

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF090119\
 Data File : BF116755.D
 Acq On : 1 Sep 2019 20:57
 Operator : HP/JU
 Sample : K4546-12
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Sep 02 05:27:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF083019.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Aug 30 20:02:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.85	152	75556	20.00	ng	0.00
21) Naphthalene-d8	8.13	136	326565	20.00	ng	0.00
39) Acenaphthene-d10	9.88	164	188715	20.00	ng	0.00
64) Phenanthrene-d10	11.36	188	335204	20.00	ng	0.00
76) Chrysene-d12	13.99	240	221897	20.00	ng	0.00
87) Perylene-d12	15.44	264	217022	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	469378	100.64	ng	0.00
7) Phenol-d6	6.47	99	647859	105.79	ng	0.00
23) Nitrobenzene-d5	7.40	82	378826	66.22	ng	0.00
42) 2,4,6-Tribromophenol	10.66	330	118737	94.12	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	613230	54.82	ng	0.00
79) Terphenyl-d14	12.94	244	636132	53.03	ng	-0.01

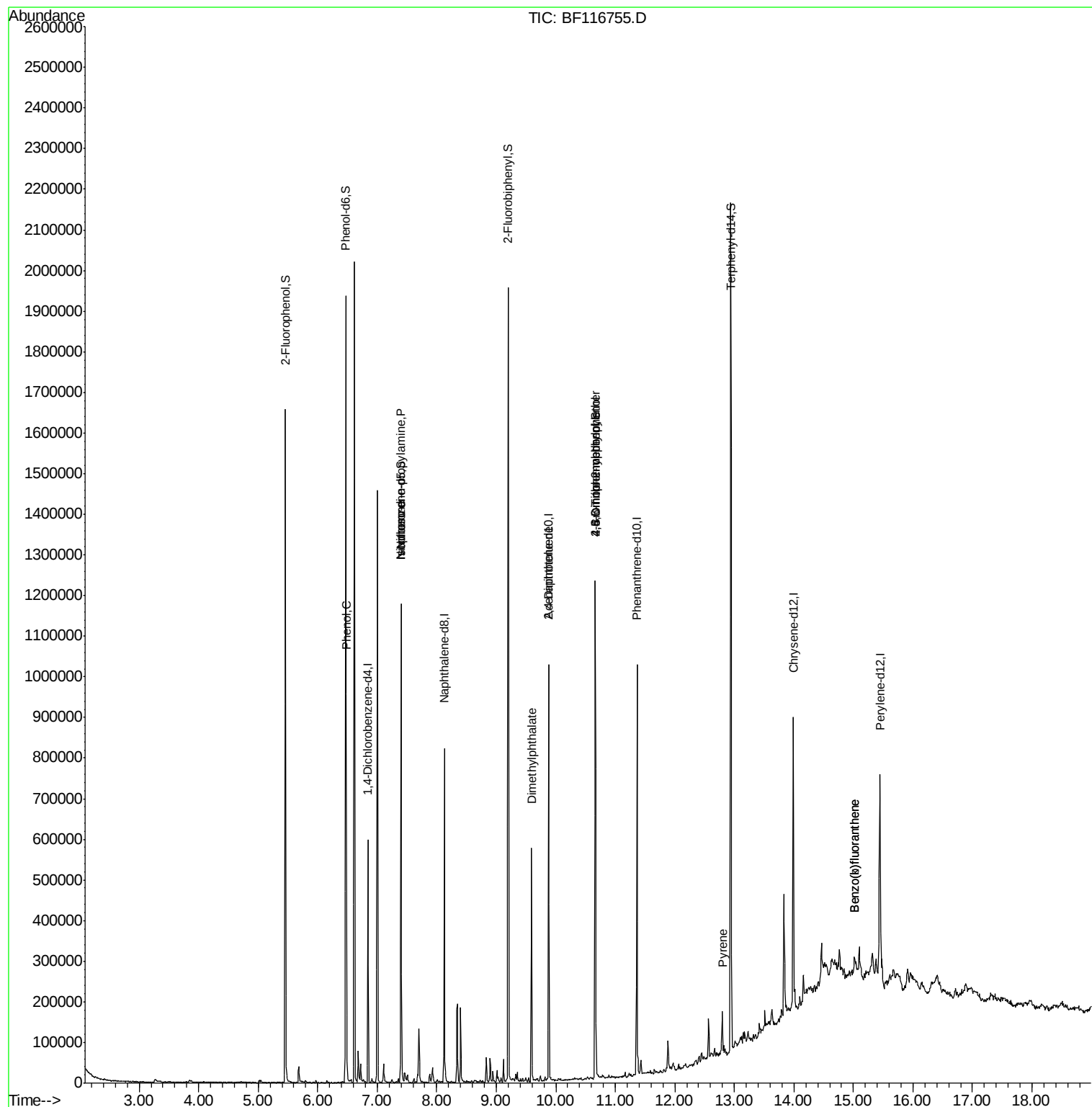
Target Compounds				Qvalue		
10) Phenol	6.49	94	18663	2.752	ng	96
19) n-Nitroso-di-n-propylamine	7.40	70	49684	12.322	ng	# 72
25) Isophorone	7.40	82	378823	32.681	ng	# 66
50) Dimethylphthalate	9.59	163	199385	15.303	ng	98
57) 2,4-Dinitrotoluene	9.88	165	24023	7.904	ng	# 22
65) 4,6-Dinitro-2-methylphenol	10.66	198	169	7.567	ng	# 1
67) 4-Bromophenyl-phenylether	10.66	248	8011	2.353	ng	# 1
78) Pyrene	12.80	202	39544	2.005	ng	98
88) Benzo(b)fluoranthene	15.02	252	29545	2.252	ng	# 76
89) Benzo(k)fluoranthene	15.02	252	29545	2.470	ng	# 76

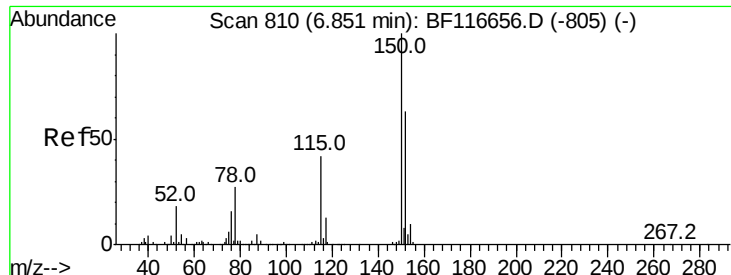
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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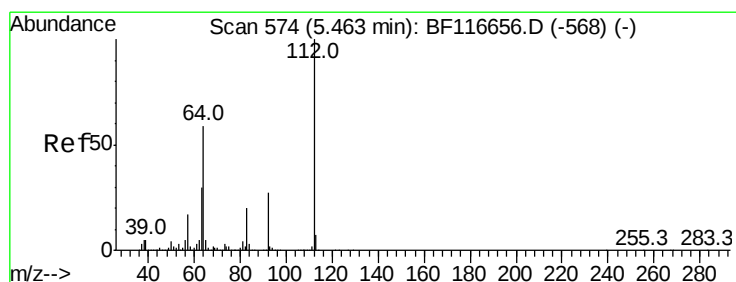
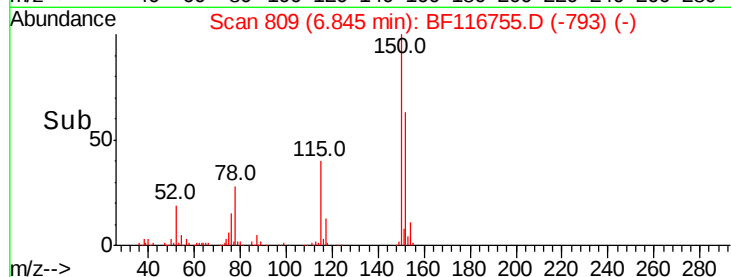
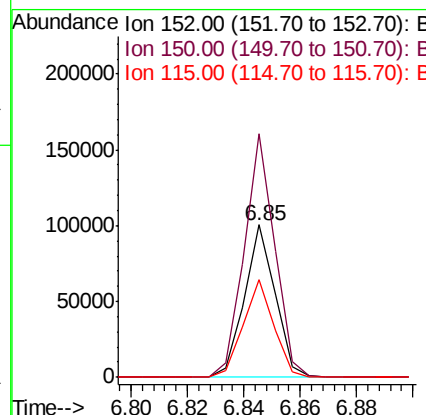
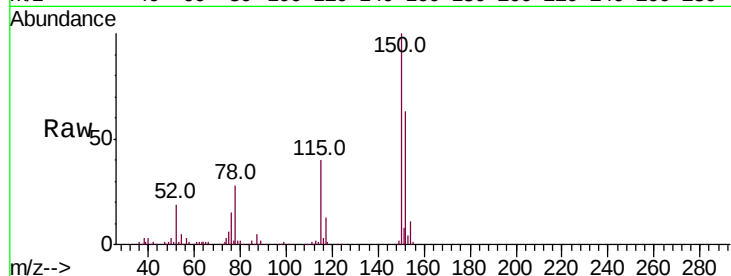


