

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040120\
 Data File : BF119695.D
 Acq On : 2 Apr 2020 4:24
 Operator : MA/SJ
 Sample : L2089-03
 Misc :
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3J-(0-2)

Quant Time: Apr 02 05:26:03 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

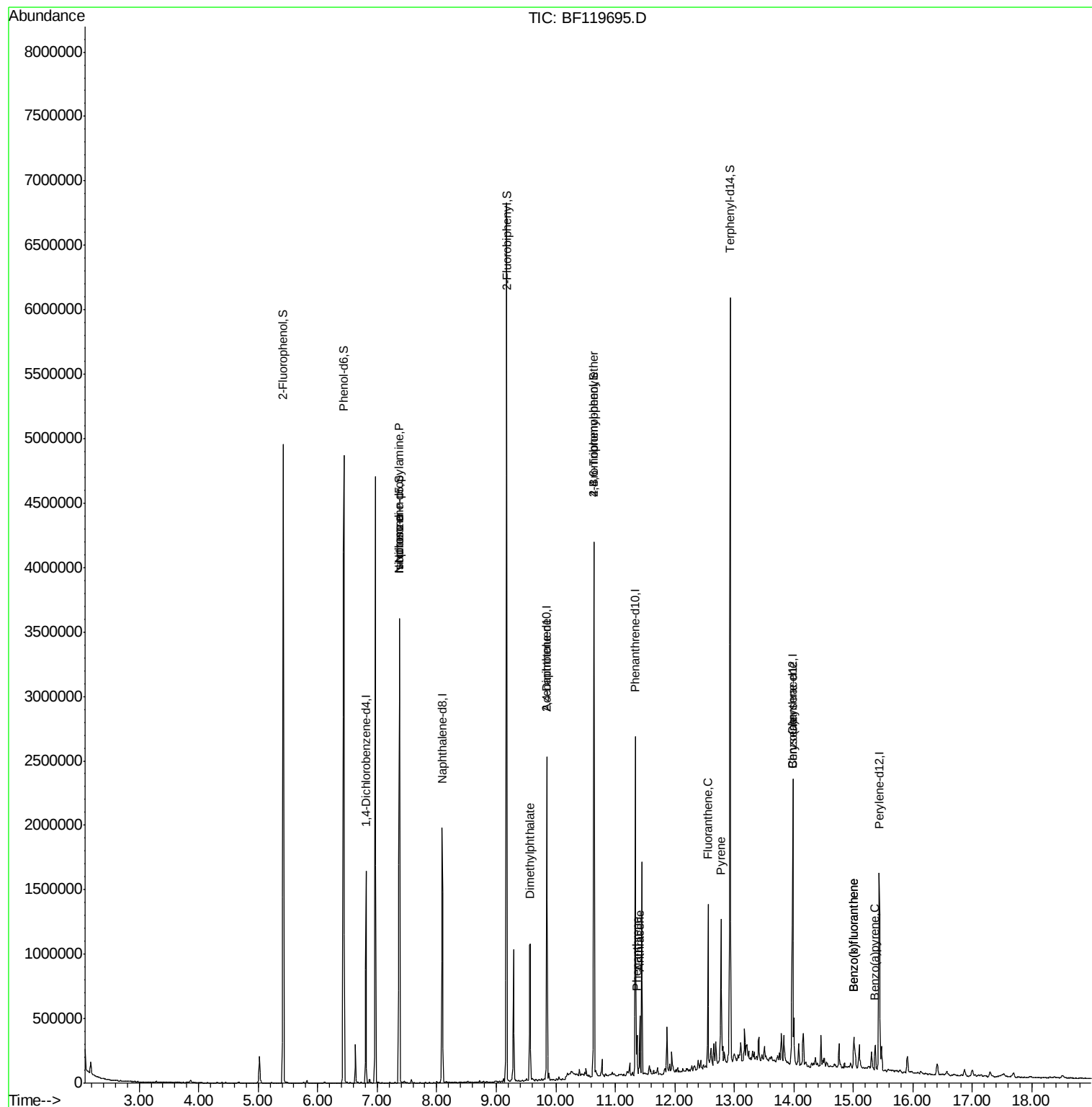
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	224653	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	872750	20.00	ng	-0.01
39) Acenaphthene-d10	9.85	164	470262	20.00	ng	-0.01
64) Phenanthrene-d10	11.34	188	891724	20.00	ng	-0.01
76) Chrysene-d12	13.98	240	696621	20.00	ng	-0.02
87) Perylene-d12	15.43	264	696330	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	1436012	101.76	ng	0.00
7) Phenol-d6	6.44	99	1857448	103.03	ng	0.00
23) Nitrobenzene-d5	7.37	82	1160840	72.29	ng	0.00
42) 2,4,6-Tribromophenol	10.65	330	561501	115.74	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	2178107	68.62	ng	0.00
79) Terphenyl-d14	12.93	244	2342644	65.89	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	151978	13.99	ng	# 73
25) Isophorone	7.37	82	1160828	35.64	ng	# 65
50) Dimethylphthalate	9.57	163	451104	13.50	ng	98
57) 2,4-Dinitrotoluene	9.85	165	62026	6.88	ng	# 20
67) 4-Bromophenyl-phenylether	10.64	248	33447	3.29	ng	# 1
71) Phenanthrene	11.36	178	111680	2.42	ng	97
72) Anthracene	11.41	178	174732	3.72	ng	96
75) Fluoranthene	12.56	202	439637	8.79	ng	96
78) Pyrene	12.78	202	438095	7.66	ng	98
81) Benzo(a)anthracene	13.97	228	210733	4.65	ng	99
83) Chrysene	13.97	228	210733	4.51	ng	96
88) Benzo(b)fluoranthene	15.01	252	191421	4.12	ng	# 95
89) Benzo(k)fluoranthene	15.01	252	191421	4.32	ng	96
90) Benzo(a)pyrene	15.37	252	95553	2.26	ng	97

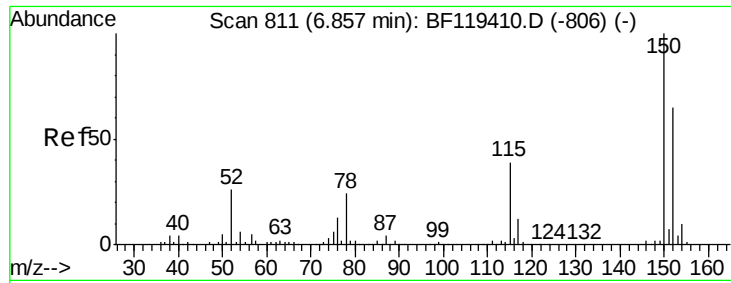
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF040120\
Data File : BF119695.D
Acq On : 2 Apr 2020 4:24
Operator : MA/SJ
Sample : L2089-03
Misc :
ALS Vial : 45 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SB-3J-(0-2)

Quant Time: Apr 02 05:26:03 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.81 min Scan# 803

Delta R.T. -0.01 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Instrument :

BNA_F

ClientSampleId :

SB-3J(0-2)

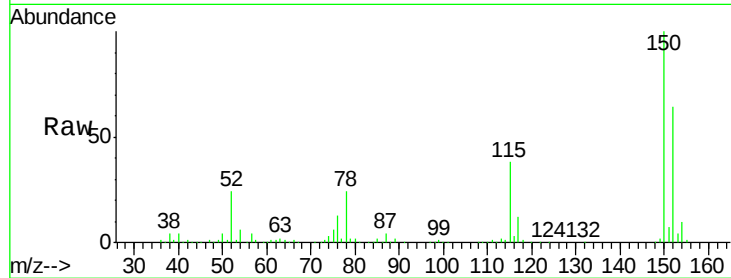
Tgt Ion:152 Resp: 224653

Ion Ratio Lower Upper

152 100

150 156.3 124.5 186.7

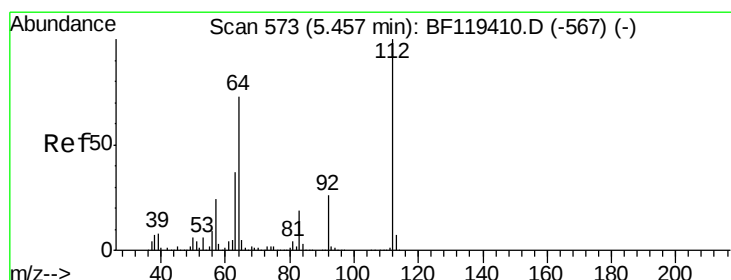
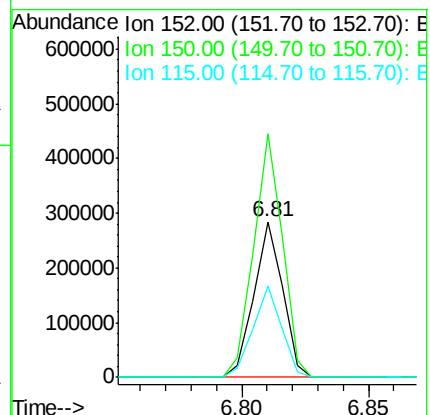
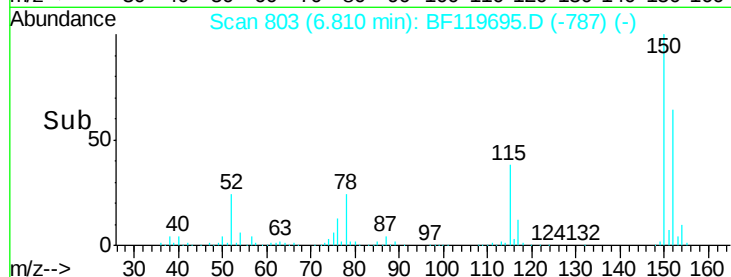
115 58.9 49.6 74.4



