

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040320\
 Data File : BF119751.D
 Acq On : 4 Apr 2020 8:02
 Operator : MA/SJ
 Sample : L2129-06
 Misc :
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Quant Time: Apr 06 00:30:09 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	187225	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	692860	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	337278	20.00	ng	-0.02
64) Phenanthrene-d10	11.33	188	567545	20.00	ng	-0.02
76) Chrysene-d12	13.97	240	368617	20.00	ng	-0.02
87) Perylene-d12	15.43	264	375487	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.43	112	1771152	150.59	ng	0.01
7) Phenol-d6	6.44	99	2282216	151.91	ng	0.00
23) Nitrobenzene-d5	7.37	82	1399970	109.81	ng	-0.01
42) 2,4,6-Tribromophenol	10.64	330	516544	148.45	ng	-0.01
45) 2-Fluorobiphenyl	9.17	172	2330689	102.37	ng	-0.01
79) Terphenyl-d14	12.92	244	1894607	100.70	ng	-0.02

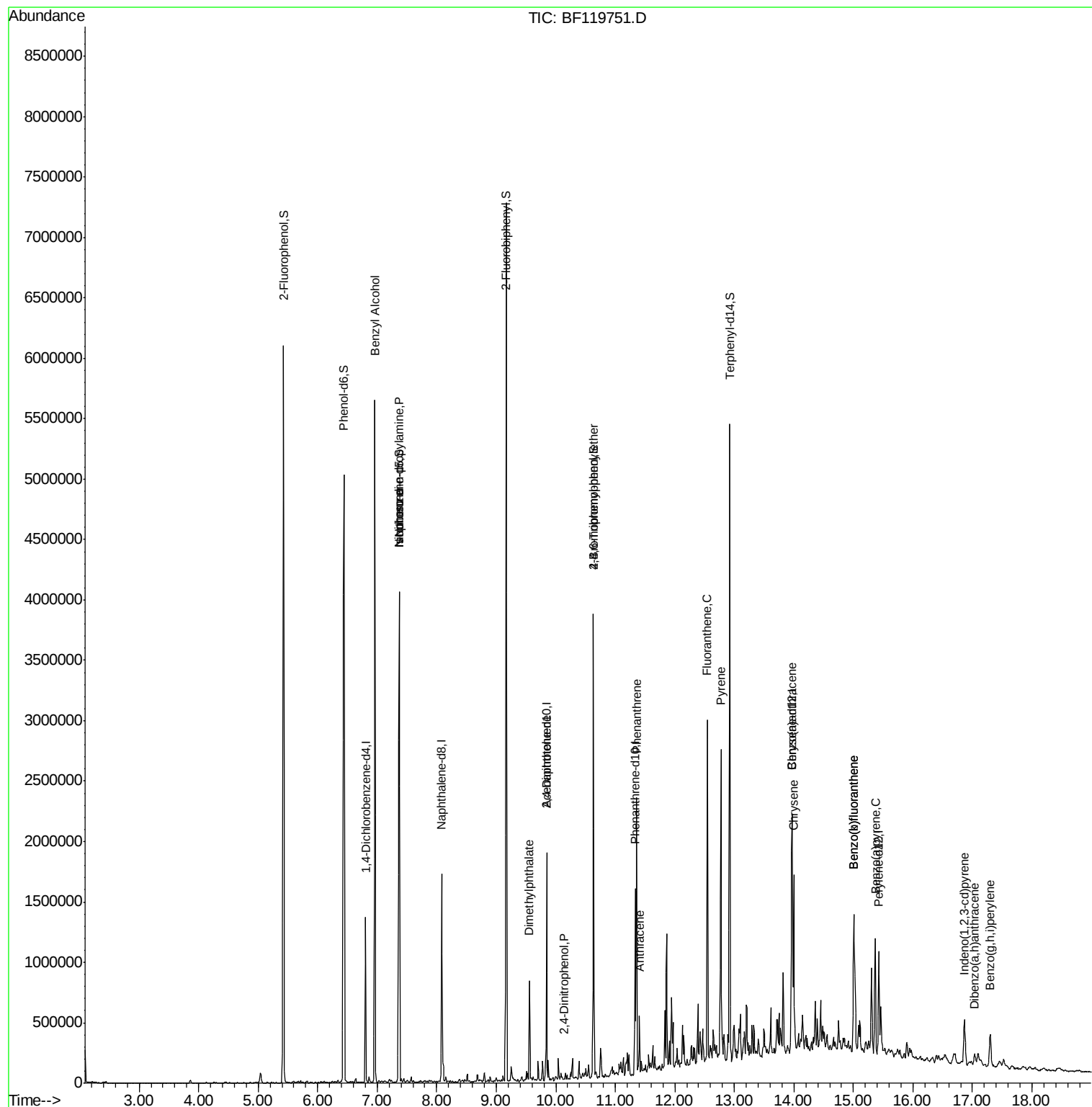
Target Compounds						Qvalue
15) Benzyl Alcohol	6.96	79	23553	2.08	ng	# 51
19) n-Nitroso-di-n-propylamine	7.37	70	185993	20.54	ng	# 76
25) Isophorone	7.37	82	1397371	54.03	ng	# 65
50) Dimethylphthalate	9.56	163	323995	13.52	ng	98
54) 2,4-Dinitrophenol	10.13	184	333	7.41	ng	# 59
57) 2,4-Dinitrotoluene	9.85	165	45991	7.11	ng	# 20
67) 4-Bromophenyl-phenylether	10.63	248	31722	4.91	ng	# 1
71) Phenanthrene	11.36	178	804882	27.35	ng	98
72) Anthracene	11.40	178	180325	6.03	ng	98
75) Fluoranthene	12.54	202	1201594	37.73	ng	98
78) Pyrene	12.77	202	1164124	38.48	ng	98
81) Benzo(a)anthracene	13.96	228	623670	26.02	ng	97
83) Chrysene	14.00	228	581573	23.51	ng	96
86) Indeno(1,2,3-cd)pyrene	16.86	276	243477	10.45	ng	96
88) Benzo(b)fluoranthene	15.01	252	900739	35.91	ng	98
89) Benzo(k)fluoranthene	15.01	252	900739	37.71	ng	99
90) Benzo(a)pyrene	15.37	252	475124	20.84	ng	98
91) Dibenzo(a,h)anthracene	17.04	278	58917	2.96	ng	95
92) Benzo(g,h,i)perylene	17.30	276	214905	10.73	ng	98

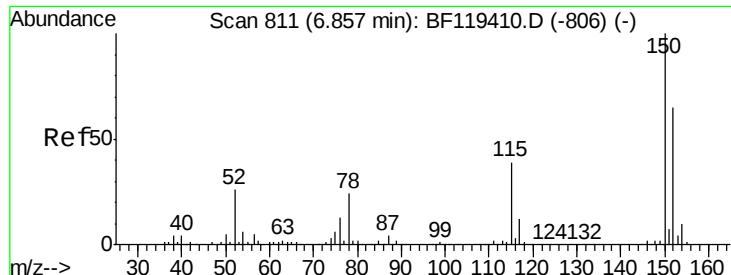
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF119751.D

Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

ClientSampled :

TP-8

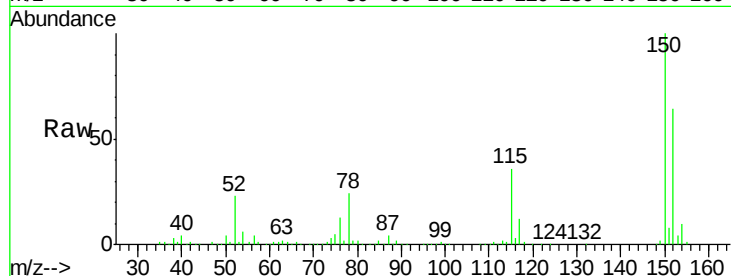
Tgt Ion:152 Resp: 187225

Ion Ratio Lower Upper

152 100

150 157.3 124.5 186.7

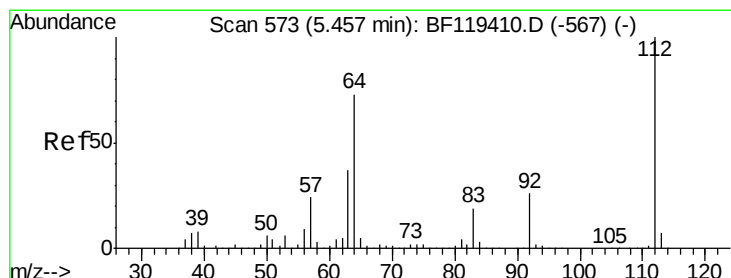
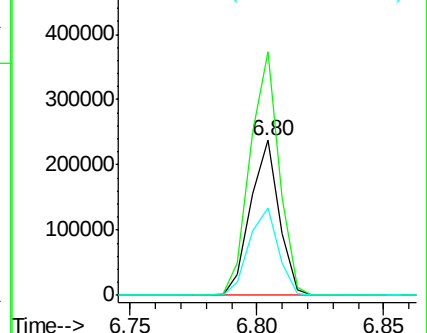
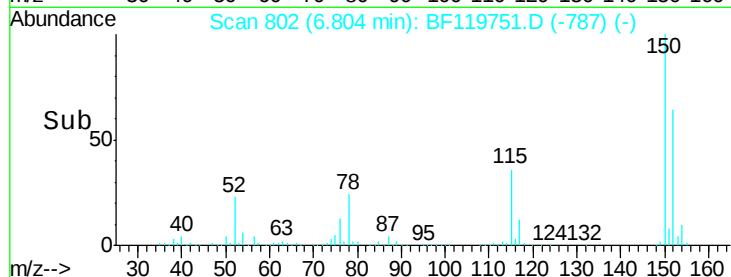
115 56.4 49.6 74.4



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: 150.59 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

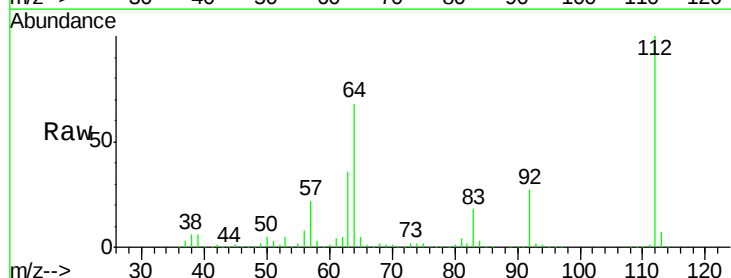
Tgt Ion:112 Resp: 1771152

Ion Ratio Lower Upper

112 100

64 68.0 56.7 85.1

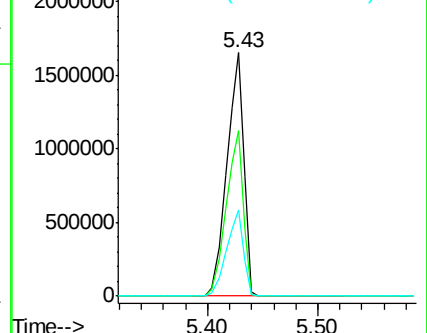
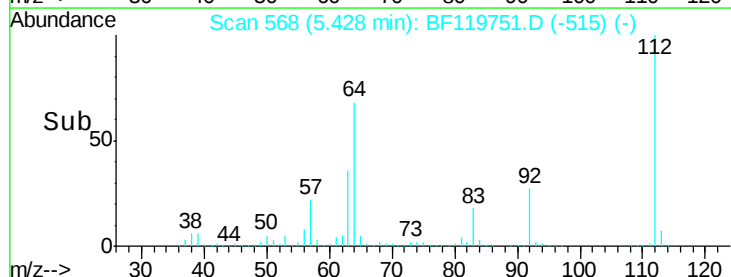
63 35.5 29.5 44.3

