

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF100219\
 Data File : BF117294.D
 Acq On : 2 Oct 2019 12:50
 Operator : JU
 Sample : K4659-04RE 2X
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Oct 03 01:30:03 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF091319.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 13 16:23:17 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	34020	20.00	ng	-0.01
21) Naphthalene-d8	8.09	136	134515	20.00	ng	-0.02
39) Acenaphthene-d10	9.85	164	64101	20.00	ng	-0.01
64) Phenanthrene-d10	11.33	188	96070	20.00	ng	0.00
76) Chrysene-d12	13.97	240	92661	20.00	ng	0.00
87) Perylene-d12	15.43	264	80008	20.00	ng	0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.43	112	80064	36.74	ng	-0.01
7) Phenol-d6	6.45	99	112208	39.85	ng	0.00
23) Nitrobenzene-d5	7.37	82	65637	25.64	ng	-0.02
42) 2,4,6-Tribromophenol	10.63	330	18298	34.15	ng	-0.01
45) 2-Fluorobiphenyl	9.16	172	121720	29.69	ng	-0.01
79) Terphenyl-d14	12.92	244	119283	24.06	ng	0.00

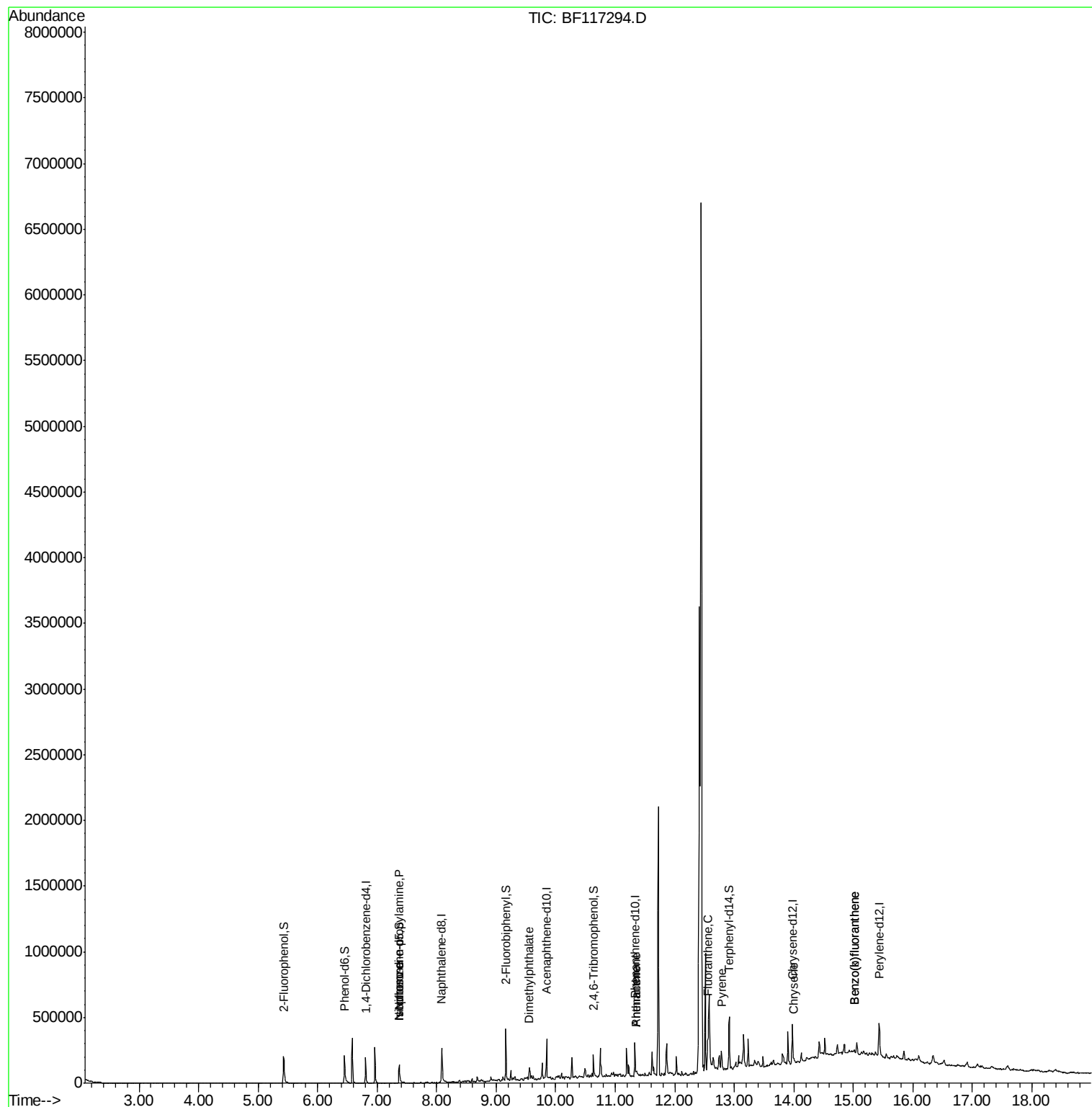
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.58	77	2184	Below Cal		# 85
19) n-Nitroso-di-n-propylamine	7.37	70	8256	4.815	ng	# 77
25) Isophorone	7.37	82	65637	14.480	ng	# 66
50) Dimethylphthalate	9.56	163	25993	5.727	ng	# 97
69) Atrazine	11.03	200	240	Below Cal		# 14
71) Phenanthrene	11.36	178	13045	2.391	ng	# 98
72) Anthracene	11.36	178	13045	2.342	ng	# 96
75) Fluoranthene	12.55	202	22474	4.008	ng	# 92
78) Pyrene	12.78	202	24148	3.106	ng	# 97
83) Chrysene	14.00	228	12352	2.046	ng	# 89
88) Benzo(b)fluoranthene	15.02	252	17717	3.656	ng	# 60
89) Benzo(k)fluoranthene	15.02	252	17717	3.859	ng	# 60

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

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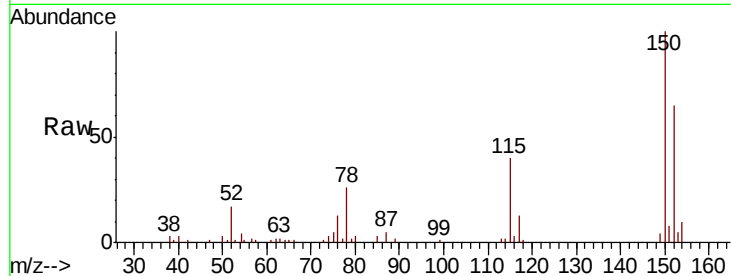


#1

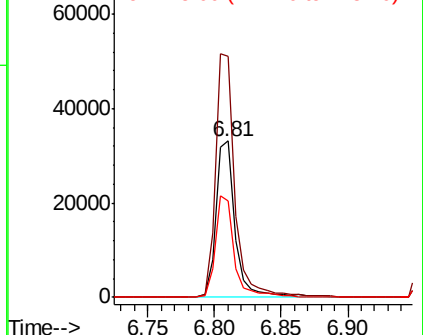
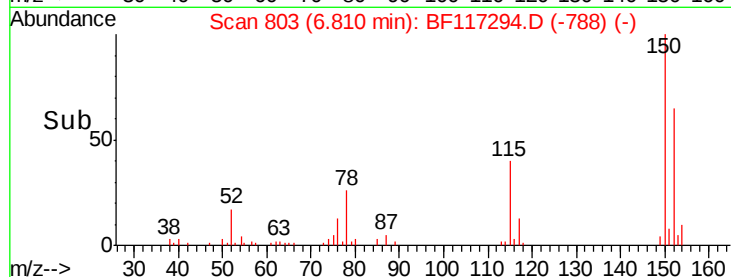
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF117294.D
Acq: 2 Oct 2019 12:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:152 Resp: 34020
Ion Ratio Lower Upper
152 100
150 153.7 127.5 191.3
115 62.0 55.0 82.4



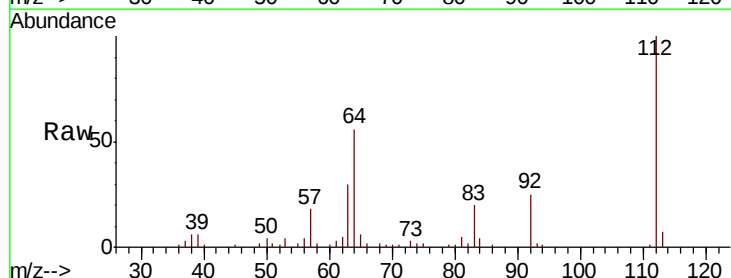
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