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: 101.76 ng

RT: 5.42 min Scan# 567

Delta R.T. 0.01 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

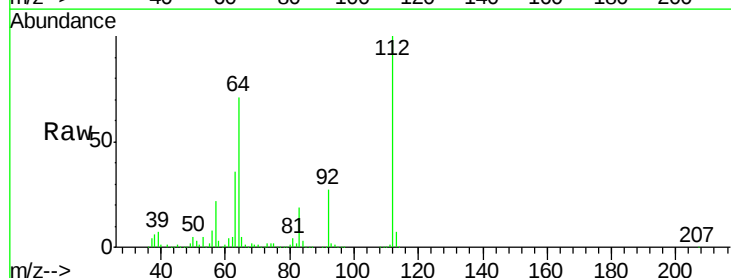
Tgt Ion:112 Resp: 1436012

Ion Ratio Lower Upper

112 100

64 70.8 56.7 85.1

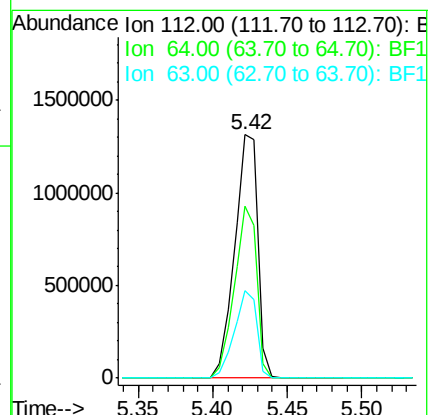
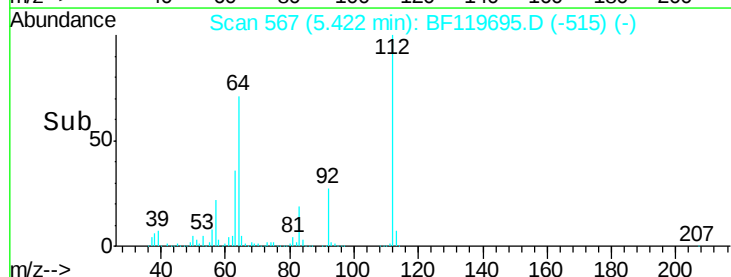
63 35.9 29.5 44.3

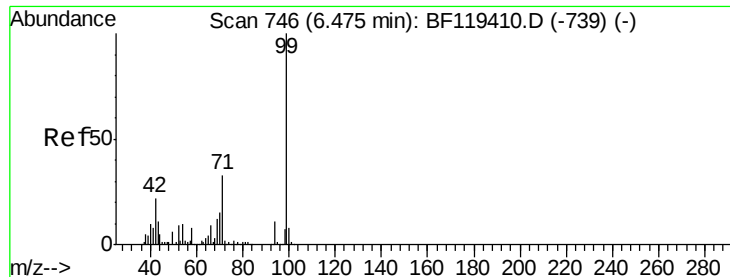


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 103.03 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Instrument :

BNA_F

ClientSampleId :

SB-3J-(0-2)

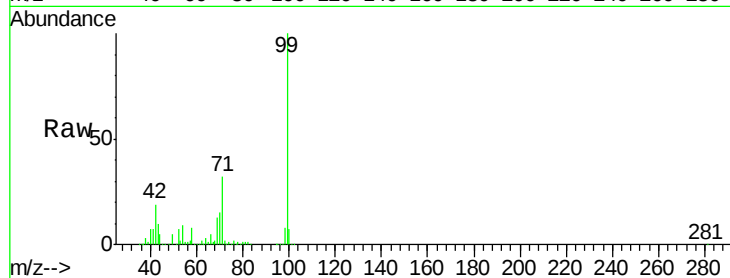
Tgt Ion: 99 Resp: 1857448

Ion Ratio Lower Upper

99 100

42 19.4 16.6 24.8

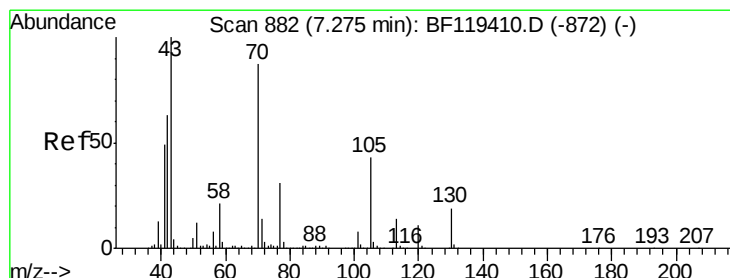
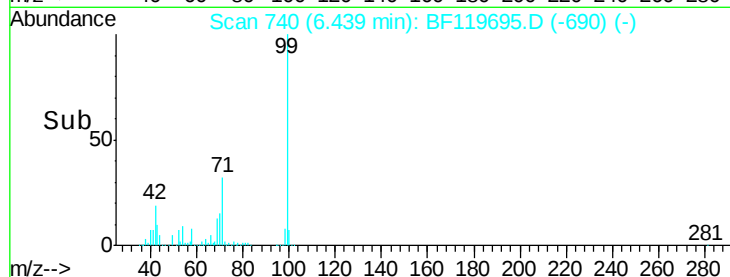
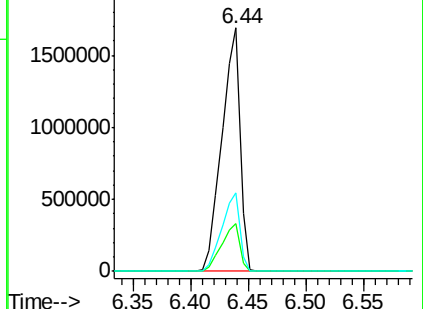
71 32.4 26.4 39.6



Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#19

n-Nitroso-di-n-propylamine

Concen: 13.99 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.14 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Tgt Ion: 70 Resp: 151978

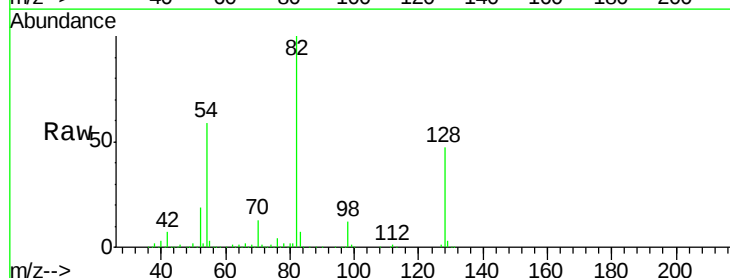
Ion Ratio Lower Upper

70 100

42 50.4 54.5 81.7#

101 0.0 7.6 11.4#

130 2.4 17.6 26.4#

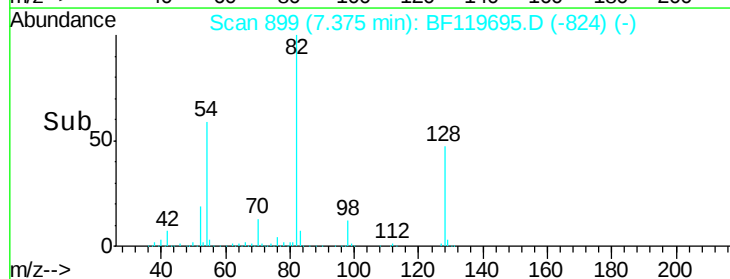
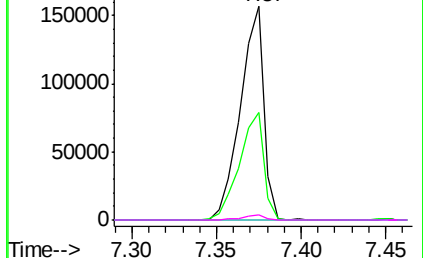


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.09 min Scan# 1021

Delta R.T. -0.01 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Instrument :

BNA_F

ClientSampled :

SB-3J-(0-2)

Tgt Ion:136 Resp: 872750

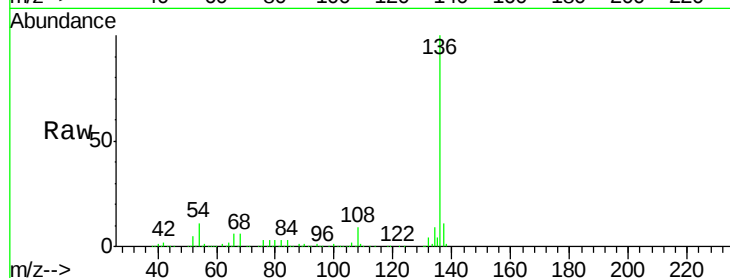
Ion Ratio Lower Upper

136 100

137 11.4 8.7 13.1

54 11.2 9.1 13.7

68 6.4 4.6 6.8

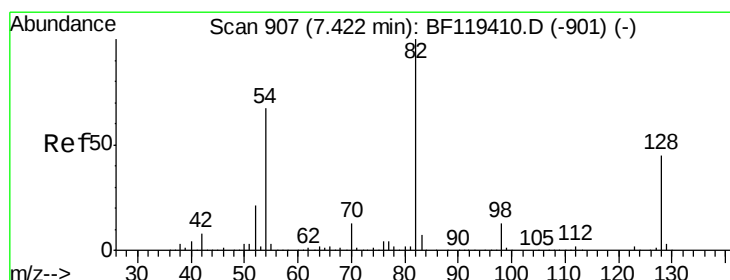
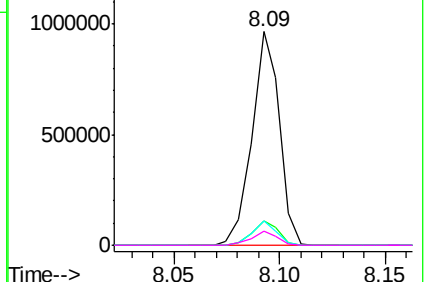
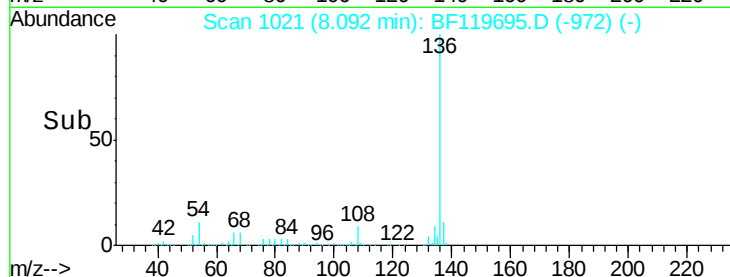


