

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040320\
 Data File : BF119752.D
 Acq On : 4 Apr 2020 8:29
 Operator : MA/SJ
 Sample : L2129-11
 Misc :
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Quant Time: Apr 06 00:30:21 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF031820.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 01 11:59:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	190052	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	677357	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	320861	20.00	ng	-0.02
64) Phenanthrene-d10	11.34	188	514934	20.00	ng	-0.01
76) Chrysene-d12	13.99	240	314121	20.00	ng	0.00
87) Perylene-d12	15.44	264	335932	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1802208	150.96	ng	0.01
7) Phenol-d6	6.44	99	2306720	151.25	ng	0.00
23) Nitrobenzene-d5	7.37	82	1444675	115.91	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	484874	146.48	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2308933	106.61	ng	-0.01
79) Terphenyl-d14	12.93	244	1813717	113.12	ng	-0.01

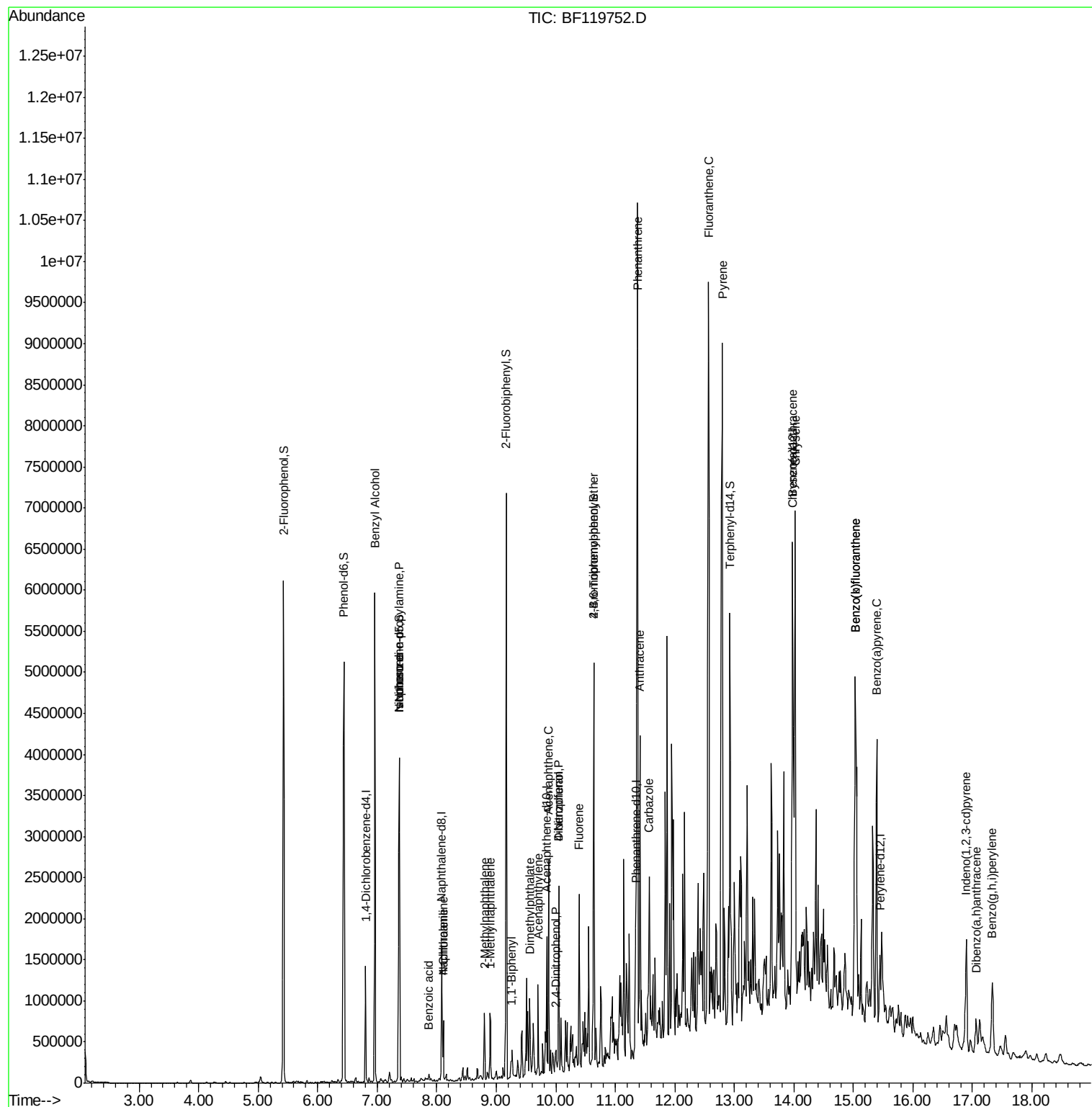
Target Compounds						Qvalue
15) Benzyl Alcohol	6.96	79	24164	2.11	ng	# 48
19) n-Nitroso-di-n-propylamine	7.37	70	191548	20.84	ng	# 74
25) Isophorone	7.37	82	1439892	56.95	ng	# 65
31) Naphthalene	8.11	128	280212	8.04	ng	97
32) Benzoic acid	7.87	122	16795	2.41	ng	# 17
33) 4-Chloroaniline	8.11	127	36079	2.26	ng	# 28
37) 2-Methylnaphthalene	8.80	142	218952	9.57	ng	98
38) 1-Methylnaphthalene	8.90	142	215276	9.94	ng	98
46) 1,1'-Biphenyl	9.26	154	85231	3.26	ng	94
49) Acenaphthylene	9.70	152	337056	10.49	ng	98
50) Dimethylphthalate	9.56	163	317960	13.95	ng	99
52) Acenaphthene	9.88	154	497521	24.83	ng	98
54) 2,4-Dinitrophenol	9.99	184	130	7.33	ng	# 1
55) Dibenzofuran	10.05	168	652110	22.70	ng	97
56) 4-Nitrophenol	10.05	139	240115	49.35	ng	# 6
58) Fluorene	10.39	166	560977	26.40	ng	99
67) 4-Bromophenyl-phenylether	10.64	248	28787	4.91	ng	# 1
71) Phenanthrene	11.37	178	5695216	213.30	ng	96
72) Anthracene	11.42	178	1361978	50.19	ng	99
73) Carbazole	11.57	167	829749	30.89	ng	98
75) Fluoranthene	12.57	202	5402464	186.96	ng	96
78) Pyrene	12.80	202	4582071	177.74	ng	97
81) Benzo(a)anthracene	13.98	228	2847166	139.38	ng	95
83) Chrysene	14.02	228	2486216	117.93	ng	96
86) Indeno(1,2,3-cd)pyrene	16.90	276	903976	45.53	ng	97
88) Benzo(b)fluoranthene	15.03	252	3771550	168.07	ng	# 95
89) Benzo(k)fluoranthene	15.03	252	3771550	176.51	ng	96
90) Benzo(a)pyrene	15.39	252	1861329	91.27	ng	97
91) Dibenzo(a,h)anthracene	17.06	278	272592	15.28	ng	97
92) Benzo(g,h,i)perylene	17.33	276	745688	41.61	ng	98

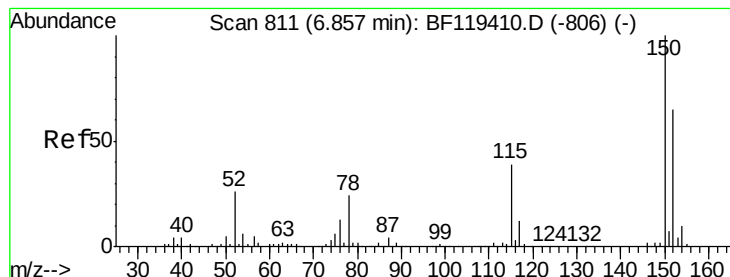
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.80 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

Instrument :

BNA_F

ClientSampled :

TP-7

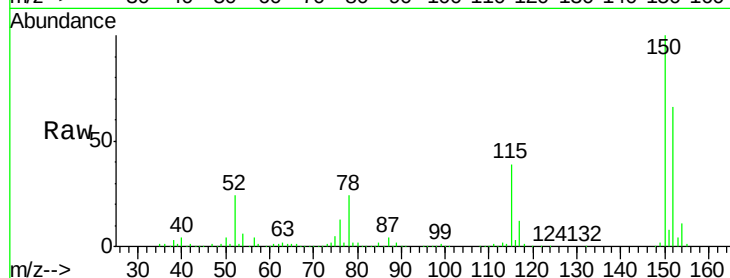
Tgt Ion:152 Resp: 190052

Ion Ratio Lower Upper

152 100

150 152.2 124.5 186.7

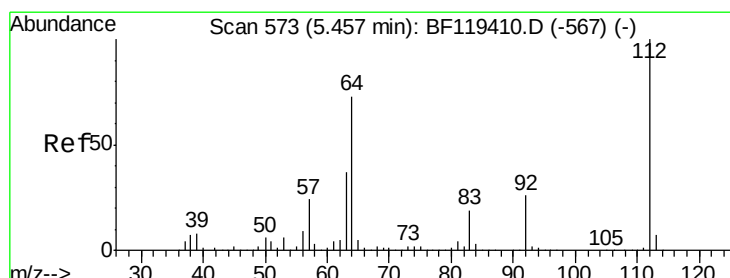
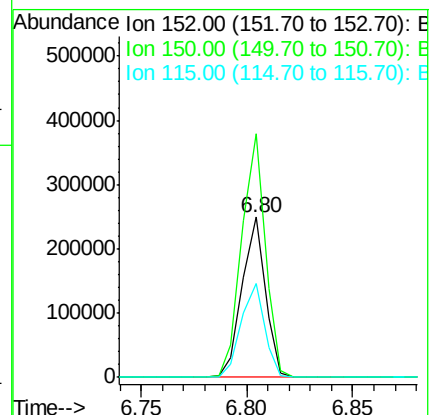
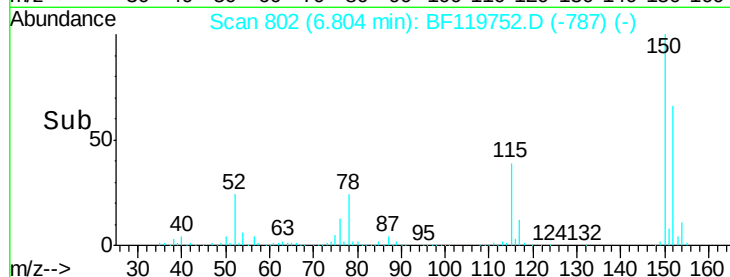
115 58.8 49.6 74.4



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: 150.96 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

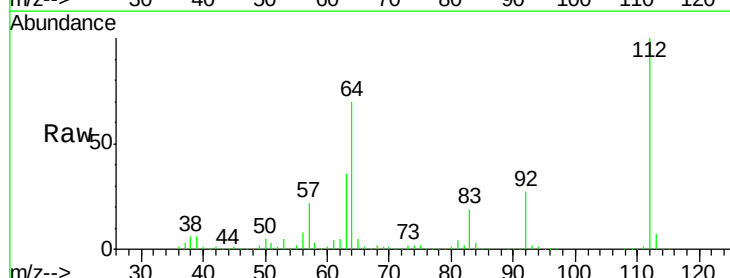
Tgt Ion:112 Resp: 1802208

Ion Ratio Lower Upper

112 100

64 69.6 56.7 85.1

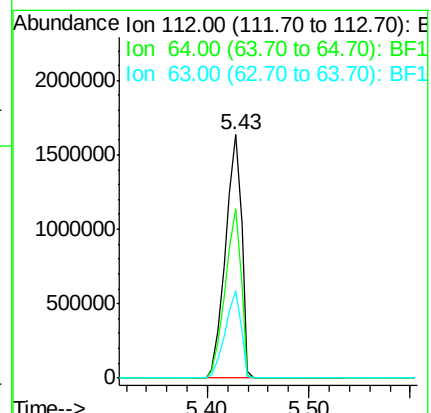
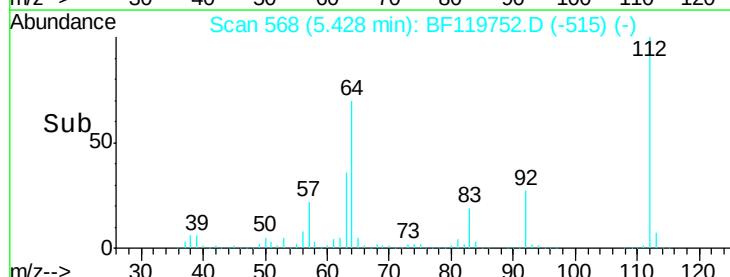
63 35.8 29.5 44.3

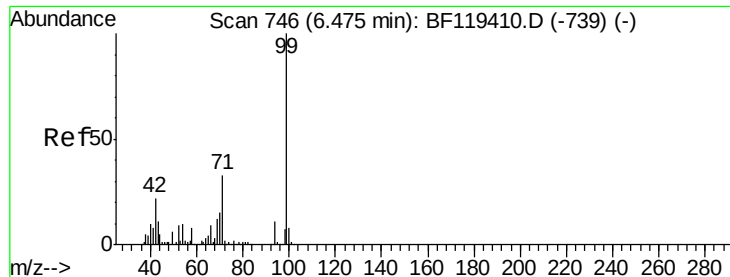


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 151.25 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

Instrument :

BNA_F

ClientSampleId :

TP-7

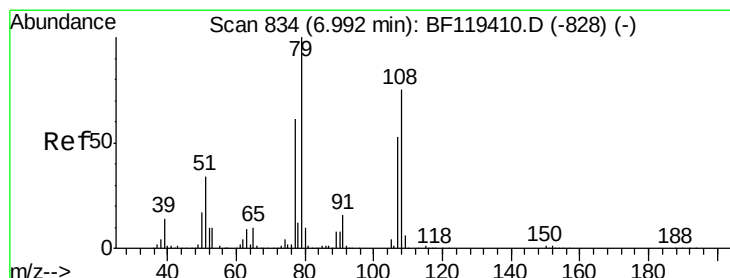
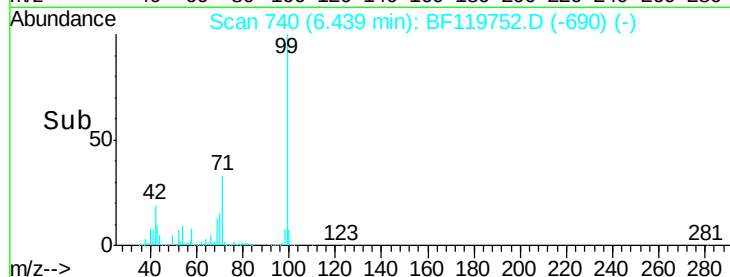
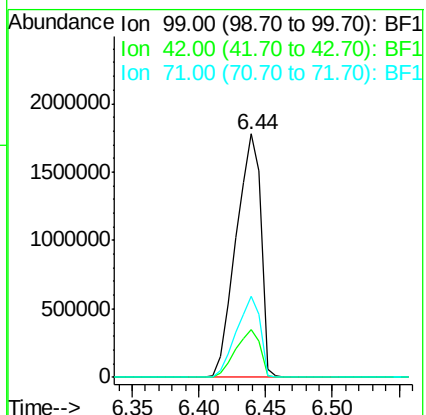
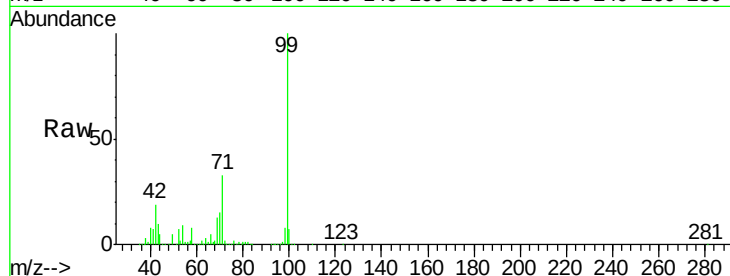
Tgt Ion: 99 Resp: 2306720

