

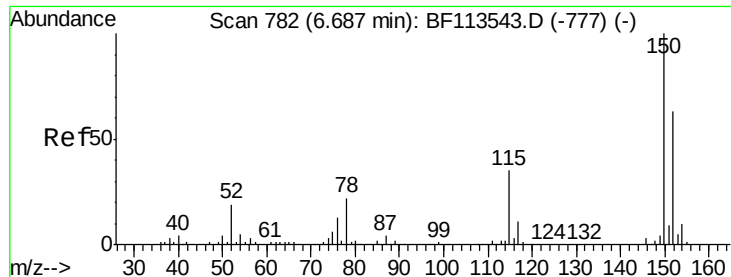
Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF041019\
 Data File : BF113698.D
 Acq On : 10 Apr 2019 16:00
 Operator : JU/SJ
 Sample : K2316-06RE
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 11 00:59:35 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF040319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 04 04:05:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.67	152	117899	20.00	ng	-0.01
21) Naphthalene-d8	7.96	136	435066	20.00	ng	-0.01
39) Acenaphthene-d10	9.71	164	204138	20.00	ng	-0.01
64) Phenanthrene-d10	11.19	188	373033	20.00	ng	-0.01
76) Chrysene-d12	13.83	240	286175	20.00	ng	-0.02
87) Perylene-d12	15.23	264	304469	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	226222	32.72	ng	0.00
7) Phenol-d6	6.33	99	843364	98.97	ng	0.00
23) Nitrobenzene-d5	7.25	82	586798	79.00	ng	-0.01
42) 2,4,6-Tribromophenol	10.50	330	47109	19.21	ng	-0.02
45) 2-Fluorobiphenyl	9.03	172	826595	65.19	ng	-0.02
79) Terphenyl-d14	12.77	244	773767	55.05	ng	-0.02
Target Compounds						
10) Phenol	6.35	94	22967	2.360	ng	90
19) n-Nitroso-di-n-propylamine	7.25	70	75610	14.389	ng	# 75
50) Dimethylphthalate	9.43	163	158921	10.561	ng	100
71) Phenanthrene	11.22	178	69468	3.748	ng	98
72) Anthracene	11.22	178	69468	3.684	ng	99
75) Fluoranthene	12.40	202	98476	4.958	ng	98
78) Pyrene	12.63	202	83340	3.827	ng	97
81) Benzo(a)anthracene	13.82	228	36930	2.237	ng	97
83) Chrysene	13.85	228	37798	2.259	ng	97
84) Bis(2-ethylhexyl)phthalate	13.80	149	89453	8.347	ng	97
88) Benzo(b)fluoranthene	14.84	252	64505	3.461	ng	# 94
89) Benzo(k)fluoranthene	14.84	252	64505	3.856	ng	# 93
90) Benzo(a)pyrene	15.18	252	33954	2.050	ng	# 93

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

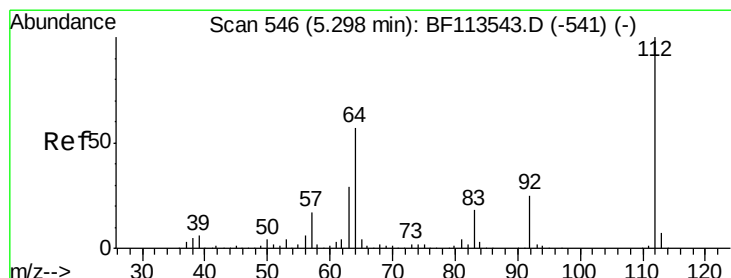
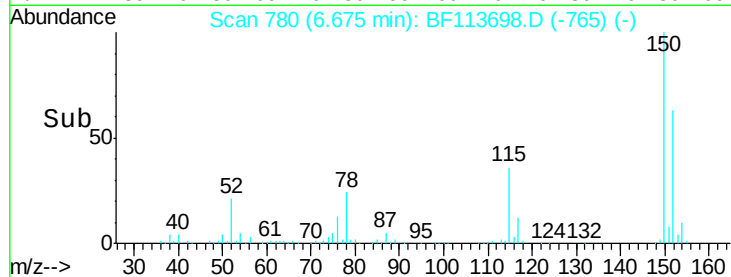
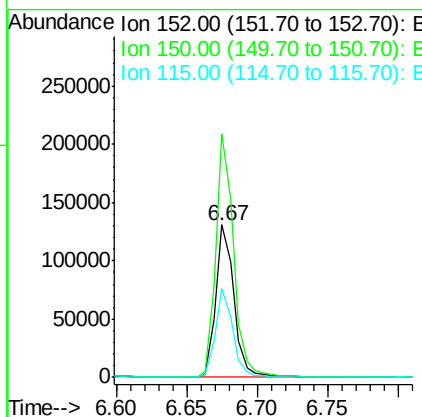
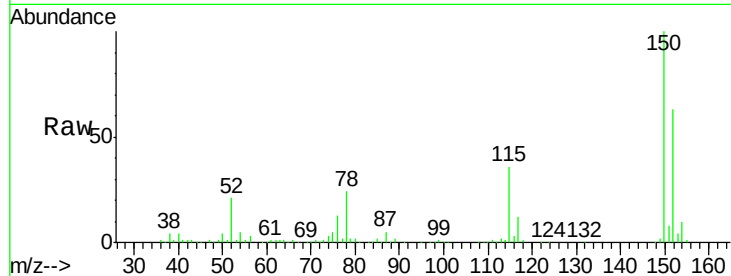


#1

1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.67 min Scan# 780
 Delta R.T. -0.01 min
 Lab File: BF113698.D
 Acq: 10 Apr 2019 16:00

Instrument :
 BNA_F
 ClientSampleId :

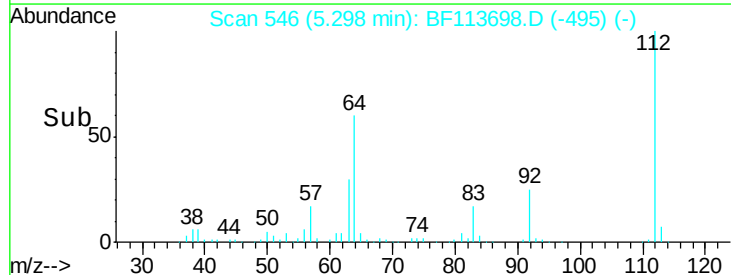
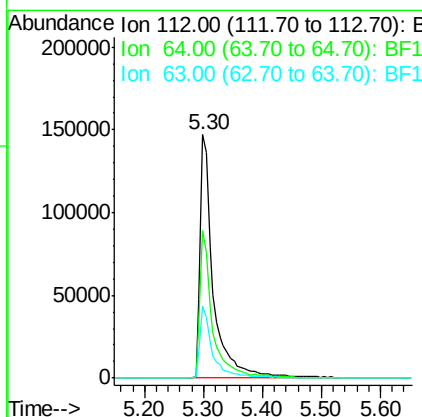
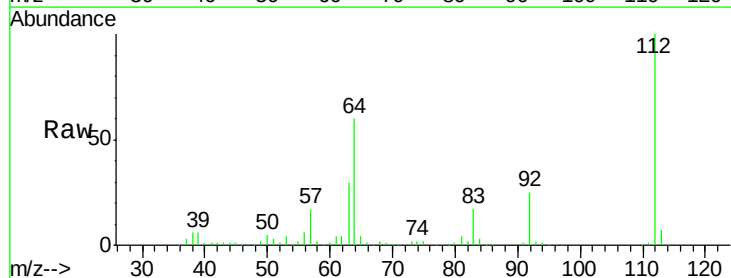
Tot Ion:152 Resp: 117899
 Ion Ratio Lower Upper
 152 100
 150 159.6 124.7 187.1
 115 58.0 46.0 69.0

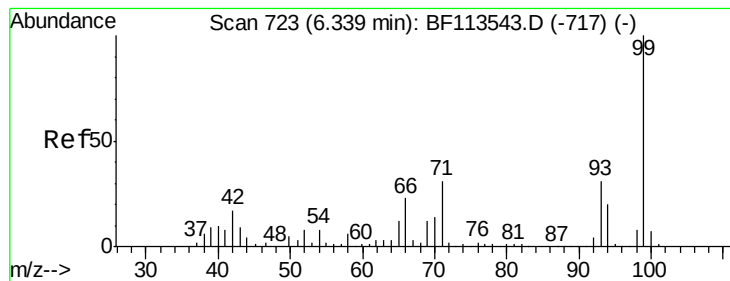


#5

2-Fluorophenol
 Concen: 32.720 ng
 RT: 5.30 min Scan# 546
 Delta R.T. 0.00 min
 Lab File: BF113698.D
 Acq: 10 Apr 2019 16:00

Tgt Ion:112 Resp: 226222
 Ion Ratio Lower Upper
 112 100
 64 60.4 49.2 73.8
 63 29.9 24.9 37.3





#7

Phenol-d6

Concen: 98.969 ng

RT: 6.33 min Scan# 722

Delta R.T. -0.01 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Instrument :

BNA_F

ClientSampled :