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.29 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.01 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

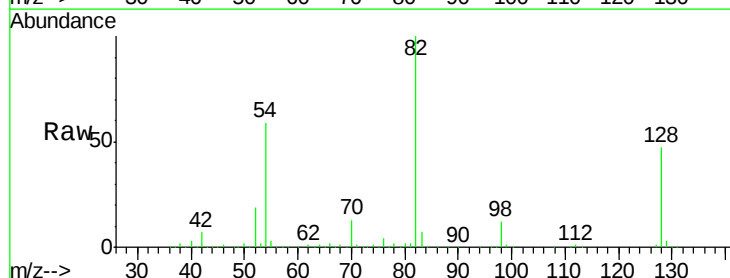
Tgt Ion: 82 Resp: 1160840

Ion Ratio Lower Upper

82 100

128 47.2 36.3 54.5

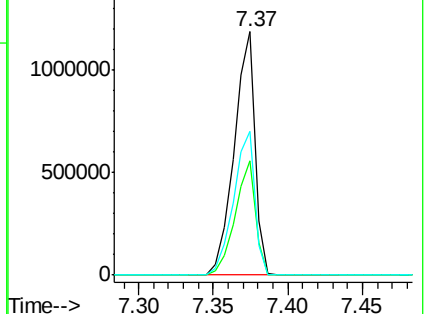
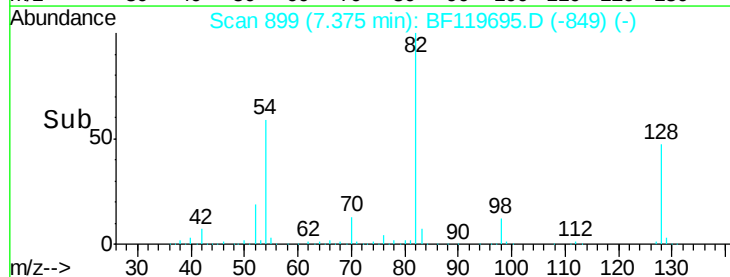
54 59.2 50.6 75.8

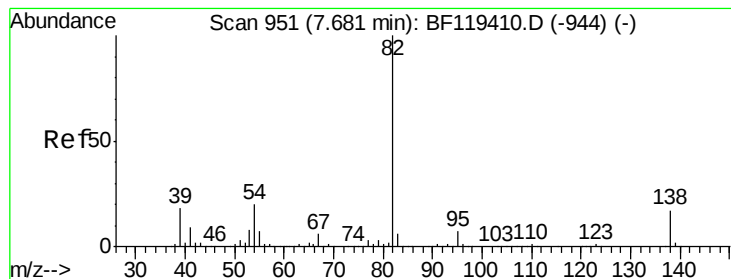


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 35.64 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.26 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Instrument :

BNA_F

ClientSampleId :

SB-3J-(0-2)

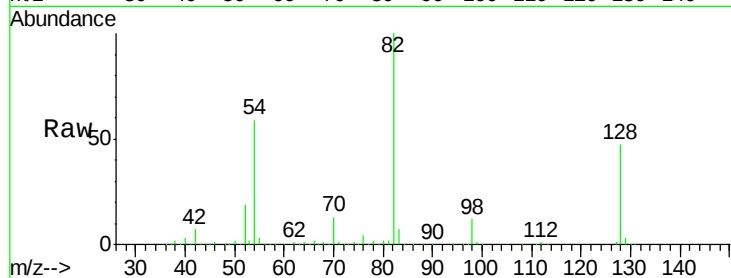
Tgt Ion: 82 Resp: 1160828

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

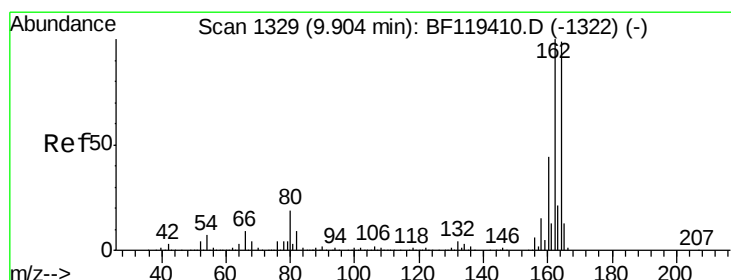
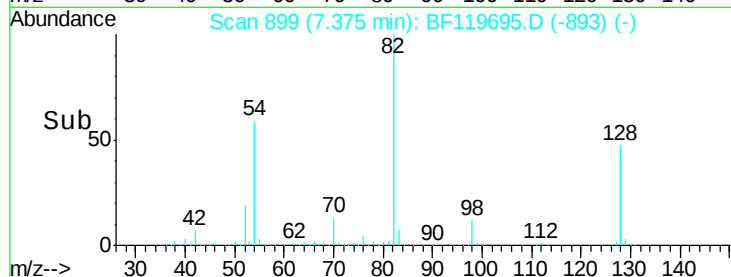
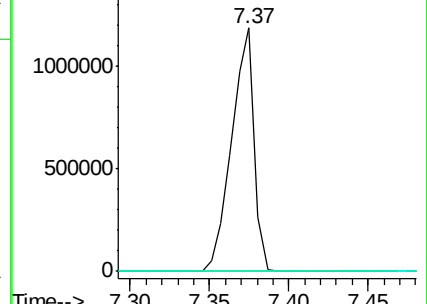
138 0.0 14.6 21.8#



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# 1320

Delta R.T. -0.01 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

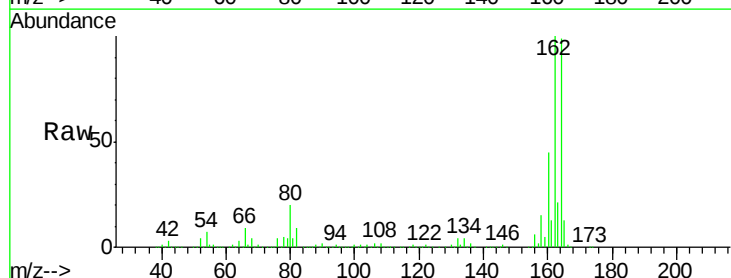
Tgt Ion: 164 Resp: 470262

Ion Ratio Lower Upper

164 100

162 101.0 80.6 121.0

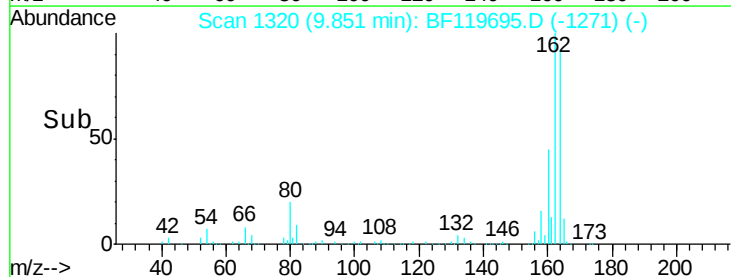
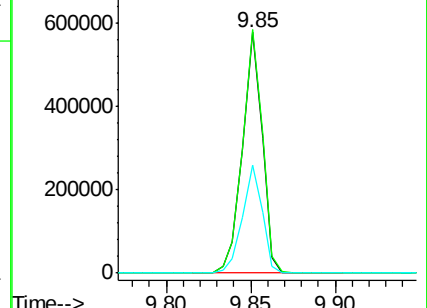
160 45.0 35.7 53.5

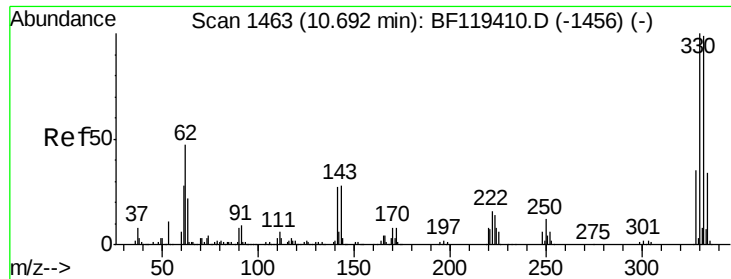


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E





#42

2,4,6-Tribromophenol

Concen: 115.74 ng

RT: 10.65 min Scan# 1455

Delta R.T. -0.01 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Instrument :

BNA_F

ClientSampleId :

SB-3J-(0-2)

