

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF082020\
 Data File : BF121352.D
 Acq On : 20 Aug 2020 17:45
 Operator : JU/CG
 Sample : L3689-11 2X
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Quant Time: Aug 20 18:17:02 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF081920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 20 04:56:10 2020
 Response via : Initial Calibration

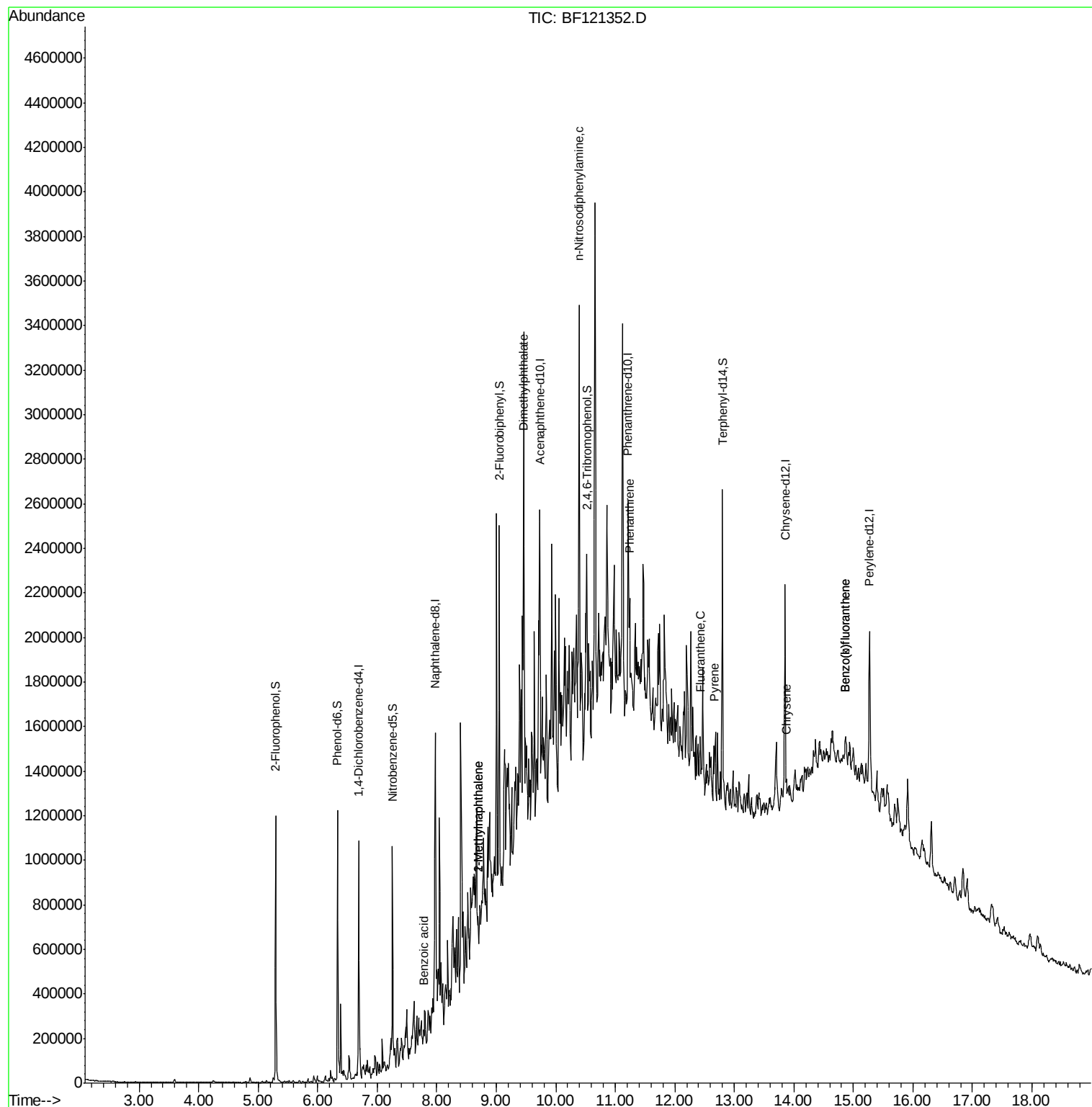
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.69	152	142052	20.00	ng	0.00
21) Naphthalene-d8	7.97	136	526464	20.00	ng	0.00
39) Acenaphthene-d10	9.73	164	242624	20.00	ng	0.00
64) Phenanthrene-d10	11.22	188	426085	20.00	ng	0.00
76) Chrysene-d12	13.85	240	352959	20.00	ng	0.00
86) Perylene-d12	15.27	264	353464	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.29	112	374872	43.27	ng	0.00
7) Phenol-d6	6.33	99	458953	41.50	ng	0.00
23) Nitrobenzene-d5	7.26	82	286550	30.78	ng	0.00
42) 2,4,6-Tribromophenol	10.52	330	109922	38.88	ng	0.00
45) 2-Fluorobiphenyl	9.05	172	537351	34.90	ng	0.00
79) Terphenyl-d14	12.80	244	478793	26.51	ng	0.00
Target Compounds						
20) 3+4-Methylphenols	7.13	107	1868	Below Cal	#	37
32) Benzoic acid	7.77	122	3405	7.600 ng	#	31
37) 2-Methylnaphthalene	8.69	142	59974	3.531 ng		97
38) 1-Methylnaphthalene	8.69	142	59974	3.714 ng		93
50) Dimethylphthalate	9.45	163	66162	3.748 ng	#	94
55) Dibenzofuran	9.93	168	21301	Below Cal	#	1
58) Fluorene	10.28	166	34506	Below Cal	#	83
61) 4-Chlorophenyl-phenylether	10.29	204	1726	Below Cal	#	1
66) n-Nitrosodiphenylamine	10.39	169	102536	7.802 ng	#	48
71) Phenanthrene	11.24	178	149207	6.766 ng	#	93
75) Fluoranthene	12.43	202	79906	3.338 ng		89
78) Pyrene	12.66	202	108216	4.082 ng	#	94
83) Chrysene	13.87	228	46855	2.090 ng	#	74
88) Benzo(b)fluoranthene	14.86	252	52109	2.282 ng	#	37
89) Benzo(k)fluoranthene	14.86	252	52109	2.592 ng	#	37

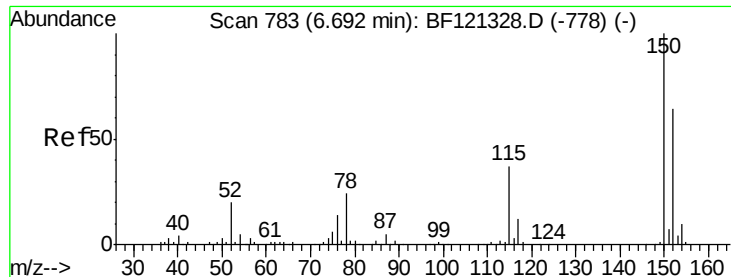
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF121352.D

Acq: 20 Aug 2020 17:45

Instrument :

BNA_F

ClientSampleId :

TP-3

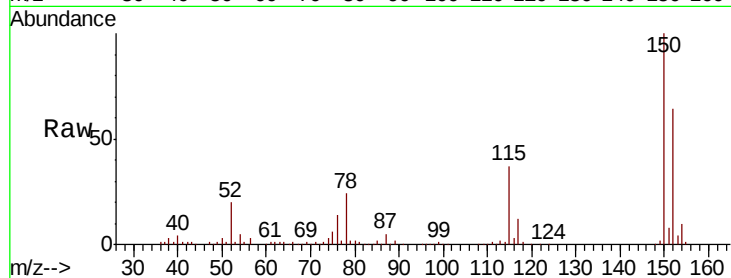
Tot Ion:152 Resp: 142052

Ion Ratio Lower Upper

152 100

150 156.8 124.8 187.2

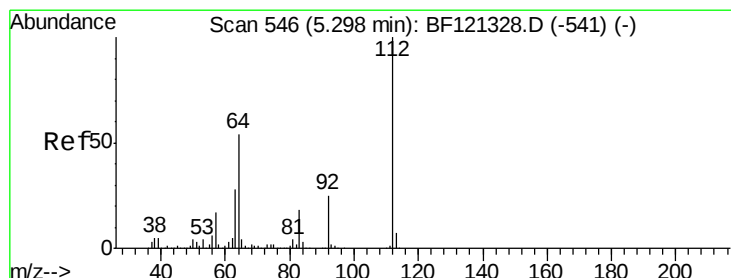
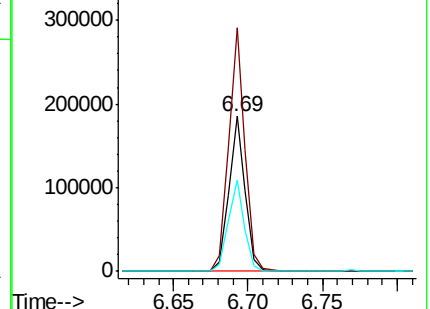
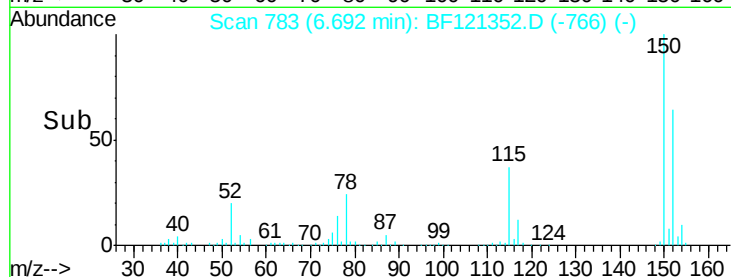
115 58.6 46.1 69.1