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.85 min Scan# 809
Delta R.T. -0.01 min
Lab File: BF116755.D
Acq: 1 Sep 2019 20:57

Instrument :
BNA_F
ClientSampleId :

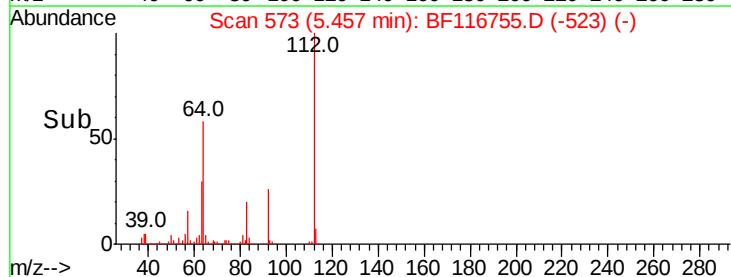
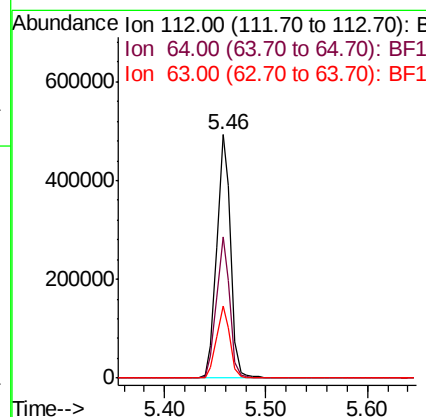
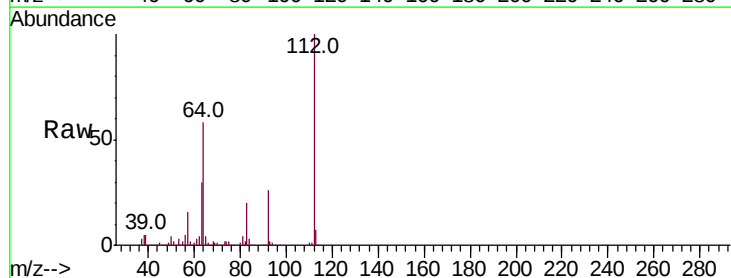
Tot Ion	Ratio	Lower	Upper
152	100		
150	159.5	124.4	186.6
115	64.2	49.9	74.9



#5

2-Fluorophenol
Concen: 100.643 ng
RT: 5.46 min Scan# 573
Delta R.T. -0.01 min
Lab File: BF116755.D
Acq: 1 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
112	100		
64	57.9	47.1	70.7
63	29.5	24.9	37.3





#7

Phenol-d6

Concen: 105.789 ng

RT: 6.47 min Scan# 746

Delta R.T. -0.01 min

Lab File: BF116755.D

Acq: 1 Sep 2019 20:57

Instrument :

BNA_F

ClientSampled :

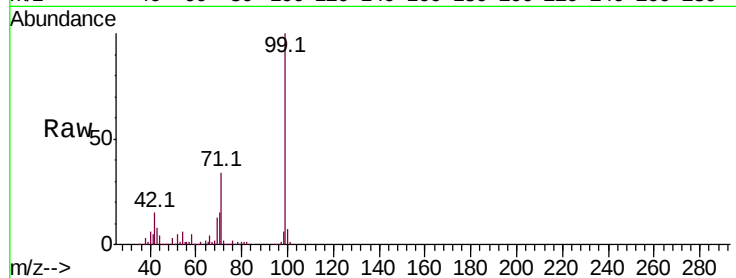
Tot Ion: 99 Resp: 647859

Ion Ratio Lower Upper

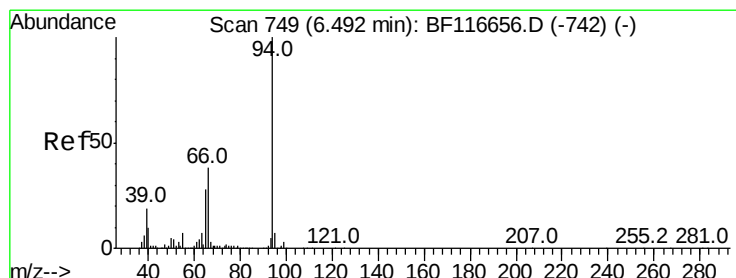
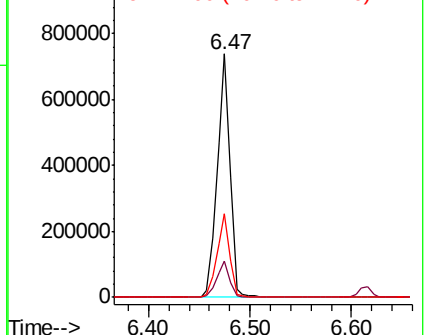
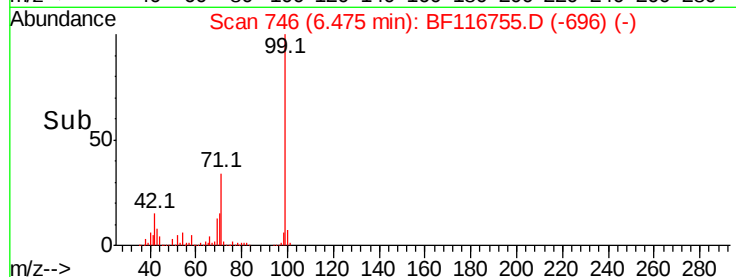
99 100

42 15.1 13.7 20.5

71 34.4 30.8 46.2



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: 2.752 ng

RT: 6.49 min Scan# 748

Delta R.T. -0.01 min

Lab File: BF116755.D

Acq: 1 Sep 2019 20:57

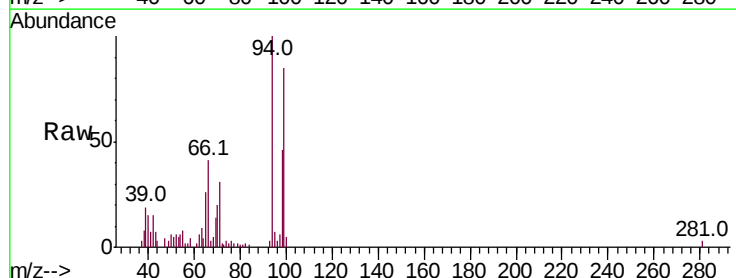
Tgt Ion: 94 Resp: 18663

Ion Ratio Lower Upper

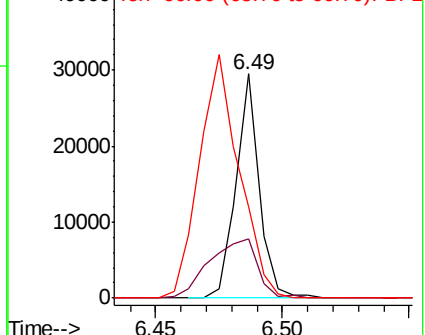
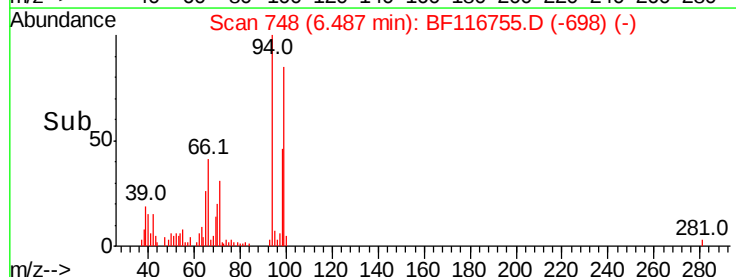
94 100