Ion Ratio Lower Upper

99 100

42 19.4 16.6 24.8

71 33.1 26.4 39.6



#15

Benzyl Alcohol

Concen: 2.11 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

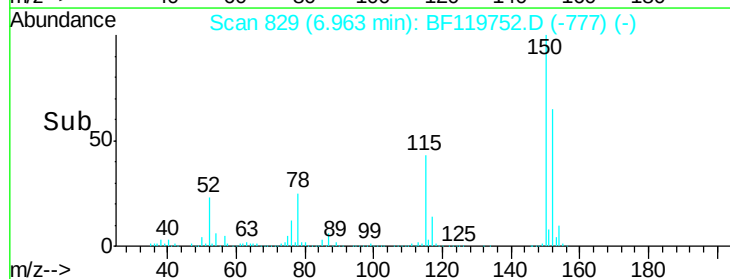
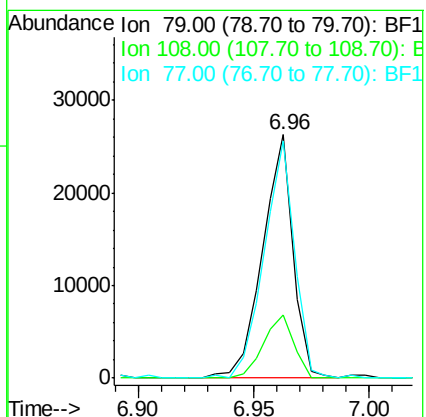
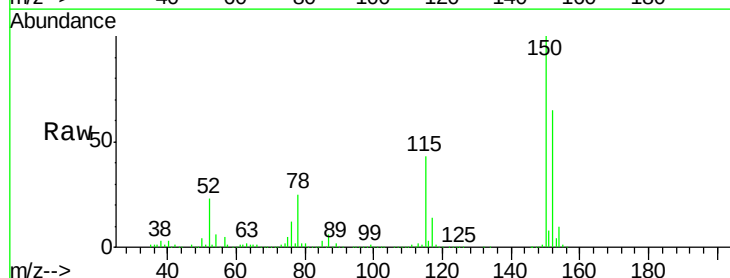
Tgt Ion: 79 Resp: 24164

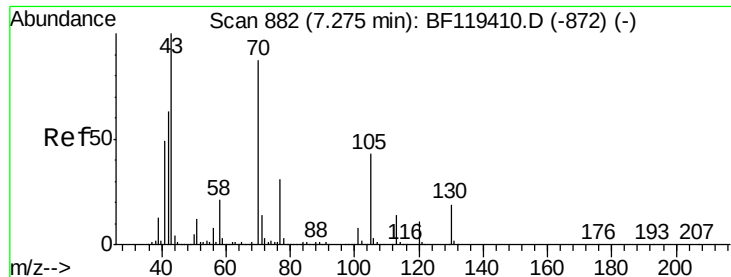
Ion Ratio Lower Upper

79 100

108 25.8 60.6 90.8#

77 97.4 50.2 75.2#

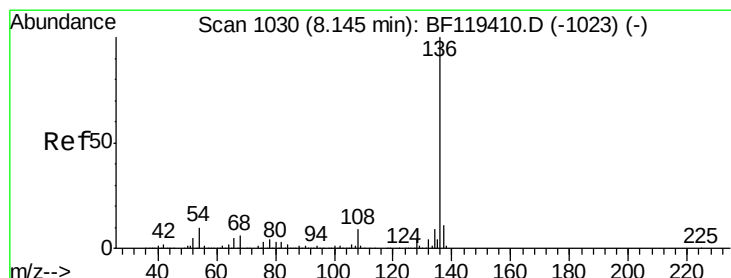
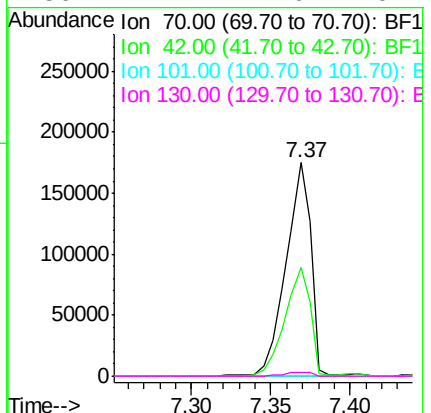
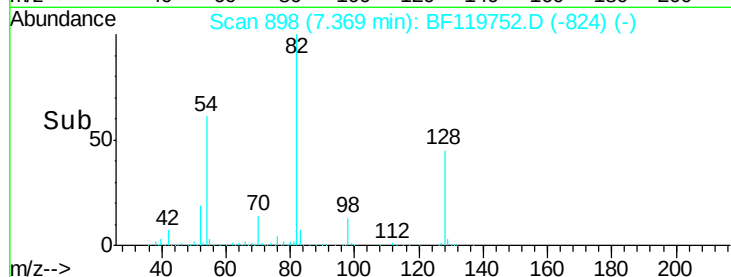
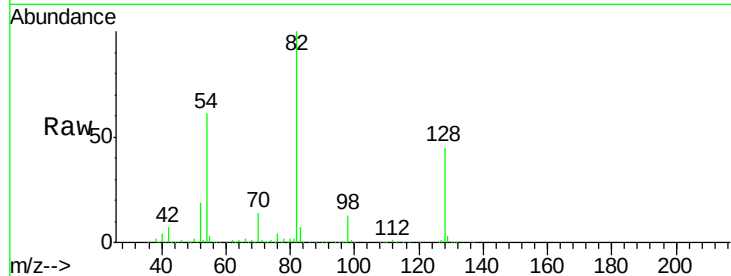




#19
n-Nitroso-di-n-propylamine
Concen: 20.84 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF119752.D
Acq: 4 Apr 2020 8:29

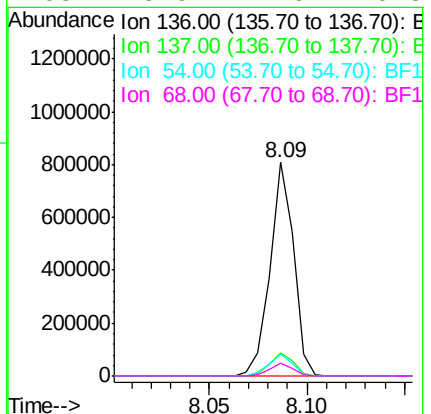
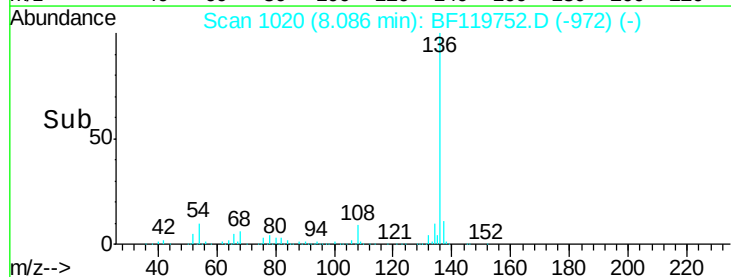
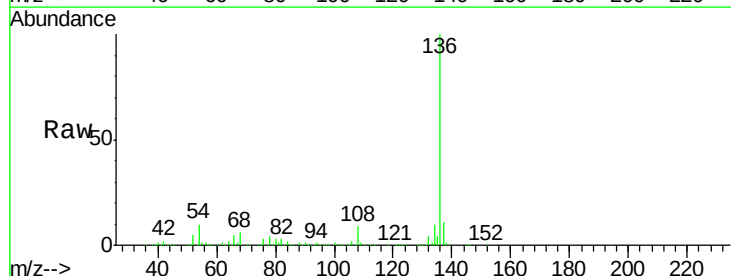
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TP-7

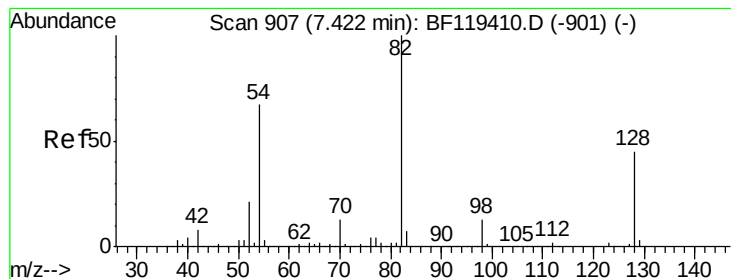
Tgt Ion: 70 Resp: 191548
Ion Ratio Lower Upper
70 100
42 51.1 54.5 81.7#
101 0.0 7.6 11.4#
130 2.1 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF119752.D
Acq: 4 Apr 2020 8:29

Tgt Ion: 136 Resp: 677357
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 10.2 9.1 13.7
68 5.9 4.6 6.8





#23

Nitrobenzene-d5

Concen: 115.91 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

Instrument :

BNA_F

ClientSampleId :

TP-7

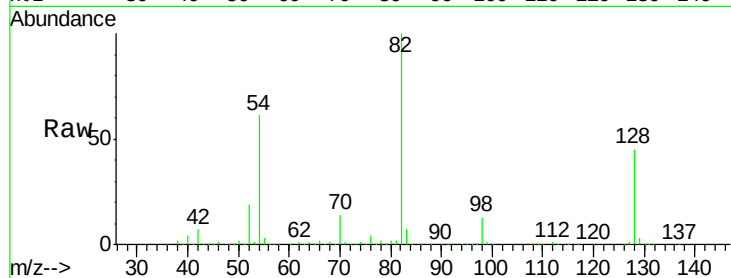
Tgt Ion: 82 Resp: 1444675

Ion Ratio Lower Upper

82 100

128 45.3 36.3 54.5

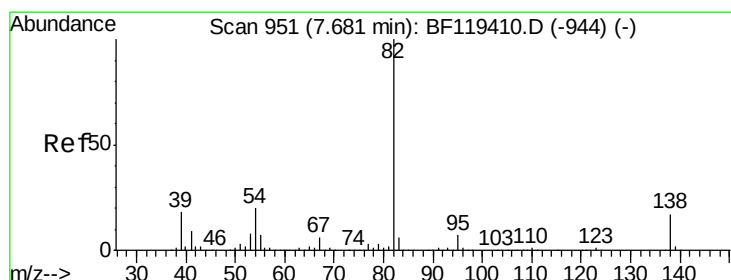
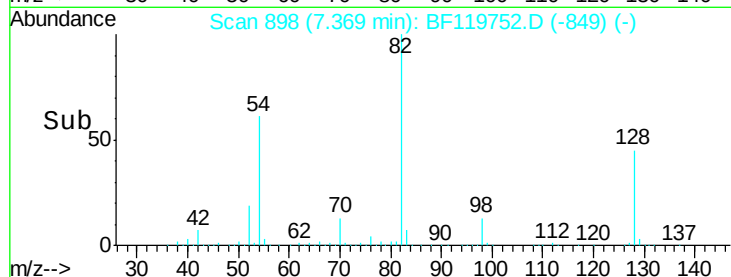
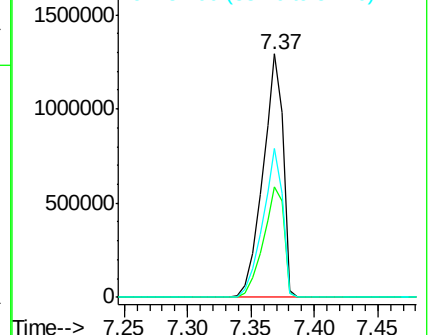
54 61.0 50.6 75.8



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 56.95 ng

RT: 7.37 min Scan# 898

Delta R.T. -0.27 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

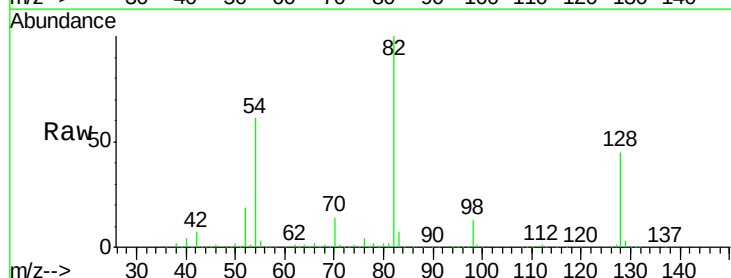
Tgt Ion: 82 Resp: 1439892

Ion Ratio Lower Upper

82 100

95 0.1 5.8 8.6#

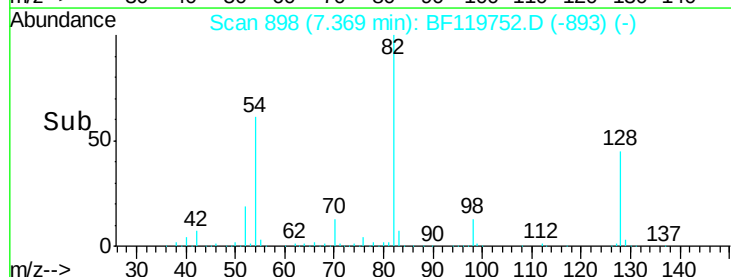
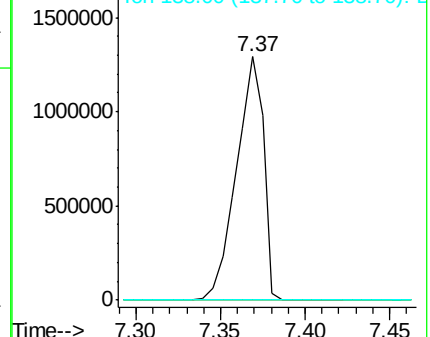
138 0.0 14.6 21.8#

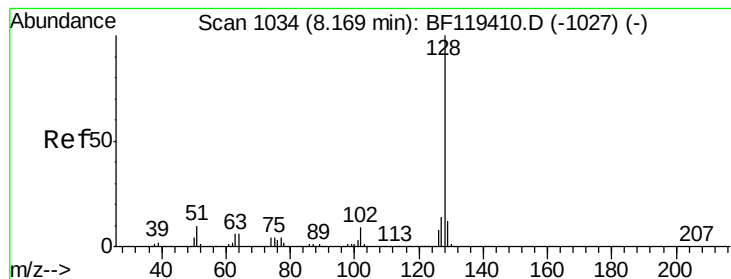


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1





#31

Naphthalene

Concen: 8.04 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.02 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

Instrument :

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ClientSampleId :

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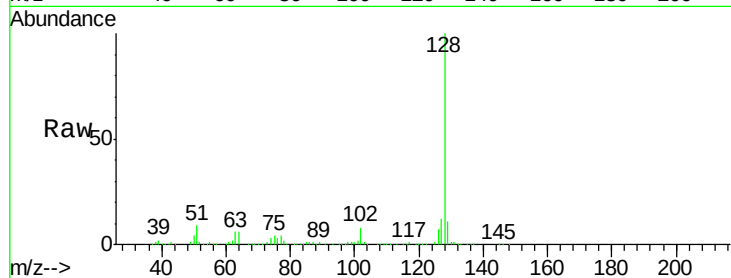
Tgt Ion:128 Resp: 280212