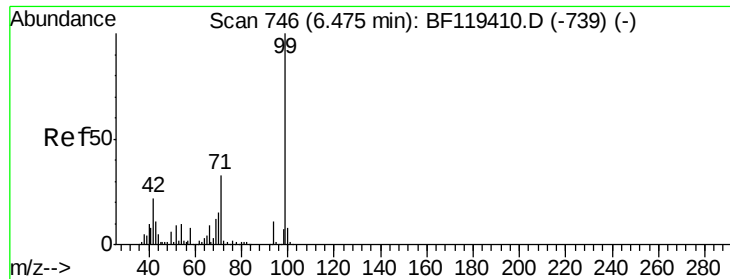


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 151.91 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

ClientSampleId :

TP-8

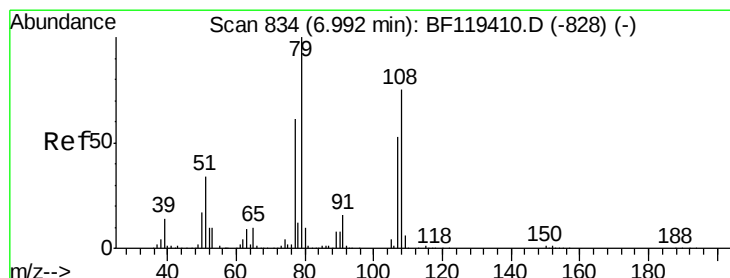
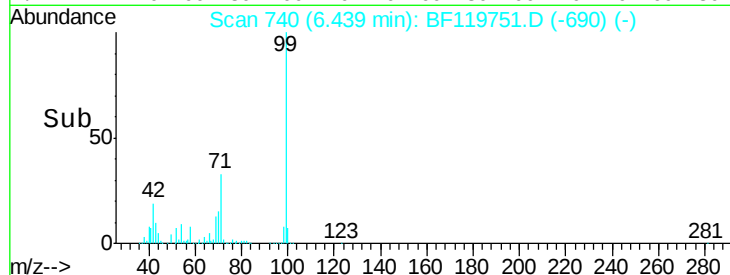
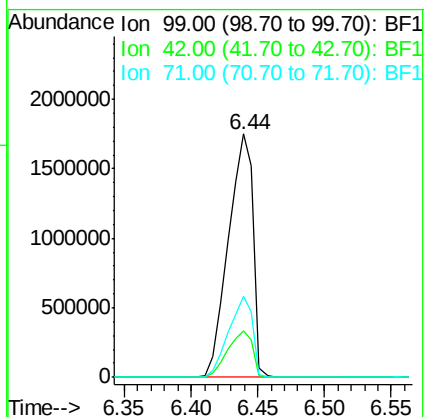
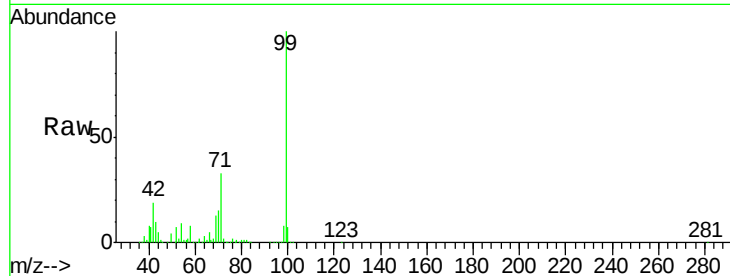
Tgt Ion: 99 Resp: 2282216

Ion Ratio Lower Upper

99 100

42 19.3 16.6 24.8

71 33.1 26.4 39.6



#15

Benzyl Alcohol

Concen: 2.08 ng

RT: 6.96 min Scan# 829

Delta R.T. 0.01 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

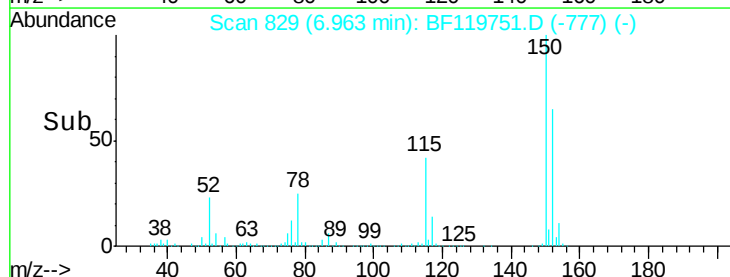
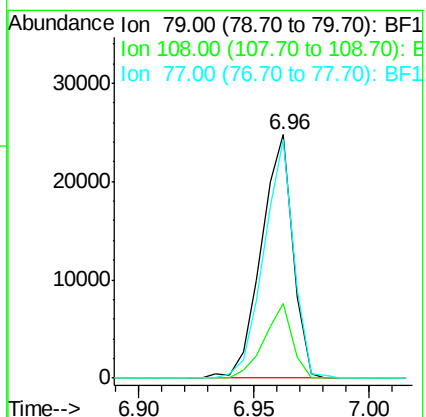
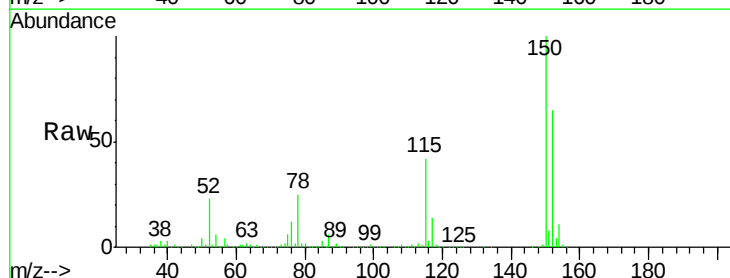
Tgt Ion: 79 Resp: 23553

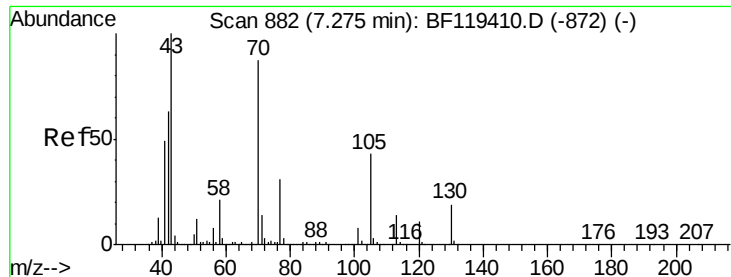
Ion Ratio Lower Upper

79 100

108 30.5 60.6 90.8#

77 97.8 50.2 75.2#

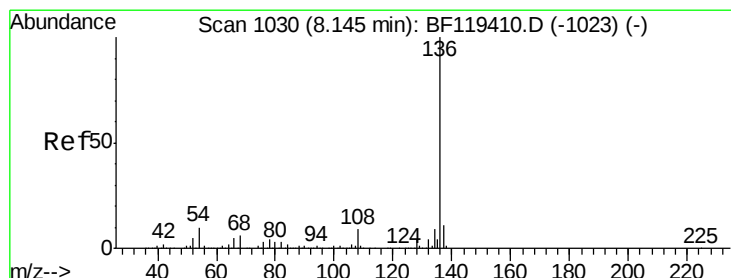
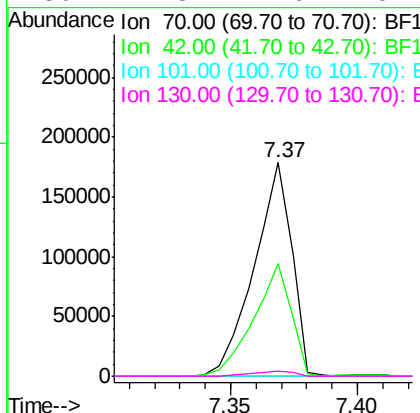
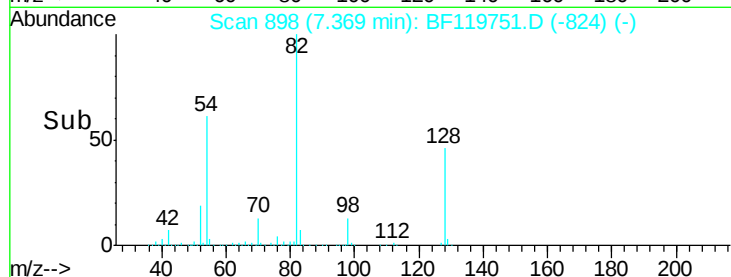
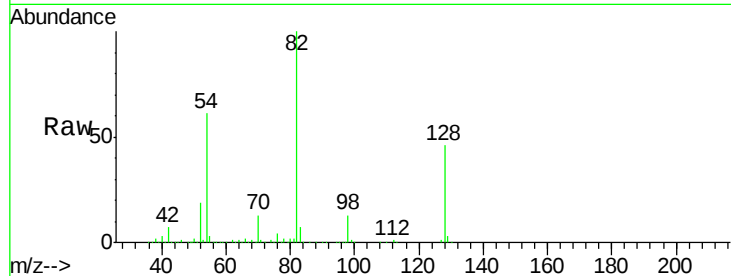




#19
n-Nitroso-di-n-propylamine
Concen: 20.54 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.14 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

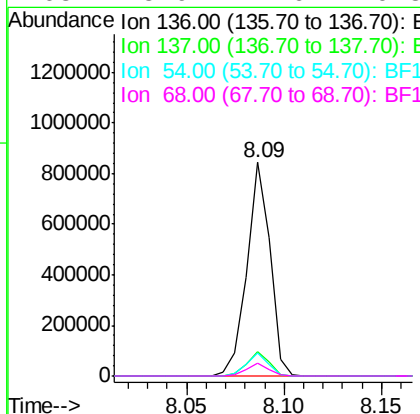
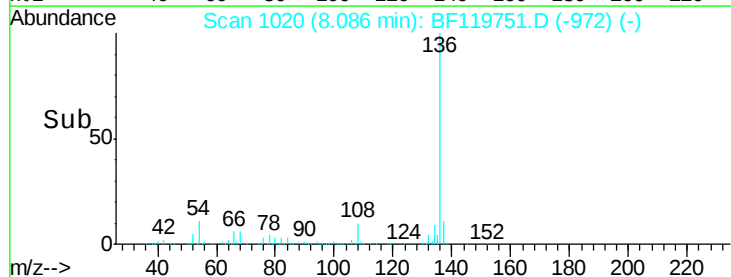
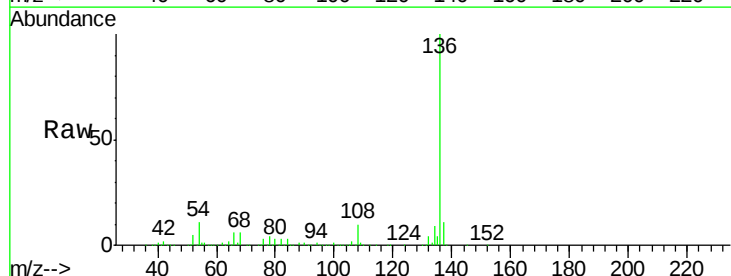
Instrument :
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TP-8