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: 43.272 ng

RT: 5.29 min Scan# 545

Delta R.T. -0.01 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

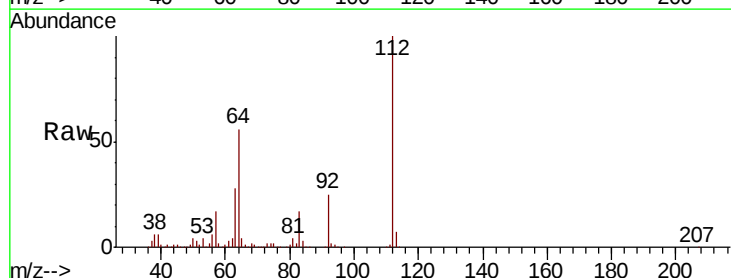
Tgt Ion:112 Resp: 374872

Ion Ratio Lower Upper

112 100

64 56.2 43.5 65.3

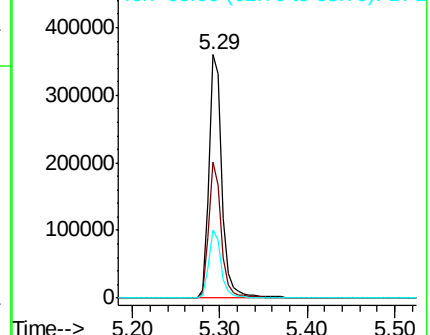
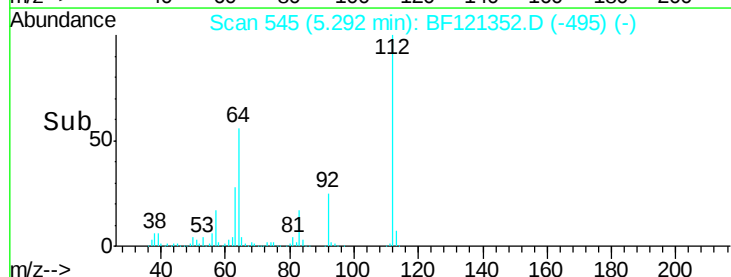
63 28.2 22.0 33.0

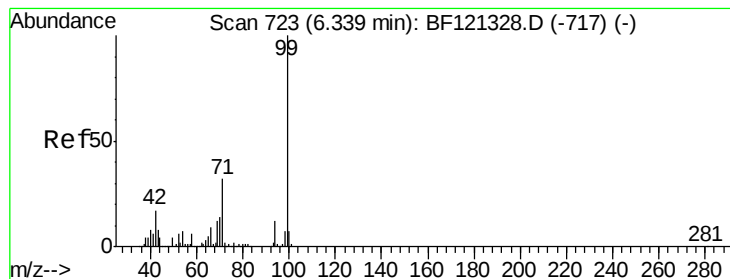


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 41.500 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

Instrument :

BNA_F

ClientSampleId :

TP-3

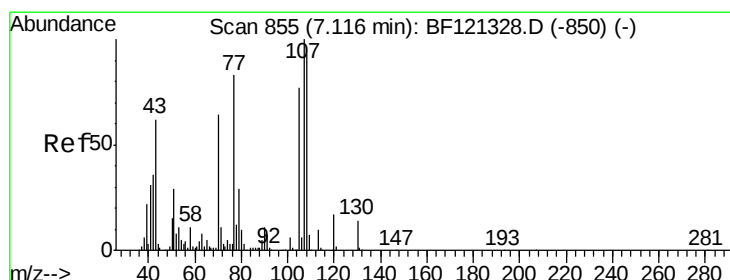
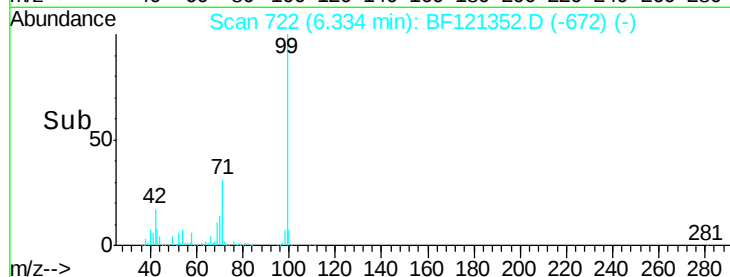
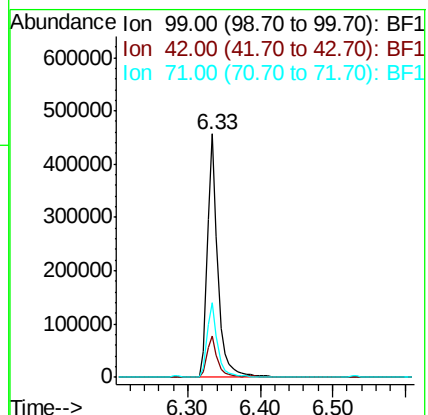
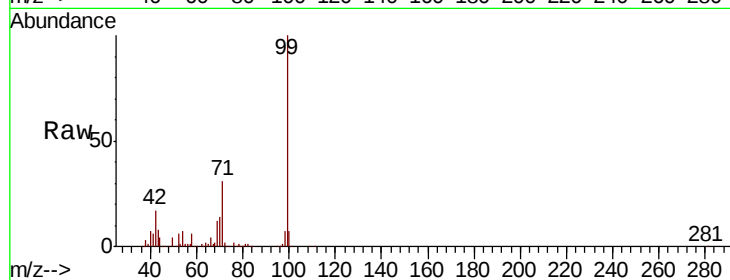
Tot Ion: 99 Resp: 458953

Ion Ratio Lower Upper

99 100

42 17.1 13.5 20.3

71 30.6 25.2 37.8



#20

3+4-Methylphenols

Concen: Below Cal

RT: 7.13 min Scan# 857

Delta R.T. 0.01 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

Tgt Ion: 107 Resp: 1868

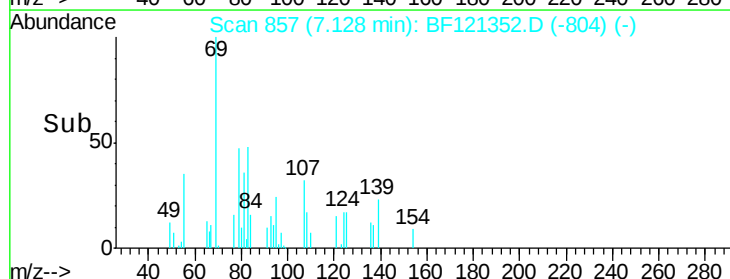
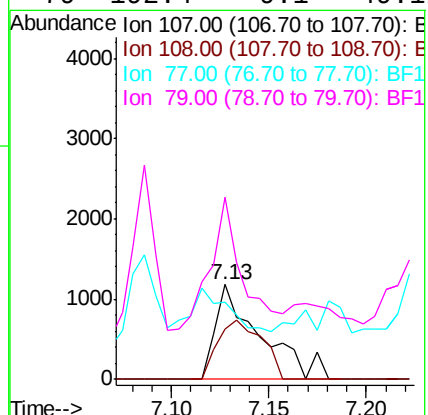
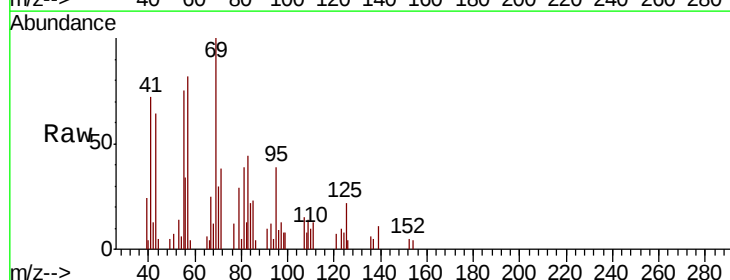
Ion Ratio Lower Upper

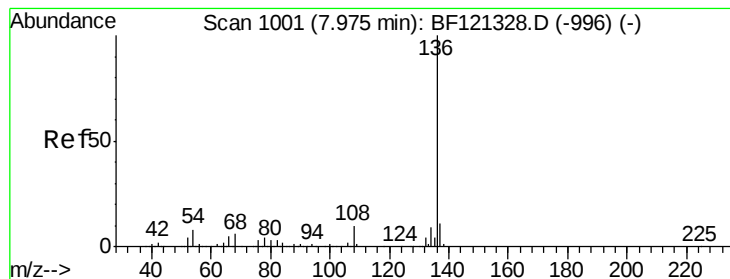
107 100

108 53.0 72.6 112.6#

77 81.4 63.8 103.8

79 192.4 9.1 49.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 7.97 min Scan# 1001

Delta R.T. 0.00 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

Instrument :

BNA_F

ClientSampleId :

TP-3

Tot Ion:136 Resp: 526464

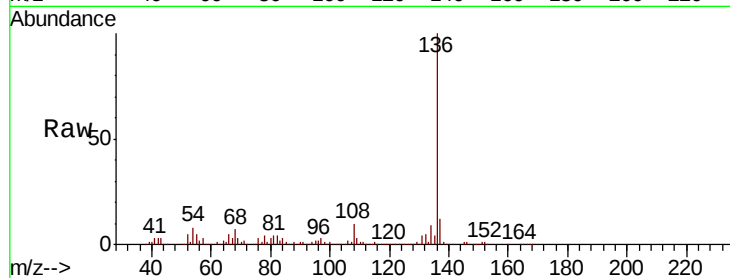
Ion Ratio Lower Upper

136 100

137 11.8 8.9 13.3

54 8.4 6.1 9.1

68 7.1 5.0 7.4

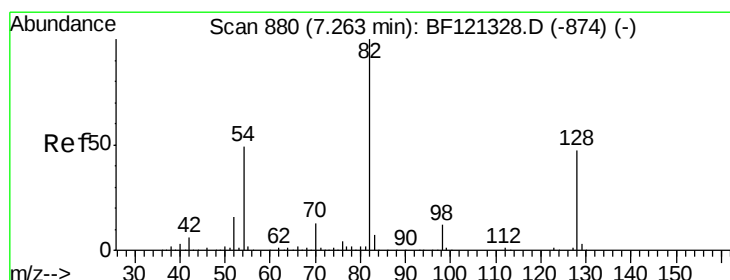
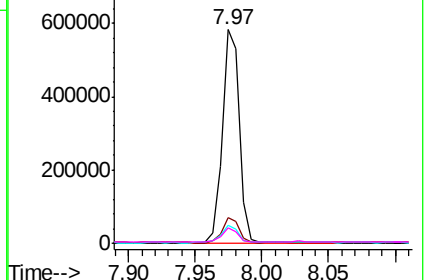
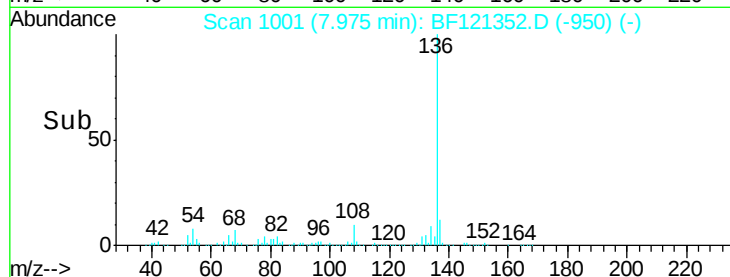