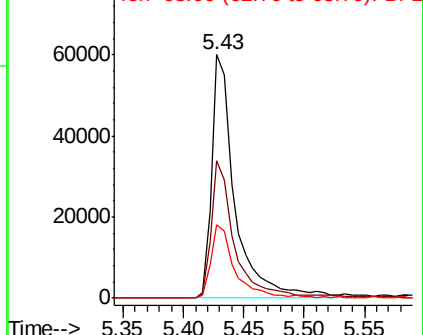
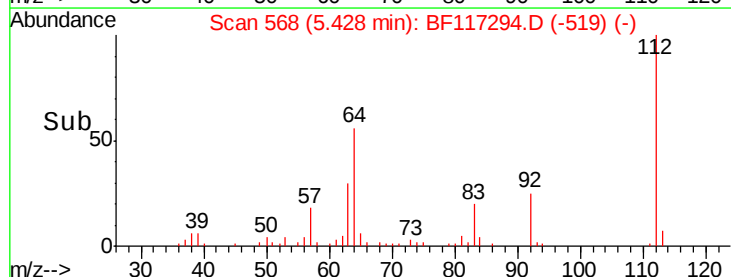
#5

2-Fluorophenol
Concen: 36.743 ng
RT: 5.43 min Scan# 568
Delta R.T. -0.01 min
Lab File: BF117294.D
Acq: 2 Oct 2019 12:50

Tgt Ion:112 Resp: 80064
Ion Ratio Lower Upper
112 100
64 56.4 45.7 68.5
63 30.3 24.9 37.3



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: 39.845 ng

RT: 6.45 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF117294.D

Acq: 2 Oct 2019 12:50

Instrument :

BNA_F

ClientSampleId :

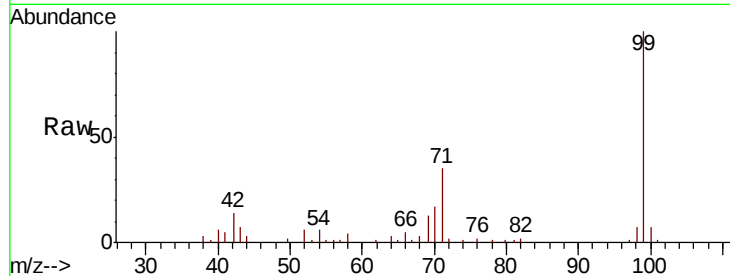
Tot Ion: 99 Resp: 112208

Ion Ratio Lower Upper

99 100

42 14.0 12.2 18.2

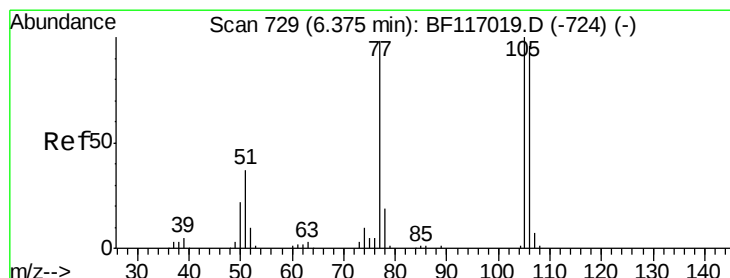
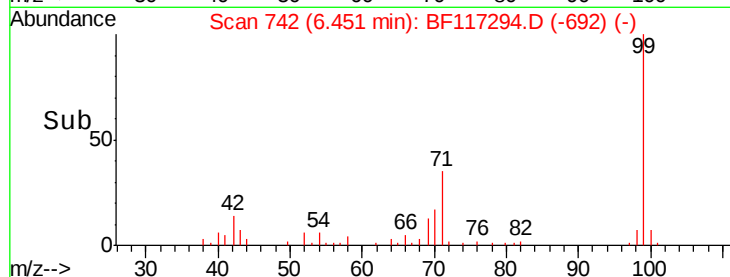
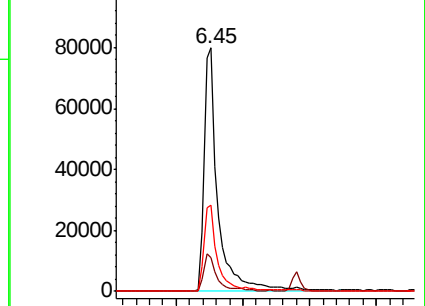
71 35.4 29.8 44.8



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



#9

Benzaldehyde

Concen: Below Cal

RT: 6.58 min Scan# 764

Delta R.T. 0.21 min

Lab File: BF117294.D

Acq: 2 Oct 2019 12:50

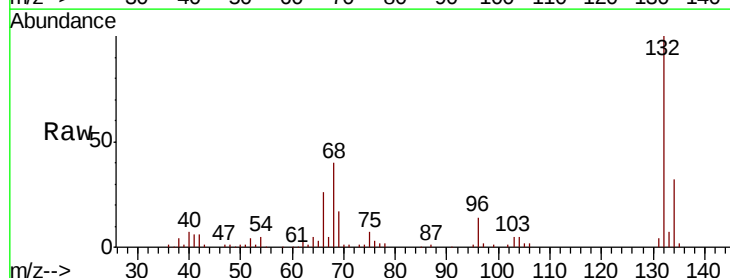
Tgt Ion: 77 Resp: 2184

Ion Ratio Lower Upper

77 100

105 94.9 81.8 121.8

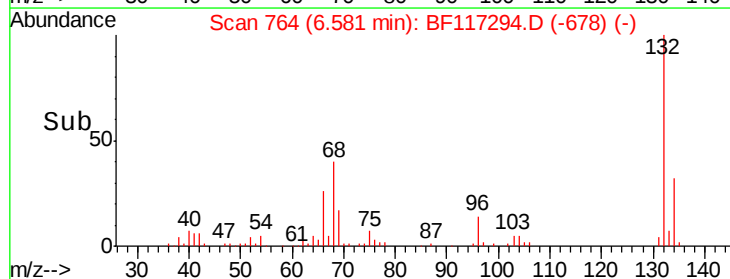
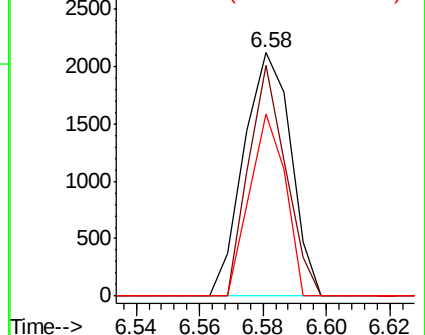
106 75.0 77.3 117.3#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 4.815 ng

RT: 7.37 min Scan# 898

Delta R.T. 0.13 min

Lab File: BF117294.D

Acq: 2 Oct 2019 12:50

Instrument :

BNA_F

ClientSampled :

Tot Ion: 70 Resp: 8256

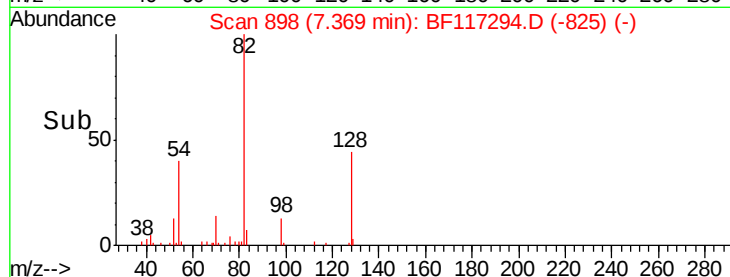
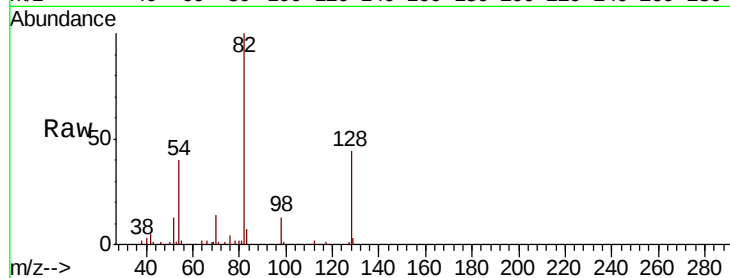
Ion Ratio Lower Upper