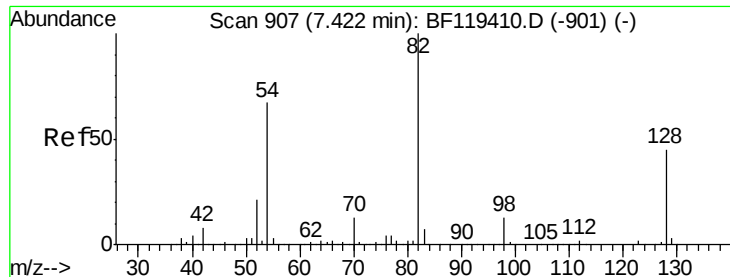
Tgt Ion: 70 Resp: 185993
Ion Ratio Lower Upper
70 100
42 53.0 54.5 81.7#
101 0.0 7.6 11.4#
130 2.3 17.6 26.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.02 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Tgt Ion: 136 Resp: 692860
Ion Ratio Lower Upper
136 100
137 11.2 8.7 13.1
54 10.6 9.1 13.7
68 5.9 4.6 6.8

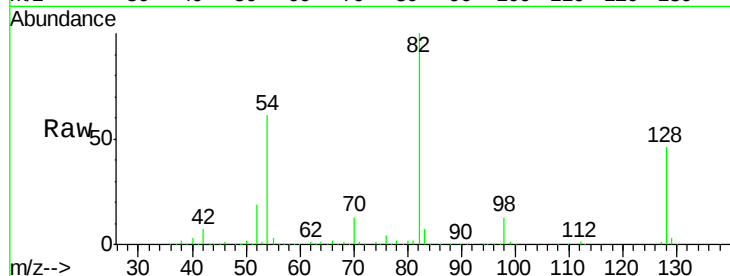




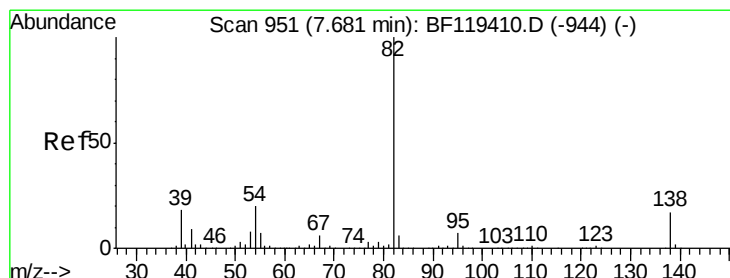
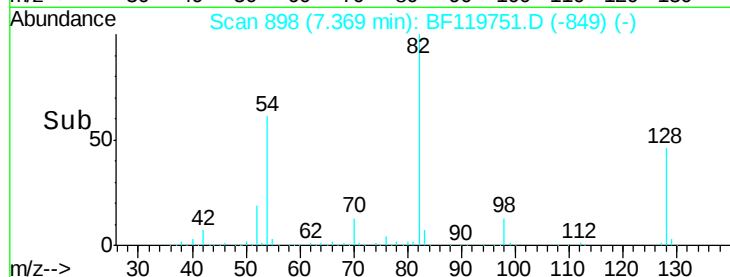
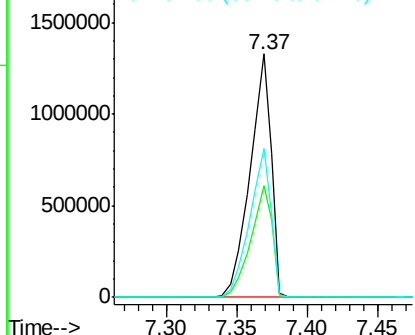
#23
 Nitrobenzene-d5
 Concen: 109.81 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tgt Ion: 82 Resp: 1399970
 Ion Ratio Lower Upper
 82 100
 128 45.8 36.3 54.5
 54 61.1 50.6 75.8

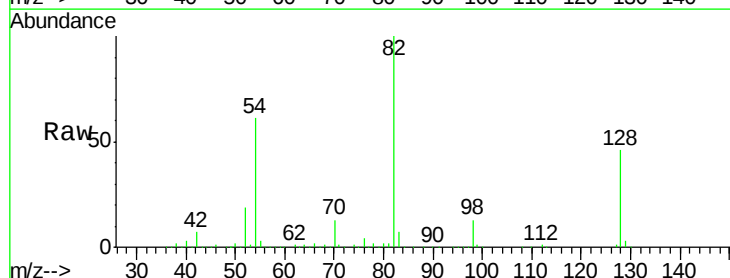


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

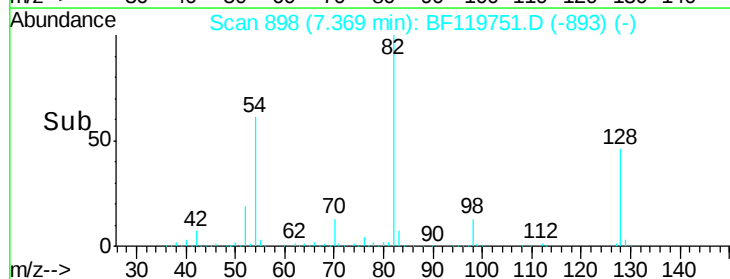
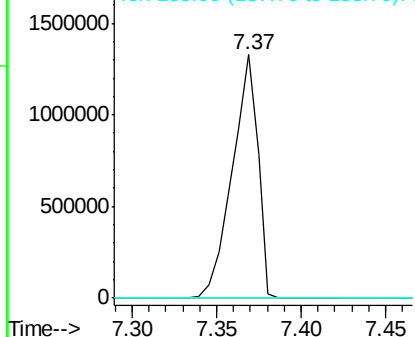


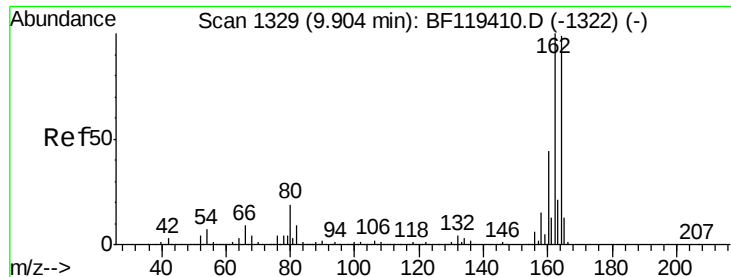
#25
 Isophorone
 Concen: 54.03 ng
 RT: 7.37 min Scan# 898
 Delta R.T. -0.27 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Tgt Ion: 82 Resp: 1397371
 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

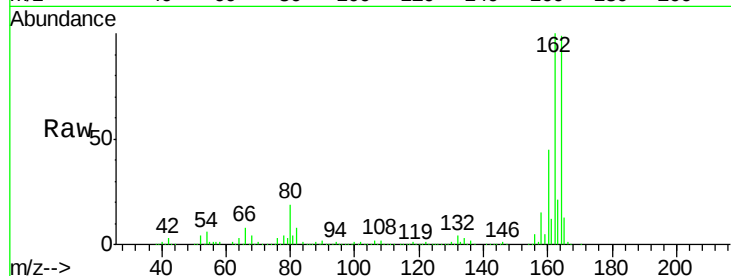




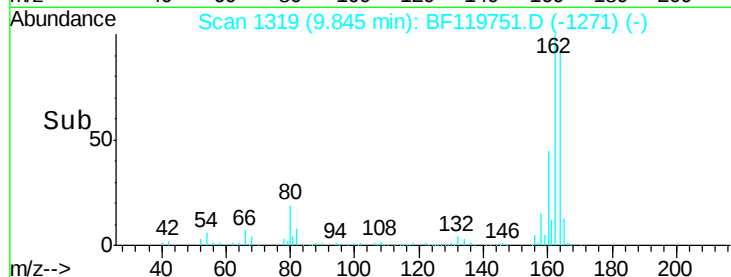
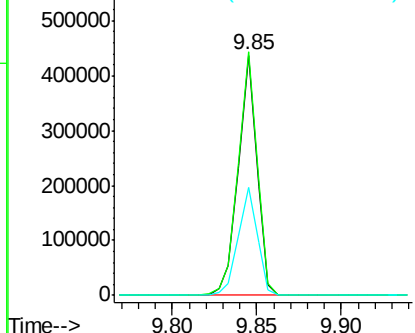
#39
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.02 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Instrument :
 BNA_F
 ClientSampleId :
 TP-8

Tgt Ion:164 Resp: 337278
 Ion Ratio Lower Upper
 164 100
 162 101.3 80.6 121.0
 160 45.1 35.7 53.5

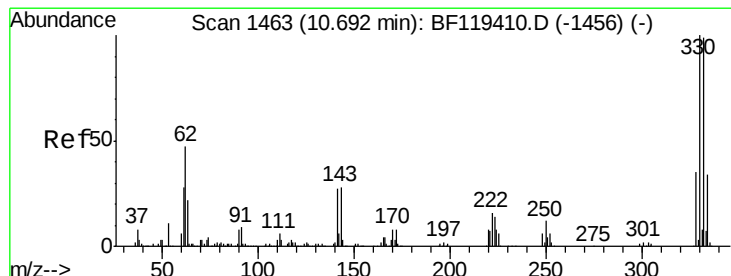


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

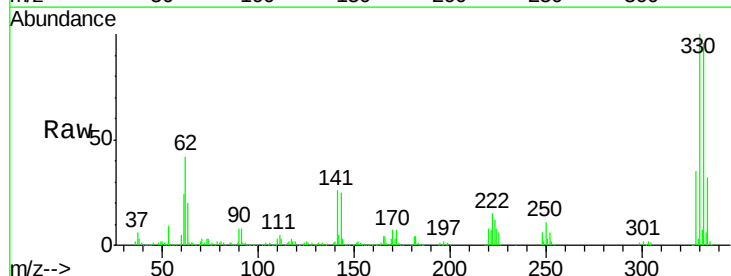
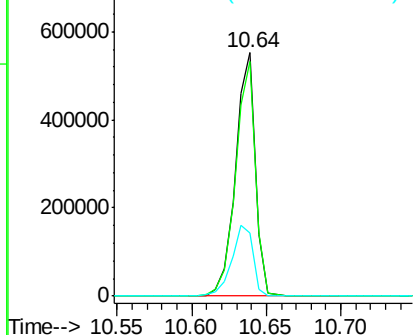


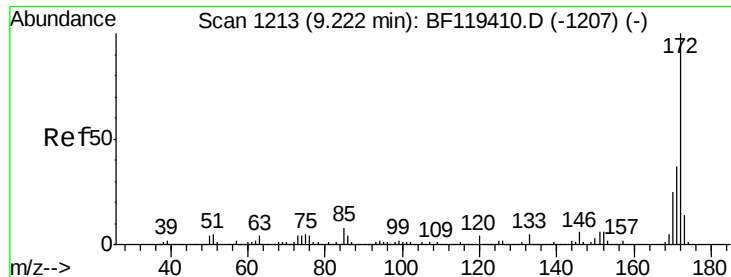
#42
 2,4,6-Tribromophenol
 Concen: 148.45 ng
 RT: 10.64 min Scan# 1454
 Delta R.T. -0.01 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Tgt Ion:330 Resp: 516544
 Ion Ratio Lower Upper
 330 100
 332 96.8 75.7 113.5
 141 32.2 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

