

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081719\
 Data File : BF116368.D
 Acq On : 17 Aug 2019 20:07
 Operator : HP/JU
 Sample : K4223-05
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Aug 19 05:56:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF073019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Aug 07 11:13:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	137239	20.00	ng	-0.04
21) Naphthalene-d8	8.09	136	520454	20.00	ng	-0.04
39) Acenaphthene-d10	9.84	164	258607	20.00	ng	-0.05
64) Phenanthrene-d10	11.33	188	393945	20.00	ng	-0.04
76) Chrysene-d12	13.97	240	252675	20.00	ng	-0.04
87) Perylene-d12	15.43	264	279619	20.00	ng	-0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	930320	113.48	ng	-0.03
7) Phenol-d6	6.46	99	1193608	115.40	ng	-0.03
23) Nitrobenzene-d5	7.37	82	754768	83.71	ng	-0.04
42) 2,4,6-Tribromophenol	10.63	330	276234	110.17	ng	-0.04
45) 2-Fluorobiphenyl	9.16	172	1078482	78.11	ng	-0.04
79) Terphenyl-d14	12.90	244	853445	71.17	ng	-0.05
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.37	70	102643	16.014	ng	# 78
25) Isophorone	7.37	82	754759	43.778	ng	# 65
50) Dimethylphthalate	9.56	163	254236	14.438	ng	# 98
57) 2,4-Dinitrotoluene	9.84	165	34417	6.755	ng	# 21
67) 4-Bromophenyl-phenylether	10.63	248	16671	3.953	ng	# 1
71) Phenanthrene	11.35	178	61651	3.061	ng	# 99
75) Fluoranthene	12.55	202	100679	4.775	ng	# 98
78) Pyrene	12.77	202	82790	4.347	ng	# 98
81) Benzo(a)anthracene	13.96	228	36405	2.254	ng	# 94
83) Chrysene	14.00	228	39639	2.528	ng	# 95
88) Benzo(b)fluoranthene	15.01	252	67658	4.185	ng	# 81
89) Benzo(k)fluoranthene	15.01	252	67658	4.296	ng	# 80
90) Benzo(a)pyrene	15.37	252	32598	2.255	ng	# 91

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

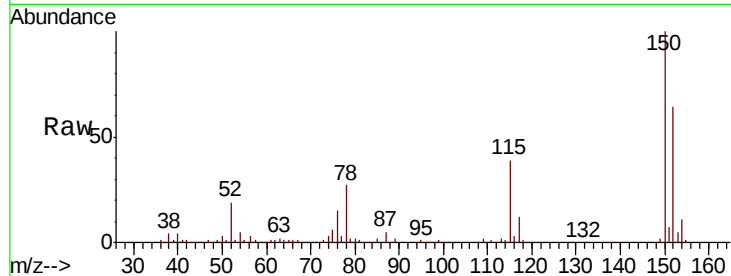


#1

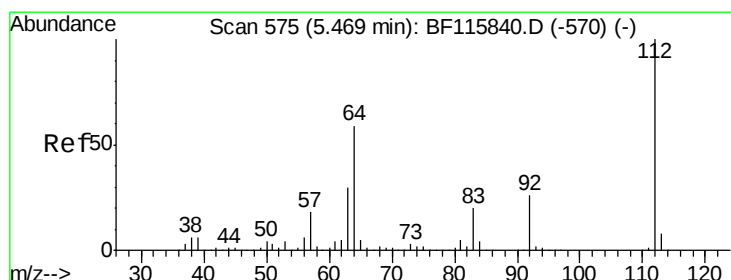
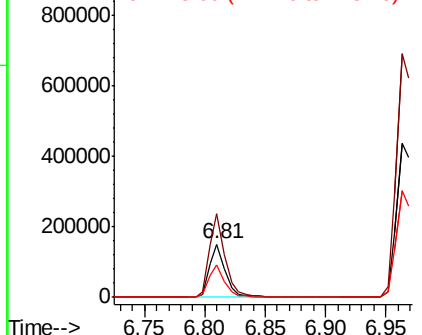
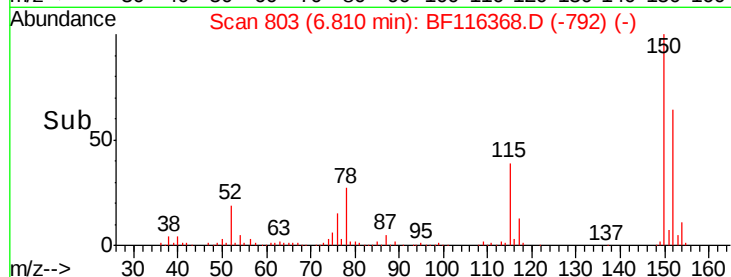
1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.81 min Scan# 803
 Delta R.T. -0.04 min
 Lab File: BF116368.D
 Acq: 17 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampled :

Tot Ion:152 Resp: 137239
 Ion Ratio Lower Upper
 152 100
 150 155.3 126.2 189.2
 115 60.9 49.9 74.9



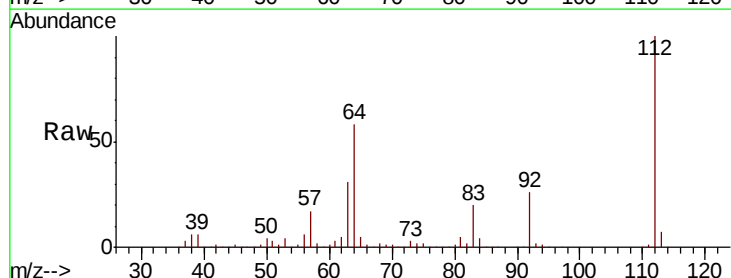
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



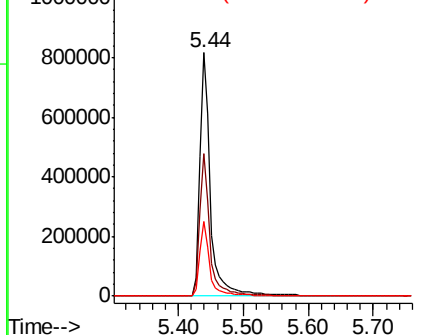
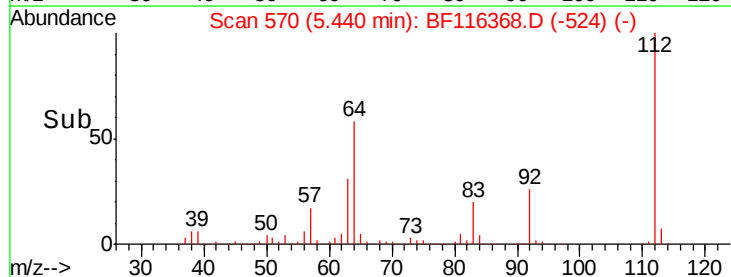
#5

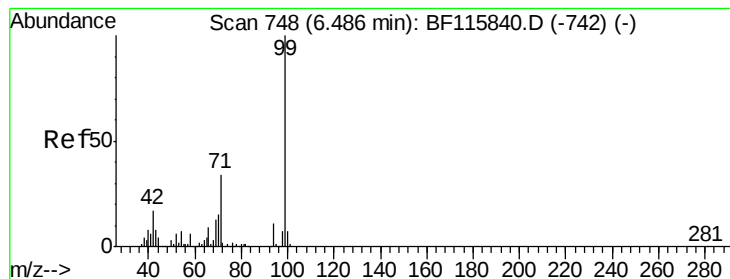
2-Fluorophenol
 Concen: 113.482 ng
 RT: 5.44 min Scan# 570
 Delta R.T. -0.03 min
 Lab File: BF116368.D
 Acq: 17 Aug 2019 20:07

Tgt Ion:112 Resp: 930320
 Ion Ratio Lower Upper
 112 100
 64 58.4 45.4 68.2
 63 30.5 23.7 35.5



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: 115.400 ng

RT: 6.46 min Scan# 743

Delta R.T. -0.03 min

Lab File: BF116368.D

Acq: 17 Aug 2019 20:07

Instrument :

BNA_F

ClientSampled :