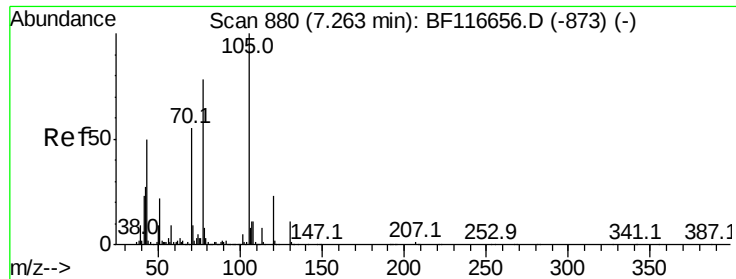
65 26.4 10.8 50.8

66 41.0 21.1 61.1



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

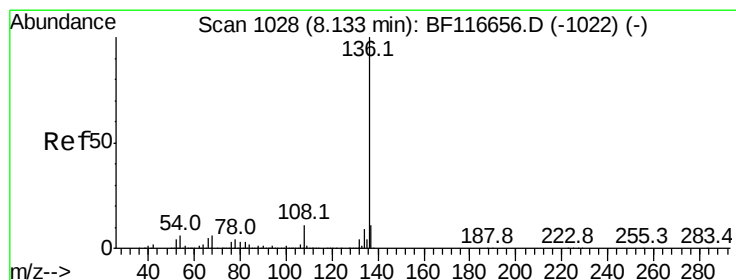
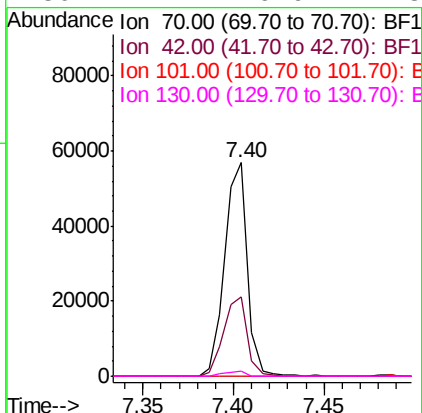
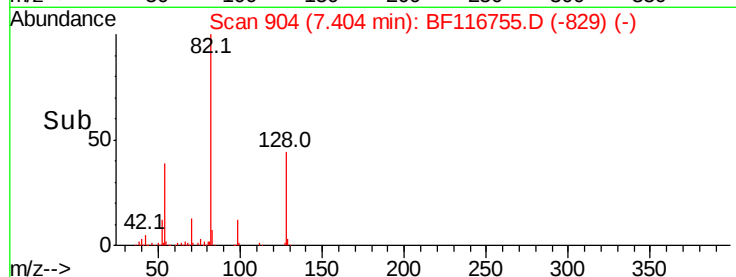
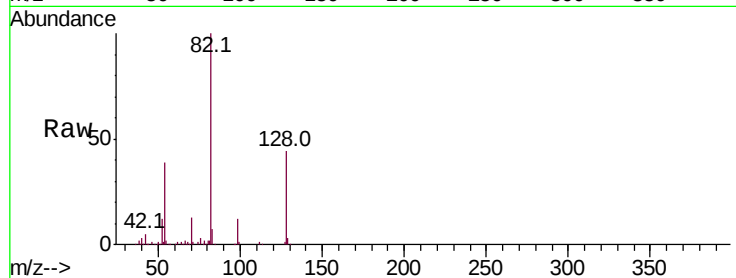




#19
n-Nitroso-di-n-propylamine
Concen: 12.322 ng
RT: 7.40 min Scan# 904
Delta R.T. 0.14 min
Lab File: BF116755.D
Acq: 1 Sep 2019 20:57

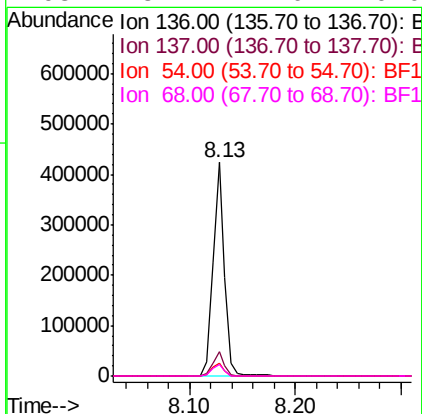
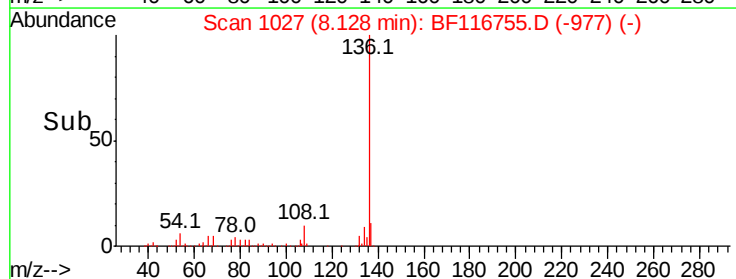
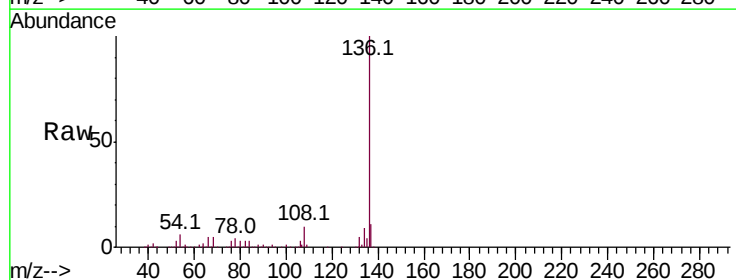
Instrument :
BNA_F
ClientSampleId :

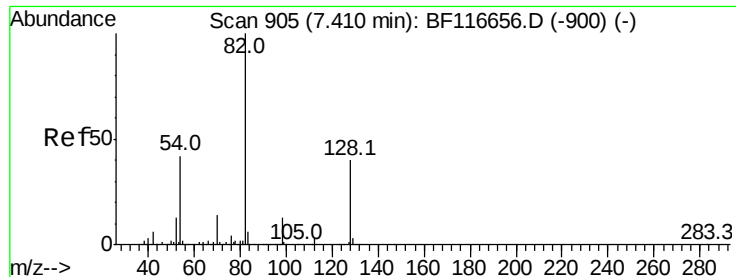
Tot Ion: 70 Resp: 49684
Ion Ratio Lower Upper
70 100
42 37.3 43.5 65.3#
101 0.0 7.8 11.6#
130 2.2 16.6 24.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.13 min Scan# 1027
Delta R.T. -0.01 min
Lab File: BF116755.D
Acq: 1 Sep 2019 20:57

Tgt Ion:136 Resp: 326565
Ion Ratio Lower Upper
136 100
137 11.3 8.9 13.3
54 5.8 4.8 7.2
68 5.2 4.0 6.0





#23

Nitrobenzene-d5

Concen: 66.223 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.01 min

Lab File: BF116755.D

Acq: 1 Sep 2019 20:57

Instrument :

BNA_F

ClientSampled :