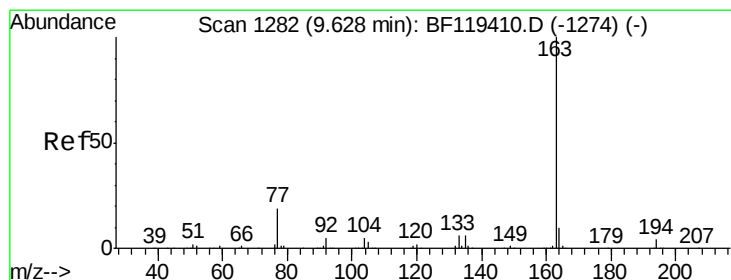
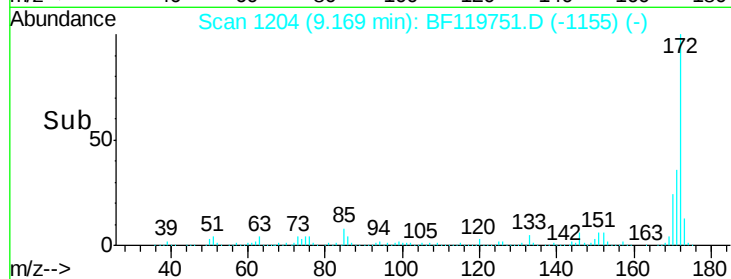
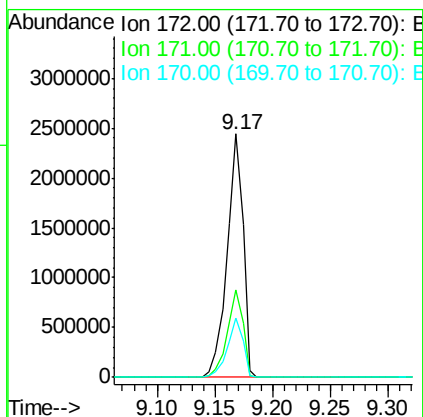
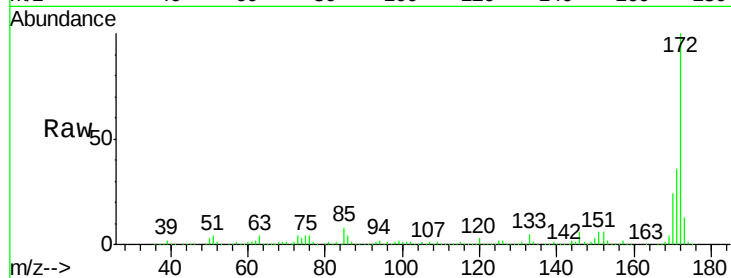




#45
 2-Fluorobiphenyl
 Concen: 102.37 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

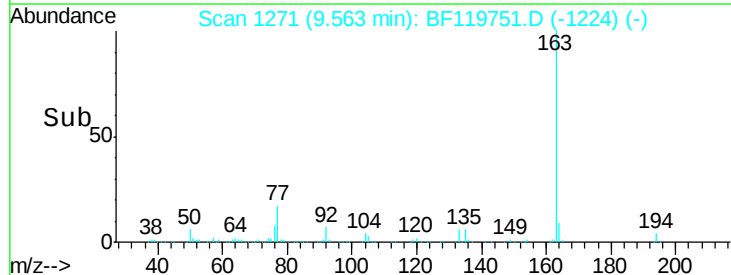
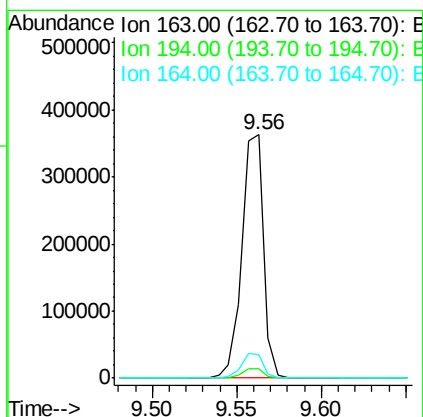
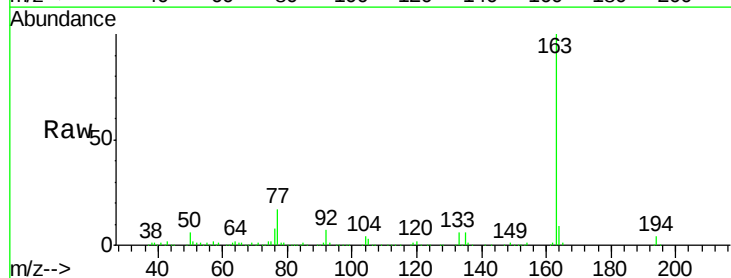
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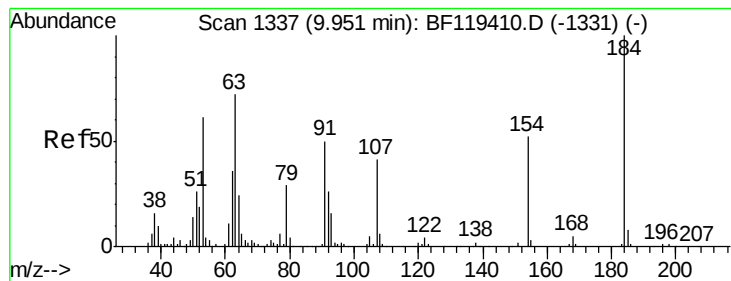
Tgt Ion:172 Resp: 2330689
 Ion Ratio Lower Upper
 172 100
 171 35.7 29.6 44.4
 170 24.3 20.2 30.2



#50
 Dimethylphthalate
 Concen: 13.52 ng
 RT: 9.56 min Scan# 1271
 Delta R.T. -0.02 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Tgt Ion:163 Resp: 323995
 Ion Ratio Lower Upper
 163 100
 194 4.0 3.1 4.7
 164 9.4 8.2 12.2





#54

2,4-Dinitrophenol

Concen: 7.41 ng

RT: 10.13 min Scan# 1367

Delta R.T. 0.21 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

ClientSampled :

TP-8

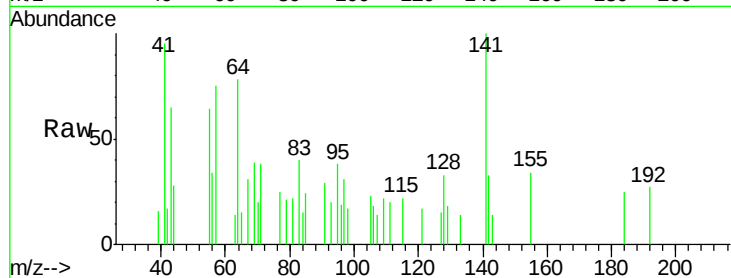
Tgt Ion:184 Resp: 333

Ion Ratio Lower Upper

184 100

63 55.2 50.2 75.4

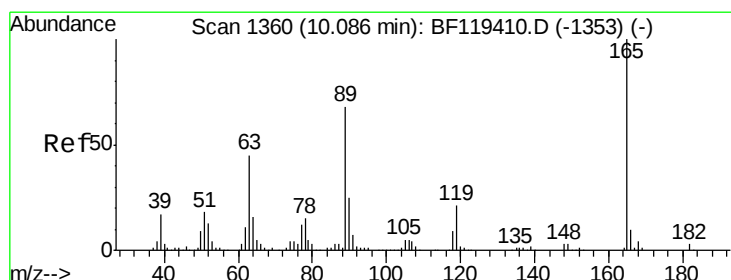
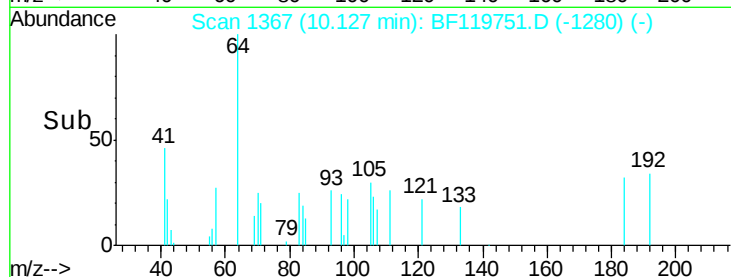
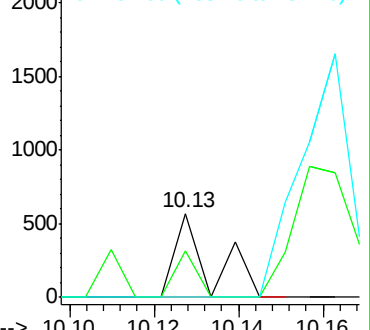
154 0.0 44.5 66.7#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E



#57

2,4-Dinitrotoluene

Concen: 7.11 ng

RT: 9.85 min Scan# 1319

Delta R.T. -0.21 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Tgt Ion:165 Resp: 45991

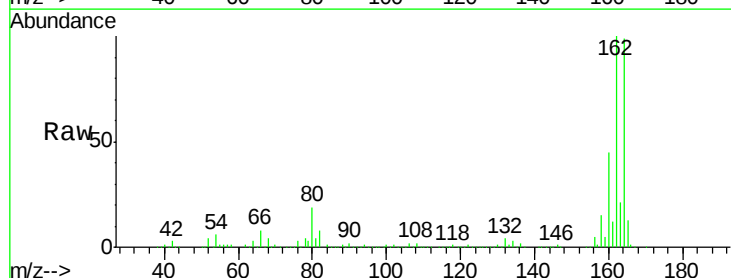
Ion Ratio Lower Upper

165 100

63 1.2 42.6 64.0#

89 1.4 61.0 91.4#

182 0.0 2.2 3.2#

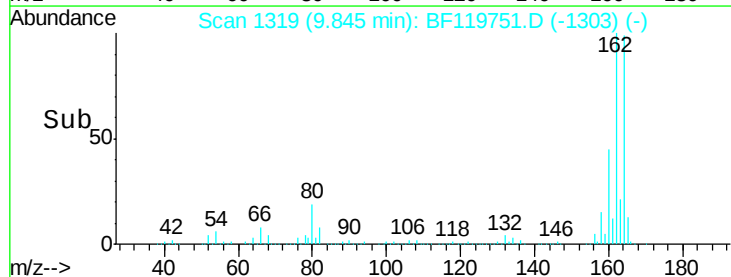
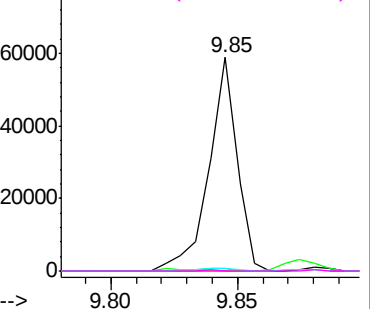


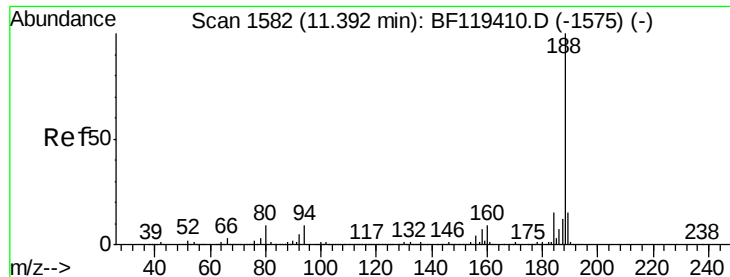
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E

