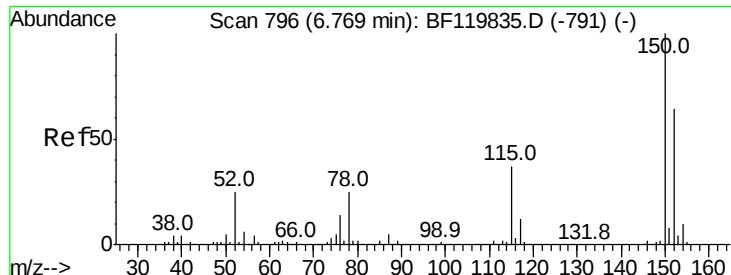
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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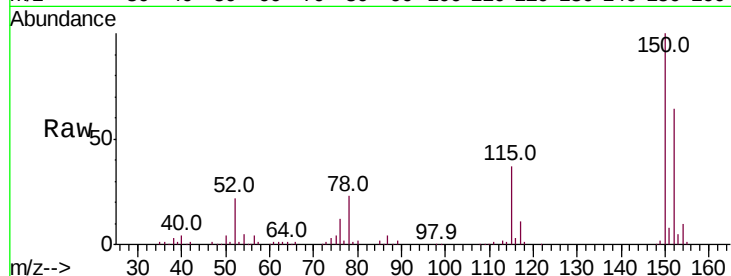


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.69 min Scan# 783
Delta R.T. 0.00 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Instrument :
BNA_F
ClientSampleId :
TP-17-16-COMP

Tot Ion	Ratio	Lower	Upper
152	100		
150	155.7	124.8	187.2
115	58.2	46.5	69.7

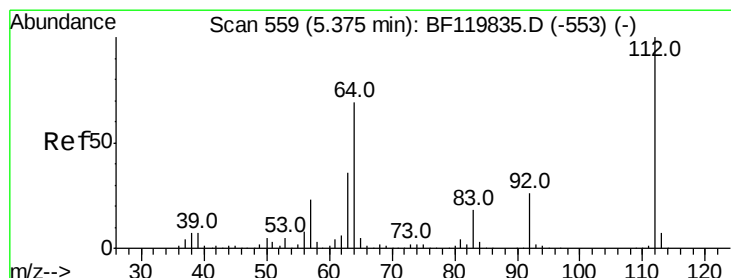
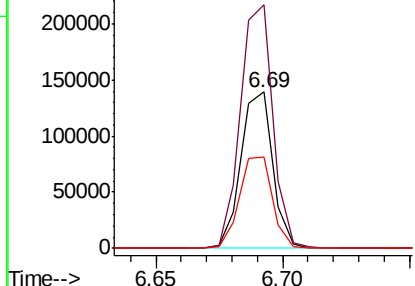
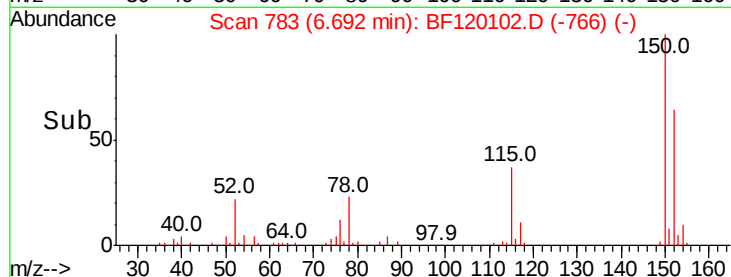


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

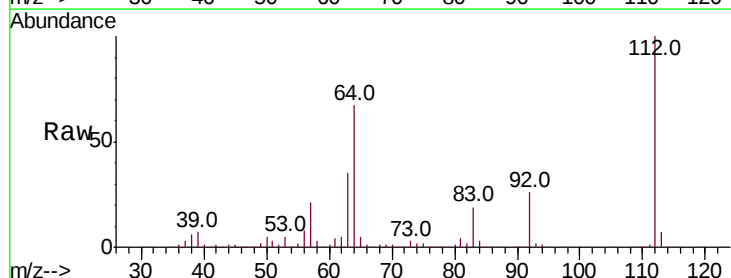
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 88.586 ng
RT: 5.29 min Scan# 545
Delta R.T. -0.00 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Tgt Ion	Ratio	Lower	Upper
112	100		
64	66.9	55.5	83.3
63	34.8	29.1	43.7

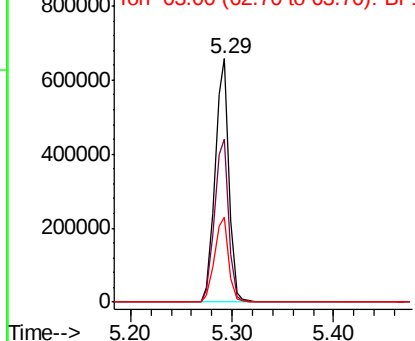
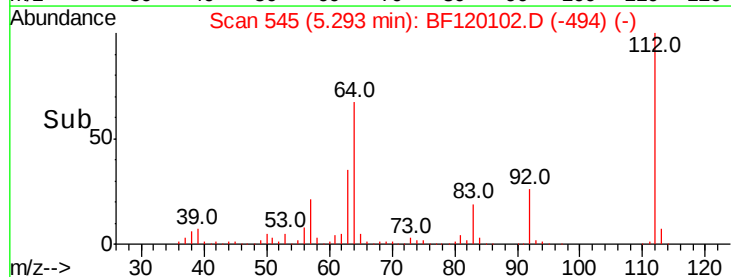


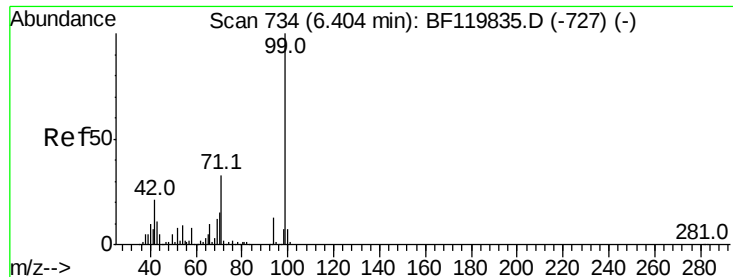
Abundance

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: 93.530 ng

RT: 6.33 min Scan# 721

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Instrument :

BNA_F

ClientSampleId :

TP-17-16-COMP

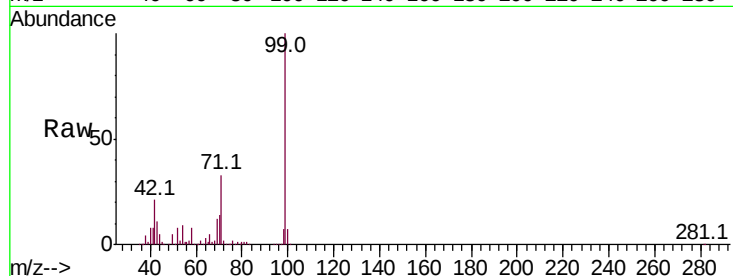
Tot Ion: 99 Resp: 848787

Ion Ratio Lower Upper

99 100

42 20.9 16.9 25.3

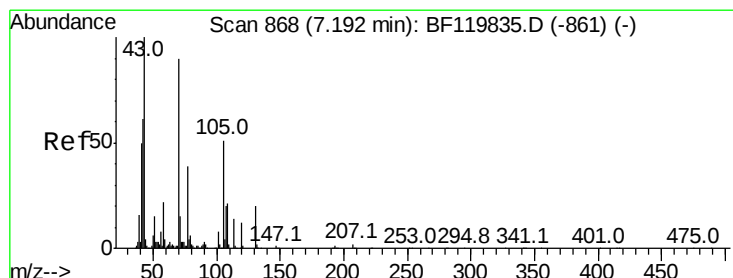
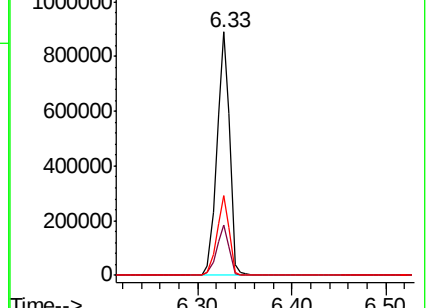
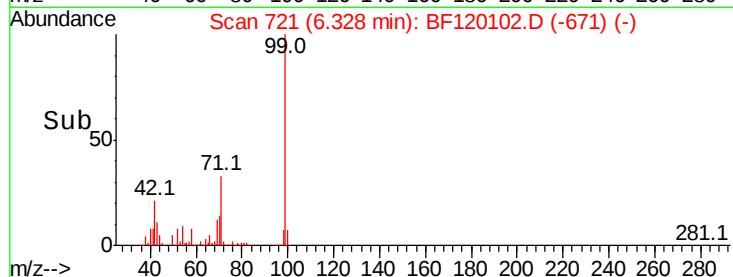
71 33.0 26.3 39.5



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 11.970 ng

RT: 7.26 min Scan# 879

Delta R.T. 0.14 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Tgt Ion: 70 Resp: 69851