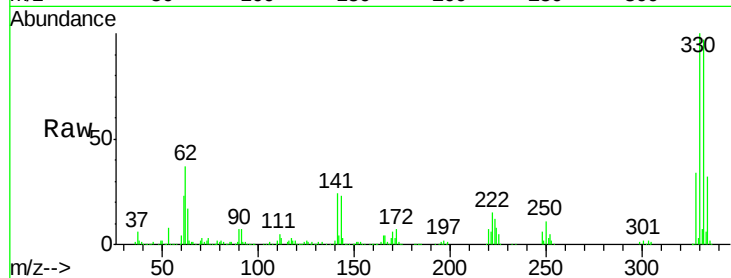
Tgt Ion:330 Resp: 561501

Ion Ratio Lower Upper

330 100

332 95.3 75.7 113.5

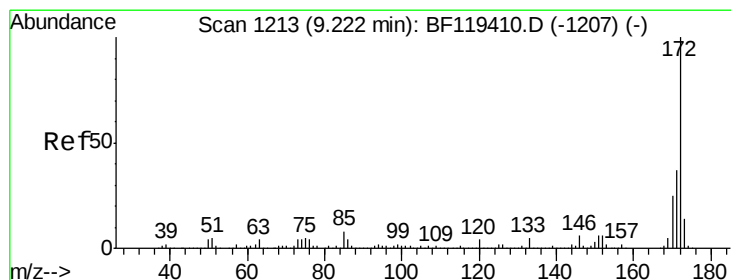
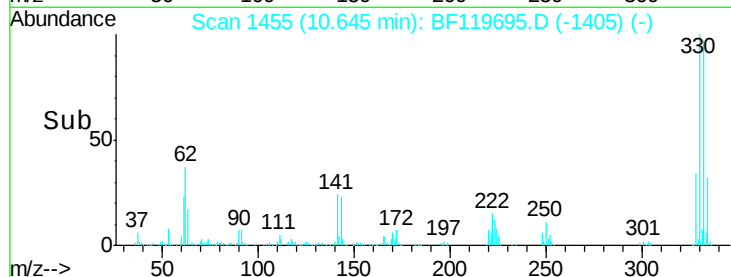
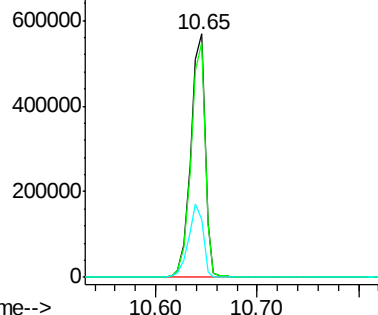
141 30.3 25.4 38.0



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: 68.62 ng

RT: 9.17 min Scan# 1205

Delta R.T. -0.01 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

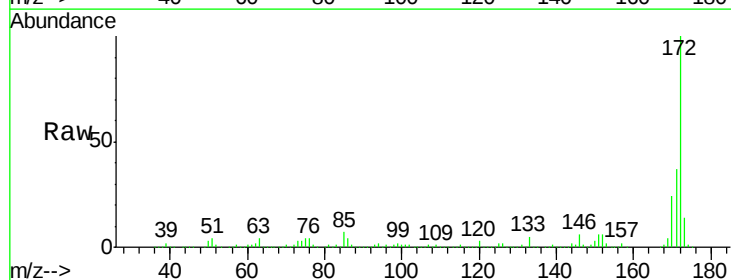
Tgt Ion:172 Resp: 2178107

Ion Ratio Lower Upper

172 100

171 36.7 29.6 44.4

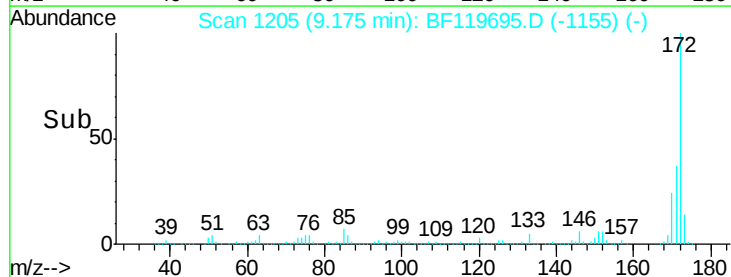
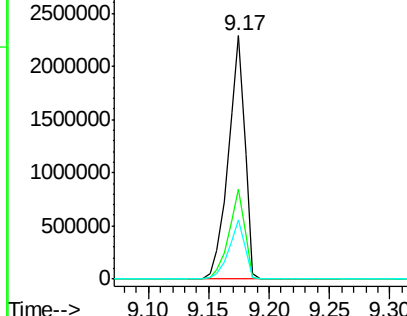
170 24.4 20.2 30.2

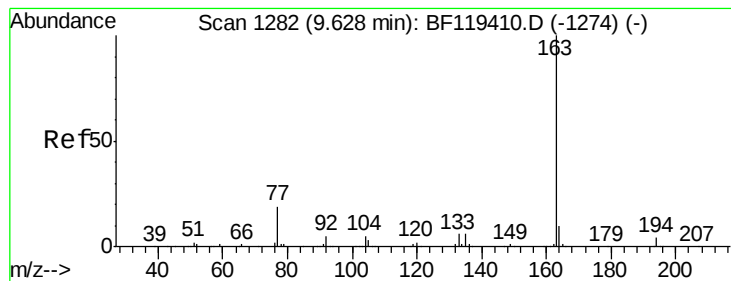


Abundance Ion 172.00 (171.70 to 172.70): E

Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E





#50

Dimethylphthalate

Concen: 13.50 ng

RT: 9.57 min Scan# 1272

Delta R.T. -0.02 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Instrument :

BNA_F

ClientSampleId :

SB-3J-(0-2)

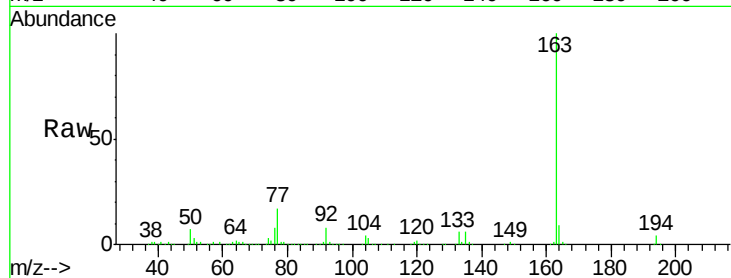
Tgt Ion:163 Resp: 451104

Ion Ratio Lower Upper

163 100

194 4.2 3.1 4.7

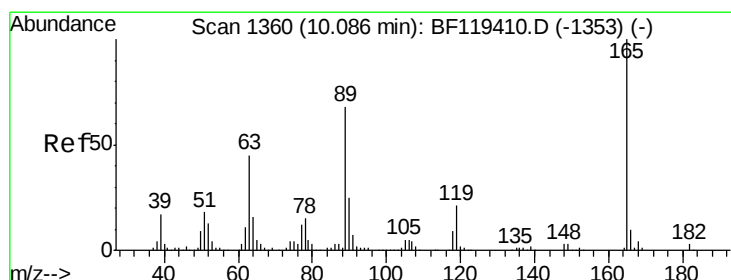
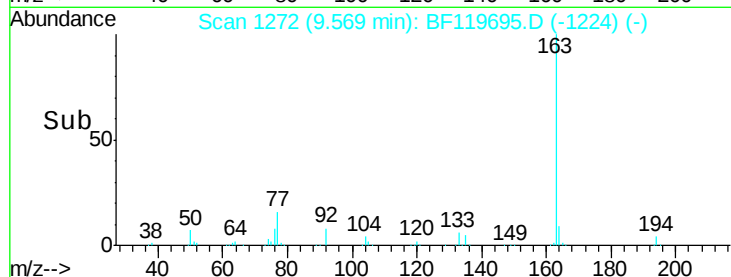
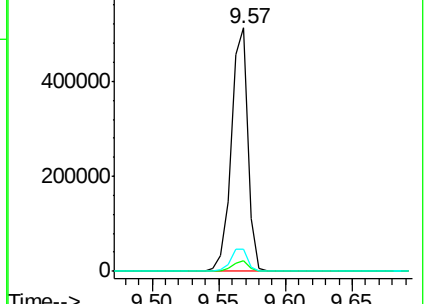
164 9.3 8.2 12.2



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



#57

2,4-Dinitrotoluene

Concen: 6.88 ng

RT: 9.85 min Scan# 1320

Delta R.T. -0.20 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Tgt Ion:165 Resp: 62026

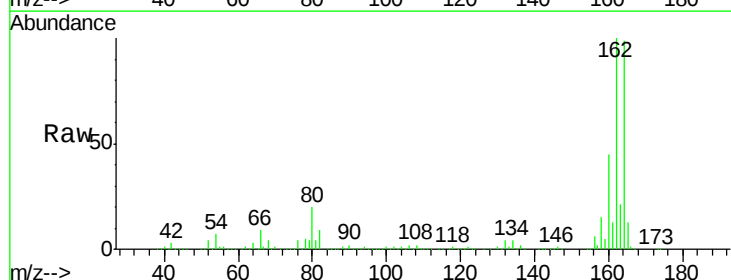
Ion Ratio Lower Upper

165 100

63 1.2 42.6 64.0#

89 1.1 61.0 91.4#

182 0.0 2.2 3.2#

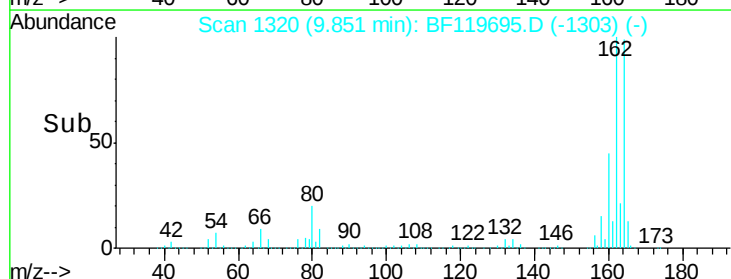
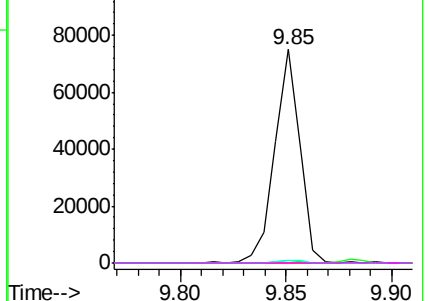