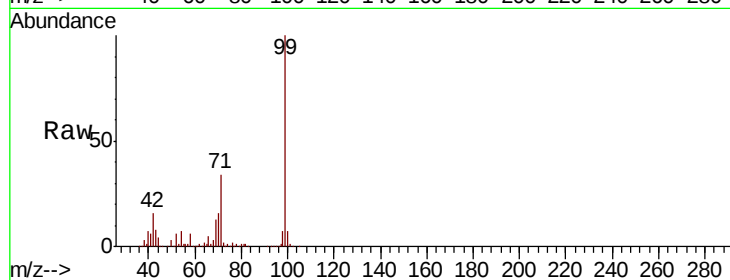
Tot Ion: 99 Resp: 1193608

Ion Ratio Lower Upper

99 100

42 16.5 13.8 20.8

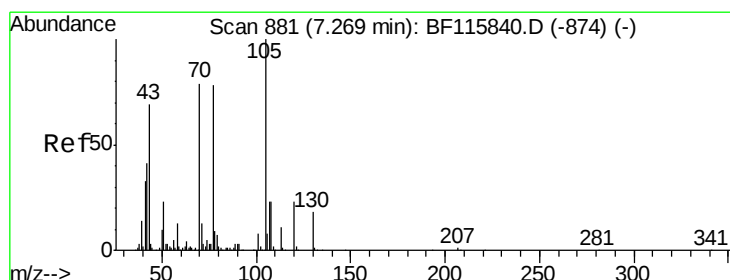
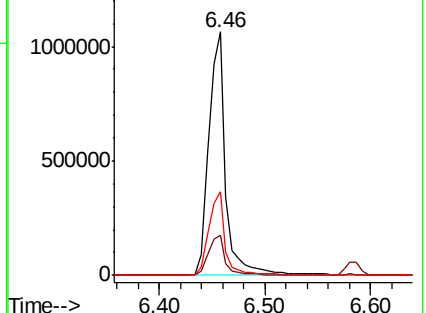
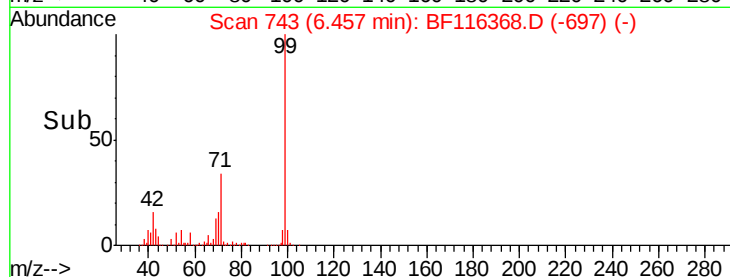
71 34.3 27.3 40.9



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: 16.014 ng

RT: 7.37 min Scan# 899

Delta R.T. 0.11 min

Lab File: BF116368.D

Acq: 17 Aug 2019 20:07

Tgt Ion: 70 Resp: 102643

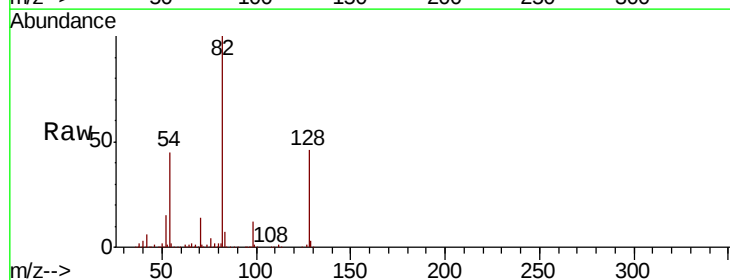
Ion Ratio Lower Upper

70 100

42 42.0 40.9 61.3

101 0.0 7.9 11.9#

130 2.3 16.9 25.3#

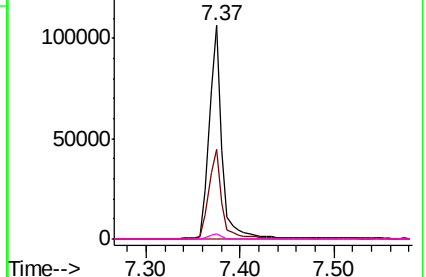
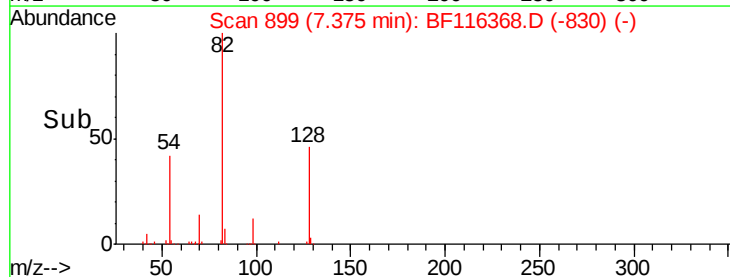


Abundance Ion 70.00 (69.70 to 70.70): BF1

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

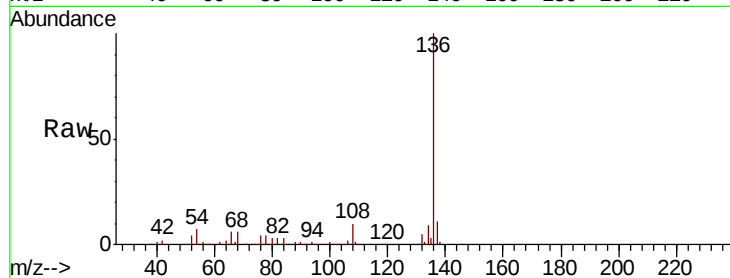




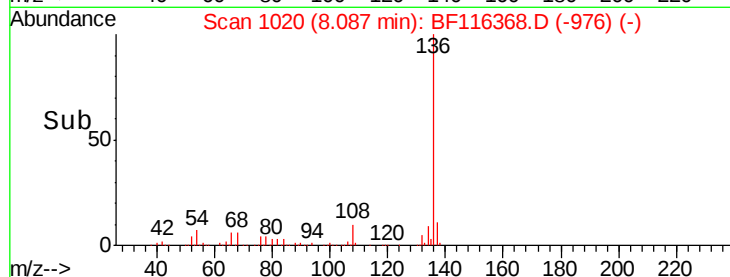
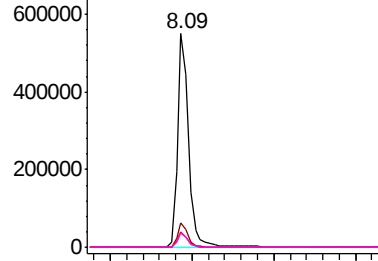
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.04 min
Lab File: BF116368.D
Acq: 17 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	520454
Ion	Ratio	Lower Upper
136	100	
137	11.2	9.0 13.4
54	7.4	5.8 8.6
68	6.5	5.2 7.8

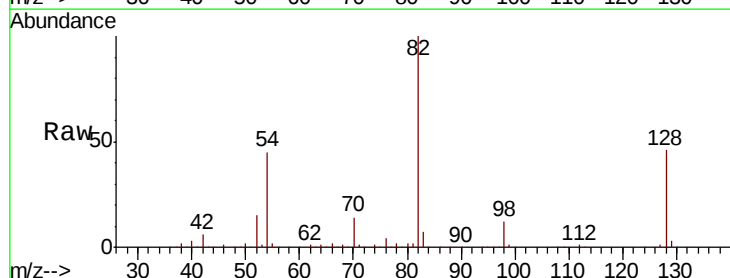


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

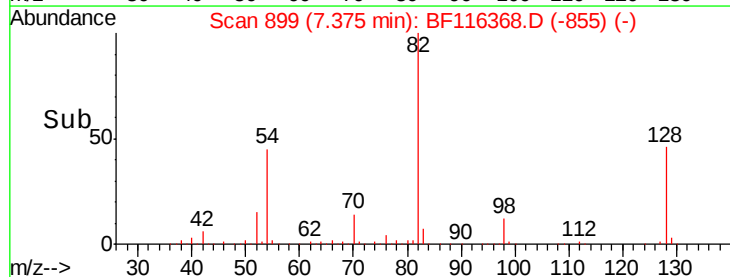
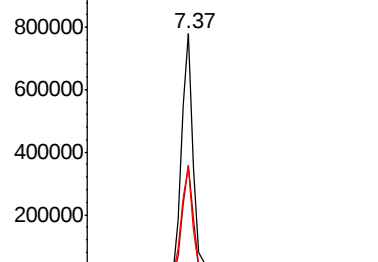


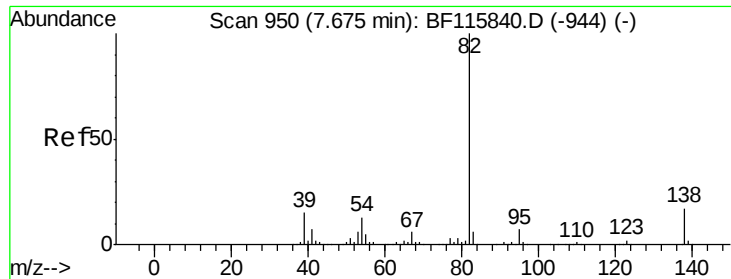
#23
Nitrobenzene-d5
Concen: 83.711 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.04 min
Lab File: BF116368.D
Acq: 17 Aug 2019 20:07