Ion Ratio Lower Upper

128 100

129 11.3 9.5 14.3

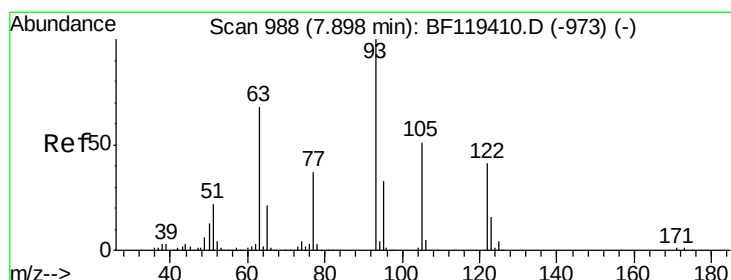
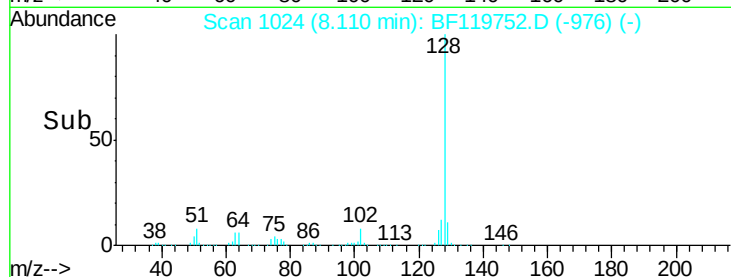
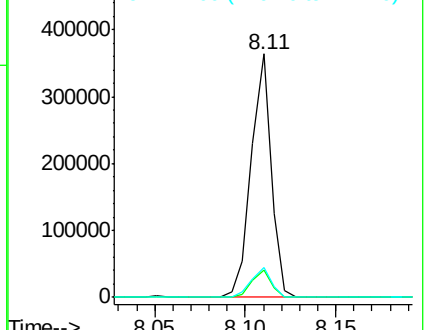
127 12.5 11.3 16.9



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 2.41 ng

RT: 7.87 min Scan# 983

Delta R.T. -0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

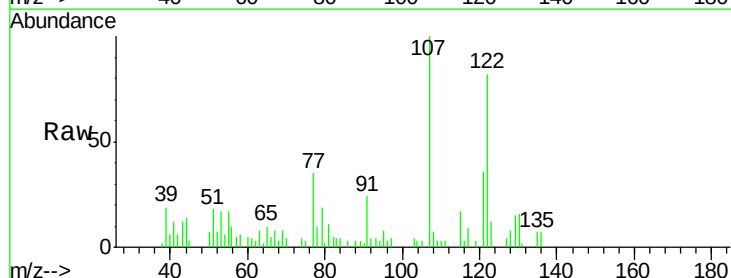
Tgt Ion:122 Resp: 16795

Ion Ratio Lower Upper

122 100

105 3.7 104.9 144.9#

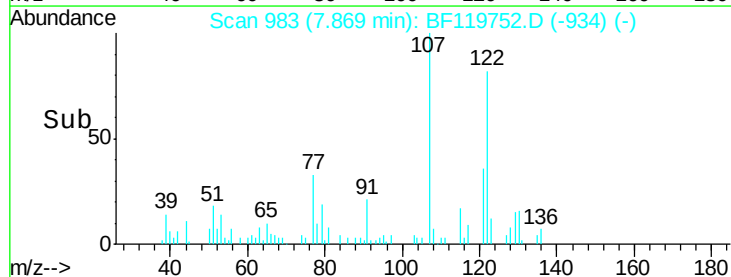
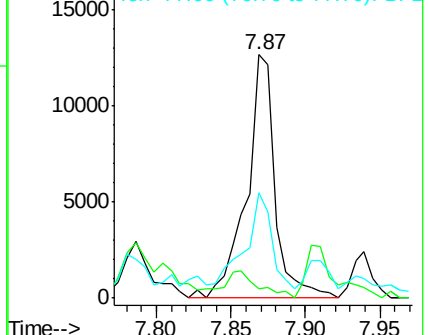
77 43.3 74.4 114.4#

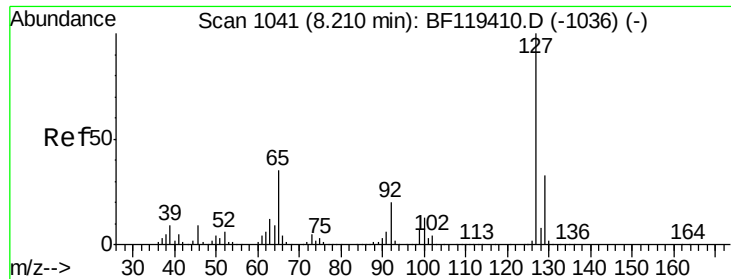


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1

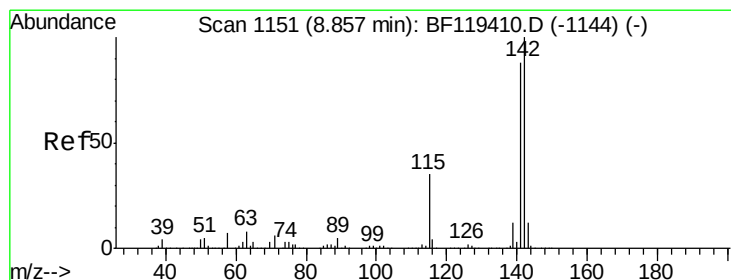
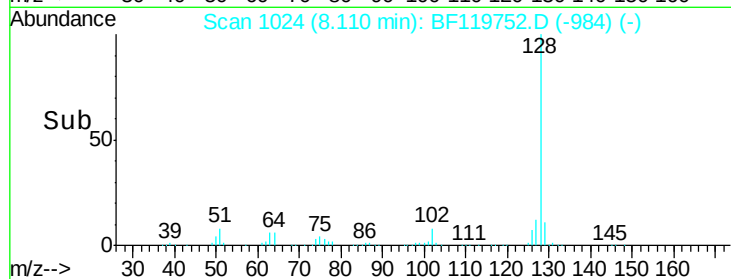
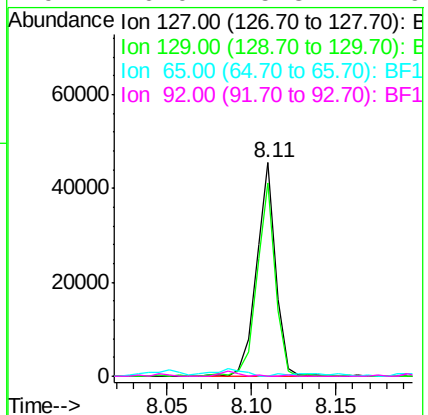
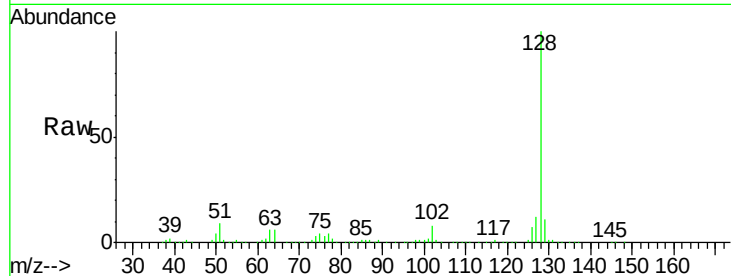




#33
 4-Chloroaniline
 Concen: 2.26 ng
 RT: 8.11 min Scan# 1024
 Delta R.T. -0.06 min
 Lab File: BF119752.D
 Acq: 4 Apr 2020 8:29

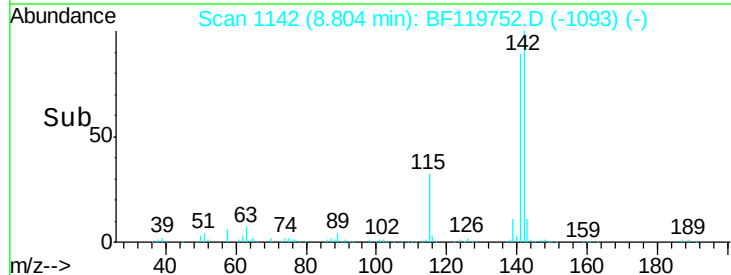
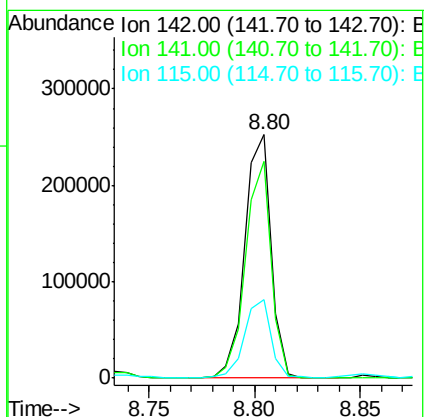
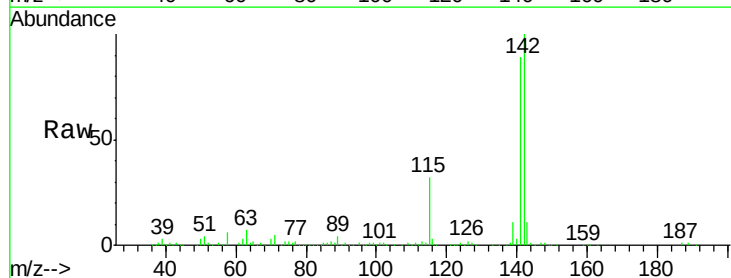
Instrument :
 BNA_F
 ClientSampleId :
 TP-7

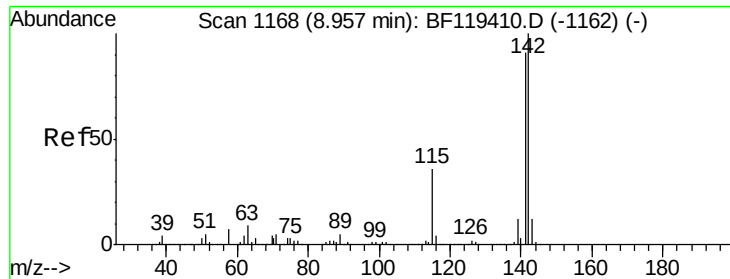
Tgt Ion:	127	Resp:	36079
Ion	Ratio	Lower	Upper
127	100		
129	90.7	26.2	39.4#
65	0.0	27.4	41.0#
92	0.0	15.3	22.9#



#37
 2-Methylnaphthalene
 Concen: 9.57 ng
 RT: 8.80 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: BF119752.D
 Acq: 4 Apr 2020 8:29

Tgt Ion:	142	Resp:	218952
Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.7	107.5
115	32.2	27.9	41.9

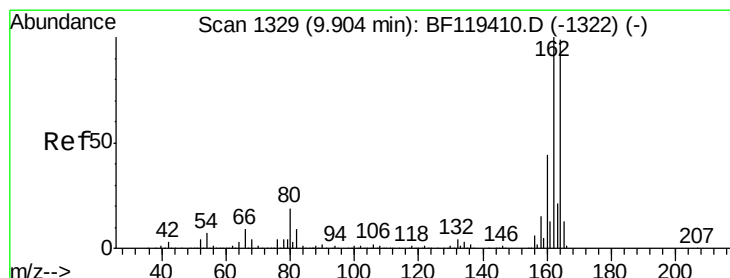
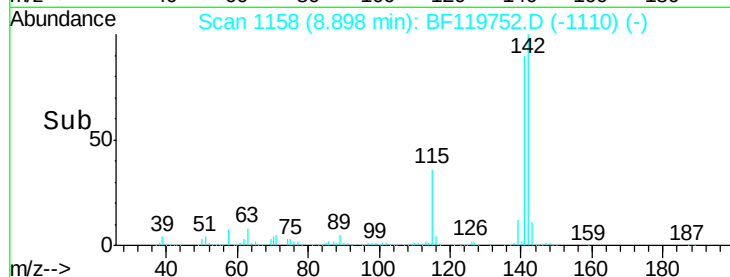
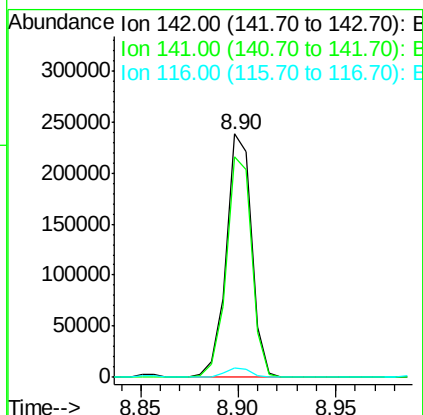
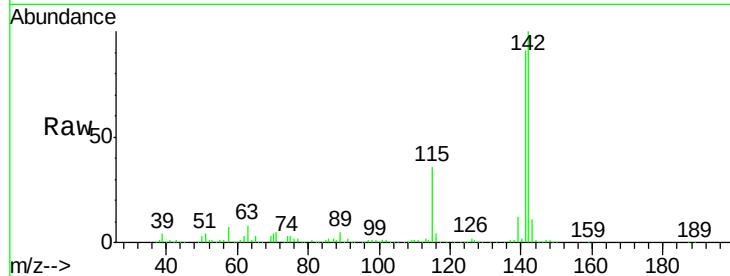




#38
 1-Methylnaphthalene
 Concen: 9.94 ng
 RT: 8.90 min Scan# 1158
 Delta R.T. -0.02 min
 Lab File: BF119752.D
 Acq: 4 Apr 2020 8:29

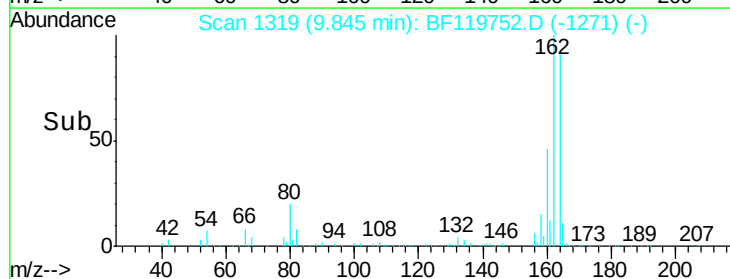
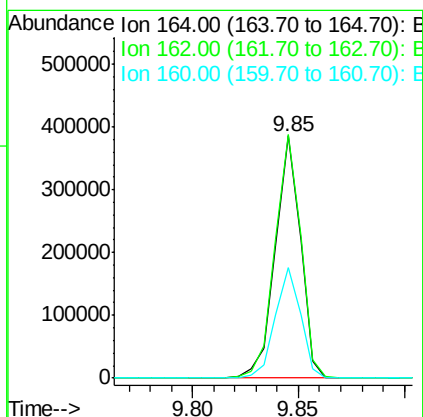
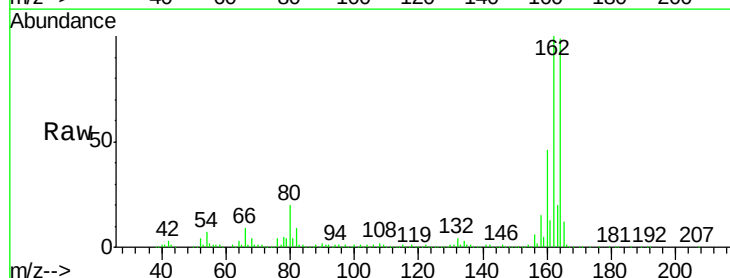
Instrument :
 BNA_F
 ClientSampleId :
 TP-7