70 100

42 36.5 34.0 51.0

101 0.0 7.8 11.6#

130 0.0 17.8 26.8#

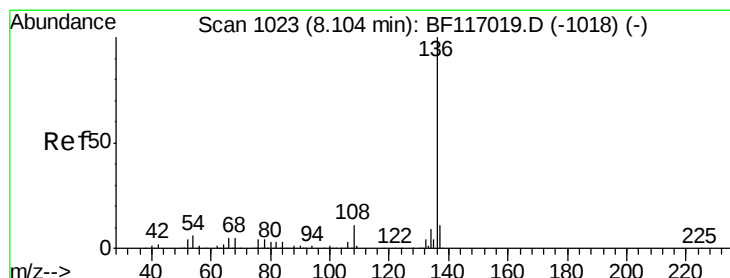
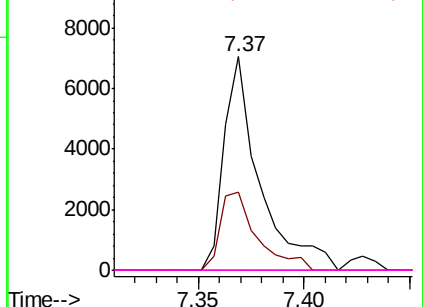


Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.09 min Scan# 1020

Delta R.T. -0.02 min

Lab File: BF117294.D

Acq: 2 Oct 2019 12:50

Tgt Ion: 136 Resp: 134515

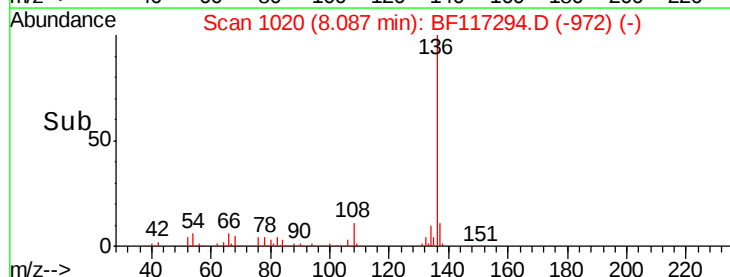
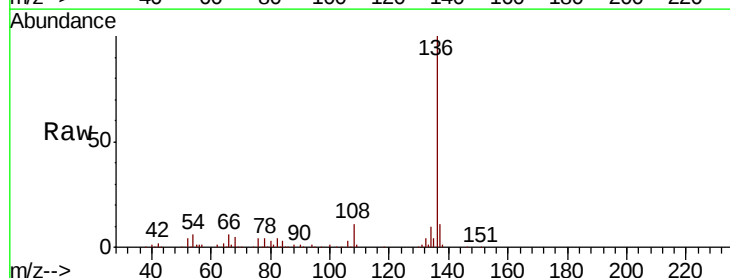
Ion Ratio Lower Upper

136 100

137 11.4 9.0 13.4

54 6.5 4.5 6.7

68 5.4 4.0 6.0

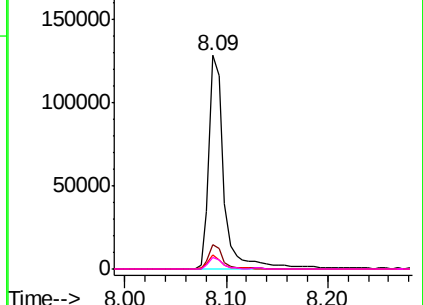


Abundance Ion 136.00 (135.70 to 136.70): E

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

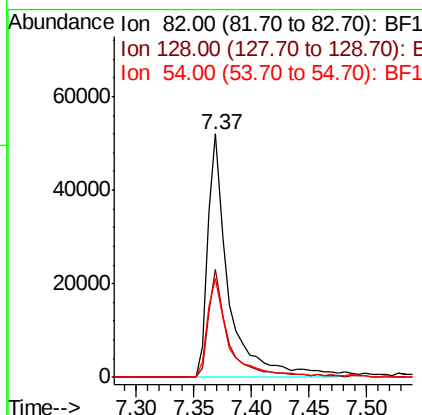
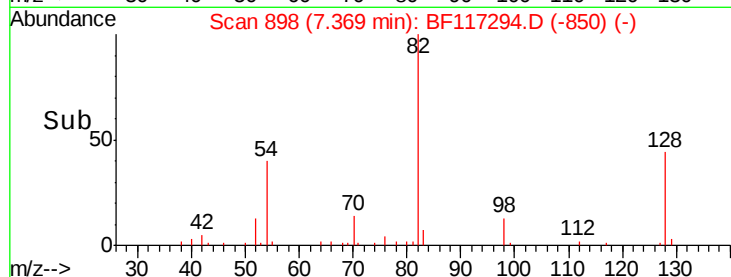
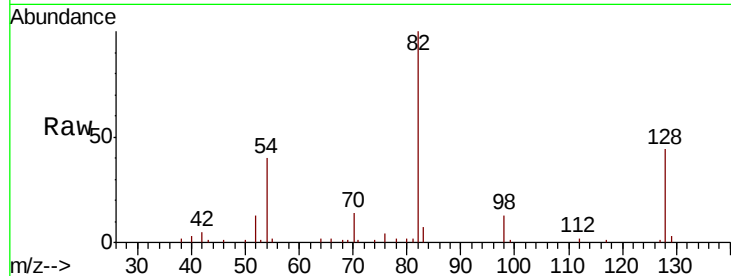




#23
Nitrobenzene-d5
Concen: 25.638 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.02 min
Lab File: BF117294.D
Acq: 2 Oct 2019 12:50

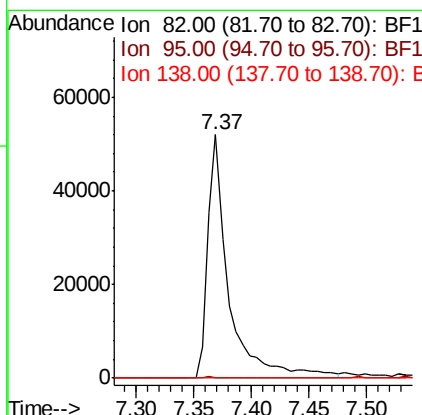
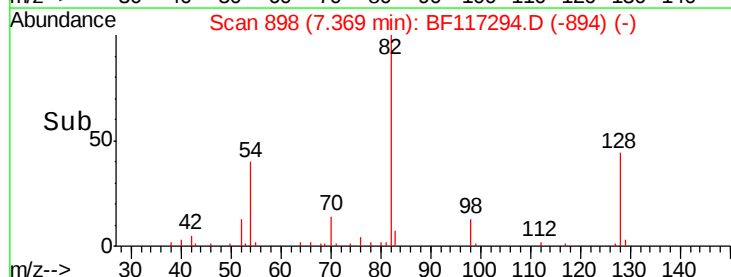
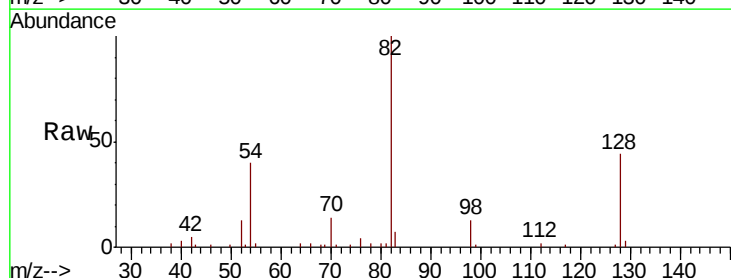
Instrument :
BNA_F
ClientSampleId :

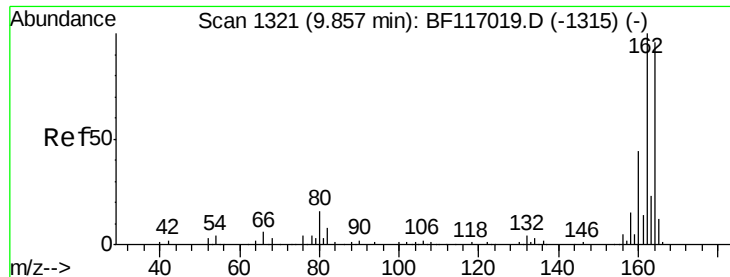
Tot Ion: 82 Resp: 65637
Ion Ratio Lower Upper
82 100
128 44.4 32.3 48.5
54 40.4 33.3 49.9