Tgt Ion: 82	Resp:	754768
Ion	Ratio	Lower Upper
82	100	
128	45.9	36.5 54.7
54	45.2	36.0 54.0



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: 43.778 ng

RT: 7.37 min Scan# 899

Delta R.T. -0.30 min

Lab File: BF116368.D

Acq: 17 Aug 2019 20:07

Instrument :

BNA_F

ClientSampleId :

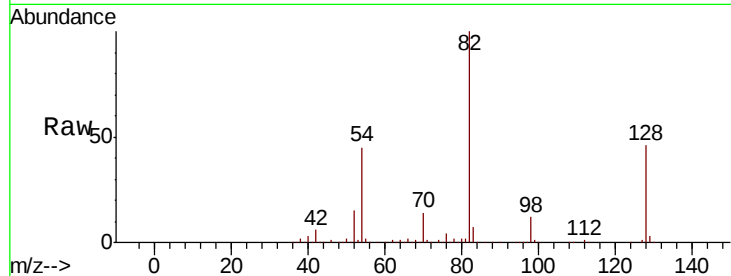
Tot Ion: 82 Resp: 754759

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.0#

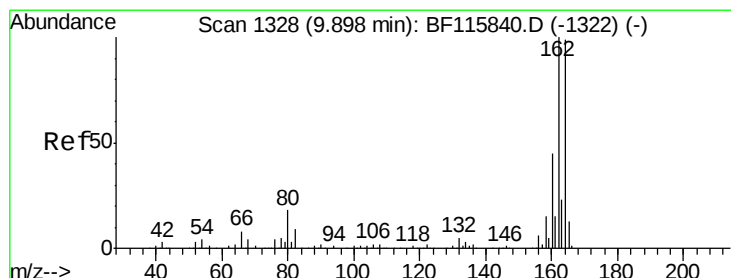
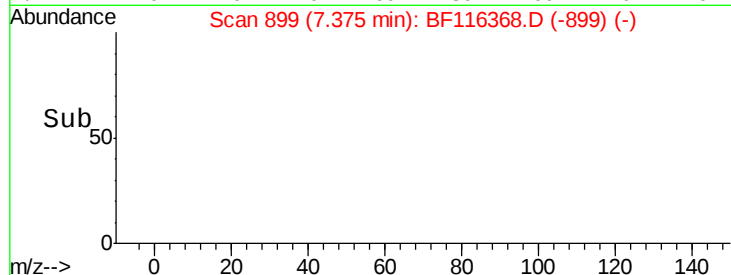
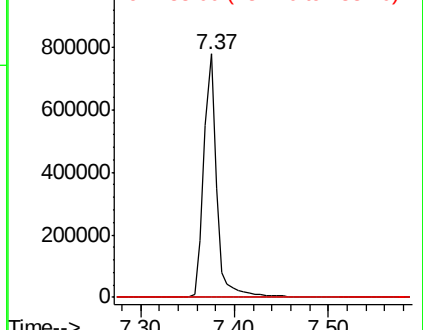
138 0.0 14.5 21.7#



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: 20.000 ng

RT: 9.84 min Scan# 1318

Delta R.T. -0.05 min

Lab File: BF116368.D

Acq: 17 Aug 2019 20:07

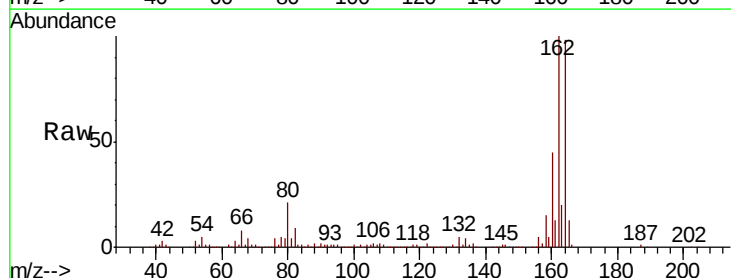
Tgt Ion:164 Resp: 258607

Ion Ratio Lower Upper

164 100

162 102.5 82.6 124.0

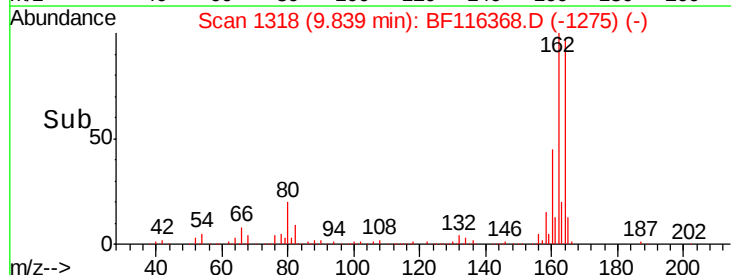
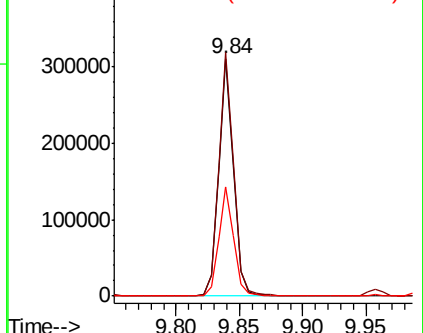
160 46.1 37.6 56.4



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

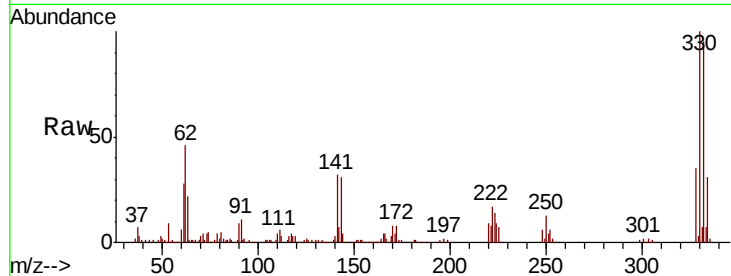




#42
 2,4,6-Tribromophenol
 Concen: 110.173 ng
 RT: 10.63 min Scan# 1453
 Delta R.T. -0.04 min
 Lab File: BF116368.D
 Acq: 17 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	94.7	76.8	115.2
141	33.3	26.3	39.5

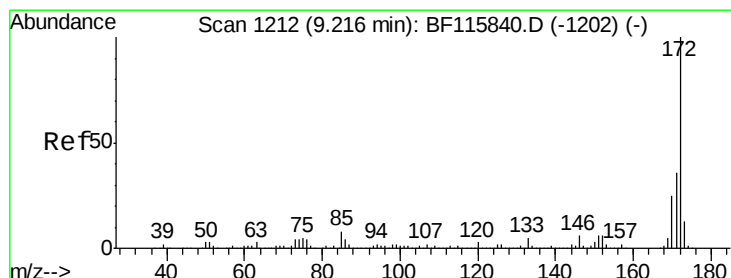
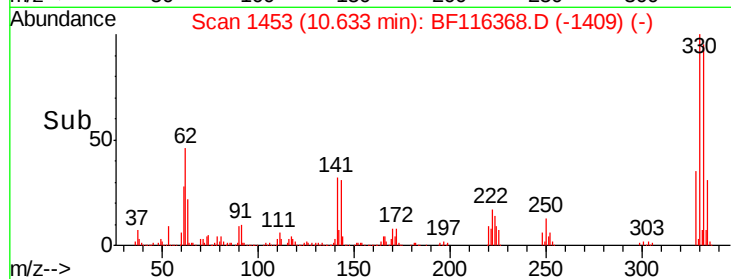
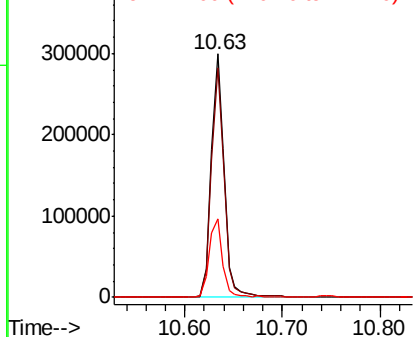


Abundance

Ion 329.80 (329.50 to 330.50): E

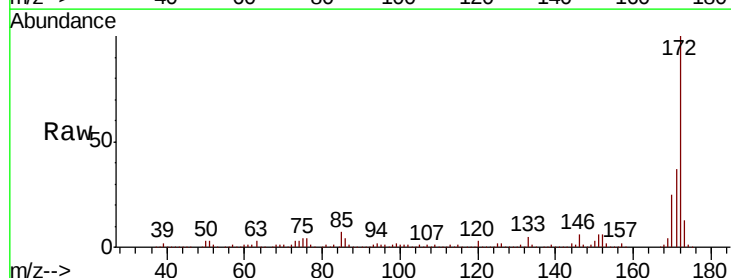
Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E