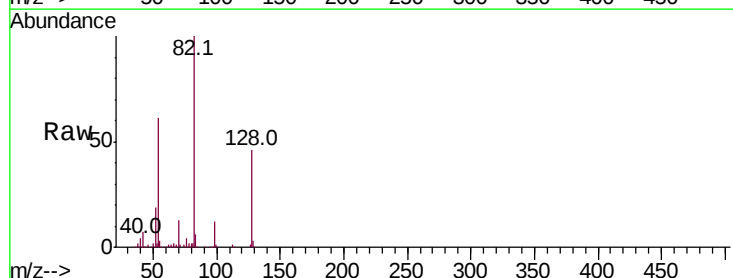
Ion Ratio Lower Upper

70 100

42 54.5 54.2 81.4

101 0.0 7.4 11.2#

130 1.6 17.8 26.6#

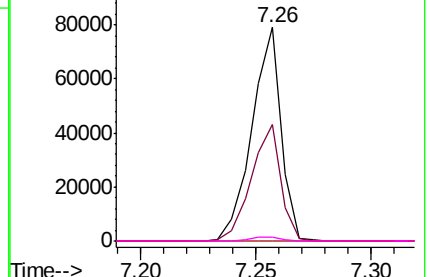
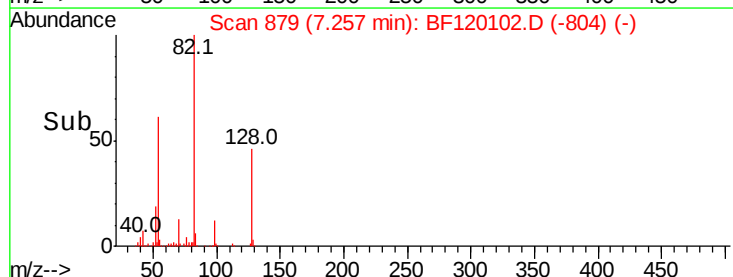


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

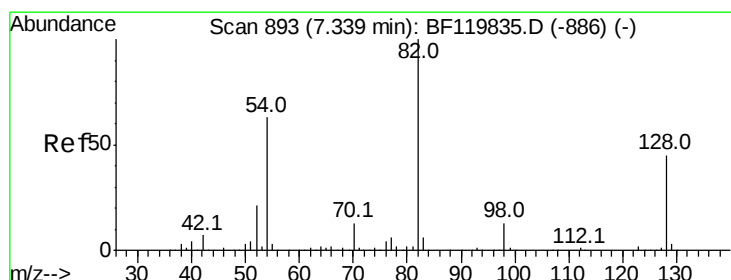
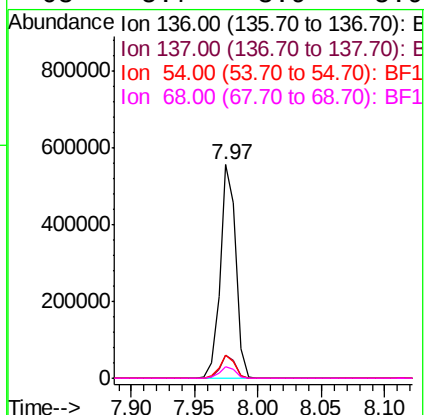
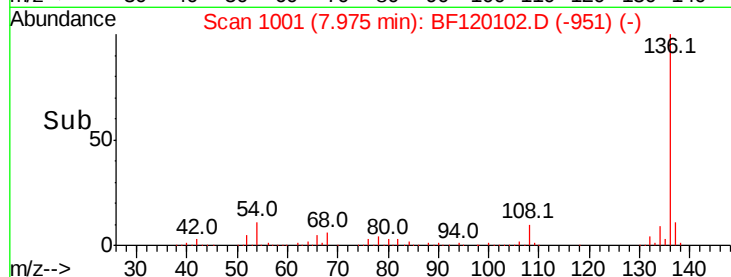
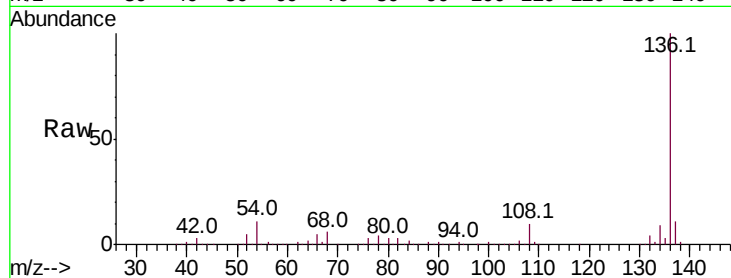




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.97 min Scan# 1001
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

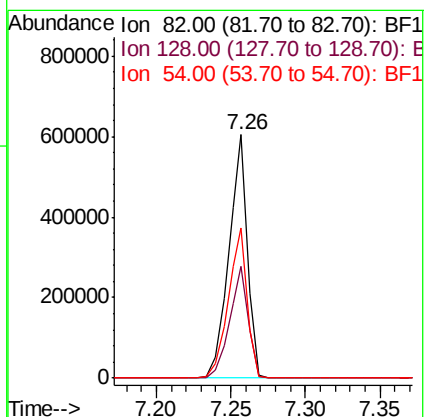
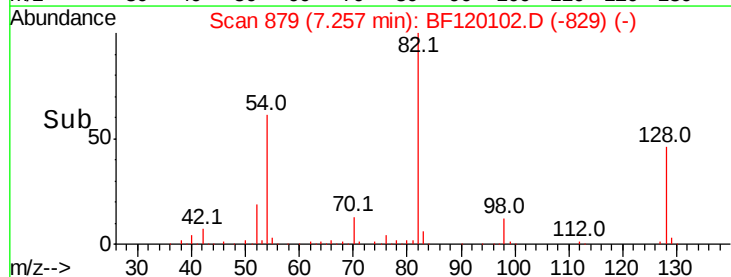
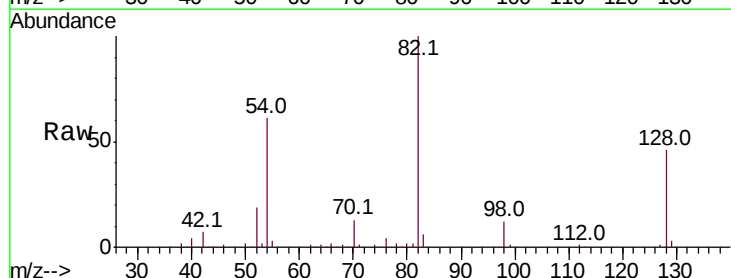
Instrument :
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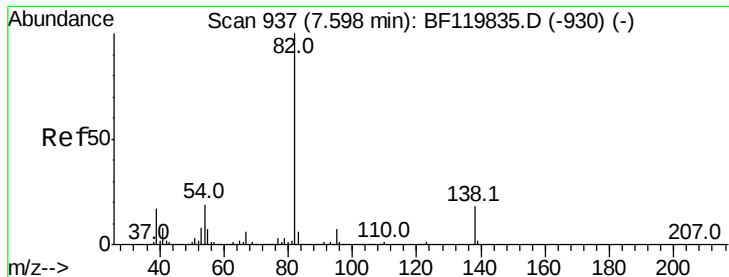
Tot Ion:	136	Resp:	478874
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.7	13.1
54	10.8	8.5	12.7
68	5.7	3.9	5.9



#23
Nitrobenzene-d5
Concen: 57.563 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Tgt Ion:	82	Resp:	532832
Ion	Ratio	Lower	Upper
82	100		
128	46.0	36.2	54.4
54	61.4	50.4	75.6





#25

Isophorone

Concen: 29.860 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.26 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Instrument :

BNA_F

ClientSampleId :

TP-17-16-COMP

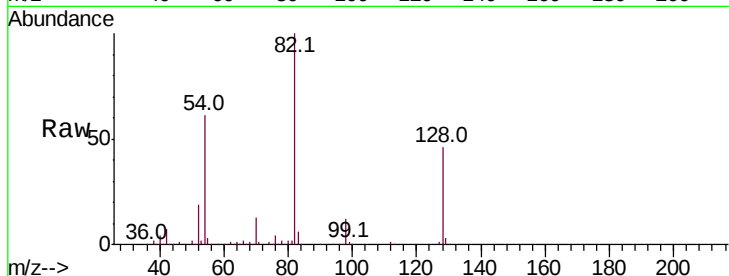
Tot Ion: 82 Resp: 532826

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

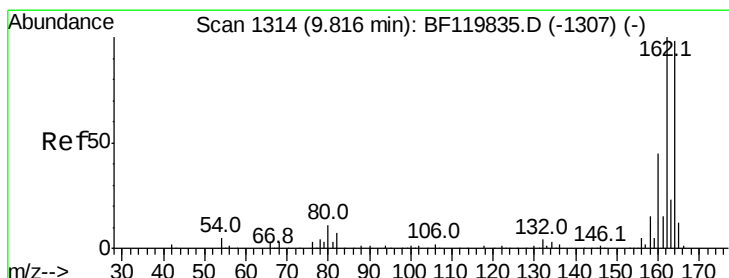
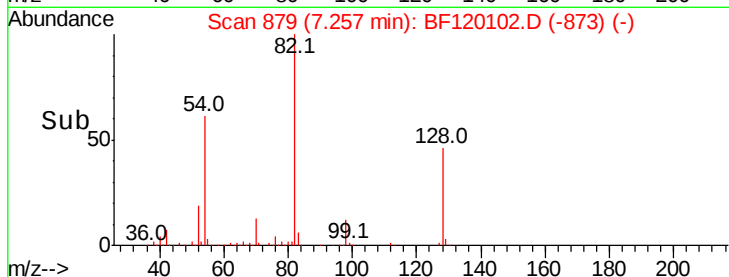
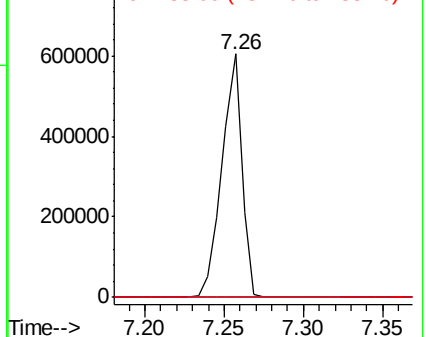
138 0.0 14.5 21.7#