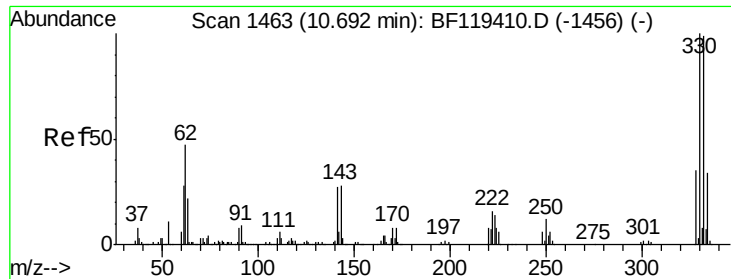
Tgt Ion:142 Resp: 215276
 Ion Ratio Lower Upper
 142 100
 141 90.5 73.7 110.5
 116 3.8 3.0 4.6



#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: BF119752.D
 Acq: 4 Apr 2020 8:29

Tgt Ion:164 Resp: 320861
 Ion Ratio Lower Upper
 164 100
 162 100.7 80.6 121.0
 160 45.8 35.7 53.5

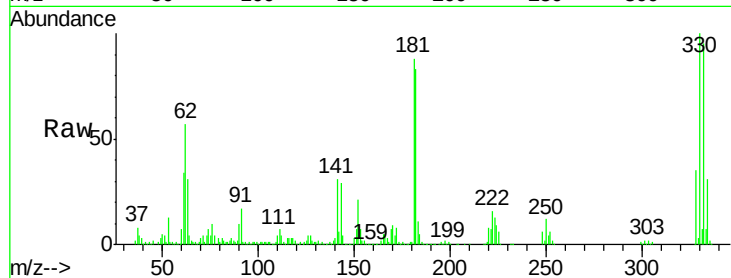




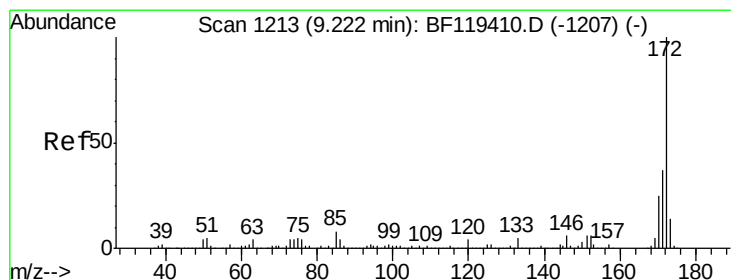
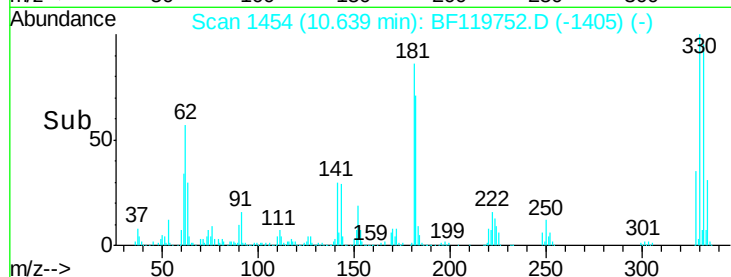
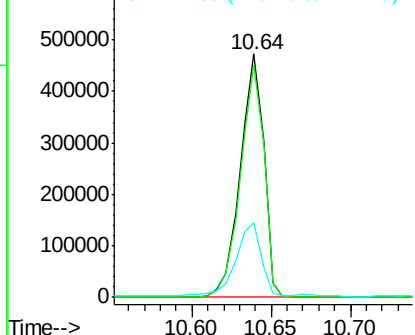
#42
 2,4,6-Tribromophenol
 Concen: 146.48 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF119752.D
 Acq: 4 Apr 2020 8:29

Instrument :
 BNA_F
 ClientSampleId :
 TP-7

Tgt Ion:330 Resp: 484874
 Ion Ratio Lower Upper
 330 100
 332 96.1 75.7 113.5
 141 32.4 25.4 38.0

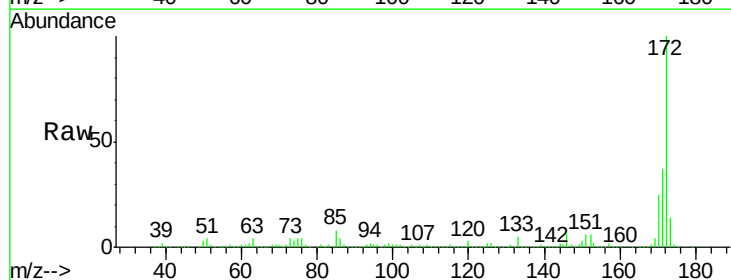


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

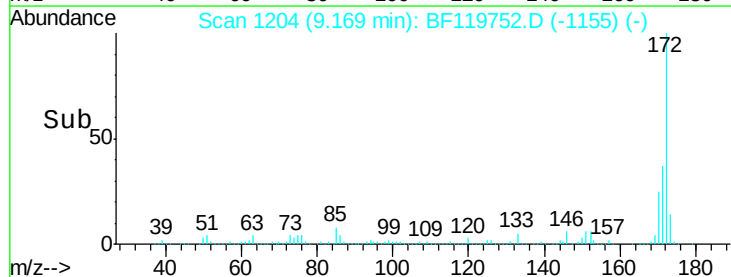
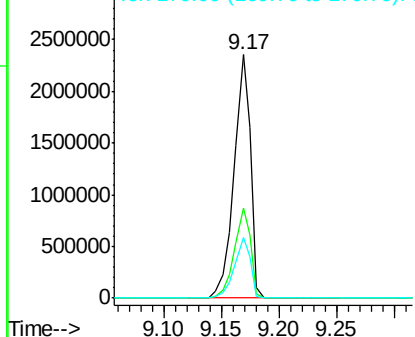


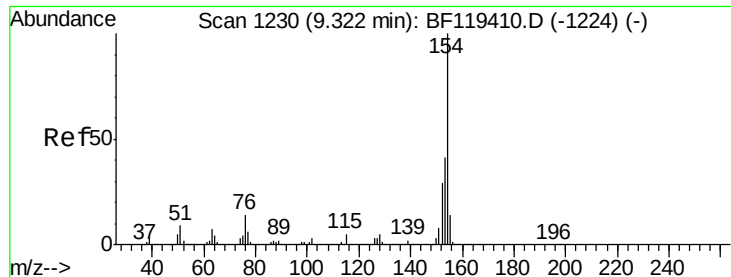
#45
 2-Fluorobiphenyl
 Concen: 106.61 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF119752.D
 Acq: 4 Apr 2020 8:29

Tgt Ion:172 Resp: 2308933
 Ion Ratio Lower Upper
 172 100
 171 37.0 29.6 44.4
 170 24.9 20.2 30.2



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





#46

1,1'-Biphenyl

Concen: 3.26 ng

RT: 9.26 min Scan# 1220

Delta R.T. -0.02 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

Instrument :

BNA_F

ClientSampled :

TP-7

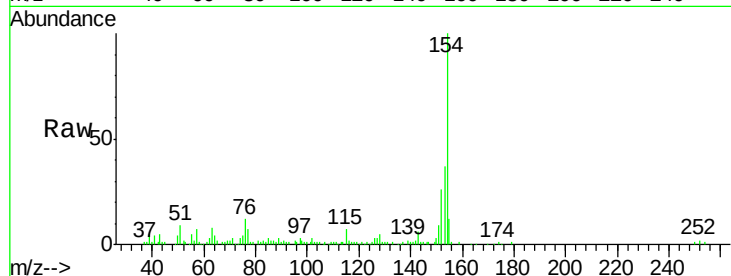
Tgt Ion:154 Resp: 85231

Ion Ratio Lower Upper

154 100

153 37.1 21.4 61.4

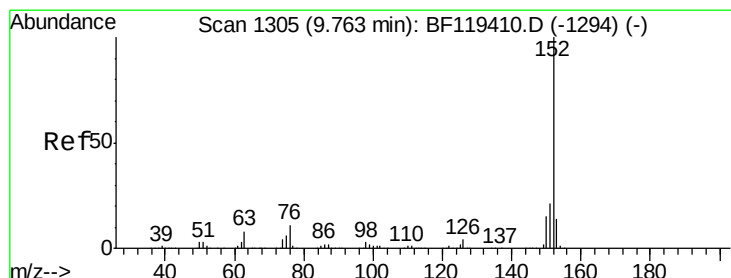
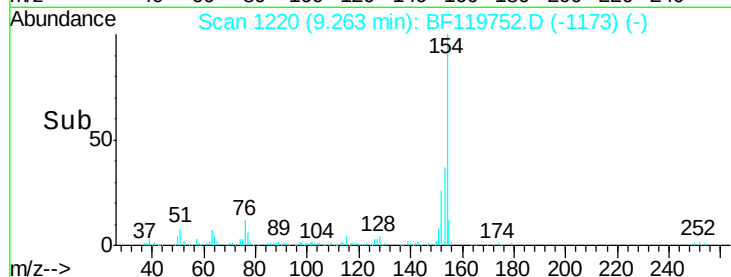
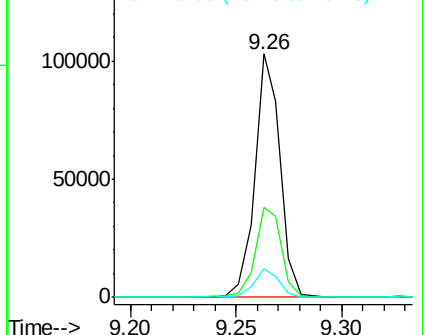
76 11.7 0.0 33.0



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1



#49

Acenaphthylene

Concen: 10.49 ng

RT: 9.70 min Scan# 1295

Delta R.T. -0.02 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

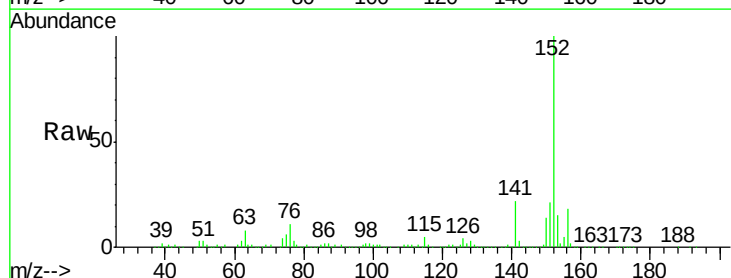
Tgt Ion:152 Resp: 337056

Ion Ratio Lower Upper

152 100

151 20.6 17.2 25.8

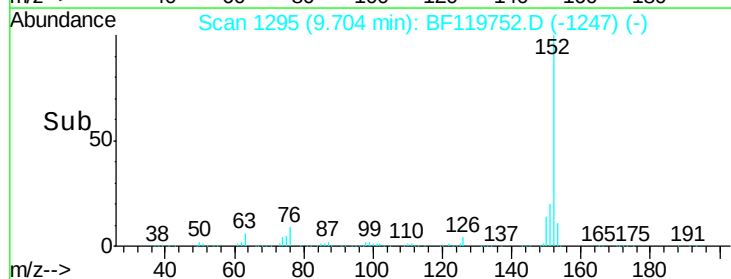
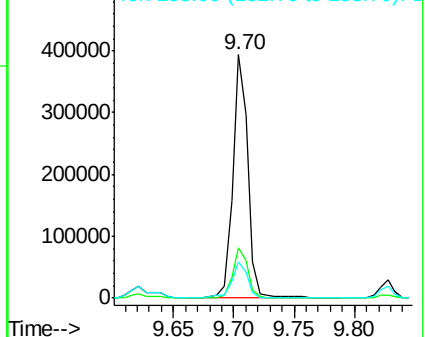
153 15.0 11.2 16.8

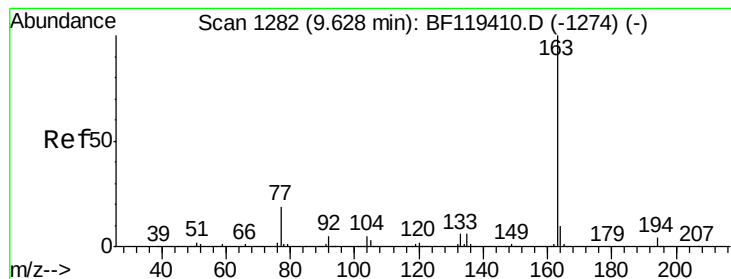


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E





#50

Dimethylphthalate

Concen: 13.95 ng

RT: 9.56 min Scan# 1271

Delta R.T. -0.02 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

Instrument :

BNA_F

ClientSampled :

TP-7

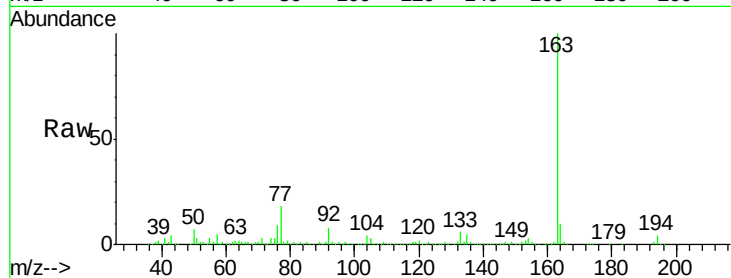
Tgt Ion:163 Resp: 317960

Ion Ratio Lower Upper

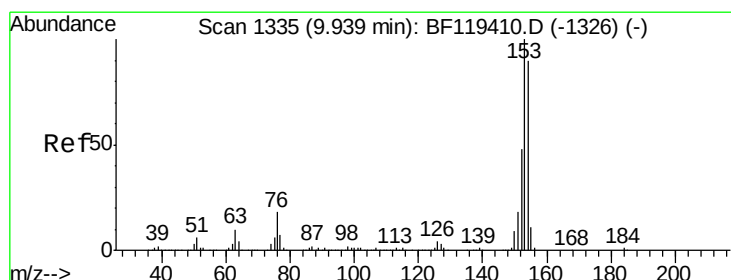
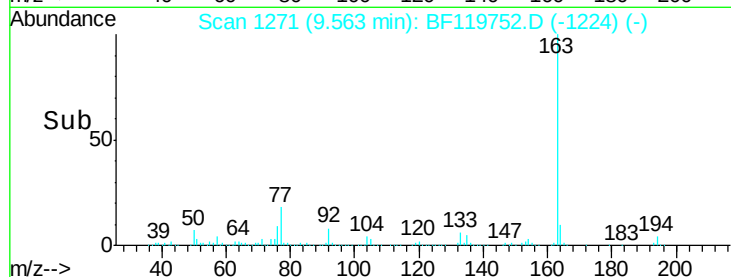
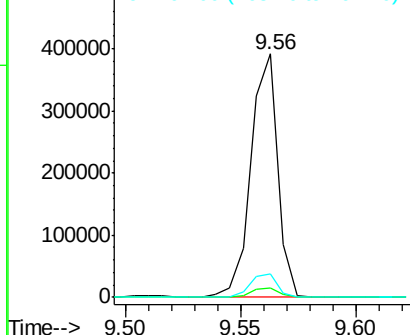
163 100

194 3.9 3.1 4.7

164 9.7 8.2 12.2



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



#52

Acenaphthene

Concen: 24.83 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.02 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