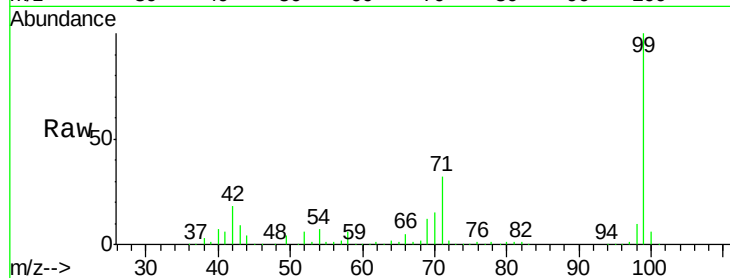
Tot Ion: 99 Resp: 843364

Ion Ratio Lower Upper

99 100

42 18.0 14.8 22.2

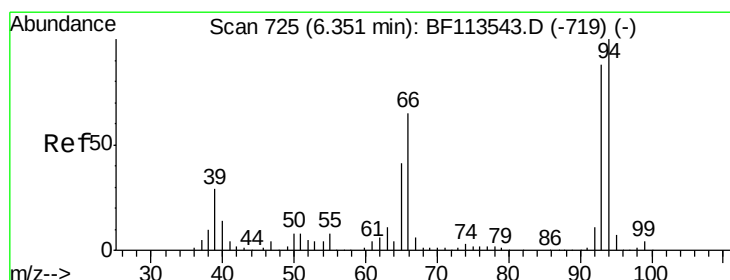
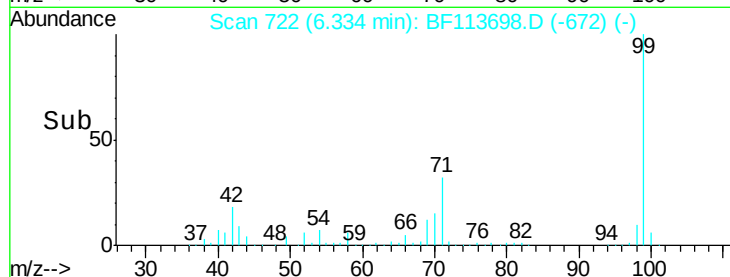
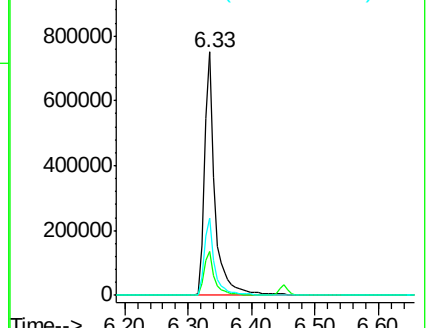
71 31.7 24.9 37.3



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



#10

Phenol

Concen: 2.360 ng

RT: 6.35 min Scan# 724

Delta R.T. -0.01 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

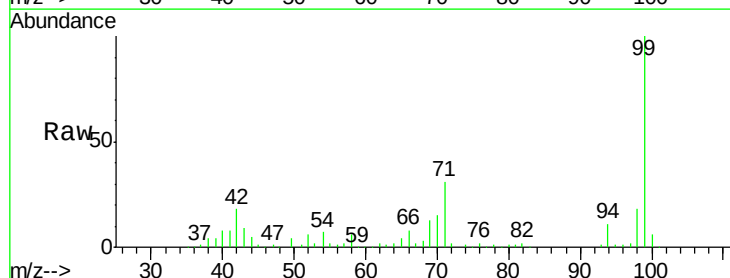
Tgt Ion: 94 Resp: 22967

Ion Ratio Lower Upper

94 100

65 35.7 21.4 61.4

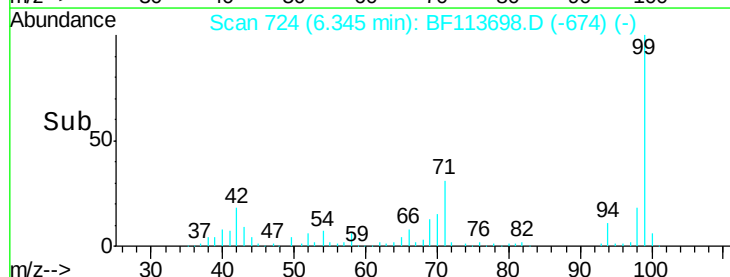
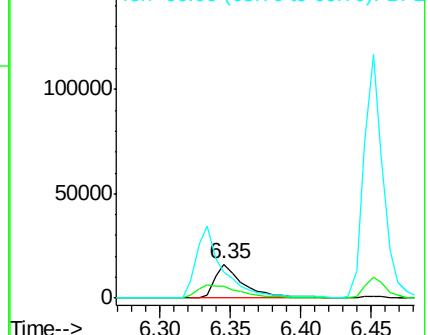
66 74.9 46.4 86.4

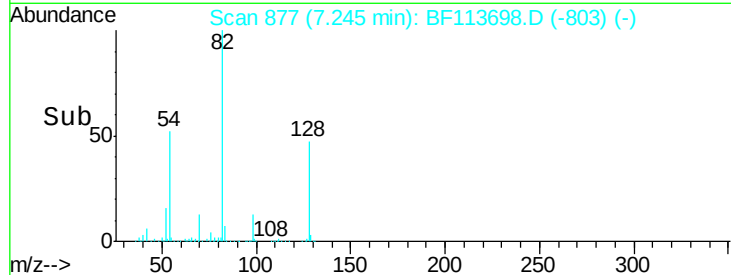
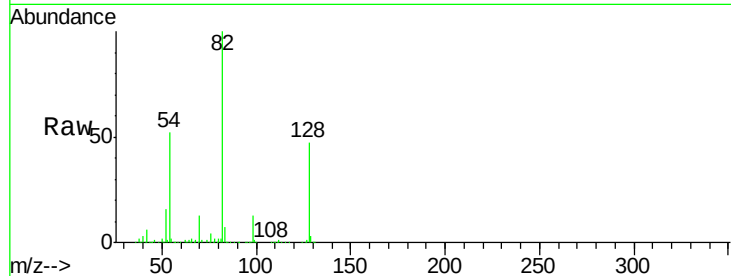
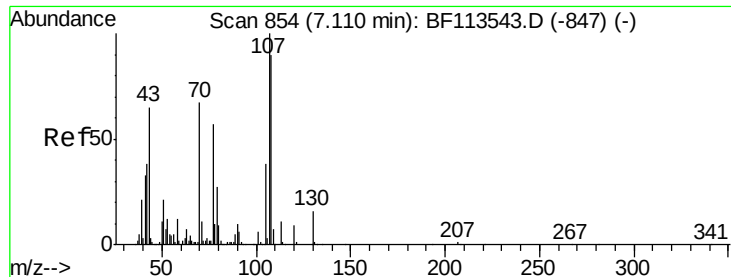


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

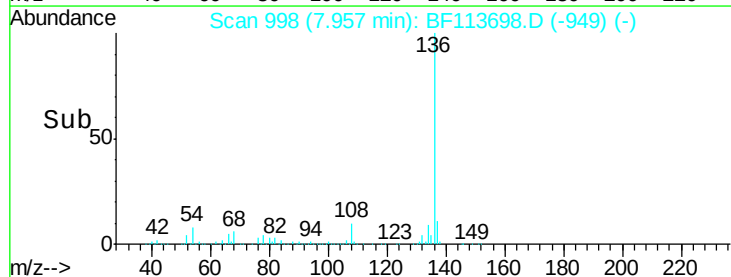
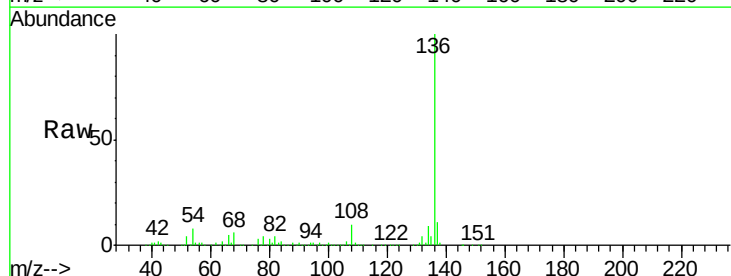
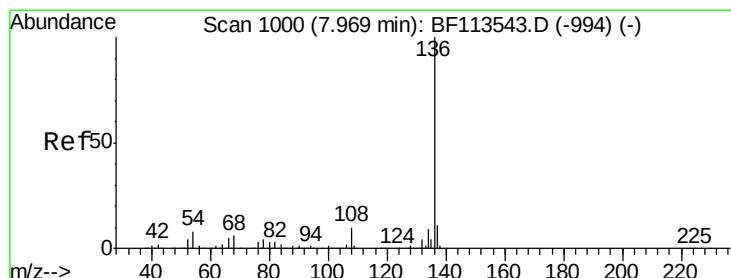
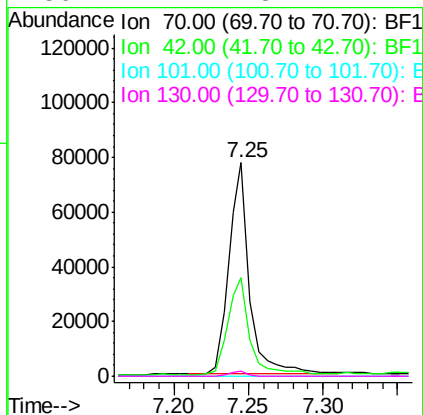