Abundance Ion 136.00 (135.70 to 136.70): E

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: 30.783 ng

RT: 7.26 min Scan# 879

Delta R.T. -0.01 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

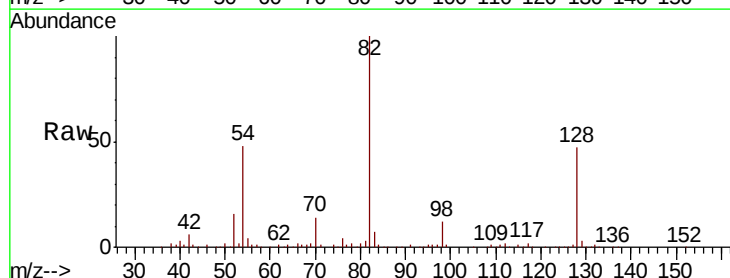
Tgt Ion: 82 Resp: 286550

Ion Ratio Lower Upper

82 100

128 47.0 37.9 56.9

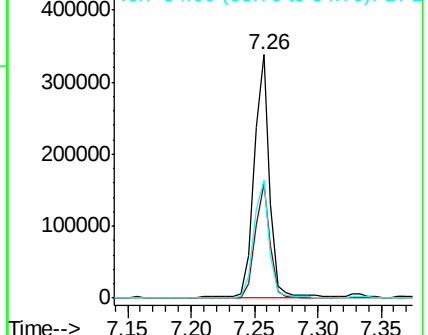
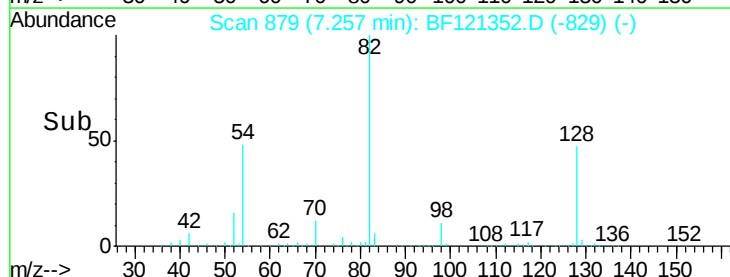
54 48.3 39.0 58.4

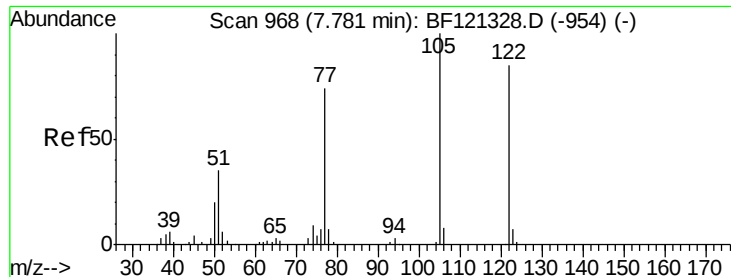


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#32

Benzoic acid

Concen: 7.600 ng

RT: 7.77 min Scan# 967

Delta R.T. -0.01 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

Instrument :

BNA_F

ClientSampled :

TP-3

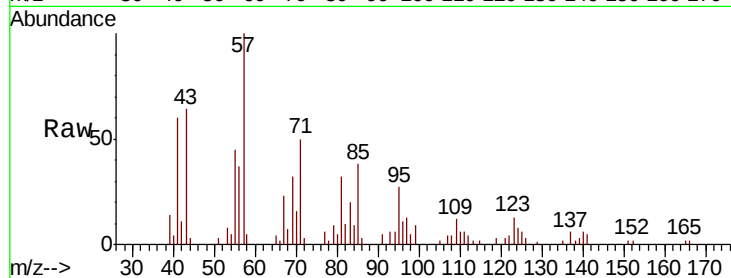
Tot Ion:122 Resp: 3405

Ion Ratio Lower Upper

122 100

105 52.4 96.7 136.7#

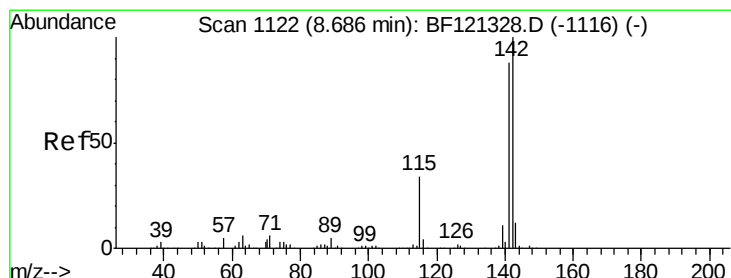
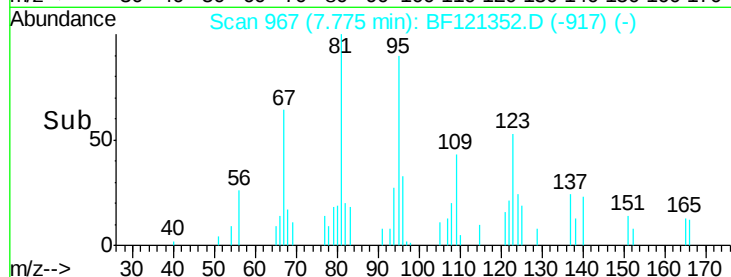
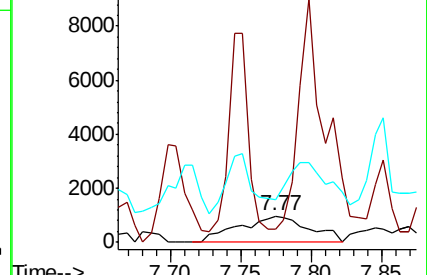
77 162.9 66.7 106.7#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#37

2-Methylnaphthalene

Concen: 3.531 ng

RT: 8.69 min Scan# 1123

Delta R.T. 0.01 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

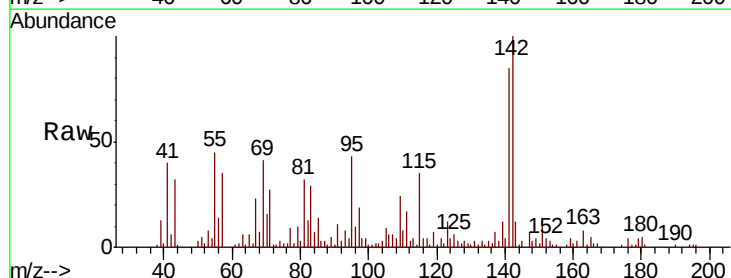
Tgt Ion:142 Resp: 59974

Ion Ratio Lower Upper

142 100

141 85.1 70.3 105.5

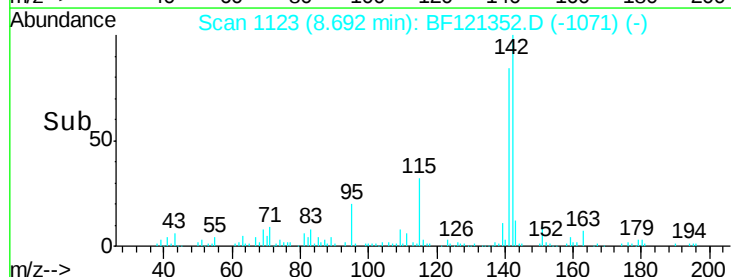
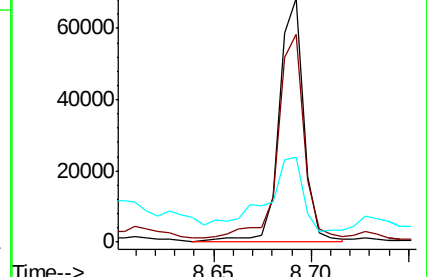
115 35.0 26.9 40.3

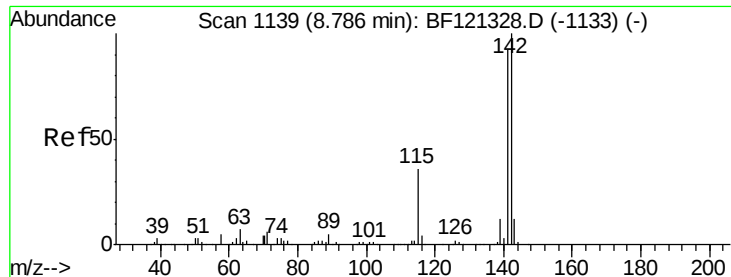


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

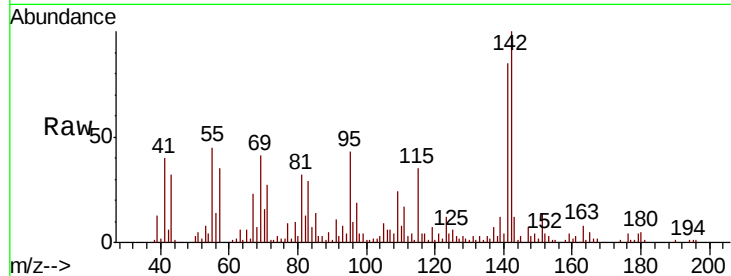




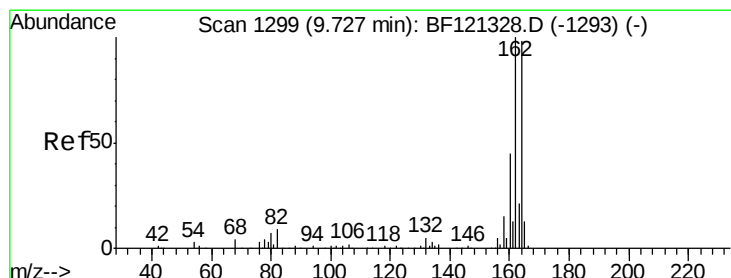
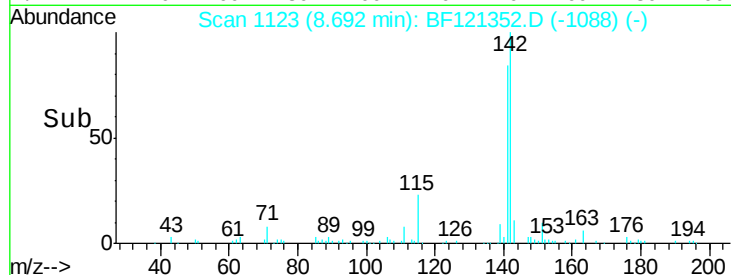
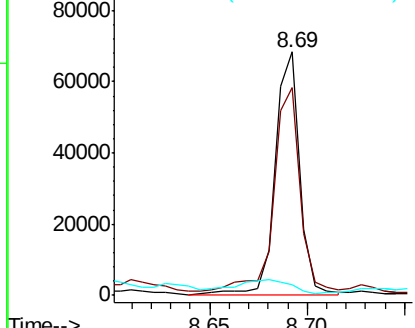
#38
 1-Methylnaphthalene
 Concen: 3.714 ng
 RT: 8.69 min Scan# 1123
 Delta R.T. -0.09 min
 Lab File: BF121352.D
 Acq: 20 Aug 2020 17:45