#25
Isophorone
Concen: 14.480 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.28 min
Lab File: BF117294.D
Acq: 2 Oct 2019 12:50

Tgt Ion: 82 Resp: 65637
Ion Ratio Lower Upper
82 100
95 0.0 5.8 8.6#
138 0.0 13.5 20.3#

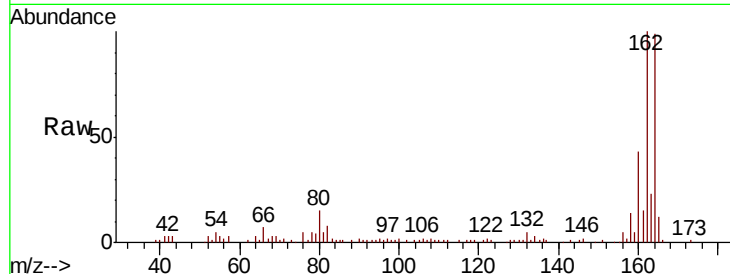




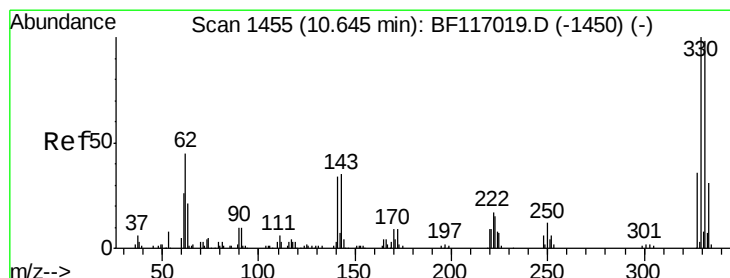
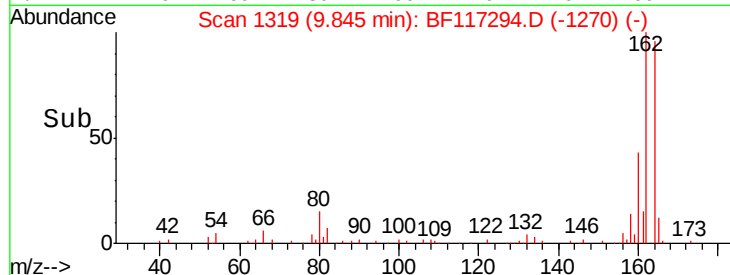
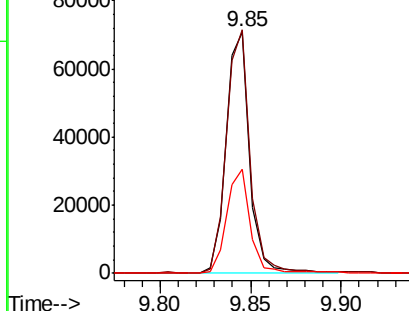
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.85 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF117294.D
 Acq: 2 Oct 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
164	100		
162	100.9	83.4	125.2
160	43.2	36.4	54.6

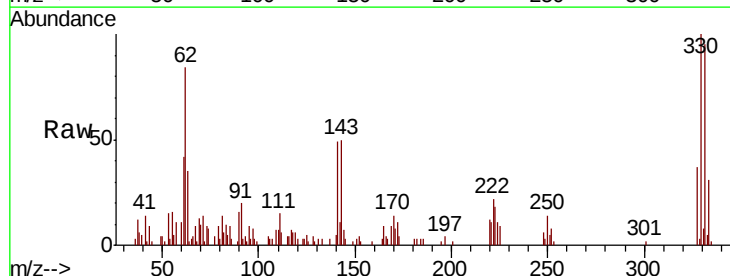


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

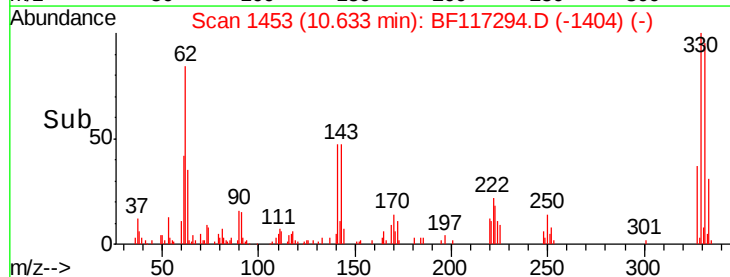
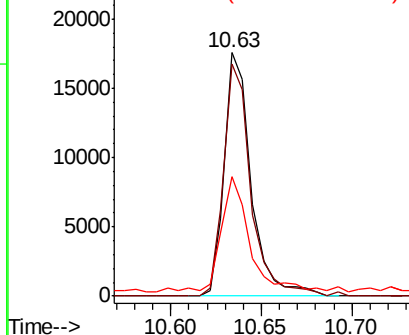


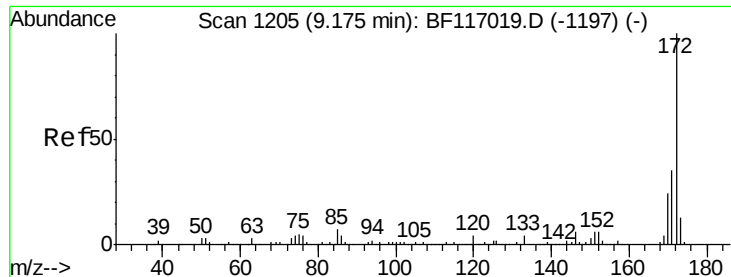
#42
 2,4,6-Tribromophenol
 Concen: 34.155 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.01 min
 Lab File: BF117294.D
 Acq: 2 Oct 2019 12:50

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.0	117.0
141	46.4	35.8	53.6



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

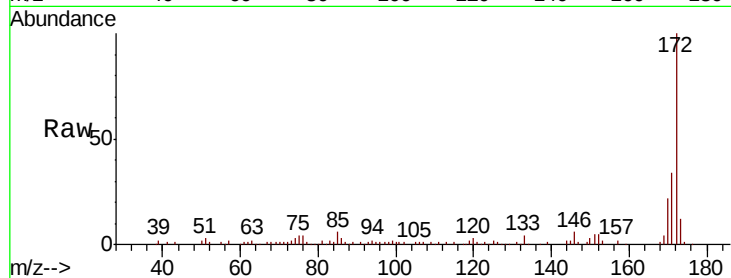




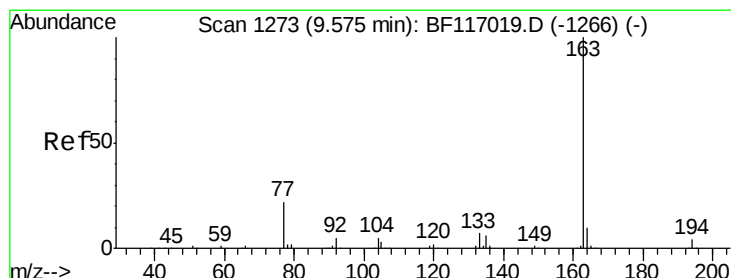
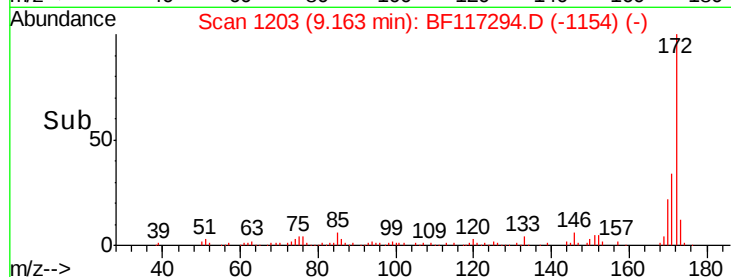
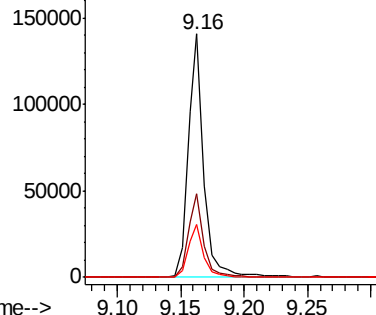
#45
2-Fluorobiphenyl
Concen: 29.690 ng
RT: 9.16 min Scan# 1203
Delta R.T. -0.01 min
Lab File: BF117294.D
Acq: 2 Oct 2019 12:50