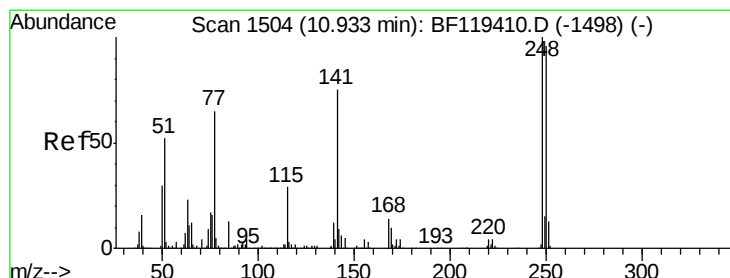
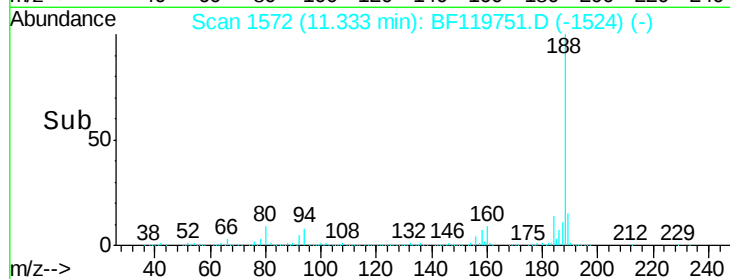
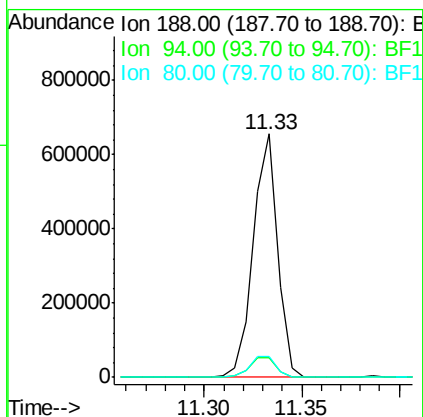
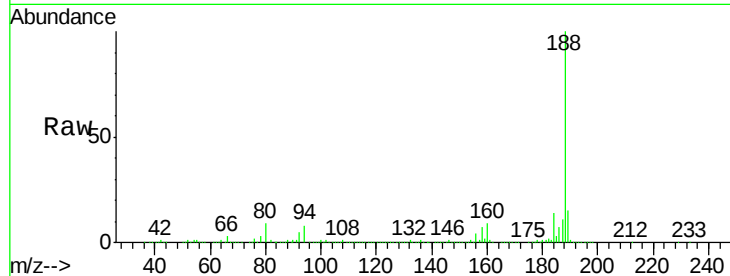




#64
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. -0.02 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

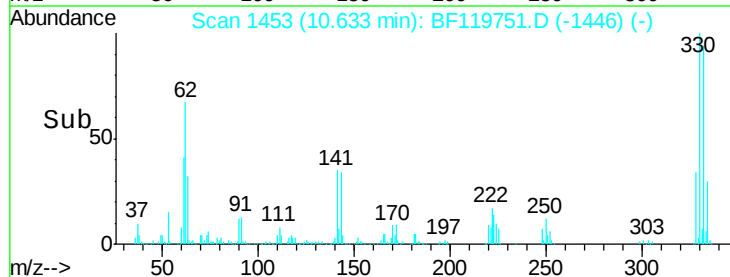
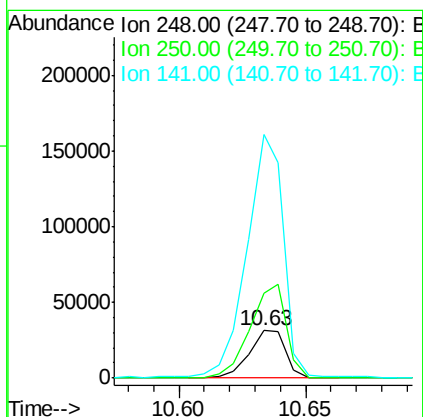
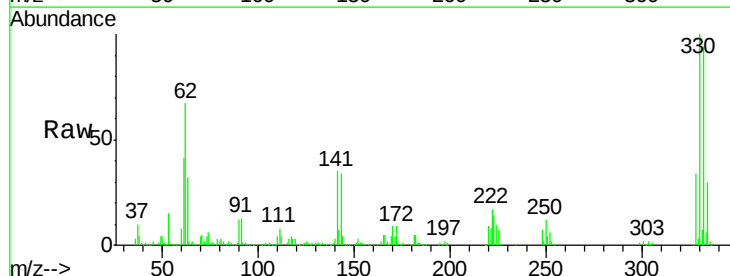
Instrument :
 BNA_F
 ClientSampled :
 TP-8

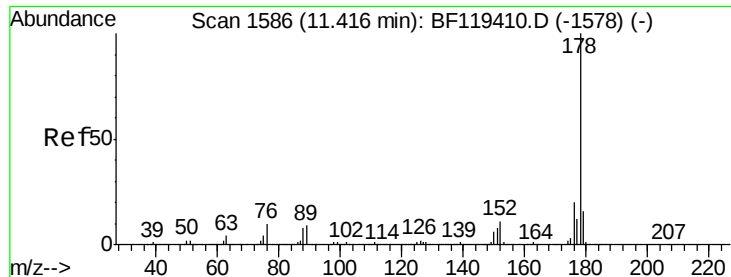
Tgt Ion:188 Resp: 567545
 Ion Ratio Lower Upper
 188 100
 94 8.2 7.5 11.3
 80 8.8 9.0 13.4#



#67
 4-Bromophenyl-phenylether
 Concen: 4.91 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.26 min
 Lab File: BF119751.D
 Acq: 4 Apr 2020 8:02

Tgt Ion:248 Resp: 31722
 Ion Ratio Lower Upper
 248 100
 250 180.2 77.3 115.9#
 141 514.8 58.6 87.8#

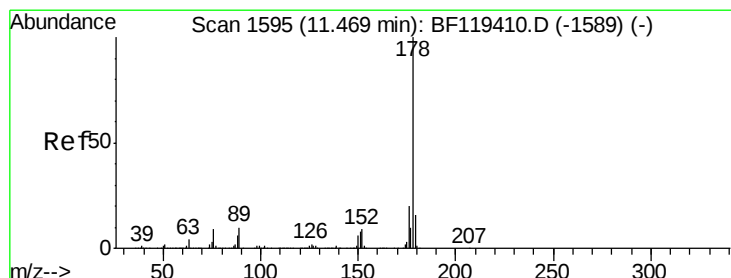
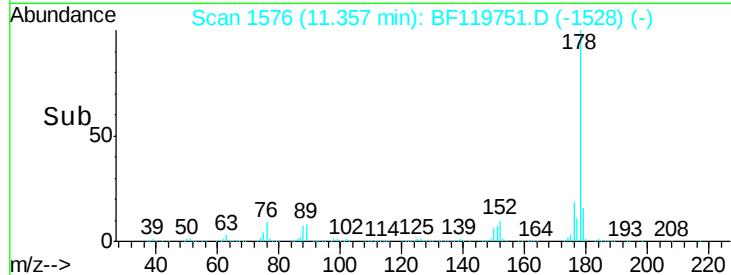
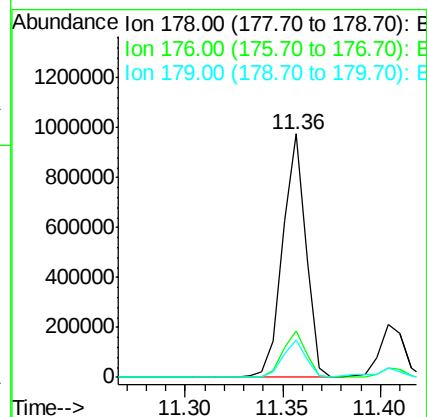
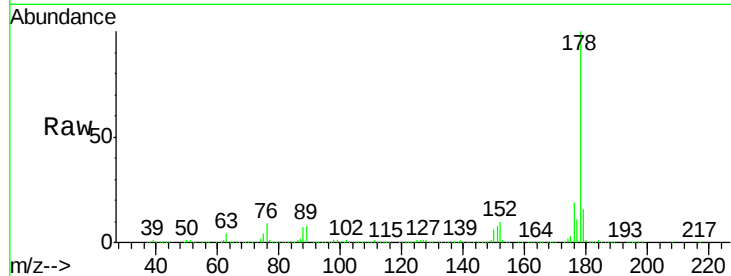




#71
Phenanthrene
Concen: 27.35 ng
RT: 11.36 min Scan# 1576
Delta R.T. -0.02 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

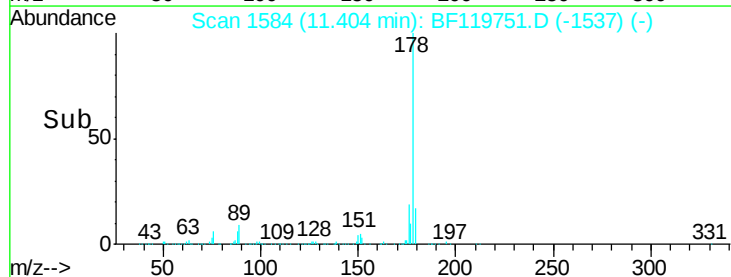
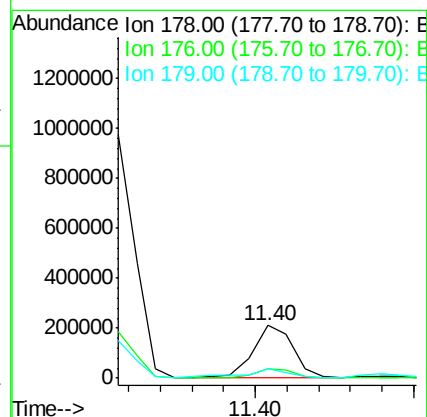
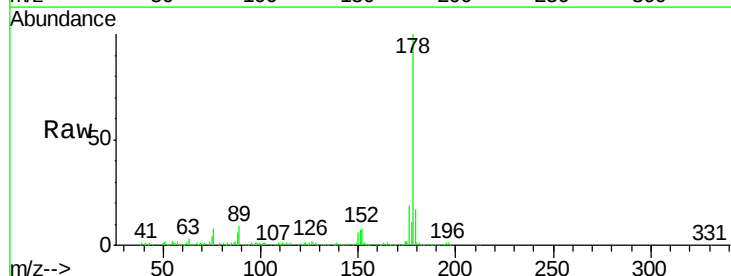
Instrument :
BNA_F
ClientSampleId :
TP-8

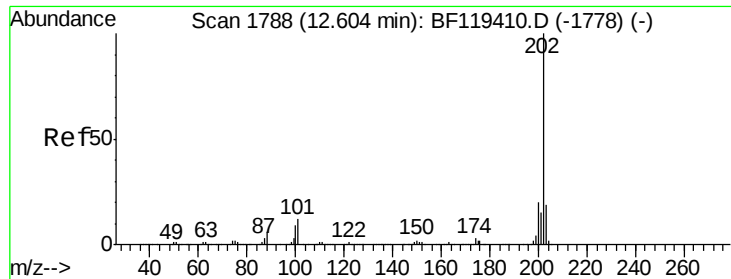
Tgt Ion:178 Resp: 804882
Ion Ratio Lower Upper
178 100
176 19.2 16.2 24.4
179 15.6 13.2 19.8



#72
Anthracene
Concen: 6.03 ng
RT: 11.40 min Scan# 1584
Delta R.T. -0.02 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Tgt Ion:178 Resp: 180325
Ion Ratio Lower Upper
178 100
176 18.7 16.1 24.1
179 16.9 13.0 19.4





#75

Fluoranthene

Concen: 37.73 ng

RT: 12.54 min Scan# 1778

Delta R.T. -0.02 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

ClientSampleId :