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion:142 Resp: 59974
 Ion Ratio Lower Upper
 142 100
 141 85.1 73.6 110.4
 116 4.2 3.0 4.4

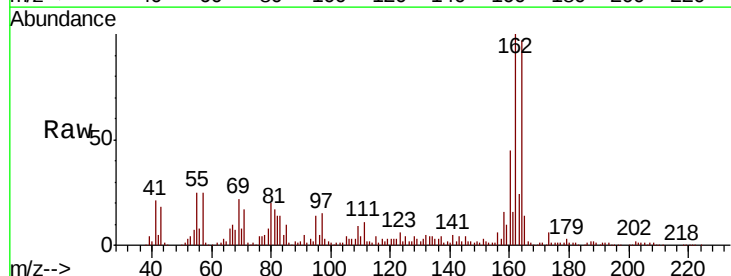


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

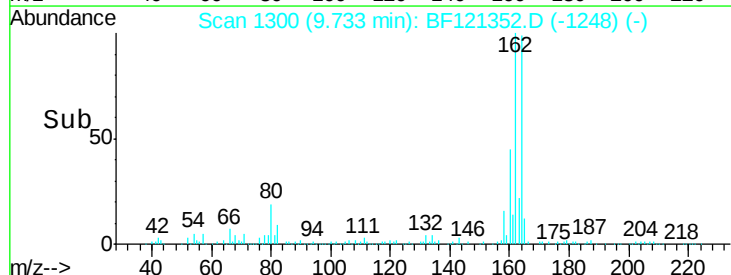
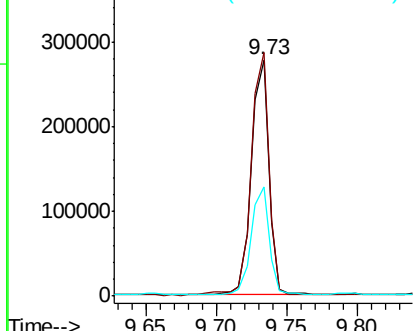


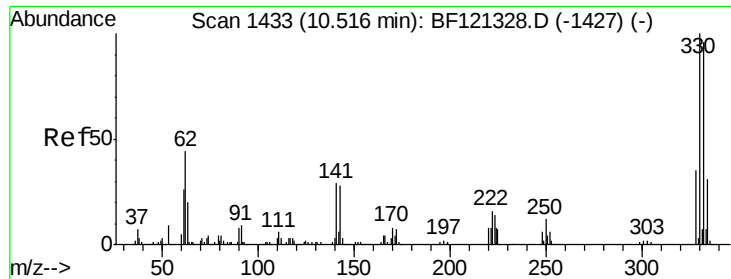
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.73 min Scan# 1300
 Delta R.T. 0.01 min
 Lab File: BF121352.D
 Acq: 20 Aug 2020 17:45

Tgt Ion:164 Resp: 242624
 Ion Ratio Lower Upper
 164 100
 162 102.9 81.7 122.5
 160 46.2 37.0 55.4



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

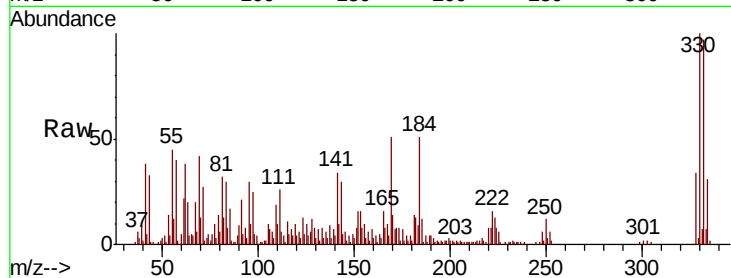




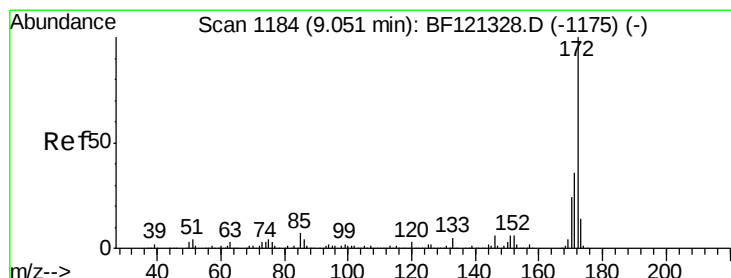
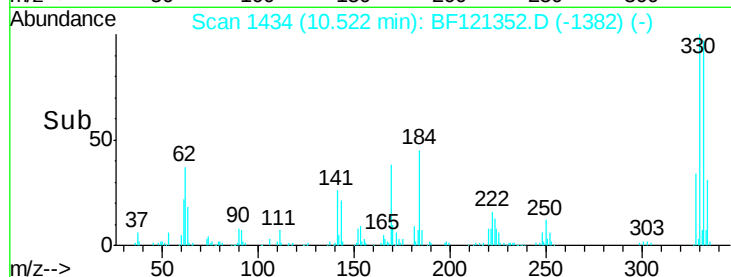
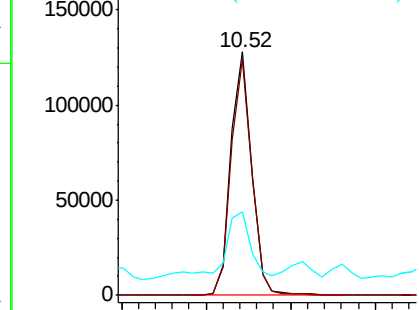
#42
 2,4,6-Tribromophenol
 Concen: 38.878 ng
 RT: 10.52 min Scan# 1434
 Delta R.T. 0.01 min
 Lab File: BF121352.D
 Acq: 20 Aug 2020 17:45

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion:330 Resp: 109922
 Ion Ratio Lower Upper
 330 100
 332 96.6 76.9 115.3
 141 28.8 22.8 34.2

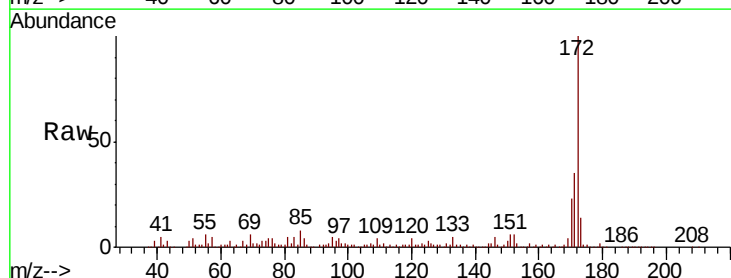


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

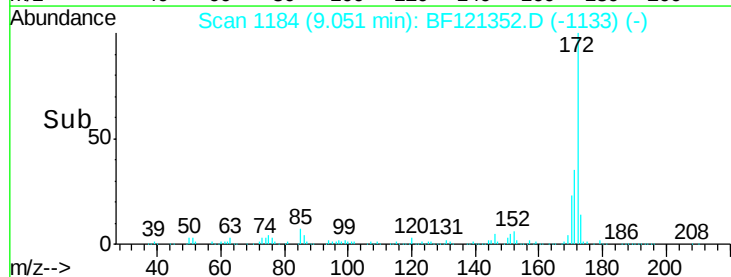
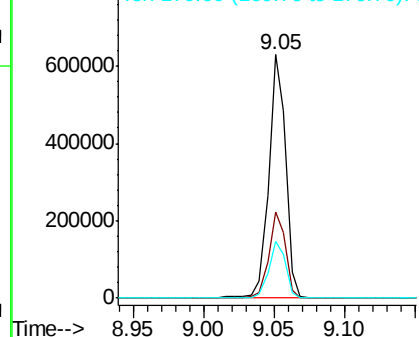


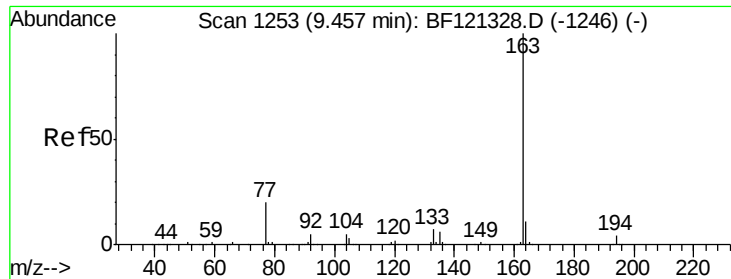
#45
 2-Fluorobiphenyl
 Concen: 34.896 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. 0.00 min
 Lab File: BF121352.D
 Acq: 20 Aug 2020 17:45

Tgt Ion:172 Resp: 537351
 Ion Ratio Lower Upper
 172 100
 171 35.4 29.0 43.6
 170 23.4 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