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 121720
Ion Ratio Lower Upper
172 100
171 34.3 28.2 42.2
170 21.8 18.9 28.3

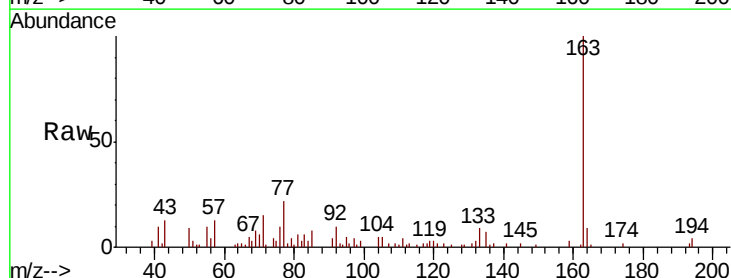


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

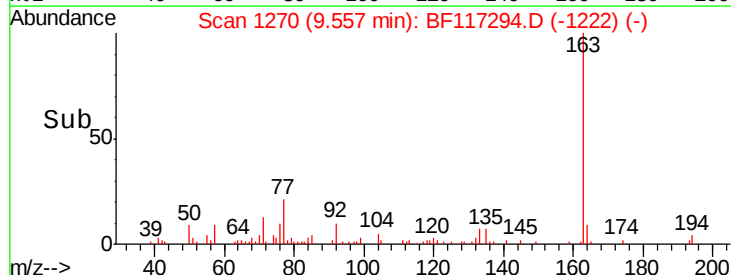
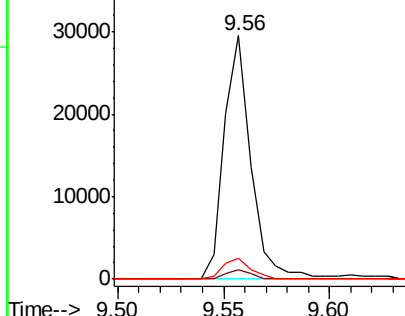


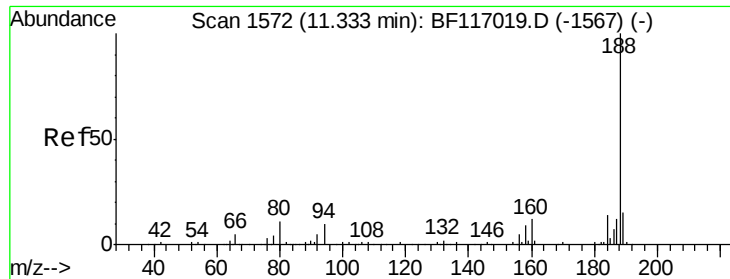
#50
Dimethylphthalate
Concen: 5.727 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.02 min
Lab File: BF117294.D
Acq: 2 Oct 2019 12:50

Tgt Ion:163 Resp: 25993
Ion Ratio Lower Upper
163 100
194 3.9 2.9 4.3
164 8.7 8.2 12.4



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

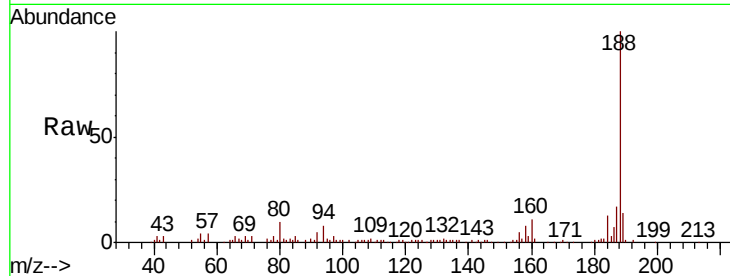




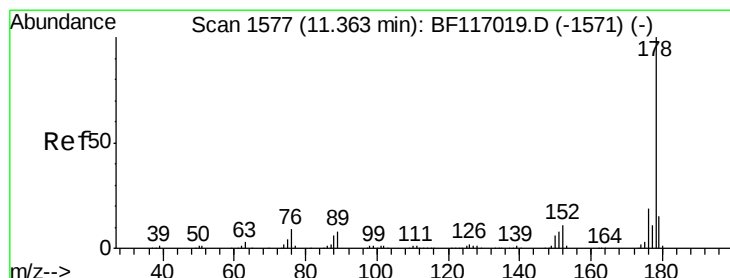
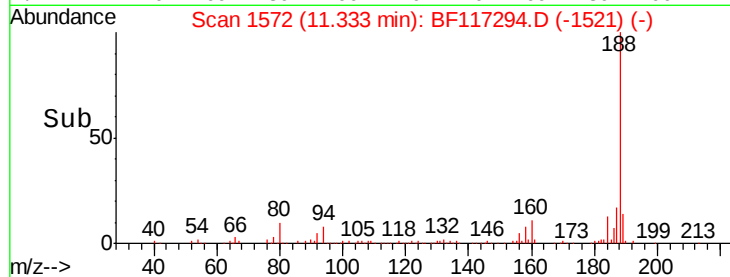
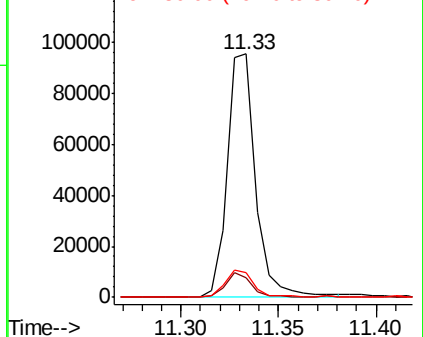
#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 11.33 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: BF117294.D
 Acq: 2 Oct 2019 12:50

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:188 Resp: 96070
 Ion Ratio Lower Upper
 188 100
 94 7.8 8.2 12.2#
 80 10.0 9.0 13.6

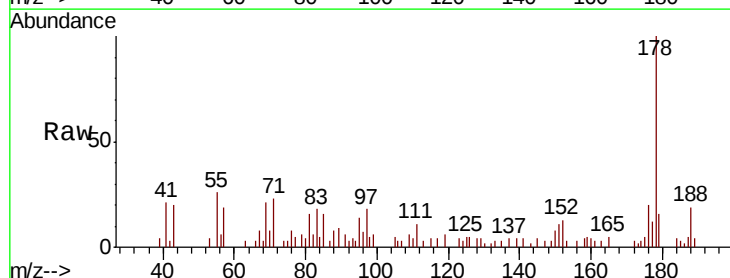


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF1
 Ion 80.00 (79.70 to 80.70): BF1

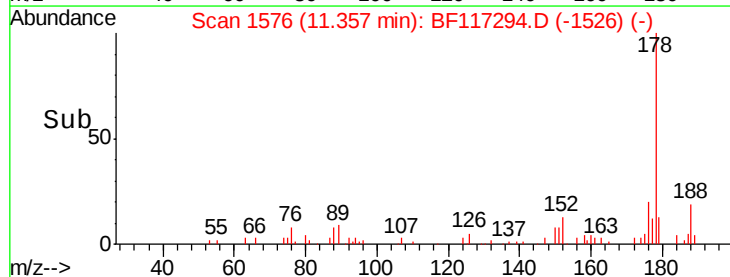
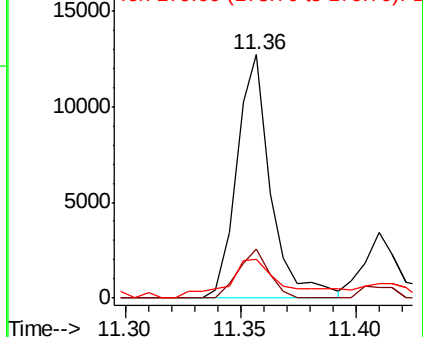


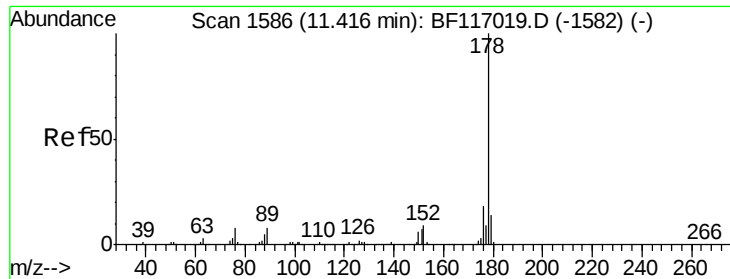
#71
 Phenanthrene
 Concen: 2.391 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF117294.D
 Acq: 2 Oct 2019 12:50