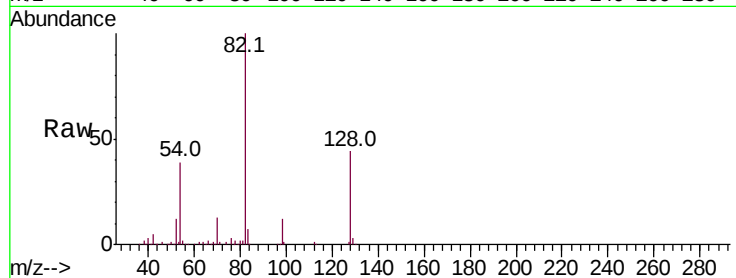
Tot Ion: 82 Resp: 378826

Ion Ratio Lower Upper

82 100

128 43.8 32.8 49.2

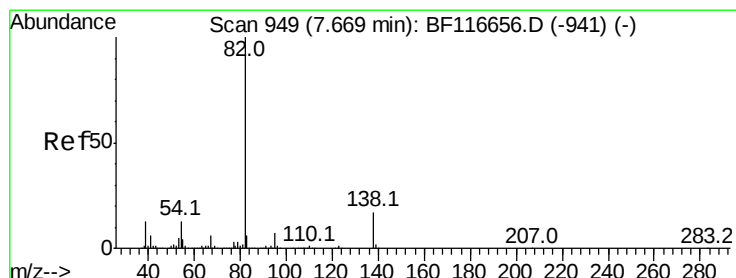
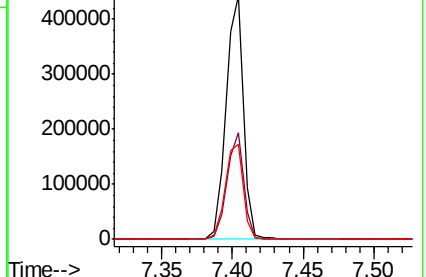
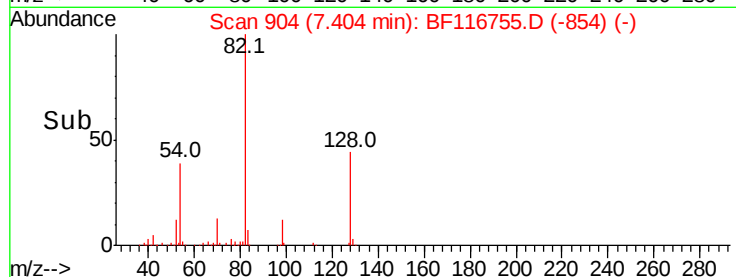
54 38.9 36.9 55.3



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): BF1

Ion 54.00 (53.70 to 54.70): BF1



#25

Isophorone

Concen: 32.681 ng

RT: 7.40 min Scan# 904

Delta R.T. -0.26 min

Lab File: BF116755.D

Acq: 1 Sep 2019 20:57

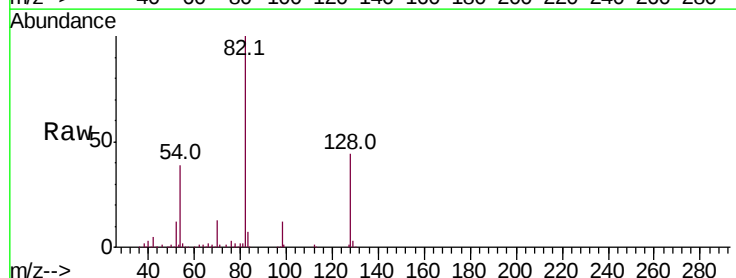
Tgt Ion: 82 Resp: 378823

Ion Ratio Lower Upper

82 100

95 0.0 5.8 8.6#

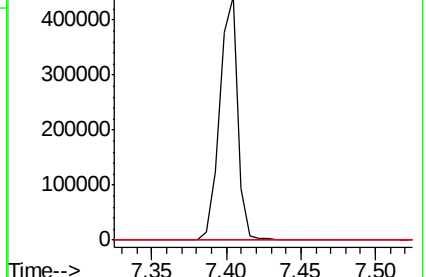
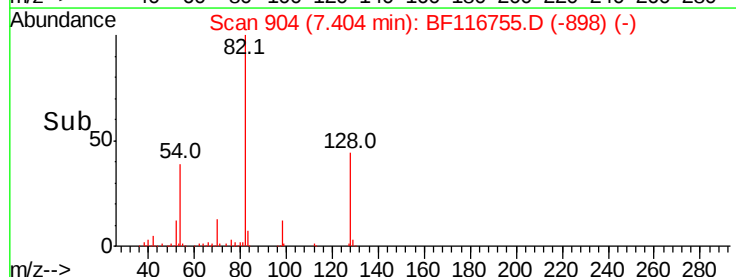
138 0.0 13.5 20.3#

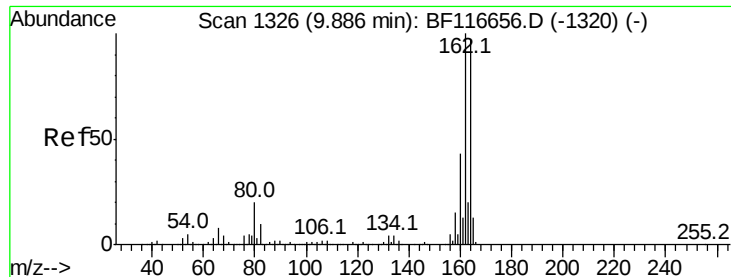


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1

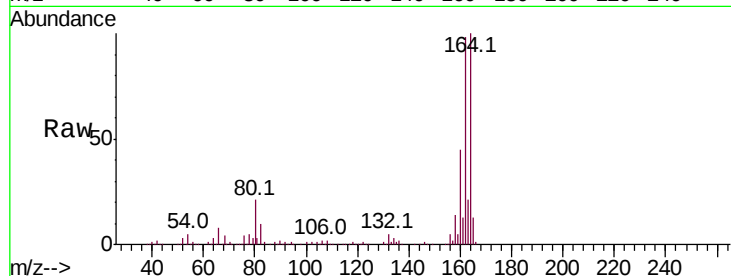




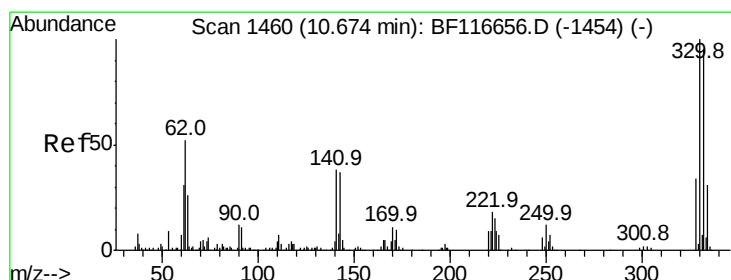
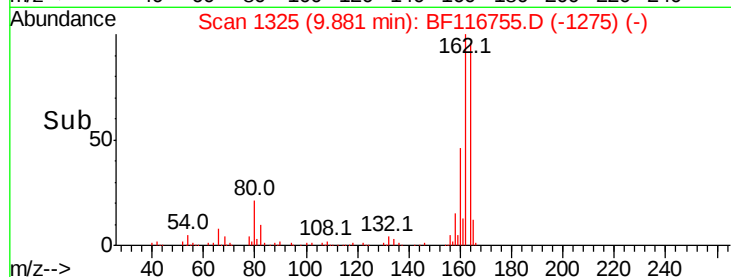
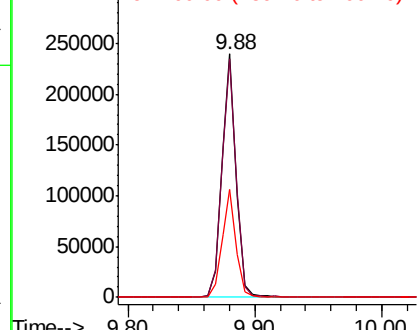
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF116755.D
Acq: 1 Sep 2019 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:164 Resp: 188715
Ion Ratio Lower Upper
164 100
162 97.8 81.4 122.0
160 44.6 35.4 53.2

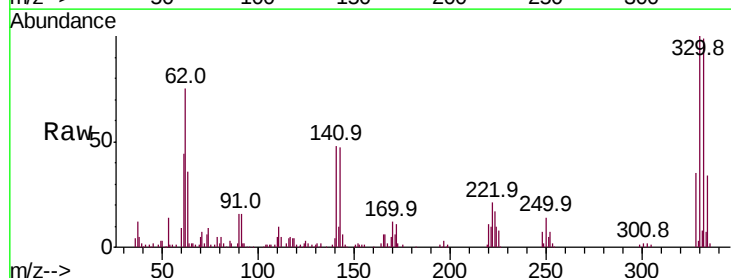


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

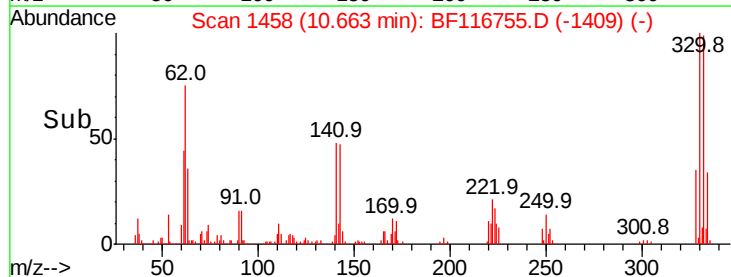
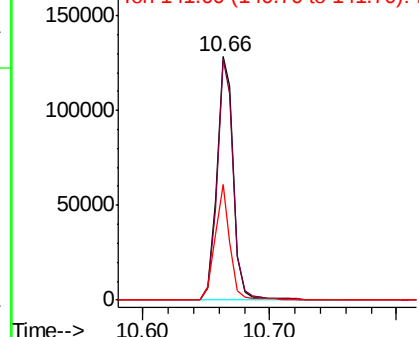