#19
n-Nitroso-di-n-propylamine
Concen: 14.389 ng
RT: 7.25 min Scan# 877
Delta R.T. 0.14 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

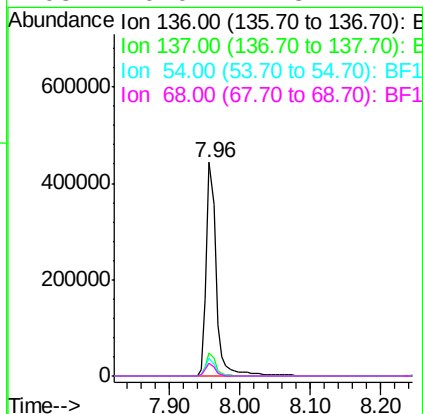
Instrument :
BNA_F
ClientSampleId :

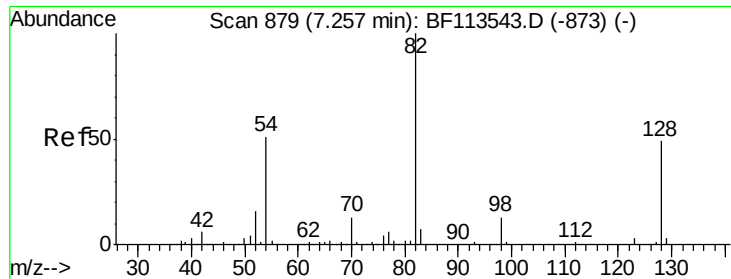
Tot Ion	Ion	Ratio	Lower	Upper
70	100			
42	46.3	48.4	72.6#	
101	0.0	7.8	11.8#	
130	2.4	18.2	27.4#	



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.96 min Scan# 998
Delta R.T. -0.01 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Tgt Ion	Ion	Ratio	Lower	Upper
136	100			
137	10.8	8.9	13.3	
54	8.4	7.0	10.6	
68	6.0	4.8	7.2	

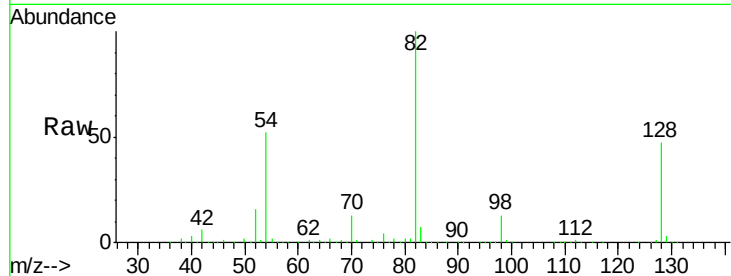




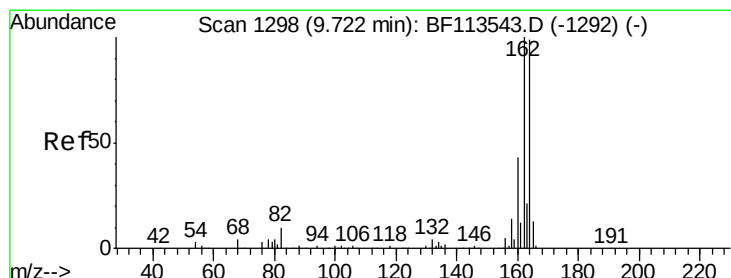
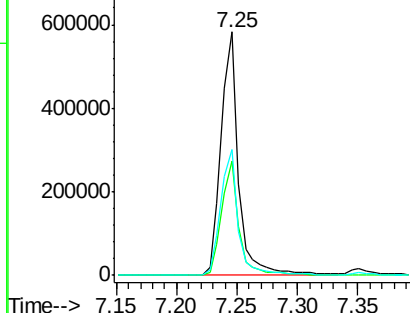
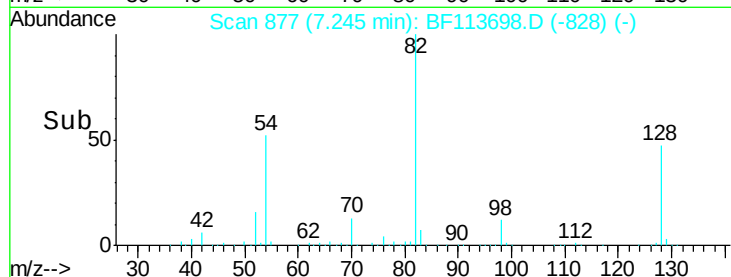
#23
Nitrobenzene-d5
Concen: 79.004 ng
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Instrument :
BNA_F
ClientSampled :

Tot Ion: 82 Resp: 586798
Ion Ratio Lower Upper
82 100
128 47.1 36.5 54.7
54 51.8 42.2 63.2

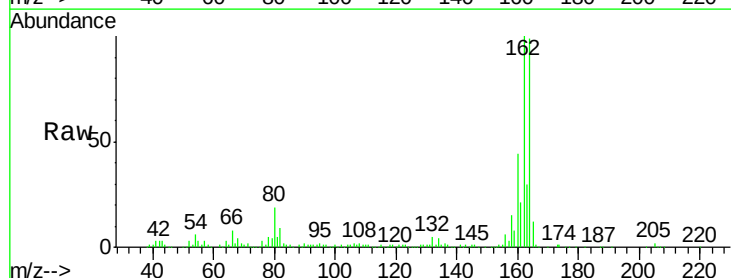


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

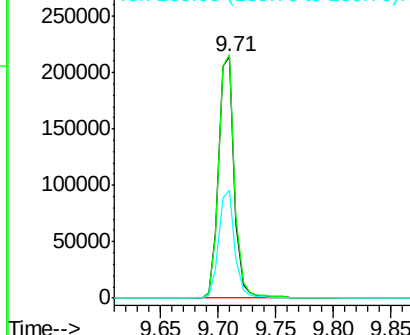
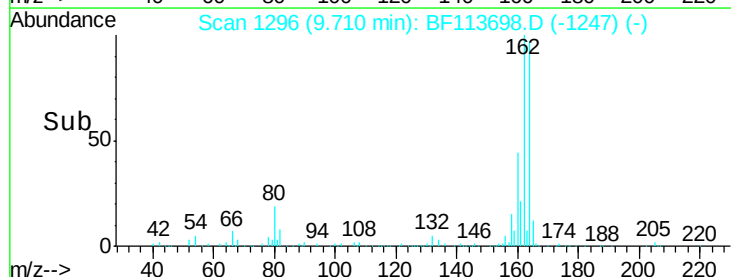


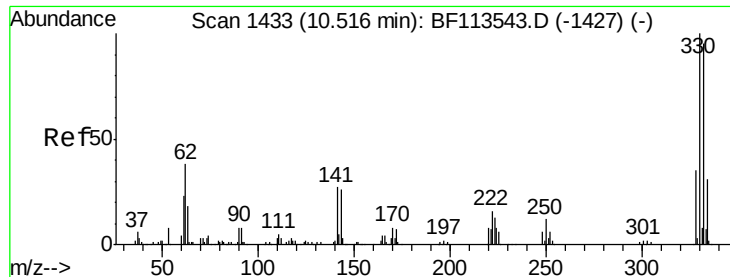
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.01 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Tgt Ion:164 Resp: 204138
Ion Ratio Lower Upper
164 100
162 101.0 81.8 122.6
160 44.8 36.4 54.6



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

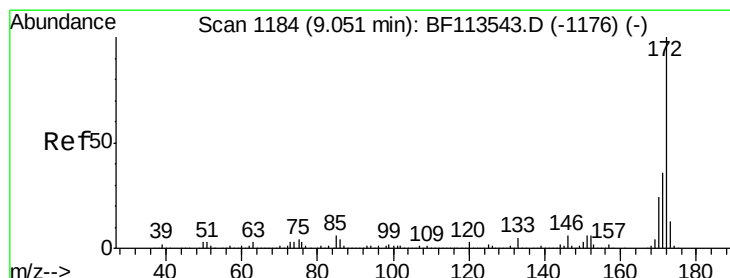
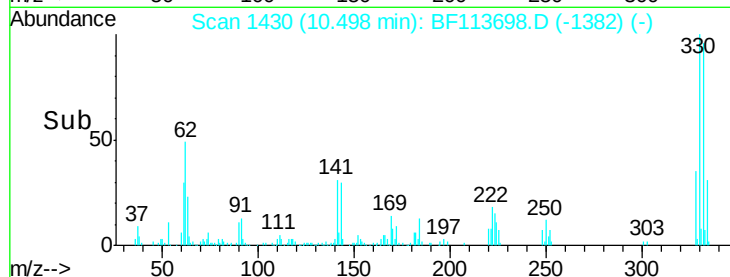
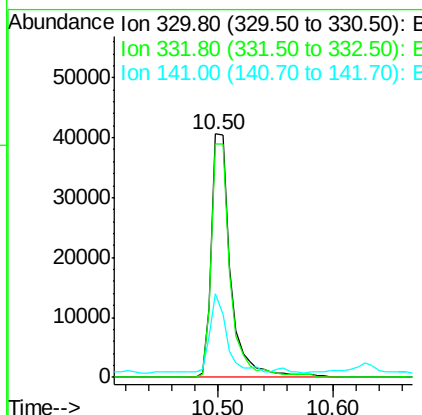
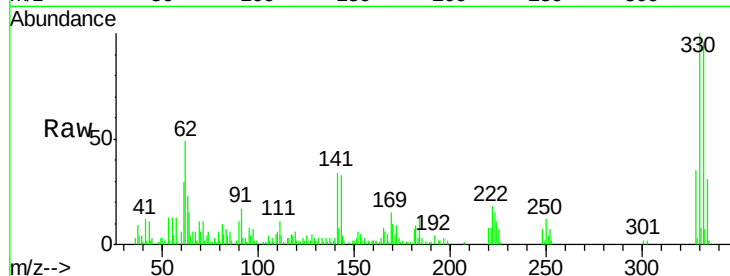