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 1573

Delta R.T. -0.01 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Instrument :

BNA_F

ClientSampled :

SB-3J(0-2)

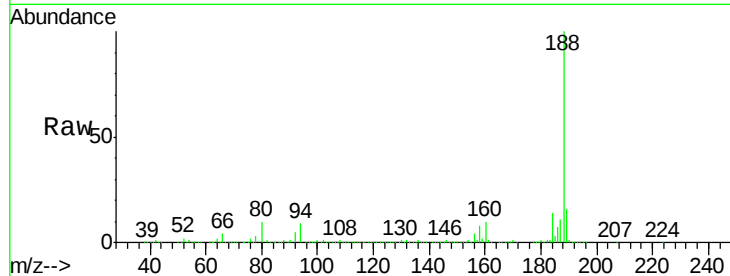
Tgt Ion:188 Resp: 891724

Ion Ratio Lower Upper

188 100

94 9.1 7.5 11.3

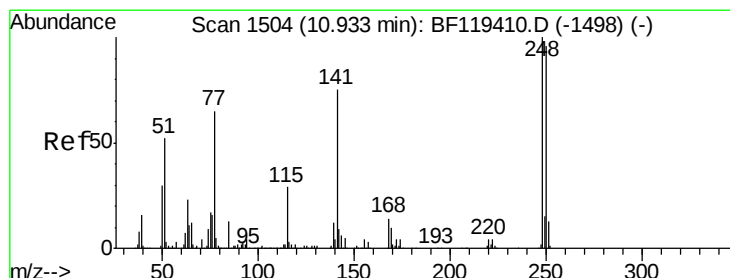
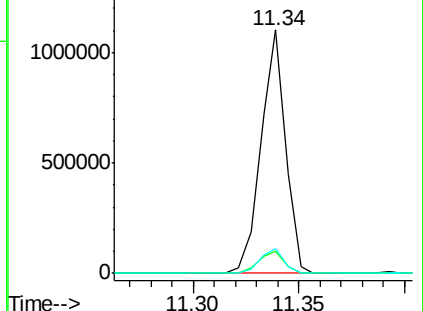
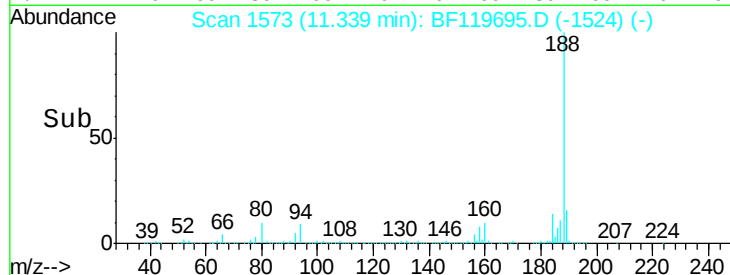
80 10.3 9.0 13.4



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1



#67

4-Bromophenyl-phenylether

Concen: 3.29 ng

RT: 10.64 min Scan# 1454

Delta R.T. -0.25 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

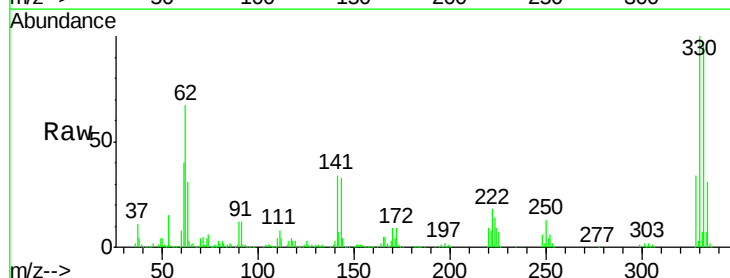
Tgt Ion:248 Resp: 33447

Ion Ratio Lower Upper

248 100

250 205.8 77.3 115.9#

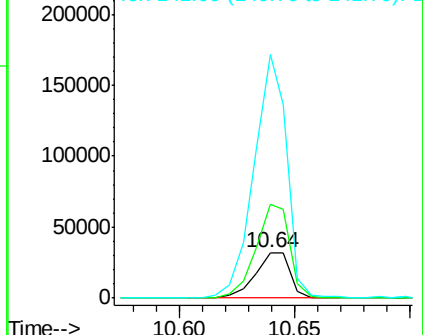
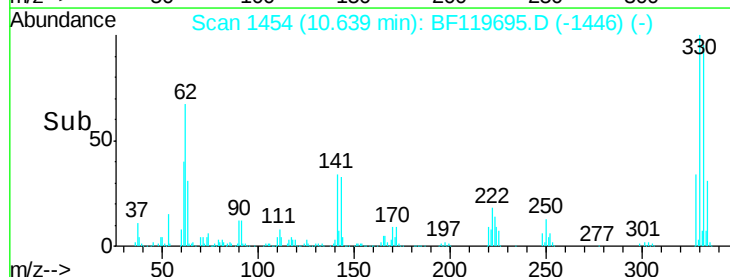
141 535.4 58.6 87.8#

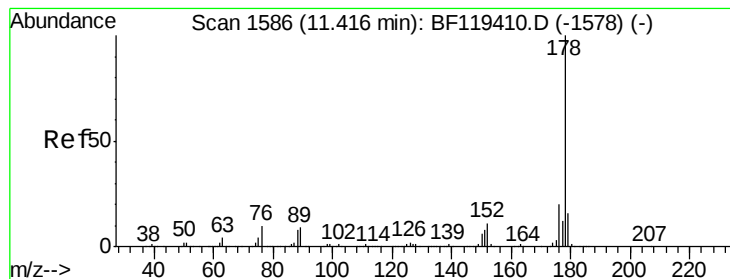


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#71

Phenanthrene

Concen: 2.42 ng

RT: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Instrument :

BNA_F

ClientSampleId :

SB-3J-(0-2)

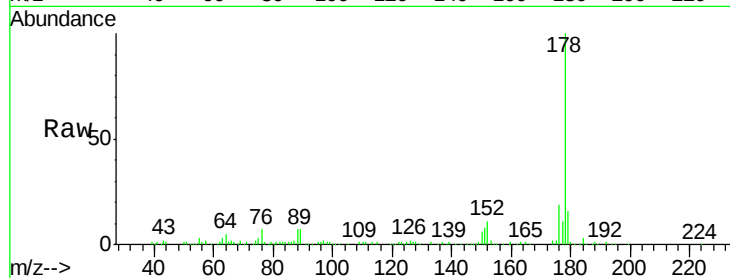
Tgt Ion:178 Resp: 111680

Ion Ratio Lower Upper

178 100

176 18.6 16.2 24.4

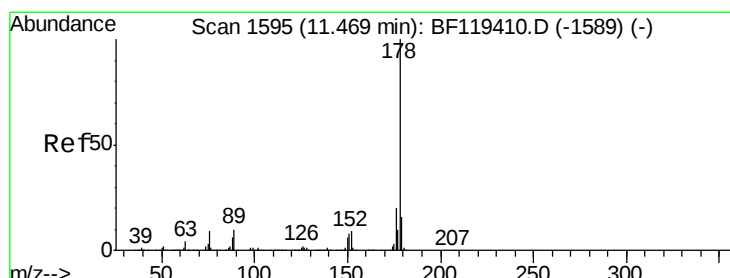
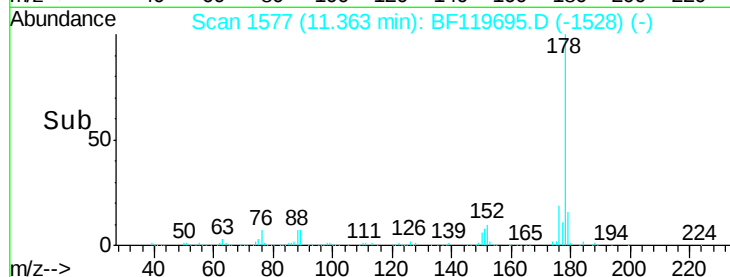
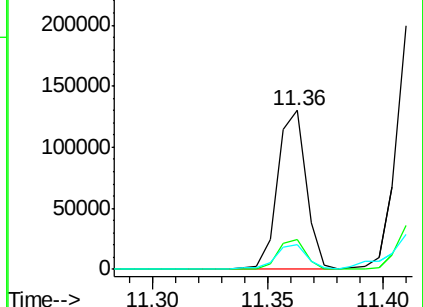
179 15.6 13.2 19.8