#45
 2-Fluorobiphenyl
 Concen: 78.114 ng
 RT: 9.16 min Scan# 1203
 Delta R.T. -0.04 min
 Lab File: BF116368.D
 Acq: 17 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.6	44.4
170	25.0	20.1	30.1

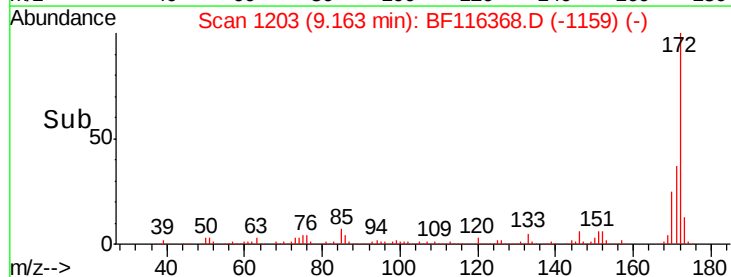
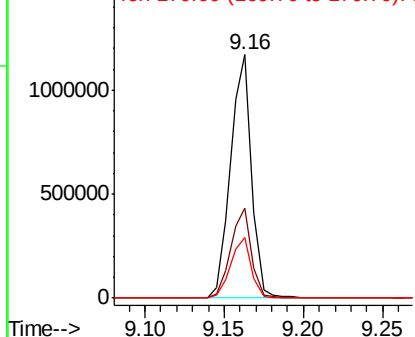


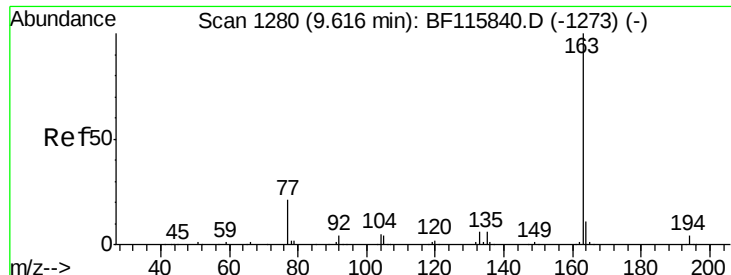
Abundance

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

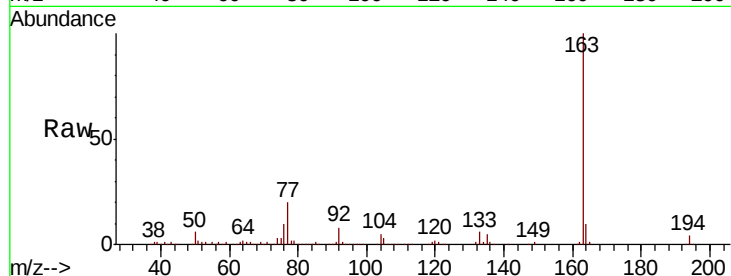




#50
Dimethylphthalate
Concen: 14.438 ng
RT: 9.56 min Scan# 1270
Delta R.T. -0.05 min
Lab File: BF116368.D
Acq: 17 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	9.7	8.4	12.6

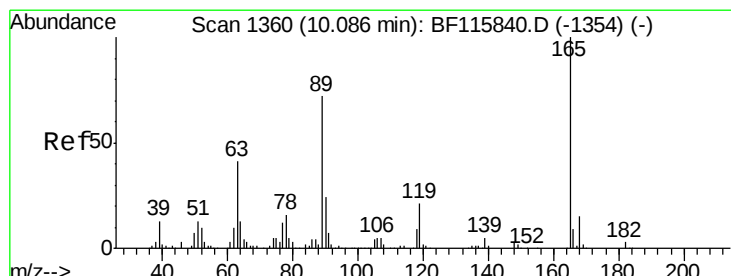
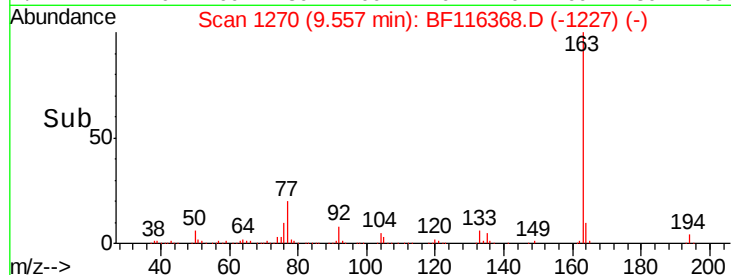
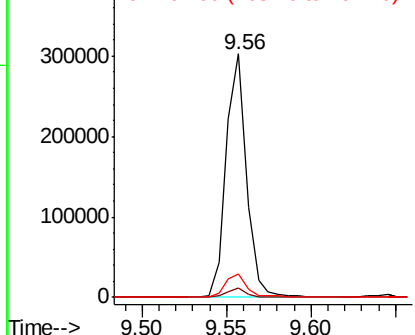


Abundance

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: 6.755 ng
RT: 9.84 min Scan# 1318
Delta R.T. -0.24 min
Lab File: BF116368.D
Acq: 17 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.8	39.6	59.4#
89	1.6	62.2	93.2#
182	0.0	2.1	3.1#

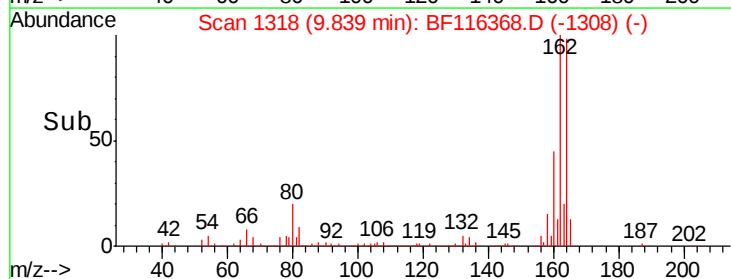
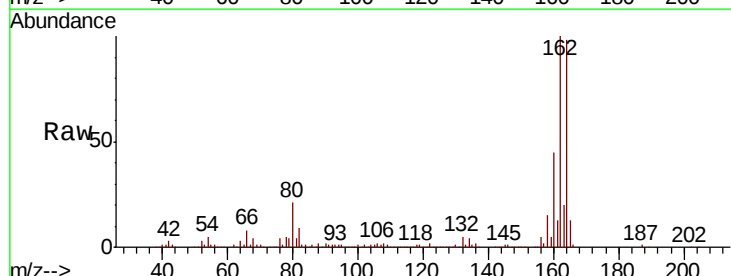
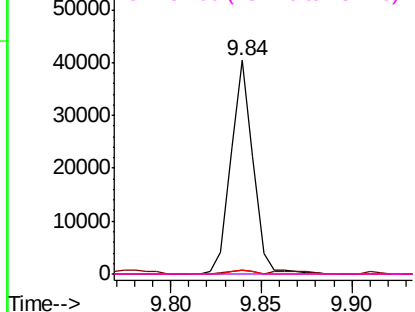
Abundance