Tgt Ion:178 Resp: 13045
 Ion Ratio Lower Upper
 178 100
 176 20.3 15.4 23.2
 179 15.9 12.4 18.6



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

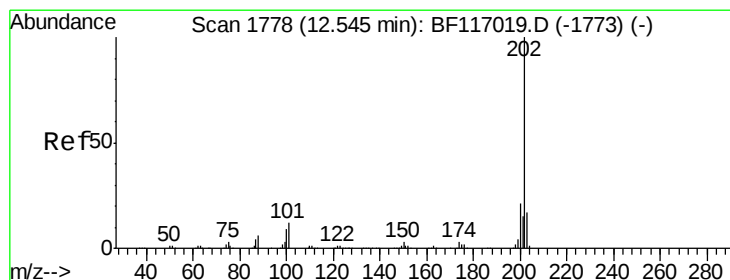
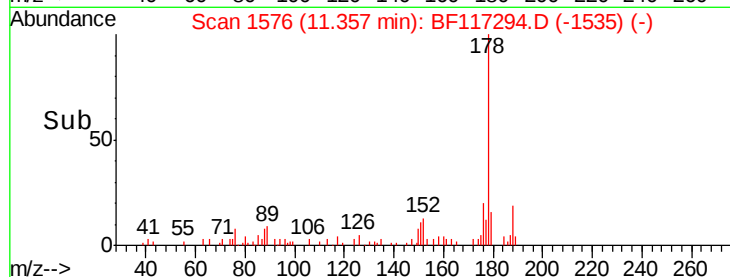
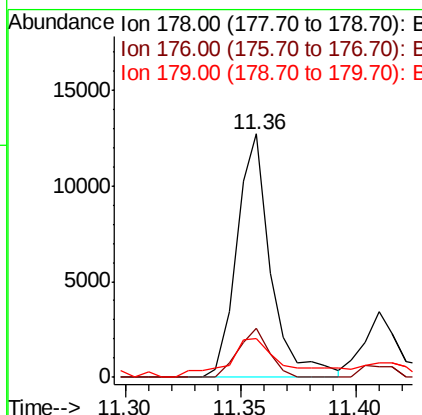
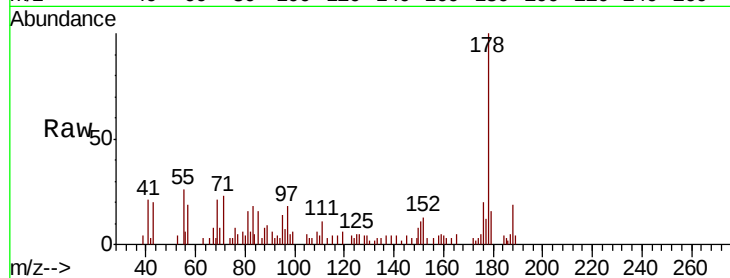




#72
 Anthracene
 Concen: 2.342 ng
 RT: 11.36 min Scan# 1576
 Delta R.T. -0.06 min
 Lab File: BF117294.D
 Acq: 2 Oct 2019 12:50

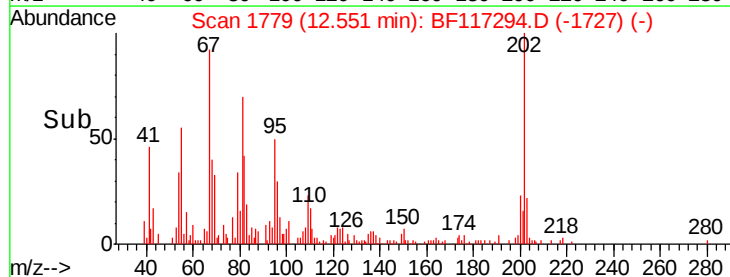
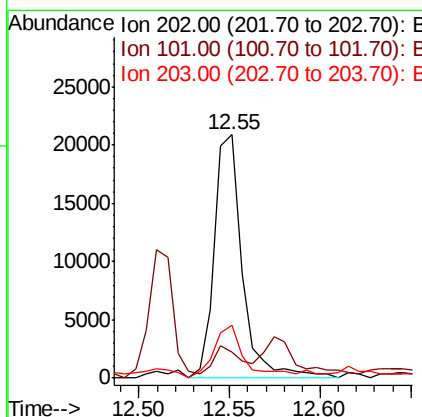
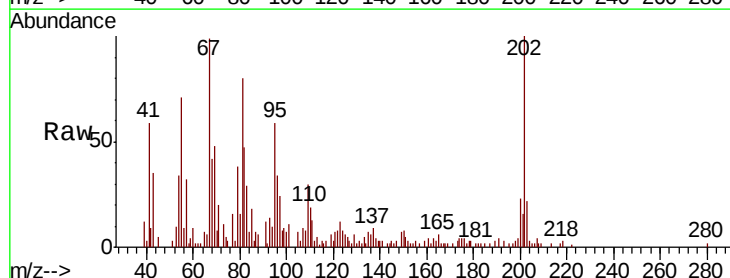
Instrument :
 BNA_F
 ClientSampleId :

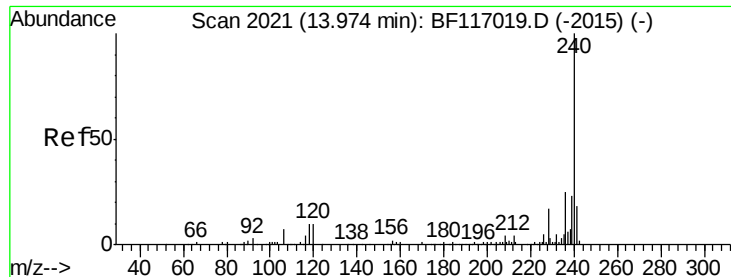
Tot Ion	Ratio	Lower	Upper
178	100		
176	20.3	14.6	21.8
179	15.9	11.6	17.4



#75
 Fluoranthene
 Concen: 4.008 ng
 RT: 12.55 min Scan# 1779
 Delta R.T. 0.01 min
 Lab File: BF117294.D
 Acq: 2 Oct 2019 12:50

Tgt Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	32.3
203	21.6	0.0	37.1

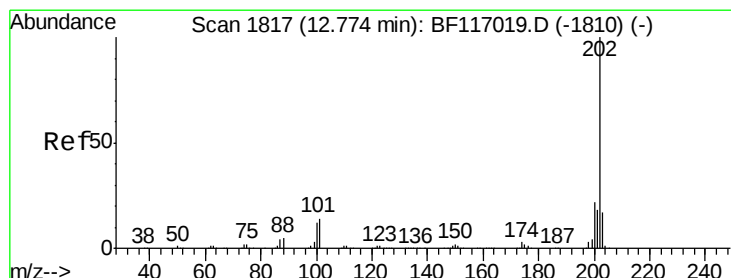
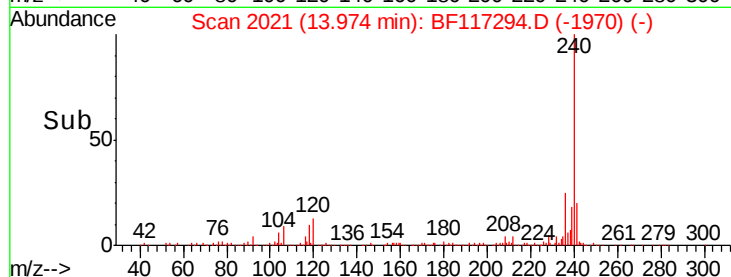
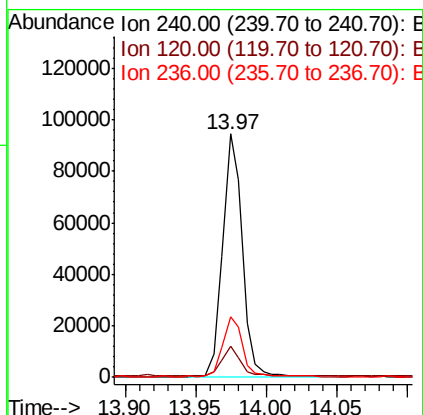
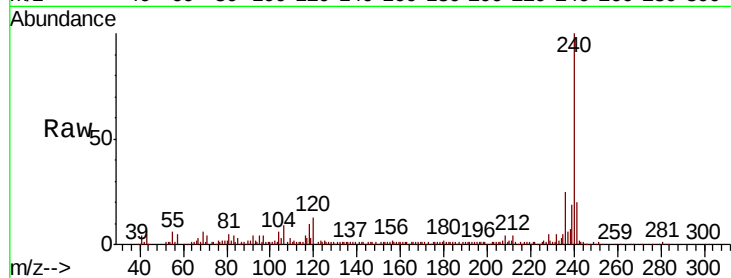