#42
 2,4,6-Tribromophenol
 Concen: 19.211 ng
 RT: 10.50 min Scan# 1430
 Delta R.T. -0.02 min
 Lab File: BF113698.D
 Acq: 10 Apr 2019 16:00

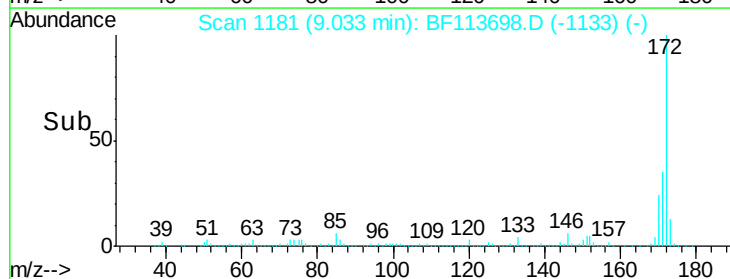
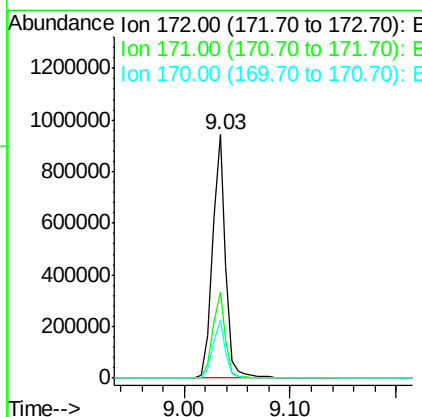
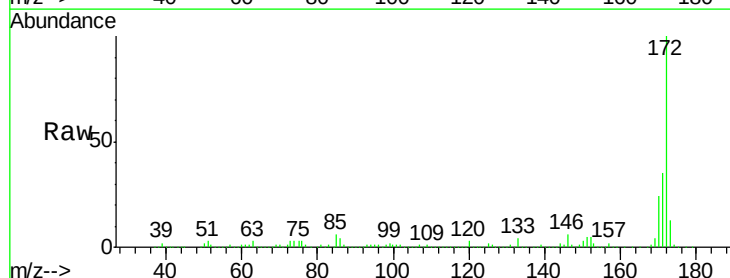
Instrument :
 BNA_F
 ClientSampled :

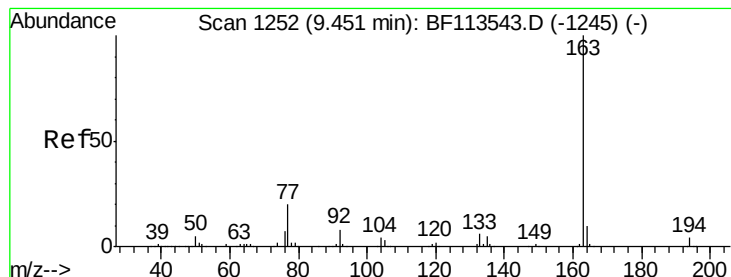
Tot Ion:330 Resp: 47109
 Ion Ratio Lower Upper
 330 100
 332 94.6 77.8 116.6
 141 29.0 22.7 34.1



#45
 2-Fluorobiphenyl
 Concen: 65.188 ng
 RT: 9.03 min Scan# 1181
 Delta R.T. -0.02 min
 Lab File: BF113698.D
 Acq: 10 Apr 2019 16:00

Tgt Ion:172 Resp: 826595
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.0 43.6
 170 24.0 19.5 29.3





#50

Dimethylphthalate

Concen: 10.561 ng

RT: 9.43 min Scan# 1248

Delta R.T. -0.02 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Instrument :

BNA_F

ClientSampleId :

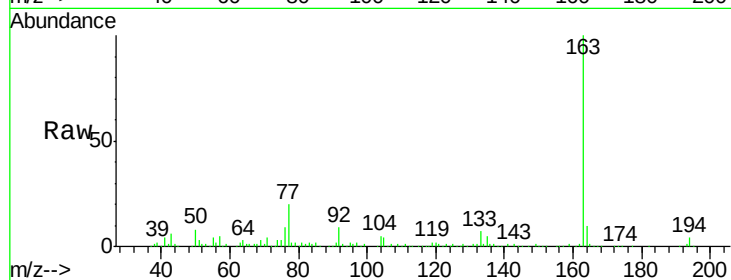
Tot Ion:163 Resp: 158921

Ion Ratio Lower Upper

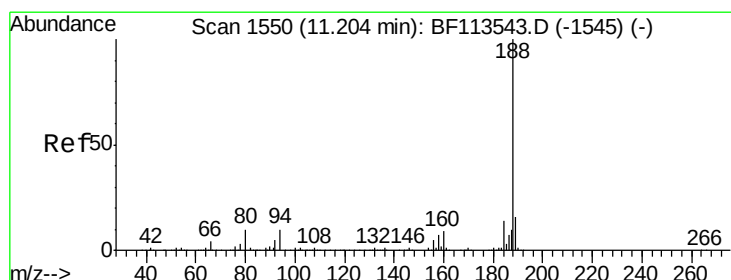
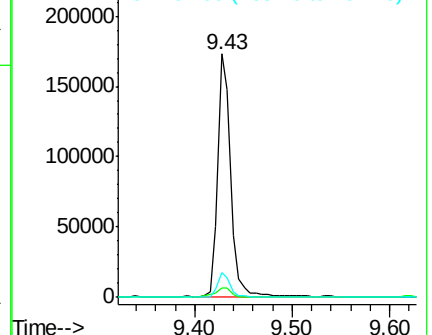
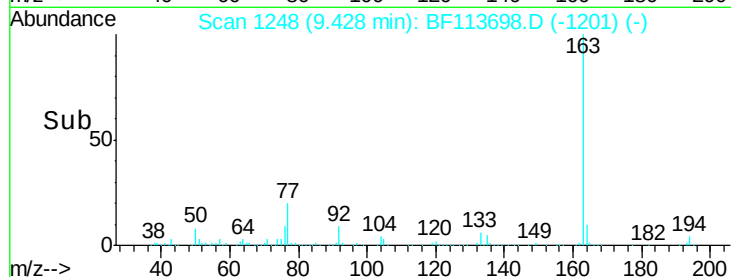
163 100

194 4.0 3.0 4.6

164 10.1 8.1 12.1



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



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.19 min Scan# 1548

Delta R.T. -0.01 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

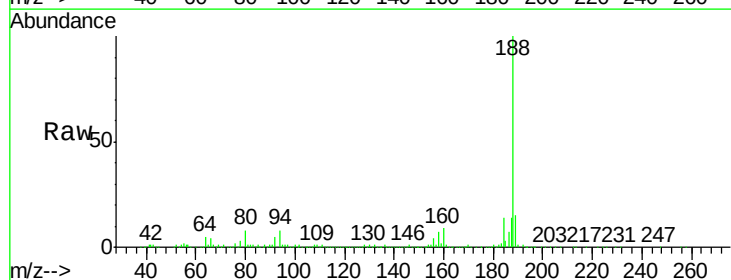
Tgt Ion:188 Resp: 373033

Ion Ratio Lower Upper

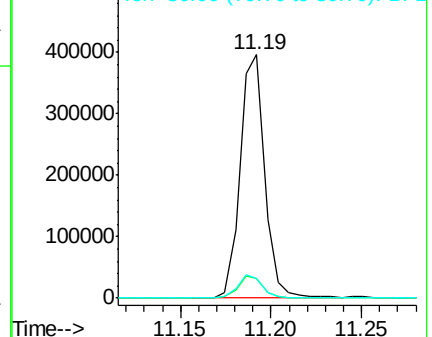
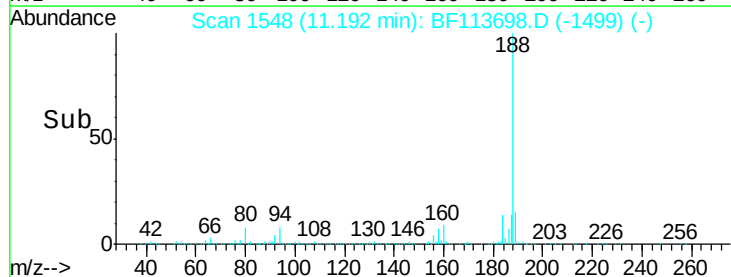
188 100