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: BF120102.D

Acq: 21 Apr 2020 15:13

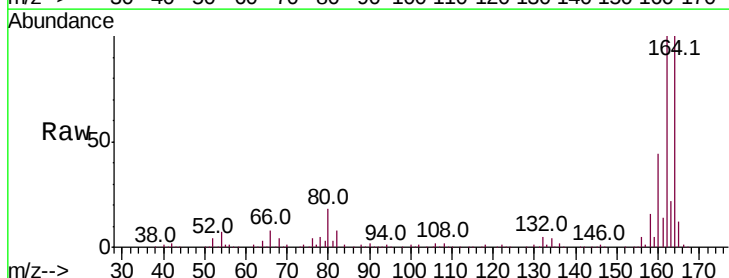
Tgt Ion:164 Resp: 244256

Ion Ratio Lower Upper

164 100

162 100.0 81.9 122.9

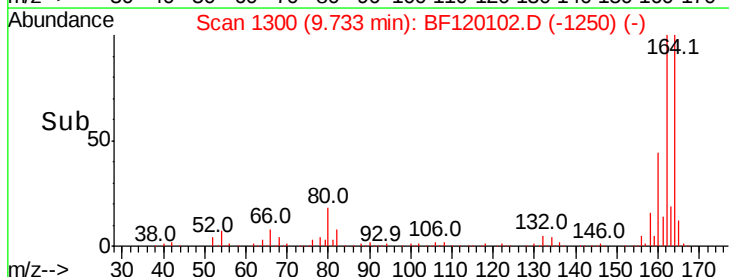
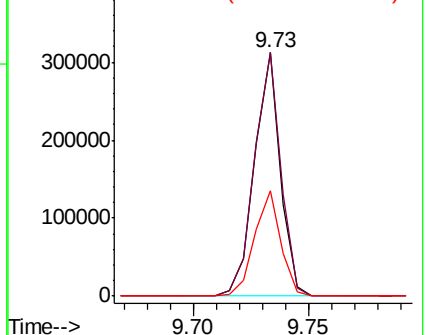
160 43.5 36.6 54.8

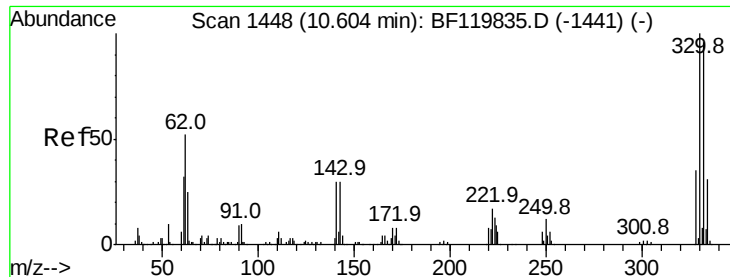


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

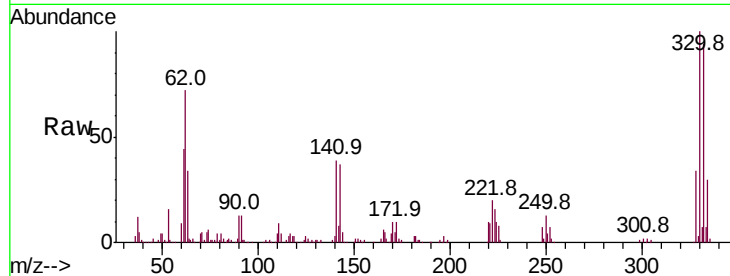




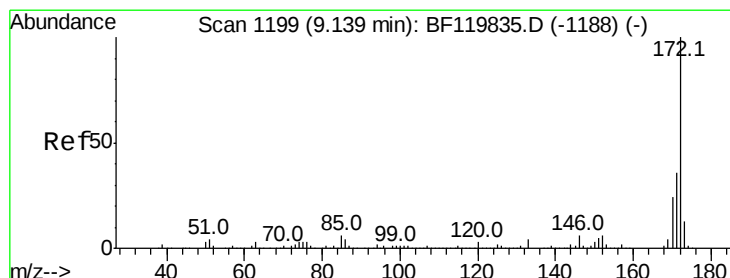
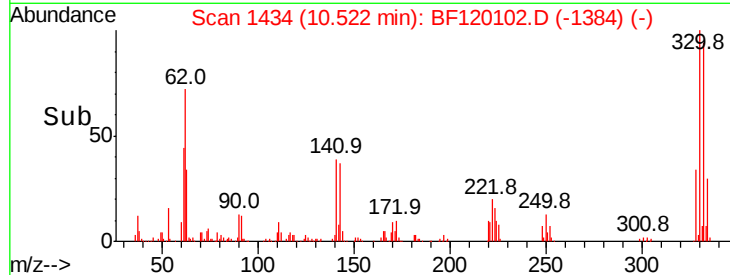
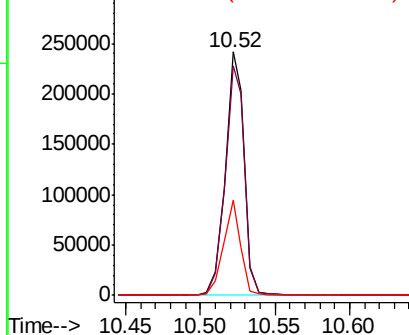
#42
 2,4,6-Tribromophenol
 Concen: 72.533 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.01 min
 Lab File: BF120102.D
 Acq: 21 Apr 2020 15:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-16-COMP

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.8	115.2
141	36.2	25.1	37.7

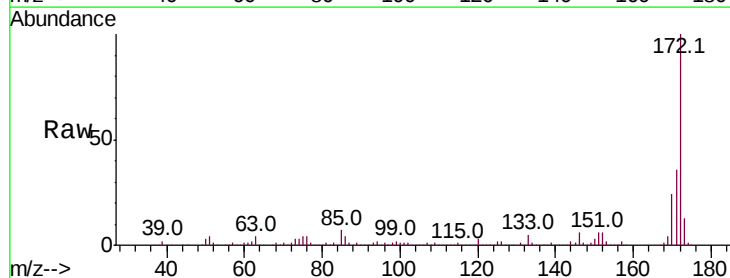


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

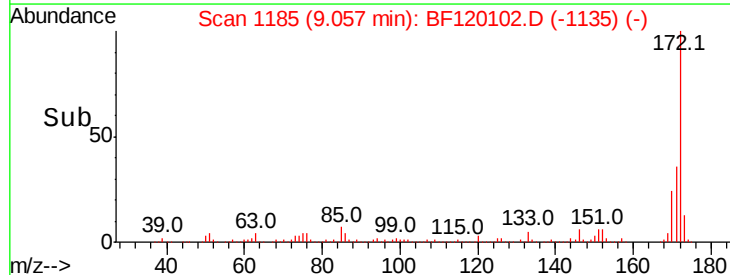
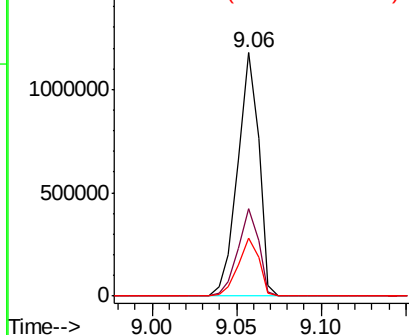


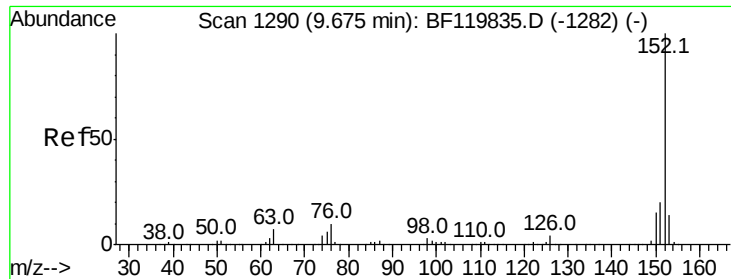
#45
 2-Fluorobiphenyl
 Concen: 59.598 ng
 RT: 9.06 min Scan# 1185
 Delta R.T. -0.01 min
 Lab File: BF120102.D
 Acq: 21 Apr 2020 15:13

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.9	43.3
170	24.1	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





#49

Acenaphthylene

Concen: 2.012 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Instrument :

BNA_F

ClientSampleId :

TP-17-16-COMP

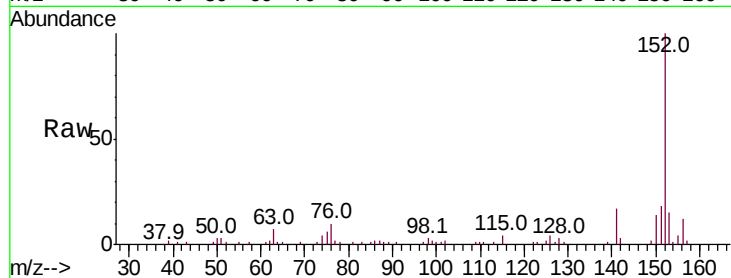
Tot Ion:152 Resp: 48604

Ion Ratio Lower Upper

152 100

151 17.9 16.2 24.4

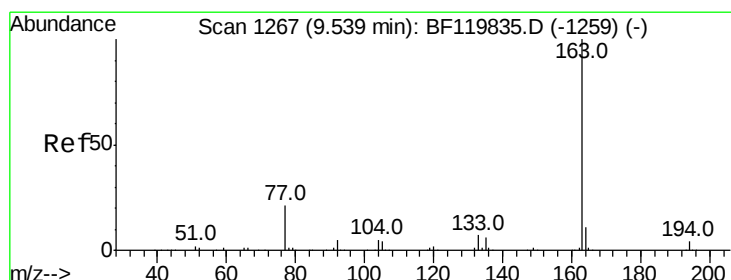
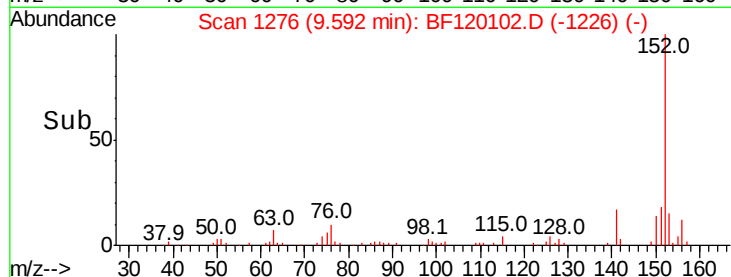
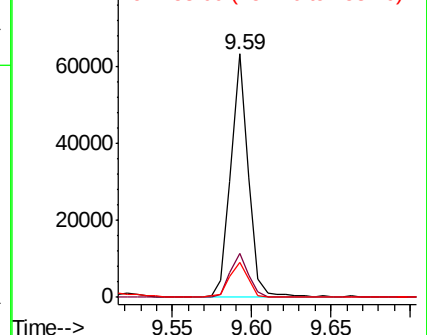
153 14.5 10.9 16.3