TP-8

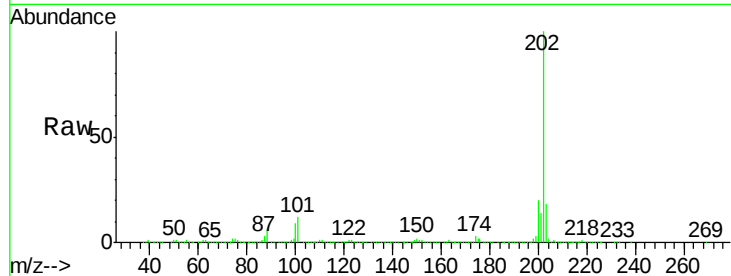
Tgt Ion:202 Resp: 1201594

Ion Ratio Lower Upper

202 100

101 11.8 0.0 32.2

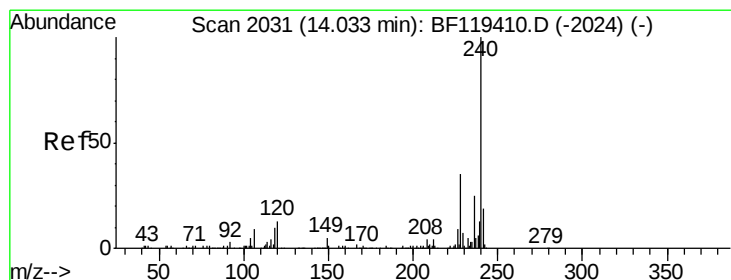
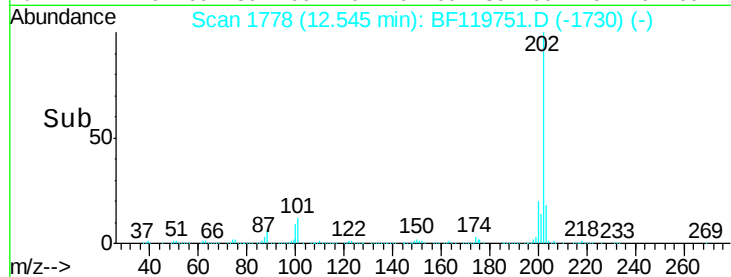
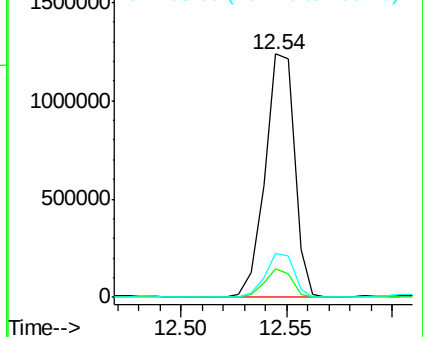
203 17.9 0.0 38.8



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: 13.97 min Scan# 2021

Delta R.T. -0.02 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

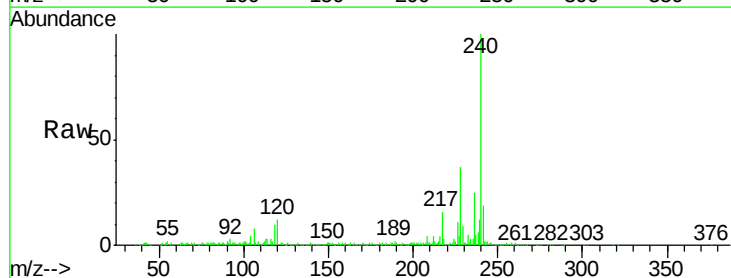
Tgt Ion:240 Resp: 368617

Ion Ratio Lower Upper

240 100

120 11.6 10.6 15.8

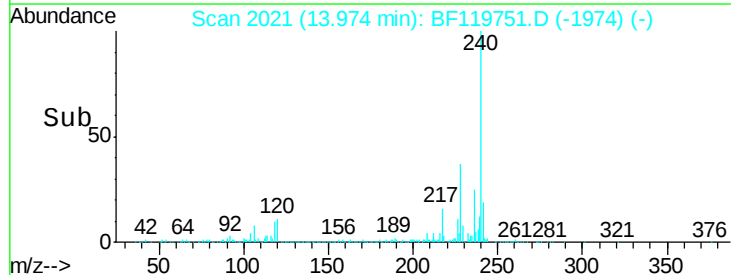
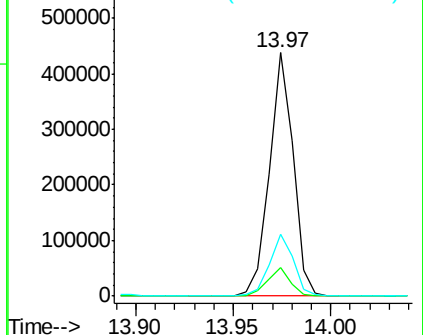
236 25.3 20.2 30.2

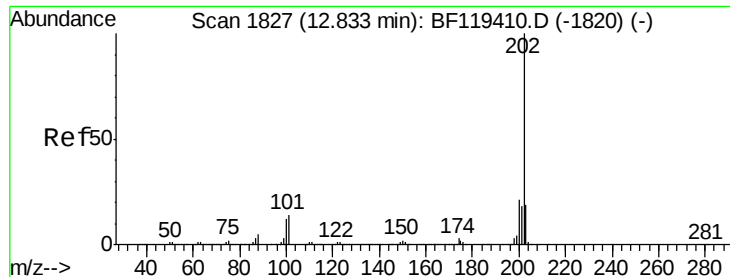


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#78

Pyrene

Concen: 38.48 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.02 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

ClientSampleId :

TP-8

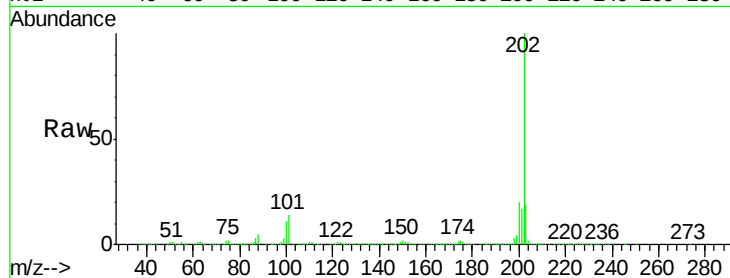
Tgt Ion:202 Resp: 1164124

Ion Ratio Lower Upper

202 100

200 19.8 16.8 25.2

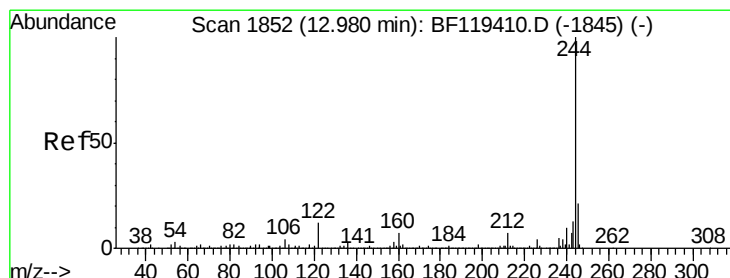
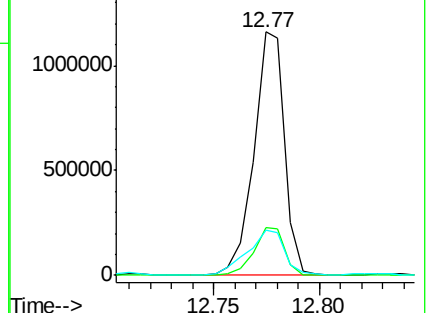
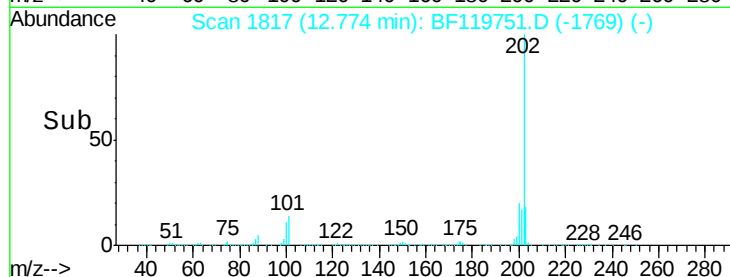
203 18.6 15.1 22.7



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: 100.70 ng

RT: 12.92 min Scan# 1842

Delta R.T. -0.02 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

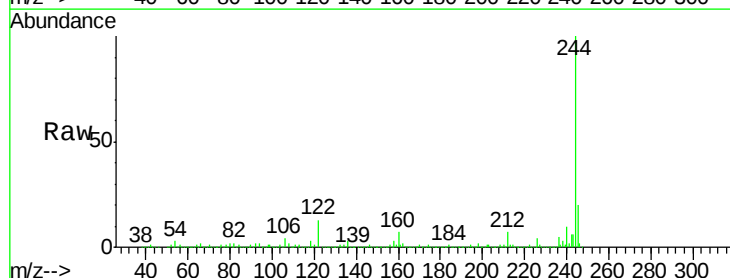
Tgt Ion:244 Resp: 1894607

Ion Ratio Lower Upper

244 100

212 6.6 5.8 8.8

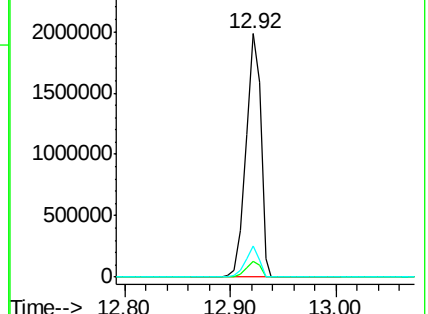
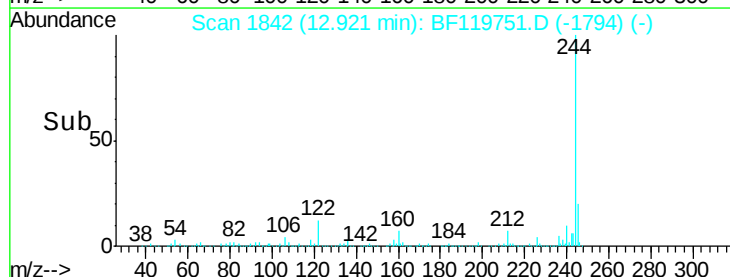
122 12.5 10.3 15.5

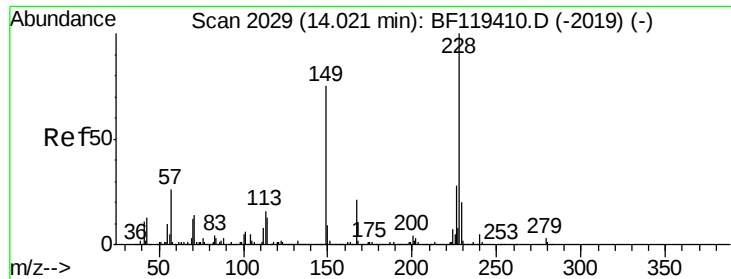


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#81

Benzo(a)anthracene

Concen: 26.02 ng

RT: 13.96 min Scan# 2019

Delta R.T. -0.02 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

ClientSampleId :