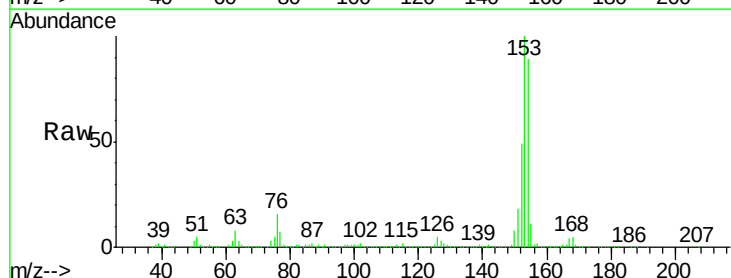
Tgt Ion:154 Resp: 497521

Ion Ratio Lower Upper

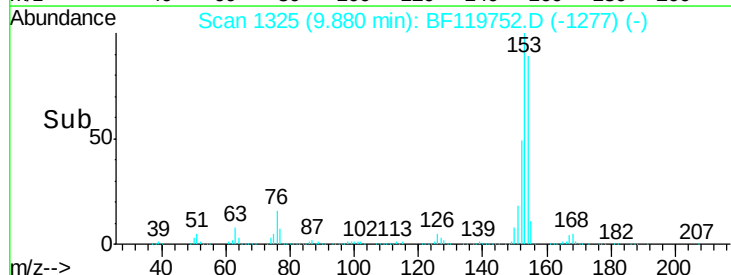
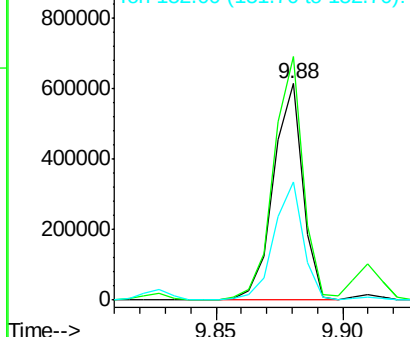
154 100

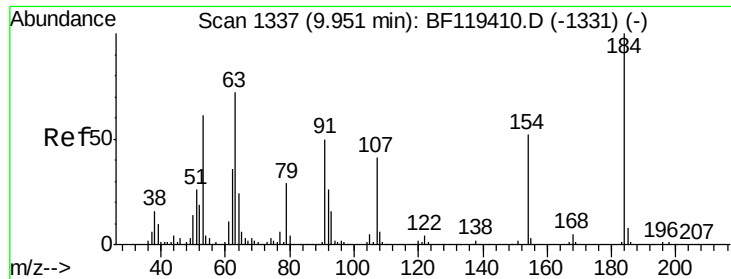
153 112.5 88.1 132.1

152 54.7 43.0 64.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E

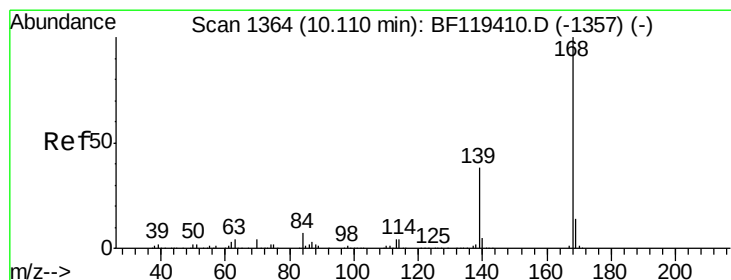
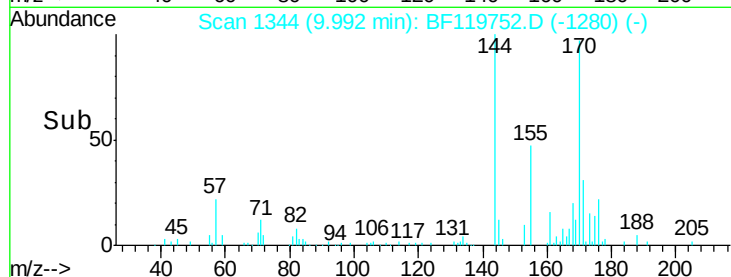
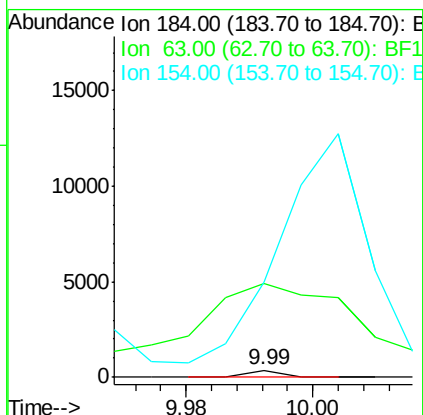
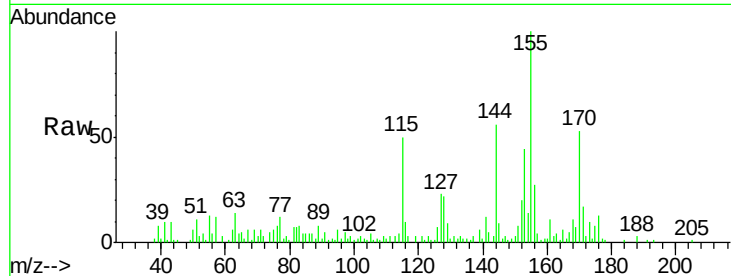




#54
2,4-Dinitrophenol
Concen: 7.33 ng
RT: 9.99 min Scan# 1344
Delta R.T. 0.08 min
Lab File: BF119752.D
Acq: 4 Apr 2020 8:29

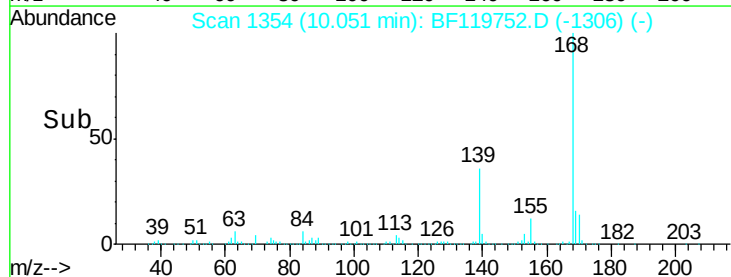
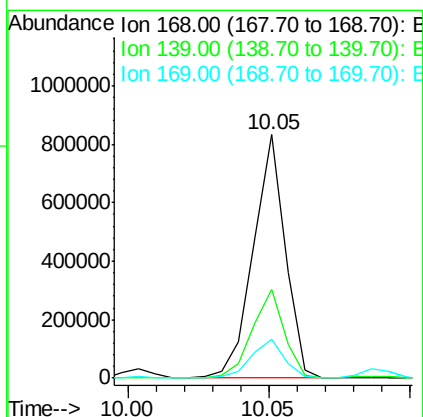
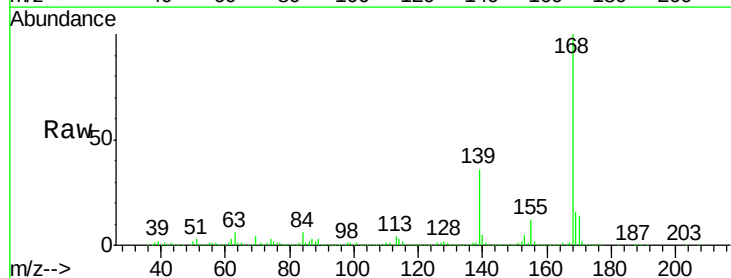
Instrument :
BNA_F
ClientSampleId :
TP-7

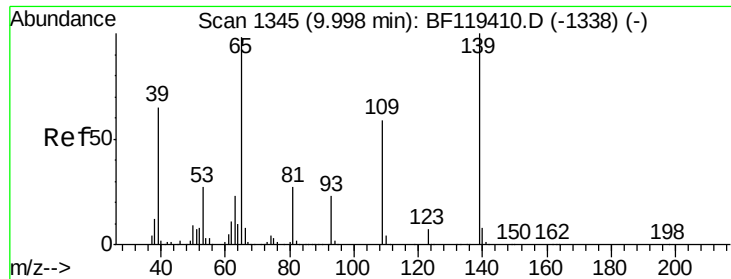
Tgt Ion:184 Resp: 130
Ion Ratio Lower Upper
184 100
63 1322.5 50.2 75.4#
154 1343.4 44.5 66.7#



#55
Dibenzofuran
Concen: 22.70 ng
RT: 10.05 min Scan# 1354
Delta R.T. -0.02 min
Lab File: BF119752.D
Acq: 4 Apr 2020 8:29

Tgt Ion:168 Resp: 652110
Ion Ratio Lower Upper
168 100
139 36.3 30.1 45.1
169 16.0 11.0 16.6

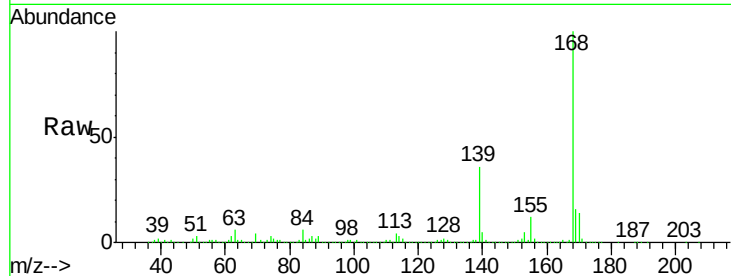




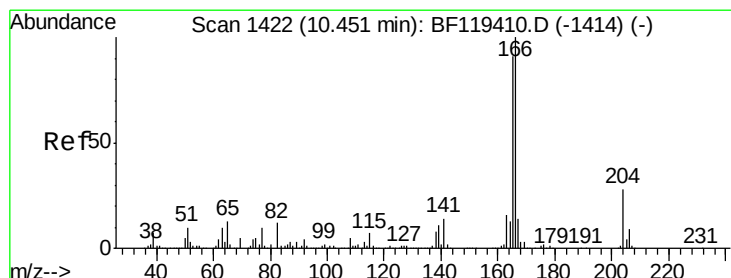
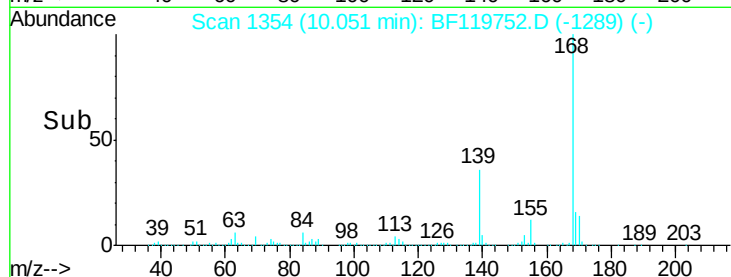
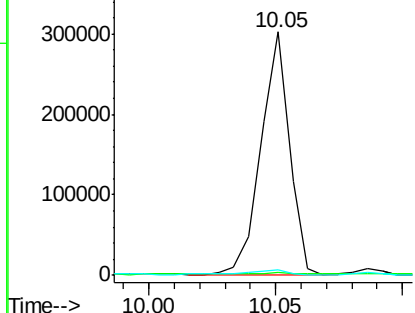
#56
4-Nitrophenol
Concen: 49.35 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.08 min
Lab File: BF119752.D
Acq: 4 Apr 2020 8:29

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion	Ratio	Lower	Upper
139	100		
109	1.2	43.3	83.3#
65	2.3	91.0	131.0#

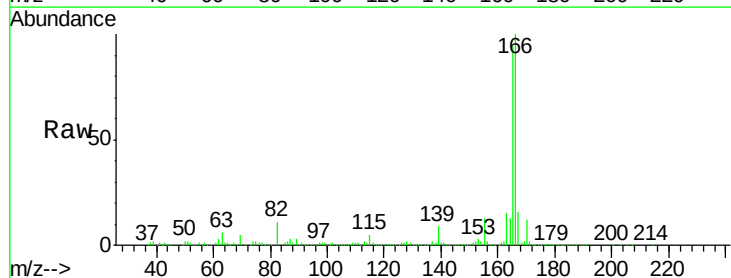


Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF1

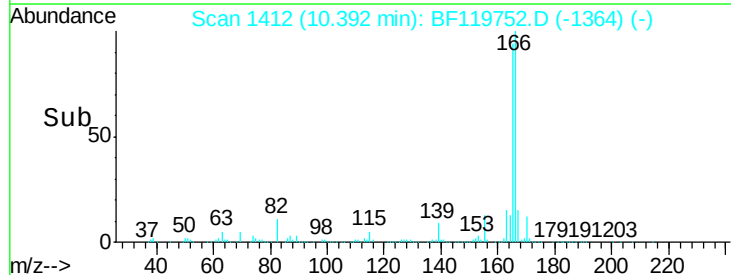
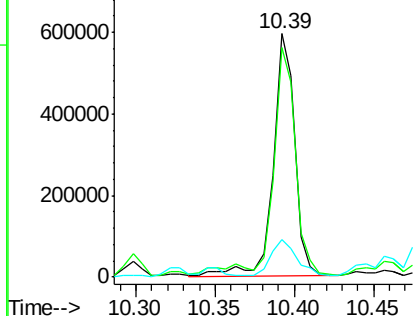


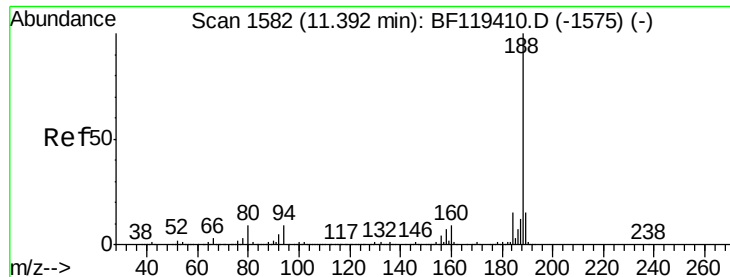
#58
Fluorene
Concen: 26.40 ng
RT: 10.39 min Scan# 1412
Delta R.T. -0.02 min
Lab File: BF119752.D
Acq: 4 Apr 2020 8:29

Tgt Ion	Ratio	Lower	Upper
166	100		
165	94.1	75.4	113.2
167	15.6	11.2	16.8



Abundance Ion 166.00 (165.70 to 166.70): E
Ion 165.00 (164.70 to 165.70): E
Ion 167.00 (166.70 to 167.70): E

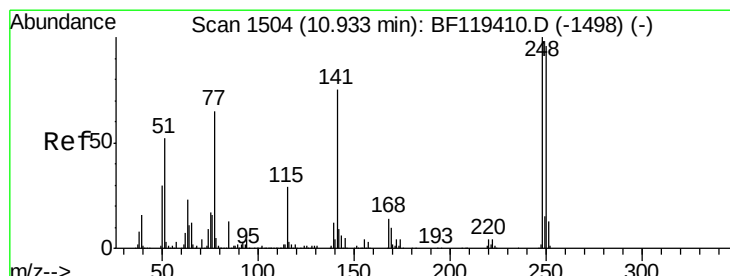
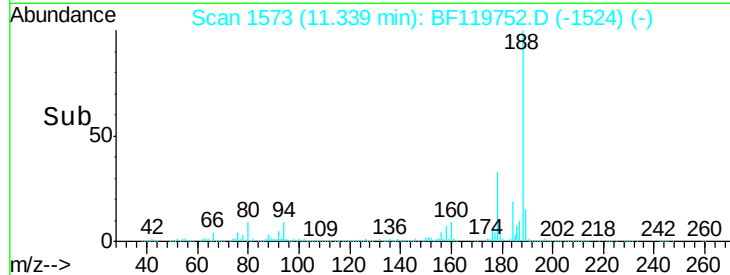
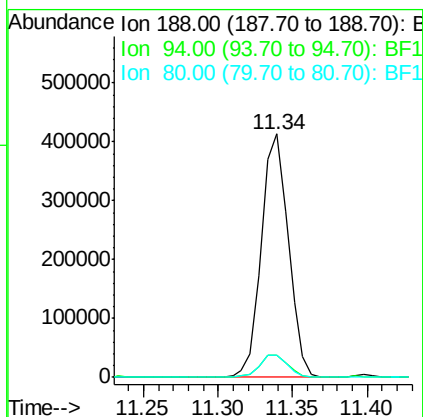
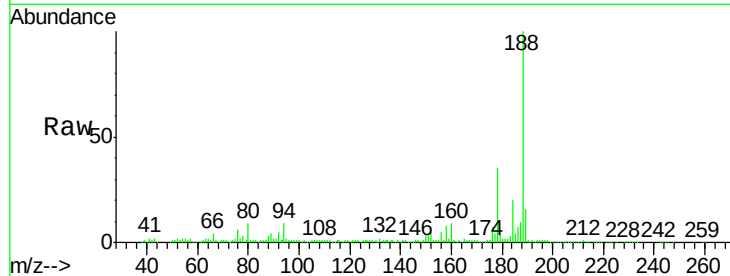