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

Dimethylphthalate

Concen: 5.861 ng

RT: 9.45 min Scan# 1252

Delta R.T. -0.02 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

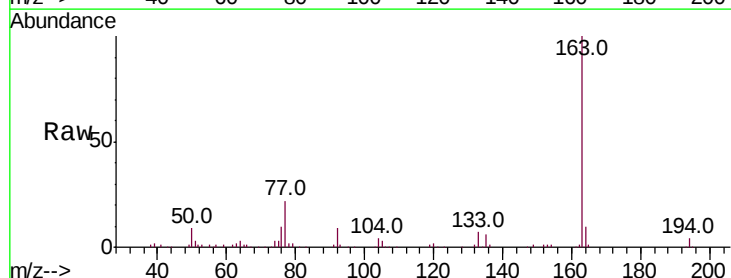
Tgt Ion:163 Resp: 110733

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.4

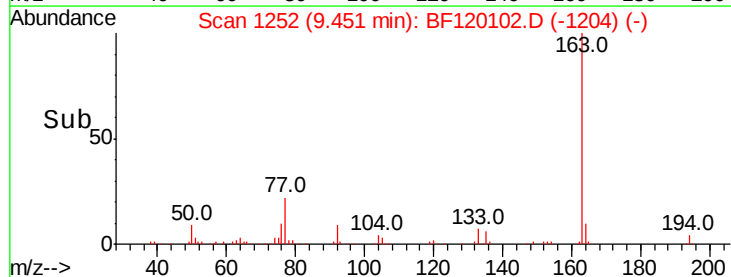
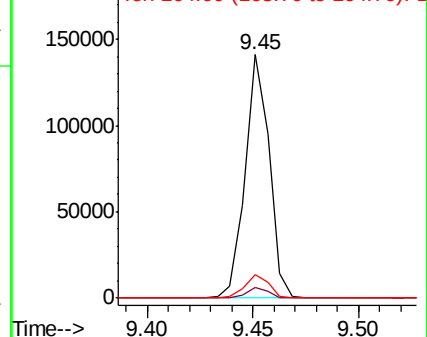
164 9.6 8.4 12.6

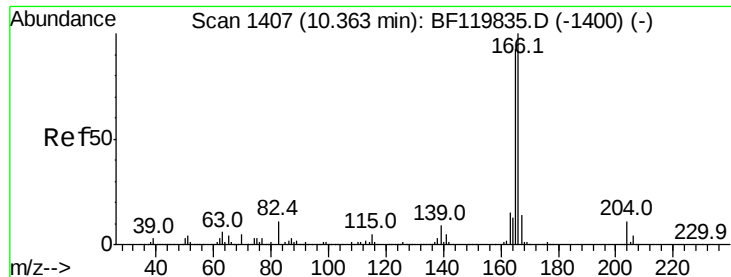


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

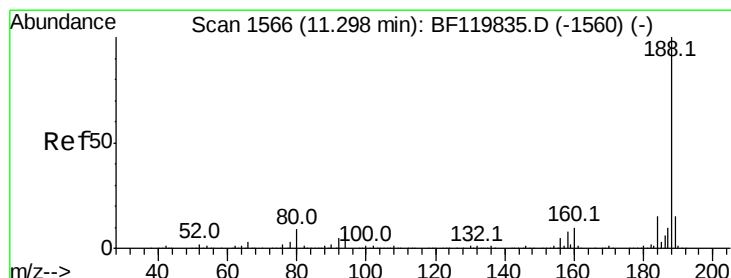
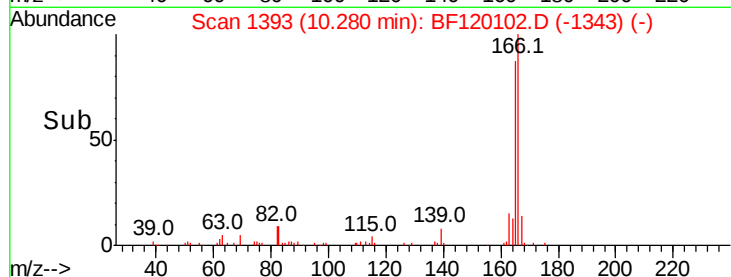
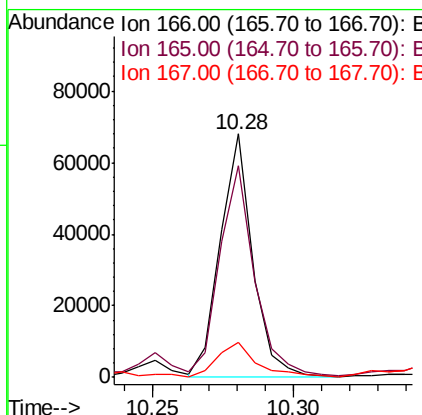
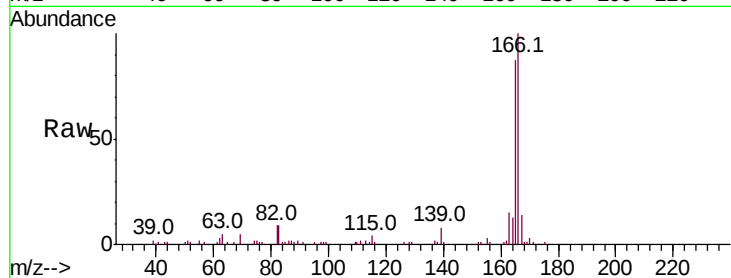




#58
 Fluorene
 Concen: 3.090 ng
 RT: 10.28 min Scan# 1393
 Delta R.T. -0.01 min
 Lab File: BF120102.D
 Acq: 21 Apr 2020 15:13

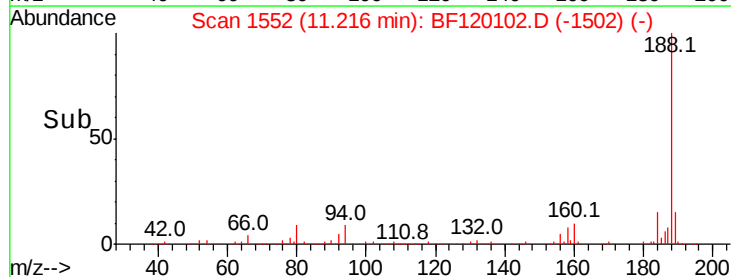
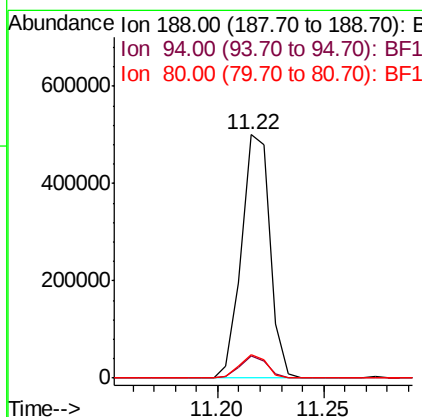
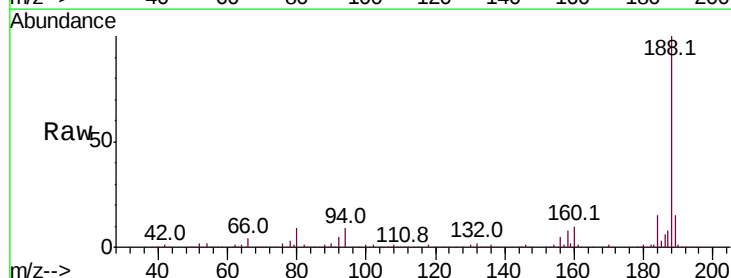
Instrument :
 BNA_F
 ClientSampleId :
 TP-17-16-COMP

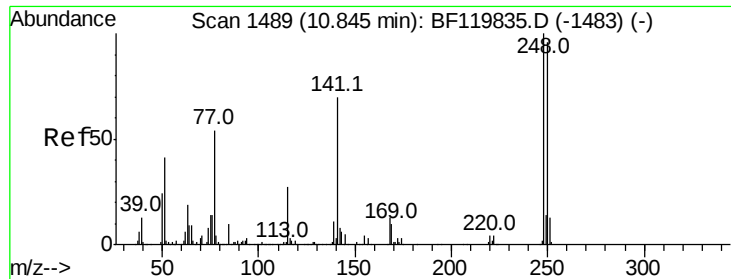
Tot Ion:166 Resp: 54640
 Ion Ratio Lower Upper
 166 100
 165 86.8 74.2 111.2
 167 14.2 10.8 16.2



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.22 min Scan# 1552
 Delta R.T. -0.01 min
 Lab File: BF120102.D
 Acq: 21 Apr 2020 15:13

Tgt Ion:188 Resp: 467467
 Ion Ratio Lower Upper
 188 100
 94 9.0 6.7 10.1
 80 9.5 7.4 11.2