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: 3.72 ng

RT: 11.41 min Scan# 1585

Delta R.T. -0.02 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

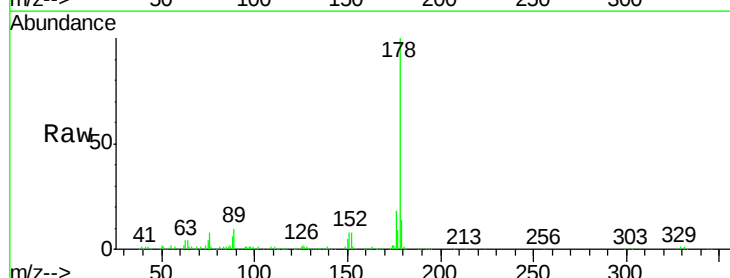
Tgt Ion:178 Resp: 174732

Ion Ratio Lower Upper

178 100

176 18.1 16.1 24.1

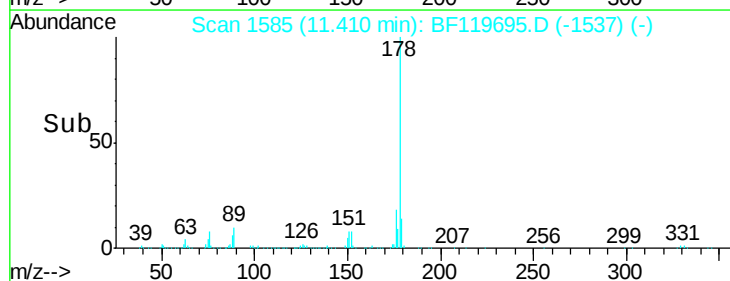
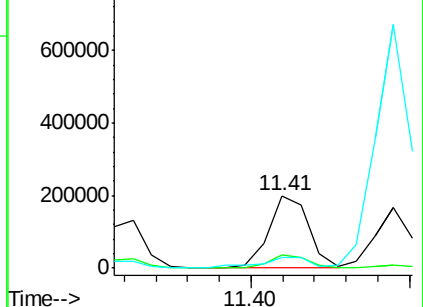
179 14.4 13.0 19.4

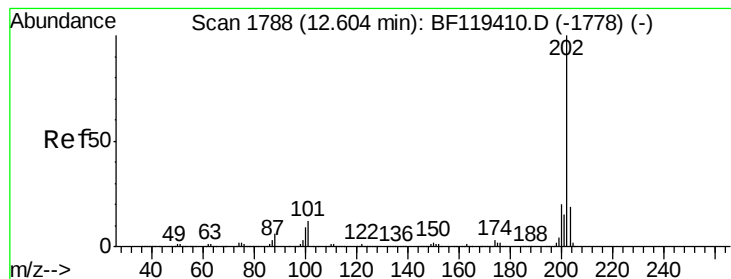


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 8.79 ng

RT: 12.56 min Scan# 1780

Delta R.T. -0.01 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Instrument :

BNA_F

ClientSampleId :

SB-3J-(0-2)

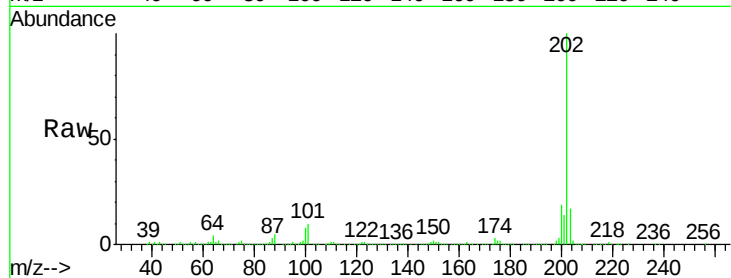
Tgt Ion: 202 Resp: 439637

Ion Ratio Lower Upper

202 100

101 10.1 0.0 32.2

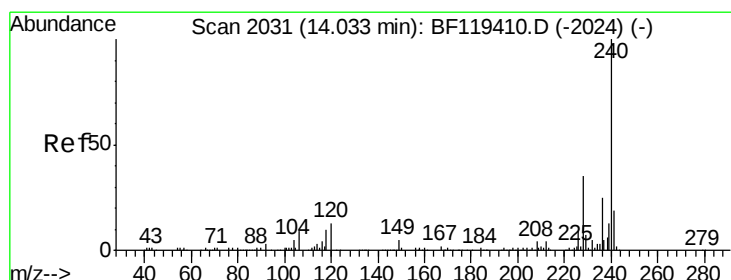
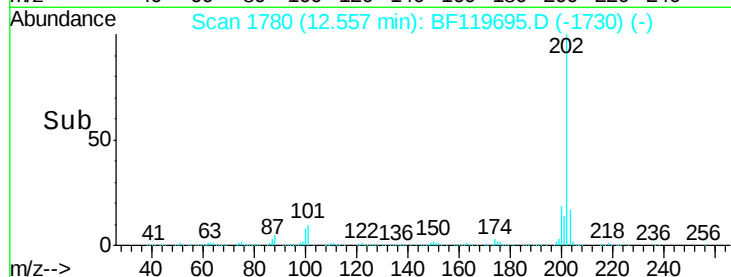
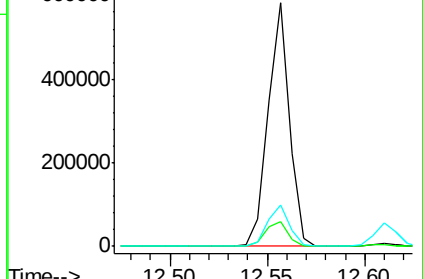
203 17.2 0.0 38.8



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: 13.98 min Scan# 2022

Delta R.T. -0.02 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

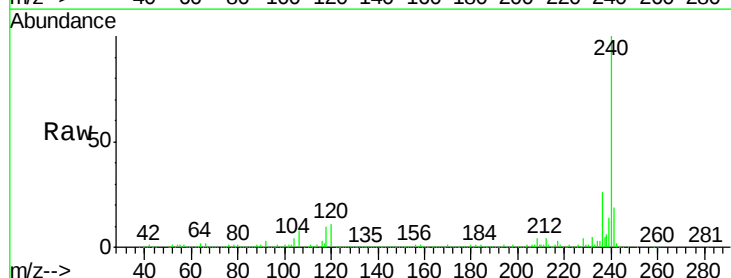
Tgt Ion: 240 Resp: 696621

Ion Ratio Lower Upper

240 100

120 11.4 10.6 15.8

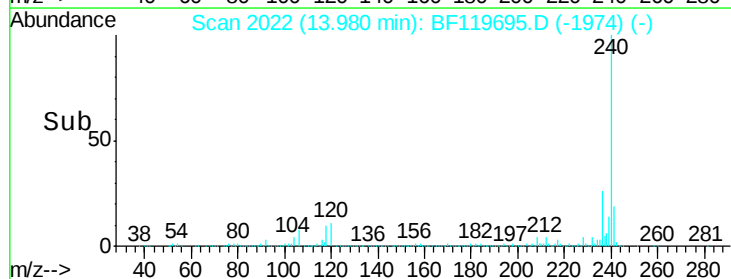
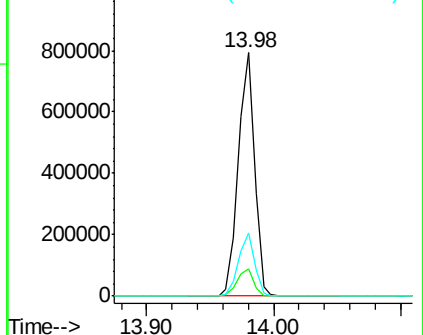
236 25.7 20.2 30.2

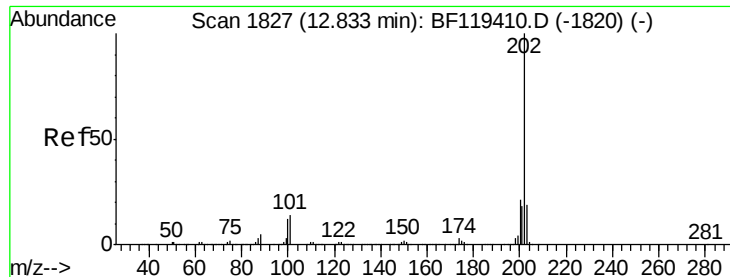


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

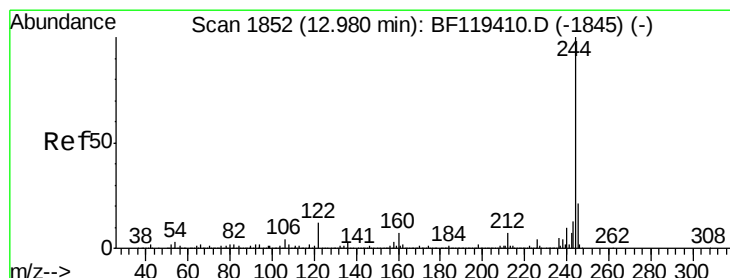
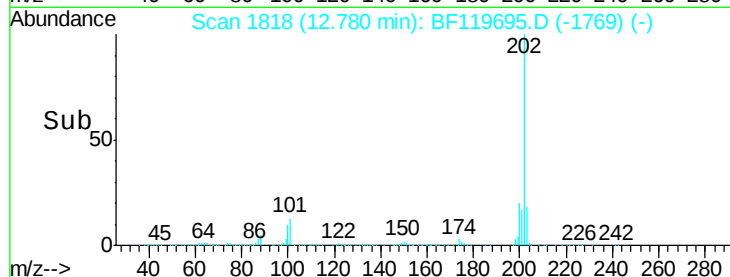
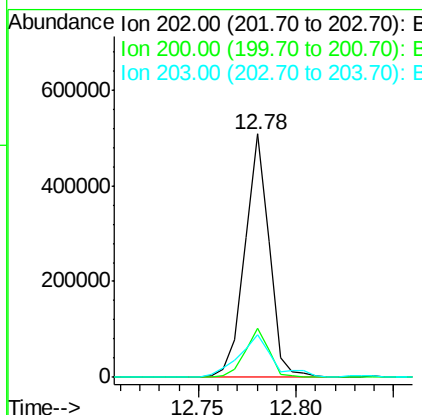
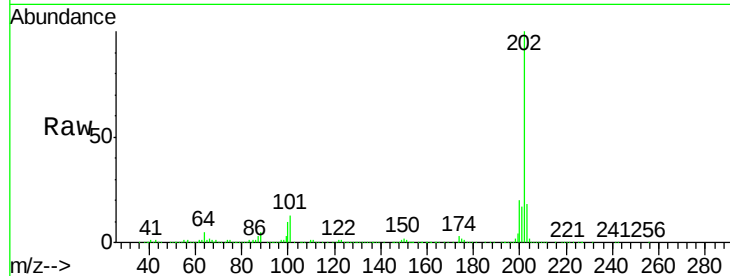