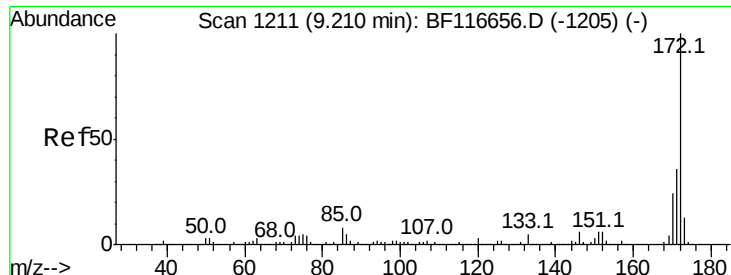
#42
2,4,6-Tribromophenol
Concen: 94.116 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.01 min
Lab File: BF116755.D
Acq: 1 Sep 2019 20:57

Tgt Ion:330 Resp: 118737
Ion Ratio Lower Upper
330 100
332 97.0 76.9 115.3
141 42.8 31.4 47.2



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

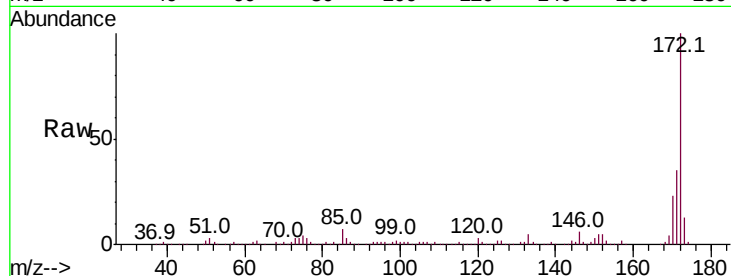




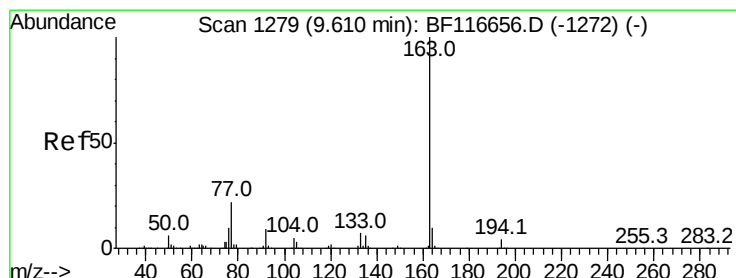
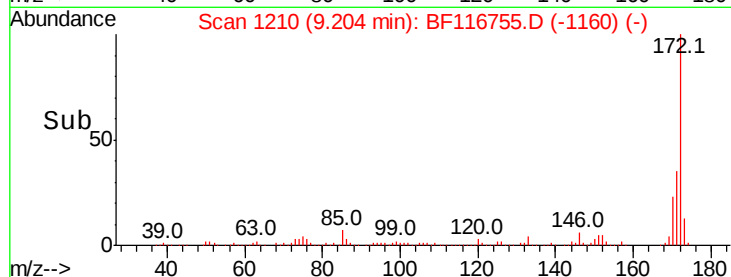
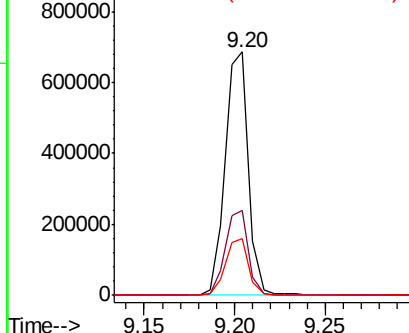
#45
2-Fluorobiphenyl
Concen: 54.816 ng
RT: 9.20 min Scan# 1210
Delta R.T. -0.00 min
Lab File: BF116755.D
Acq: 1 Sep 2019 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 613230
Ion Ratio Lower Upper
172 100
171 34.9 27.8 41.6
170 23.4 18.9 28.3

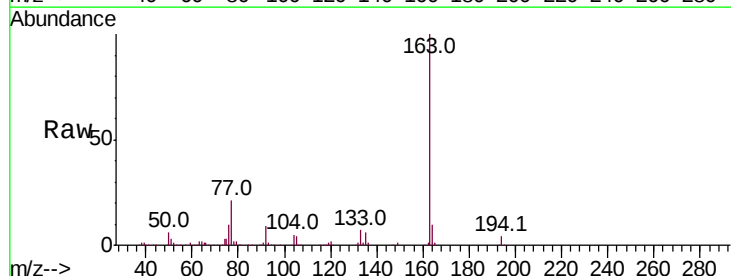


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

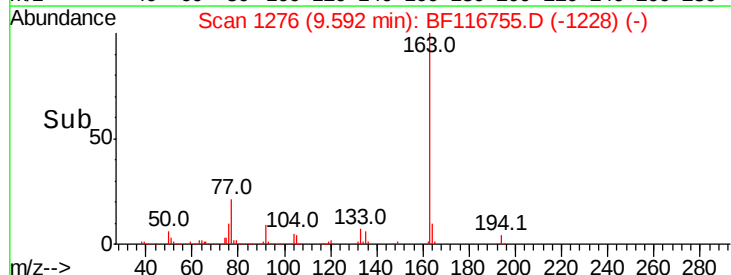
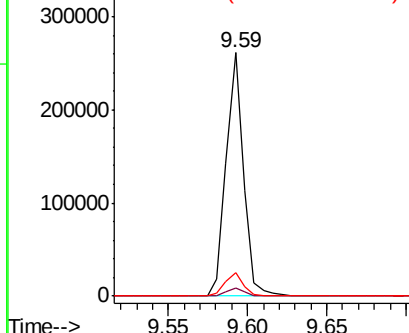


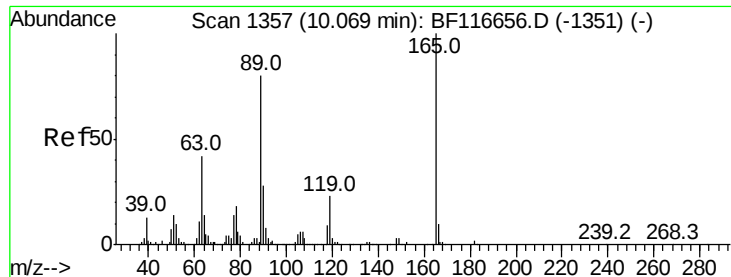
#50
Dimethylphthalate
Concen: 15.303 ng
RT: 9.59 min Scan# 1276
Delta R.T. -0.02 min
Lab File: BF116755.D
Acq: 1 Sep 2019 20:57

Tgt Ion:163 Resp: 199385
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 9.8 8.6 12.8



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: 7.904 ng

RT: 9.88 min Scan# 1325

Delta R.T. -0.19 min

Lab File: BF116755.D

Acq: 1 Sep 2019 20:57

Instrument :

BNA_F

ClientSampleId :

Tot Ion:165 Resp: 24023

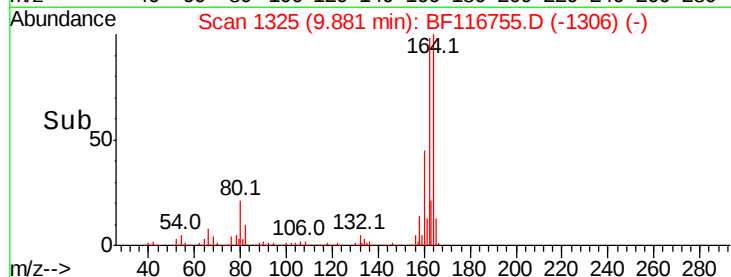
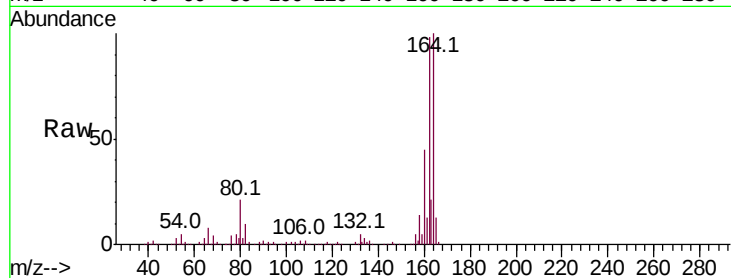
Ion Ratio Lower Upper