#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.34 min Scan# 1573
Delta R.T. -0.01 min
Lab File: BF119752.D
Acq: 4 Apr 2020 8:29

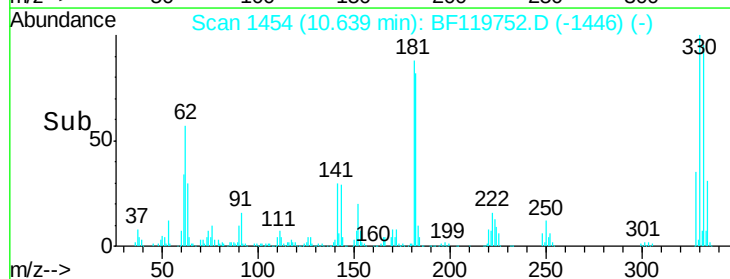
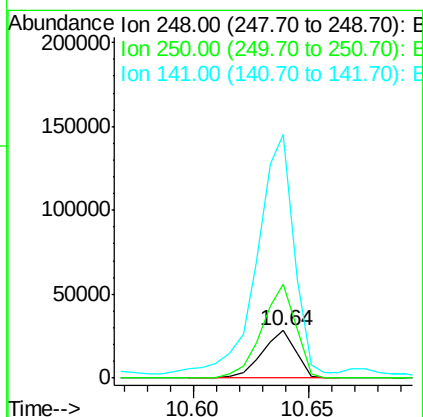
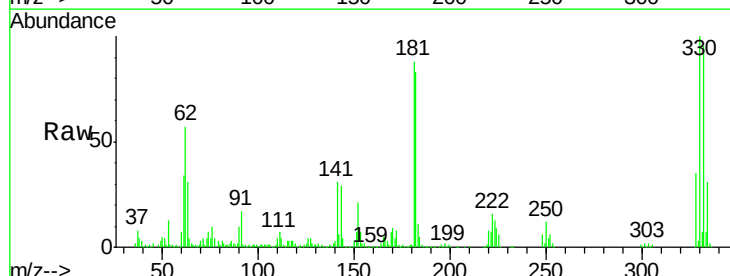
Instrument :
BNA_F
ClientSampled :
TP-7

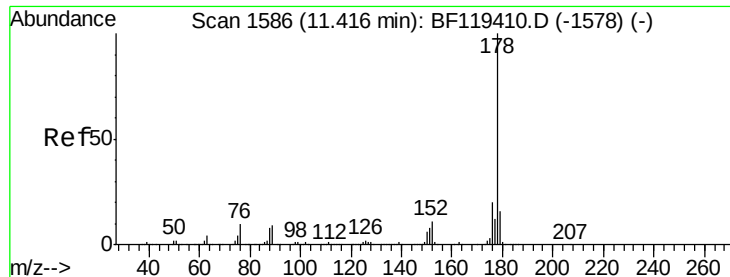
Tgt Ion:188 Resp: 514934
Ion Ratio Lower Upper
188 100
94 9.1 7.5 11.3
80 9.0 9.0 13.4



#67
4-Bromophenyl-phenylether
Concen: 4.91 ng
RT: 10.64 min Scan# 1454
Delta R.T. -0.25 min
Lab File: BF119752.D
Acq: 4 Apr 2020 8:29

Tgt Ion:248 Resp: 28787
Ion Ratio Lower Upper
248 100
250 197.7 77.3 115.9#
141 512.4 58.6 87.8#

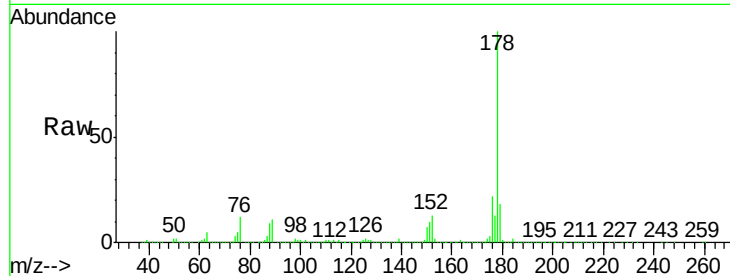




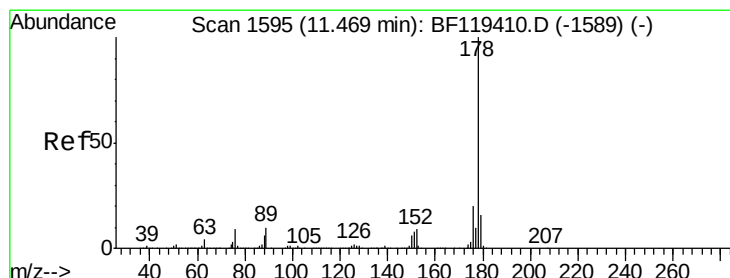
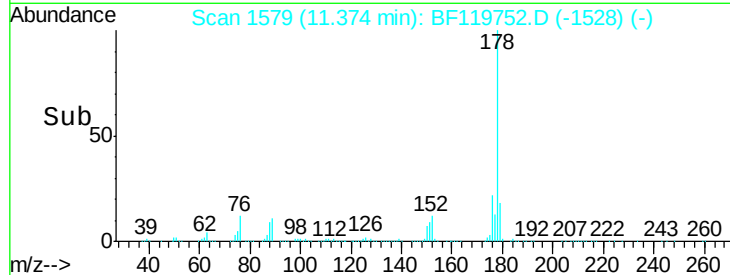
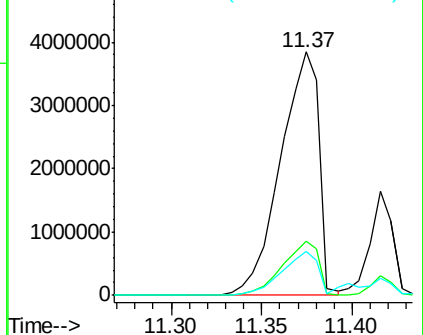
#71
Phenanthrene
Concen: 213.30 ng
RT: 11.37 min Scan# 1579
Delta R.T. -0.00 min
Lab File: BF119752.D
Acq: 4 Apr 2020 8:29

Instrument :
BNA_F
ClientSampleId :
TP-7

Tgt Ion:178 Resp: 5695216
Ion Ratio Lower Upper
178 100
176 22.3 16.2 24.4
179 18.0 13.2 19.8

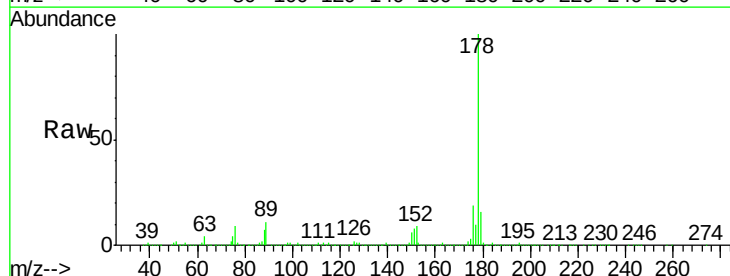


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

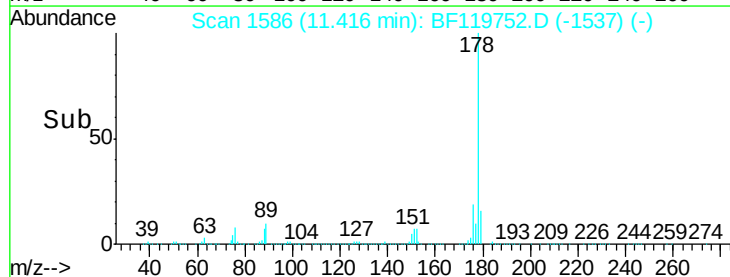
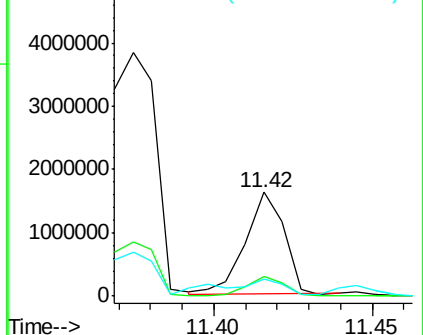


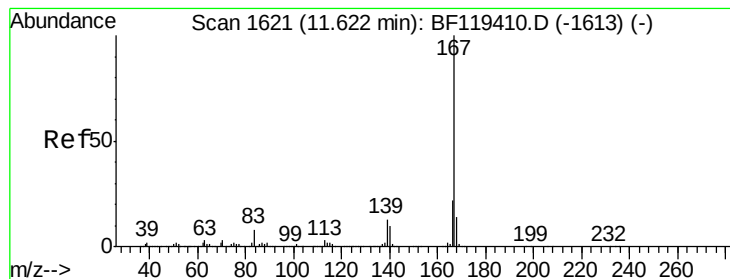
#72
Anthracene
Concen: 50.19 ng
RT: 11.42 min Scan# 1586
Delta R.T. -0.01 min
Lab File: BF119752.D
Acq: 4 Apr 2020 8:29

Tgt Ion:178 Resp: 1361978
Ion Ratio Lower Upper
178 100
176 19.0 16.1 24.1
179 16.2 13.0 19.4



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





#73

Carbazole

Concen: 30.89 ng

RT: 11.57 min Scan# 1612

Delta R.T. -0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

Instrument :

BNA_F

ClientSampleId :

TP-7

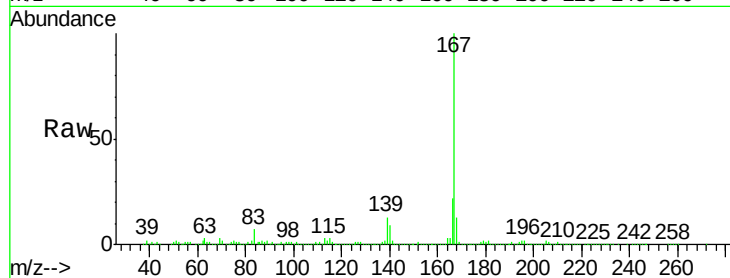
Tgt Ion:167 Resp: 829749

Ion Ratio Lower Upper

167 100

166 22.2 18.2 27.4

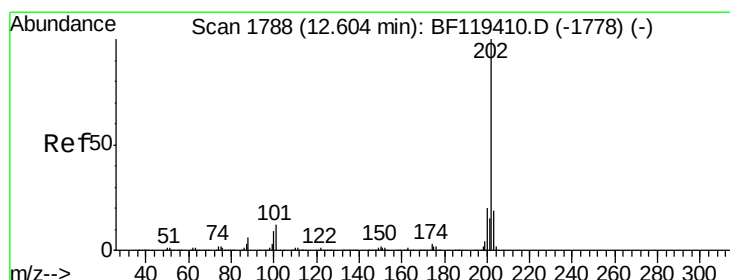
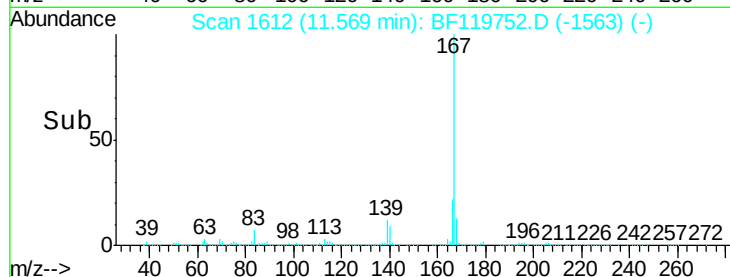
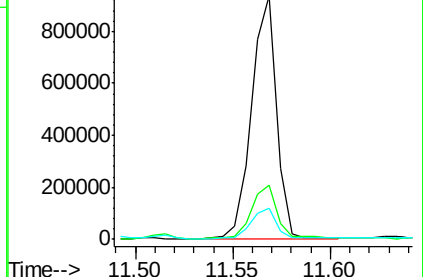
139 12.6 10.7 16.1



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Fluoranthene

Concen: 186.96 ng

RT: 12.57 min Scan# 1782

Delta R.T. 0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

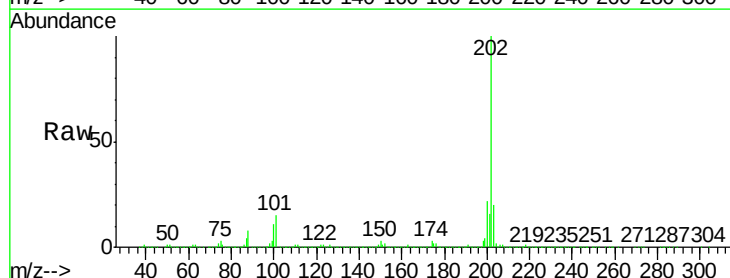
Tgt Ion:202 Resp: 5402464

Ion Ratio Lower Upper

202 100

101 14.6 0.0 32.2

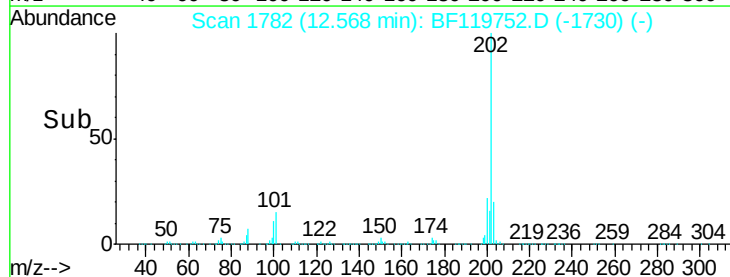
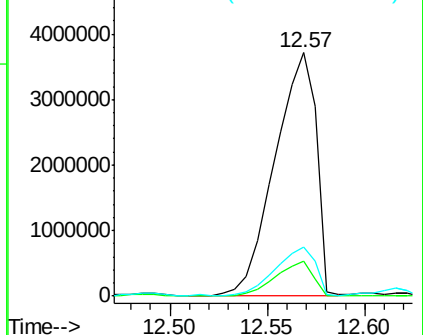
203 19.9 0.0 38.8

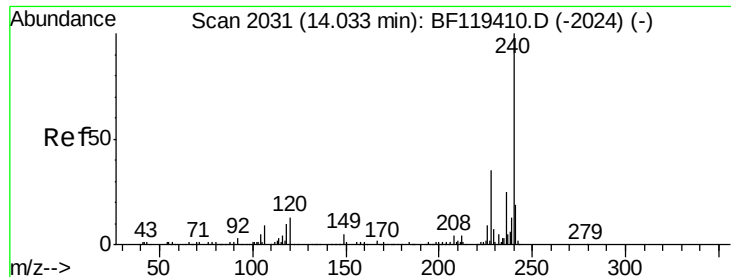


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#76

Chrysene-d12

Concen: 20.00 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

Instrument :

BNA_F

ClientSampleId :