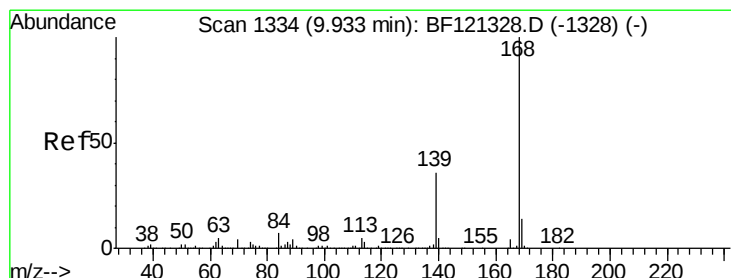
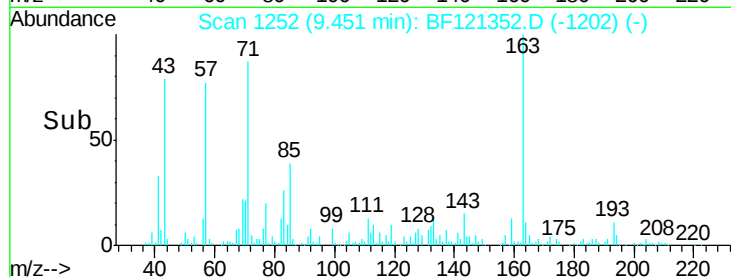
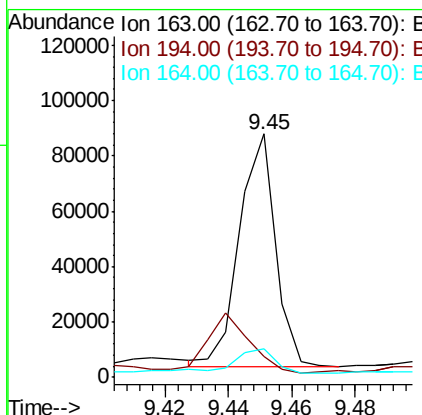
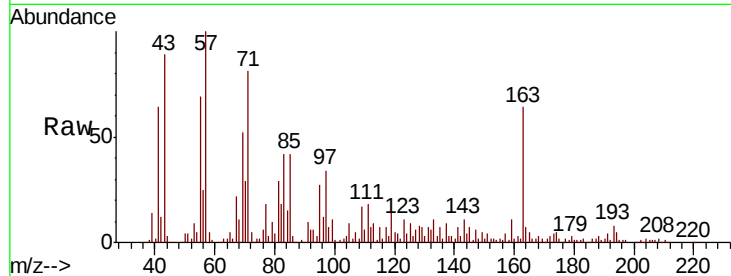




#50
Dimethylphthalate
Concen: 3.748 ng
RT: 9.45 min Scan# 1252
Delta R.T. -0.01 min
Lab File: BF121352.D
Acq: 20 Aug 2020 17:45

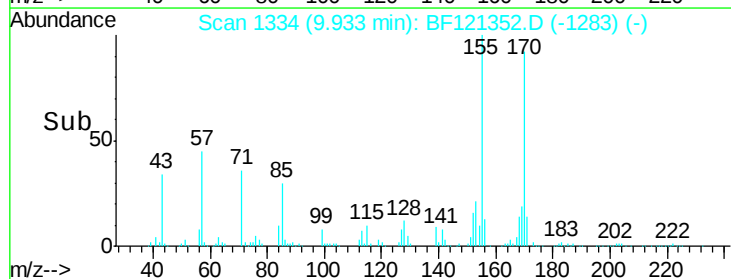
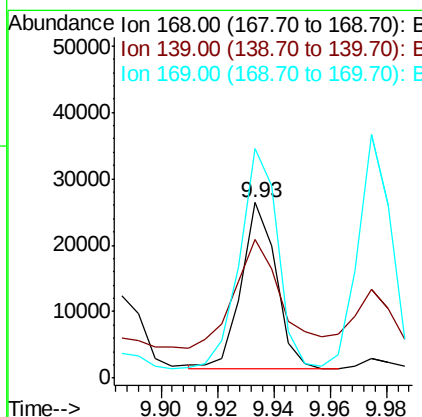
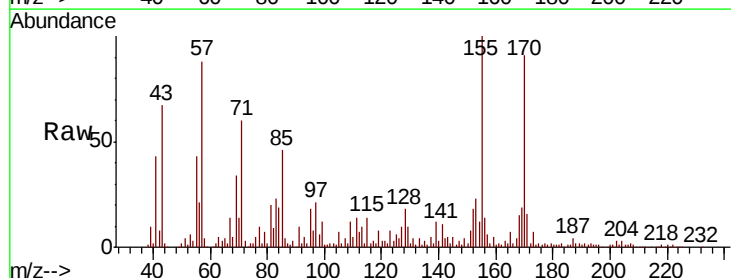
Instrument :
BNA_F
ClientSampleId :
TP-3

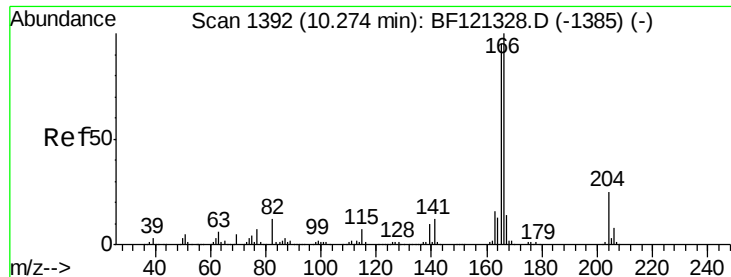
Tot Ion:163 Resp: 66162
Ion Ratio Lower Upper
163 100
194 8.5 3.0 4.6#
164 11.6 8.4 12.6



#55
Dibenzofuran
Concen: Below Cal
RT: 9.93 min Scan# 1334
Delta R.T. 0.00 min
Lab File: BF121352.D
Acq: 20 Aug 2020 17:45

Tgt Ion:168 Resp: 21301
Ion Ratio Lower Upper
168 100
139 79.2 29.1 43.7#
169 131.1 11.0 16.6#





#58

Fluorene

Concen: Below Cal

RT: 10.28 min Scan# 1393

Delta R.T. 0.01 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

Instrument :

BNA_F

ClientSampleId :

TP-3

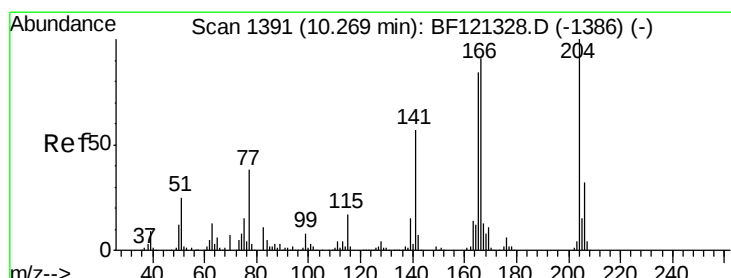
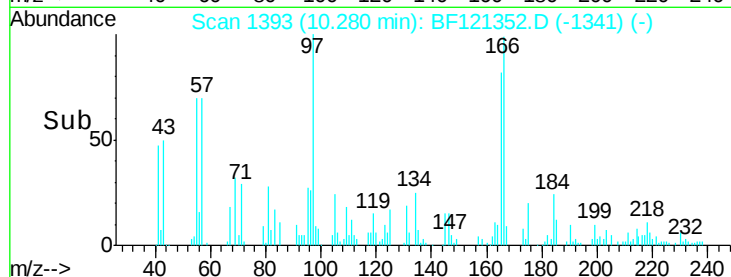
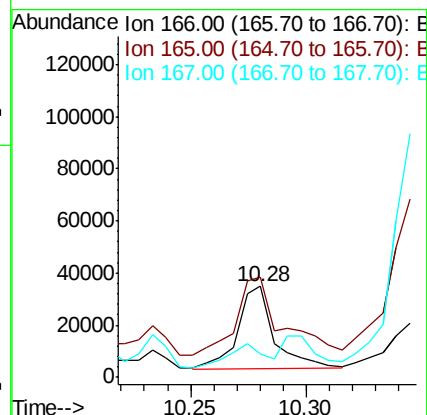
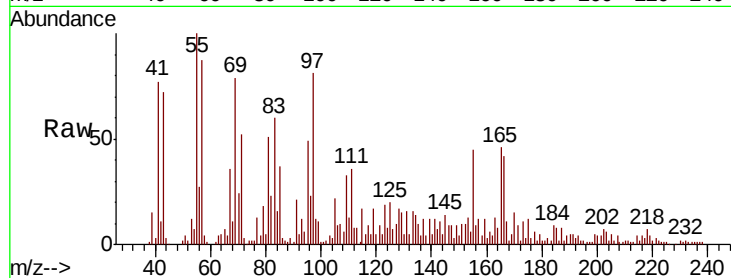
Tot Ion:166 Resp: 34506

Ion Ratio Lower Upper

166 100

165 109.6 75.8 113.8

167 25.3 11.0 16.4#



#61

4-Chlorophenyl-phenylether

Concen: Below Cal

RT: 10.29 min Scan# 1394

Delta R.T. 0.02 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

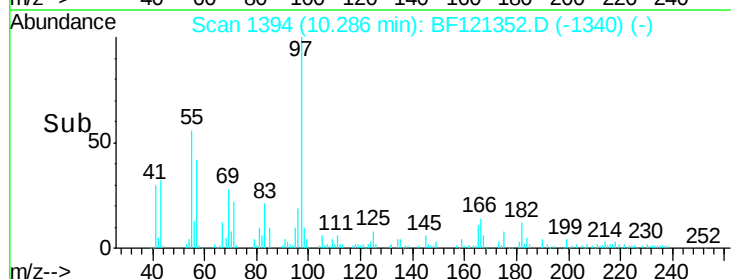
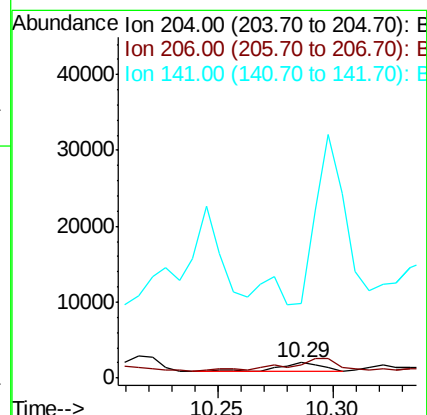
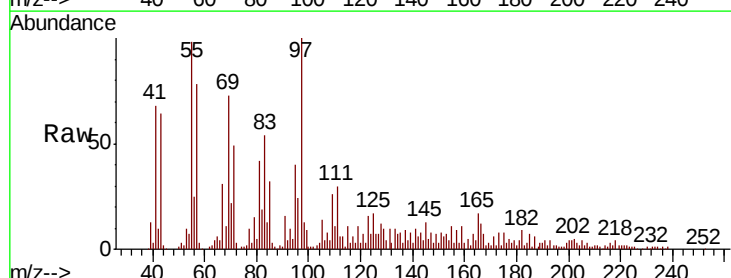
Tgt Ion:204 Resp: 1726