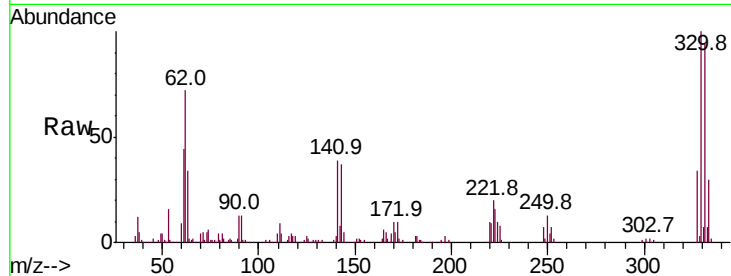




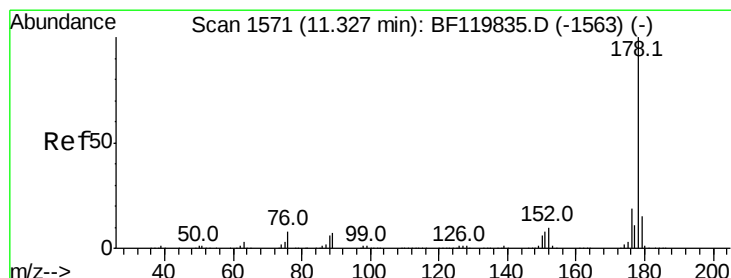
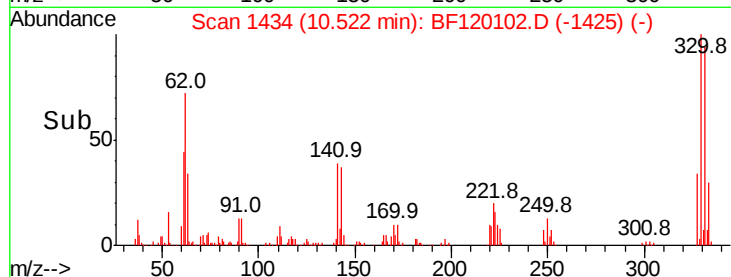
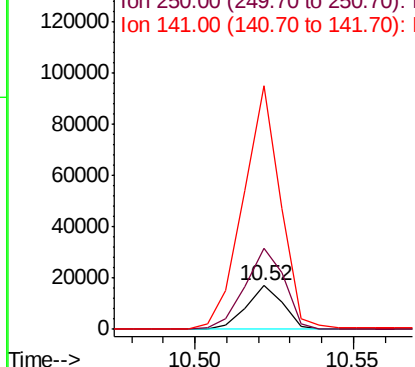
#67
 4-Bromophenyl-phenylether
 Concen: 2.327 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. -0.25 min
 Lab File: BF120102.D
 Acq: 21 Apr 2020 15:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-16-COMP

Tot Ion:248 Resp: 13525
 Ion Ratio Lower Upper
 248 100
 250 185.7 76.6 114.8#
 141 559.5 55.9 83.9#

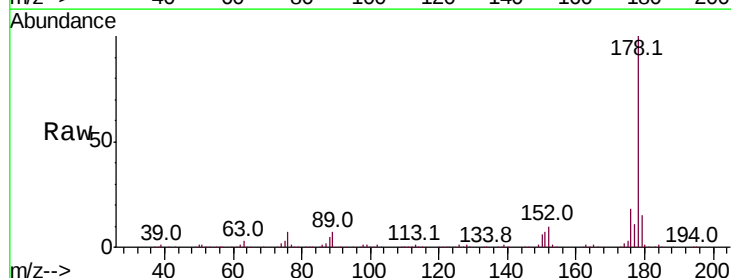


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

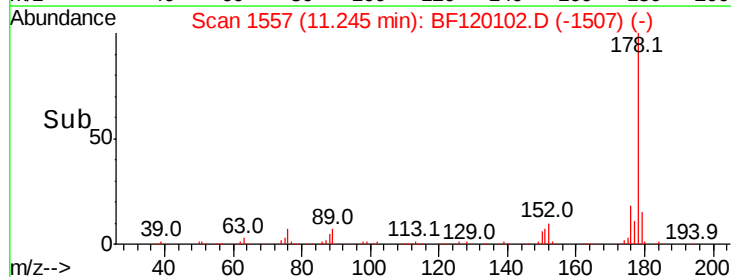
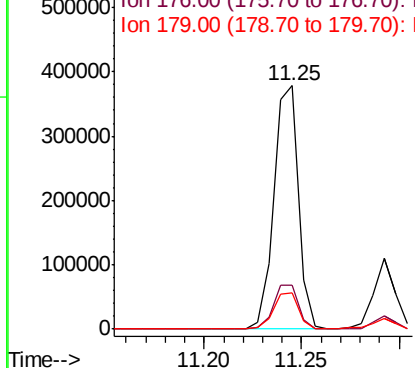


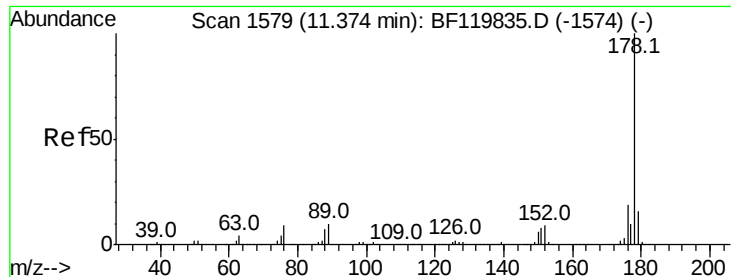
#71
 Phenanthrene
 Concen: 13.232 ng
 RT: 11.25 min Scan# 1557
 Delta R.T. -0.01 min
 Lab File: BF120102.D
 Acq: 21 Apr 2020 15:13

Tgt Ion:178 Resp: 329203
 Ion Ratio Lower Upper
 178 100
 176 18.1 15.1 22.7
 179 15.0 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: 3.240 ng

RT: 11.29 min Scan# 1565

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Instrument :

BNA_F

ClientSampleId :

TP-17-16-COMP

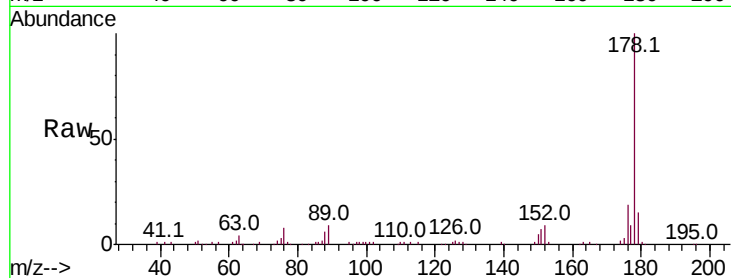
Tot Ion:178 Resp: 82349

Ion Ratio Lower Upper

178 100

176 18.5 15.4 23.2

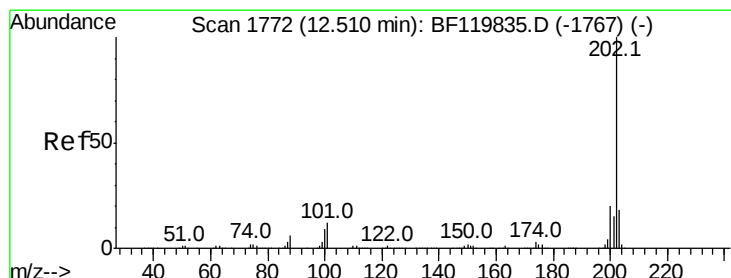
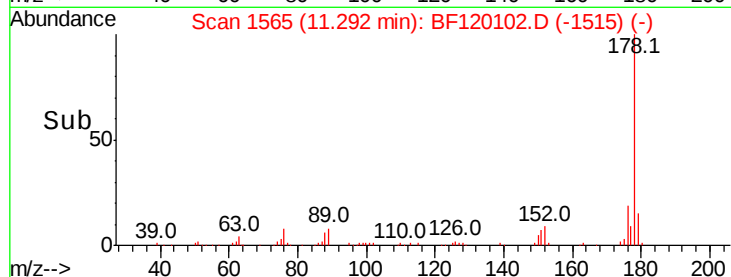
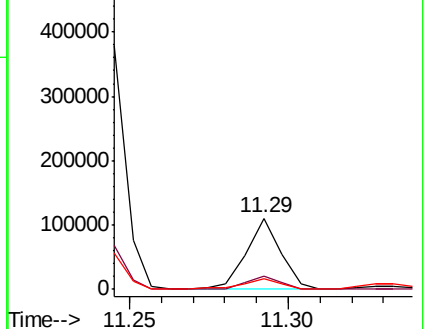
179 15.3 12.8 19.2



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: 10.220 ng

RT: 12.43 min Scan# 1759

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

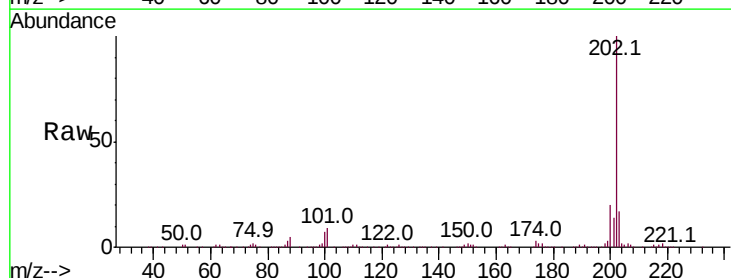
Tgt Ion:202 Resp: 274350

Ion Ratio Lower Upper

202 100

101 9.4 0.0 32.3

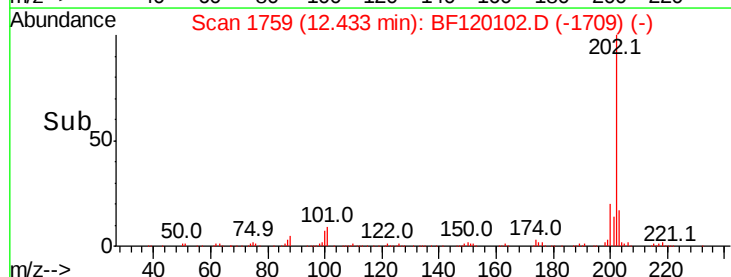
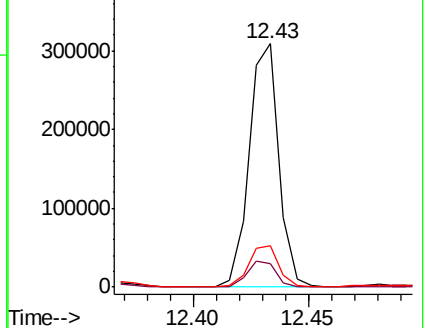
203 17.2 0.0 37.6