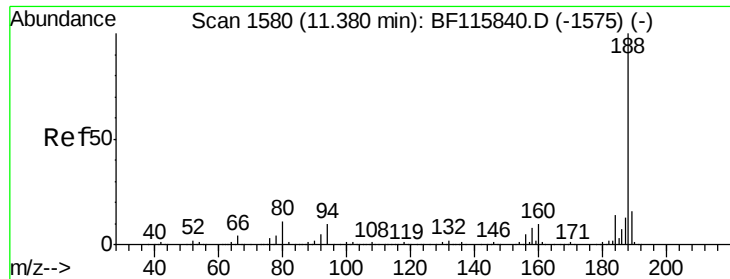
Ion 165.00 (164.70 to 165.70): E

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

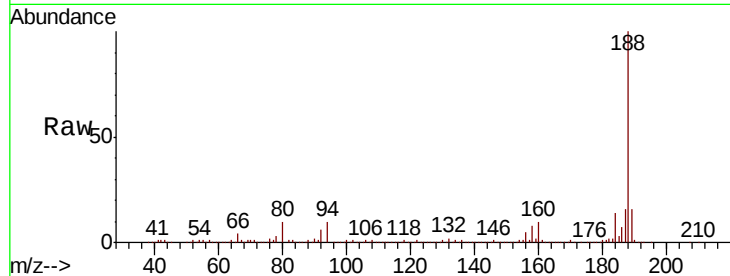




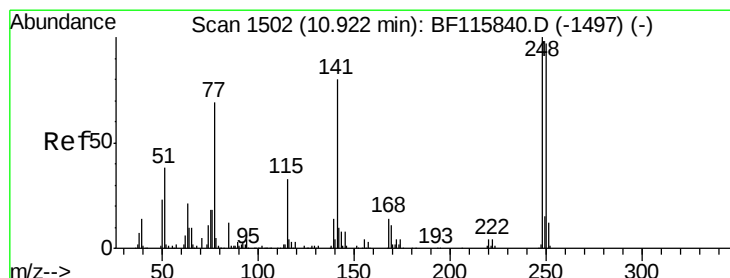
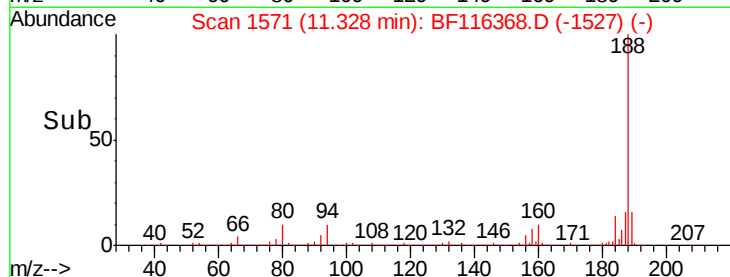
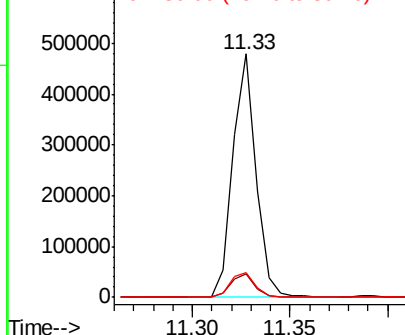
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. -0.04 min
Lab File: BF116368.D
Acq: 17 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion:188 Resp: 393945
Ion Ratio Lower Upper
188 100
94 9.8 8.1 12.1
80 10.3 8.7 13.1

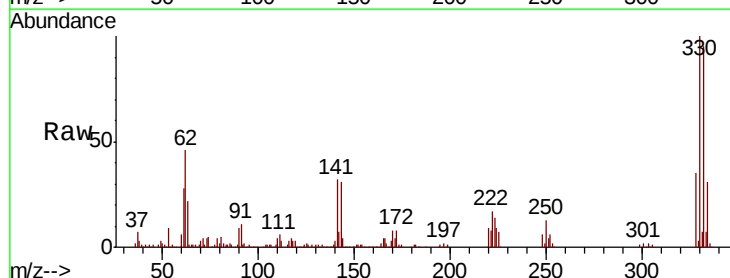


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

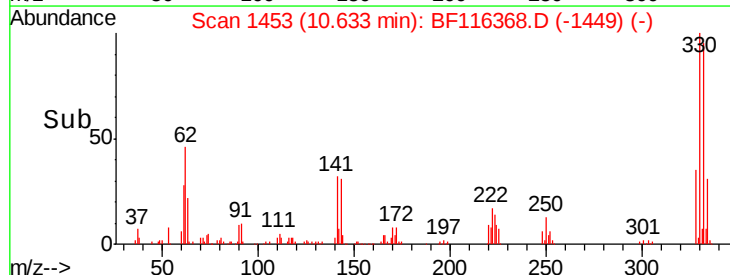
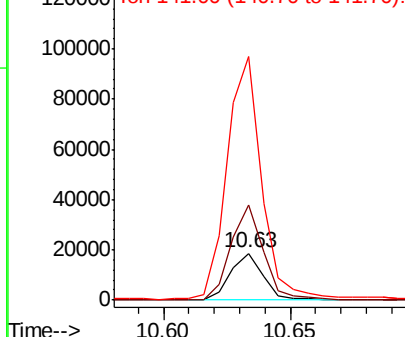


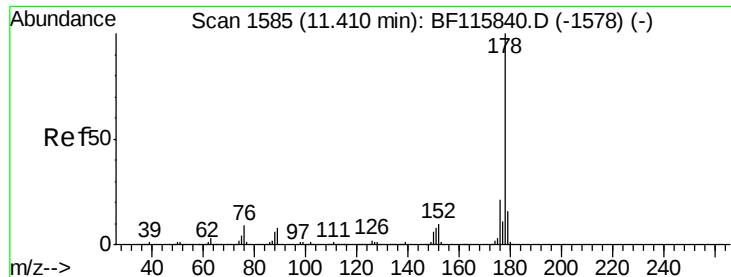
#67
4-Bromophenyl-phenylether
Concen: 3.953 ng
RT: 10.63 min Scan# 1453
Delta R.T. -0.28 min
Lab File: BF116368.D
Acq: 17 Aug 2019 20:07

Tgt Ion:248 Resp: 16671
Ion Ratio Lower Upper
248 100
250 205.0 77.4 116.2#
141 522.4 56.8 85.2#



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

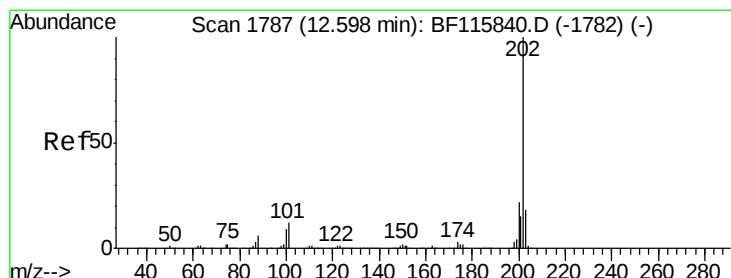
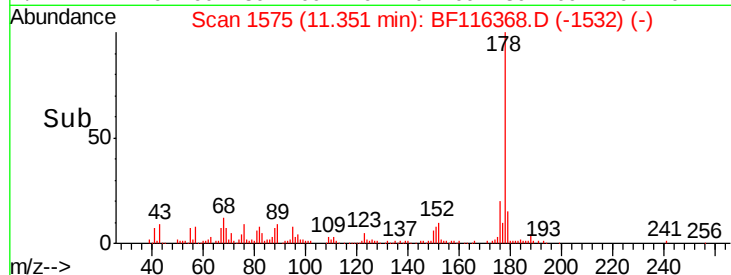
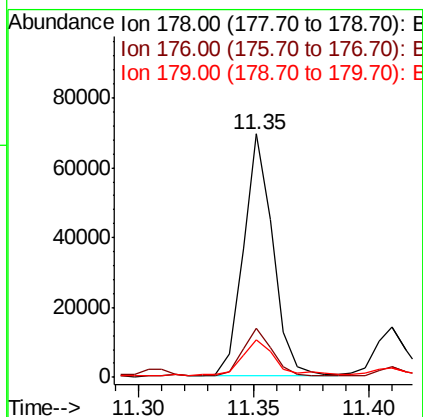
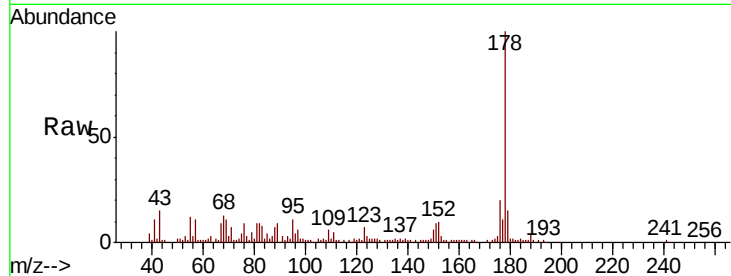




#71
Phenanthrene
Concen: 3.061 ng
RT: 11.35 min Scan# 1575
Delta R.T. -0.05 min
Lab File: BF116368.D
Acq: 17 Aug 2019 20:07