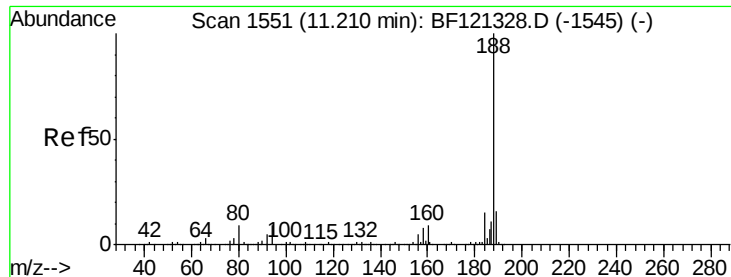
Ion Ratio Lower Upper

204 100

206 82.8 25.9 38.9#

141 484.3 45.5 68.3#

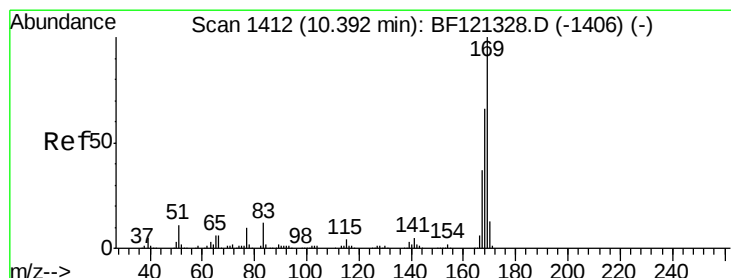
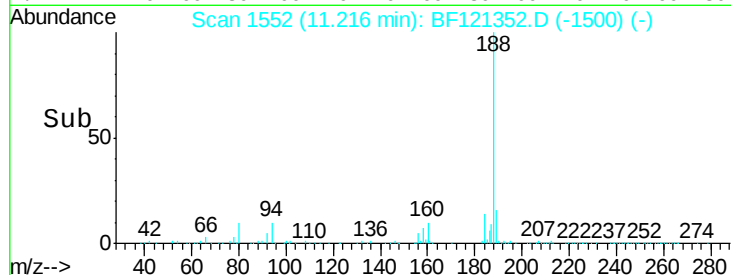
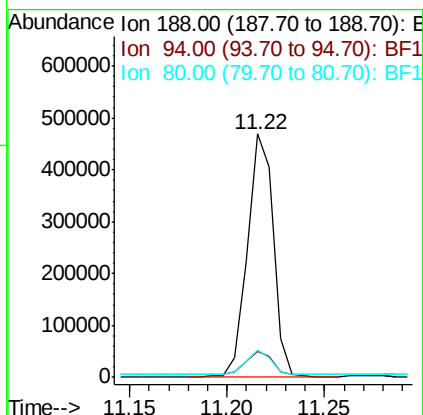
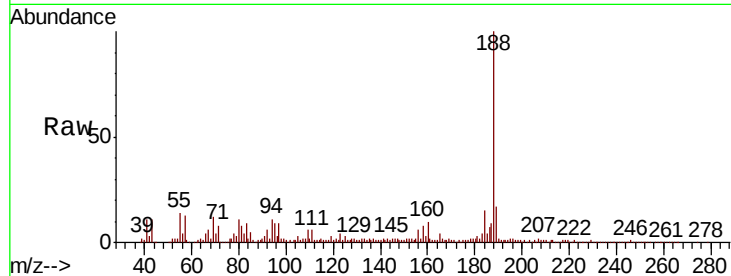




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.22 min Scan# 1552
Delta R.T. 0.01 min
Lab File: BF121352.D
Acq: 20 Aug 2020 17:45

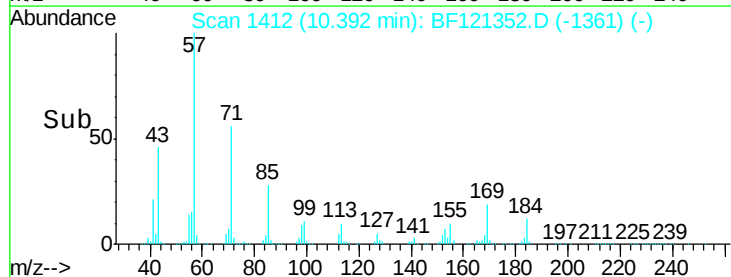
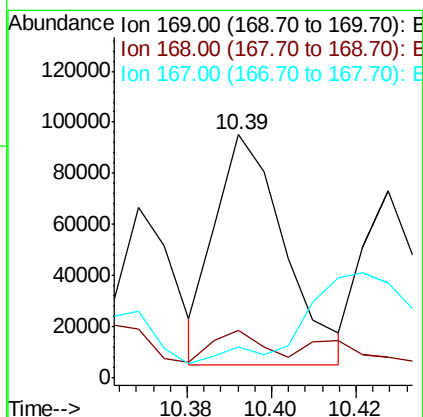
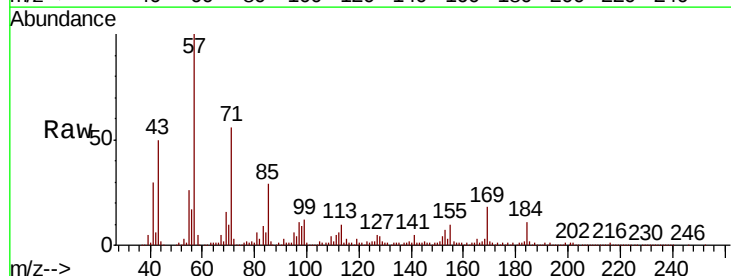
Instrument :
BNA_F
ClientSampleId :
TP-3

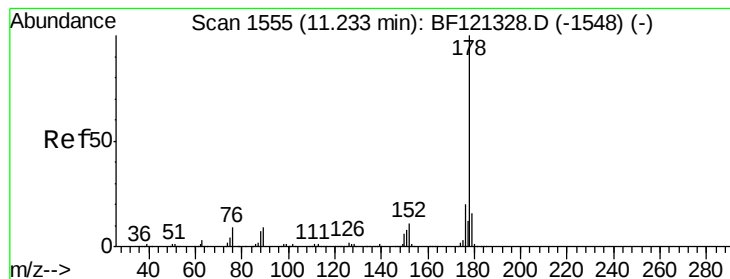
Tot Ion:188 Resp: 426085
Ion Ratio Lower Upper
188 100
94 10.6 7.2 10.8
80 11.4 7.4 11.0#



#66
n-Nitrosodiphenylamine
Concen: 7.802 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.00 min
Lab File: BF121352.D
Acq: 20 Aug 2020 17:45

Tgt Ion:169 Resp: 102536
Ion Ratio Lower Upper
169 100
168 19.8 53.0 79.6#
167 12.7 29.5 44.3#





#71

Phenanthrene

Concen: 6.766 ng

RT: 11.24 min Scan# 1556

Delta R.T. 0.01 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

Instrument :

BNA_F

ClientSampleId :

TP-3

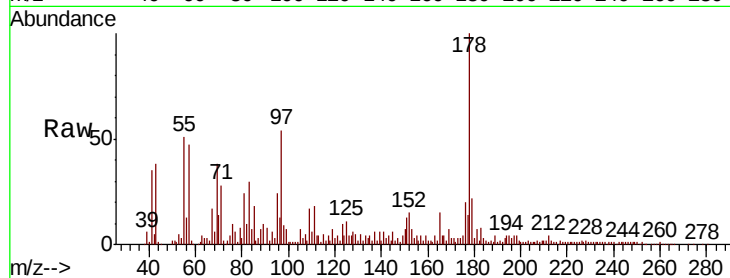
Tot Ion:178 Resp: 149207

Ion Ratio Lower Upper

178 100

176 19.6 16.0 24.0

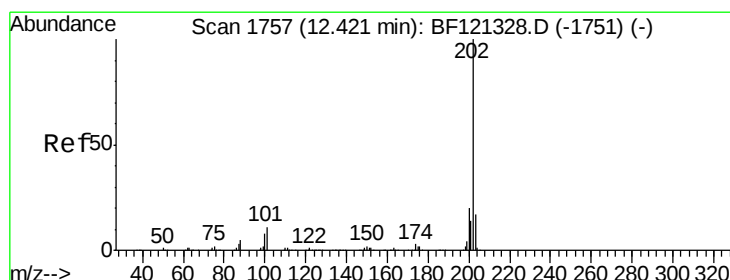
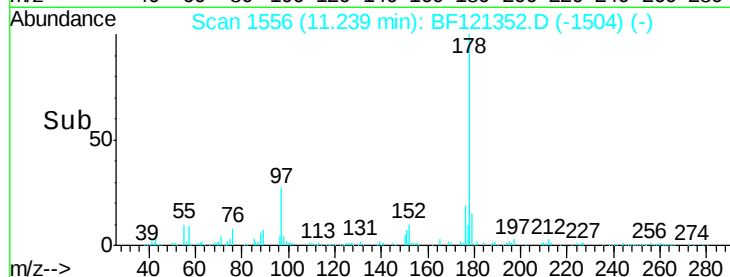
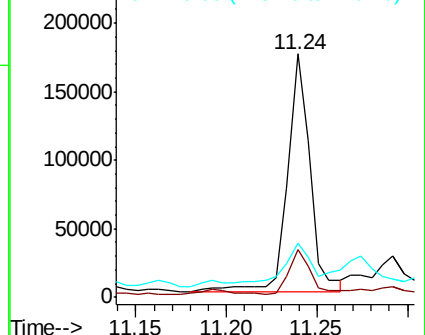
179 22.2 12.8 19.2#