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2021
Delta R.T. 0.00 min
Lab File: BF117294.D
Acq: 2 Oct 2019 12:50

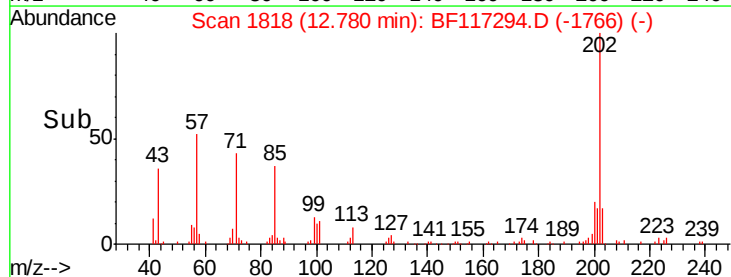
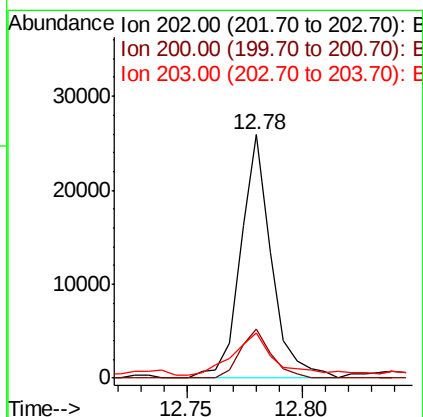
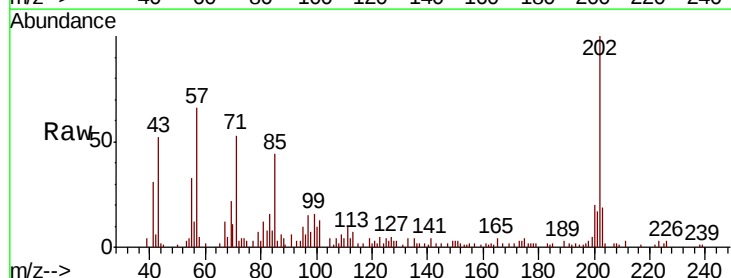
Instrument :
BNA_F
ClientSampleId :

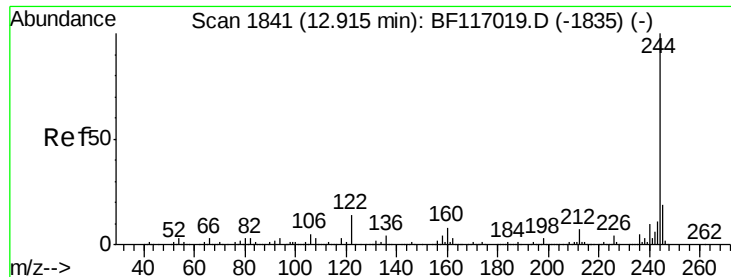
Tot Ion:240 Resp: 92661
Ion Ratio Lower Upper
240 100
120 13.0 8.3 12.5#
236 25.1 20.3 30.5



#78
Pyrene
Concen: 3.106 ng
RT: 12.78 min Scan# 1818
Delta R.T. 0.01 min
Lab File: BF117294.D
Acq: 2 Oct 2019 12:50

Tgt Ion:202 Resp: 24148
Ion Ratio Lower Upper
202 100
200 20.0 17.2 25.8
203 18.6 14.0 21.0

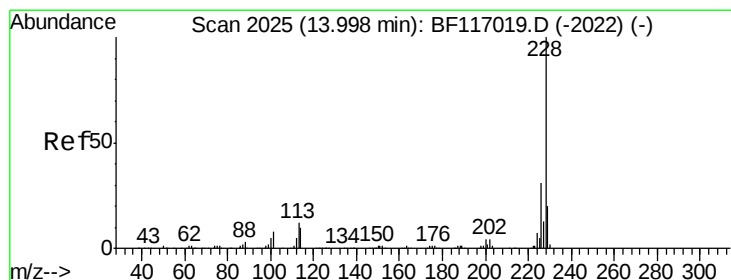
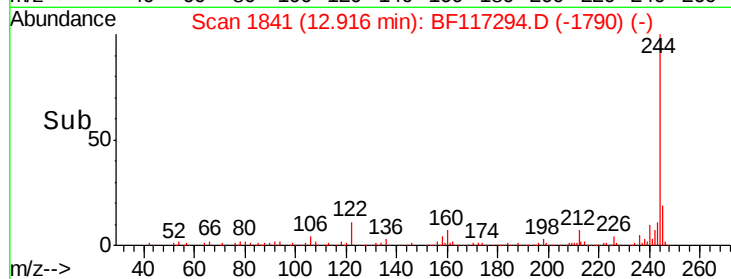
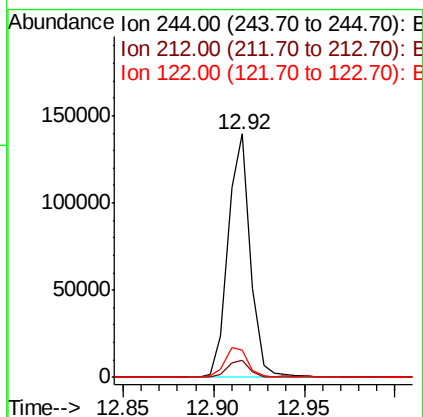
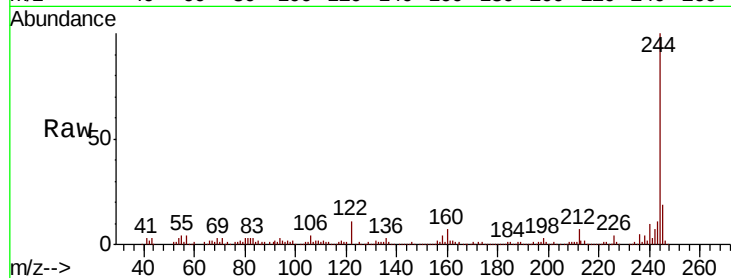




#79
 Terphenyl-d14
 Concen: 24.063 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: BF117294.D
 Acq: 2 Oct 2019 12:50

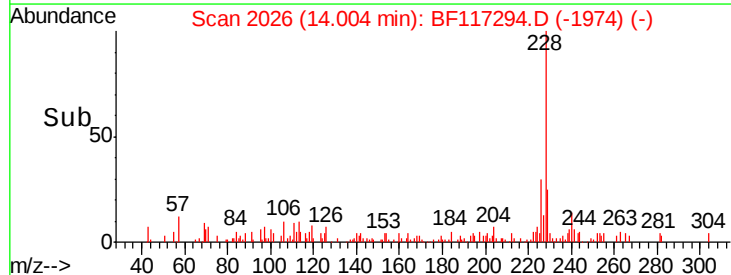
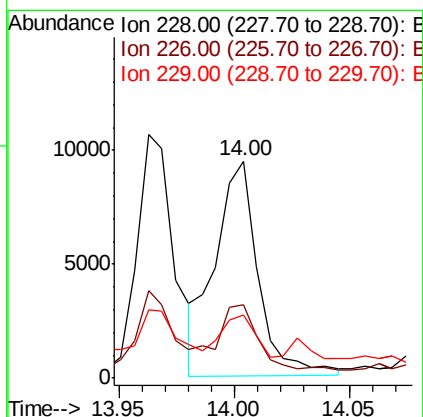
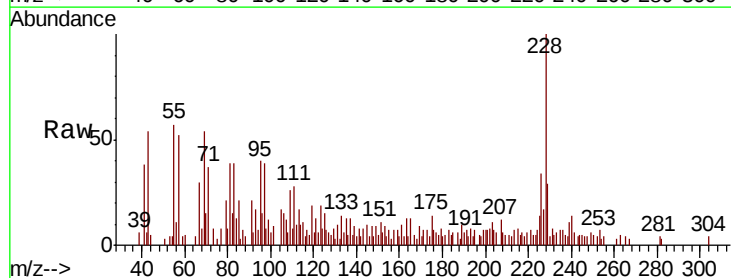
Instrument :
 BNA_F
 ClientSampleId :