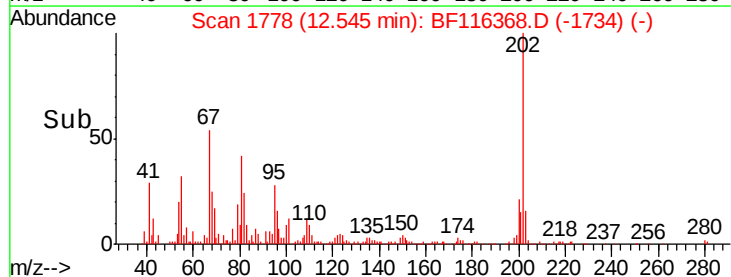
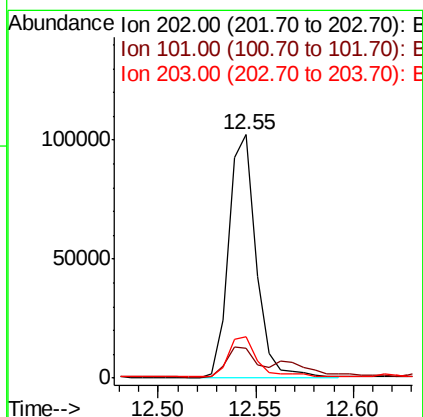
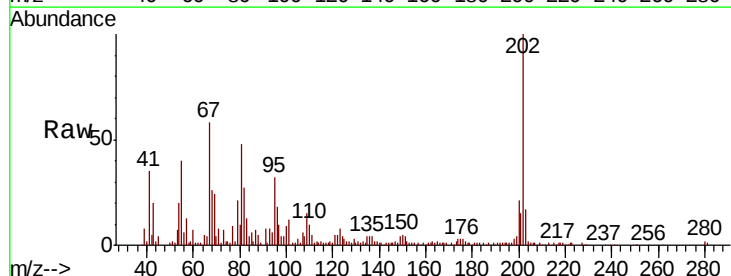
Instrument :
BNA_F
ClientSampleId :

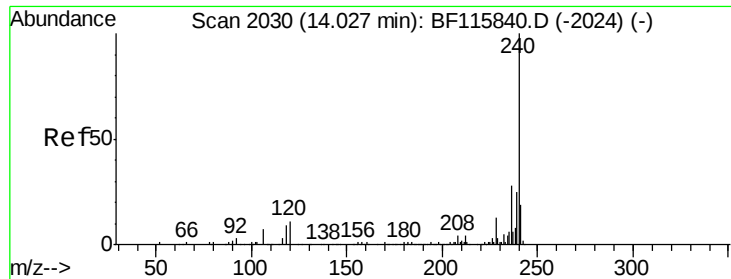
Tot Ion:178 Resp: 61651
Ion Ratio Lower Upper
178 100
176 20.0 16.6 24.8
179 15.5 12.5 18.7



#75
Fluoranthene
Concen: 4.775 ng
RT: 12.55 min Scan# 1778
Delta R.T. -0.04 min
Lab File: BF116368.D
Acq: 17 Aug 2019 20:07

Tgt Ion:202 Resp: 100679
Ion Ratio Lower Upper
202 100
101 12.2 0.0 31.2
203 17.0 0.0 37.8

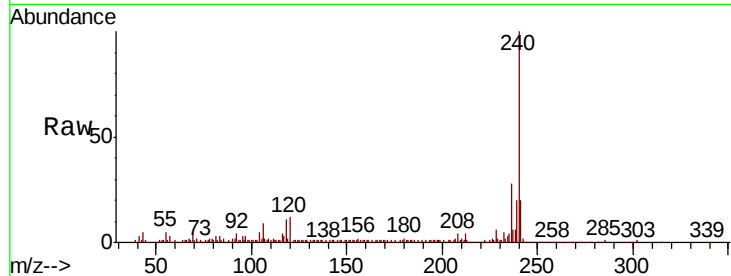




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.97 min Scan# 2020
Delta R.T. -0.04 min
Lab File: BF116368.D
Acq: 17 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
240	100		
120	12.4	10.7	16.1
236	27.5	22.2	33.2

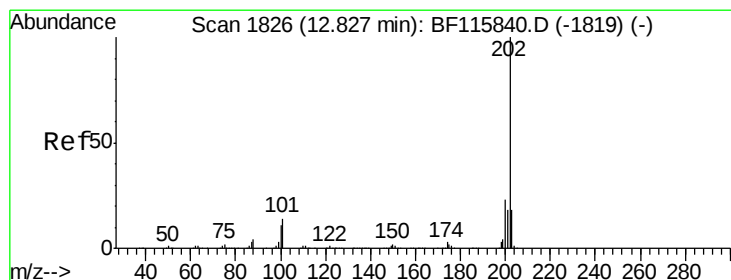
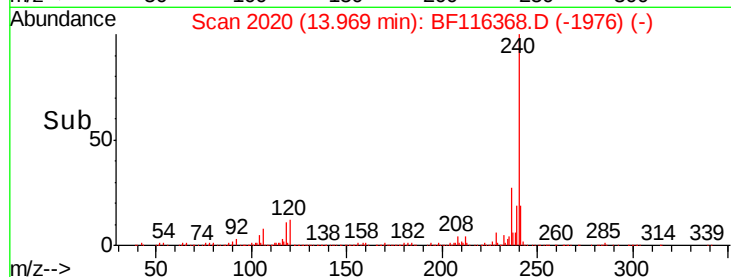
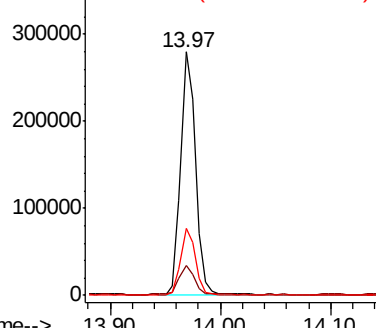


Abundance

Ion 240.00 (239.70 to 240.70): E

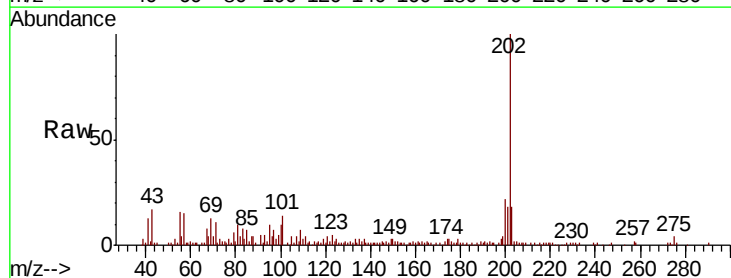
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#78
Pyrene
Concen: 4.347 ng
RT: 12.77 min Scan# 1817
Delta R.T. -0.04 min
Lab File: BF116368.D
Acq: 17 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.7	18.0	27.0
203	18.2	14.1	21.1

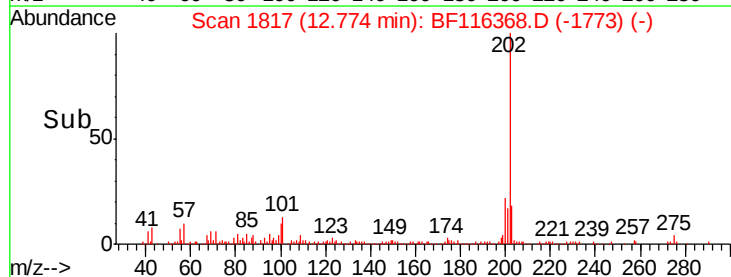
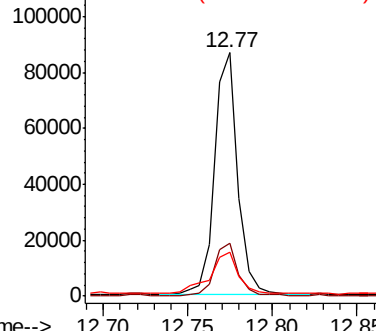