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: 3.338 ng

RT: 12.43 min Scan# 1758

Delta R.T. 0.01 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

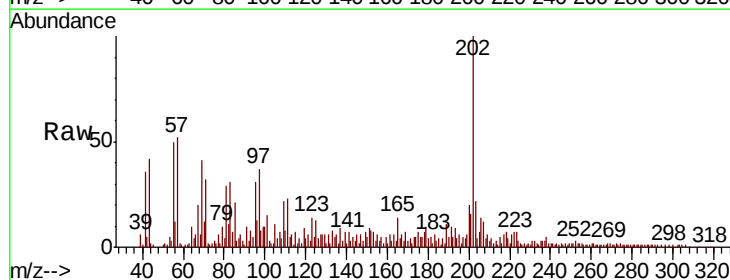
Tgt Ion:202 Resp: 79906

Ion Ratio Lower Upper

202 100

101 14.6 0.0 30.6

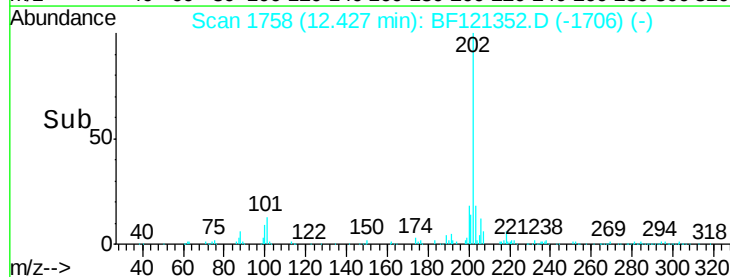
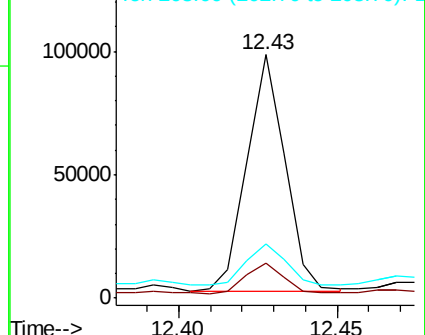
203 22.5 0.0 37.5

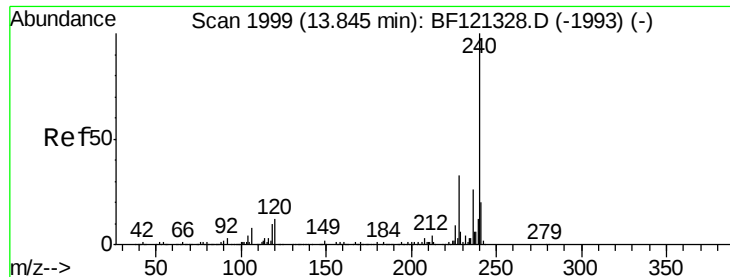


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.85 min Scan# 2000

Delta R.T. 0.01 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

Instrument :

BNA_F

ClientSampleId :

TP-3

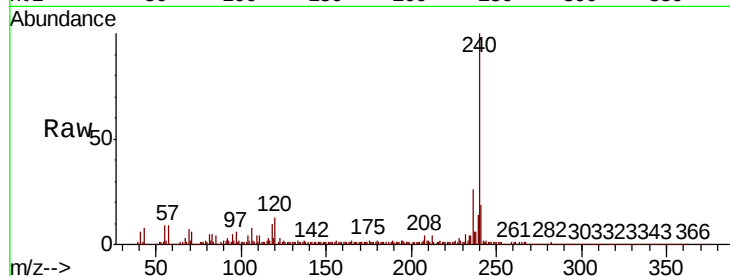
Tot Ion:240 Resp: 352959

Ion Ratio Lower Upper

240 100

120 12.6 9.6 14.4

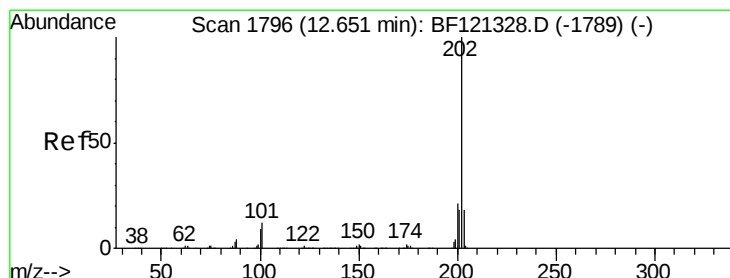
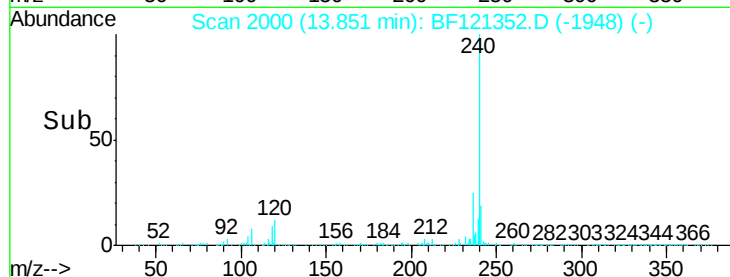
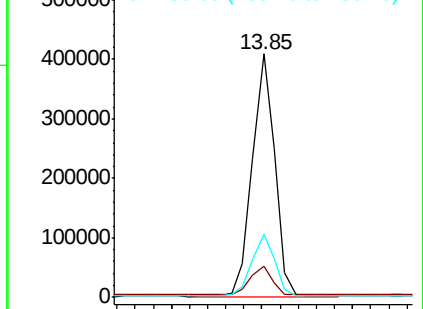
236 26.1 20.6 31.0



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: 4.082 ng

RT: 12.66 min Scan# 1797

Delta R.T. 0.01 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

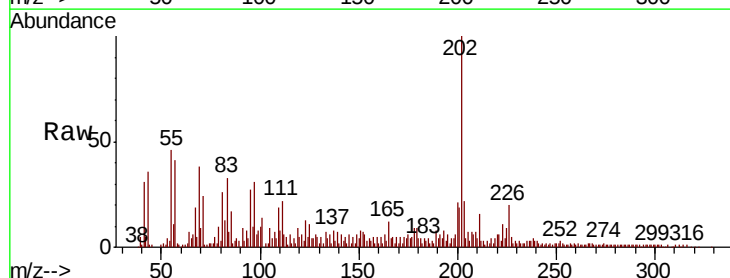
Tgt Ion:202 Resp: 108216

Ion Ratio Lower Upper

202 100

200 21.5 16.6 24.8

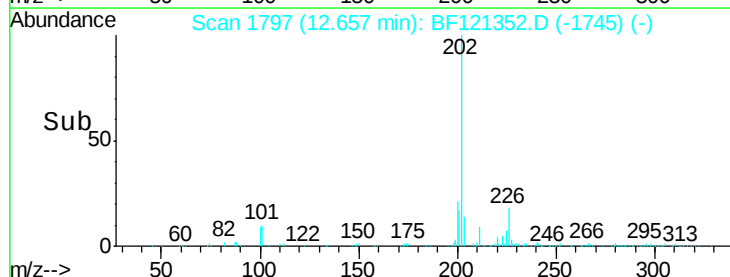
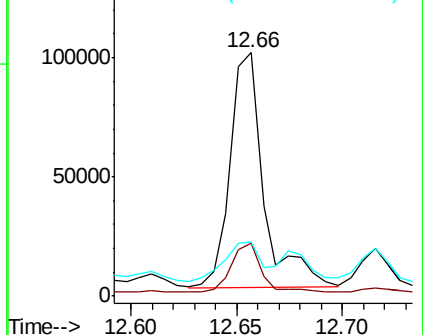
203 22.2 14.2 21.2#

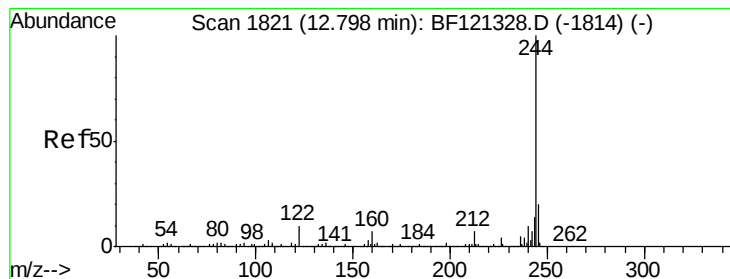


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 26.508 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.00 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

Instrument :

BNA_F

ClientSampleId :

TP-3

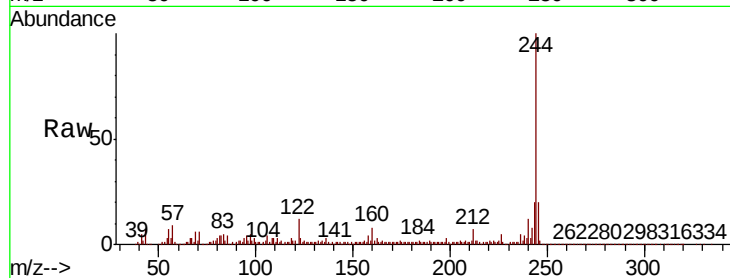
Tot Ion:244 Resp: 478793

Ion Ratio Lower Upper

244 100

212 7.2 5.4 8.0

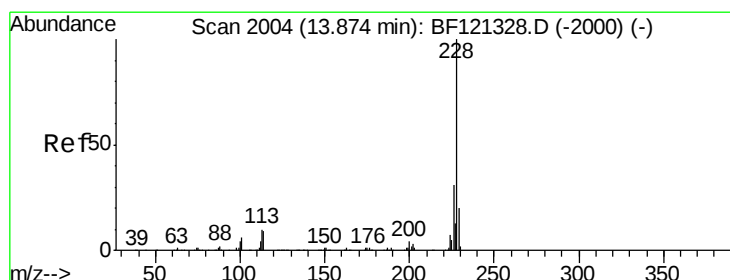
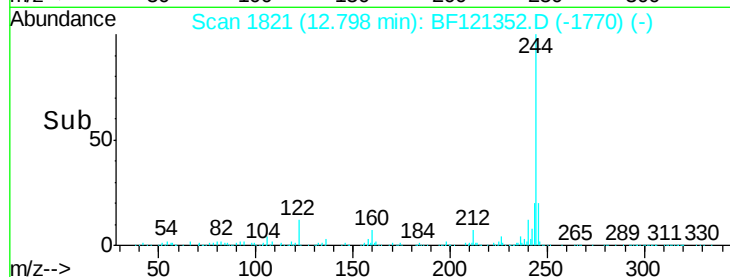
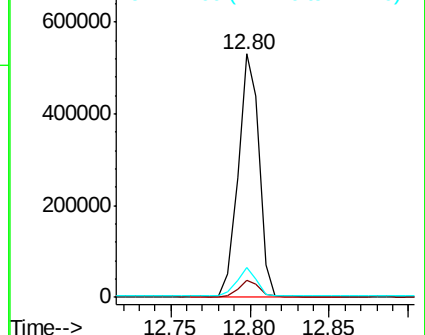
122 12.3 7.8 11.8#