165 100

63 1.3 36.4 54.6#

89 2.3 62.6 94.0#

182 0.0 2.1 3.1#

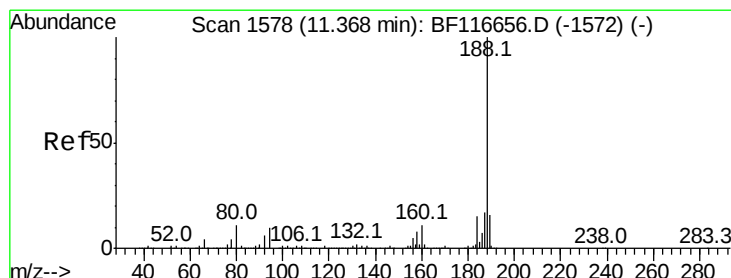
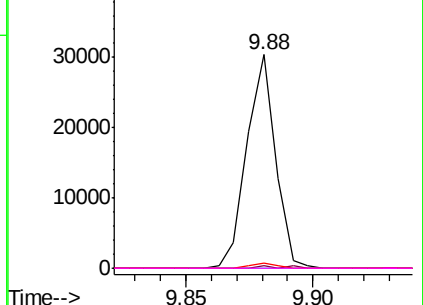


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF116755.D

Acq: 1 Sep 2019 20:57

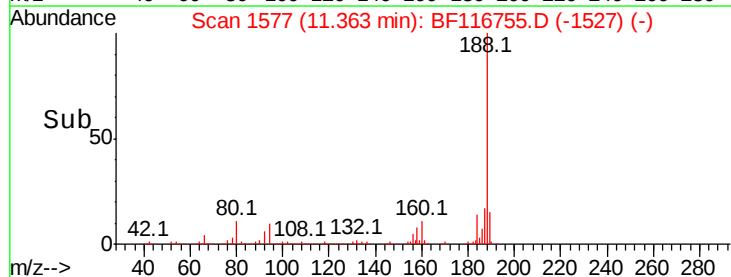
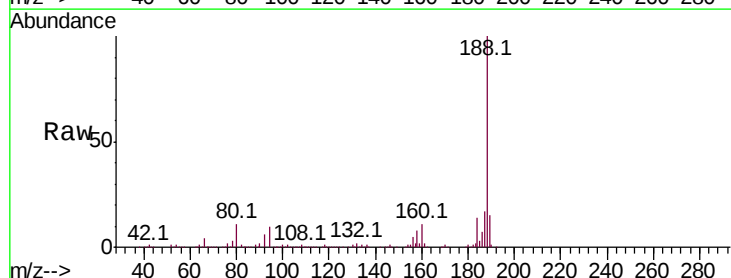
Tgt Ion:188 Resp: 335204

Ion Ratio Lower Upper

188 100

94 10.2 7.3 10.9

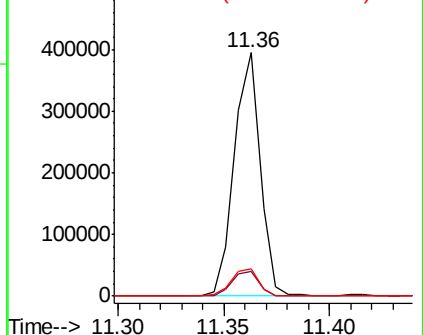
80 11.4 8.4 12.6

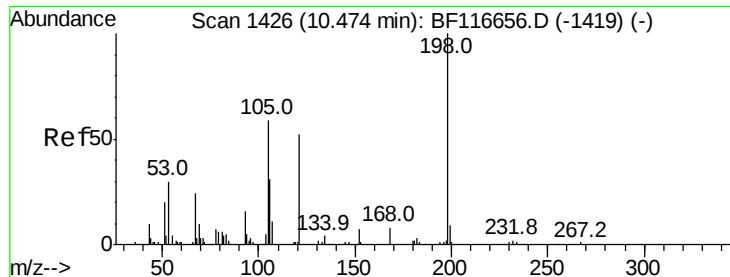


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

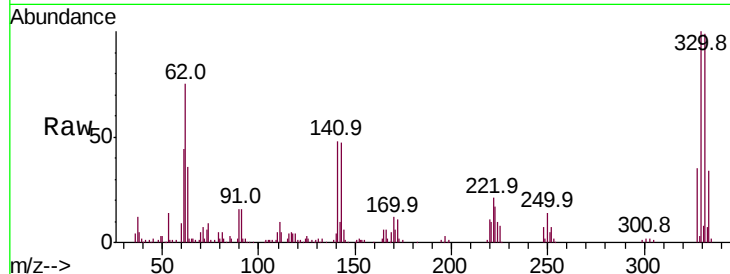




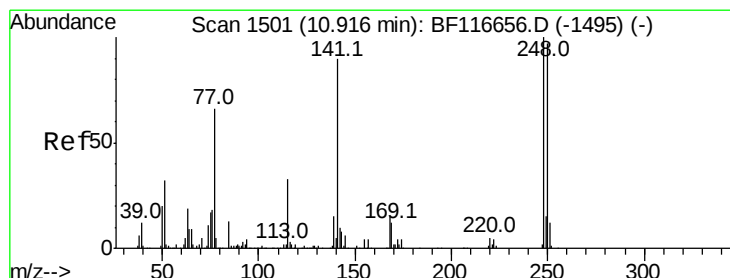
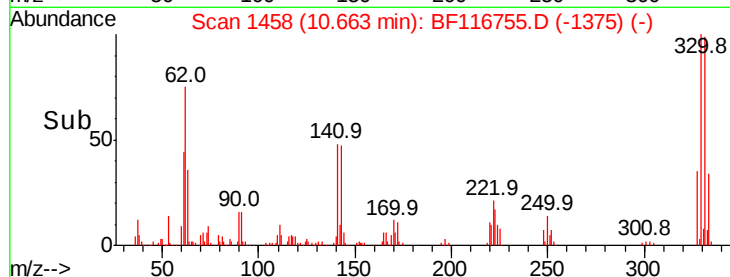
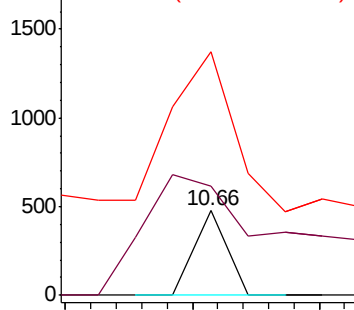
#65
4,6-Dinitro-2-methylphenol
Concen: 7.567 ng
RT: 10.66 min Scan# 1458
Delta R.T. 0.19 min
Lab File: BF116755.D
Acq: 1 Sep 2019 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion:198 Resp: 169
Ion Ratio Lower Upper
198 100
51 128.9 18.4 58.4#
105 287.0 22.9 62.9#

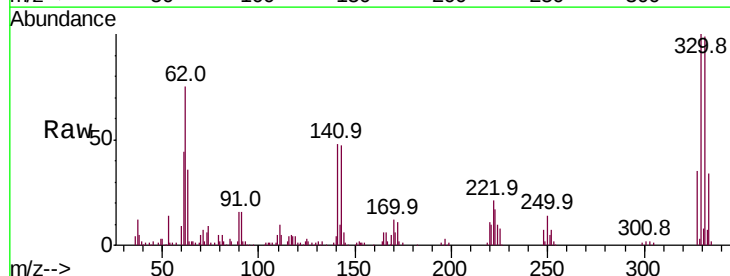


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

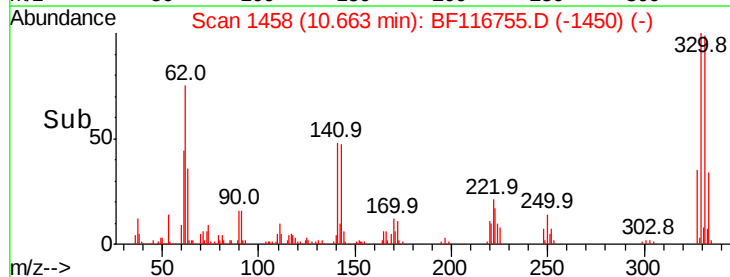
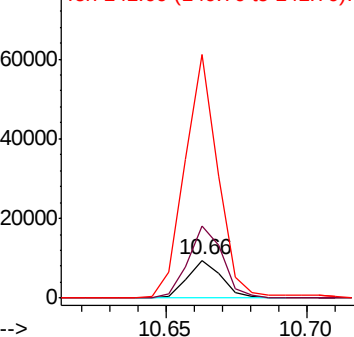