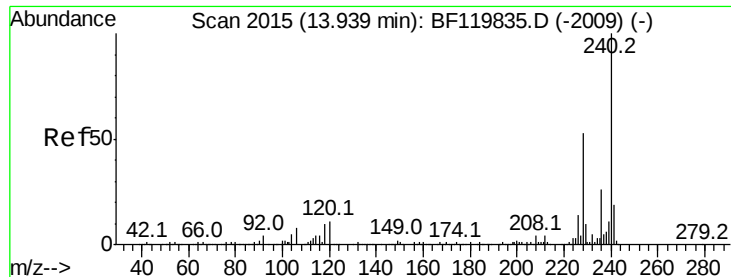


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF120102.D

Acq: 21 Apr 2020 15:13

Instrument :

BNA_F

ClientSampleId :

TP-17-16-COMP

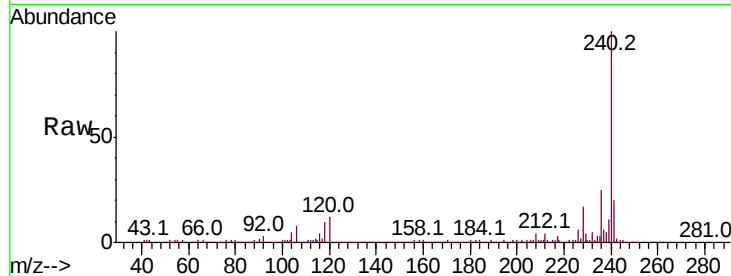
Tot Ion:240 Resp: 297794

Ion Ratio Lower Upper

240 100

120 11.6 9.0 13.6

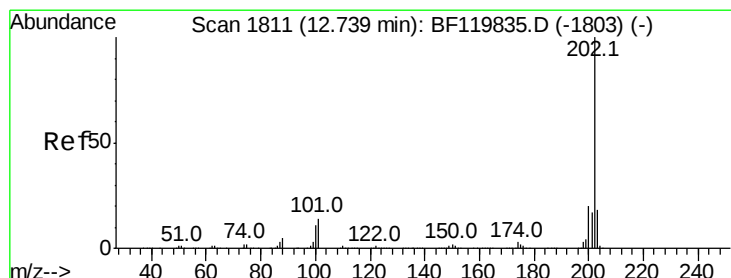
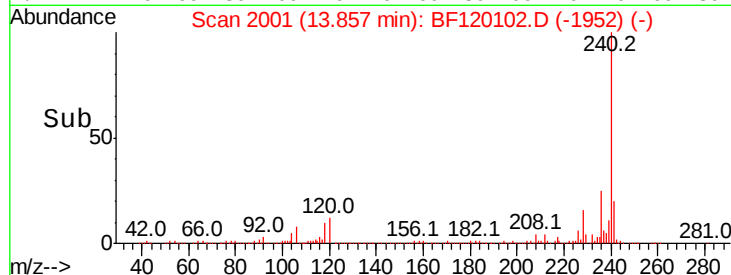
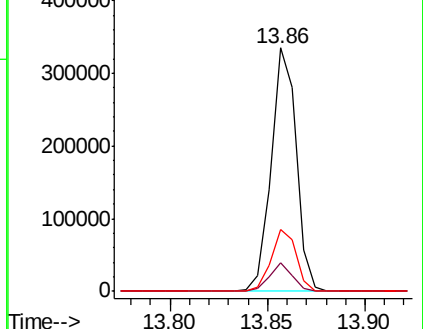
236 25.4 20.7 31.1



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: 14.083 ng

RT: 12.66 min Scan# 1797

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

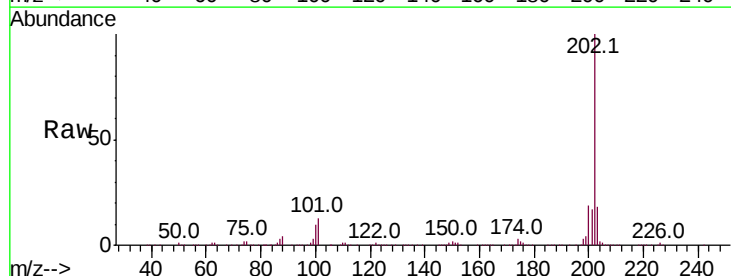
Tgt Ion:202 Resp: 353558

Ion Ratio Lower Upper

202 100

200 19.4 16.2 24.2

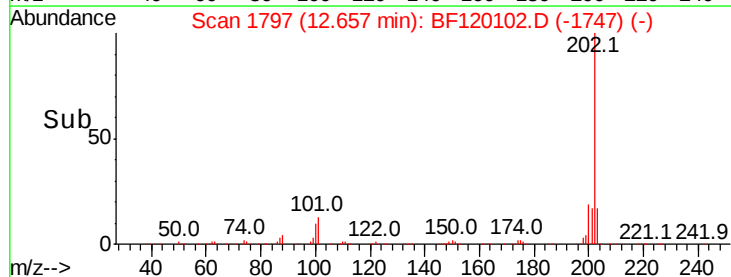
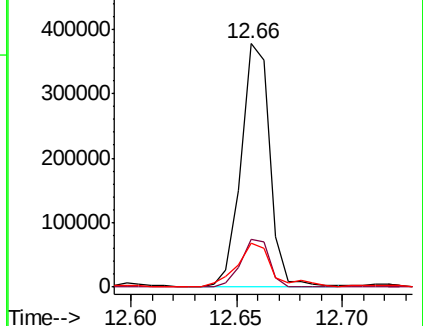
203 18.1 14.1 21.1

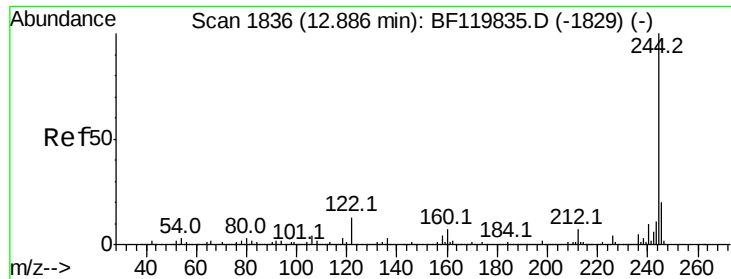


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 61.338 ng

RT: 12.81 min Scan# 1823

Delta R.T. -0.01 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

Instrument :

BNA_F

ClientSampleId :

TP-17-16-COMP

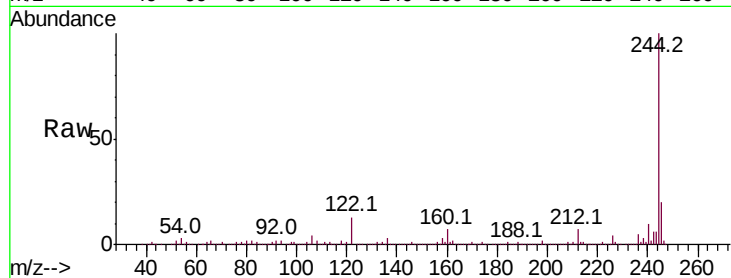
Tot Ion:244 Resp: 1085555

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.0

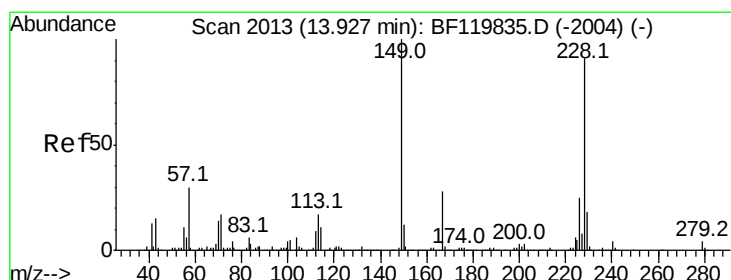
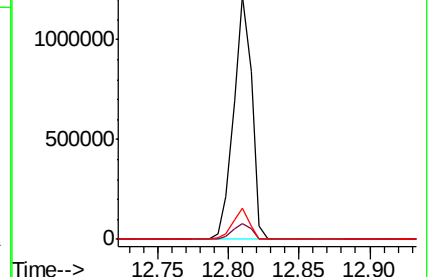
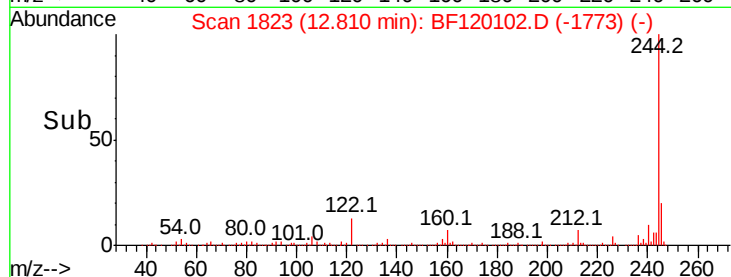
122 12.6 10.3 15.5