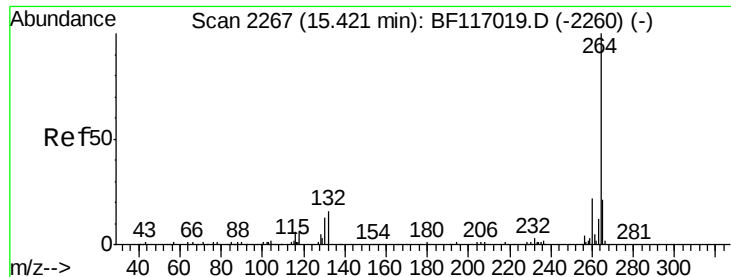
Tot Ion:244 Resp: 119283
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.8
 122 11.3 11.3 16.9#



#83
 Chrysene
 Concen: 2.046 ng
 RT: 14.00 min Scan# 2026
 Delta R.T. 0.01 min
 Lab File: BF117294.D
 Acq: 2 Oct 2019 12:50

Tgt Ion:228 Resp: 12352
 Ion Ratio Lower Upper
 228 100
 226 33.7 24.8 37.2
 229 29.3 15.8 23.8#

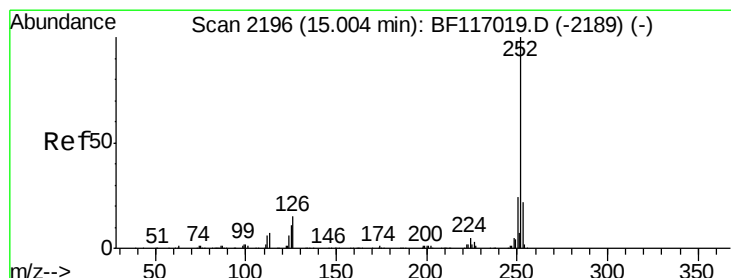
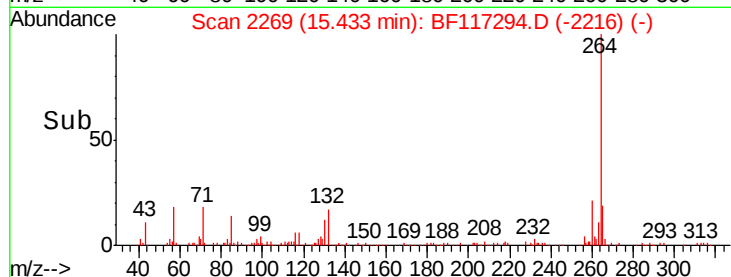
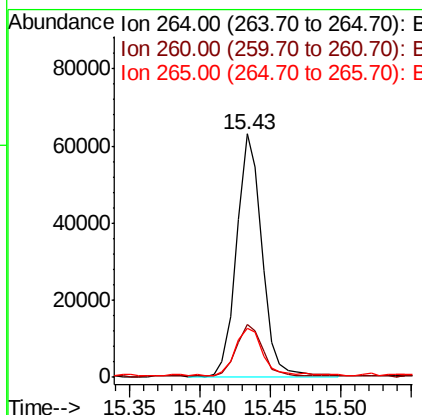
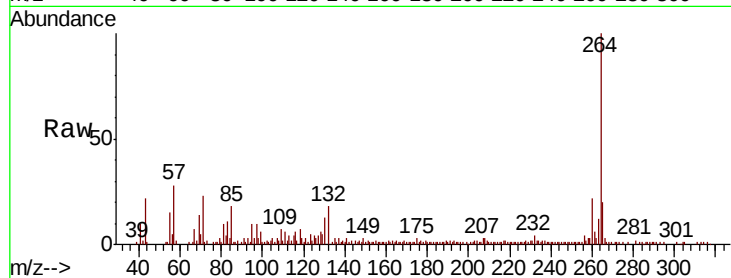




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.43 min Scan# 2269
Delta R.T. 0.01 min
Lab File: BF117294.D
Acq: 2 Oct 2019 12:50

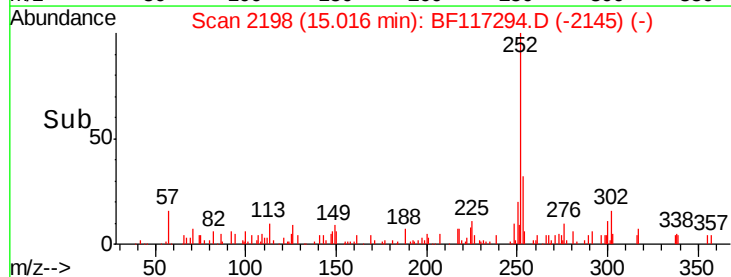
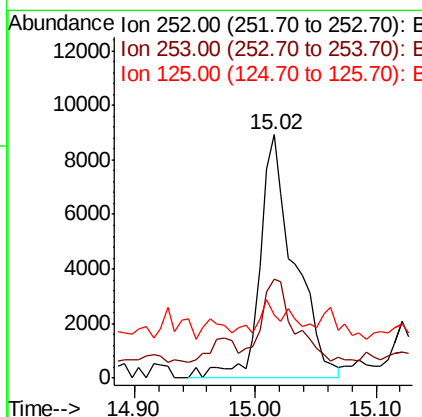
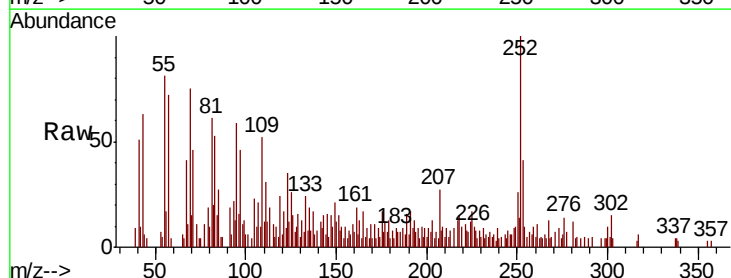
Instrument :
BNA_F
ClientSampleId :

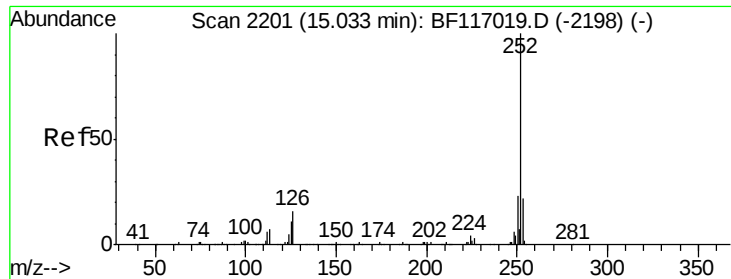
Tot Ion:264 Resp: 80008
Ion Ratio Lower Upper
264 100
260 21.7 17.6 26.4
265 20.0 16.6 24.8



#88
Benzo(b)fluoranthene
Concen: 3.656 ng
RT: 15.02 min Scan# 2198
Delta R.T. 0.01 min
Lab File: BF117294.D
Acq: 2 Oct 2019 12:50

Tgt Ion:252 Resp: 17717
Ion Ratio Lower Upper
252 100
253 40.7 17.6 26.4#
125 26.0 8.6 12.8#





#89

Benzo(k)fluoranthene

Concen: 3.859 ng

RT: 15.02 min Scan# 2198

Delta R.T. -0.02 min

Lab File: BF117294.D

Acq: 2 Oct 2019 12:50

Instrument :

BNA_F

ClientSampleId :

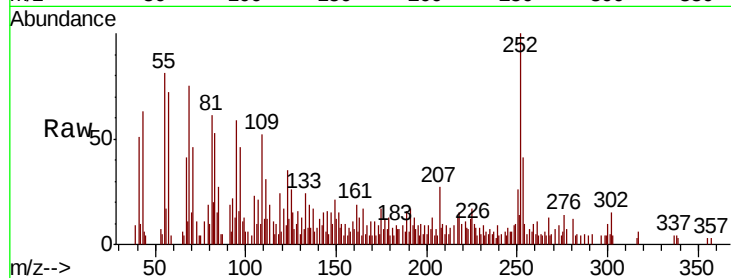
Tot Ion:252 Resp: 17717

Ion Ratio Lower Upper

252 100

253 40.7 17.4 26.2#

125 26.0 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