#78
 Pyrene
 Concen: 7.66 ng
 RT: 12.78 min Scan# 1818
 Delta R.T. -0.01 min
 Lab File: BF119695.D
 Acq: 2 Apr 2020 4:24

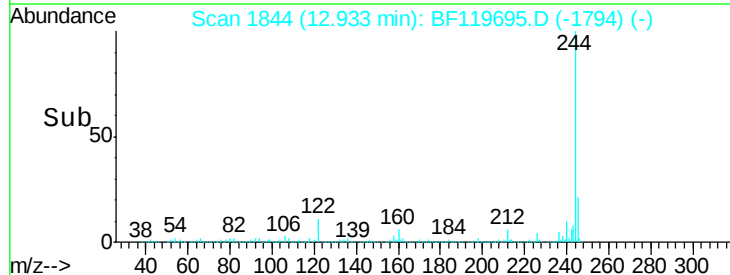
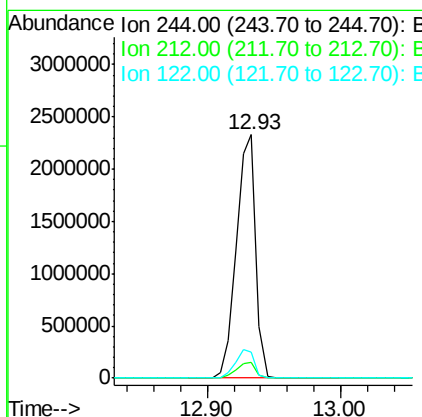
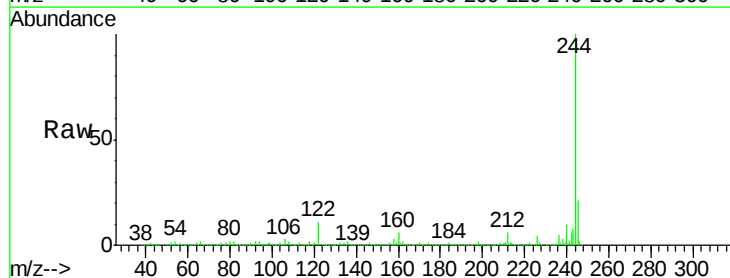
Instrument :
 BNA_F
 ClientSampleId :
 SB-3J-(0-2)

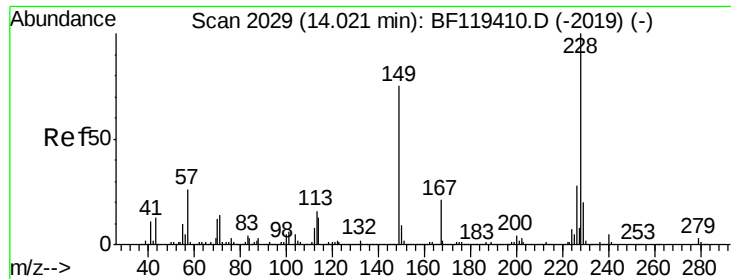
Tgt Ion: 202 Resp: 438095
 Ion Ratio Lower Upper
 202 100
 200 20.1 16.8 25.2
 203 17.8 15.1 22.7



#79
 Terphenyl-d14
 Concen: 65.89 ng
 RT: 12.93 min Scan# 1844
 Delta R.T. -0.01 min
 Lab File: BF119695.D
 Acq: 2 Apr 2020 4:24

Tgt Ion: 244 Resp: 2342644
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.8
 122 10.8 10.3 15.5





#81

Benzo(a)anthracene

Concen: 4.65 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.02 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Instrument :

BNA_F

ClientSampleId :

SB-3J-(0-2)

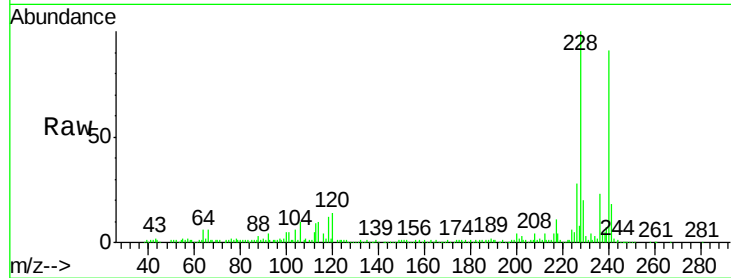
Tgt Ion:228 Resp: 210733

Ion Ratio Lower Upper

228 100

226 28.1 21.8 32.8

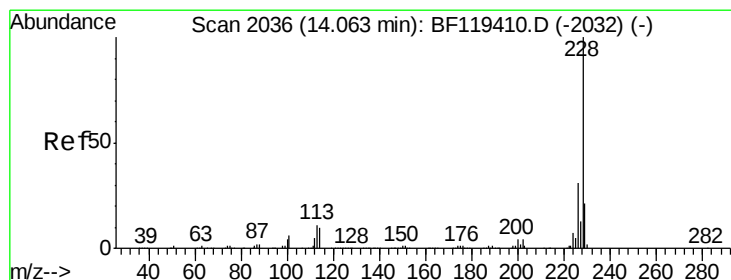
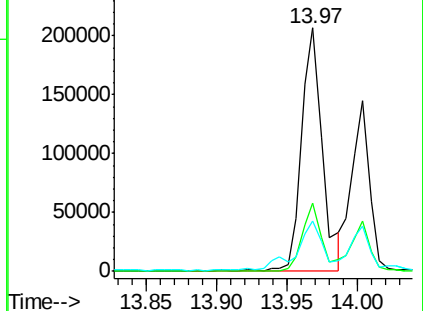
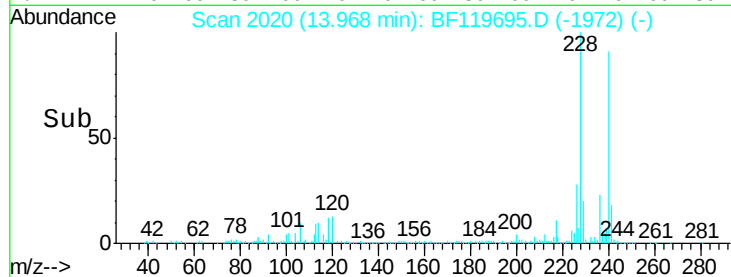
229 20.5 16.2 24.4



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: 4.51 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.05 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

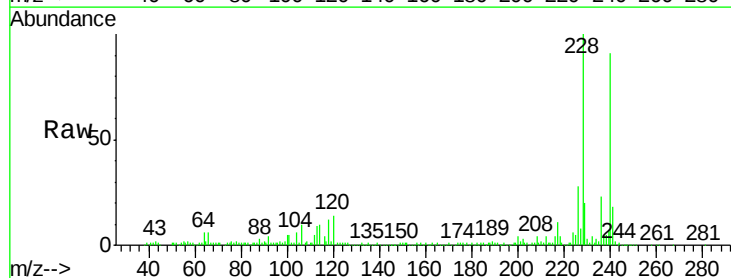
Tgt Ion:228 Resp: 210733

Ion Ratio Lower Upper

228 100

226 28.1 25.4 38.0

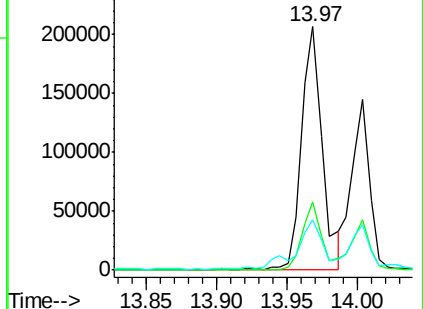
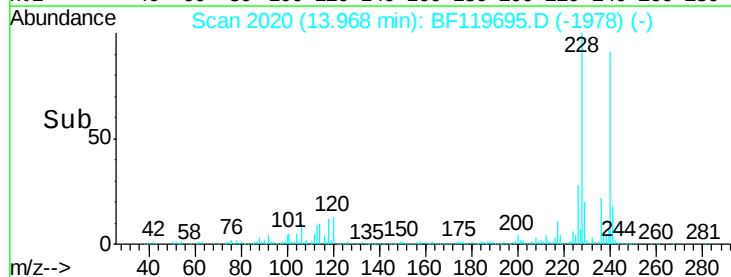
229 20.5 16.6 24.8