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



#83

Chrysene

Concen: 2.090 ng

RT: 13.87 min Scan# 2004

Delta R.T. 0.00 min

Lab File: BF121352.D

Acq: 20 Aug 2020 17:45

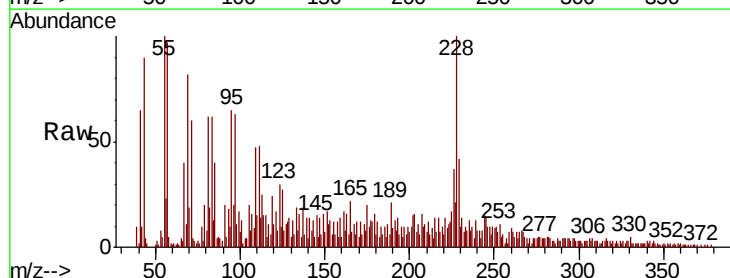
Tgt Ion:228 Resp: 46855

Ion Ratio Lower Upper

228 100

226 36.7 24.6 36.8

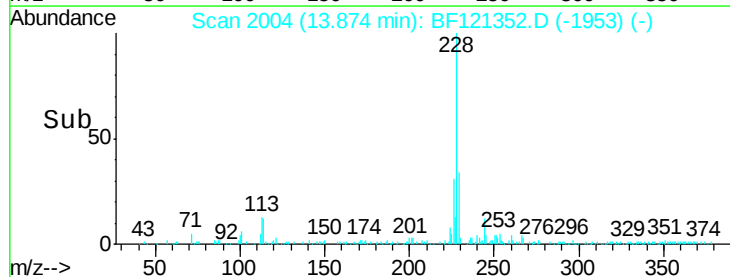
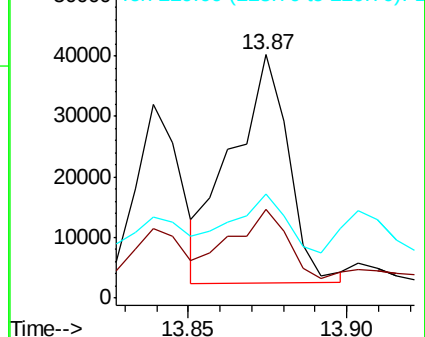
229 42.5 15.9 23.9#

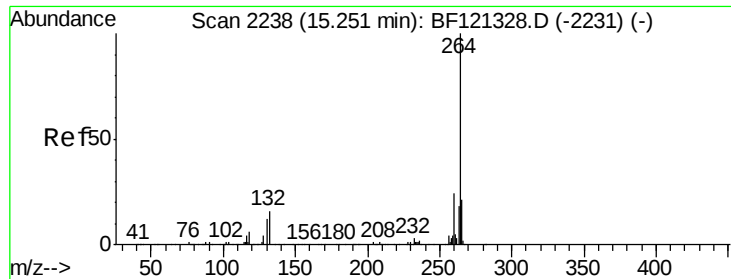


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

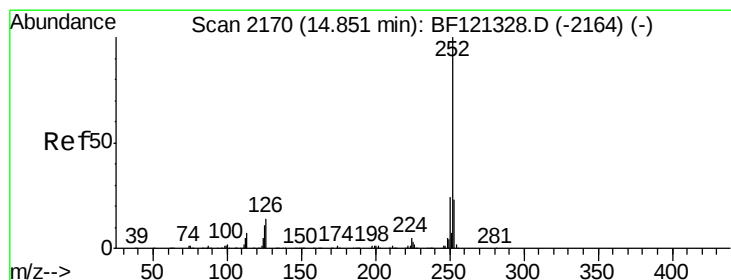
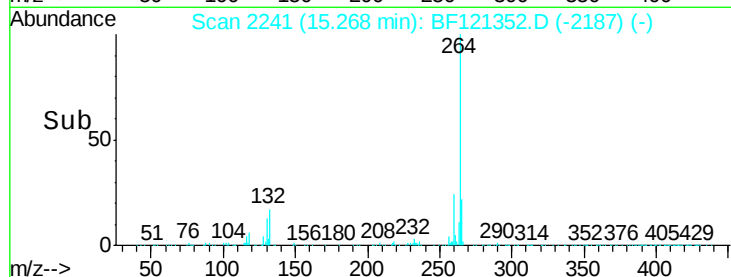
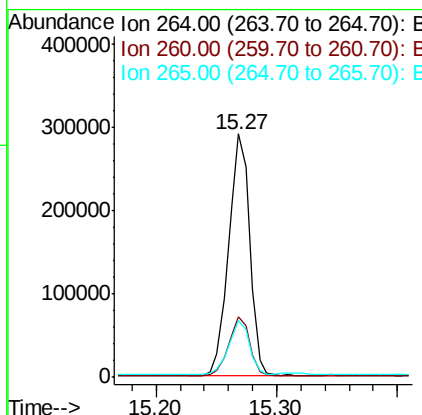
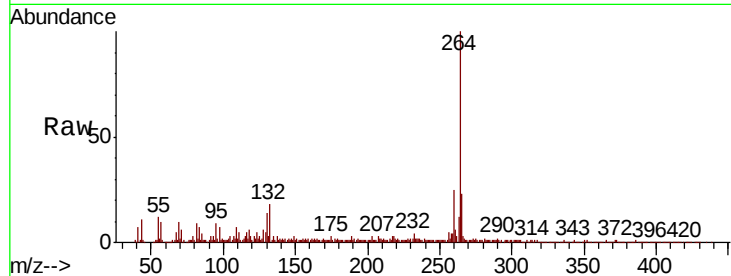




#86
Pervlene-d12
Concen: 20.000 ng
RT: 15.27 min Scan# 2241
Delta R.T. 0.02 min
Lab File: BF121352.D
Acq: 20 Aug 2020 17:45

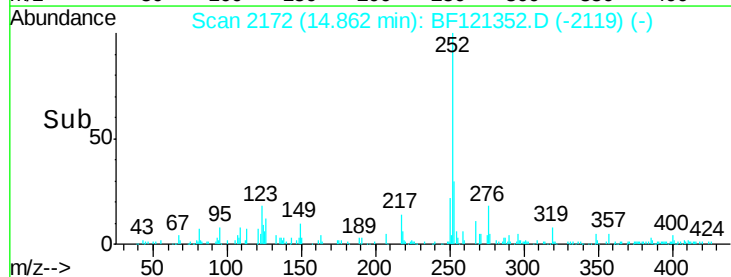
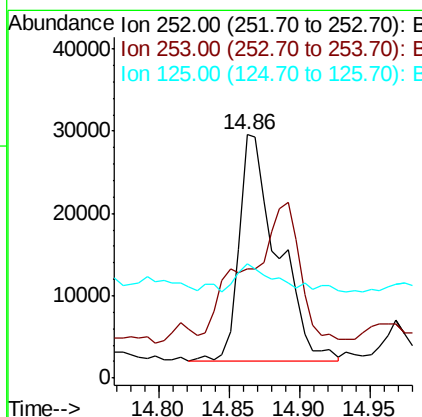
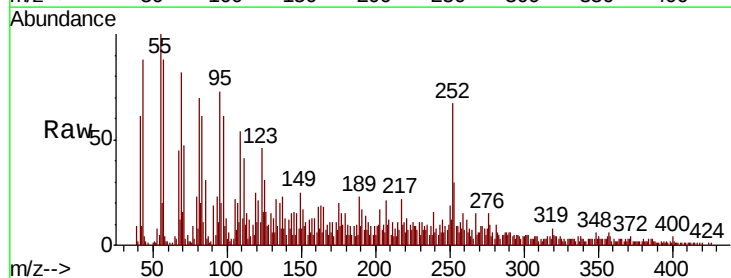
Instrument :
BNA_F
ClientSampleId :
TP-3

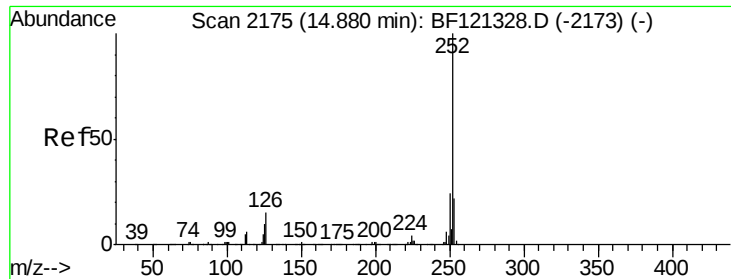
Tot Ion	Ratio	Lower	Upper
264	100		
260	24.7	19.5	29.3
265	23.1	17.1	25.7



#88
Benzo(b)fluoranthene
Concen: 2.282 ng
RT: 14.86 min Scan# 2172
Delta R.T. 0.01 min
Lab File: BF121352.D
Acq: 20 Aug 2020 17:45

Tgt Ion	Ratio	Lower	Upper
252	100		
253	45.0	18.0	27.0#
125	46.9	8.6	12.8#





#89
 Benzo(k)fluoranthene
 Concen: 2.592 ng
 RT: 14.86 min Scan# 2172
 Delta R.T. -0.02 min
 Lab File: BF121352.D
 Acq: 20 Aug 2020 17:45

Instrument :
 BNA_F
 ClientSampleId :
 TP-3

Tot Ion	Ratio	Lower	Upper
252	100		
253	45.0	17.9	26.9#
125	46.9	8.6	12.8#