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: 7.464 ng

RT: 13.89 min Scan# 2006

Delta R.T. 0.03 min

Lab File: BF120102.D

Acq: 21 Apr 2020 15:13

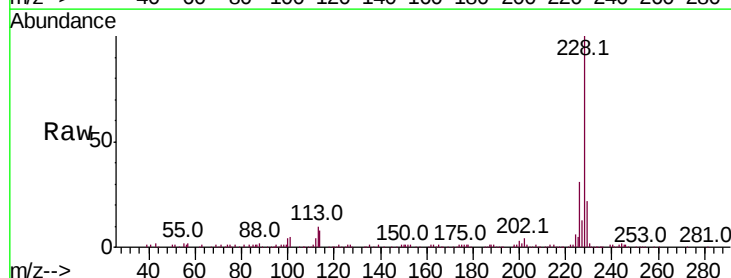
Tgt Ion:228 Resp: 146233

Ion Ratio Lower Upper

228 100

226 30.5 21.9 32.9

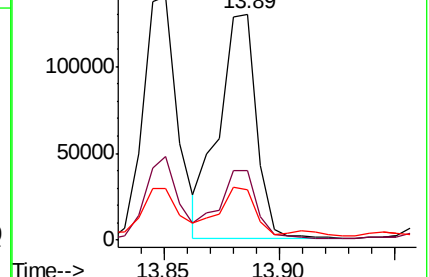
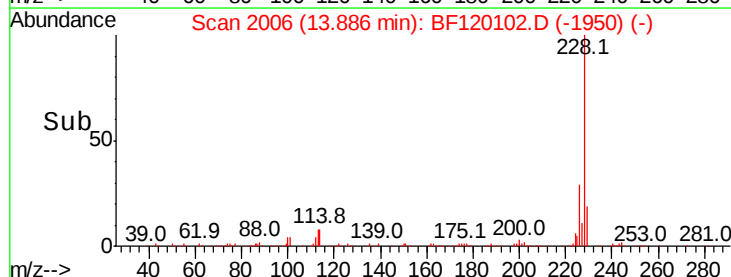
229 22.0 15.9 23.9

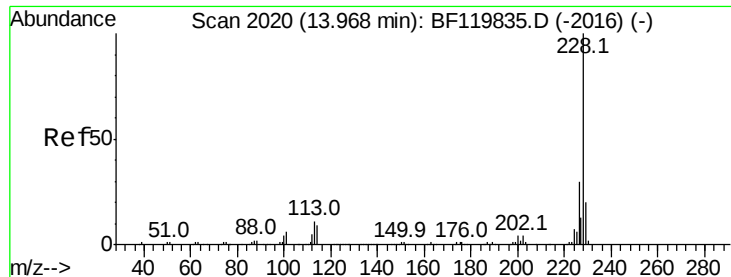


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

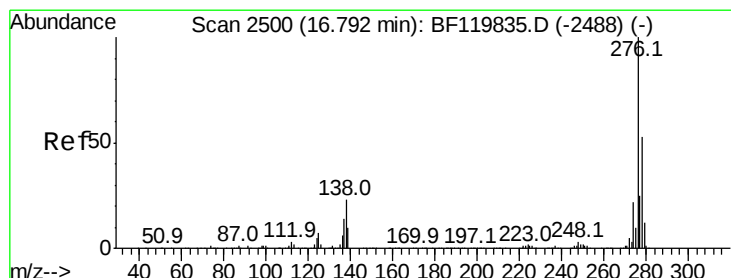
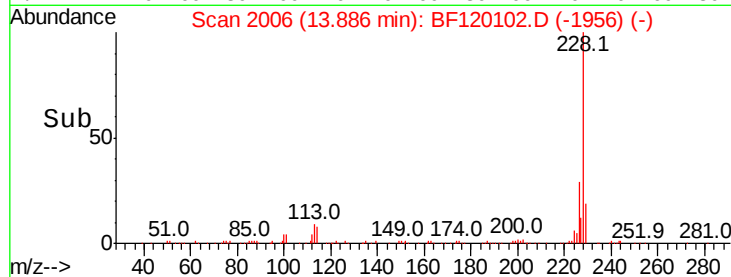
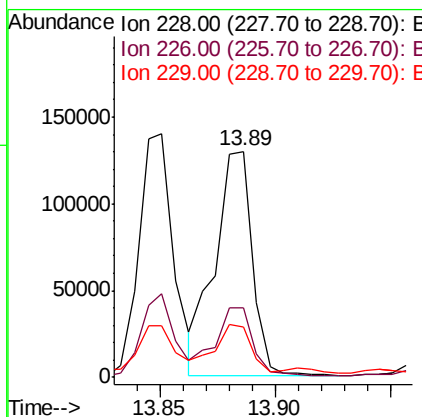
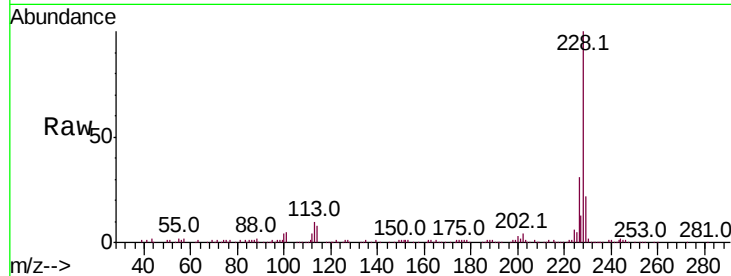




#83
Chrysene
Concen: 7.346 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

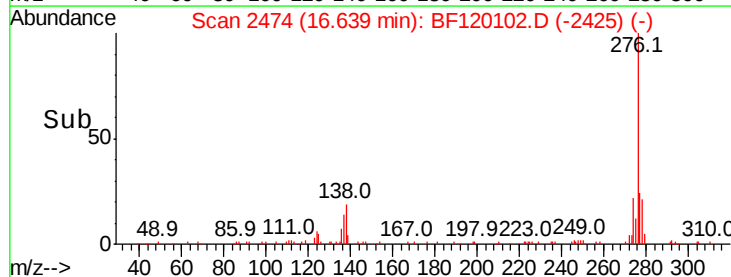
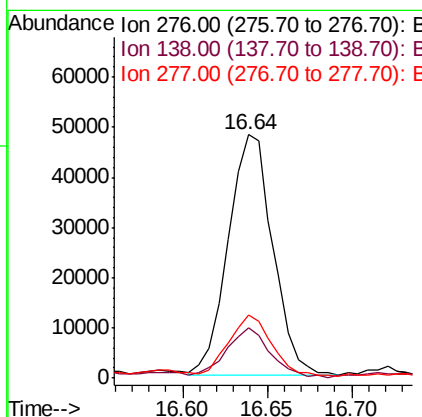
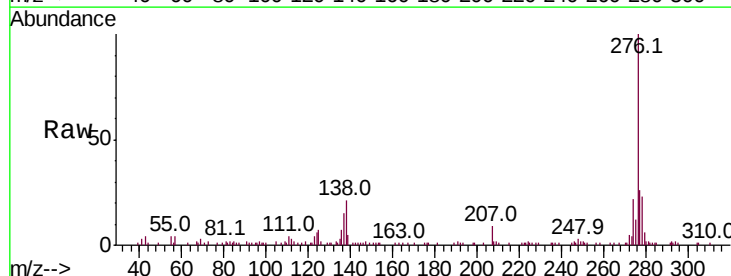
Instrument :
BNA_F
ClientSampleId :
TP-17-16-COMP

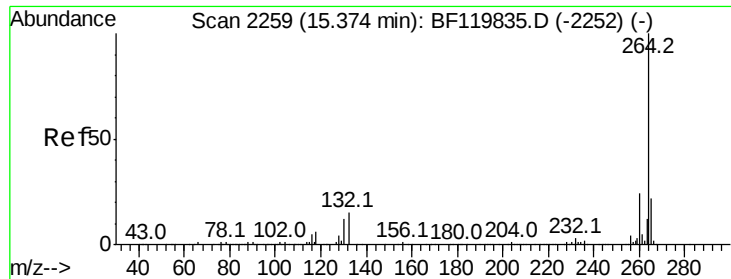
Tot Ion:228 Resp: 146233
Ion Ratio Lower Upper
228 100
226 30.5 24.2 36.2
229 22.0 15.9 23.9



#86
Indeno(1,2,3-cd)pyrene
Concen: 5.008 ng
RT: 16.64 min Scan# 2474
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Tgt Ion:276 Resp: 87872
Ion Ratio Lower Upper
276 100
138 21.0 18.0 27.0
277 24.1 20.1 30.1



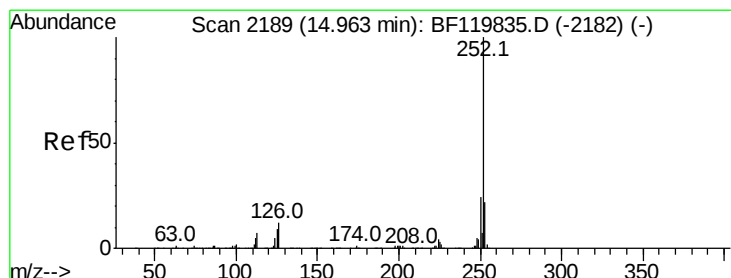
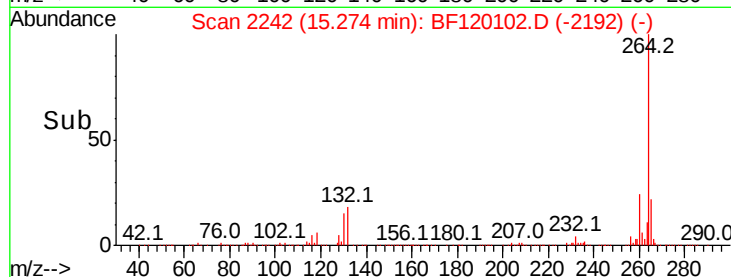
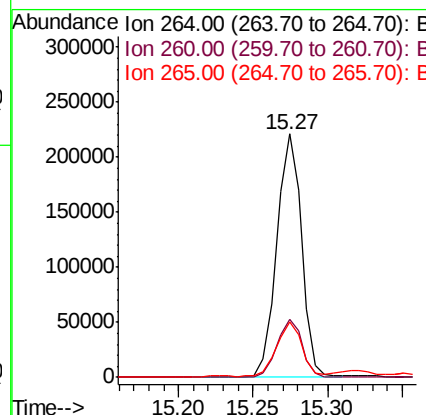
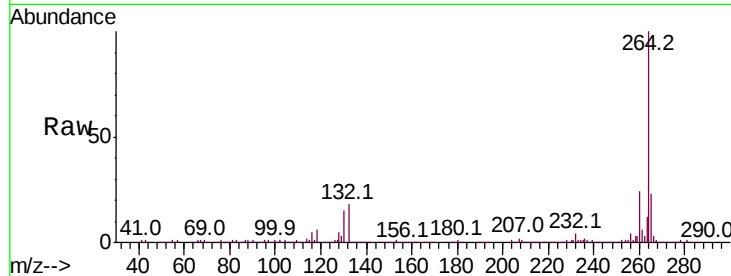