TP-8

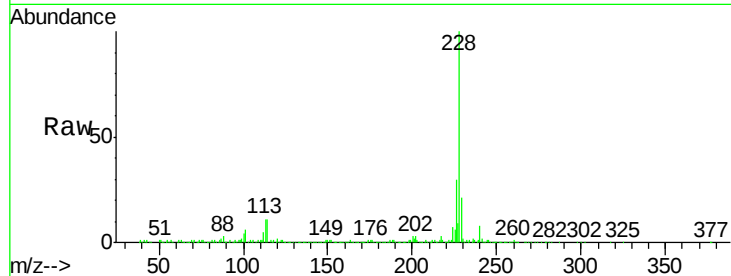
Tgt Ion: 228 Resp: 623670

Ion Ratio Lower Upper

228 100

226 29.7 21.8 32.8

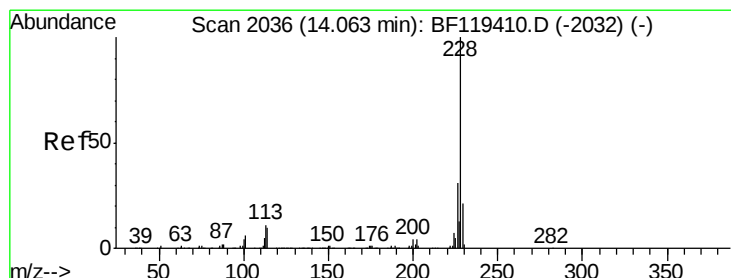
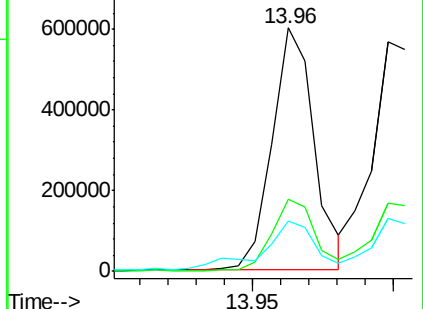
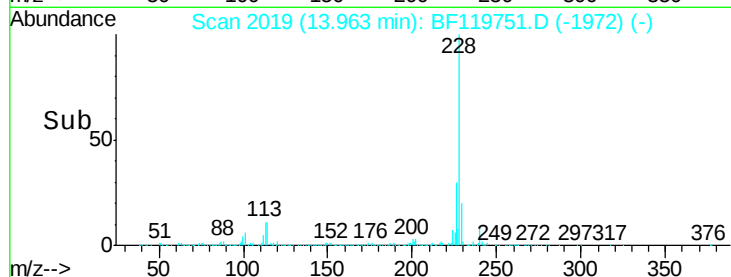
229 20.6 16.2 24.4



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



#83

Chrysene

Concen: 23.51 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.02 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

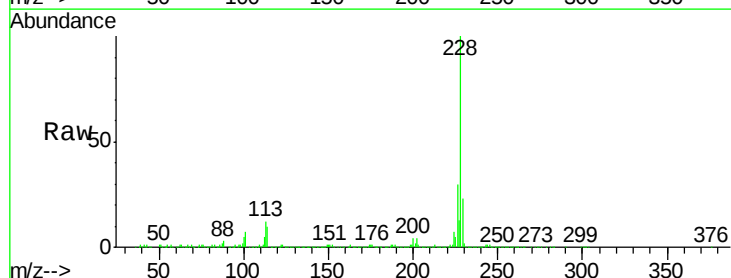
Tgt Ion: 228 Resp: 581573

Ion Ratio Lower Upper

228 100

226 30.0 25.4 38.0

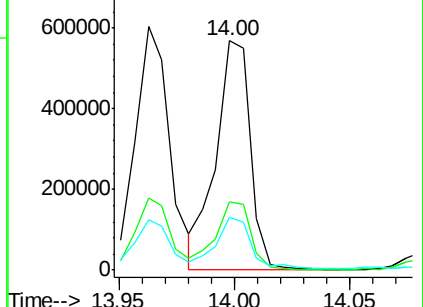
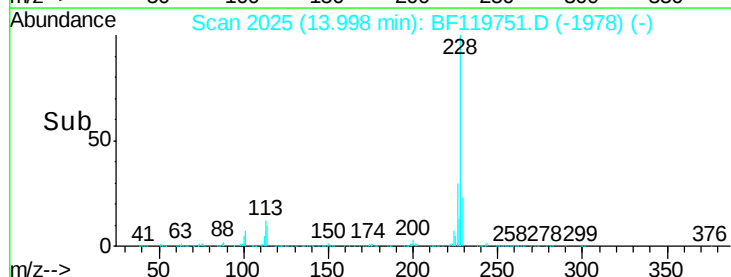
229 23.2 16.6 24.8

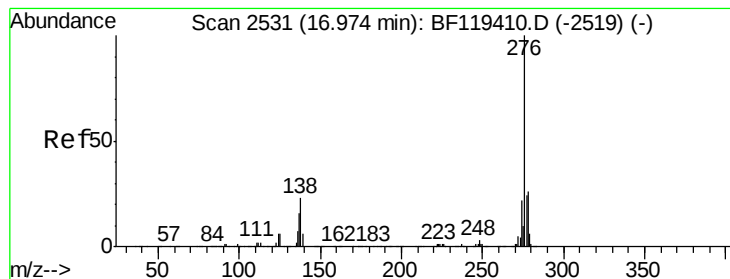


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Indeno(1,2,3-cd)pyrene

Concen: 10.45 ng

RT: 16.86 min Scan# 2512

Delta R.T. -0.05 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

ClientSampleId :

TP-8

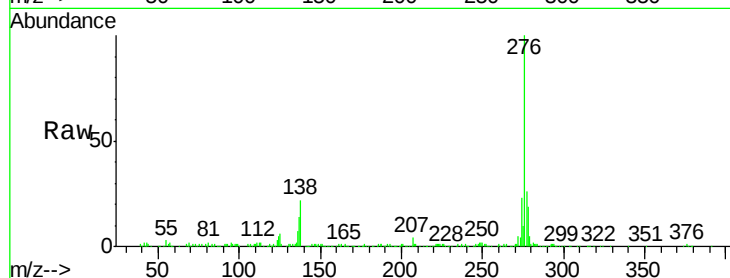
Tgt Ion:276 Resp: 243477

Ion Ratio Lower Upper

276 100

138 21.2 19.6 29.4

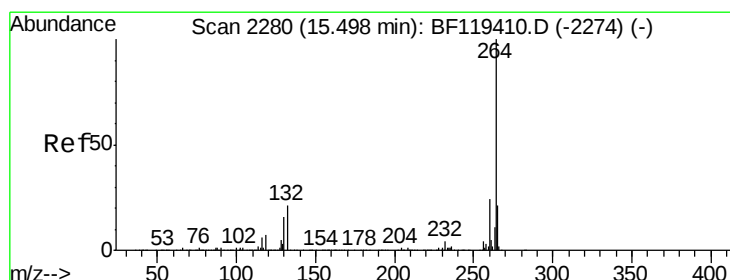
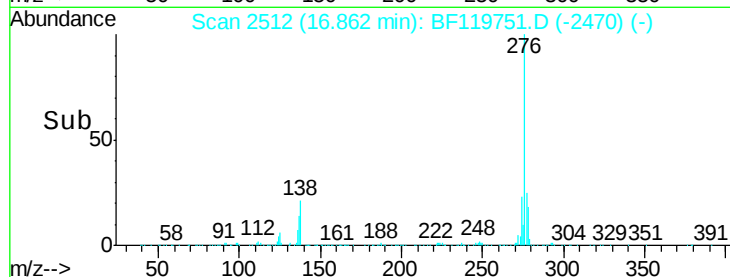
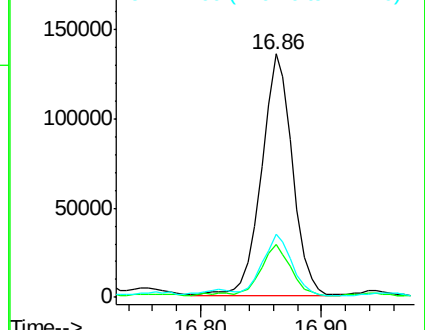
277 24.2 20.0 30.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#87

Perylene-d12

Concen: 20.00 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.02 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

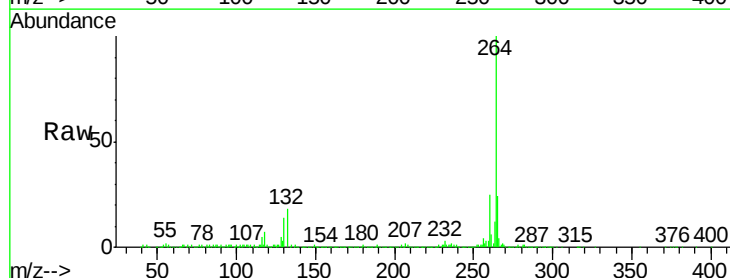
Tgt Ion:264 Resp: 375487

Ion Ratio Lower Upper

264 100

260 24.5 18.7 28.1

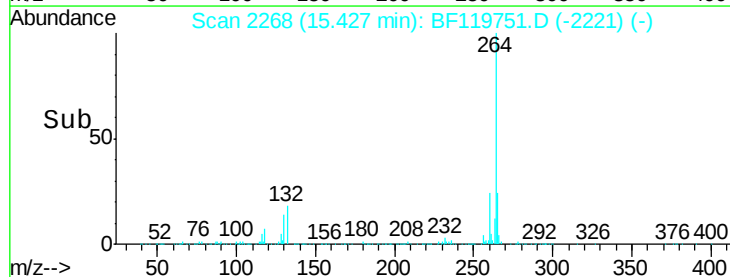
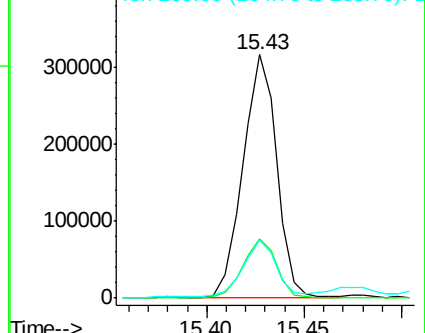
265 24.0 17.7 26.5

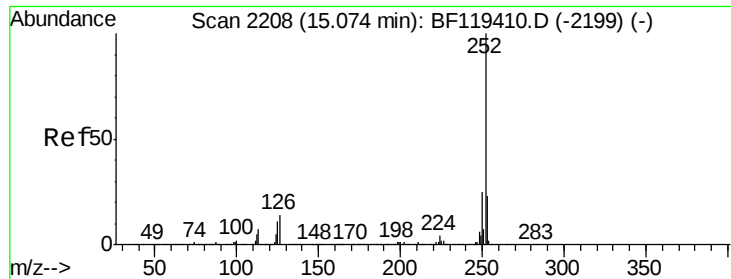


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

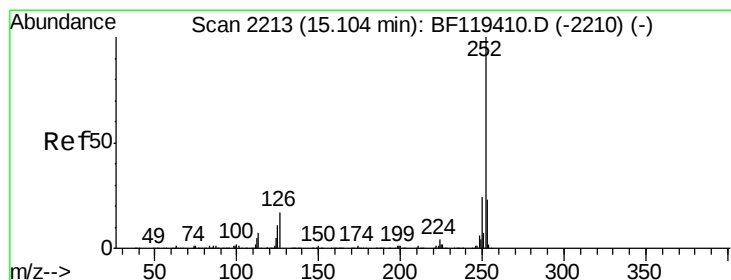
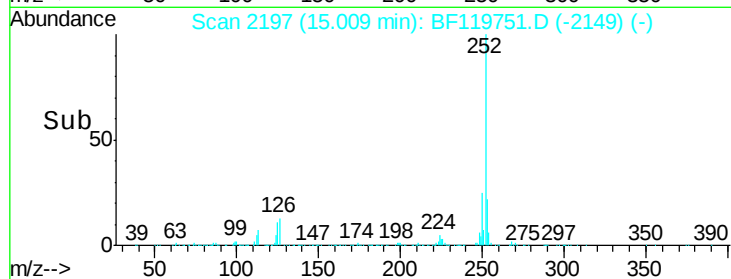
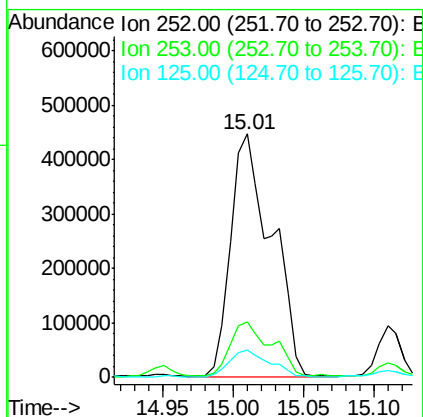
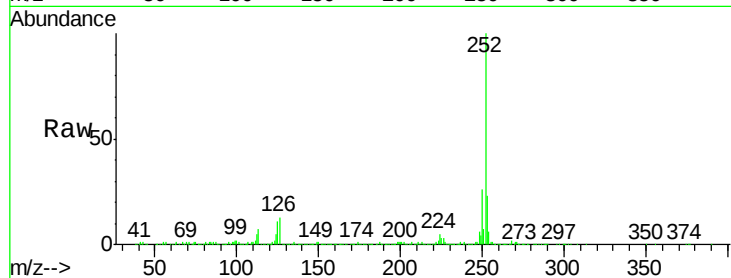