TP-7

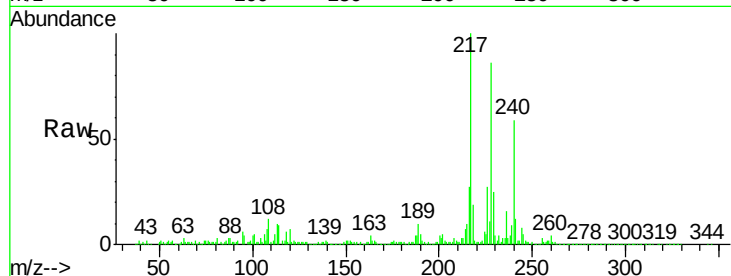
Tgt Ion:240 Resp: 314121

Ion Ratio Lower Upper

240 100

120 11.5 10.6 15.8

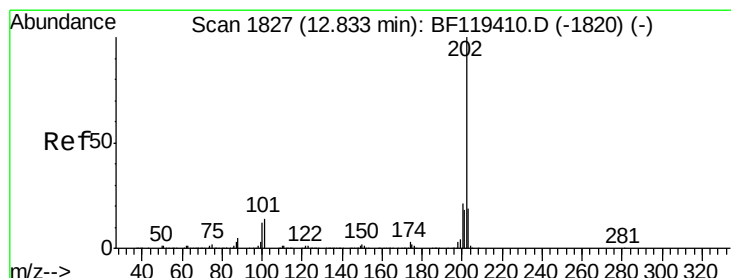
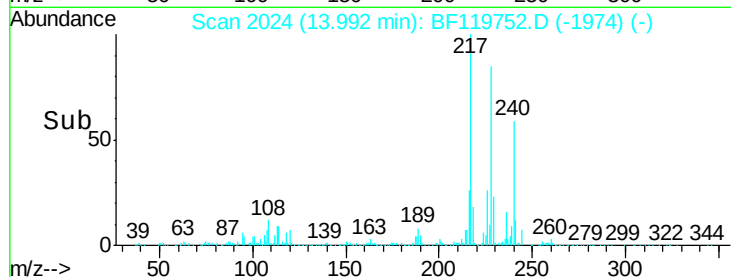
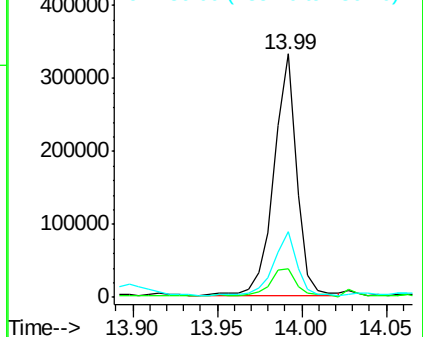
236 27.2 20.2 30.2



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: 177.74 ng

RT: 12.80 min Scan# 1821

Delta R.T. 0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

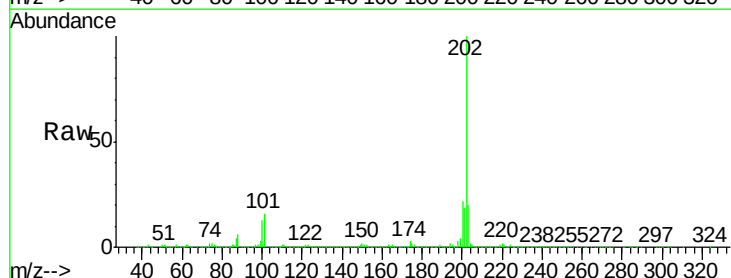
Tgt Ion:202 Resp: 4582071

Ion Ratio Lower Upper

202 100

200 22.1 16.8 25.2

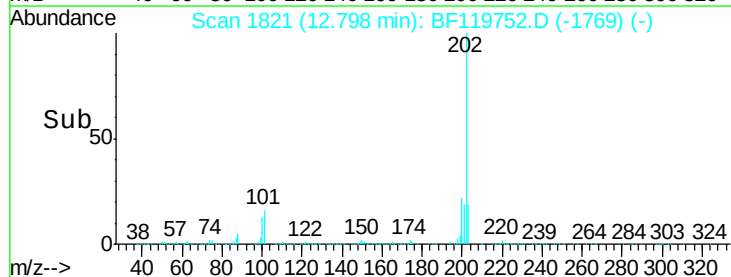
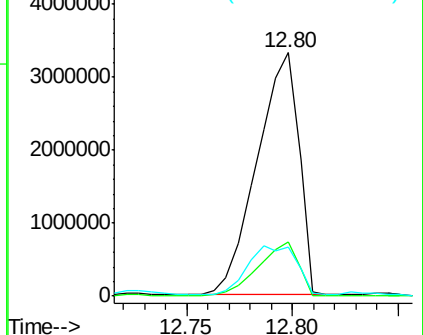
203 20.1 15.1 22.7

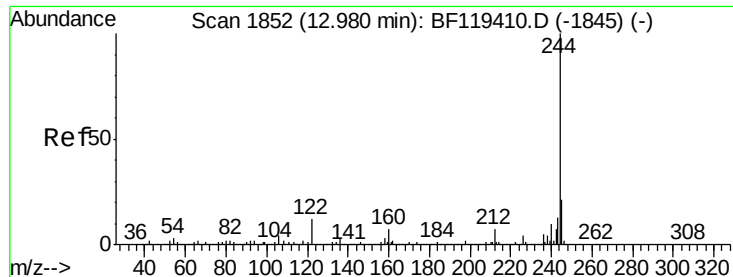


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 113.12 ng

RT: 12.93 min Scan# 1843

Delta R.T. -0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

Instrument :

BNA_F

ClientSampled :

TP-7

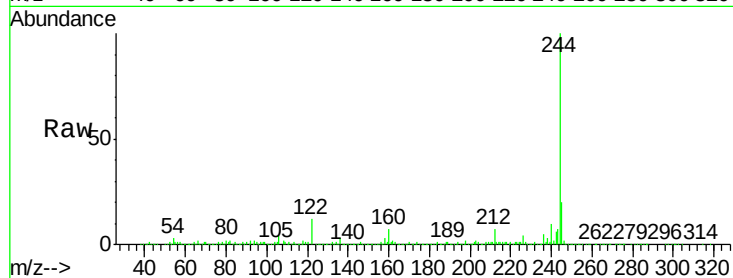
Tgt Ion:244 Resp: 1813717

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

122 12.2 10.3 15.5

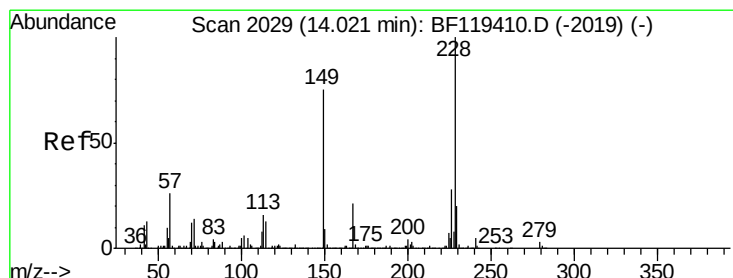
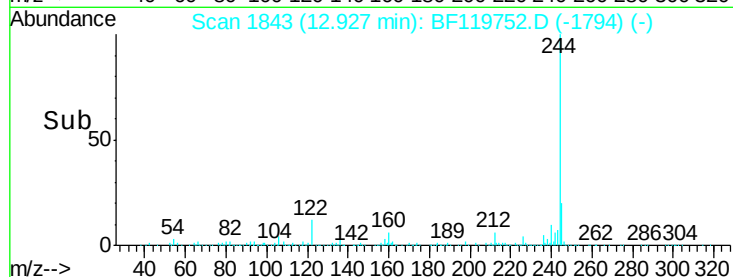


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

Time--> 12.80 12.90 13.00



#81

Benzo(a)anthracene

Concen: 139.38 ng

RT: 13.98 min Scan# 2022

Delta R.T. -0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

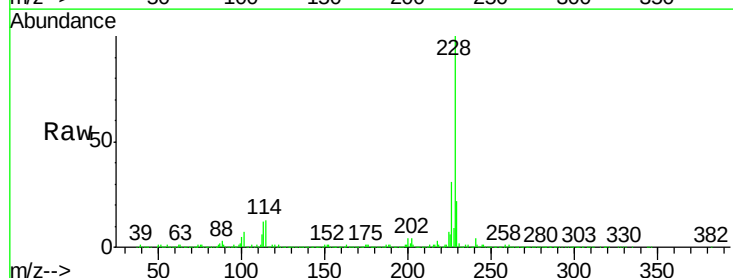
Tgt Ion:228 Resp: 2847166

Ion Ratio Lower Upper

228 100

226 30.7 21.8 32.8

229 21.7 16.2 24.4

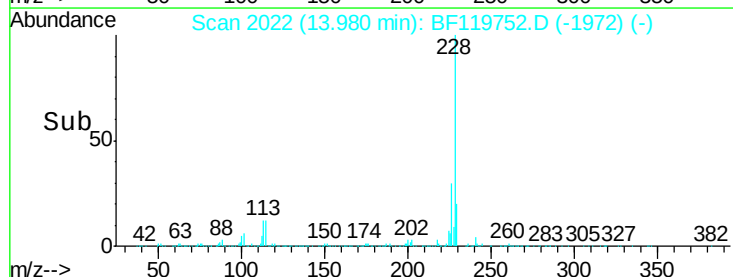


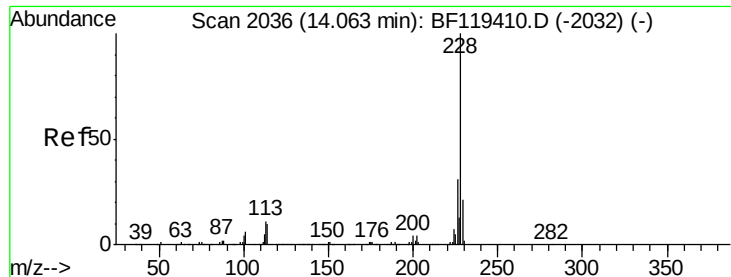
Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

Time--> 13.95 14.00





#83

Chrysene

Concen: 117.93 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.00 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

Instrument :

BNA_F

ClientSampled :

TP-7

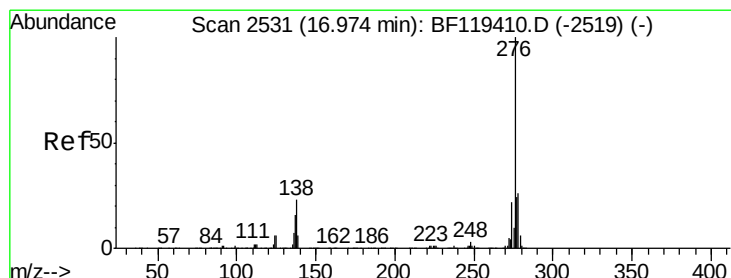
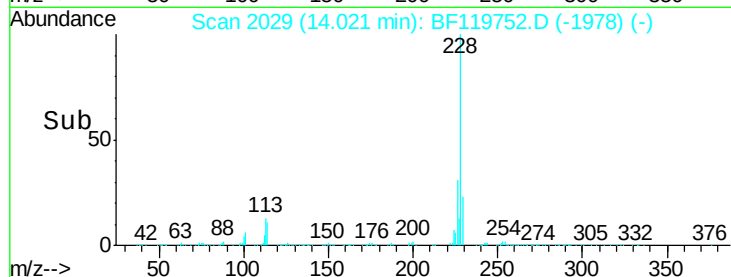
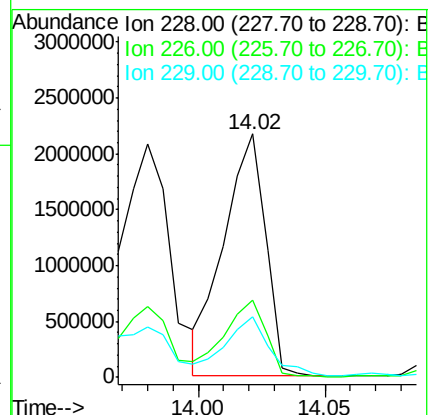
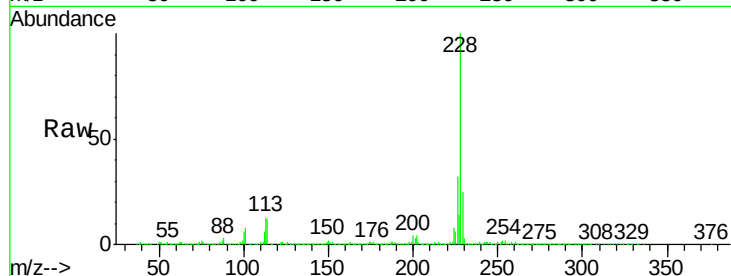
Tgt Ion:228 Resp: 2486216

Ion Ratio Lower Upper

228 100

226 31.9 25.4 38.0

229 24.7 16.6 24.8



#86

Indeno(1,2,3-cd)pyrene

Concen: 45.53 ng

RT: 16.90 min Scan# 2518

Delta R.T. -0.02 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

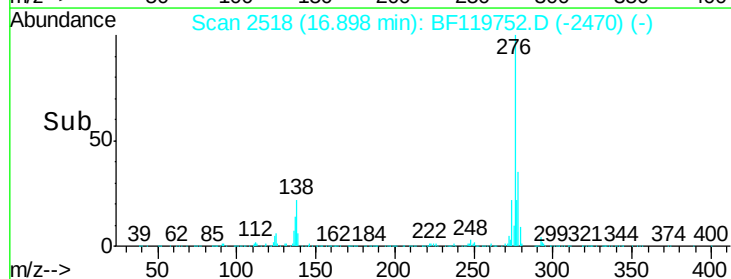
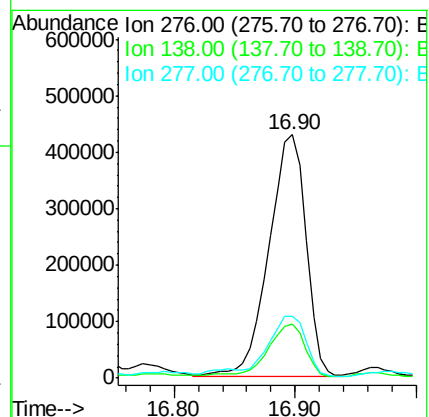
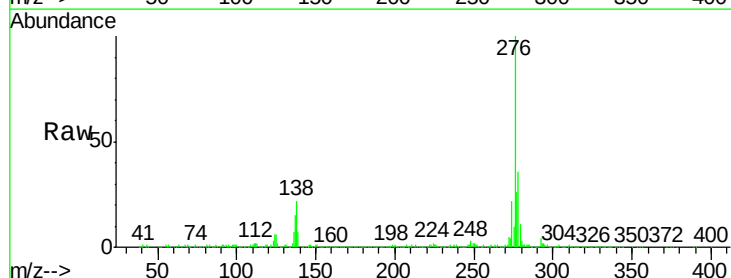
Tgt Ion:276 Resp: 903976

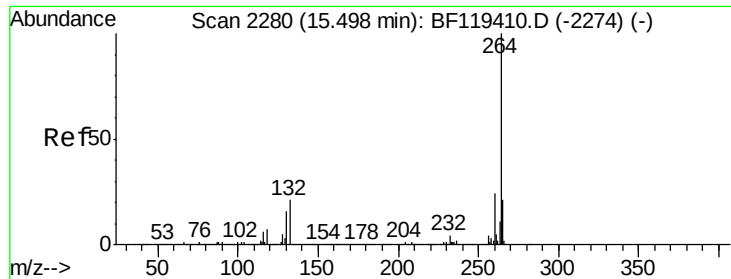
Ion Ratio Lower Upper

276 100

138 22.0 19.6 29.4

277 25.4 20.0 30.0





#87

Perylene-d12

Concen: 20.00 ng

RT: 15.44 min Scan# 2271

Delta R.T. -0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

Instrument :