#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2242
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Instrument :
BNA_F
ClientSampleId :
TP-17-16-COMP

Tot Ion:264 Resp: 256586

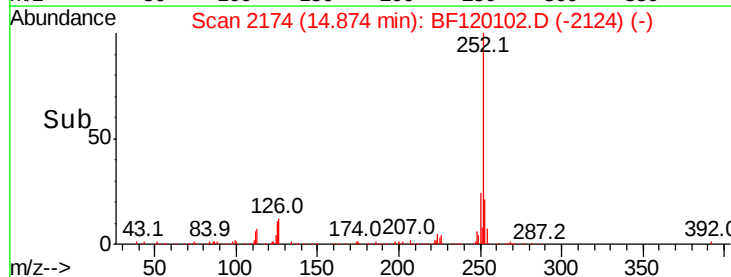
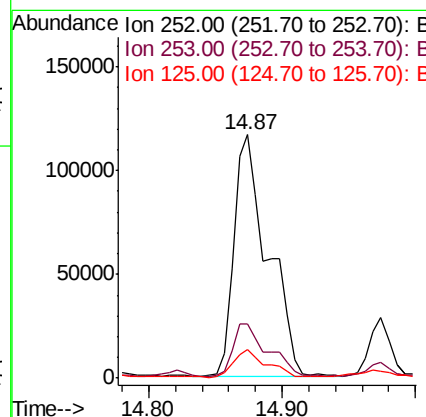
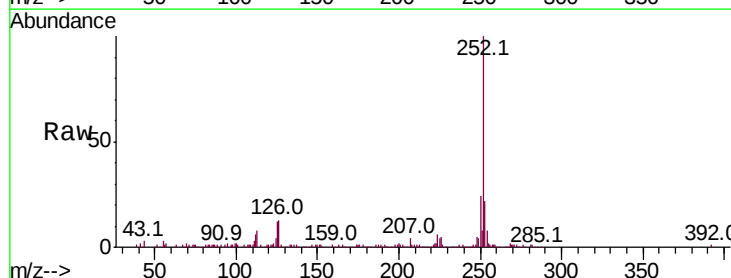
Ion	Ratio	Lower	Upper
264	100		
260	23.8	19.3	28.9
265	22.6	17.6	26.4

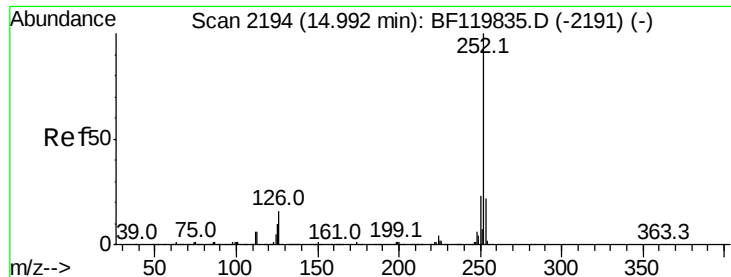


#88
Benzo(b)fluoranthene
Concen: 11.234 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Tgt Ion:252 Resp: 207366

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.9	7.4	11.2#

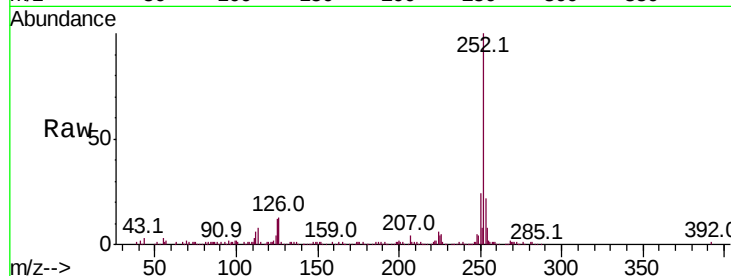




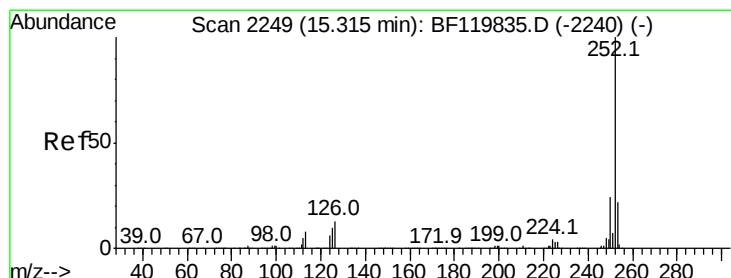
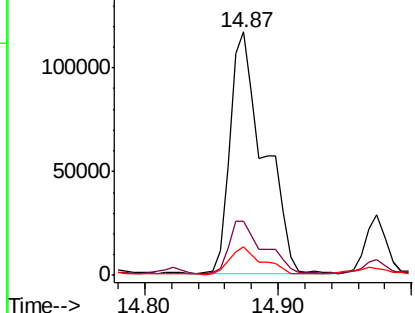
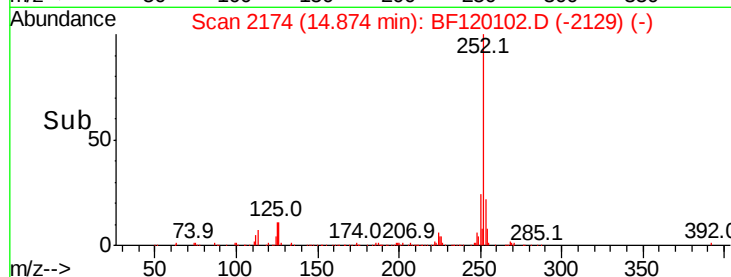
#89
Benzo(k)fluoranthene
Concen: 13.021 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.04 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Instrument :
BNA_F
ClientSampleId :
TP-17-16-COMP

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.9	7.7	11.5#

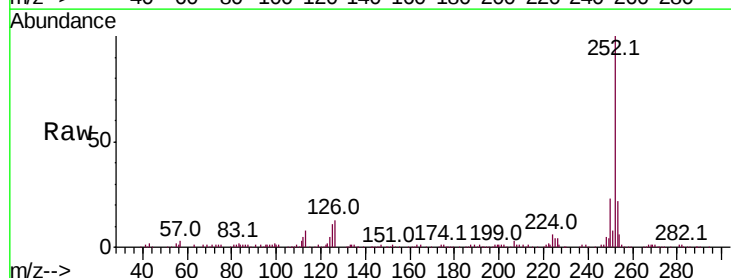


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

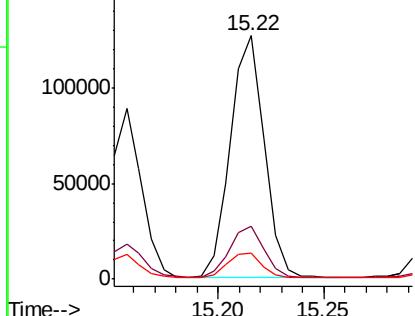
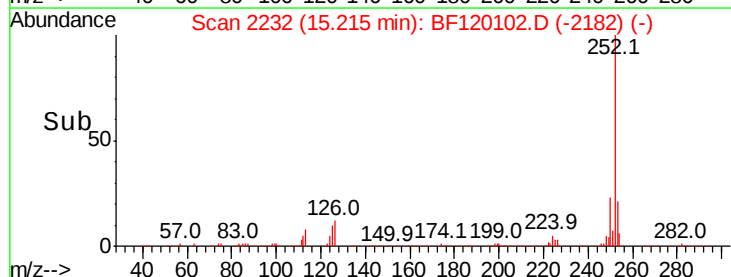


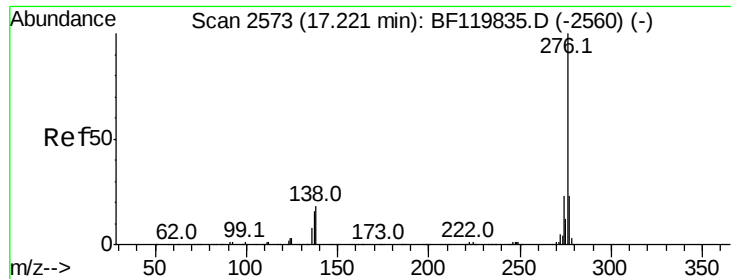
#90
Benzo(a)pyrene
Concen: 9.055 ng
RT: 15.22 min Scan# 2232
Delta R.T. -0.01 min
Lab File: BF120102.D
Acq: 21 Apr 2020 15:13

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.4	26.2
125	10.6	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

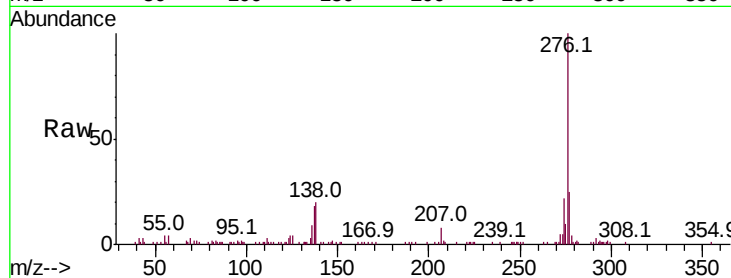




#92
 Benzo(a,h,i)perylene
 Concen: 7.201 ng
 RT: 17.05 min Scan# 2544
 Delta R.T. -0.02 min
 Lab File: BF120102.D
 Acq: 21 Apr 2020 15:13

Instrument :
 BNA_F
 ClientSampleId :
 TP-17-16-COMP

Tot Ion	Ratio	Lower	Upper
276	100		
277	25.3	18.5	27.7
138	20.3	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