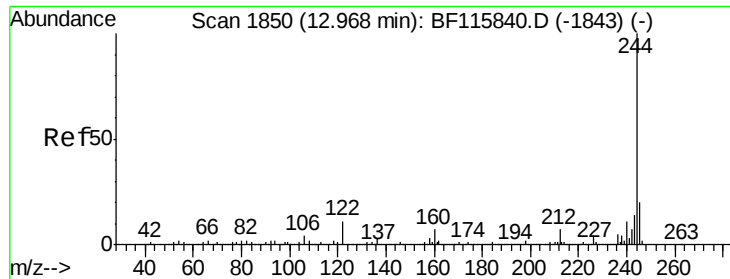
Abundance

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

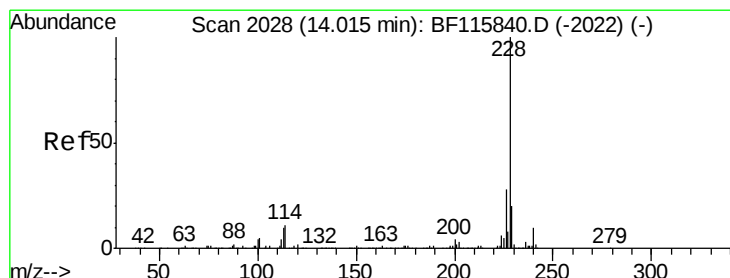
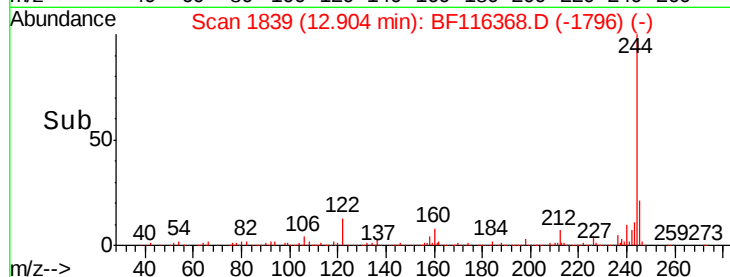
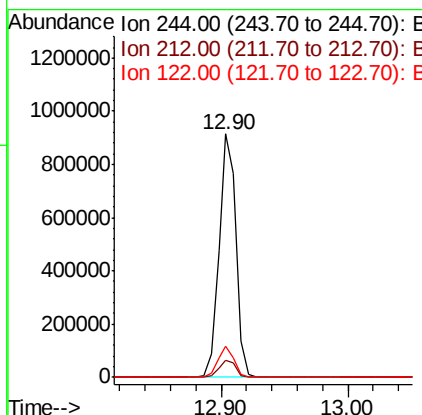
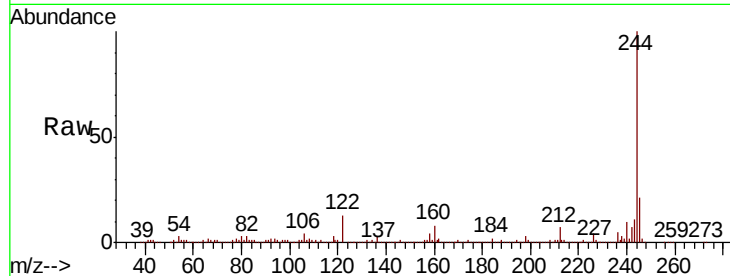




#79
 Terphenyl-d14
 Concen: 71.172 ng
 RT: 12.90 min Scan# 1839
 Delta R.T. -0.05 min
 Lab File: BF116368.D
 Acq: 17 Aug 2019 20:07

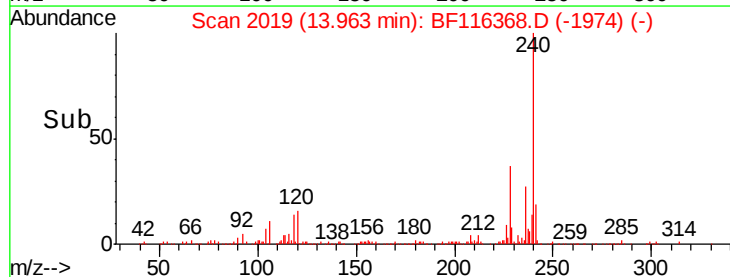
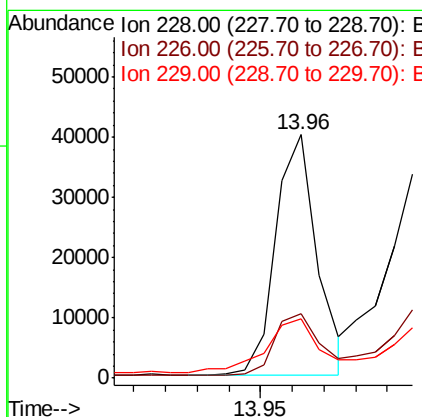
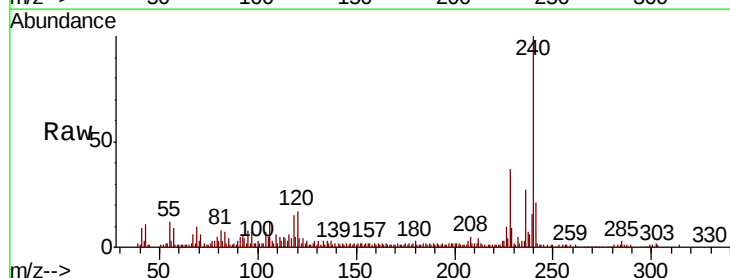
Instrument :
 BNA_F
 ClientSampleId :

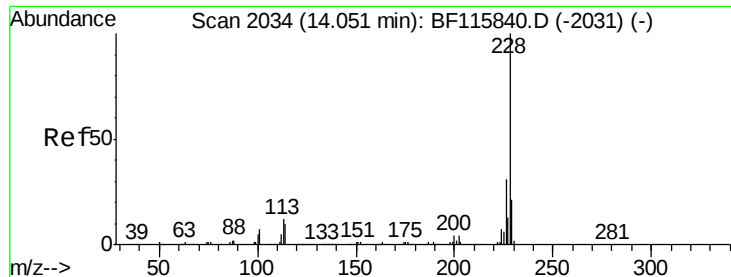
Tot Ion:244 Resp: 853445
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 12.8 9.0 13.4



#81
 Benzo(a)anthracene
 Concen: 2.254 ng
 RT: 13.96 min Scan# 2019
 Delta R.T. -0.04 min
 Lab File: BF116368.D
 Acq: 17 Aug 2019 20:07

Tgt Ion:228 Resp: 36405
 Ion Ratio Lower Upper
 228 100
 226 26.5 22.7 34.1
 229 24.5 16.2 24.4#





#83

Chrysene

Concen: 2.528 ng

RT: 14.00 min Scan# 2025

Delta R.T. -0.04 min

Lab File: BF116368.D

Acq: 17 Aug 2019 20:07

Instrument :

BNA_F

ClientSampleId :

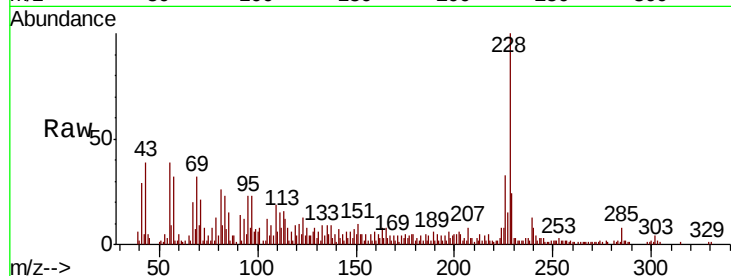
Tot Ion:228 Resp: 39639

Ion Ratio Lower Upper

228 100

226 33.4 25.5 38.3

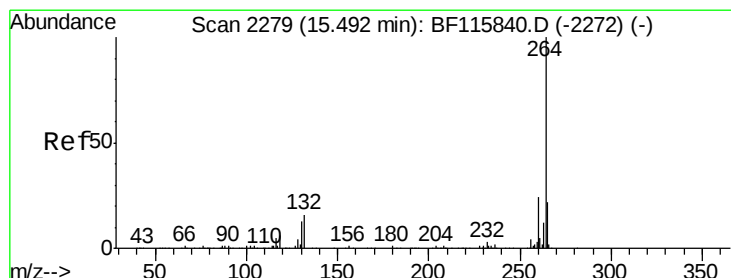
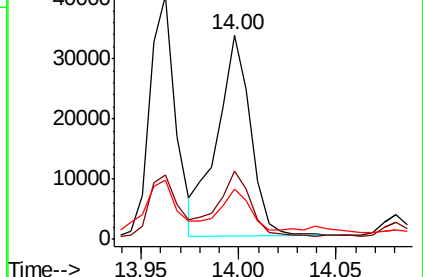
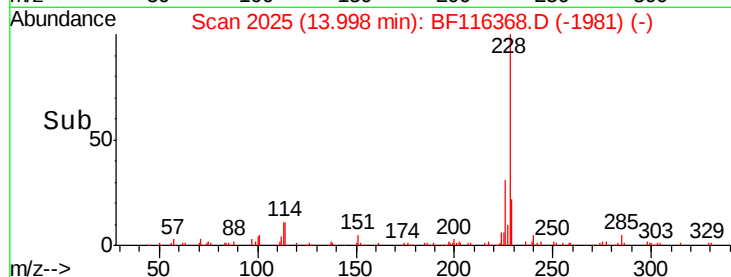
229 24.4 16.6 24.8