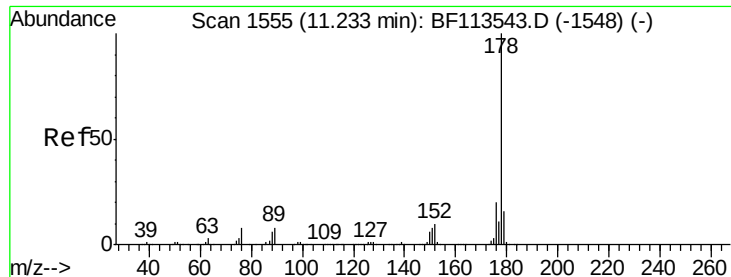
94 8.2 7.0 10.6

80 8.0 7.7 11.5



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





#71

Phenanthrene

Concen: 3.748 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.02 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Instrument :

BNA_F

ClientSampleId :

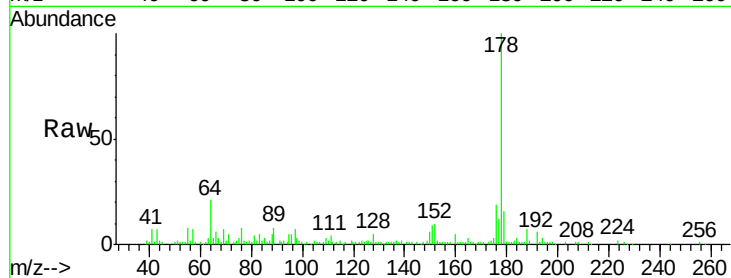
Tot Ion:178 Resp: 69468

Ion Ratio Lower Upper

178 100

176 19.0 16.2 24.2

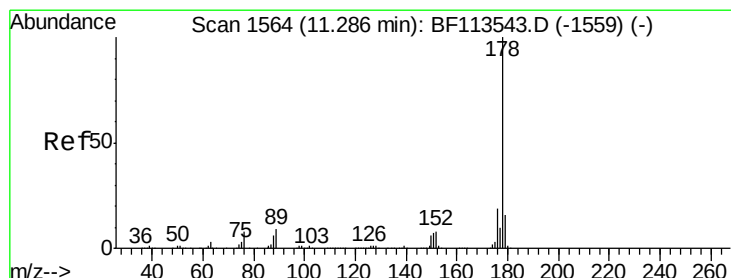
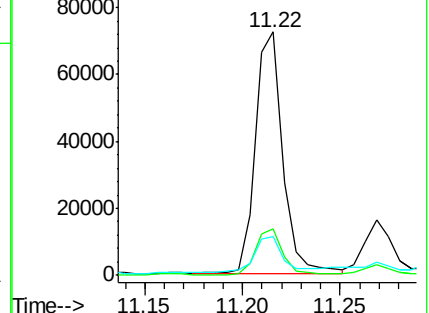
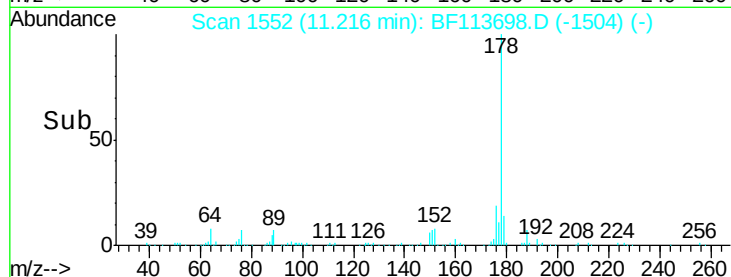
179 15.8 12.7 19.1



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: 3.684 ng

RT: 11.22 min Scan# 1552

Delta R.T. -0.07 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

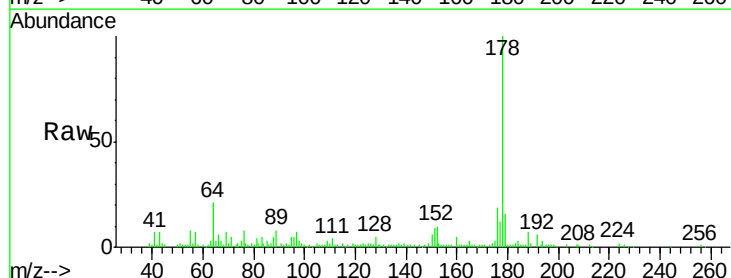
Tgt Ion:178 Resp: 69468

Ion Ratio Lower Upper

178 100

176 19.0 15.4 23.2

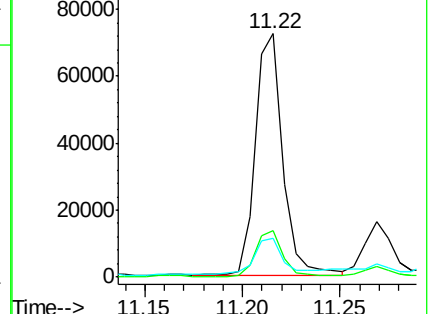
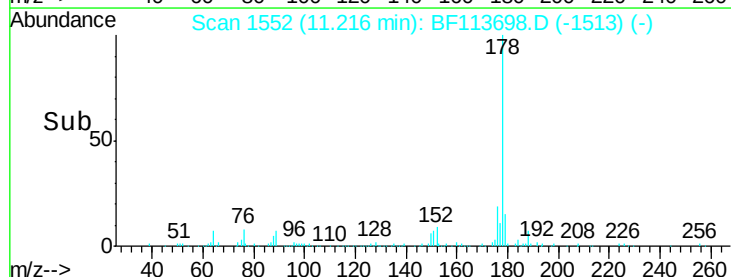
179 15.8 12.8 19.2

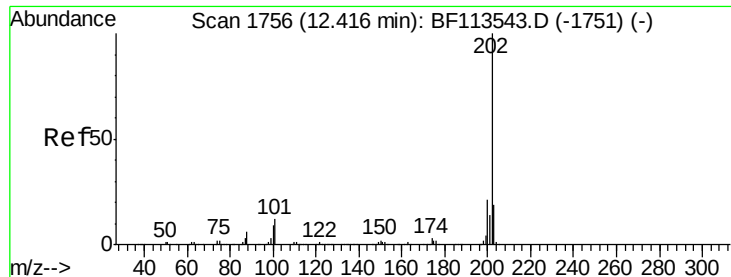


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#75

Fluoranthene

Concen: 4.958 ng

RT: 12.40 min Scan# 1754

Delta R.T. -0.01 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Instrument :

BNA_F

ClientSampleId :

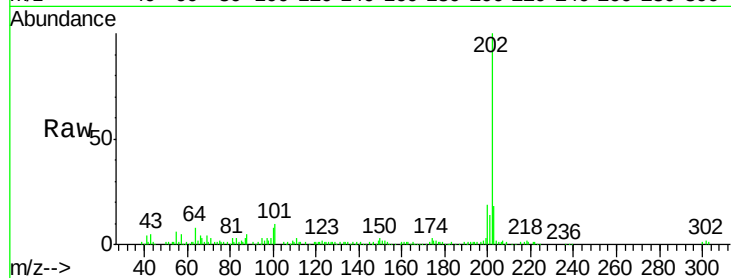
Tot Ion:202 Resp: 98476

Ion Ratio Lower Upper

202 100

101 9.9 0.0 31.4

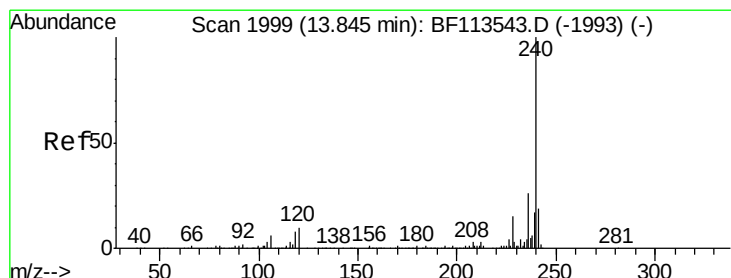
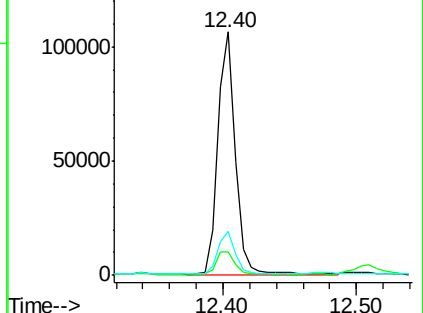
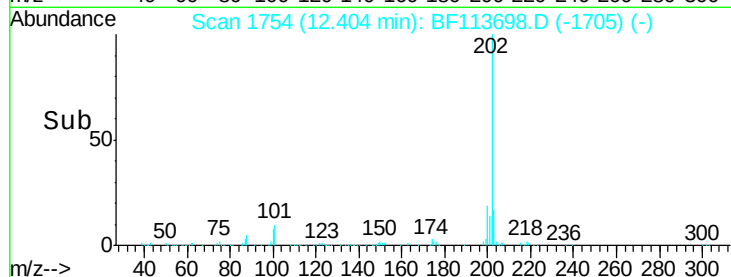
203 17.9 0.0 38.0