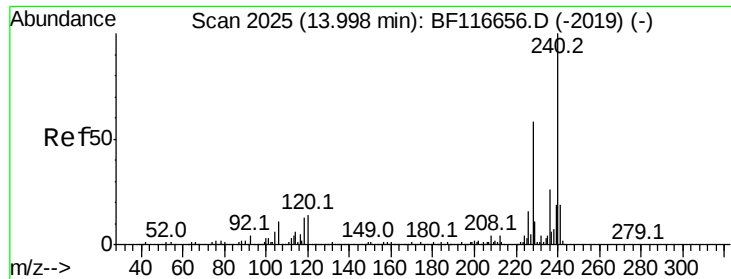
#67
4-Bromophenyl-phenylether
Concen: 2.353 ng
RT: 10.66 min Scan# 1458
Delta R.T. -0.25 min
Lab File: BF116755.D
Acq: 1 Sep 2019 20:57

Tgt Ion:248 Resp: 8011
Ion Ratio Lower Upper
248 100
250 189.2 77.8 116.8#
141 642.5 75.9 113.9#



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





#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF116755.D

Acq: 1 Sep 2019 20:57

Instrument :

BNA_F

ClientSampleId :

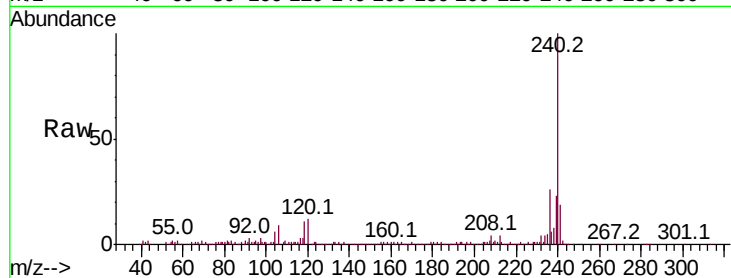
Tot Ion:240 Resp: 221897

Ion Ratio Lower Upper

240 100

120 12.5 9.1 13.7

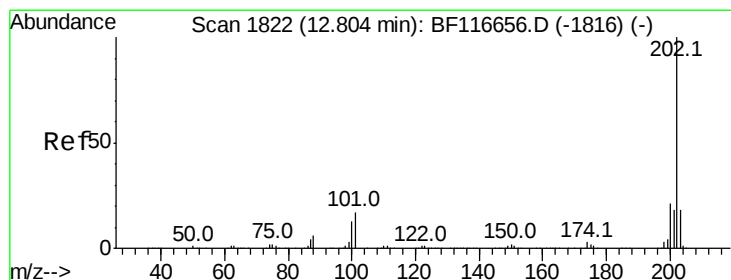
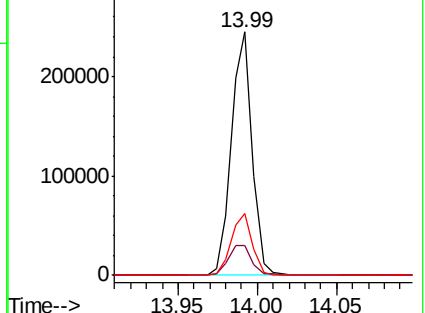
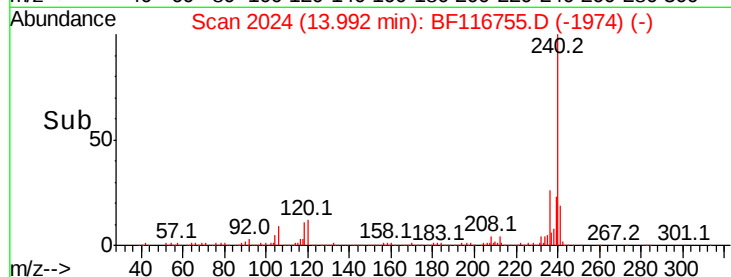
236 25.7 21.1 31.7



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: 2.005 ng

RT: 12.80 min Scan# 1821

Delta R.T. -0.01 min

Lab File: BF116755.D

Acq: 1 Sep 2019 20:57

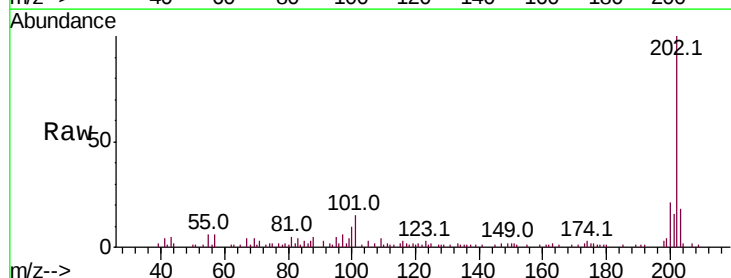
Tgt Ion:202 Resp: 39544

Ion Ratio Lower Upper

202 100

200 20.9 16.5 24.7

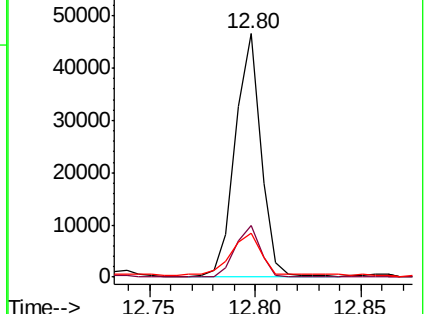
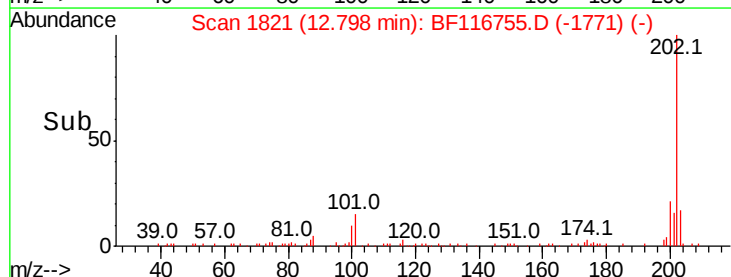
203 18.2 13.7 20.5

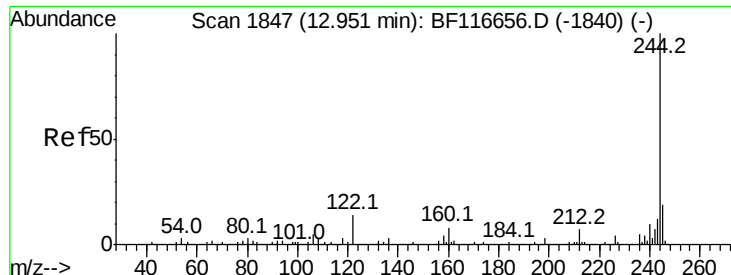


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 53.034 ng

RT: 12.94 min Scan# 1845

Delta R.T. -0.01 min

Lab File: BF116755.D

Acq: 1 Sep 2019 20:57

Instrument :

BNA_F

ClientSampled :