BNA_F

ClientSampleId :

TP-7

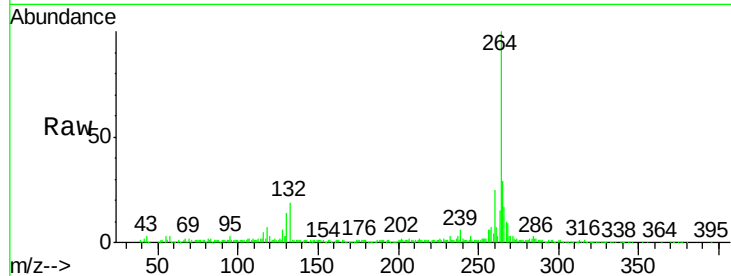
Tgt Ion:264 Resp: 335932

Ion Ratio Lower Upper

264 100

260 25.2 18.7 28.1

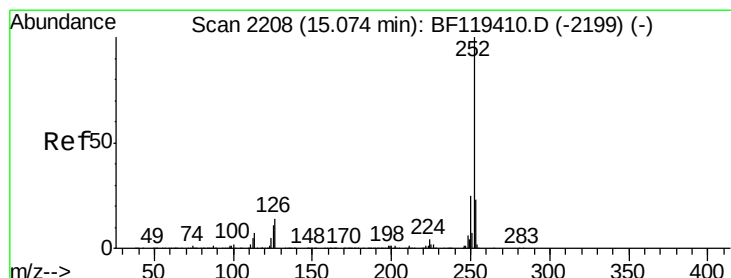
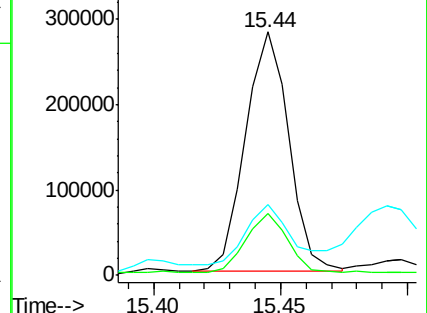
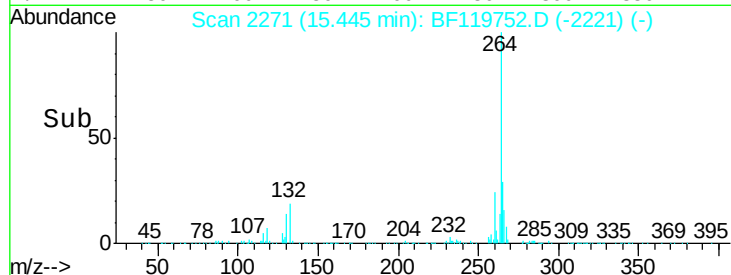
265 29.3 17.7 26.5#



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 168.07 ng

RT: 15.03 min Scan# 2201

Delta R.T. 0.01 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

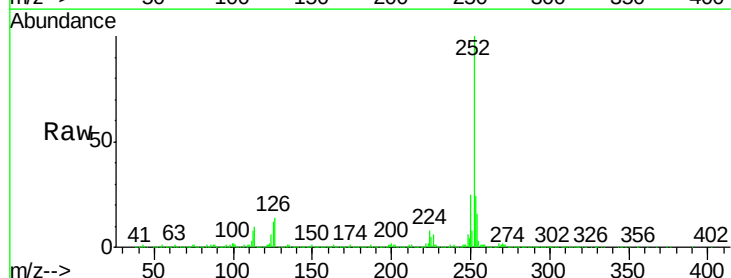
Tgt Ion:252 Resp: 3771550

Ion Ratio Lower Upper

252 100

253 23.8 17.4 26.0

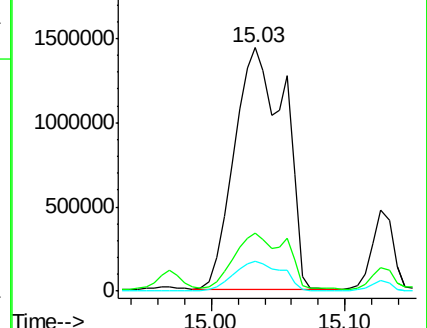
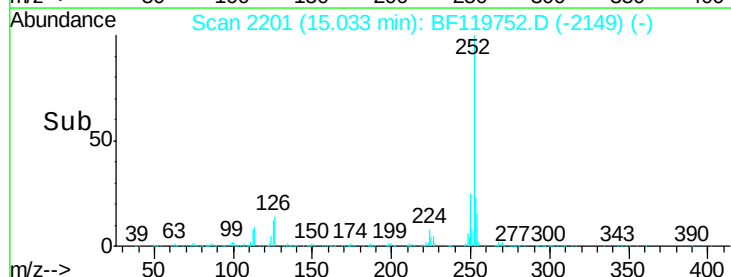
125 12.4 7.9 11.9#

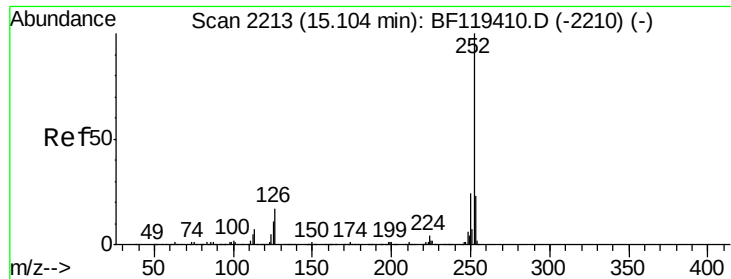


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

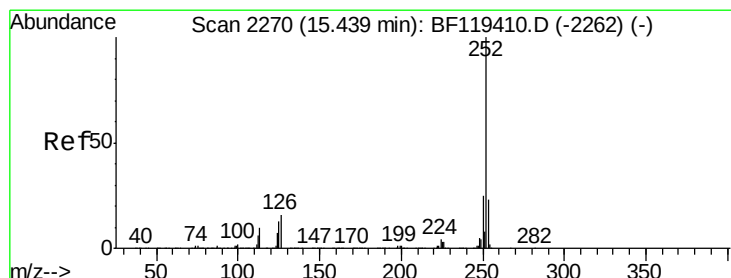
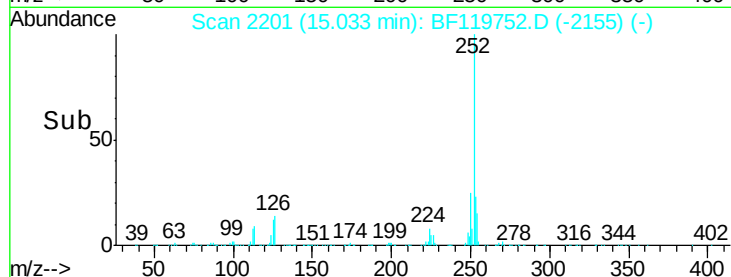
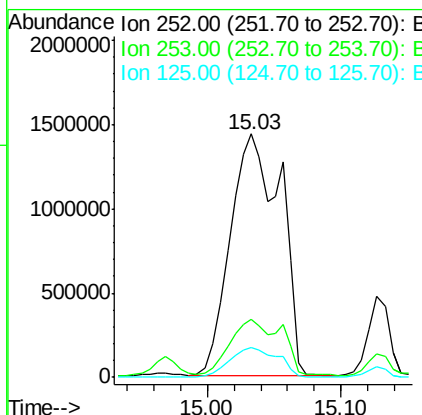
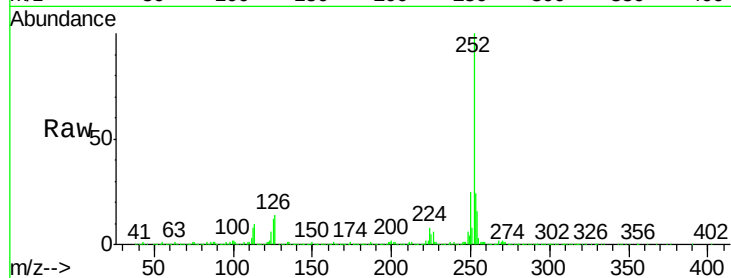




#89
Benzo(k)fluoranthene
Concen: 176.51 ng
RT: 15.03 min Scan# 2201
Delta R.T. -0.03 min
Lab File: BF119752.D
Acq: 4 Apr 2020 8:29

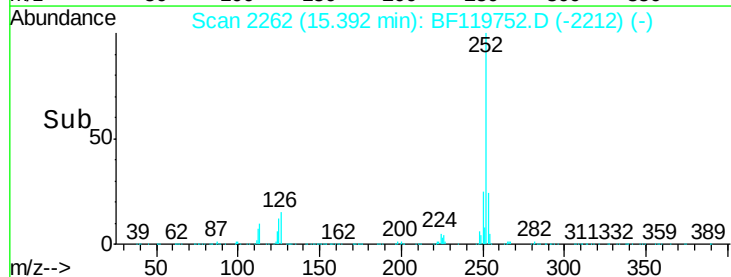
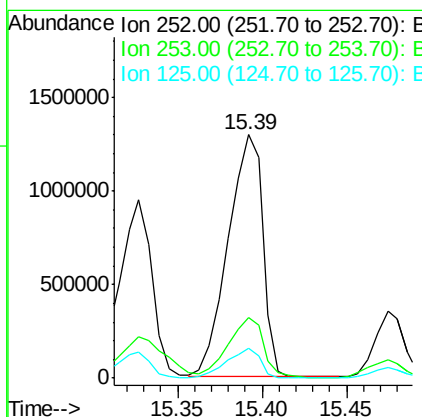
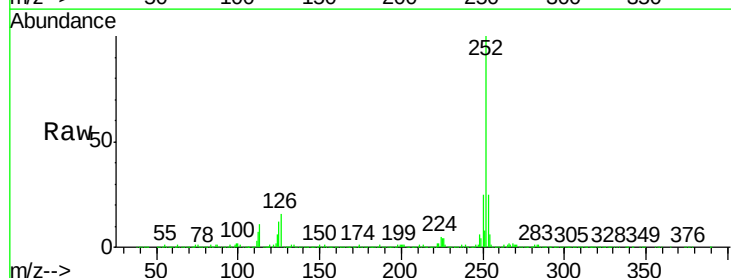
Instrument :
BNA_F
ClientSampleId :
TP-7

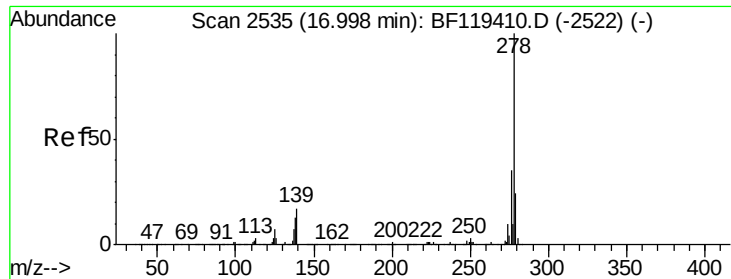
Tgt Ion:252 Resp: 3771550
Ion Ratio Lower Upper
252 100
253 23.8 17.8 26.6
125 12.4 8.4 12.6



#90
Benzo(a)pyrene
Concen: 91.27 ng
RT: 15.39 min Scan# 2262
Delta R.T. -0.01 min
Lab File: BF119752.D
Acq: 4 Apr 2020 8:29

Tgt Ion:252 Resp: 1861329
Ion Ratio Lower Upper
252 100
253 24.7 18.2 27.2
125 12.1 9.4 14.2





#91

Dibenzo(a,h)anthracene

Concen: 15.28 ng

RT: 17.06 min Scan# 2546

Delta R.T. 0.13 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

Instrument :

BNA_F

ClientSampleId :

TP-7

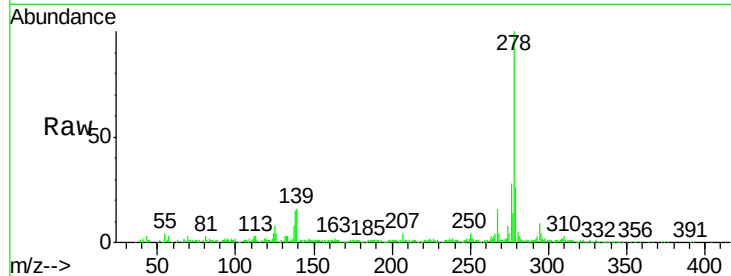
Tgt Ion:278 Resp: 272592

Ion Ratio Lower Upper

278 100

139 16.4 12.6 19.0

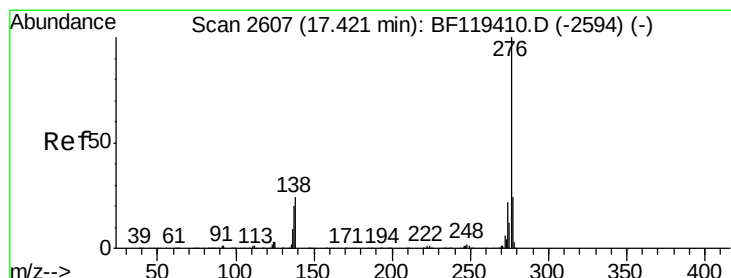
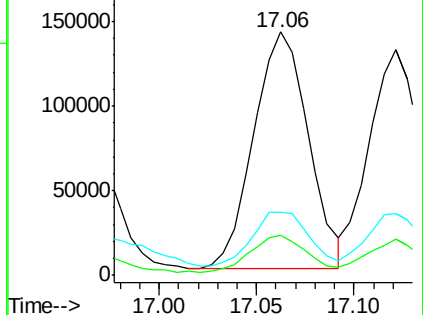
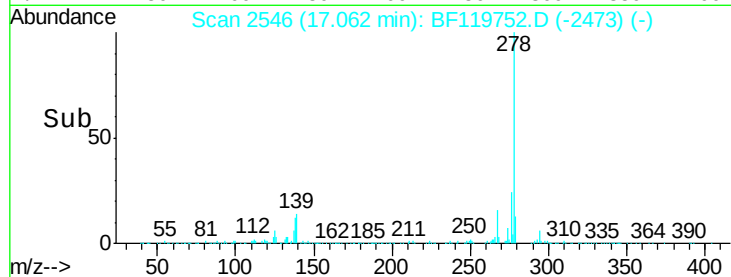
279 26.0 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 41.61 ng

RT: 17.33 min Scan# 2592

Delta R.T. -0.02 min

Lab File: BF119752.D

Acq: 4 Apr 2020 8:29

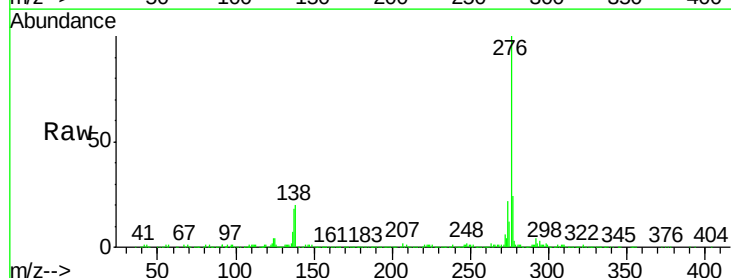
Tgt Ion:276 Resp: 745688

Ion Ratio Lower Upper

276 100

277 24.1 18.4 27.6

138 19.9 15.4 23.0



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