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.83 min Scan# 1996

Delta R.T. -0.02 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

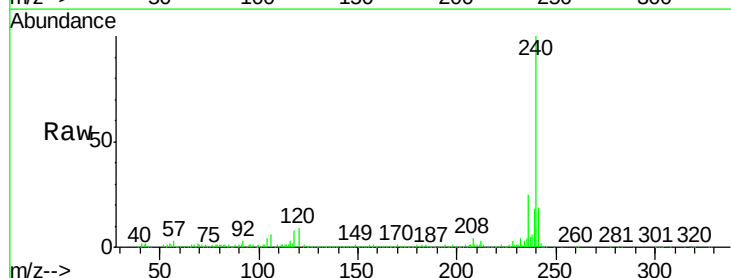
Tgt Ion:240 Resp: 286175

Ion Ratio Lower Upper

240 100

120 9.1 8.8 13.2

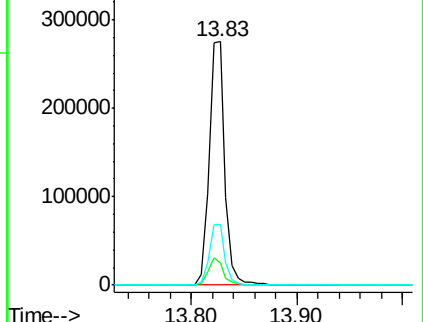
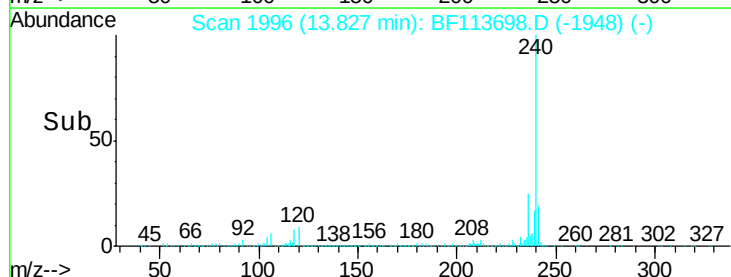
236 25.1 20.9 31.3

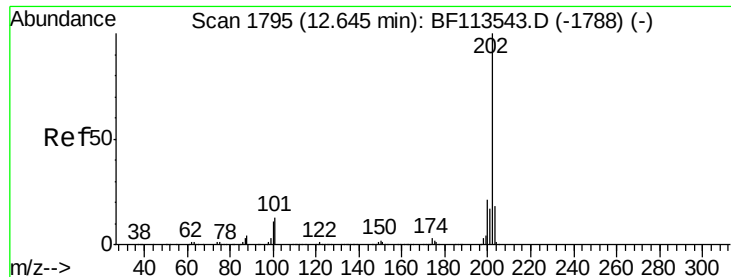


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

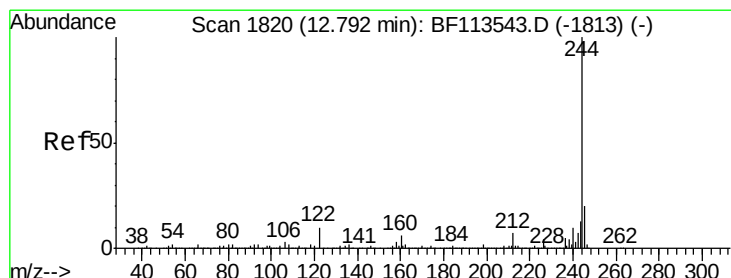
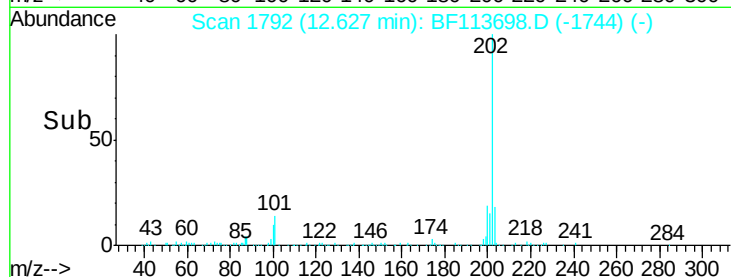
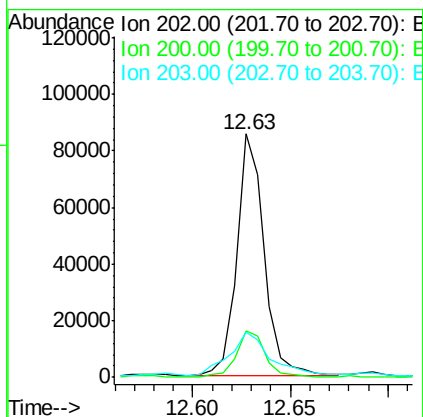
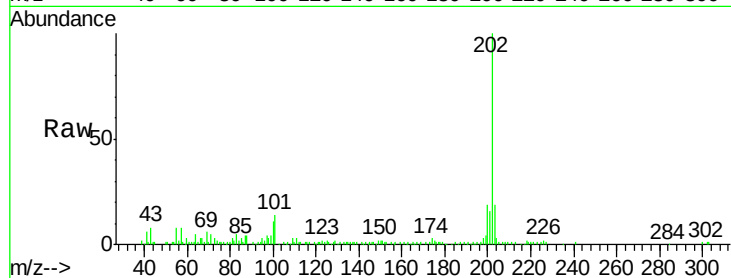




#78
Pvrene
Concen: 3.827 ng
RT: 12.63 min Scan# 1792
Delta R.T. -0.02 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

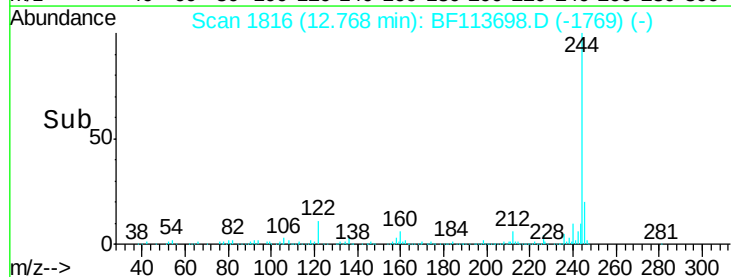
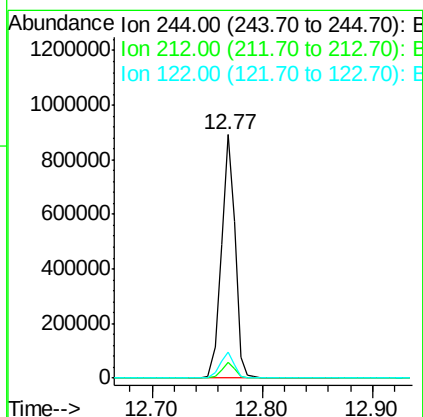
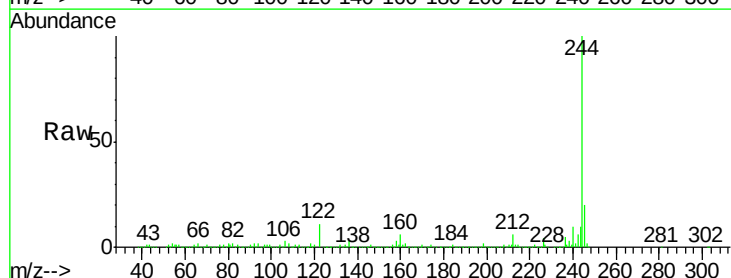
Instrument :
BNA_F
ClientSampled :

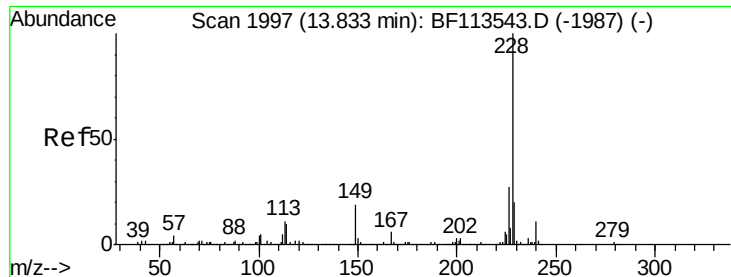
Tot Ion:202 Resp: 83340
Ion Ratio Lower Upper
202 100
200 19.3 16.8 25.2
203 18.5 14.4 21.6