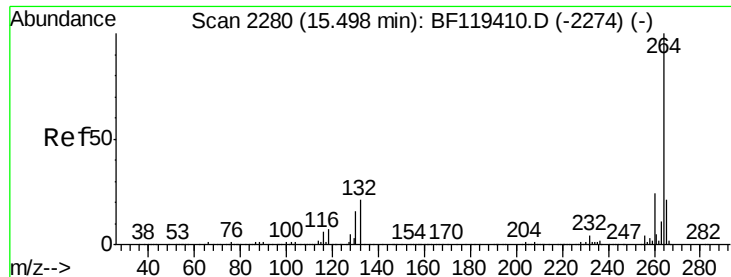


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

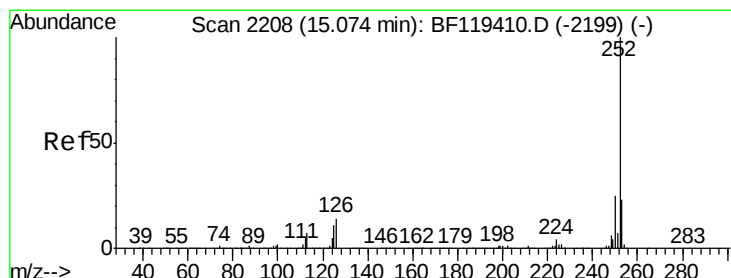
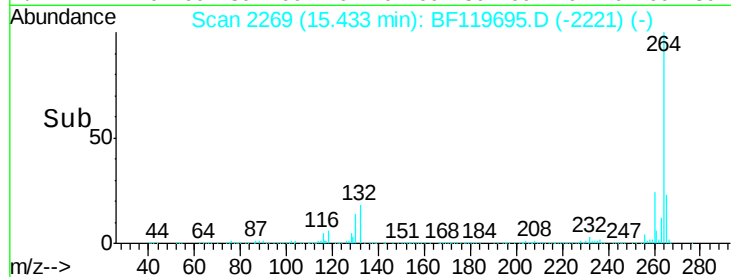
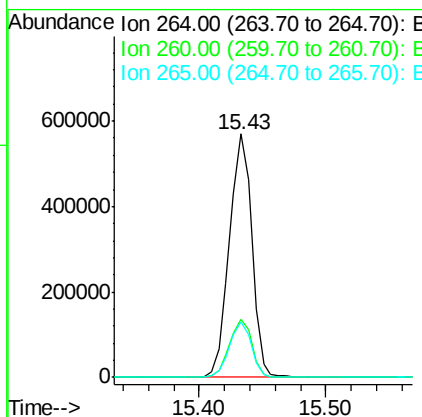
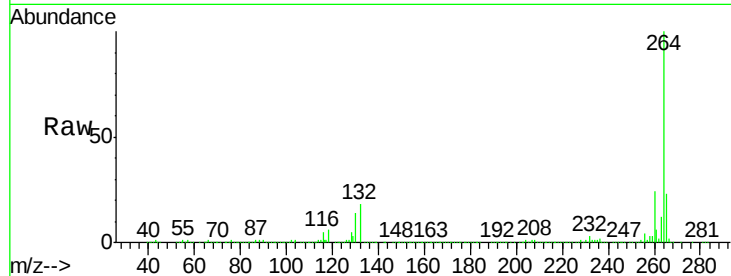




#87
Perylene-d12
Concen: 20.00 ng
RT: 15.43 min Scan# 2269
Delta R.T. -0.02 min
Lab File: BF119695.D
Acq: 2 Apr 2020 4:24

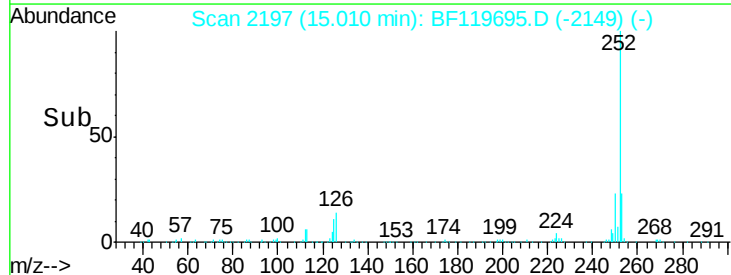
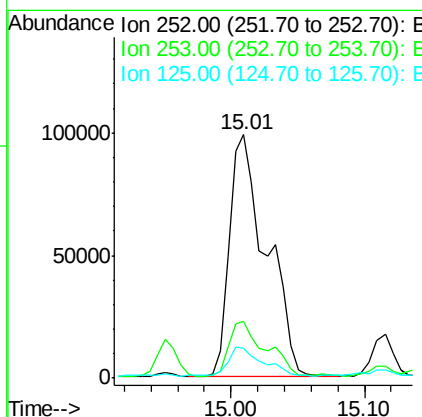
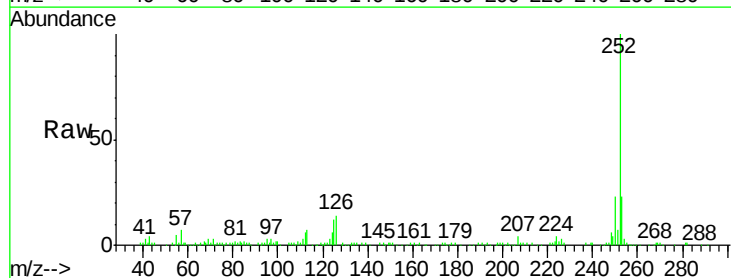
Instrument :
BNA_F
ClientSampleId :
SB-3J-(0-2)

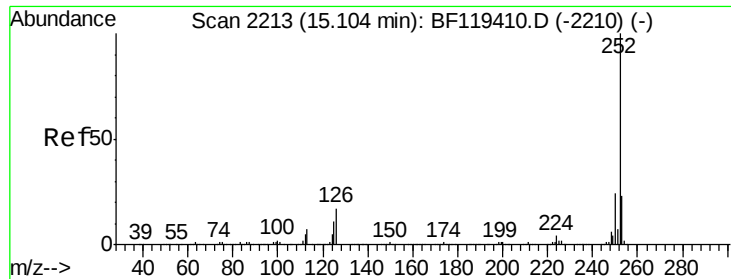
Tgt Ion: 264 Resp: 696330
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 22.7 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 4.12 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.02 min
Lab File: BF119695.D
Acq: 2 Apr 2020 4:24

Tgt Ion: 252 Resp: 191421
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 12.4 7.9 11.9#





#89

Benzo(k)fluoranthene

Concen: 4.32 ng

RT: 15.01 min Scan# 2197

Delta R.T. -0.05 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

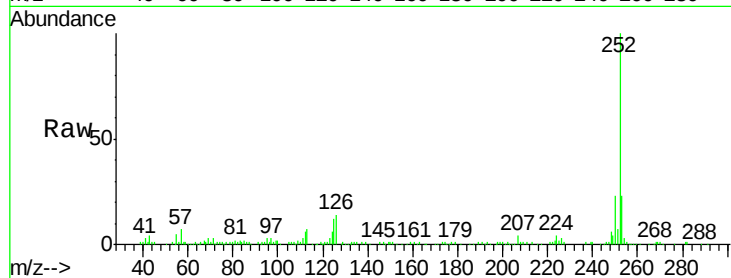
Instrument :

BNA_F

ClientSampleId :

SB-3J-(0-2)

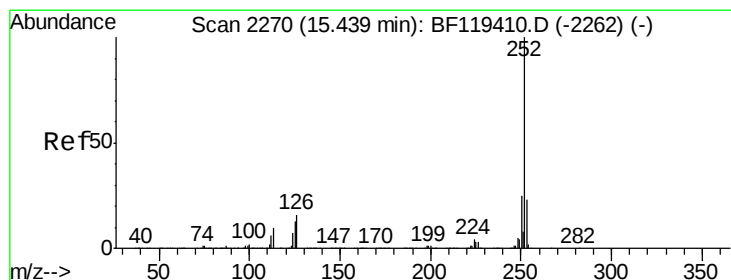
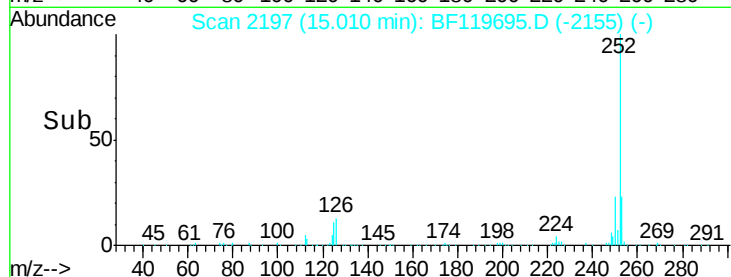
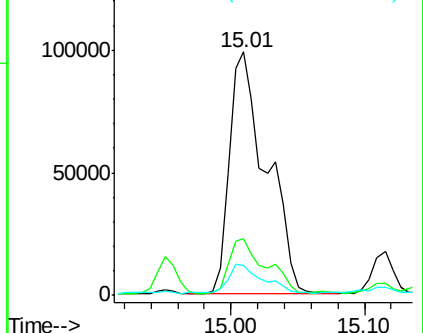
Tgt Ion:	252	Resp:	191421
Ion Ratio	Lower	Upper	
252	100		
253	23.5	17.8	26.6
125	12.4	8.4	12.6



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 2.26 ng

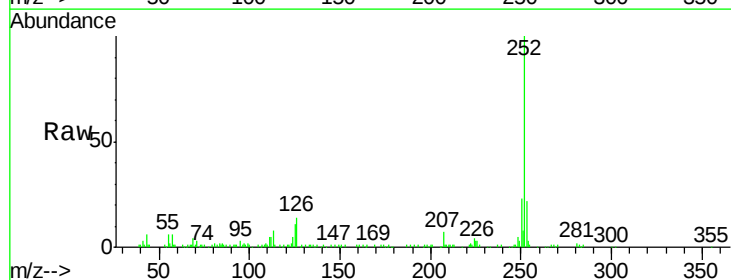
RT: 15.37 min Scan# 2258

Delta R.T. -0.03 min

Lab File: BF119695.D

Acq: 2 Apr 2020 4:24

Tgt Ion:	252	Resp:	95553
Ion Ratio	Lower	Upper	
252	100		
253	21.7	18.2	27.2
125	10.5	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