#88
Benzo(b)fluoranthene
Concen: 35.91 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

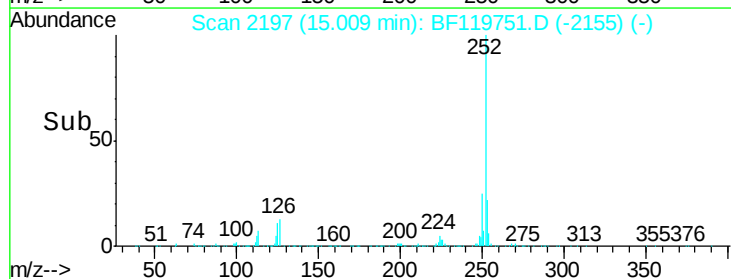
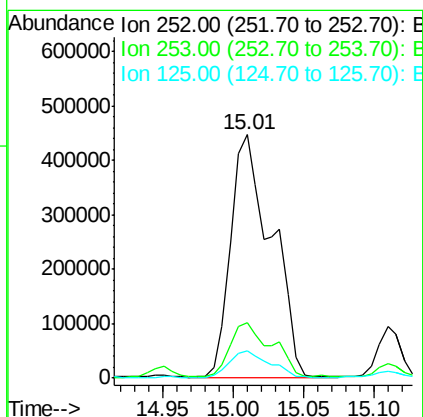
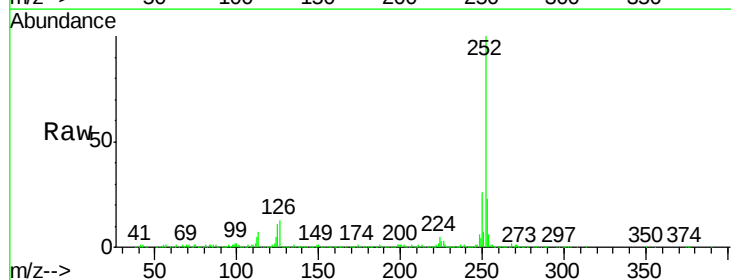
Instrument :
BNA_F
ClientSampleId :
TP-8

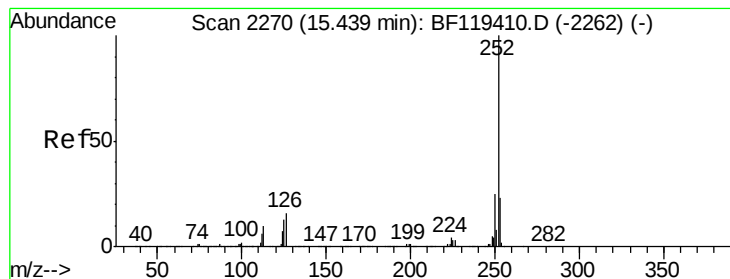
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.4	26.0
125	11.0	7.9	11.9



#89
Benzo(k)fluoranthene
Concen: 37.71 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.05 min
Lab File: BF119751.D
Acq: 4 Apr 2020 8:02

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.8	26.6
125	11.0	8.4	12.6





#90

Benzo(a)pyrene

Concen: 20.84 ng

RT: 15.37 min Scan# 2258

Delta R.T. -0.03 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

ClientSampleId :

TP-8

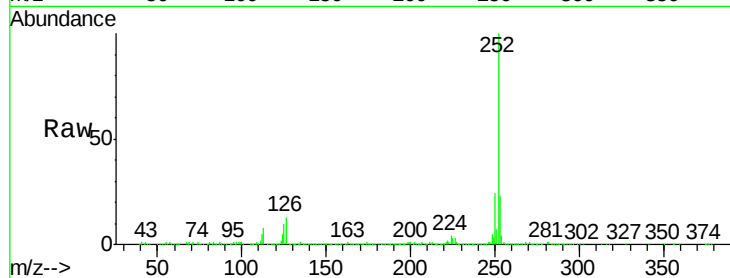
Tgt Ion:252 Resp: 475124

Ion Ratio Lower Upper

252 100

253 23.1 18.2 27.2

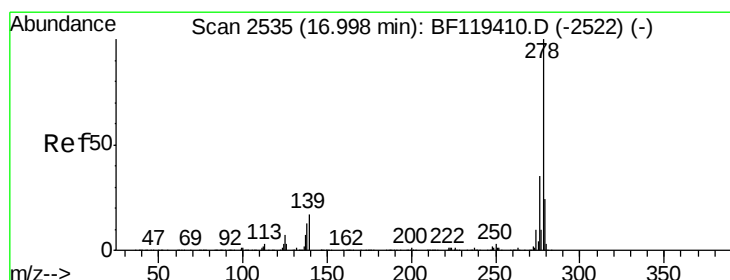
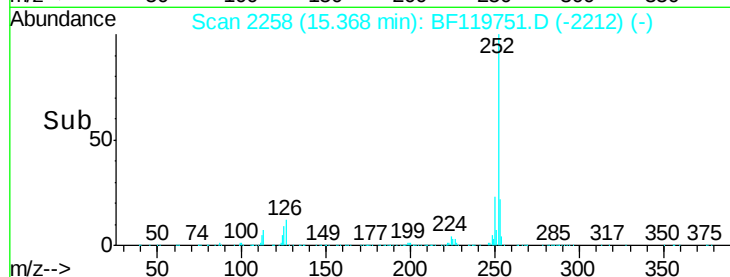
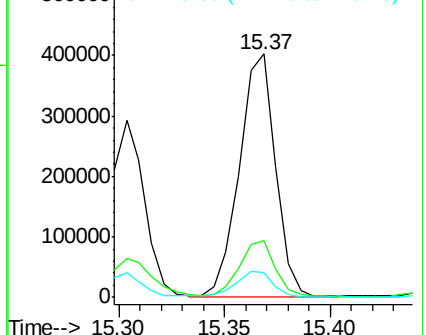
125 10.0 9.4 14.2



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



#91

Dibenzo(a,h)anthracene

Concen: 2.96 ng

RT: 17.04 min Scan# 2542

Delta R.T. 0.11 min

Lab File: BF119751.D

Acq: 4 Apr 2020 8:02

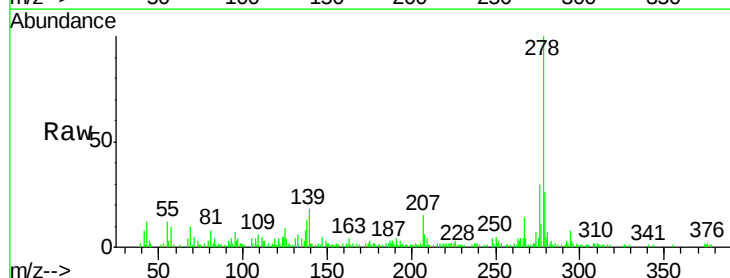
Tgt Ion:278 Resp: 58917

Ion Ratio Lower Upper

278 100

139 18.0 12.6 19.0

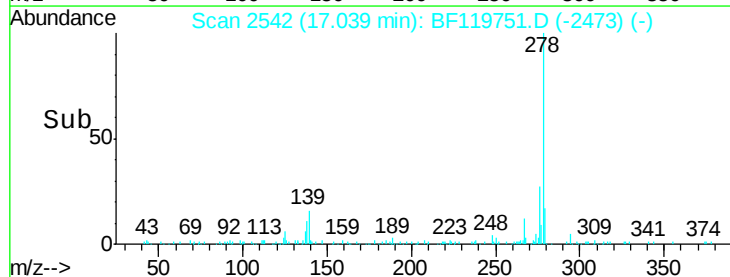
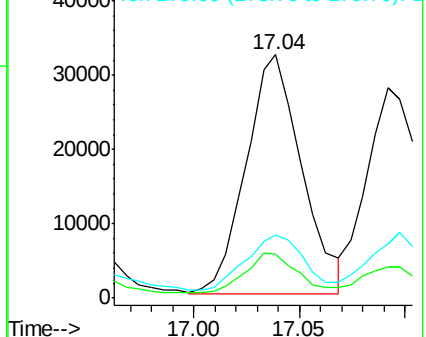
279 25.9 19.0 28.6

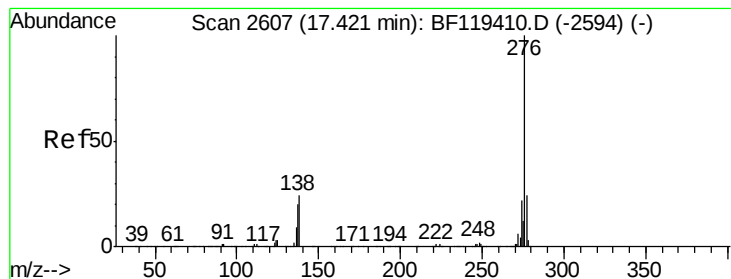


Abundance Ion 278.00 (277.70 to 278.70): E

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: 10.73 ng

RT: 17.30 min Scan# 2586

Delta R.T. -0.06 min

Lab File: BF119751.D

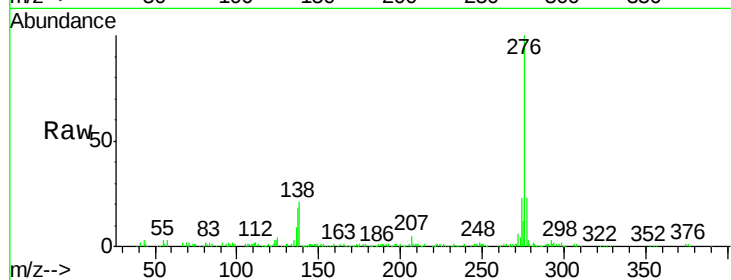
Acq: 4 Apr 2020 8:02

Instrument :

BNA_F

ClientSampleId :

TP-8



Tgt Ion:	276	Resp:	214905
Ion	Ratio	Lower	Upper
276	100		
277	23.4	18.4	27.6
138	20.9	15.4	23.0