#79
Terphenyl-d14
Concen: 55.050 ng
RT: 12.77 min Scan# 1816
Delta R.T. -0.02 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Tgt Ion:244 Resp: 773767
Ion Ratio Lower Upper
244 100
212 6.5 5.5 8.3
122 10.9 8.6 13.0





#81

Benzo(a)anthracene

Concen: 2.237 ng

RT: 13.82 min Scan# 1994

Delta R.T. -0.02 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Instrument :

BNA_F

ClientSampleId :

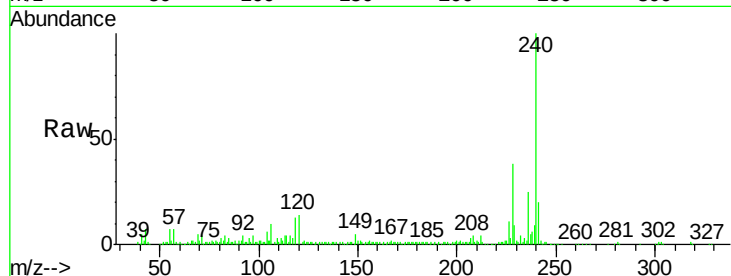
Tot Ion:228 Resp: 36930

Ion Ratio Lower Upper

228 100

226 28.1 21.8 32.8

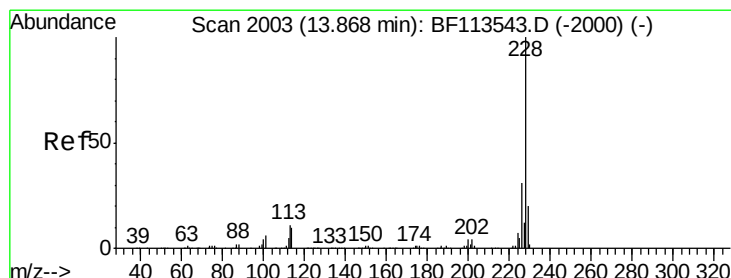
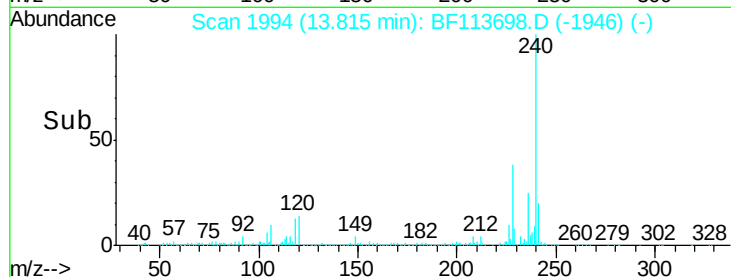
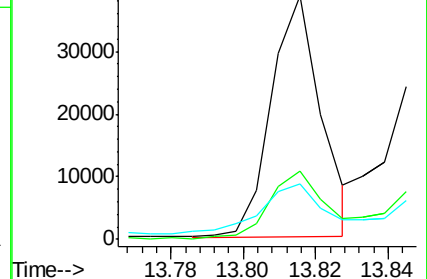
229 22.7 16.2 24.4



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



#83

Chrysene

Concen: 2.259 ng

RT: 13.85 min Scan# 2000

Delta R.T. -0.02 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

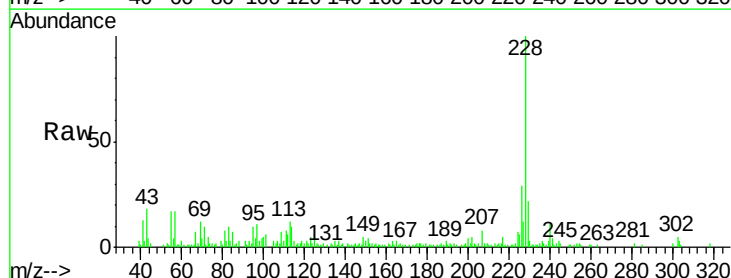
Tgt Ion:228 Resp: 37798

Ion Ratio Lower Upper

228 100

226 29.4 24.3 36.5

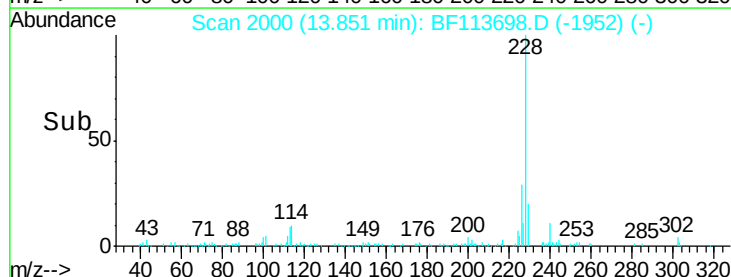
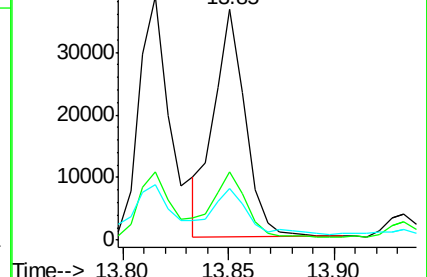
229 22.3 16.3 24.5

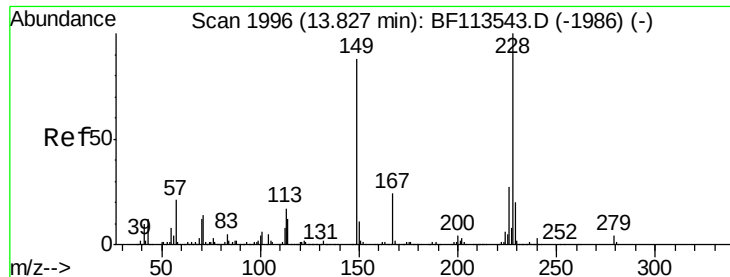


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 8.347 ng

RT: 13.80 min Scan# 1991

Delta R.T. -0.03 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Instrument :

BNA_F

ClientSampleId :

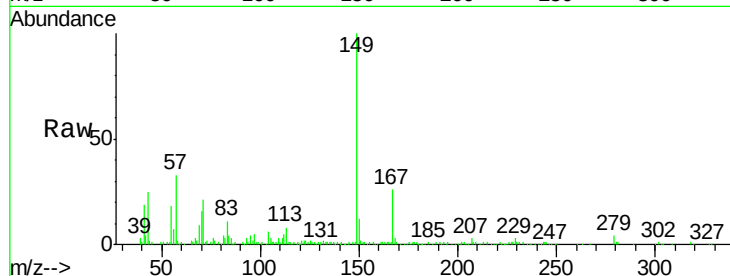
Tot Ion:149 Resp: 89453

Ion Ratio Lower Upper

149 100

167 25.7 21.8 32.8

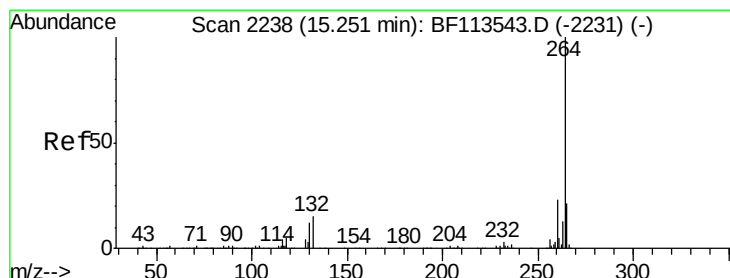
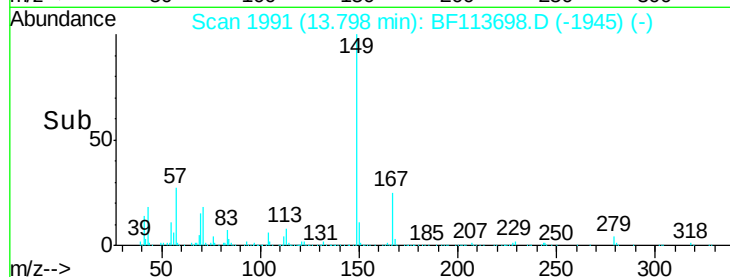
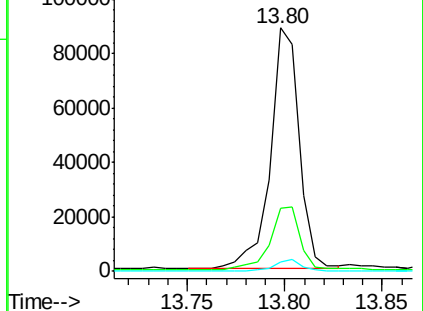
279 4.0 2.9 4.3