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: 20.000 ng

RT: 15.43 min Scan# 2268

Delta R.T. -0.05 min

Lab File: BF116368.D

Acq: 17 Aug 2019 20:07

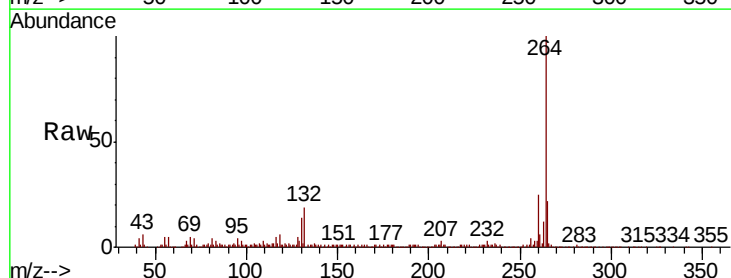
Tgt Ion:264 Resp: 279619

Ion Ratio Lower Upper

264 100

260 25.2 19.7 29.5

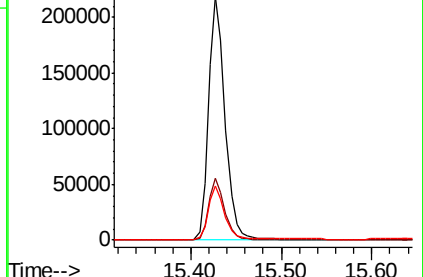
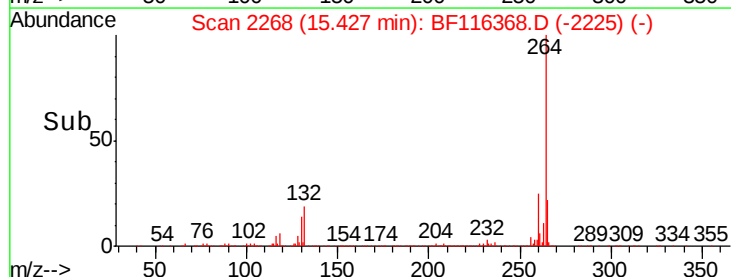
265 22.0 17.4 26.0

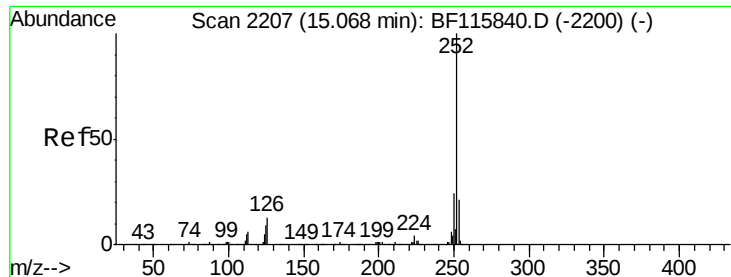


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

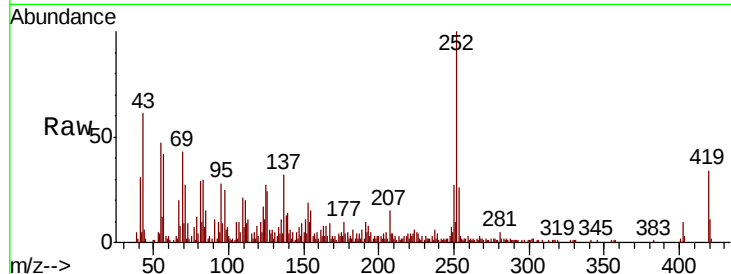




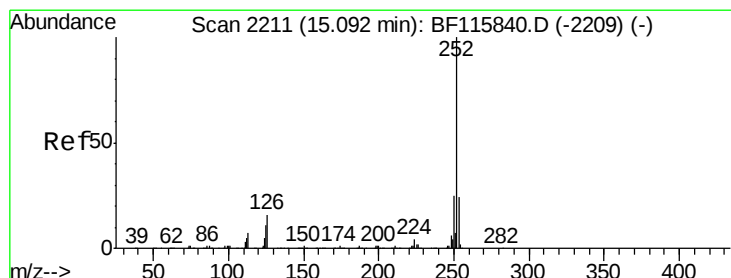
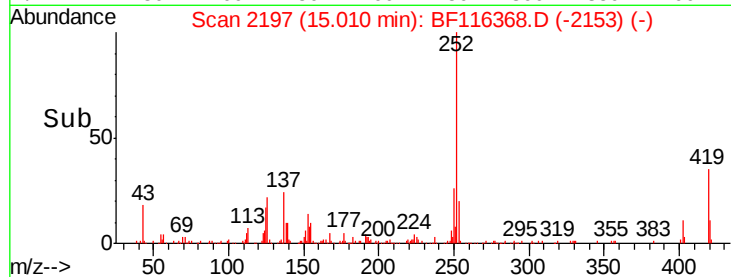
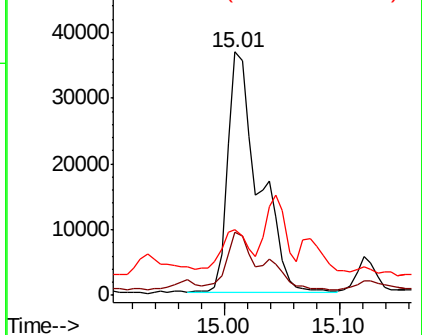
#88
Benzo(b)fluoranthene
Concen: 4.185 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.04 min
Lab File: BF116368.D
Acq: 17 Aug 2019 20:07

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.8	26.8
125	26.8	8.4	12.6

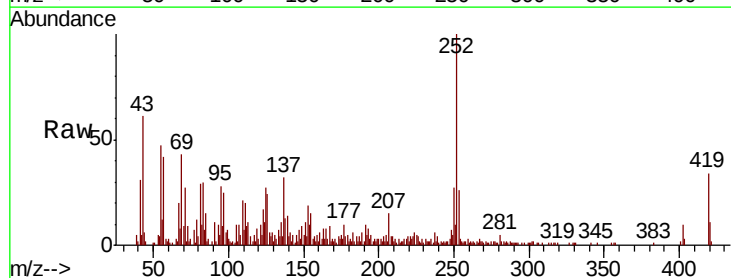


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

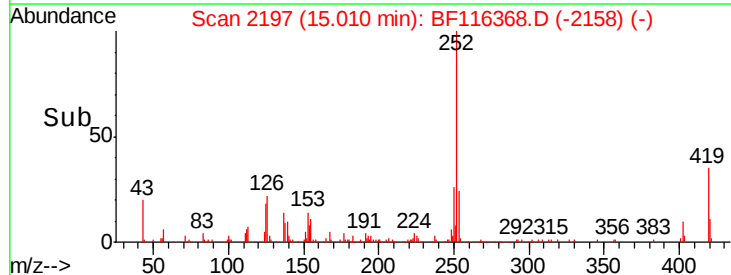
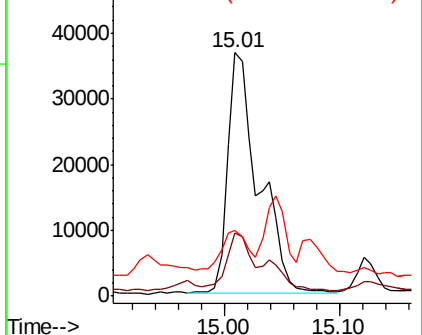


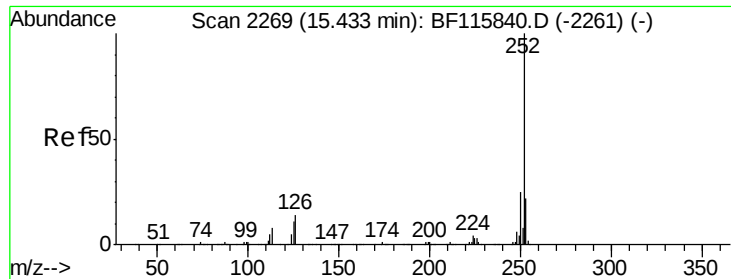
#89
Benzo(k)fluoranthene
Concen: 4.296 ng
RT: 15.01 min Scan# 2197
Delta R.T. -0.07 min
Lab File: BF116368.D
Acq: 17 Aug 2019 20:07

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.8	26.8
125	26.8	7.7	11.5



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

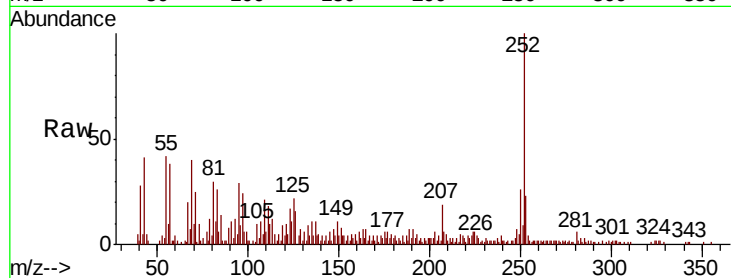




#90
 Benzo(a)pyrene
 Concen: 2.255 ng
 RT: 15.37 min Scan# 2259
 Delta R.T. -0.04 min
 Lab File: BF116368.D
 Acq: 17 Aug 2019 20:07

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.0	27.0
125	21.5	8.9	13.3



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