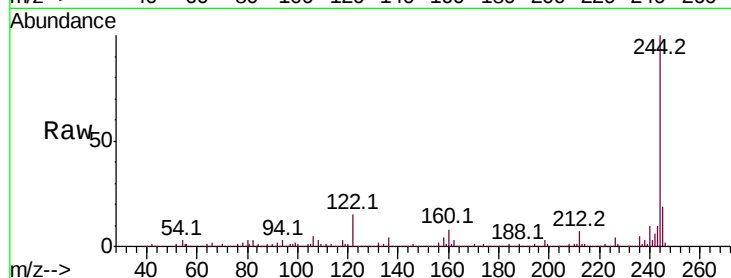
Tot Ion:244 Resp: 636132

Ion Ratio Lower Upper

244 100

212 6.9 6.1 9.1

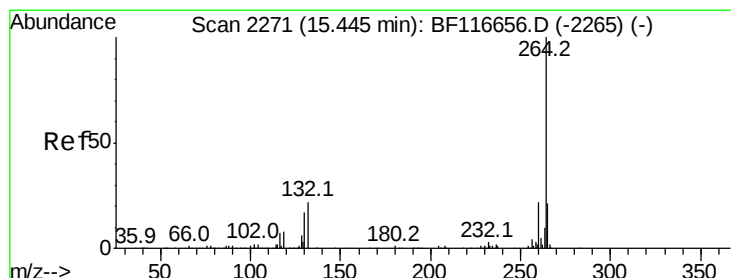
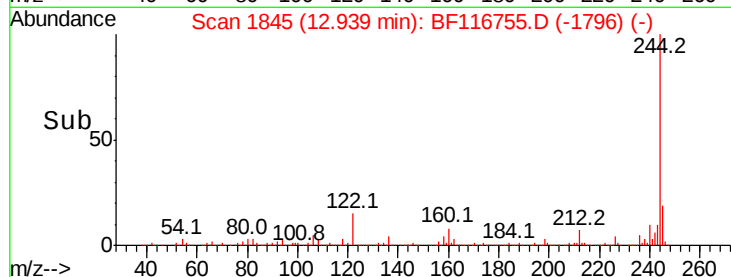
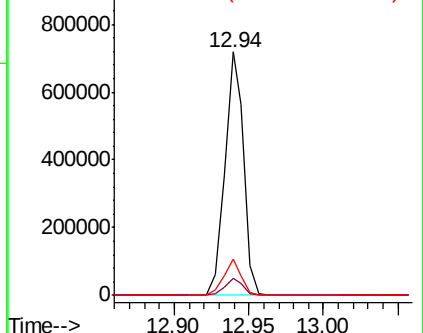
122 15.1 10.2 15.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.44 min Scan# 2271

Delta R.T. 0.00 min

Lab File: BF116755.D

Acq: 1 Sep 2019 20:57

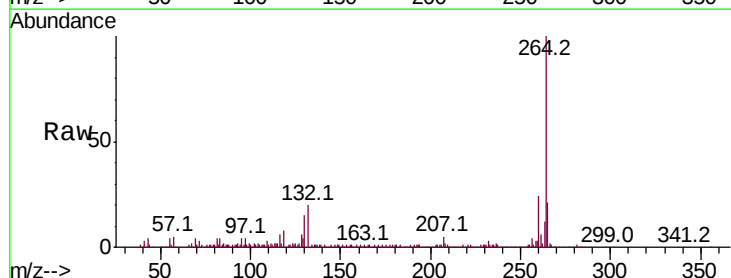
Tgt Ion:264 Resp: 217022

Ion Ratio Lower Upper

264 100

260 24.2 18.3 27.5

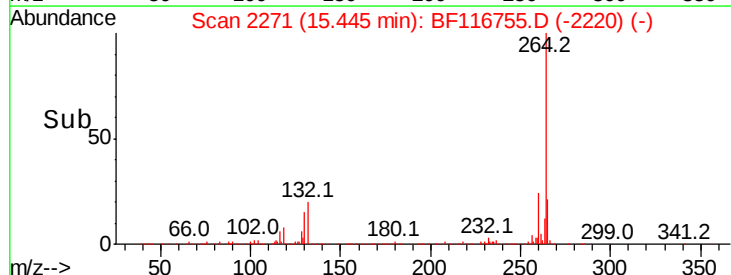
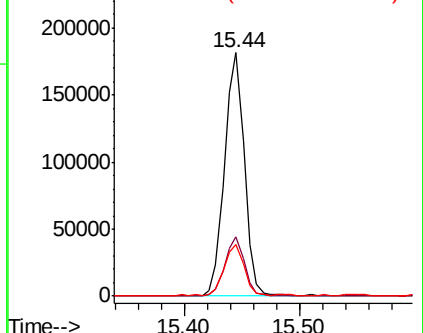
265 21.3 16.5 24.7

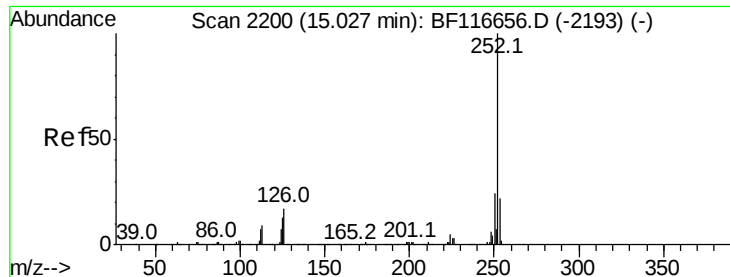


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

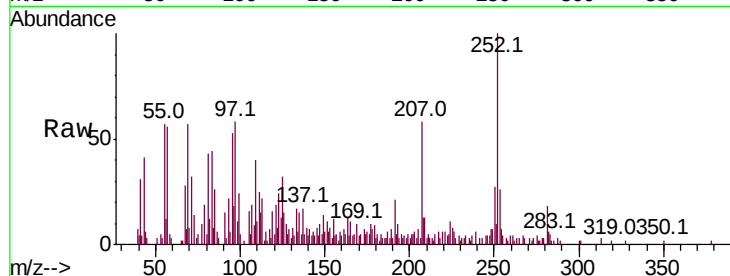




#88
Benzo(b)fluoranthene
Concen: 2.252 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.01 min
Lab File: BF116755.D
Acq: 1 Sep 2019 20:57

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.7	26.5
125	31.6	8.2	12.2

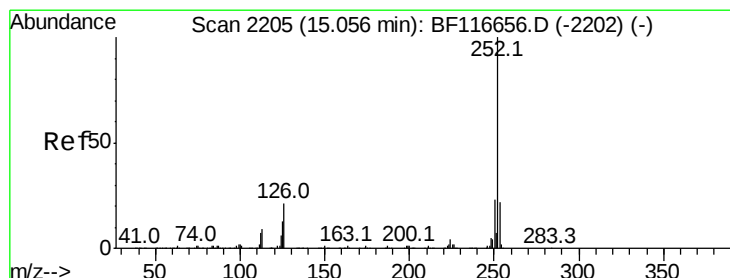
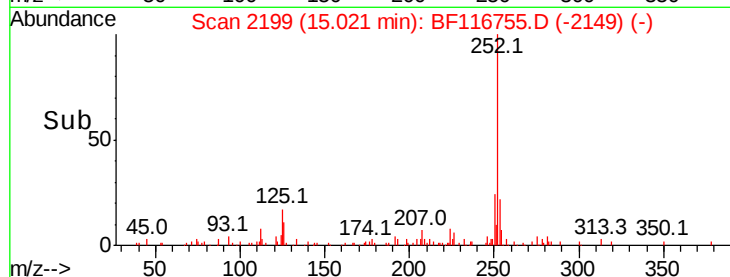
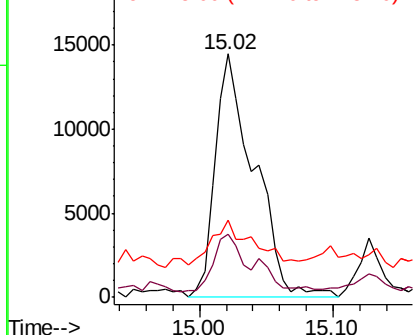


Abundance

Ion 252.00 (251.70 to 252.70): E

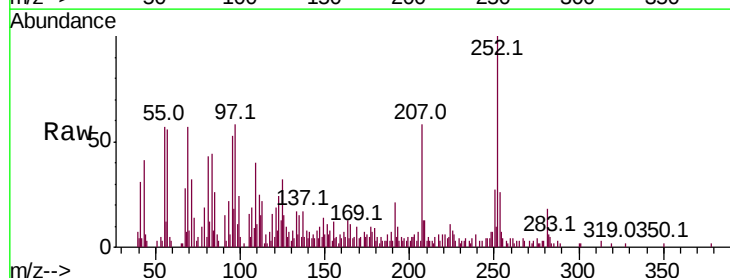
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#89
Benzo(k)fluoranthene
Concen: 2.470 ng
RT: 15.02 min Scan# 2199
Delta R.T. -0.04 min
Lab File: BF116755.D
Acq: 1 Sep 2019 20:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	26.1	17.7	26.5
125	31.6	8.6	13.0



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