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.23 min Scan# 2235

Delta R.T. -0.02 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

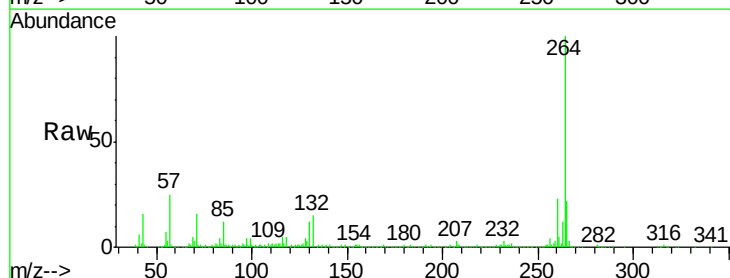
Tgt Ion:264 Resp: 304469

Ion Ratio Lower Upper

264 100

260 23.0 19.1 28.7

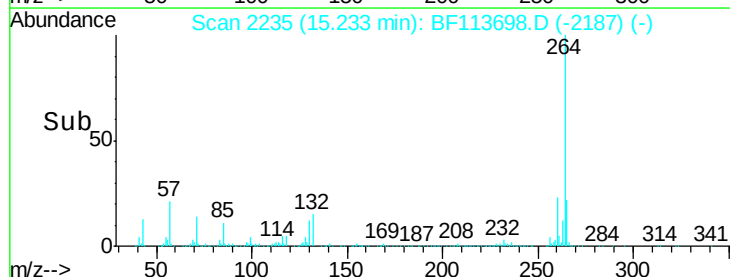
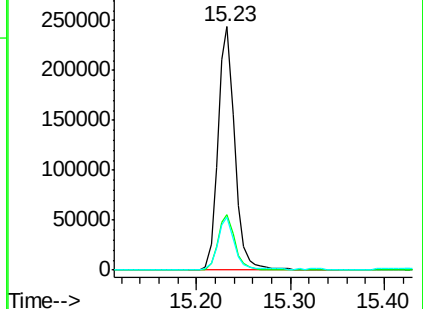
265 21.9 17.1 25.7

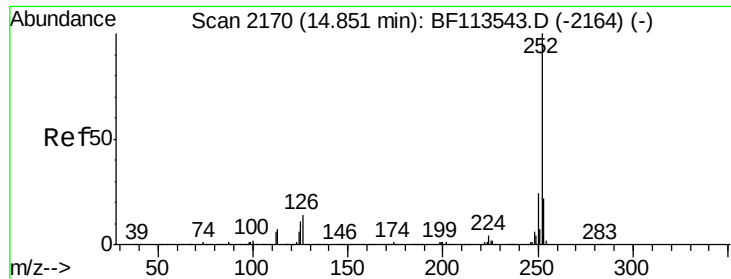


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

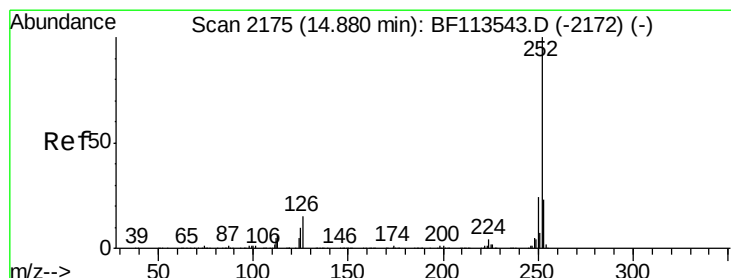
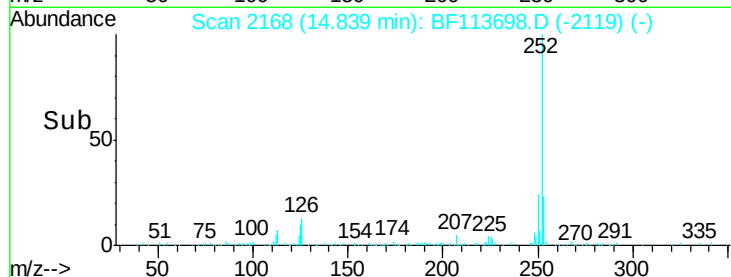
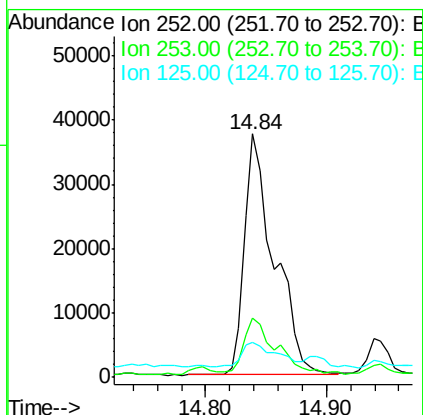
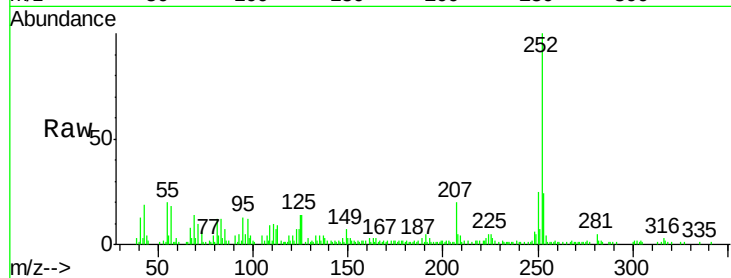




#88
Benzo(b)fluoranthene
Concen: 3.461 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.01 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

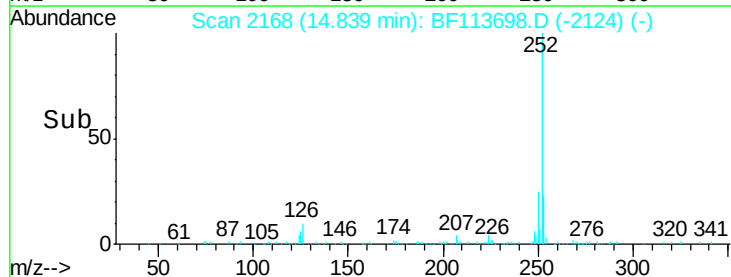
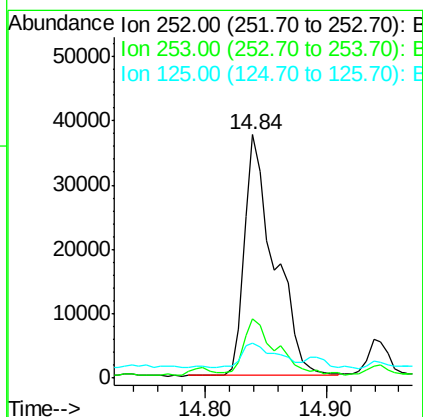
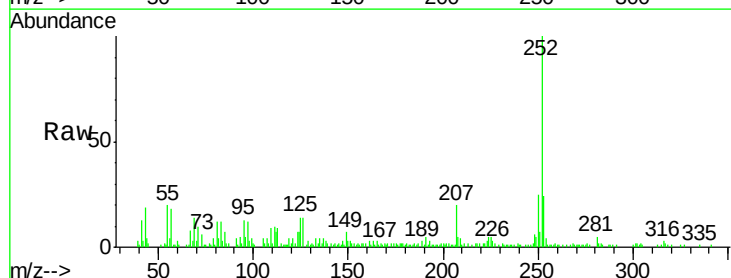
Instrument :
BNA_F
ClientSampleId :

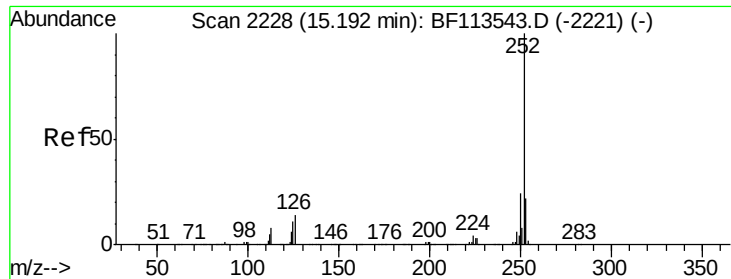
Tot Ion	Ratio	Lower	Upper
252	100		
253	24.2	18.0	27.0
125	14.3	7.6	11.4



#89
Benzo(k)fluoranthene
Concen: 3.856 ng
RT: 14.84 min Scan# 2168
Delta R.T. -0.04 min
Lab File: BF113698.D
Acq: 10 Apr 2019 16:00

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.2	17.7	26.5
125	14.3	7.3	10.9





#90

Benzo(a)pyrene

Concen: 2.050 ng

RT: 15.18 min Scan# 2226

Delta R.T. -0.01 min

Lab File: BF113698.D

Acq: 10 Apr 2019 16:00

Instrument :

BNA_F

ClientSampleId :

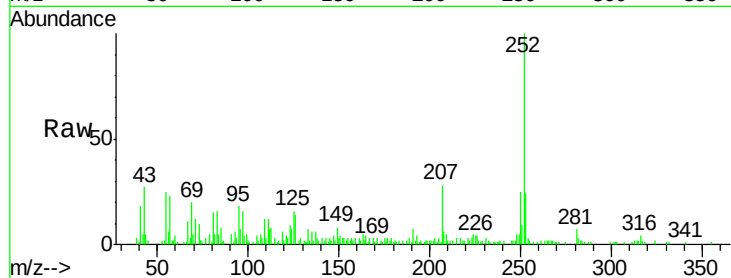
Tot Ion:252 Resp: 33954

Ion Ratio Lower Upper

252 100

253 23.9 17.9 26.9

125 16.4 8.8 13.2#



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

